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A000000 Conjectured formulas of the OEIS by Simon Plouffe as of July 1 2018.  
A000000 Version 1.0 : August 1992, Current version : 2018 07 01  
A000000 There are 50162 unique sequence and more than 104578 expressions.

$$\text{Score} := \frac{\ln(\text{nbr\_of\_terms}) \times \text{length\_of\_sequence}}{\text{length\_of\_formula}}$$

A000000 If the score is high the reliability of the formula is good.  
A000000 A score near 1 is not good, a score of 20+ is excellent.  
A000000 Some formulas are in double for many reasons, the sign or the factorization of the expression makes a change in length. The intention of the author is to keep the list as clean as possible, with time it will be done...  
A000000 These formulas are suggested, most of them are the true ones, in some cases the formula found automatically are better than the original reference.  
A000000 Some formulas are false positives, in some rare cases, even false the formula found is sometimes as interesting as the original.  
A000000 Some formulas appear with the value I (complex), it is not an error most of the time. On the other hand, to correctly evaluate the series it is necessary to :  
A000000 develop in series (ordinary or exponential).  
A000000 collect the terms,  
A000000 evaluate in floating point,  
A000000 evaluate in absolute value.

OEIS #	Score	Formula	Type
A000004	13.1249	[{a(n+1), a(0) = 0}, ogf]	
A000007	12.0781	[{-a(n+1), a(0) = 1}, ogf]	
A000008	25.5586	[x^9+x^4+x+1 ogf_with_Euler_transform]	
A000008	5.84027	[ 1/(x^4-x^3+x^2-x+1)/(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x-1)^4 ogf]	
A000009	33.6616	[1/(-x^2+1) ogf_with_Euler_transform]	
A000012	15.8359	[{a(n+1)-a(n), a(0) = 1}, ogf]	
A000012	34.3110	[1/(-x+1) lgdogf]	
A000012	39.2126	[ -1/(x-1) ogf]	
A000023	17.0100	[-(1-2*x)/(-x+1) lgdegf]	
A000023	26.9652	(1-2*x)*f(x)+(1-x)*f(x)^2 lgdegf	
A000023	5.07762	[{(2*n+4)*a(n+1)+(n+1)*a(n+2)-a(n+3), a(0) = 1, a(1) = -1, a(2) = 2}, ogf]	
A000027	106.665	-2/(-1+x) lgdogf	
A000027	11.9190	[{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 2}, ogf]	
A000027	29.6169	[ 1/(x-1)^2 ogf]	
A000027	34.9056	[2/(-x+1) lgdogf]	
A000032	11.2277	[-(x^2+4*x+1)/(-x^3+x^2+3*x-2) lgdogf]	
A000032	15.9683	[ (x-2)/(x^2+x-1) ogf]	
A000032	24.2803	-(-1-4*x+x^2)/(x-2)/(x^2+x-1) lgdogf	
A000032	8.76309	[{-a(n+2)+a(n+1)+a(n), a(0) = 2, a(1) = 1}, ogf]	
A000034	14.9589	[-(2*x^2-2*x-2)/(-2*x^3-x^2+2*x+1) lgdogf]	

A000034 14.9589  $[ \{a(n+2)-a(n), a(0) = 1, a(1) = 2\}, \text{ogf}]$   
A000034 23.3505  $[ -(2*x+1)/(x-1)/(x+1) \text{ogf}]$   
A000034 27.6138  $1/2/(2+x)*(-1+(1+8*x+4*x^2)^{(1/2)}) \text{revogf}$   
A000034 28.4506  $-2*(1+x+x^2)/(-1+x)/(2*x+1)/(x+1) \text{lgdogf}$   
A000035 11.8196  $[ \{a(n+2)-a(n), a(0) = 0, a(1) = 1\}, \text{ogf}]$   
A000035 20.6843  $[ 2*x/(-x^2+1) \text{lgdogf}]$   
A000035 25.6770  $[ -x/(x-1)/(x+1) \text{ogf}]$   
A000035 37.4107  $1/2/x*(-1+(1+4*x^2)^{(1/2)}) \text{revogf}$   
A000035 57.1617  $[ [x] \text{ogf\_with\_Euler\_transform}]$   
A000035 57.2163  $-2*x/(-1+x)/(x+1) \text{lgdogf}$   
A000038 12.0781  $[ \{-a(n+1), a(0) = 2\}, \text{ogf}]$   
A000041 43.1807  $[ 1/(-x+1) \text{ogf\_with\_Euler\_transform}]$   
A000042 13.4232  $[ -(20*x-11)/(10*x^2-11*x+1) \text{lgdogf}]$   
A000042 13.9331  $-1/20*(-11*x-1+(81*x^2+22*x+1)^{(1/2)})/x \text{revogf}$   
A000042 19.9430  $[ 1/(10*x-1)/(x-1) \text{ogf}]$   
A000042 20.1255  $-(-11+20*x)/(10*x-1)/(-1+x) \text{lgdogf}$   
A000042 8.21182  $[ \{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 1, a(1) = 11\}, \text{ogf}]$   
A000044 10.0076  $[ -(-11*x^{10}-9*x^8-7*x^6-5*x^4-3*x^2-1)/(-x^{11}-x^9-x^7-x^5-x^3-x+1) \text{lgdogf}]$   
A000044 18.0439  $[ -1/(x^{11}+x^9+x^7+x^5+x^3+x-1) \text{ogf}]$   
A000044 18.3645  $- (1+3*x^2+5*x^4+7*x^6+9*x^8+11*x^{10})/(-1+x+x^3+x^5+x^7+x^9+x^{11}) \text{lgdogf}$   
A000045 10.1779  $[ \{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 1\}, \text{ogf}]$   
A000045 17.1753  $[ -(-2*x-1)/(-x^2-x+1) \text{lgdogf}]$   
A000045 22.2814  $[ -x/(x^2+x-1) \text{ogf}]$   
A000045 22.8972  $1/2/x*(-x-1+(5*x^2+2*x+1)^{(1/2)}) \text{revogf}$   
A000045 40.7062  $-(1+2*x)/(x^2-1+x) \text{lgdogf}$   
A000051 10.7704  $[ -(-6*x^2+8*x-3)/(-6*x^3+13*x^2-9*x+2) \text{lgdogf}]$   
A000051 12.0389  $1/2*\ln(2*x+3)-\text{arctanh}((2*x+4)^{(1/2)})-1/2*\ln(3)+\text{arctanh}(2) \text{revegf}$   
A000051 15.5573  $[ -(3*x-2)/(2*x-1)/(x-1) \text{ogf}]$   
A000051 18.5464  $-(3-8*x+6*x^2)/(-1+x)/(2*x-1)/(3*x-2) \text{lgdogf}$   
A000051 8.53755  $[ \{a(n+2)-3*a(n+1)+2*a(n), a(0) = 2, a(1) = 3\}, \text{ogf}]$   
A000064 24.6576  $[ x^9+x^4+x+2 \text{ogf\_with\_Euler\_transform}]$   
A000064 5.64014  $[ -1/(x^4-x^3+x^2-x+1)/(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x-1)^5 \text{ogf}]$   
A000064 7.56692  $-(2+4*x+2*x^2+4*x^3+7*x^4+4*x^5+2*x^6+4*x^7+2*x^8+19*x^9)/(-1+x)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) \text{lgdogf}$   
A000070 22.9097  $[ -(-2+x)/(-x+1) \text{ogf\_with\_Euler\_transform}]$   
A000071 13.9907  $[ -(3*x^2-2)/(x^3-2*x+1) \text{lgdogf}]$   
A000071 22.0460  $[ x^2/(x-1)/(x^2+x-1) \text{ogf}]$   
A000071 25.7230  $-(2+3*x^2)/(-1+x)/(x^2+x-1) \text{lgdogf}$   
A000071 7.90780  $[ \{a(n+3)-2*a(n+2)+a(n), a(0) = 0, a(1) = 0, a(2) = 1\}, \text{ogf}]$   
A000073 12.4474  $[ -(-3*x^2-2*x-1)/(-x^3-x^2-x+1) \text{lgdogf}]$   
A000073 17.7029  $[ -x^2/(x^3+x^2+x-1) \text{ogf}]$   
A000073 28.1913  $-(1+2*x+3*x^2)/(x^2-1+x+x^3) \text{lgdogf}$   
A000073 7.24211  $[ \{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 0, a(2) = 1\}, \text{ogf}]$   
A000078 10.0943  $[ -(-4*x^3-3*x^2-2*x-1)/(-x^4-x^3-x^2-x+1) \text{lgdogf}]$   
A000078 15.2367  $[ -x^3/(x^4+x^3+x^2+x-1) \text{ogf}]$   
A000078 21.1555  $-(1+2*x+4*x^3+3*x^2)/(x^2-1+x+x^4+x^3) \text{lgdogf}$   
A000079 15.1905  $[ \{a(n+1)-2*a(n), a(0) = 1\}, \text{ogf}]$   
A000079 28.2109  $[ 2/(-2*x+1) \text{lgdogf}]$   
A000079 37.6145  $[ -1/(2*x-1) \text{ogf}]$   
A000079 59.6769  $1/2*\ln(1+2*x) \text{revegf}$   
A000079 70.5272  $-2/(-1+2*x) \text{lgdogf}$   
A000085 188.269  $1+x] \text{lgdegf}$   
A000085 6.49497  $[ \{(-n-2)*a(n+1)+a(n+3)-a(n+2), a(0) = 1, a(1) = 1, a(2) = 2\}, \text{ogf}]$   
A000090 13.9288  $[ -(-x^3+x^2-1)/(-x+1) \text{lgdegf}]$   
A000090 16.5525  $a(n+4)-a(n+3), a(0)=1, a(1)=1, a(2)=0, a(3)=1 \text{lgdegf}$   
A000096 16.8824  $[ x*(x-2)/(x-1)^3 \text{ogf}]$   
A000096 20.0479  $[ -(-2*x+5)/(-x^2+3*x-2) \text{lgdogf}]$

A000096 43.1849  $-( -5+2*x)/(-1+x)/(x-2)$  lgdogf  
A000096 8.66936  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 5\},$   
ogf]  
A000097 18.8943  $[ -(-x^2+2)/(x-1)$  ogf\_with\_Euler\_transform]  
A000098 15.7823  $[ -(-x^3+2)/(x-1)$  ogf\_with\_Euler\_transform]  
A000100 13.2653  $[ x^3/(x^2+x-1)/(x^3+x^2+x-1)$  ogf]  
A000100 16.3595  $-(1+x)*(5*x^3+3*x^2-2)/(x^2+x-1)/(x^3+x^2+x-1)$  lgdogf  
A000100 7.87628  $[ -(-5*x^4-8*x^3-3*x^2+2*x+2)/(-x^5-2*x^4-x^3+x^2+2*x-1)$  lgdogf]  
A000102 10.5115  $[ x^4/(x^3+x^2+x-1)/(x^4+x^3+x^2+x-1)$  ogf]  
A000102 10.8252  $-( -2-2*x+15*x^4+8*x^3+7*x^6+12*x^5)/(x^3+x^2+x-1)/$   
 $(x^4+x^3+x^2+x-1)$  lgdogf  
A000108 102.638  $-x*(-1+x)$  revogf  
A000108 15.6246  $[ 2/(1-4*x)^(1/2)/(1+(1-4*x)^(1/2))$  lgdogf]  
A000108 27.9922  $2/(1-4*x)^(1/2)/(1+(1-4*x)^(1/2))$  lgdogf  
A000108 9.01422  $[ \{(-4*n-6)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 1\},$  ogf]  
A000110 143.369 exp(x) lgdegf  
A000110 43.6699  $[ exp(x)$  lgdegf]  
A000115 10.2837  $[ -(8*x^5+9*x^4+4*x^3+4*x^2+4*x+1)/(x^6+x^5-x-1)$  lgdogf]  
A000115 13.1154  $[ -1/(x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A000115 14.0985  $-(1+4*x+9*x^4+4*x^3+8*x^5+4*x^2)/(-1+x)/(1+x)/(x^4+x^3+x^2+x+1)$   
lgdogf  
A000115 31.0920  $[ [x^4+x+1]$  ogf\_with\_Euler\_transform]  
A000118 14.1217  $[ -(4*x^2-4*x+8)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A000122 9.06036  $[ -(x^2-x+2)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A000124 13.3428  $[ -(x^2-x+1)/(x-1)^3$  ogf]  
A000124 13.5652  $[ -(-x^2-2)/(-x^3+2*x^2-2*x+1)$  lgdogf]  
A000124 24.5456  $[ -x^5+x^2+x+2$  ogf\_with\_Euler\_transform]  
A000124 31.9211  $-(2+x^2)/(-1+x)/(x^2-x+1)$  lgdogf  
A000124 7.26704  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 4\},$   
ogf]  
A000125 11.4859  $[ (2*x^2-2*x+1)/(x-1)^4$  ogf]  
A000125 12.3832  $[ -(-4*x^2+2*x-2)/(-2*x^3+4*x^2-3*x+1)$  lgdogf]  
A000125 22.2061  $-2*(1-x+2*x^2)/(-1+x)/(2*x^2-2*x+1)$  lgdogf  
A000125 4.00267  $[ \{(n+4)*a(n+4)+(-11-3*n)*a(n+3)+(10+4*n)*a(n+2)+(-6-2*n)*a(n+1),$   
 $a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\},$  ogf]  
A000126 10.5948  $[ -(x^3-x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A000126 16.2887  $-( -2+2*x+x^4+x^5)/(-1+x)/(x^2+x-1)/(x^3-x+1)$  lgdogf  
A000126 4.06132  $[ \{(-n-3)*a(n+1)-a(n+2)+(2*n+5)*a(n+3)+(-n-2)*a(n+4), a(0) = 1,$   
 $a(1) = 2, a(2) = 4, a(3) = 8\},$  ogf]  
A000126 8.30725  $[ -(x^5+x^4+2*x-2)/(x^6-3*x^4+2*x^3+2*x^2-3*x+1)$  lgdogf]  
A000127 15.0059  $-(2-4*x+x^4+6*x^2)/(-1+x)/(x^4-2*x^3+4*x^2-3*x+1)$  lgdogf  
A000127 4.48869  $[ \{(2*n+4)*a(n+1)+(-3*n+2)*a(n+2)+(n-2)*a(n+3), a(0) = 1, a(1) =$   
 $2, a(2) = 4, a(3) = 8, a(4) = 16, a(5) = 31\},$  ogf]  
A000127 8.88288  $[ -(x^4-2*x^3+4*x^2-3*x+1)/(x-1)^5$  ogf]  
A000127 9.58948  $[ -(-x^4-6*x^2+4*x-2)/(-x^5+3*x^4-6*x^3+7*x^2-4*x+1)$  lgdogf]  
A000128 11.2392  $-( -2+4*x+5*x^4-4*x^3+2*x^5-2*x^2)/(-1+x)/(x^2+x-1)/(x^3+x^2-2*x$   
 $+1)$  lgdogf  
A000128 7.27041  $[ -(-2*x^5-5*x^4+4*x^3+2*x^2-4*x+2)/(-x^6-x^5+4*x^4-5*x^2+4*x-1)$   
lgdogf]  
A000128 8.89556  $[ (x^3+x^2-2*x+1)/(x^2+x-1)/(x-1)^3$  ogf]  
A000129 16.3901  $[ -(-2*x-2)/(-x^2-2*x+1)$  lgdogf]  
A000129 21.2628  $[ -x/(x^2+2*x-1)$  ogf]  
A000129 22.8331  $1/2/x*(-2*x-1+(8*x^2+4*x+1)^(1/2))$  revogf  
A000129 38.8163  $-2*(1+x)/(x^2-1+2*x)$  lgdogf  
A000129 9.71263  $[ \{-a(n+2)+2*a(n+1)+a(n), a(0) = 0, a(1) = 1\},$  ogf]  
A000132 13.1532  $[ -(5*x^2-5*x+10)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A000134 7.31382  $[ (x^9-x^8+x^7+3*x^6+3*x^5+3*x^4+3*x^3+3*x^2+4*x+2)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A000138 11.0657  $[ -(x^4-x^3+1)/(x-1)$  lgdegf]  
A000138 26.8208  $-1+x^3-x^4+(1-x)*f(x)$  lgdegf  
A000139 17.9787  $1/27+1/3*x-1/27*(-(-1+3*x)^3)^(1/2)$  revogf

A000139 5.13573 [  $\{(27n^2+81n+60)a(n+1)+(-4n^2-22n-30)a(n+2), a(0) = 2, a(1) = 1\}$ , ogf]  
A000141 12.1134 [  $-(6x^2-6x+12)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A000142 30.7017 [  $1/(-x+1)$  lgdegf]  
A000142 35.0876 [  $-1/(x-1)$  egf]  
A000142 8.37318 [  $\{(-n-2)a(n+1)+a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A000142 80.4776 [  $-1/(-1+x)$  lgdegf]  
A000142 80.4776 [  $1-\exp(-x)$  revogf]  
A000143 13.1203 [  $-(8x^2-8x+16)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A000144 10.6807 [  $-(10x^2-10x+20)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A000145 10.1816 [  $-(12x^2-12x+24)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A000152 9.99438 [  $-(16x^2-16x+32)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A000153 5.74110 [  $\{a(n)n+(n+2)a(n+1)-a(n+2), a(0) = 0, a(1) = 1\}$ , ogf]  
A000165 24.3938 [  $2/(-2x+1)$  lgdegf]  
A000165 32.5250 [  $-1/(2x-1)$  egf]  
A000165 61.0040 [  $-2/(-1+2x)$  lgdegf]  
A000165 7.76166 [  $\{(-2n-4)a(n+1)+a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A000166 24.8285 [  $-x/(x-1)$  lgdegf]  
A000166 48.0300 [  $-x+(1-x)f(x)$  lgdegf]  
A000166 5.97377 [  $\{(n+2)a(n+1)+(n+2)a(n+2)-a(n+3), a(0) = 1, a(1) = 0, a(2) = 1\}$ , ogf]  
A000168 17.6700 [  $1/32+9/16x-27/32x^2-1/32((x-1)(9x-1)^3)^{1/2}$  revogf]  
A000168 8.45481 [  $\{(-12n-18)a(n+1)+(n+4)a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A000168 8.96210 [  $-27/32x^2+9/16x+1/32-1/32(729x^4-972x^3+270x^2-28x+1)^{1/2}$  revogf]  
A000172 3.36768 [  $\{(8n^2+32n+32)a(n+1)+(7n^2+35n+44)a(n+2)+(-n^2-6n-9)a(n+3), a(0) = 1, a(1) = 2, a(2) = 10\}$ , ogf]  
A000180 14.9577 [  $-(-2-3x)/(-3x+1)$  lgdegf]  
A000180 30.8813 [  $-2-3x+(1-3x)f(x)$  lgdegf]  
A000180 4.43190 [  $\{(-3n-6)a(n+1)+(-3n-8)a(n+2)+a(n+3), a(0) = 1, a(1) = 2, a(2) = 13\}$ , ogf]  
A000184 15.1619 [  $(-1/2(24x-1)/(-1+4x)^{1/2}+1/2I)/(-1+4x)^{1/2}/x$  lgdogf]  
A000184 6.76581 [  $\{(-16n^2-136n-288)a(n+1)+(8n^2+62n+114)a(n+2)+(-n^2-7n-12)a(n+3), a(0) = 2, a(1) = 22, a(2) = 164\}$ , ogf]  
A000193 12.7668 [  $-x(x+1)(x^2-x+1)(x^{29}-x^{26}+x^{23}-x^{20}+x^{17}-x^{14}+x^{11}+1)/(x-1)$  ogf]  
A000193 6.72679 [  $(-1+2x^3-11x^{10}-3x^2-32x^{31}+31x^{32}+10x^{11})/(-1+x)/(1+x)/(x^2-x+1)/(x^{29}-x^{26}+x^{23}-x^{20}+x^{17}-x^{14}+x^{11}+1)$  lgdogf]  
A000194 19.4627 [  $-(-x^2-x-1)/(x^2+1)$  ogf\_with\_Euler\_transform]  
A000202 8.05191 [  $(x^8+x^7+2x^6+x^5+2x^4+2x^3+x^2+2x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A000204 10.0525 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A000204 12.8797 [  $-(-2x^2-2x-3)/(-2x^3-3x^2+x+1)$  lgdogf]  
A000204 18.3178 [  $-(2x+1)/(x^2+x-1)$  ogf]  
A000204 21.8823 [  $1/2(2+x)(-x-1+(5x^2+10x+1)^{1/2})$  revogf]  
A000204 25.3015 [  $-(3+2x+2x^2)/(2x+1)/(x^2+x-1)$  lgdogf]  
A000211 10.7714 [  $-(3-2x+x^4+10x^3-10x^2)/(-1+x)/(x^2+5x-4)/(x^2+x-1)$  lgdogf]  
A000211 11.4440 [  $-(x^2+5x-4)/(x-1)/(x^2+x-1)$  ogf]  
A000211 6.45249 [  $\{a(n+3)-2a(n+2)+a(n), a(0) = 4, a(1) = 3, a(2) = 5\}$ , ogf]  
A000212 10.6927 [  $-(4x^3+7x^2+4x+3)/(x^4+x^3-x-1)$  lgdogf]  
A000212 17.7185 [  $-(3+4x+4x^3+7x^2)/(-1+x)/(1+x)/(x^2+x+1)$  lgdogf]  
A000212 30.6506 [  $x^2-x+3$  ogf\_with\_Euler\_transform]  
A000212 9.99835 [  $-x^2(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A000213 10.5952 [  $-(x^4-4x^2-1)/(x^5+x^4-2x^2-x+1)$  lgdogf]  
A000213 14.1269 [  $(x-1)(x+1)/(x^3+x^2+x-1)$  ogf]  
A000213 18.8284 [  $-(-1+x^4-4x^2)/(-1+x)/(1+x)/(x^3+x^2+x-1)$  lgdogf]  
A000213 7.18960 [  $\{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
A000216 8.23810 [  $-(18x^8+42x^7+145x^6+89x^5+58x^4+37x^3+16x^2+4x+2)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A000217 20.3341 [  $-x/(x-1)^3$  ogf]

A000217 29.7749 [3/(-x+1) lgdogf]  
A000217 7.51078 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 3},  
ogf]  
A000217 91.3033 -3/(-1+x) lgdogf  
A000218 6.22524 [  
(45\*x^12+61\*x^11+61\*x^10-33\*x^9-142\*x^8-89\*x^7-58\*x^6-37\*x^5-61\*x^4-65\*x^3-81\*x^2-9\*x-3)/(x-1)/(x+1)/(x^2+1)/(x^4+1) ogf]  
A000219 28.6168 [-1/(-x^2+2\*x-1) ogf\_with\_Euler\_transform]  
A000221 6.85553 [  
(27\*x^11-8\*x^10+9\*x^9+x^8-20\*x^7-42\*x^6-145\*x^5-89\*x^4-85\*x^3-29\*x^2-25\*x-5)/(x-1)/(x+1)/(x^2+1)/(x^4+1) ogf]  
A000225 15.4429 [-(4\*x-3)/(2\*x^2-3\*x+1) lgdogf]  
A000225 22.1446 -1/4\*(-1-3\*x+(1+6\*x+x^2)^(1/2))/x revogf  
A000225 22.4624 [ x/(2\*x-1)/(x-1) ogf]  
A000225 30.4488 -(-3+4\*x)/(2\*x-1)/(-1+x) lgdogf  
A000225 9.15136 [{a(n+2)-3\*a(n+1)+2\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A000240 10.2277 [-(x^3-2\*x^2+3\*x)/(x^3-2\*x^2+2\*x-1) lgdegf]  
A000240 22.1358 -x\*(3+x^2-2\*x)/(-1+x)/(x^2-x+1) lgdegf  
A000240 4.18966 [{(n^2+7\*n+12)\*a(n+1)+(n^2+6\*n+8)\*a(n+2)+(-n-3)\*a(n+3), a(0) = 1, a(1) = 0, a(2) = 3}, ogf]  
A000241 5.21248 [-x^2+3\*x+3 ogf\_with\_Euler\_transform]  
A000244 14.4182 [{a(n+1)-3\*a(n), a(0) = 1}, ogf]  
A000244 26.7766 [3/(-3\*x+1) lgdogf]  
A000244 35.7021 [ -1/(3\*x-1) ogf]  
A000244 56.6474 1/3\*ln(1+3\*x) revegf  
A000244 66.9469 -3/(-1+3\*x) lgdogf  
A000245 12.8845 [6/(1-4\*x)^(1/2)/(1+(1-4\*x)^(1/2)) lgdogf]  
A000245 23.1234 6/(1-4\*x)^(1/2)/(1+(1-4\*x)^(1/2)) lgdogf  
A000245 33.1771 8\*x/(1+(1+4\*x)^(1/2))^3 revogf  
A000245 6.38901 [{(4\*n^2+14\*n+12)\*a(n+1)+(-n^2-5\*n-4)\*a(n+2), a(0) = 0, a(1) = 1}, ogf]  
A000246 24.9719 [1/(-x^2+1) lgdegf]  
A000246 35.9253 -1/(-1+x)/(1+x) lgdegf  
A000246 6.85504 [{(n^2+n)\*a(n)-a(n+2)+a(n+1), a(0) = 1, a(1) = 1}, ogf]  
A000247 11.7550 [ x\*(2\*x-3)/(2\*x-1)/(x-1)^2 ogf]  
A000247 16.4958 -2\*(5-10\*x+4\*x^2)/(-1+x)/(2\*x-1)/(2\*x-3) lgdogf  
A000247 5.98246 [{a(n+3)-4\*a(n+2)+5\*a(n+1)-2\*a(n), a(0) = 0, a(1) = 3, a(2) = 10}, ogf]  
A000247 9.85347 [-(-8\*x^2+20\*x-10)/(-4\*x^3+12\*x^2-11\*x+3) lgdogf]  
A000248 10.3973 (n+3)\*a(n+3)+n\*a(n+2)-a(n+1), a(0)=1, a(1)=2, a(2)=3/2 lgdegf  
A000248 15.9625 [exp(x)\*x+exp(x) lgdegf]  
A000253 15.2068 [ x/(2\*x-1)/(x^3-x^2+2\*x-1) ogf]  
A000253 15.9725 -(-4+10\*x+8\*x^3-9\*x^2)/(2\*x-1)/(x^3-x^2+2\*x-1) lgdogf  
A000253 9.19919 [- (8\*x^3-9\*x^2+10\*x-4)/(2\*x^4-3\*x^3+5\*x^2-4\*x+1) lgdogf]  
A000254 4.91059 [{(n^2+4\*n+4)\*a(n+1)+(-2\*n-5)\*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 3}, ogf]  
A000255 13.7804 [-(-1-x)/(-x+1) lgdegf]  
A000255 35.9488 -1-x+(1-x)\*f(x) lgdegf  
A000255 4.11354 [{(-n-2)\*a(n+1)+(-n-3)\*a(n+2)+a(n+3), a(0) = 1, a(1) = 1, a(2) = 3}, ogf]  
A000257 4.65430 [{(8\*n^2+4\*n)\*a(n)+(-17\*n^2-59\*n-48)\*a(n+1)+(2\*n^2+12\*n+16)\*a(n+2), a(0) = 1, a(1) = 1}, ogf]  
A000259 6.90504 [1/2\*(5\*x^2+4\*x+1)\*(5\*x^2+2\*x+1)^(1/2)/x^3-1/2\*(11\*x^3+11\*x^2+5\*x+1)/x^3 revogf]  
A000260 14.6456 1/32+5/8\*x-1/4\*x^2-1/32\*(-(8\*x-1)^3)^(1/2) revogf  
A000260 4.07455 [{(-256\*n^3-1408\*n^2-2544\*n-1512)\*a(n+1)+(27\*n^3+216\*n^2+573\*n+504)\*a(n+2), a(0) = 1, a(1) = 1}, ogf]  
A000260 7.21243 [-1/4\*x^2+5/8\*x+1/32-1/32\*(-512\*x^3+192\*x^2-24\*x+1)^(1/2) revogf]  
A000261 6.80029 [-a(n)\*n+(-n-3)\*a(n+1)+a(n+2), a(0) = 0, a(1) = 1}, ogf]  
A000262 15.7276 1+(2\*x-x^2)\*f(x)+(-1+2\*x-x^2)\*f(x)^2 lgdegf

A000262 20.4352  $[-1/(-x^2+2*x-1) \text{ lgdegf}]$   
A000262 6.23447  $[\{(n^2+n)*a(n)+(-2*n-3)*a(n+1)+a(n+2), a(0) = 1, a(1) = 1\}, \text{ ogf}]$   
A000266 15.0895  $[-(x^2-x+1)/(x-1) \text{ lgdegf}]$   
A000266 3.85265  $[\{(-n^2-5*n-6)*a(n+1)+(n+3)*a(n+2)+(-n-4)*a(n+3)+a(n+4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3\}, \text{ ogf}]$   
A000266 37.4609  $-1+x-x^2+(1-x)*f(x) \text{ lgdegf}$   
A000271 3.68254  $[\{a(n+1)+(n+3)*a(n+2)+(n+3)*a(n+3)-a(n+4), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1\}, \text{ ogf}]$   
A000274 10.4384  $-(6+12*x-3*x^4+9*x^3+x^5-x^2)/(-1+x)/(x^4-2*x^3+5*x^2+2) \text{ lgdegf}$   
A000274 14.7659  $[-(-1-x)/(-x+1) \text{ lgdegf}]$   
A000274 3.60145  $[\{(n^2+5*n+6)*a(n+1)+(n^2+4*n+3)*a(n+2)+(-1-n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}, \text{ ogf}]$   
A000285 11.2766  $[\{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 4\}, \text{ ogf}]$   
A000285 14.4481  $[-(-3*x^2-2*x-4)/(-3*x^3-4*x^2+2*x+1) \text{ lgdogf}]$   
A000285 15.9705  $1/2/(3+x)*(-x-1+(5*x^2+14*x+1)^(1/2)) \text{ revogf}$   
A000285 18.4659  $-(4+2*x+3*x^2)/(3*x+1)/(x^2+x-1) \text{ lgdogf}$   
A000285 20.5484  $[-(3*x+1)/(x^2+x-1) \text{ ogf}]$   
A000288 10.0329  $[(2*x^3+x^2-1)/(x^4+x^3+x^2+x-1) \text{ ogf}]$   
A000288 11.0489  $-(-1-x^4-8*x^3+2*x^6+2*x^5+2*x^2)/(2*x^3+x^2-1)/(x^4+x^3+x^2+x-1) \text{ lgdogf}$   
A000290 14.5547  $[-(x+1)*x/(x-1)^3 \text{ ogf}]$   
A000290 18.8549  $[-(2*x+4)/(x^2-1) \text{ lgdogf}]$   
A000290 38.9438  $-2*(x+2)/(-1+x)/(1+x) \text{ lgdogf}$   
A000290 39.3065  $[[4-x] \text{ ogf\_with\_Euler\_transform}]$   
A000290 7.47402  $[\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 4\}, \text{ ogf}]$   
A000292 15.8481  $[x/(x-1)^4 \text{ ogf}]$   
A000292 27.7342  $[4/(-x+1) \text{ lgdogf}]$   
A000292 7.53941  $[\{(n+1)*a(n+2)+(-4-n)*a(n+1), a(0) = 0, a(1) = 1\}, \text{ ogf}]$   
A000292 85.0154  $-4/(-1+x) \text{ lgdogf}$   
A000294 32.1032  $[1/(-x^3+3*x^2-3*x+1) \text{ ogf\_with\_Euler\_transform}]$   
A000295 16.3094  $[-(6*x-4)/(2*x^2-3*x+1) \text{ lgdogf}]$   
A000295 19.0940  $[-x^2/(2*x-1)/(x-1)^2 \text{ ogf}]$   
A000295 29.8384  $-2*(-2+3*x)/(2*x-1)/(-1+x) \text{ lgdogf}$   
A000295 7.11684  $[\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}, \text{ ogf}]$   
A000296 17.1054  $-a(n)+(n+1)*a(n+1), a(0)=0, a(1)=1 \text{ lgdegf}$   
A000296 28.6032  $[-1+\exp(x) \text{ lgdegf}]$   
A000297 11.0028  $[x*(x-2)^2/(x-1)^4 \text{ ogf}]$   
A000297 16.7334  $[-(-2*x+6)/(-x^2+3*x-2) \text{ lgdogf}]$   
A000297 35.9902  $-2*(-3+x)/(-1+x)/(x-2) \text{ lgdogf}$   
A000297 5.35470  $[\{(-4-2*n)*a(n+3)+(9+3*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 12\}, \text{ ogf}]$   
A000302 13.8040  $[\{a(n+1)-4*a(n), a(0) = 1\}, \text{ ogf}]$   
A000302 25.6361  $[4/(-4*x+1) \text{ lgdogf}]$   
A000302 34.1814  $[-1/(4*x-1) \text{ ogf}]$   
A000302 54.2257  $1/4*\ln(1+4*x) \text{ revegf}$   
A000302 64.0850  $-4/(-1+4*x) \text{ lgdogf}$   
A000305 9.38727  $1/2/(x+1)^2*(-11*x^2-15*x-4+((x+1)*(5*x+1)*(4+5*x)^2)^(1/2)) \text{ revogf}$   
A000309 16.4337  $1/54+2/3*x-1/54*(-(12*x-1)^3)^(1/2) \text{ revogf}$   
A000309 4.69730  $[\{(27*n^2+81*n+60)*a(n+1)+(-2*n^2-11*n-15)*a(n+2), a(0) = 1, a(1) = 1\}, \text{ ogf}]$   
A000311 19.6595  $[2*x+1-\exp(x) \text{ revegf}]$   
A000311 51.6763  $1+2*x-\exp(x) \text{ revegf}$   
A000312 8.76435  $[(\ln(x-1)-I*Pi)*(x-1) \text{ revegf}]$   
A000313 18.0291  $[-(-1-x)/(-x+1) \text{ lgdegf}]$   
A000313 4.42431  $[\{(n^2+5*n+6)*a(n+1)+(n^2+3*n)*a(n+2)-n*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}, \text{ ogf}]$   
A000313 7.97808  $-(24+60*x+x^7-52*x^4+77*x^3-8*x^6+30*x^5-12*x^2)/(-1+x)/(x^6-6*x^5+18*x^4-22*x^3+27*x^2+6) \text{ lgdegf}$

A000321 111.588 -1-2\*x] lgdegf  
A000321 6.39616 [{(2\*n+4)\*a(n+1)+a(n+3)+a(n+2), a(0) = 1, a(1) = -1, a(2) = -1},  
ogf]  
A000322 7.90078 -(-1+4\*x^7-15\*x^4+4\*x^3+3\*x^8+2\*x^6-4\*x^5+2\*x^2)/  
(3\*x^4+2\*x^3+x^2-1)/(x^5+x^4+x^3+x^2+x-1) lgdogf  
A000322 8.14934 [(3\*x^4+2\*x^3+x^2-1)/(x^5+x^4+x^3+x^2+x-1) ogf]  
A000325 11.4767 [- (3\*x^2-3\*x+1)/(2\*x-1)/(x-1)^2 ogf]  
A000325 13.7243 -(-1+3\*x+6\*x^3-6\*x^2)/(-1+x)/(2\*x-1)/(3\*x^2-3\*x+1) lgdogf  
A000325 6.25071 [-a(n+3)+4\*a(n+2)-5\*a(n+1)+2\*a(n), a(0) = 1, a(1) = 1, a(2) =  
2}, ogf]  
A000325 8.53755 [-(-6\*x^3+6\*x^2-3\*x+1)/(-6\*x^4+15\*x^3-14\*x^2+6\*x-1) lgdogf]  
A000326 13.4418 [-x\*(2\*x+1)/(x-1)^3 ogf]  
A000326 15.9621 [-(-4\*x-5)/(-2\*x^2+x+1) lgdogf]  
A000326 32.8100 -(5+4\*x)/(2\*x+1)/(-1+x) lgdogf  
A000326 6.90252 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 5},  
ogf]  
A000330 12.7084 [(x+1)\*x/(x-1)^4 ogf]  
A000330 18.7738 [- (3\*x+5)/(x^2-1) lgdogf]  
A000330 38.7917 - (3\*x+5)/(-1+x)/(1+x) lgdogf  
A000330 39.1033 [[5-x] ogf\_with\_Euler\_transform]  
A000330 6.21086 [{(n+2)\*a(n+3)-5\*a(n+2)+(-3-n)\*a(n+1), a(0) = 0, a(1) = 1, a(2)  
= 5}, ogf]  
A000332 13.6616 [-x^4/(x-1)^5 ogf]  
A000332 28.7869 [5/(-x+1) lgdogf]  
A000332 5.92671 [{(-2+n)\*a(n+2)+(-2-n)\*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0,  
a(3) = 0, a(4) = 1}, ogf]  
A000332 89.5592 -5/(-1+x) lgdogf  
A000337 13.6095 [- (6\*x-5)/(2\*x^2-3\*x+1) lgdogf]  
A000337 14.5168 [-x/(x-1)/(2\*x-1)^2 ogf]  
A000337 26.7981 -(-5+6\*x)/(2\*x-1)/(-1+x) lgdogf  
A000337 5.88519 [{a(n+3)-5\*a(n+2)+8\*a(n+1)-4\*a(n), a(0) = 0, a(1) = 1, a(2) =  
5}, ogf]  
A000338 13.9039 [(2\*x-5)\*(x^2+x+1)/(x-1)^3 ogf]  
A000338 14.5359 [-(-3\*x^2+12\*x+18)/(-2\*x^4+5\*x^3+2\*x-5) lgdogf]  
A000338 23.5910 -3\*(-6-4\*x+x^2)/(2\*x-5)/(-1+x)/(x^2+x+1) lgdogf  
A000338 7.10642 [{a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 5, a(1) = 18, a(2) =  
42, a(3) = 75}, ogf]  
A000340 12.8755 [- (9\*x-5)/(3\*x^2-4\*x+1) lgdogf]  
A000340 16.7034 [-1/(3\*x-1)/(x-1)^2 ogf]  
A000340 25.2146 -(-5+9\*x)/(3\*x-1)/(-1+x) lgdogf  
A000340 5.46925 [{a(n+3)-5\*a(n+2)+7\*a(n+1)-3\*a(n), a(0) = 1, a(1) = 5, a(2) =  
18}, ogf]  
A000344 12.3380 [10/(1-4\*x)^(1/2)/(1+(1-4\*x)^(1/2)) lgdogf]  
A000344 21.7526 -25+(5-20\*x)\*f(x)+(x-4\*x^2)\*f(x)^2 lgdogf  
A000344 6.11887 [{(-4\*n^2-30\*n-56)\*a(n+1)+(n^2+9\*n+14)\*a(n+2), a(0) = 1, a(1) =  
5}, ogf]  
A000346 11.7674 2\*x\*(8\*x+1+3\*(1+8\*x)^(1/2))/(1+8\*x)^(1/2)/(1+(1+8\*x)^(1/2))^3  
revogf  
A000346 4.74471 [{(-16\*n-40)\*a(n+1)+(8\*n+26)\*a(n+2)+(-n-4)\*a(n+3), a(0) = 1,  
a(1) = 5, a(2) = 22}, ogf]  
A000346 7.61131 [2\*x\*(8\*x+3\*(1+8\*x)^(1/2)+1)/(1+8\*x)^(1/2)/(1+(1+8\*x)^(1/2))^3  
revogf]  
A000351 14.1790 [{a(n+1)-5\*a(n), a(0) = 1}, ogf]  
A000351 26.3324 [5/(-5\*x+1) lgdogf]  
A000351 35.1099 [-1/(5\*x-1) ogf]  
A000351 55.7381 1/5\*ln(1+5\*x) revogf  
A000351 65.8723 -5/(-1+5\*x) lgdogf  
A000352 10.1395 [- (6\*x-5)/(3\*x-1)/(2\*x-1)/(x-1)^2 ogf]  
A000352 10.6115 -(-29+141\*x+108\*x^3-216\*x^2)/(6\*x-5)/(-1+x)/(3\*x-1)/(2\*x-1)  
lgdogf  
A000352 7.01965 [- (108\*x^3-216\*x^2+141\*x-29)/(36\*x^4-96\*x^3+91\*x^2-36\*x+5)

lgdogf]  
 A000354 16.8510  $[-(-1-2*x)/(-2*x+1) \text{ lgdegf}]$   
 A000354 30.5292  $-1-2*x+(1-2*x)*f(x) \text{ lgdegf}$   
 A000354 5.03014  $[ \{(-2*n-4)*a(n+1)+(-2*n-5)*a(n+2)+a(n+3), a(0) = 1, a(1) = 1, a(2) = 5\}, \text{ ogf}]$   
 A000356 4.16214  $[ \{(16*n^2+96*n+140)*a(n+1)+(-n^2-9*n-20)*a(n+2), a(0) = 1, a(1) = 5\}, \text{ ogf}]$   
 A000363 6.21454  $[-(675*x^3-963*x^2+445*x-61)/(135*x^4-282*x^3+196*x^2-54*x+5) \text{ lgdogf}]$   
 A000363 6.79264  $[ -(9*x-5)/(5*x-1)/(3*x-1)^2/(x-1)^3 \text{ ogf}]$   
 A000363 9.69804  $-(-61+445*x+675*x^3-963*x^2)/(-1+x)/(9*x-5)/(3*x-1)/(5*x-1) \text{ lgdogf}$   
 A000381 3.77777  $[ -(2*x^2+x-2)/(x-1)/(x^2+x-1) \text{ ogf}]$   
 A000382 7.94369  $-((11-4*x+9*x^4-12*x^3+4*x^6+4*x^5-8*x^2)/(-1+x)/(x^3+x^2+x-1)/(x^4+4*x^3+2*x^2+x-6) \text{ lgdogf})$   
 A000382 9.75452  $[ -(x^4+4*x^3+2*x^2+x-6)/(x-1)/(x^3+x^2+x-1) \text{ ogf}]$   
 A000383 7.28871  $-((-1+6*x^9+5*x^4+4*x^3+4*x^10+5*x^8-10*x^6-26*x^5+2*x^2)/(4*x^5+3*x^4+2*x^3+x^2-1)/(x^6+x^5+x^4+x^3+x^2+x-1) \text{ lgdogf})$   
 A000383 7.63451  $[ (4*x^5+3*x^4+2*x^3+x^2-1)/(x^6+x^5+x^4+x^3+x^2+x-1) \text{ ogf}]$   
 A000384 14.5431  $[ -x*(3*x+1)/(x-1)^3 \text{ ogf}]$   
 A000384 17.2700  $[-(-6*x-6)/(-3*x^2+2*x+1) \text{ lgdogf}]$   
 A000384 35.5340  $-6*(1+x)/(3*x+1)/(-1+x) \text{ lgdogf}$   
 A000384 7.46809  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 6\}, \text{ ogf}]$   
 A000387 10.7573  $-x*(12-6*x^3+15*x^2+x^4-16*x)/(-1+x)/(x^4-4*x^3+7*x^2-4*x+2) \text{ lgdegf}$   
 A000387 21.2625  $[-x/(x-1) \text{ lgdegf}]$   
 A000387 4.25251  $[ \{(-n^2-5*n-6)*a(n+1)+(-n^2-3*n)*a(n+2)+(n+1)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}, \text{ ogf}]$   
 A000389 11.8176  $[ x^5/(x-1)^6 \text{ ogf}]$   
 A000389 28.7000  $[ 6/(-x+1) \text{ lgdogf}]$   
 A000389 5.46666  $[ \{(-3+n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 1\}, \text{ ogf}]$   
 A000389 89.7041  $-6/(-1+x) \text{ lgdogf}$   
 A000392 14.4878  $[ -x^3/(x-1)/(3*x-1)/(2*x-1) \text{ ogf}]$   
 A000392 16.5777  $-2*(3-11*x+9*x^2)/(-1+x)/(3*x-1)/(2*x-1) \text{ lgdogf}$   
 A000392 5.12646  $[ \{-a(n+4)+6*a(n+3)-11*a(n+2)+6*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}, \text{ ogf}]$   
 A000392 9.94687  $[-(18*x^2-22*x+6)/(6*x^3-11*x^2+6*x-1) \text{ lgdogf}]$   
 A000400 14.2303  $[ \{a(n+1)-6*a(n), a(0) = 1\}, \text{ ogf}]$   
 A000400 26.4277  $[ 6/(-6*x+1) \text{ lgdogf}]$   
 A000400 35.2370  $[ -1/(6*x-1) \text{ ogf}]$   
 A000400 55.9564  $1/6*\ln(1+6*x) \text{ revegf}$   
 A000400 72.7434  $-6/(6*x-1) \text{ lgdogf}$   
 A000407 21.0467  $[ 6/(-4*x+1) \text{ lgdegf}]$   
 A000407 33.9985  $x*(1+x)/(1+2*x)^2 \text{ revegf}$   
 A000407 52.5432  $-6/(-1+4*x) \text{ lgdegf}$   
 A000407 6.62144  $[ \{(-4*n-10)*a(n+1)+a(n+2), a(0) = 1, a(1) = 6\}, \text{ ogf}]$   
 A000420 13.7313  $[ \{a(n+1)-7*a(n), a(0) = 1\}, \text{ ogf}]$   
 A000420 25.5011  $[ 7/(-7*x+1) \text{ lgdogf}]$   
 A000420 34.0014  $[ -1/(7*x-1) \text{ ogf}]$   
 A000420 53.9743  $1/7*\ln(1+7*x) \text{ revegf}$   
 A000420 63.7878  $-7/(-1+7*x) \text{ lgdogf}$   
 A000422 7.32018  $441-1260*x+900*x^2+(-42+522*x+600*x^3-1080*x^2)*f(x)+(100*x^4+141*x^2+1-22*x-220*x^3)*f(x)^2 \text{ lgdogf}$   
 A000431 15.3358  $[-(24*x-8)/(8*x^2-6*x+1) \text{ lgdogf}]$   
 A000431 15.9883  $[ -2*x^3/(4*x-1)/(2*x-1)^2 \text{ ogf}]$   
 A000431 26.7198  $-8*(-1+3*x)/(-1+4*x)/(2*x-1) \text{ lgdogf}$   
 A000431 5.73627  $[ \{-a(n+4)+8*a(n+3)-20*a(n+2)+16*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}, \text{ ogf}]$   
 A000439 10.2151  $[ (2*x-3)*(x^2-3*x+3)/(x-1)^5 \text{ ogf}]$



A000439 10.4526  $[-(-4*x^3+21*x^2-42*x+30)/(-2*x^4+11*x^3-24*x^2+24*x-9) \text{ lgdogf}]$   
A000439 17.3310  $-(-30+42*x+4*x^3-21*x^2)/(-1+x)/(2*x-3)/(x^2-3*x+3) \text{ lgdogf}$   
A000439 4.91217  $[{(3*n^2+29*n+60)*a(n+1)+(-8*n^2-80*n-188)*a(n+2)+(5*n^2+43*n+84)*a(n+3), a(0) = 9, a(1) = 30, a(2) = 69}, \text{ ogf}]$   
A000442 6.83906  $[{(-n^3-6*n^2-12*n-8)*a(n+1)+a(n+2), a(0) = 1, a(1) = 1}, \text{ ogf}]$   
A000447 12.7971  $[x*(x^2+6*x+1)/(x-1)^4 \text{ ogf}]$   
A000447 14.1544  $[-(2*x^2+20*x+10)/(x^3+5*x^2-5*x-1) \text{ lgdogf}]$   
A000447 27.1383  $-2*(5+10*x+x^2)/(-1+x)/(x^2+6*x+1) \text{ lgdogf}$   
A000447 4.91678  $[{(n+3)*a(n+4)+5*n*a(n+3)+(-25-5*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 10, a(3) = 35}, \text{ ogf}]$   
A000449 3.65160  $[{(n^2+11*n+30)*a(n+1)+(n^2+8*n+12)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 10}, \text{ ogf}]$   
A000449 6.46950  $-x*(60+x^6-124*x^3+165*x^2-12*x^5+54*x^4-120*x)/(-1+x)/(x^6-9*x^5+30*x^4-49*x^3+45*x^2-18*x+6) \text{ lgdegf}$   
A000453 12.2738  $-2*(-5+35*x+48*x^3-75*x^2)/(-1+x)/(3*x-1)/(2*x-1)/(-1+4*x) \text{ lgdogf}$   
A000453 13.6716  $[1/(x-1)/(3*x-1)/(2*x-1)/(4*x-1) \text{ ogf}]$   
A000453 8.14152  $[(-96*x^3+150*x^2-70*x+10)/(-24*x^4+50*x^3-35*x^2+10*x-1) \text{ lgdogf}]$   
A000457 11.1062  $[-(15*x+10)/(6*x^2-x-1) \text{ lgdegf}]$   
A000457 20.9222  $-5*(2+3*x)/(3*x+1)/(2*x-1) \text{ lgdegf}$   
A000457 4.82877  $[{(-2*n^2-13*n-21)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 10}, \text{ ogf}]$   
A000460 7.19885  $[(-96*x^4-102*x^3-15*x^2+44*x-11)/(24*x^5-50*x^4+29*x^3+x^2-5*x+1) \text{ lgdogf}]$   
A000460 8.30636  $[-(4*x^2-x-1)/(3*x-1)/(2*x-1)^2/(x-1)^3 \text{ ogf}]$   
A000460 8.53038  $-(-11+44*x+96*x^4-102*x^3-15*x^2)/(-1+x)/(3*x-1)/(2*x-1)/(4*x^2-x-1) \text{ lgdogf}$   
A000463 11.6150  $[(-3*x^4+4*x^3-8*x^2-4*x-1)/(-x^5+x^4-2*x^2+x+1) \text{ lgdogf}]$   
A000463 14.0016  $[-(x^3-x^2+x+1)/(x-1)^3/(x+1)^3 \text{ ogf}]$   
A000463 18.9626  $-(1+4*x+3*x^4-4*x^3+8*x^2)/(-1+x)/(1+x)/(x^3-x^2+x+1) \text{ lgdogf}$   
A000466 11.5854  $[(-3*x^2-18*x-3)/(-3*x^3-3*x^2+7*x-1) \text{ lgdogf}]$   
A000466 12.3451  $[-(3*x^2+6*x-1)/(x-1)^3 \text{ ogf}]$   
A000466 21.1915  $-3*(1+6*x+x^2)/(-1+x)/(3*x^2+6*x-1) \text{ lgdogf}$   
A000466 6.66419  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = -1, a(1) = 3, a(2) = 15}, \text{ ogf}]$   
A000475 3.77568  $[{(n^2+13*n+42)*a(n+1)+(n^2+9*n+14)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 15}, \text{ ogf}]$   
A000478 7.90801  $[-(12*x^3-40*x^2+45*x-15)/(3*x-1)/(2*x-1)^2/(x-1)^3 \text{ ogf}]$   
A000478 8.43676  $-(-105+700*x-1044*x^4+1974*x^3+216*x^5-1729*x^2)/(-1+x)/(3*x-1)/(2*x-1)/(12*x^3-40*x^2+45*x-15) \text{ lgdogf}$   
A000481 12.4906  $[ -1/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1) \text{ ogf}]$   
A000481 28.5742  $-(-15-170*x+600*x^4-1096*x^3+675*x^2)/(-1+x)/(-1+4*x)/(3*x-1)/(2*x-1)/(5*x-1) \text{ lgdogf}$   
A000481 6.68354  $[(-600*x^4+1096*x^3-675*x^2+170*x-15)/(-120*x^5+274*x^4-225*x^3+85*x^2-15*x+1) \text{ lgdogf}]$   
A000486 6.31104  $-(-75+799*x-6216*x^4+6508*x^3+2304*x^5-3284*x^2)/(-1+x)/(3*x-1)/(2*x-1)/(-1+4*x)/(24*x^2-29*x+8) \text{ lgdogf}$   
A000486 6.37153  $[2*(24*x^2-29*x+8)/(4*x-1)/(3*x-1)/(2*x-1)^2/(x-1)^2 \text{ ogf}]$   
A000487 10.9025  $-(-17+184*x+720*x^3-636*x^2)/(6*x-1)/(3*x-1)/(2*x-1)/(-1+4*x) \text{ lgdogf}$   
A000487 7.27995  $[(-720*x^3-636*x^2+184*x-17)/(144*x^4-180*x^3+80*x^2-15*x+1) \text{ lgdogf}]$   
A000487 7.35908  $[ -16*(3*x-1)/(6*x-1)/(4*x-1)^2/(2*x-1)^3 \text{ ogf}]$   
A000493 5.25134  $[x^4*(x^6-x^5+x^4-x^3+x^2-x+1)*(x^12+x^11-x^9-x^8+x^6-x^4-x^3+x+1)/(x-1)/(x^2+1)/(x^20-x^18+x^16-x^14+x^12-x^10+x^8-x^6+x^4-x^2+1) \text{ ogf}]$   
A000496 8.78905  $[-(4*x^8+10*x^7+6*x^6+3*x^5-13*x^4-2*x^3+x-1)/(x-1)/(x^3+x^2+x-1) \text{ ogf}]$   
A000496 9.88706  $-(-11-4*x+9*x^4-12*x^3+4*x^6+4*x^5-8*x^2)/(-1+x)/(x^3+x^2+x-1)/(x^4+4*x^3+2*x^2+x-6) \text{ lgdogf}$   
A000497 3.07709  $[{(-4*n^2-30*n-56)*a(n+1)+(-2*n^2-19*n-55)*a(n+2)+(n+3)*a(n+3),$

$a(0) = 1, a(1) = 25, a(2) = 490$ , ogf]  
A000497 5.98131  $[-(-20*x^3-285*x^2-330*x-50)/(-8*x^4-74*x^3-17*x^2+24*x+2)]$  lgdegf]  
A000497 9.47722  $-5*(10+66*x+4*x^3+57*x^2)/(2*x-1)/(4*x^3+39*x^2+28*x+2)$  lgdegf  
A000504 8.21981  $-21*(16+276*x+60*x^4+585*x^3+864*x^2)/(2*x-1)/(180*x^4+1285*x^3+1299*x^2+246*x+6)$  lgdegf  
A000515 13.8978 [hypergeom([1/2, 3/2],[1],16\*x) ogf]  
A000515 5.60394  $[{(16*n^2+64*n+60)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 12},$  ogf]  
A000520 10.5009  $[-(-27*x^28+28*x^27+1)/(x^29-x^28+x-1)]$  lgdogf]  
A000520 11.5314  $(-1-28*x^27+27*x^28)/(-1+x)/(x^4+1)/(x^24-x^20+x^16-x^12+x^8-x^4+1)$  lgdogf  
A000520 16.8928  $[-x^3*(x^4+1)*(x^24-x^20+x^16-x^12+x^8-x^4+1)/(x-1)]$  ogf]  
A000522 21.3724  $[-(-2+x)/(-x+1)]$  lgdegf]  
A000522 39.7817  $-2+x+(1-x)*f(x)$  lgdegf  
A000522 6.37981  $[{(-n-2)*a(n+1)+(n+4)*a(n+2)-a(n+3), a(0) = 1, a(1) = 2, a(2) = 5},$  ogf]  
A000529 11.9534  $[(x-2)*(3*x^3-12*x^2+18*x-10)/(x-1)^6]$  ogf]  
A000529 12.0651  $[-(6*x^4-42*x^3+114*x^2-146*x+74)/(3*x^5-21*x^4+60*x^3-88*x^2+66*x-20)]$  lgdogf]  
A000529 18.7547  $-2*(37-73*x+3*x^4-21*x^3+57*x^2)/(-1+x)/(x-2)/(3*x^3-12*x^2+18*x-10)$  lgdogf  
A000531 3.81362  $[{(-16*n-56)*a(n+1)+(8*n+30)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1) = 7, a(2) = 38},$  ogf]  
A000533 10.6403  $-(11-40*x+110*x^2)/(-1+x)/(10*x-1)/(10*x^2-1)$  lgdogf  
A000533 4.58079  $[{a(n+3)-11*a(n+2)+10*a(n+1), a(0) = 1, a(1) = 11, a(2) = 101},$  ogf]  
A000533 6.71432  $[-(110*x^2-40*x+11)/(100*x^4-110*x^3+11*x-1)]$  lgdogf]  
A000533 9.42587  $[-(10*x^2-1)/(10*x-1)/(x-1)]$  ogf]  
A000534 4.17003  $[x*(36*x^16+32*x^15+60*x^14+55*x^13+36*x^12+27*x^11+20*x^10+19*x^9+18*x^8+13*x^7+11*x^6+4*x^5+2*x^4-x^3-3*x^2-2*x-1)/(4*x^3-1)]$  ogf]  
A000536 11.9042  $[{(-n^2-13*n-42)*a(n+1)+(-n^2-11*n-28)*a(n+2)+(n+3)*a(n+3), a(0) = 24, a(1) = 240, a(2) = 2520},$  ogf]  
A000536 15.6506  $-(240+840*x+x^9+50*x^7-86*x^4+620*x^3-10*x^8-120*x^6+265*x^5+720*x^2)/(-1+x)/(x^8-8*x^7+34*x^6-64*x^5+125*x^4-16*x^3+168*x^2+96*x+24)$  lgdegf  
A000537 12.4561  $[-(3*x^2+18*x+9)/(x^3+3*x^2-3*x-1)]$  lgdogf]  
A000537 24.2017  $-3*(3+6*x+x^2)/(-1+x)/(x^2+4*x+1)$  lgdogf  
A000537 4.10988  $[{(n+3)*a(n+4)+(-3+3*n)*a(n+3)+(-21-3*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 36},$  ogf]  
A000537 9.75478  $[-x*(x^2+4*x+1)/(x-1)^5]$  ogf]  
A000538 10.3890  $[-(3*x^3+47*x^2+77*x+17)/(x^4+10*x^3-10*x-1)]$  lgdogf]  
A000538 16.1079  $-(17+77*x+3*x^3+47*x^2)/(-1+x)/(1+x)/(x^2+10*x+1)$  lgdogf  
A000538 4.44419  $[{(-4*n^2-25*n-39)*a(n+1)+(8*n^2+40*n+83)*a(n+2)+(-4*n^2-15*n-14)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 17},$  ogf]  
A000538 7.84269  $[x*(x+1)*(x^2+10*x+1)/(x-1)^6]$  ogf]  
A000539 11.7812  $-3*(11+96*x+x^4+36*x^3+136*x^2)/(-1+x)/(x^4+26*x^3+66*x^2+26*x+1)$  lgdogf  
A000539 6.46735  $[-x*(x^4+26*x^3+66*x^2+26*x+1)/(x-1)^7]$  ogf]  
A000539 7.25310  $[-(-3*x^4-108*x^3-408*x^2-288*x-33)/(-x^5-25*x^4-40*x^3+40*x^2+25*x+1)]$  lgdogf]  
A000540 5.28391  $[x*(x+1)*(x^4+56*x^3+246*x^2+56*x+1)/(x-1)^8]$  ogf]  
A000540 8.58532  $-(65+1003*x+233*x^4+1738*x^3+3*x^5+2718*x^2)/(-1+x)/(1+x)/(x^4+56*x^3+246*x^2+56*x+1)$  lgdogf  
A000541 4.45536  $[-x*(x^6+120*x^5+1191*x^4+2416*x^3+1191*x^2+120*x+1)/(x-1)^9]$  ogf]  
A000541 6.69554  $-3*(43+1114*x+2185*x^4+6420*x^3+x^6+162*x^5+5195*x^2)/(-1+x)/(x^6+120*x^5+1191*x^4+2416*x^3+1191*x^2+120*x+1)$  lgdogf  
A000542 3.65312  $[x*(x+1)*(x^6+246*x^5+4047*x^4+11572*x^3+4047*x^2+246*x+1)/(x-1)^10]$  ogf]

A000543 3.76477 [  $-x^*(x+1)*(x^6+13x^5+149x^4+514x^3+149x^2+13x+1)/(x-1)^9$  ogf ]  
A000543 5.46655  $-(23+436x+2x^7+4125x^4+6630x^3+49x^6+732x^5+3123x^2)/(-1+x)/(1+x)/(x^6+13x^5+149x^4+514x^3+149x^2+13x+1)$  lgdogf  
A000554 4.26085 [  $\{(-2n^2-26n-84)*a(n+1)+(3n^2+33n+84)*a(n+2)+(-n^2-9n-20)*a(n+3), a(0) = 12, a(1) = 60, a(2) = 210\}$ , ogf ]  
A000554 7.15353 [  $2*(4x^4-18x^3+33x^2-24x+6)/(2x-1)^3/(x-1)^3$  ogf ]  
A000554 7.72852  $-(-30+150x-96x^4+248x^3+16x^5-285x^2)/(-1+x)/(2x-1)/(4x^4-18x^3+33x^2-24x+6)$  lgdogf  
A000561 11.1240  $-(-4x^3-2x^2+70x+44)/(-4x^4+9x^3+15x^2-14x-6)$  lgdogf ]  
A000561 11.9797 [  $-(4x^3-5x^2-20x-6)/(x-1)^4$  ogf ]  
A000561 18.0288  $-2*(-22-35x+2x^3+x^2)/(-1+x)/(4x^3-5x^2-20x-6)$  lgdogf  
A000561 4.64885 [  $\{(-299n^2-2203n-3210)*a(n+1)+(-167n^2-2980n-9384)*a(n+2)+(466n^2+2888n+4470)*a(n+3), a(0) = 6, a(1) = 44, a(2) = 145\}$ , ogf ]  
A000562 11.6707  $-(-95-270x+6x^4+14x^3-60x^2)/(-1+x)/(2x^5-4x^4+15x^3-35x^2-50x-9)$  lgdogf  
A000562 7.76958 [  $-(-6x^4-14x^3+60x^2+270x+95)/(-2x^6+6x^5-19x^4+50x^3+15x^2-41x-9)$  lgdogf ]  
A000562 8.28266 [  $(2x^5-4x^4+15x^3-35x^2-50x-9)/(x-1)^5$  ogf ]  
A000563 6.13534 [  $-(8x^5-6x^4+10x^3-128x^2-114x-13)/(x-1)^6$  ogf ]  
A000563 8.26163  $-2*(-96-413x+14x^4+3x^3+4x^5-241x^2)/(-1+x)/(8x^5-6x^4+10x^3-128x^2-114x-13)$  lgdogf  
A000564 4.41763 [  $(2x^7-4x^6+36x^5-29x^4-72x^3-411x^2-231x-20)/(x-1)^7$  ogf ]  
A000564 5.65479  $-(-371-2208x+93x^4-404x^3+10x^6+48x^5-2271x^2)/(-1+x)/(2x^7-4x^6+36x^5-29x^4-72x^3-411x^2-231x-20)$  lgdogf  
A000565 4.14353 [  $-(12x^7-6x^6+88x^5-131x^4-548x^3-1123x^2-448x-31)/(x-1)^8$  ogf ]  
A000565 5.26202  $-6*(-116-897x+2x^7-14x^4-544x^3+12x^6+38x^5-1397x^2)/(-1+x)/(12x^7-6x^6+88x^5-131x^4-548x^3-1123x^2-448x-31)$  lgdogf  
A000566 14.7479 [  $-x*(4x+1)/(x-1)^3$  ogf ]  
A000566 17.5132 [  $-(-8x-7)/(-4x^2+3x+1)$  lgdogf ]  
A000566 36.0416  $-(7+8x)/(4x+1)/(-1+x)$  lgdogf  
A000566 7.57327 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 7\}$ , ogf ]  
A000567 12.8131 [  $-x*(5x+1)/(x-1)^3$  ogf ]  
A000567 14.9051 [  $-(-10x-8)/(-5x^2+4x+1)$  lgdogf ]  
A000567 28.7598  $-2*(4+5x)/(5x+1)/(-1+x)$  lgdogf  
A000567 6.57972 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 8\}$ , ogf ]  
A000570 8.93923  $-(1+2x+2x^7+3x^4+6x^3+x^8+3x^6+2x^5+5x^2)/(x^4+x^3+x^2+1)/(x^5+x^4+x^3+x-1)$  lgdogf  
A000570 9.22790 [  $-(x^4+x^3+x^2+1)/(x^5+x^4+x^3+x-1)$  ogf ]  
A000574 14.9791 [  $-(-10x+16)/(-2x^2+5x-3)$  lgdogf ]  
A000574 28.2547  $-2*(-8+5x)/(-1+x)/(2x-3)$  lgdogf  
A000574 4.86335 [  $\{(3n+9)*a(n+3)+(-26-5n)*a(n+2)+(12+2n)*a(n+1), a(0) = 3, a(1) = 16, a(2) = 51\}$ , ogf ]  
A000574 9.36195 [  $-(2x-3)/(x-1)^6$  ogf ]  
A000575 13.1871  $-2*(-40+75x+14x^3-54x^2)/(-1+x)/(4x^3-15x^2+20x-10)$  lgdogf  
A000575 4.15908 [  $\{(n^2+21n+104)*a(n+1)+(-2n^2-29n-74)*a(n+2)+(n^2+8n+15)*a(n+3), a(0) = 10, a(1) = 80, a(2) = 365\}$ , ogf ]  
A000575 5.35154 [  $-(4x^3-15x^2+20x-10)/(x-1)^{10}$  ogf ]  
A000575 8.50300 [  $-(-28x^3+108x^2-150x+80)/(-4x^4+19x^3-35x^2+30x-10)$  lgdogf ]  
A000578 10.5811 [  $x*(x^2+4x+1)/(x-1)^4$  ogf ]  
A000578 11.8834 [  $-(2x^2+14x+8)/(x^3+3x^2-3x-1)$  lgdogf ]  
A000578 23.0691  $-2*(4+7x+x^2)/(-1+x)/(x^2+4x+1)$  lgdogf  
A000578 3.92093 [  $\{(n+3)*a(n+4)+(-2+3n)*a(n+3)+(-17-3n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 8, a(3) = 27\}$ , ogf ]  
A000579 10.2043 [  $-x^6/(x-1)^7$  ogf ]  
A000579 28.0618 [  $7/(-x+1)$  lgdogf ]

A000579 4.97298 [ $\{(-4+n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 1\}$ , ogf]  
A000579 88.1232  $-7/(-1+x)$  lgdogf  
A000580 24.1606  $[8/(-x+1)$  lgdogf]  
A000580 6.50477 [ $\{(-n-2)*a(n+2)+(9+n)*a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A000580 73.6400  $-8/(-1+x)$  lgdogf  
A000580 8.24995  $[1/(x-1)^8$  ogf]  
A000581 28.5965  $[9/(-x+1)$  lgdogf]  
A000581 7.62572 [ $\{(-n-2)*a(n+2)+(10+n)*a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A000581 74.8264  $-9/(-1+x)$  lgdogf  
A000581 8.25465  $[-1/(x-1)^9$  ogf]  
A000582 26.4062  $[10/(-x+1)$  lgdogf]  
A000582 7.09056  $[1/(x-1)^{10}$  ogf]  
A000582 7.22434 [ $\{(-n-2)*a(n+2)+(11+n)*a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A000582 75.2044  $-10/(-1+x)$  lgdogf  
A000583 14.6197  $-2*(8+33*x+x^3+18*x^2)/(-1+x)/(1+x)/(x^2+10*x+1)$  lgdogf  
A000583 3.95736 [ $\{(-4*n^2-17*n-18)*a(n+1)+(8*n^2+32*n+72)*a(n+2)+(-4*n^2-15*n-14)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 16\}$ , ogf]  
A000583 7.65941  $[-x*(x+1)*(x^2+10*x+1)/(x-1)^5$  ogf]  
A000583 9.25097  $[-(2*x^3+36*x^2+66*x+16)/(x^4+10*x^3-10*x-1)$  lgdogf]  
A000584 10.3582  $-2*(16+131*x+x^4+41*x^3+171*x^2)/(-1+x)/(x^4+26*x^3+66*x^2+26*x+1)$  lgdogf  
A000584 6.25086  $[x*(x^4+26*x^3+66*x^2+26*x+1)/(x-1)^6$  ogf]  
A000587 16.4666  $(n+2)*a(n+2)-a(n+1), a(0)=-1, a(1)=-1$  lgdegf  
A000587 29.7121  $[-exp(x)$  lgdegf]  
A000588 12.5094  $[14/(1-4*x)^{(1/2)}/(1+(1-4*x)^{(1/2)})$  lgdogf]  
A000588 22.3453  $-49+(7-28*x)*f(x)+(x-4*x^2)*f(x)^2$  lgdogf  
A000588 5.33618 [ $\{(-4*n^2-14*n-12)*a(n+1)+(n^2+5*n-6)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A000589 12.0870  $[22/(1-4*x)^{(1/2)}/(1+(1-4*x)^{(1/2)})$  lgdogf]  
A000589 20.1276  $-121+(11-44*x)*f(x)+(x-4*x^2)*f(x)^2$  lgdogf  
A000589 5.85165 [ $\{(-4*n^2-54*n-182)*a(n+1)+(n^2+15*n+26)*a(n+2), a(0) = 1, a(1) = 11\}$ , ogf]  
A000590 12.4517  $[26/(1-4*x)^{(1/2)}/(1+(1-4*x)^{(1/2)})$  lgdogf]  
A000590 20.7456  $-169+(13-52*x)*f(x)+(x-4*x^2)*f(x)^2$  lgdogf  
A000590 6.02821 [ $\{(-4*n^2-62*n-240)*a(n+1)+(n^2+17*n+30)*a(n+2), a(0) = 1, a(1) = 13\}$ , ogf]  
A000594 25.3526  $[24/(x-1)$  ogf\_with\_Euler\_transform]  
A000596 4.25009 [ $\{(2*n^2+19*n+45)*a(n+1)+(-74*n^2-907*n-2841)*a(n+2)+(72*n^2+468*n+756)*a(n+3), a(0) = 4, a(1) = 49, a(2) = 273\}$ , ogf]  
A000596 7.54689  $[-(x^3+14*x^2+21*x+4)/(x-1)^7$  ogf]  
A000596 7.82024  $-(49+154*x+4*x^3+73*x^2)/(-1+x)/(x^3+14*x^2+21*x+4)$  lgdogf  
A000596 9.38973  $[-(4*x^3+73*x^2+154*x+49)/(x^4+13*x^3+7*x^2-17*x-4)$  lgdogf]  
A000597 4.54545  $[ (x^5+75*x^4+603*x^3+1065*x^2+460*x+36)/(x-1)^{10}$  ogf]  
A000601 11.2471  $[-(7*x^3+9*x^2+6*x+2)/(x^4+x^3-x-1)$  lgdogf]  
A000601 15.2790  $[1/(x+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A000601 18.4684  $-(2+6*x+7*x^3+9*x^2)/(-1+x)/(1+x)/(x^2+x+1)$  lgdogf  
A000601 32.2243  $[x^2+x+2$  ogf\_with\_Euler\_transform]  
A000655 13.4768  $[ (x^3-2*x^2-2*x-1)/(x-1)$  ogf]  
A000655 15.8351  $(3+4*x+2*x^3-5*x^2)/(-1+x)/(x^3-2*x^2-2*x-1)$  lgdogf  
A000655 7.44032 [ $\{a(n+4)-a(n+3), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 4\}$ , ogf]  
A000655 9.92043  $[-(-2*x^3+5*x^2-4*x-3)/(x^4-3*x^3+x+1)$  lgdogf]  
A000680 7.05351 [ $\{(2*n^2+7*n+6)*a(n+1)-a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A000681 4.15714 [ $\{(n^3+7*n^2+16*n+12)*a(n+1)+(-2*n^2-12*n-18)*a(n+2)+2*a(n+3), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A000689 10.5085  $[-(5*x^3+3*x^2+x+1)/(x^2+1)/(x-1)$  ogf]  
A000689 11.5985  $-2*(1+2*x+4*x^4-4*x^3+7*x^2)/(-1+x)/(x^2+1)/(5*x^3+3*x^2+x+1)$  lgdogf  
A000689 5.49306  $\{-a(n+4)+a(n+3)-a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$ , ogf]  
A000700 17.8870  $[-(-x^2+x-1)/(-x^4+1)$  ogf\_with\_Euler\_transform]

A000710 19.3901  $[-(-x^4+2)/(x-1) \text{ ogf\_with\_Euler\_transform}]$   
A000711 19.4243  $[-(-x^4+3)/(x-1) \text{ ogf\_with\_Euler\_transform}]$   
A000712 31.7198  $[2/(-x+1) \text{ ogf\_with\_Euler\_transform}]$   
A000713 22.0559  $[-(-3+x)/(-x+1) \text{ ogf\_with\_Euler\_transform}]$   
A000714 16.0608  $[-(-x^2+3)/(x-1) \text{ ogf\_with\_Euler\_transform}]$   
A000715 19.2509  $[-(-x^3+3)/(x-1) \text{ ogf\_with\_Euler\_transform}]$   
A000716 37.3944  $[3/(-x+1) \text{ ogf\_with\_Euler\_transform}]$   
A000726 20.1326  $[-(-x-1)/(-x^3+1) \text{ ogf\_with\_Euler\_transform}]$   
A000727 34.2767  $[4/(x-1) \text{ ogf\_with\_Euler\_transform}]$   
A000728 27.0504  $[5/(x-1) \text{ ogf\_with\_Euler\_transform}]$   
A000729 31.7307  $[6/(x-1) \text{ ogf\_with\_Euler\_transform}]$   
A000730 25.1240  $[7/(x-1) \text{ ogf\_with\_Euler\_transform}]$   
A000731 30.4619  $[8/(x-1) \text{ ogf\_with\_Euler\_transform}]$   
A000735 29.8514  $[12/(x-1) \text{ ogf\_with\_Euler\_transform}]$   
A000739 22.8927  $[16/(x-1) \text{ ogf\_with\_Euler\_transform}]$   
A000748 15.2324  $[-(-3-6*x)/(-3*x^2-3*x-1) \text{ lgdogf}]$   
A000748 25.2123  $[1/(3*x^2+3*x+1) \text{ ogf}]$   
A000748 33.1930  $-3*(2*x+1)/(3*x^2+1+3*x) \text{ lgdogf}$   
A000748 8.91654  $[{a(n+2)+3*a(n+1)+3*a(n), a(0) = 1, a(1) = -3}, \text{ ogf}]$   
A000749 10.8997  $[-(-12*x^2+12*x-4)/(-4*x^3+6*x^2-4*x+1) \text{ lgdogf}]$   
A000749 15.9862  $[-x^3/(2*x-1)/(2*x^2-2*x+1) \text{ ogf}]$   
A000749 18.3552  $-4*(-3*x+1+3*x^2)/(2*x-1)/(2*x^2-2*x+1) \text{ lgdogf}$   
A000749 5.57657  $[{-a(n+4)+4*a(n+3)-6*a(n+2)+4*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1}, \text{ ogf}]$   
A000750 11.7734  $-5*(2*x+1)*(2*x^2+2*x+1)/(10*x^2+1+5*x+5*x^4+10*x^3) \text{ lgdogf}$   
A000750 12.1575  $[1/(5*x^4+10*x^3+10*x^2+5*x+1) \text{ ogf}]$   
A000757 3.21260  $[{(-n-2)*a(n+1)+(-2*n-4)*a(n+2)+(-n-1)*a(n+3)+a(n+4), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1}, \text{ ogf}]$   
A000770 7.13559  $-(-21+350*x-8820*x^4+6496*x^3+4320*x^5-2205*x^2)/(-1+x)/(6*x-1)/(-1+4*x)/(3*x-1)/(2*x-1)/(5*x-1) \text{ lgdogf}$   
A000770 8.93840  $[1/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1) \text{ ogf}]$   
A000771 5.80911  $-4*(7-161*x+16415*x^4-6769*x^3+8820*x^6-19602*x^5+1470*x^2)/(-1+x)/(6*x-1)/(-1+4*x)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1) \text{ lgdogf}$   
A000771 7.64080  $[-1/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1) \text{ ogf}]$   
A000773 14.3556  $[x^3/(2*x-1)/(x+1)/(3*x^2-1) \text{ ogf}]$   
A000773 16.1125  $-(-1-10*x+24*x^3+9*x^2)/(2*x-1)/(1+x)/(3*x^2-1) \text{ lgdogf}$   
A000773 9.27860  $[-(24*x^3+9*x^2-10*x-1)/(6*x^4+3*x^3-5*x^2-x+1) \text{ lgdogf}]$   
A000779 13.5354  $-2*(2*x+5+(1-2*x)^(1/2))/(2*x+3)/(-1+2*x) \text{ lgdegf}$   
A000779 7.86824  $[-2*(2*x+5+(1-2*x)^(1/2))/(2*x+3)/(-1+2*x) \text{ lgdegf}]$   
A000780 11.3296  $[(x^2-x-1)/(x-1)^3 \text{ egf}]$   
A000780 12.3412  $[-(-x^2+4)/(-x^3+2*x^2-1) \text{ lgdegf}]$   
A000780 23.4113  $-(x-2)*(x+2)/(-1+x)/(x^2-x-1) \text{ lgdegf}$   
A000780 3.07158  $[{(2*n^2+8*n+8)*a(n+1)+(3*n^2+19*n+34)*a(n+2)+(n^2+7*n+16)*a(n+3)+(-n-4)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 16, a(3) = 78}, \text{ ogf}]$   
A000782 15.3119  $-1-5/2*x-1/2*x^2+1/2*(1+6*x+x^2)*(2+x)^2^(1/2) \text{ revogf}$   
A000782 4.08828  $[{(-20*n^2-70*n-60)*a(n+1)+(-11*n^2-79*n-150)*a(n+2)+(4*n^2+32*n+60)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 8}, \text{ ogf}]$   
A000782 8.59949  $[-1/2*x^2-5/2*x-1+1/2*(x^4+10*x^3+29*x^2+28*x+4)^(1/2) \text{ revogf}]$   
A000792 13.1961  $(-1-4*x-6*x^4-10*x^3+3*x^6-9*x^2)/(3*x^3-1)/(x^4+2*x^2+x+1) \text{ lgdogf}$   
A000792 13.9230  $[-(x^4+2*x^2+x+1)/(3*x^3-1) \text{ ogf}]$   
A000792 7.34827  $[{-a(n+5)+3*a(n+2), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 4}, \text{ ogf}]$   
A000803 12.6688  $[-4*x^2*(3*x-2)/(x-1)/(x^3+x^2+x-1) \text{ ogf}]$   
A000803 15.0458  $-(1+9*x^4-8*x^3)/(-1+x)/(3*x-2)/(x^3+x^2+x-1) \text{ lgdogf}$   
A000803 9.00150  $[-(9*x^4-8*x^3+1)/(3*x^5-2*x^4-6*x^2+7*x-2) \text{ lgdogf}]$   
A000806 13.5247  $[(-1+(2*x+1)^(1/2))/(2*x+1) \text{ lgdegf}]$   
A000806 18.9882  $-2*x+(2+4*x)*f(x)+(4*x^2+1+4*x)*f(x)^2 \text{ lgdegf}$   
A000806 3.30180  $[{(n+2)*a(n+1)+(-2*n^2-8*n-6)*a(n+2)+(-2*n^2-16*n-30)*a(n+3)+(-n-4)*a(n+4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = -5}, \text{ ogf}]$   
A000806 31.3718  $1/2*\ln(1+x)*(\ln(1+x)+2) \text{ revogf}$

A000852 5.39652  
 $(8-2*x-415*x^4+216*x^3-270*x^{14}+183*x^5+140*x^{13}+12*x^2+130*x^{15})/(-1+x)/$   
 $(10*x^{15}-10*x^{14}+61*x^5-55*x^4-4*x^3+4*x^2-6*x-1)$  lgdogf  
A000852 6.80582 [  $-(10*x^{15}-10*x^{14}+61*x^5-55*x^4-4*x^3+4*x^2-6*x-1)/(x-1)^2$   
ogf ]  
A000855 5.39768 [ -  
 $(50*x^{12}+25*x^{11}+13*x^{10}-44*x^9+28*x^8-36*x^7+32*x^6+16*x^5+8*x^4+4*x^3+2*x^2+x$   
 $+1)/(x-1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)$  ogf ]  
A000865 14.5440  $-2*(-50+49*x)/(-1+x)/(98*x^2-98*x-1)$  lgdogf  
A000865 5.07573 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 100, a(2) = 101\}$ ,  
ogf ]  
A000865 8.54011 [  $(-98*x+100)/(-98*x^3+196*x^2-97*x-1)$  lgdogf ]  
A000865 9.78231 [  $-(98*x^2-98*x-1)/(x-1)^2$  ogf ]  
A000873 5.09059  $(11+3*x+122*x^4-299*x^3+8520*x^{14}+9230*x^{12}-17750*x^{13}+165*x^2)/$   
 $(-1+x)/(710*x^{14}-710*x^{13}+61*x^4-55*x^3-4*x^2+5*x-8)$  lgdogf  
A000873 6.51132 [  $-(710*x^{14}-710*x^{13}+61*x^4-55*x^3-4*x^2+5*x-8)/(x-1)^2$  ogf ]  
A000888 14.6746 [hypergeom([1/2, 1/2],[2],16\*x) ogf]  
A000888 5.96528 [  $\{(-16*n^2-48*n-36)*a(n+1)+(n^2+5*n+6)*a(n+2), a(0) = 1, a(1) =$   
 $2\}$ , ogf ]  
A000891 4.25331 [  $\{(16*n^2+64*n+60)*a(n+1)+(-n^2-6*n-9)*a(n+2), a(0) = 1, a(1) =$   
 $3\}$ , ogf ]  
A000894 4.00796 [  $\{(-16*n^2-64*n-60)*a(n+1)+(n^2+5*n+6)*a(n+2), a(0) = 1, a(1) =$   
 $6\}$ , ogf ]  
A000897 10.5614 [hypergeom([1/4, 3/4],[1],64\*x) ogf]  
A000897 4.19103 [  $\{(-64*n^2-192*n-140)*a(n+1)+(n^2+4*n+4)*a(n+2), a(0) = 1, a(1)$   
 $= 12\}$ , ogf ]  
A000898 137.926  $2+2*x$  lgdegf  
A000898 7.12364 [  $\{(2*n+4)*a(n+1)-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 2, a(2) = 6\}$ ,  
ogf ]  
A000904 3.35488 [  $\{-a(n+1)+(-n-7)*a(n+2)+(-n-6)*a(n+3)+a(n+4), a(0) = 0, a(1) =$   
 $3, a(2) = 13, a(3) = 83\}$ , ogf ]  
A000906 11.2762 [  $(-15*x+10)/(6*x^2-x-1)$  lgdegf ]  
A000906 20.4621  $-5*(2+3*x)/(3*x+1)/(-1+2*x)$  lgdegf  
A000906 4.90269 [  $\{(-2*n^2-13*n-21)*a(n+1)+(n+2)*a(n+2), a(0) = 2, a(1) = 20\}$ ,  
ogf ]  
A000907 3.14434 [  $\{(-2*n^2-15*n-28)*a(n+1)+(-12*n^2-125*n-332)*a(n+2)+(6*n$   
 $+18)*a(n+3), a(0) = 6, a(1) = 130, a(2) = 2380\}$ , ogf ]  
A000907 6.18501 [  $(-10*x^3+405*x^2+690*x+130)/(4*x^4+112*x^3+71*x^2-52*x-6)$   
lgdegf ]  
A000907 9.67974  $-5*(26+138*x+2*x^3+81*x^2)/(-1+2*x)/(2*x^3+57*x^2+64*x+6)$  lgdegf  
A000909 5.20685 [  $\{(16*n^2+64*n+60)*a(n+1)-a(n+2), a(0) = 1, a(1) = 12\}$ , ogf ]  
A000910 10.2670 [  $-5*x^6/(x-1)^7$  ogf ]  
A000910 29.7010 [  $7/(-x+1)$  lgdogf ]  
A000910 5.26347 [  $\{(-4+n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0,$   
 $a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 5\}$ , ogf ]  
A000910 93.2172  $-7/(-1+x)$  lgdogf  
A000911 25.7327 [  $10/(-4*x+1)$  lgdogf ]  
A000911 61.1421  $-10/(-1+4*x)$  lgdogf  
A000911 7.04007 [  $\{(-n-2)*a(n+2)+(14+4*n)*a(n+1), a(0) = 6, a(1) = 60\}$ , ogf ]  
A000914 10.0397 [  $-x*(x+2)/(x-1)^5$  ogf ]  
A000914 15.3670 [  $-(4*x+11)/(x^2+x-2)$  lgdogf ]  
A000914 33.7304  $-(11+4*x)/(x+2)/(-1+x)$  lgdogf  
A000914 4.98663 [  $\{(4+2*n)*a(n+3)+(-12-n)*a(n+2)+(-4-n)*a(n+1), a(0) = 0, a(1) =$   
 $2, a(2) = 11\}$ , ogf ]  
A000915 14.1310  $-(274+508*x+6*x^3+157*x^2)/(-1+x)/(x^3+22*x^2+58*x+24)$  lgdogf  
A000915 4.06494 [  $\{(-4*n^2-57*n-203)*a(n+1)+(-7*n^2-154*n-691)*a(n$   
 $+2)+(11*n^2+91*n+174)*a(n+3), a(0) = 24, a(1) = 274, a(2) = 1624\}$ , ogf ]  
A000915 6.06565 [  $-(x^3+22*x^2+58*x+24)/(x-1)^9$  ogf ]  
A000915 8.62670 [  $(-6*x^3-157*x^2-508*x-274)/(-x^4-21*x^3-36*x^2+34*x+24)$   
lgdogf ]  
A000917 6.02021 [  $\{(-4*n^2-26*n-42)*a(n+1)+(n^2+6*n+8)*a(n+2), a(0) = 3, a(1) =$

20}], ogf]

A000917 7.55598 [  $(- (128x^2 - 38x + 3) / (-1 + 4x)^{(3/2)} + 3I) / x / (16x - 3) * (-1 + 4x)^{(1/2)}$  lgdogf]

A000918 12.2151 [  $\{-a(n+2) + 3a(n+1) - 2a(n), a(0) = -1, a(1) = 0\}$ , ogf]

A000918 16.2201 [  $-(6x^2 - 4x) / (6x^3 - 11x^2 + 6x - 1)$  lgdogf]

A000918 21.9872 [  $(3x - 1) / (2x - 1) / (x - 1)$  ogf]

A000918 25.1833  $1/2 / (-3 + 2x) * (-1 + 3x + (1 + 6x + x^2)^{(1/2)})$  revogf

A000918 26.5446  $-2x * (-2 + 3x) / (-1 + x) / (3x - 1) / (-1 + 2x)$  lgdogf

A000919 12.4391  $-2 * (-5 + 35x + 48x^3 - 75x^2) / (-1 + x) / (3x - 1) / (-1 + 2x) / (-1 + 4x)$  lgdogf

A000919 12.7090 [  $24x^3 / (x - 1) / (3x - 1) / (2x - 1) / (4x - 1)$  ogf]

A000919 8.28229 [  $-(-96x^3 + 150x^2 - 70x + 10) / (-24x^4 + 50x^3 - 35x^2 + 10x - 1)$  lgdogf]

A000920 6.78754  $-(-21 + 350x - 8820x^4 + 6496x^3 + 4320x^5 - 2205x^2) / (-1 + x) / (6x - 1) / (-1 + 4x) / (3x - 1) / (-1 + 2x) / (5x - 1)$  lgdogf

A000920 7.80119 [  $720x^5 / (x - 1) / (6x - 1) / (4x - 1) / (3x - 1) / (2x - 1) / (5x - 1)$  ogf]

A000930 15.7917 [  $-(-3x^2 - 1) / (-x^3 - x + 1)$  lgdogf]

A000930 28.3162 [  $-1 / (x^3 + x - 1)$  ogf]

A000930 38.3825  $-(1 + 3x^2) / (-1 + x + x^3)$  lgdogf

A000930 8.73584 [  $\{-a(n+3) + a(n+2) + a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]

A000931 14.3195 [  $(x - 1) * (x + 1) / (x^3 + x^2 - 1)$  ogf]

A000931 20.4059  $-x^2 * (x^2 - 3) / (-1 + x) / (1 + x) / (x^3 + x^2 - 1)$  lgdogf

A000931 8.24926 [  $\{-a(n+3) + a(n+1) + a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , ogf]

A000931 9.98595 [  $-(x^4 - 3x^2) / (x^5 + x^4 - x^3 - 2x^2 + 1)$  lgdogf]

A000932 6.25651 [  $\{(-3 - n) * a(n+1) + a(n+3) - a(n+2), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]

A000933 10.2719  $-(1 - 2x^7 + 9x^4 + 3x^8 + 6x^6 - 4x^5 + 5x^2) / (-1 + x) / (x^2 + x + 1) / (x^4 - x^3 + x^2 - x + 1) / (1 + x^2)$  lgdogf

A000933 18.8743 [  $-x^9 + x^4 + x^3 + x^2 + 1$  ogf\_with\_Euler\_transform]

A000933 7.28692 [  $-x^4 * (x^4 - x^3 + x^2 - x + 1) / (x^2 + 1) / (x^2 + x + 1) / (x - 1)^3$  ogf]

A000957 13.8577 [  $-(-2x^2 + x) / (-x^2 + 2x - 1)$  revogf]

A000957 3.46443 [  $\{(4n^2 + 2n) * a(n) + (3n^2 - 12n - 12) * a(n+1) + (-9n^2 - 27n - 18) * a(n+2) + (2n^2 + 10n + 12) * a(n+3), a(0) = 0, a(1) = 1, a(2) = 0\}$ , ogf]

A000957 35.6934  $-x * (-1 + 2x) / (-1 + x)^2$  revogf

A000958 14.2090  $1/2 * ((4x^2 + 1)^{(1/2)} * x + (4x^2 + 1)^{(1/2)} - 1 - x - 2x^2) / x^2$  revogf

A000958 7.23025 [  $-1/2 * I * (x - 4) / (-1 + 4x)^{(1/2)} / (x + 2) / x - 1/2 * (3x + 4) / (x + 2) / x$  lgdogf]

A000962 7.15195  $-x^2 * (-10x^7 + 28x^5 + 17x^2 - 8x + 2x^8 + 3x^6 - 39x^4 + 22x^3 - 3) / (1 + x) / (2x^4 - 7x^3 + 6x^2 + x - 1) / (x^6 - 3x^4 + 7x^2 - 1)$  lgdogf

A000962 9.33774 [  $(x + 1) * (2x^4 - 7x^3 + 6x^2 + x - 1) / (x^6 - 3x^4 + 7x^2 - 1)$  ogf]

A000963 6.01973 [  $x * (2x^4 - 7x^3 + 4x^2 - 1) / (x^6 - 3x^4 + 7x^2 - 1)$  ogf]

A000964 7.48902  $-(1 + 8x - 12x^7 - 16x^4 - 12x^3 + 3x^8 + 2x^6 + 24x^5 + 10x^2) / (-1 + x) / (x^2 - 2x - 1) / (x^6 - 3x^4 + 7x^2 - 1)$  lgdogf

A000964 8.77575 [  $-x^2 * (x - 1) * (x^2 - 2x - 1) / (x^6 - 3x^4 + 7x^2 - 1)$  ogf]

A000969 11.1374 [  $-(2x^2 + x + 1) / (x^2 + x + 1) / (x - 1)^3$  ogf]

A000969 15.0304  $-(3 + 8x + 6x^4 + 8x^3 + 11x^2) / (-1 + x) / (x^2 + x + 1) / (2x^2 + x + 1)$  lgdogf

A000969 8.84106 [  $-(6x^4 + 8x^3 + 11x^2 + 8x + 3) / (2x^5 + x^4 + x^3 - 2x^2 - x - 1)$  lgdogf]

A000970 5.56571 [  $-(3x^5 + 2x^4 + 4x^3 + 3x^2 + 3x + 1) / (x^4 + x^3 + x^2 + x + 1) / (x - 1)^5$  ogf]

A000970 5.94914  $-(7 + 22x + 12x^9 + 44x^7 + 72x^4 + 52x^3 + 22x^8 + 57x^6 + 72x^5 + 40x^2) / (-1 + x) / (3x^5 + 2x^4 + 4x^3 + 3x^2 + 3x + 1) / (x^4 + x^3 + x^2 + x + 1)$  lgdogf

A000971 3.87899 [  $(x^8 + 3x^7 + 3x^6 - 4x^5 + 10x^4 - 4x^3 + 3x^2 + 3x + 1) / (x^6 + x^3 + 1) / (x - 1)^6$  ogf]

A000972 3.87921 [  $-(4x^8 + 6x^7 + 12x^6 + 7x^5 + 10x^4 + 9x^3 + 9x^2 + 6x + 1) / (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) / (x - 1)^7$  ogf]

A000973 13.2594  $-(15 + 63x + 5x^3 + 45x^2) / (-1 + x) / (1 + x) / (x^2 + 6x + 1)$  lgdogf

A000973 5.24015 [  $\{(2n^2 + 23n + 66) * a(n+1) + (-2n^2 - 9n - 10) * a(n+2), a(0) = 1, a(1) = 15\}$ , ogf]

A000973 5.69982 [  $(x + 1) * (x^2 + 6x + 1) / (x - 1)^8$  ogf]

A000973 8.66372 [  $-(5x^3 + 45x^2 + 63x + 15) / (x^4 + 6x^3 - 6x - 1)$  lgdogf]

A000975 11.2544 [  $-(-6x^2 + 2x + 2) / (-2x^3 + x^2 + 2x - 1)$  lgdogf]

A000975 16.0062 [  $x/(x-1)/(2*x-1)/(x+1)$  ogf]  
A000975 19.1836  $-2*(-1-x+3*x^2)/(-1+x)/(-1+2*x)/(1+x)$  lgdogf  
A000975 6.48902 [ $\{-a(n+3)+2*a(n+2)+a(n+1)-2*a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A000981 5.88386  $(19+8800*x^{13}+123*x+9600*x^{11}+70*x^3-18400*x^{12}-210*x^2)/(-1+x)/(800*x^{13}-800*x^{12}+70*x^3-61*x^2-x-9)$  lgdogf  
A000981 7.16840 [  $-(800*x^{13}-800*x^{12}+70*x^3-61*x^2-x-9)/(x-1)^2$  ogf]  
A000982 13.7620 [  $-(2*x^3+2*x^2+6*x+2)/(x^4-1)$  lgdogf]  
A000982 14.4863 [  $-x*(x^2+1)/(x+1)/(x-1)^3$  ogf]  
A000982 20.8654  $-2*(1+3*x+x^2+x^3)/(-1+x)/(1+x)/(1+x^2)$  lgdogf  
A000982 28.3397 [ $[-x^3+2*x+2]$  ogf\_with\_Euler\_transform]  
A000984 29.9898 [ $2/(-4*x+1)$  lgdogf]  
A000984 34.4327  $(-2*x+(4*x^2+1)^{(1/2)})*x$  revogf  
A000984 75.1260  $-2/(-1+4*x)$  lgdogf  
A000984 8.07417 [ $\{(-n-2)*a(n+2)+(6+4*n)*a(n+1), a(0) = 1, a(1) = 2\}$ , ogf]  
A000985 11.9520 [  $-(x^3-2*x^2+2)/(-2*x^2+4*x-2)$  lgdegf]  
A000985 22.7341  $-2-x^3+2*x^2+(2-4*x+2*x^2)*f(x)$  lgdegf  
A000985 3.18720 [ $\{(-2*n-10)*a(n+5)+(18+4*n)*a(n+4)+(-2*n-6)*a(n+3)-2*a(n+2)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 3/2, a(3) = 11/6, a(4) = 7/3\}$ , egf]  
A000986 12.2518  $-a(n+4)+2*a(n+3)-a(n+2), a(0)=0, a(1)=1, a(2)=2, a(3)=5/2$  lgdegf  
A000986 13.1369 [  $-(-x^3+2*x)/(-2*x^2+4*x-2)$  lgdegf]  
A000990 23.3352 [  $-(-1-x)/(-x+1)$  ogf\_with\_Euler\_transform]  
A000991 20.0533 [  $-(x^2+x+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A000993 4.27404 [  $-(500*x^7+1700*x^6+5*x^5-723*x^4-59*x^3+68*x^2+4*x-1)/(x-1)/(5*x-1)/(2*x+1)/(2*x-1)/(5*x+1)/(10*x-1)/(x+1)$  ogf]  
A001002 15.8902 [  $-x*(x^2+x-1)$  revogf]  
A001002 3.41726 [ $\{(-27*n^2-108*n-105)*a(n+1)+(-22*n^2-121*n-165)*a(n+2)+(5*n^2+35*n+60)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A001002 47.9152  $-x*(-1+x+x^2)$  revogf  
A001003 13.2311  $-1/2*(-1+x+(1-6*x+x^2)^{(1/2)})/(1-6*x+x^2)^{(1/2)}/x$  lgdogf  
A001003 15.0235 [  $-(2*x^2-x)/(-x+1)$  revogf]  
A001003 38.1366  $x*(-1+2*x)/(-1+x)$  revogf  
A001005 20.2795 [  $-x/(-x^3-x^2-1)$  revogf]  
A001005 67.8112  $x/(1+x^2+x^3)$  revogf  
A001006 17.9413 [  $-x/(-x^2-x-1)$  revogf]  
A001006 4.78435 [ $\{(-3*n-6)*a(n+1)+(-2*n-7)*a(n+2)+(n+5)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A001006 64.0044  $x/(1+x+x^2)$  revogf  
A001014 5.75782 [  $-x*(x+1)*(x^4+56*x^3+246*x^2+56*x+1)/(x-1)^7$  ogf]  
A001014 9.07528  $-2*(32+473*x+88*x^4+718*x^3+x^5+1208*x^2)/(x^4+56*x^3+246*x^2+56*x+1)$  lgdogf  
A001015 4.89060 [  $x*(x^6+120*x^5+1191*x^4+2416*x^3+1191*x^2+120*x+1)/(x-1)^8$  ogf]  
A001015 6.86381  $-2*(64+1611*x+2682*x^4+8422*x^3+x^6+183*x^5+7197*x^2)/(-1+x)/(x^6+120*x^5+1191*x^4+2416*x^3+1191*x^2+120*x+1)$  lgdogf  
A001016 4.15397 [  $-x*(x+1)*(x^6+246*x^5+4047*x^4+11572*x^3+4047*x^2+246*x+1)/(x-1)^9$  ogf]  
A001017 3.43554 [  $x*(x^8+502*x^7+14608*x^6+88234*x^5+156190*x^4+88234*x^3+14608*x^2+502*x+1)/(x-1)^{10}$  ogf]  
A001018 19.2513 [ $\{a(n+1)-8*a(n), a(0) = 1\}$ , ogf]  
A001018 35.7525 [  $8/(-8*x+1)$  lgdogf]  
A001018 47.6700 [  $-1/(8*x-1)$  ogf]  
A001018 76.0151  $1/8*\ln(8*x+1)$  revegf  
A001018 89.8360  $-8/(-1+8*x)$  lgdogf  
A001019 12.3286 [ $\{a(n+1)-9*a(n), a(0) = 1\}$ , ogf]  
A001019 22.8959 [  $9/(-9*x+1)$  lgdogf]  
A001019 30.5279 [  $-1/(9*x-1)$  ogf]  
A001019 48.3926  $1/9*\ln(1+9*x)$  revegf  
A001019 57.1912  $-9/(-1+9*x)$  lgdogf  
A001020 13.1699 [ $\{a(n+1)-11*a(n), a(0) = 1\}$ , ogf]



A001020 23.2668 [11/(-11\*x+1) lgdogf]  
A001020 31.7275 [-1/(11\*x-1) ogf]  
A001020 45.7348 1/11\*ln(1+11\*x) revegf  
A001020 52.7709 -11/(-1+11\*x) lgdogf  
A001021 10.7435 [{a(n+1)-12\*a(n), a(0) = 1}, ogf]  
A001021 18.9801 [12/(-12\*x+1) lgdogf]  
A001021 25.8820 [-1/(12\*x-1) ogf]  
A001021 37.1894 1/12\*ln(1+12\*x) revegf  
A001021 42.9109 -12/(-1+12\*x) lgdogf  
A001022 15.5098 [{a(n+1)-13\*a(n), a(0) = 1}, ogf]  
A001022 27.4007 [13/(-13\*x+1) lgdogf]  
A001022 37.3645 [-1/(13\*x-1) ogf]  
A001022 53.9895 1/13\*ln(1+13\*x) revegf  
A001022 67.4869 -13/(13\*x-1) lgdogf  
A001023 15.8545 [{a(n+1)-14\*a(n), a(0) = 1}, ogf]  
A001023 28.0096 [14/(-14\*x+1) lgdogf]  
A001023 38.1949 [-1/(14\*x-1) ogf]  
A001023 55.2073 1/14\*ln(1+14\*x) revegf  
A001023 63.7007 -14/(-1+14\*x) lgdogf  
A001024 16.1992 [{a(n+1)-15\*a(n), a(0) = 1}, ogf]  
A001024 28.6185 [15/(-15\*x+1) lgdogf]  
A001024 39.0252 [-1/(15\*x-1) ogf]  
A001024 56.4251 1/15\*ln(1+15\*x) revegf  
A001024 65.1059 -15/(-1+15\*x) lgdogf  
A001025 16.6012 [{a(n+1)-16\*a(n), a(0) = 1}, ogf]  
A001025 29.3289 [16/(-16\*x+1) lgdogf]  
A001025 39.9939 [-1/(16\*x-1) ogf]  
A001025 57.8459 1/16\*ln(1+16\*x) revegf  
A001025 66.7452 -16/(-1+16\*x) lgdogf  
A001026 16.8310 [{a(n+1)-17\*a(n), a(0) = 1}, ogf]  
A001026 29.7348 [17/(-17\*x+1) lgdogf]  
A001026 40.5475 [-1/(17\*x-1) ogf]  
A001026 58.6578 1/17\*ln(1+17\*x) revegf  
A001026 67.6820 -17/(-1+17\*x) lgdogf  
A001027 17.2331 [{a(n+1)-18\*a(n), a(0) = 1}, ogf]  
A001027 30.4452 [18/(-18\*x+1) lgdogf]  
A001027 41.5162 [-1/(18\*x-1) ogf]  
A001027 60.0785 1/18\*ln(1+18\*x) revegf  
A001027 69.3214 -18/(-1+18\*x) lgdogf  
A001029 17.4629 [{a(n+1)-19\*a(n), a(0) = 1}, ogf]  
A001029 30.8511 [19/(-19\*x+1) lgdogf]  
A001029 42.0697 [-1/(19\*x-1) ogf]  
A001029 60.8904 1/19\*ln(1+19\*x) revegf  
A001029 70.2582 -19/(-1+19\*x) lgdogf  
A001040 6.60056 [{-a(n+1)+(-2-n)\*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 1}, ogf]  
A001044 7.28615 [{(n^2+4\*n+4)\*a(n+1)-a(n+2), a(0) = 1, a(1) = 1}, ogf]  
A001045 16.2213 [-(4\*x-1)/(-2\*x^2-x+1) lgdogf]  
A001045 21.0438 [-x/(2\*x-1)/(x+1) ogf]  
A001045 23.9986 1/4/x\*(-x-1+(9\*x^2+2\*x+1)^(1/2)) revogf  
A001045 33.3894 -(1+4\*x)/(1+x)/(-1+2\*x) lgdogf  
A001045 9.61262 [{-a(n+2)+a(n+1)+2\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A001047 16.4242 [-(12\*x-5)/(6\*x^2-5\*x+1) lgdogf]  
A001047 22.7052 -1/12\*(-1-5\*x+(1+10\*x+x^2)^(1/2))/x revogf  
A001047 24.3874 [x/(3\*x-1)/(2\*x-1) ogf]  
A001047 29.4327 -(-5+12\*x)/(3\*x-1)/(-1+2\*x) lgdogf  
A001047 9.93562 [{a(n+2)-5\*a(n+1)+6\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A001048 15.0044 [-(-x+3)/(-x^2+3\*x-2) lgdegf]  
A001048 16.0047 [-(-x-2)/(x-1)^2 egf]  
A001048 27.7105 -(-3+x)/(-1+x)/(x-2) lgdegf  
A001048 4.28698 [(-n^2-4\*n-4)\*a(n+1)+(-2\*n^2-13\*n-21)\*a(n+2)+(2\*n+6)\*a(n+3),

$a(0) = 2, a(1) = 3, a(2) = 8$ , ogf]  
A001053 6.43759 [ $\{-a(n+1)+(-n-2)*a(n+2)+a(n+3), a(0) = 1, a(1) = 0, a(2) = 1\}$ , ogf]  
A001057 15.8360 [ $-x/(x-1)/(x+1)^2$  ogf]  
A001057 16.1959 [ $-(3*x-1)/(x^2-1)$  lgdogf]  
A001057 33.8031 [ $[-1+2*x]$  ogf\_with\_Euler\_transform]  
A001057 39.4584 [ $-(3*x-1)/(-1+x)/(1+x)$  lgdogf]  
A001057 6.41998 [ $\{-a(n+3)-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = -1\}$ , ogf]  
A001060 11.4225 [ $-(3*x^2+4*x+5)/(3*x^3+5*x^2-x-2)$  lgdogf]  
A001060 16.2453 [ $-(3*x+2)/(x^2+x-1)$  ogf]  
A001060 19.3704 [ $1/2/(3+x)*(-2-x+(4+16*x+5*x^2)^{(1/2)})$  revogf]  
A001060 22.3970 [ $-(5+4*x+3*x^2)/(3*x+2)/(x^2+x-1)$  lgdogf]  
A001060 8.91510 [ $\{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 5\}$ , ogf]  
A001068 11.8036 [ $-(2+4*x+7*x^4+9*x^3+4*x^6+5*x^5+9*x^2)/(-1+x)/(1+x)/(x^2+1)/(2*x^3+x^2+x+1)$  lgdogf]  
A001068 12.3028 [ $x*(2*x^3+x^2+x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A001069 15.7200 [ $-x*(x^{14}+x^2+1)/(x-1)$  ogf]  
A001069 16.0959 [ $(-1-2*x-14*x^{13}+13*x^{14}+x^2)/(-1+x)/(1+x^{14}+x^2)$  lgdogf]  
A001075 12.1019 [ $-(-2*x^2+2*x-2)/(-2*x^3+9*x^2-6*x+1)$  lgdogf]  
A001075 17.2116 [ $-(2*x-1)/(x^2-4*x+1)$  ogf]  
A001075 23.0709 [ $-2*(1-x+x^2)/(-1+2*x)/(x^2-4*x+1)$  lgdogf]  
A001075 9.44539 [ $\{a(n+2)-4*a(n+1)+a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A001076 15.6117 [ $-(-2*x-4)/(-x^2-4*x+1)$  lgdogf]  
A001076 20.2531 [ $-x/(x^2+4*x-1)$  ogf]  
A001076 21.1311 [ $1/2/x*(-1-4*x+(1+8*x+20*x^2)^{(1/2)})$  revogf]  
A001076 36.9794 [ $-2*(x+2)/(x^2-1+4*x)$  lgdogf]  
A001076 9.25140 [ $\{-a(n+2)+4*a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A001077 13.1691 [ $(2*x-1)/(x^2+4*x-1)$  ogf]  
A001077 16.5733 [ $1/2/(x-2)*(-1-4*x+(20*x^2+1)^{(1/2)})$  revogf]  
A001077 17.0608 [ $-2*(-1-x+x^2)/(-1+2*x)/(x^2-1+4*x)$  lgdogf]  
A001077 7.22693 [ $\{-a(n+2)+4*a(n+1)+a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A001077 9.25950 [ $-(2*x^2-2*x-2)/(2*x^3+7*x^2-6*x+1)$  lgdogf]  
A001078 12.7618 [ $-(2*x-10)/(x^2-10*x+1)$  lgdogf]  
A001078 16.1309 [ $-(-1-5*x+(1+4*x)^{(1/2)}*(6*x+1)^{(1/2)})/x$  revogf]  
A001078 16.7918 [ $2*x/(x^2-10*x+1)$  ogf]  
A001078 29.9573 [ $-2*(x-5)/(x^2+1-10*x)$  lgdogf]  
A001078 7.78159 [ $\{a(n+2)-10*a(n+1)+a(n), a(0) = 0, a(1) = 2\}$ , ogf]  
A001079 12.4178 [ $-(5*x-1)/(x^2-10*x+1)$  ogf]  
A001079 15.1201 [ $-1/2*(-10*x-1+(96*x^2+1)^{(1/2)})/(x+5)$  revogf]  
A001079 15.9841 [ $-(5-2*x+5*x^2)/(5*x-1)/(x^2+1-10*x)$  lgdogf]  
A001079 6.88218 [ $\{a(n+2)-10*a(n+1)+a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A001079 8.65486 [ $-(-5*x^2+2*x-5)/(-5*x^3+51*x^2-15*x+1)$  lgdogf]  
A001080 12.2222 [ $-1/2*(-16*x-3+(14*x+3)^{(1/2)}*(6*x+1)^{(1/2)}*3^{(1/2)})/x$  revogf]  
A001080 13.1322 [ $-(2*x-16)/(x^2-16*x+1)$  lgdogf]  
A001080 17.2792 [ $3*x/(x^2-16*x+1)$  ogf]  
A001080 29.4444 [ $-2*(-8+x)/(x^2+1-16*x)$  lgdogf]  
A001080 8.00744 [ $\{a(n+2)-16*a(n+1)+a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A001081 11.5176 [ $-(8*x-1)/(x^2-16*x+1)$  ogf]  
A001081 14.4022 [ $-2*(4-x+4*x^2)/(-1+8*x)/(x^2+1-16*x)$  lgdogf]  
A001081 6.38325 [ $\{a(n+2)-16*a(n+1)+a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A001081 7.90761 [ $-(-8*x^2+2*x-8)/(-8*x^3+129*x^2-24*x+1)$  lgdogf]  
A001082 10.2440 [ $-x*(x^2+4*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A001082 11.2130 [ $-(-3*x^3-17*x^2-11*x-5)/(-x^4-4*x^3+4*x+1)$  lgdogf]  
A001082 18.1757 [ $-(x+5)*(3*x^2+2*x+1)/(-1+x)/(1+x)/(x^2+4*x+1)$  lgdogf]  
A001084 13.0555 [ $-1/2*(-20*x-3+(6*x+1)^{(1/2)}*(22*x+3)^{(1/2)}*3^{(1/2)})/x$  revogf]  
A001084 14.0155 [ $-(2*x-20)/(x^2-20*x+1)$  lgdogf]  
A001084 18.4415 [ $3*x/(x^2-20*x+1)$  ogf]  
A001084 31.4520 [ $-2*(x-10)/(x^2+1-20*x)$  lgdogf]  
A001084 8.54606 [ $\{a(n+2)-20*a(n+1)+a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A001085 13.7754 [ $-(10*x-1)/(x^2-20*x+1)$  ogf]

A001085 17.6634  $-2*(5-x+5*x^2)/(10*x-1)/(x^2+1-20*x)$  lgdogf  
A001085 7.70765  $[ \{a(n+2)-20*a(n+1)+a(n), a(0) = 1, a(1) = 10\}, ogf ]$   
A001085 9.24919  $[ -(-10*x^2+2*x-10)/(-10*x^3+201*x^2-30*x+1)$  lgdogf]  
A001090 13.0026  $[ -(2*x-8)/(x^2-8*x+1)$  lgdogf]  
A001090 13.9771  $-1/2*(-1-8*x+(10*x+1)^(1/2)*(6*x+1)^(1/2))/x$  revogf  
A001090 18.9129  $[ x/(x^2-8*x+1)$  ogf]  
A001090 30.7497  $-2*(x-4)/(x^2+1-8*x)$  lgdogf  
A001090 7.70527  $[ \{a(n+2)-8*a(n+1)+a(n), a(0) = 0, a(1) = 1\}, ogf ]$   
A001091 13.1812  $[ -(4*x-1)/(x^2-8*x+1)$  ogf]  
A001091 16.6049  $-2*(2-x+2*x^2)/(-1+4*x)/(x^2+1-8*x)$  lgdogf  
A001091 7.23360  $[ \{a(n+2)-8*a(n+1)+a(n), a(0) = 1, a(1) = 4\}, ogf ]$   
A001091 8.98720  $[ -(-4*x^2+2*x-4)/(-4*x^3+33*x^2-12*x+1)$  lgdogf]  
A001093 10.3776  $[ x*(7*x^2-2*x+1)/(x-1)^4$  ogf]  
A001093 11.6549  $[ -(-14*x^2-8*x-2)/(-7*x^3+9*x^2-3*x+1)$  lgdogf]  
A001093 20.1737  $-2*(1+4*x+7*x^2)/(-1+x)/(7*x^2-2*x+1)$  lgdogf  
A001093 3.86514  $[ \{(n+3)*a(n+4)+(-8-3*n)*a(n+3)+(1+9*n)*a(n+2)+(-14-7*n)*a(n+1),$   
 $a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 9\}, ogf ]$   
A001094 13.4009  $-2*(1-3*x+23*x^3+39*x^2)/(-1+x)/(23*x^3+3*x^2-3*x+1)$  lgdogf  
A001094 3.64698  $[ \{(n^2+5*n+6)*a(n+1)+(-2*n^2-6*n)*a(n+2)+(n^2+n-2)*a(n+3), a(0)$   
 $= 0, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 28\}, ogf ]$   
A001094 7.69038  $[ -x*(23*x^3+3*x^2-3*x+1)/(x-1)^5$  ogf]  
A001094 8.42280  $[ -(46*x^3+78*x^2-6*x+2)/(23*x^4-20*x^3-6*x^2+4*x-1)$  lgdogf]  
A001095 10.4489  $-2*(1-4*x+121*x^4+236*x^3+6*x^2)/(-1+x)/(121*x^4-4*x^3+6*x^2-4*x$   
 $+1)$  lgdogf  
A001095 6.45888  $[ x*(121*x^4-4*x^3+6*x^2-4*x+1)/(x-1)^6$  ogf]  
A001096 5.51047  $[ -x*(719*x^5+5*x^4-10*x^3+10*x^2-5*x+1)/(x-1)^7$  ogf]  
A001096 8.34104  $-2*(1-5*x+1805*x^4-10*x^3+719*x^5+10*x^2)/(-1+x)/$   
 $(719*x^5+5*x^4-10*x^3+10*x^2-5*x+1)$  lgdogf  
A001105 14.1265  $[ -2*(x+1)*x/(x-1)^3$  ogf]  
A001105 18.3002  $[ -(2*x+4)/(x^2-1)$  lgdogf]  
A001105 37.7903  $-2*(x+2)/(-1+x)/(1+x)$  lgdogf  
A001105 38.1348  $[ [4-x]$  ogf\_with\_Euler\_transform]  
A001105 7.25414  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 8\},$   
 $ogf ]$   
A001106 12.9459  $[ -x*(6*x+1)/(x-1)^3$  ogf]  
A001106 15.0595  $[ -(-12*x-9)/(-6*x^2+5*x+1)$  lgdogf]  
A001106 29.0626  $-3*(4*x+3)/(6*x+1)/(-1+x)$  lgdogf  
A001106 6.64790  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 9\},$   
 $ogf ]$   
A001107 14.3199  $[ -x*(7*x+1)/(x-1)^3$  ogf]  
A001107 16.3246  $[ -(-14*x-10)/(-7*x^2+6*x+1)$  lgdogf]  
A001107 32.1873  $-2*(7*x+5)/(7*x+1)/(-1+x)$  lgdogf  
A001107 7.28779  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 10\},$   
 $ogf ]$   
A001108 10.2742  $[ -(-2*x^3+4*x^2+14*x-8)/(-x^4+6*x^3-6*x+1)$  lgdogf]  
A001108 13.1582  $[ -(x+1)*x/(x-1)/(x^2-6*x+1)$  ogf]  
A001108 16.4552  $-2*(4-7*x+x^3-2*x^2)/(-1+x)/(1+x)/(1-6*x+x^2)$  lgdogf  
A001108 6.75694  $[ \{a(n+3)-7*a(n+2)+7*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 8\},$   
 $ogf ]$   
A001109 15.4268  $[ -(2*x-6)/(x^2-6*x+1)$  lgdogf]  
A001109 16.9989  $-1/2*(-6*x-1+(1+8*x)^(1/2)*(1+4*x)^(1/2))/x$  revogf  
A001109 22.4390  $[ x/(x^2-6*x+1)$  ogf]  
A001109 34.8072  $-2*(-3+x)/(1-6*x+x^2)$  lgdogf  
A001109 9.14180  $[ \{a(n+2)-6*a(n+1)+a(n), a(0) = 0, a(1) = 1\}, ogf ]$   
A001110 10.4679  $-2*(18-35*x+x^3-16*x^2)/(-1+x)/(1+x)/(x^2-34*x+1)$  lgdogf  
A001110 4.57234  $[ \{a(n+3)-35*a(n+2)+35*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) =$   
 $36\}, ogf ]$   
A001110 6.76944  $[ -(-2*x^3+32*x^2+70*x-36)/(-x^4+34*x^3-34*x+1)$  lgdogf]  
A001110 8.83469  $[ -(x+1)*x/(x-1)/(x^2-34*x+1)$  ogf]  
A001117 11.7420  $[ -(11*x^2-6*x+1)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A001117 12.0178  $-6*x^2*(11*x^2-12*x+3)/(-1+x)/(3*x-1)/(-1+2*x)/(11*x^2-6*x+1)$

lgdogf  
 A001117 6.66440 [ $\{a(n+3)-6*a(n+2)+11*a(n+1)-6*a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , ogf]  
 A001117 7.54845 [ $-(66*x^4-72*x^3+18*x^2)/(66*x^5-157*x^4+138*x^3-58*x^2+12*x-1)$  lgdogf]  
 A001118 5.48029 [ $-120*x^4*(-450*x^3+5+274*x^4+255*x^2-60*x)/(-1+x)/(-1+4*x)/(3*x-1)/(-1+2*x)/(5*x-1)/(274*x^4-225*x^3+85*x^2-15*x+1)$  lgdogf]  
 A001118 5.89003 [ $-(274*x^4-225*x^3+85*x^2-15*x+1)/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
 A001120 3.20046 [ $\{(2*n^2+10*n+12)*a(n+1)+(3*n^2+18*n+28)*a(n+2)+(n^2+6*n+12)*a(n+3)+(-n-4)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 33\}$ , ogf]  
 A001147 26.9616 [ $1/(-2*x+1)$  lgdegf]  
 A001147 48.8534 [ $-1/2*x*(-2+x)$  revegf]  
 A001147 57.7359 [ $-1/(-1+2*x)$  lgdegf]  
 A001147 7.35316 [ $\{(-2*n-3)*a(n+1)+a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
 A001148 11.8866 [ $-(7*x^2+2*x+1)/(x^2+1)/(x-1)$  ogf]  
 A001148 12.6340 [ $-(3+12*x+7*x^4+4*x^3-6*x^2)/(-1+x)/(x^2+1)/(7*x^2+2*x+1)$  lgdogf]  
 A001148 6.47396 [ $\{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
 A001169 10.2668 [ $-(5*x^2-4*x+2)/(-4*x^4+11*x^3-12*x^2+6*x-1)$  lgdogf]  
 A001169 11.0108 [ $(x-1)^3/(4*x^3-7*x^2+5*x-1)$  ogf]  
 A001169 18.6603 [ $(2-4*x+5*x^2)/(-1+x)/(4*x^3-7*x^2+5*x-1)$  lgdogf]  
 A001169 5.71235 [ $\{a(n+4)-5*a(n+3)+7*a(n+2)-4*a(n+1), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 19\}$ , ogf]  
 A001181 4.78597 [ $\{(-8*n^2-8*n)*a(n)+(-7*n^2-35*n-40)*a(n+1)+(n^2+9*n+20)*a(n+2), a(0) = 0, a(1) = 1\}$ , ogf]  
 A001189 3.51349 [ $\{(n^2+7*n+12)*a(n+1)+(-n^2-6*n-8)*a(n+2)+(-7-2*n)*a(n+3)+(n+3)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 9\}$ , ogf]  
 A001193 14.5418 [ $-(-x+2)/(-2*x^2+3*x-1)$  lgdegf]  
 A001193 31.1828 [ $-(x-2)/(-1+2*x)/(-1+x)$  lgdegf]  
 A001193 34.3011 [ $(-x+(1+x^2)^{1/2})*x$  revegf]  
 A001193 6.23219 [ $\{(-2*n^2-9*n-9)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
 A001194 5.14689 [ $\{(-2*n^2-11*n-12)*a(n+1)+(n+2)*a(n+2), a(0) = 3, a(1) = 9\}$ , ogf]  
 A001194 9.02685 [ $-(-3*x^2+6*x-6)/(-6*x^3+11*x^2-8*x+2)$  lgdegf]  
 A001204 7.94100 [ $(x^{10}-x^8-x^7+x^6+4*x^5+3*x^4+x^3+x^2+2*x+7)/(x-1)^2/(x^4+x^3+x^2+x+1)^2$  ogf]  
 A001205 18.3531 [ $-x^2/(2*x-2)$  lgdegf]  
 A001205 3.86380 [ $\{(-n^2-5*n-6)*a(n+1)+(-2*n-6)*a(n+3)+2*a(n+4), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
 A001205 34.1833 [ $x^2+(-2+2*x)*f(x)$  lgdegf]  
 A001224 6.92202 [ $-(2+2*x^9+8*x^7-3*x^4-4*x^3+x^{10}+4*x^8+6*x^6-2*x^5-2*x^2)/(x^2+x-1)/(x^4+x^2-1)/(x^5+x^4+x^3+2*x^2-x-1)$  lgdogf]  
 A001224 7.20315 [ $-(x^5+x^4+x^3+2*x^2-x-1)/(x^2+x-1)/(x^4+x^2-1)$  ogf]  
 A001240 11.5723 [ $-(11-72*x+108*x^2)/(6*x-1)/(3*x-1)/(-1+2*x)$  lgdogf]  
 A001240 12.7347 [ $-1/(6*x-1)/(3*x-1)/(2*x-1)$  ogf]  
 A001240 4.35374 [ $\{a(n+3)-11*a(n+2)+36*a(n+1)-36*a(n), a(0) = 1, a(1) = 11, a(2) = 85\}$ , ogf]  
 A001240 7.17448 [ $-(108*x^2-72*x+11)/(36*x^3-36*x^2+11*x-1)$  lgdogf]  
 A001241 8.31777 [ $-2*(48*x-5)*(576*x^2-120*x+5)/(6*x-1)/(-1+8*x)/(-1+12*x)/(-1+24*x)$  lgdogf]  
 A001241 9.49259 [ $1/(6*x-1)/(8*x-1)/(12*x-1)/(24*x-1)$  ogf]  
 A001242 7.32339 [ $-1/(24*x-1)/(30*x-1)/(40*x-1)/(60*x-1)/(120*x-1)$  ogf]  
 A001246 6.78081 [ $\{(16*n^2+48*n+36)*a(n+1)+(-n^2-6*n-9)*a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
 A001249 10.3510 [ $-(4*x^3+48*x^2+72*x+16)/(x^4+8*x^3-8*x-1)$  lgdogf]  
 A001249 16.2226 [ $-4*(4+18*x+x^3+12*x^2)/(-1+x)/(1+x)/(x^2+8*x+1)$  lgdogf]  
 A001249 6.31159 [ $\{(n^2+10*n+25)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 16\}$ , ogf]  
 A001249 7.39358 [ $-(x+1)*(x^2+8*x+1)/(x-1)^7$  ogf]  
 A001254 15.7056 [ $-(x^2+7*x-4)/(x+1)/(x^2-3*x+1)$  ogf]  
 A001254 16.5624 [ $-(1+14*x+x^4+14*x^3-24*x^2)/(1+x)/(x^2-3*x+1)/(x^2+7*x-4)$  lgdogf]

A001254 8.55396 [ $[-a(n+3)+2*a(n+2)+2*a(n+1)-a(n), a(0) = 4, a(1) = 1, a(2) = 9]$ , ogf]  
A001254 9.48558 [ $[-(x^4+14*x^3-24*x^2+14*x+1)/(x^5+5*x^4-20*x^3-5*x^2+15*x-4)$  lgdogf]  
A001260 14.9143 [ $[-(-1-x)/(-x+1)$  lgdegf]  
A001260 3.20737 [ $[\{(n^2+5*n+6)*a(n+1)+(n^2+2*n-3)*a(n+2)+(1-n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1\}$ , ogf]  
A001261 15.6774 [ $[-(-1-x)/(-x+1)$  lgdegf]  
A001261 3.18324 [ $[\{(n^2+5*n+6)*a(n+1)+(n^2+n-6)*a(n+2)+(-n+2)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 1\}$ , ogf]  
A001264 6.96071 [ $[-(75*x^6-31*x^5-8*x^4+48*x^3+12*x^2+3*x+1)/(x-1)/(x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A001281 10.1148 [ $[-(8*x^3+3*x^2+16*x+1)/(4*x^4+x^3-2*x^2-x-2)$  lgdogf]  
A001281 13.4311 [ $[x*(4*x^2+x+2)/(x-1)^2/(x+1)^2$  ogf]  
A001281 17.5396 [ $[-(1+16*x+8*x^3+3*x^2)/(-1+x)/(1+x)/(4*x^2+x+2)$  lgdogf]  
A001286 12.3298 [ $[-(6+6*x)/(2*x^2-x-1)$  lgdegf]  
A001286 25.2198 [ $[-6*(1+x)/(1+2*x)/(-1+x)$  lgdegf]  
A001286 5.23745 [ $[\{(-n^2-7*n-12)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 6\}$ , ogf]  
A001286 9.70216 [ $[(2*x+1)/(x-1)^4$  egf]  
A001287 26.1541 [ $[11/(-x+1)$  lgdogf]  
A001287 53.2045 [ $[-11+(1-x)*f(x)$  lgdogf]  
A001287 6.16641 [ $[-1/(x-1)^11$  ogf]  
A001287 7.15536 [ $[\{(-n-2)*a(n+2)+(12+n)*a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A001288 25.8934 [ $[12/(-x+1)$  lgdogf]  
A001288 5.60379 [ $[1/(x-1)^12$  ogf]  
A001288 52.6742 [ $[-12+(1-x)*f(x)$  lgdogf]  
A001288 7.08404 [ $[\{(-n-2)*a(n+2)+(13+n)*a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A001296 10.7223 [ $[-x*(2*x+1)/(x-1)^5$  ogf]  
A001296 16.7537 [ $[-(8*x+7)/(2*x^2-x-1)$  lgdogf]  
A001296 34.4830 [ $[-(7+8*x)/(1+2*x)/(-1+x)$  lgdogf]  
A001296 5.39715 [ $[\{(n+2)*a(n+3)+(-6+n)*a(n+2)+(-8-2*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 7\}$ , ogf]  
A001297 10.5070 [ $[-(30*x^2+60*x+15)/(6*x^3+2*x^2-7*x-1)$  lgdogf]  
A001297 18.2544 [ $[-15*(1+4*x+2*x^2)/(-1+x)/(6*x^2+8*x+1)$  lgdogf]  
A001297 3.53753 [ $[\{(n+3)*a(n+4)+(-1+7*n)*a(n+3)+(-62-2*n)*a(n+2)+(-30-6*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 15, a(3) = 90\}$ , ogf]  
A001297 6.96998 [ $[-x*(6*x^2+8*x+1)/(x-1)^7$  ogf]  
A001298 13.1147 [ $[-(31+292*x+144*x^3+478*x^2)/(-1+x)/(24*x^3+58*x^2+22*x+1)$  lgdogf]  
A001298 4.11762 [ $[\{(-11*n^2-107*n-246)*a(n+1)+(7*n^2-28*n-128)*a(n+2)+(4*n^2+15*n+14)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 31\}$ , ogf]  
A001298 5.73971 [ $[-x*(24*x^3+58*x^2+22*x+1)/(x-1)^9$  ogf]  
A001298 8.32574 [ $[-(144*x^3+478*x^2+292*x+31)/(24*x^4+34*x^3-36*x^2-21*x-1)$  lgdogf]  
A001299 23.5591 [ $[x^{24}+x^9+x^4+1$  ogf\_with\_Euler\_transform]  
A001299 4.90731 [ $[-(x^{35}+x^{30}+2*x^{25}+2*x^{20}+3*x^{15}+4*x^{10}+5*x^5+6)/(x-1)/(7*x^{35}+x^{30}-5*x^{25}-7*x^{10}-x^5+6)$  ogf]  
A001300 4.19335 [ $[(5*x^30+5*x^20-x^15+3*x^10+2*x^5+1)/(x-1)/(2*x^30+2*x^25-5*x^20+5*x^15-x^5-1)$  ogf]  
A001301 19.7081 [ $[x^{24}+x^9+x^4+x+1$  ogf\_with\_Euler\_transform]  
A001303 11.7100 [ $[-(5*x^2+50*x+50)/(x^3+7*x^2-2*x-6)$  lgdogf]  
A001303 21.6856 [ $[-5*(10+10*x+x^2)/(-1+x)/(x^2+8*x+6)$  lgdogf]  
A001303 3.78853 [ $[\{(6*n+24)*a(n+4)+(-44+2*n)*a(n+3)+(-64-7*n)*a(n+2)+(-6-n)*a(n+1), a(0) = 6, a(1) = 50, a(2) = 225, a(3) = 735\}$ , ogf]  
A001303 7.96763 [ $[-(x^2+8*x+6)/(x-1)^7$  ogf]  
A001304 11.3125 [ $[1/(x+1)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A001304 12.6563 [ $[-(2+6*x+11*x^4+6*x^3+9*x^5+6*x^2)/(-1+x)/(1+x)/(x^4+x^3+x^2+x+1)$  lgdogf]  
A001304 28.3363 [ $[x^4+x+2$  ogf\_with\_Euler\_transform]  
A001304 9.27875 [ $[-(9*x^5+11*x^4+6*x^3+6*x^2+6*x+2)/(x^6+x^5-x-1)$  lgdogf]  
A001305 19.4670 [ $[x^{19}+x^9+x^4+x+2$  ogf\_with\_Euler\_transform]  
A001307 19.1811 [ $[x^{19}+x^9+x^3+x+2$  ogf\_with\_Euler\_transform]

A001310 5.42772 [  $(x^8-x^6+x^4-x^2+1)/(2x^{20-1})/(x+1)^2/(x-1)^3$  ogf]  
A001311 7.73508 [  $-(50x^6+75x^5+96x^4+16x^3+36x^2+6x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A001318 11.6259 [  $-x(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A001318 13.0791 [  $-(3x^3+5x^2+8x+2)/(x^4+x^3-x-1)$  lgdogf]  
A001318 21.6143 [  $-(2+8x+3x^3+5x^2)/(-1+x)/(1+x)/(x^2+x+1)$  lgdogf]  
A001318 37.5134 [  $-x^2+2x+2$  ogf\_with\_Euler\_transform]  
A001333 11.7507 [  $-(x^2-2x-1)/(x^3+x^2-3x+1)$  lgdogf]  
A001333 16.7121 [  $(x-1)/(x^2+2x-1)$  ogf]  
A001333 23.0721 [  $-(-1-2x+x^2)/(-1+x)/(x^2+2x-1)$  lgdogf]  
A001333 9.17127 [  $\{-a(n+2)+2a(n+1)+a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A001338 3.71006 [  $\{-a(n)+(2n+4)a(n+1)+(-n^2-6n-8)a(n+2)+(n^2+5n+6)a(n+3), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 7/6\}$ , egf]  
A001339 14.6791 [  $-(-3+x)/(-x+1)$  lgdegf]  
A001339 38.3453 [  $-3+x+(1-x)f(x)$  lgdegf]  
A001339 4.34936 [  $\{(-n-2)a(n+1)+(n+5)a(n+2)-a(n+3), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]  
A001340 18.1149 [  $-(-4+x)/(-x+1)$  lgdegf]  
A001340 5.36738 [  $\{(-n-2)a(n+1)+(n+6)a(n+2)-a(n+3), a(0) = 2, a(1) = 8, a(2) = 38\}$ , ogf]  
A001340 59.3681 [  $(x-4)/(-1+x)$  lgdegf]  
A001341 17.5999 [  $-(-5+x)/(-x+1)$  lgdegf]  
A001341 5.13866 [  $\{(-n-2)a(n+1)+(n+7)a(n+2)-a(n+3), a(0) = 6, a(1) = 30, a(2) = 174\}$ , ogf]  
A001341 53.2318 [  $(-5+x)/(-1+x)$  lgdegf]  
A001342 17.0042 [  $-(-6+x)/(-x+1)$  lgdegf]  
A001342 4.89328 [  $\{(-n-2)a(n+1)+(n+8)a(n+2)-a(n+3), a(0) = 24, a(1) = 144, a(2) = 984\}$ , ogf]  
A001342 51.4145 [  $(-6+x)/(-1+x)$  lgdegf]  
A001343 4.56493 [  $-(x^{40}-x^{30}+x^{20}-x^{10}+1)/(x+1)^2/(x^4-x^3+x^2-x+1)^2/(x-1)^3/(x^4+x^3+x^2+x+1)^3$  ogf]  
A001344 4.22322 [  $\{(-13n^3-23n^2)a(n)+(-19n^3-97n^2-154n-66)a(n+1)+(19n^2+53n+30)a(n+2), a(0) = 2, a(1) = 5\}$ , ogf]  
A001350 11.9688 [  $-(-1-6x+x^4+4x^3+2x^5+4x^2)/(-1+x)/(1+x)/(x^2+1)/(x^2+x-1)$  lgdogf]  
A001350 12.8260 [  $x^*(x^2+1)/(x-1)/(x+1)/(x^2+x-1)$  ogf]  
A001350 8.01622 [  $-(-2x^5-x^4-4x^3-4x^2+6x+1)/(-x^6-x^5+x^4+x^2+x-1)$  lgdogf]  
A001351 7.70150 [  $x^*(x^2+3x+1)*(x^2-x+1)/(x^3-x^2-1)/(x^3+x-1)$  ogf]  
A001352 13.5560 [  $-(6x-6)/(x^3-3x^2-3x+1)$  lgdogf]  
A001352 14.3233 [  $(x+1)^2/(x^2-4x+1)$  ogf]  
A001352 25.3934 [  $-6*(-1+x)/(1+x)/(x^2-4x+1)$  lgdogf]  
A001352 7.37026 [  $\{-a(n+3)+4a(n+2)-a(n+1), a(0) = 1, a(1) = 6, a(2) = 24\}$ , ogf]  
A001353 13.4120 [  $-(2x-4)/(x^2-4x+1)$  lgdogf]  
A001353 14.7470 [  $-1/2*(-1-4x+(2x+1)^{1/2})*(6x+1)^{1/2}/x$  revogf]  
A001353 19.5084 [  $x/(x^2-4x+1)$  ogf]  
A001353 31.7060 [  $-2*(x-2)/(x^2-4x+1)$  lgdogf]  
A001353 7.94785 [  $\{a(n+2)-4a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A001354 10.0138 [  $(x^2+4x+1)/(x^2-3x+1)$  ogf]  
A001354 13.2826 [  $-7*(-1+x)*(1+x)/(x^2+4x+1)/(x^2-3x+1)$  lgdogf]  
A001354 5.15276 [  $\{-a(n+3)+3a(n+2)-a(n+1), a(0) = 1, a(1) = 7, a(2) = 21\}$ , ogf]  
A001354 7.69180 [  $-(7x^2-7)/(x^4+x^3-10x^2+x+1)$  lgdogf]  
A001360 4.78113 [  $\{a(n+3)-4a(n+2)+4a(n+1)-a(n), a(0) = 1, a(1) = 8, a(2) = 29\}$ , ogf]  
A001360 8.85685 [  $-(x^2+4x+1)/(x-1)/(x^2-3x+1)$  ogf]  
A001360 9.42065 [  $-(8-6x+x^4+8x^3-17x^2)/(-1+x)/(x^2+4x+1)/(x^2-3x+1)$  lgdogf]  
A001361 3.89461 [  $-(x^8+232x^7+7228x^6+55384x^5+133510x^4+107224x^3+24508x^2+232x+1)/(x-1)^9$  ogf]  
A001362 25.3302 [  $x^9+x^3+x+1$  ogf\_with\_Euler\_transform]  
A001362 5.95277 [  $1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x+1)^3/(x-1)^4$  ogf]

A001362 6.33048  $-(1+3*x$   
 $+17*x^{11}+20*x^9+10*x^7+2*x^4+10*x^3+x^{10}+2*x^8+2*x^6+10*x^5+2*x^2)/(-1+x)/(1+x)/($   
 $(1+x^2)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
A001365 14.8699  $[x^{23}+x^{11}+x^5+x+2$  ogf\_with\_Euler\_transform]  
A001386 13.9035  $-4*(x+3)*(3*x+1)/(-1+x)/(1+x)/(x^2+6*x+1)$  lgdogf  
A001386 6.78812  $[(x^2+6*x+1)*(x+1)^2/(x-1)^4$  ogf]  
A001386 8.71310  $[-(12*x^2+40*x+12)/(x^4+6*x^3-6*x-1)$  lgdogf]  
A001392 11.4618  $[18/(1-4*x)^{(1/2)}/(1+(1-4*x)^{(1/2)})$  lgdogf]  
A001392 19.6131  $81+(-9+36*x)*f(x)+(-x+4*x^2)*f(x)^2$  lgdogf  
A001392 5.59337  $[{(-4*n^2-46*n-132)*a(n+1)+(n^2+13*n+22)*a(n+2), a(0) = 1, a(1)$   
 $= 9}],$  ogf]  
A001399 12.0948  $[-(6*x^3+7*x^2+4*x+1)/(x^4+x^3-x-1)$  lgdogf]  
A001399 15.2776  $[-1/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A001399 18.9848  $-(1+2*x)*(3*x^2+2*x+1)/(-1+x)/(1+x)/(x^2+x+1)$  lgdogf  
A001399 29.9101  $[x^2+x+1]$  ogf\_with\_Euler\_transform]  
A001400 12.6860  $[1/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A001400 13.0345  $-(2*x^2+x+1)*(5*x^3+3*x^2+3*x+1)/(-1+x)/(1+x)/(1+x^2)/(x^2+x+1)$   
lgdogf  
A001400 25.2583  $[x^3+x^2+x+1$  ogf\_with\_Euler\_transform]  
A001401 20.4308  $[x^4+x^3+x^2+x+1$  ogf\_with\_Euler\_transform]  
A001401 7.86496  $-(3*x^4+2*x^3+3*x^2+x+1)*(5*x^5+7*x^4+7*x^3+6*x^2+4*x+1)/(-1+x)/$   
 $(1+x)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(1+x^2)$  lgdogf  
A001401 8.01620  $[-1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^5$  ogf]  
A001402 15.3528  $[x^5+x^4+x^3+x^2+x+1]$  ogf\_with\_Euler\_transform]  
A001402 6.33970  $[1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x^2+x+1)^2/(x+1)^3/$   
 $(x-1)^6$  ogf]  
A001405 11.0828  $-1/2*(8*x^2+2*x-1+(-(-1+2*x)*(1+2*x))^{(1/2)})/x/(1+2*x)/(-1+2*x)$   
lgdogf  
A001405 13.6986  $[-(x^2+x)/(-2*x^2-2*x-1)$  revogf]  
A001405 33.2485  $x*(x+1)/(1+2*x+2*x^2)$  revogf  
A001405 5.31586  $[{(-4*n-8)*a(n+1)-2*a(n+2)+(n+4)*a(n+3), a(0) = 1, a(1) = 1,$   
 $a(2) = 2}],$  ogf]  
A001421 2.79229  $[{(1728*n^3+7776*n^2+11472*n+5544)*a(n+1)+(-$   
 $n^3-6*n^2-12*n-8)*a(n+2), a(0) = 1, a(1) = 120}],$  ogf]  
A001444 10.1248  $-(2+27*x^4+18*x^3-21*x^2)/(3*x-1)/(3*x^2-1)/(3*x^2+x-1)$  lgdogf  
A001444 5.08698  $[{a(n+3)-3*a(n+2)-3*a(n+1)+9*a(n), a(0) = 1, a(1) = 2, a(2) =$   
 $6}],$  ogf]  
A001444 9.34003  $[-(3*x^2+x-1)/(3*x-1)/(3*x^2-1)$  ogf]  
A001445 4.98356  $[{a(n+3)-2*a(n+2)-2*a(n+1)+4*a(n), a(0) = 3, a(1) = 5, a(2) =$   
 $10}],$  ogf]  
A001445 9.23184  $[-(6*x^2+x-3)/(2*x-1)/(2*x^2-1)$  ogf]  
A001445 9.99660  $-(5+24*x^4+8*x^3-26*x^2)/(-1+2*x)/(2*x^2-1)/(6*x^2+x-3)$  lgdogf  
A001446 4.68388  $[{a(n+3)-4*a(n+2)-4*a(n+1)+16*a(n), a(0) = 10, a(1) = 34, a(2) =$   
 $136}],$  ogf]  
A001446 7.76573  $-(17+320*x^4+96*x^3-172*x^2)/(-1+4*x)/(1+2*x)/(-1+2*x)/$   
 $(20*x^2+3*x-5)$  lgdogf  
A001446 8.56272  $[-2*(20*x^2+3*x-5)/(2*x+1)/(2*x-1)/(4*x-1)$  ogf]  
A001447 4.67361  $[{a(n+3)-5*a(n+2)-5*a(n+1)+25*a(n), a(0) = 1, a(1) = 3, a(2) =$   
 $15}],$  ogf]  
A001447 8.26370  $-(5*x+1)*(25*x^3+15*x^2-15*x+3)/(5*x-1)/(5*x^2-1)/(5*x^2+2*x-1)$   
lgdogf  
A001447 8.59340  $[-(5*x^2+2*x-1)/(5*x-1)/(5*x^2-1)$  ogf]  
A001448 4.12313  $[{(32*n^2+96*n+70)*a(n+1)+(-2*n^2-7*n-6)*a(n+2), a(0) = 1, a(1)$   
 $= 6}],$  ogf]  
A001448 5.96641  $[(-1/4*(16*x+1)/(-1+16*x)^{(1/2)}-1/4*I)/(-1+16*x)^{(1/2)}/x$  lgdogf]  
A001448 9.53484  $6+32*x+(-1+256*x^2)*f(x)+(512*x^3+2*x-64*x^2)*f(x)^2$  lgdogf  
A001450 3.77005  $[{(3125*n^4+18750*n^3+41875*n^2+41250*n+15120)*a(n$   
 $+1)+(-108*n^4-702*n^3-1698*n^2-1812*n-720)*a(n+2), a(0) = 1, a(1) = 10}],$  ogf]  
A001451 3.29155  $[{(-3125*n^4-18750*n^3-41875*n^2-41250*n-15120)*a(n$   
 $+1)+(27*n^4+189*n^3+492*n^2+564*n+240)*a(n+2), a(0) = 1, a(1) = 20}],$  ogf]  
A001452 14.2939  $[-(x^4-x^3-x^2-x-1)/(-x+1)$  ogf\_with\_Euler\_transform]

A001453 10.5742  $12-34*x+25*x^2+(-3+20*x+20*x^3-37*x^2)*f(x)+(6*x^2+4*x^4-9*x^3-x)*f(x)^2$  lgdogf  
A001453 4.30290  $[{-4*n^2-30*n-56}*a(n+1)+(5*n^2+39*n+74)*a(n+2)+(-n^2-9*n-18)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 13]$ , ogf]  
A001453 9.44539  $[3/2*I/x/(4*x-1)^{(1/2)}-1/2*(5*x-3)/(x-1)/x$  lgdogf]  
A001459 2.59329  $[{(3125*n^4+18750*n^3+41875*n^2+41250*n+15120)*a(n+1)+(-16*n^4-112*n^3-292*n^2-336*n-144)*a(n+2), a(0) = 1, a(1) = 30}]$ , ogf]  
A001460 2.65338  $[{(-3125*n^4-18750*n^3-41875*n^2-41250*n-15120)*a(n+1)+(4*n^4+30*n^3+84*n^2+104*n+48)*a(n+2), a(0) = 1, a(1) = 60}]$ , ogf]  
A001464 150.182  $-1-x]$  lgdegf  
A001464 6.07265  $[{(n+2)*a(n+1)+a(n+3)+a(n+2), a(0) = 1, a(1) = -1, a(2) = 0}]$ , ogf]  
A001470 4.35254  $[{(-n^2-5*n-6)*a(n+1)-a(n+3)+a(n+4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3}]$ , ogf]  
A001470 58.7939  $1+x^2-f(x)$  lgdegf  
A001471 14.4175  $[1/36*x^5+1/2*x^2+1$  lgdegf]  
A001471 32.6633  $1+1/2*x^2+1/36*x^5$  lgdegf  
A001472 4.04823  $[{(-n-5)*a(n+5)+a(n+4)+a(n+3)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2/3, a(4) = 2/3}]$ , egf]  
A001472 51.3377  $-1-x-x^3+f(x)$  lgdegf  
A001475 11.2506  $[{-(-x^3-3*x^2-6*x-4)/(x^2+2*x+2)$  lgdegf]  
A001475 21.4245  $4+6*x+x^3+3*x^2+(-x^2-2-2*x)*f(x)$  lgdegf  
A001475 3.61829  $[{(n^2+6*n+8)*a(n+1)+(n^2+10*n+22)*a(n+2)+2*a(n+3)+(-n-4)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 13}]$ , ogf]  
A001477 107.950  $-2/(-1+x)$  lgdogf  
A001477 12.1558  $[{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A001477 29.8368  $[x/(x-1)^2$  ogf]  
A001477 35.1649  $[2/(-x+1)$  lgdogf]  
A001477 42.2411  $4*x/(1+(1+4*x)^{(1/2)})^2$  revogf  
A001478 115.955  $-2/(-1+x)$  lgdogf  
A001478 27.2055  $[ -1/(x-1)^2$  ogf]  
A001478 28.1771  $[2/(-x+1)$  lgdogf]  
A001478 43.4832  $-4*x/(1+(1-4*x)^{(1/2)})^2$  revogf  
A001478 9.62146  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -1, a(1) = -2}]$ , ogf]  
A001489 117.310  $-2/(-1+x)$  lgdogf  
A001489 21.5144  $[ -x/(x-1)^2$  ogf]  
A001489 28.4298  $[2/(-x+1)$  lgdogf]  
A001489 43.9913  $-4*x/(1+(1-4*x)^{(1/2)})^2$  revogf  
A001489 9.82758  $[{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = -1}]$ , ogf]  
A001496 3.66411  $[ (x^4+12*x^3+62*x^2+12*x+1)*(x+1)^2/(x-1)^{10}$  ogf]  
A001496 7.82289  $-4*(6+69*x+18*x^4+130*x^3+x^5+216*x^2)/(-1+x)/(1+x)/(x^4+12*x^3+62*x^2+12*x+1)$  lgdogf  
A001499 4.05729  $[{(-n^3-7*n^2-16*n-12)*a(n+1)+(-2*n^2-10*n-12)*a(n+2)+2*a(n+3), a(0) = 1, a(1) = 0, a(2) = 1}]$ , ogf]  
A001504 12.5566  $[-(x^2+16*x+10)/(x^3+6*x^2-6*x-1)$  lgdogf]  
A001504 13.3667  $[ -2*(x^2+7*x+1)/(x-1)^3$  ogf]  
A001504 24.6546  $-(10+16*x+x^2)/(-1+x)/(x^2+7*x+1)$  lgdogf  
A001504 7.26963  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 20, a(2) = 56}]$ , ogf]  
A001505 10.3078  $[-(x^3+65*x^2+155*x+35)/(x^4+30*x^3-30*x-1)$  lgdogf]  
A001505 16.4563  $-(35+155*x+x^3+65*x^2)/(-1+x)/(1+x)/(x^2+30*x+1)$  lgdogf  
A001505 4.25402  $[{(-14*n^2-67*n-78)*a(n+1)+(28*n^2+140*n+273)*a(n+2)+(-14*n^2-73*n-93)*a(n+3), a(0) = 6, a(1) = 210, a(2) = 990}]$ , ogf]  
A001505 9.92605  $[ 6*(x+1)*(x^2+30*x+1)/(x-1)^4$  ogf]  
A001509 15.1964  $-4*(14+73*x+x^3+37*x^2)/(-1+x)/(4*x^3+68*x^2+52*x+1)$  lgdogf  
A001509 3.96156  $[{(-335*n^2-1561*n-1782)*a(n+1)+(570*n^2+2472*n+4680)*a(n+2)+(-235*n^2-1211*n-1518)*a(n+3), a(0) = 6, a(1) = 336, a(2) = 1716}]$ , ogf]  
A001509 9.13860  $[-(4*x^3+148*x^2+292*x+56)/(4*x^4+64*x^3-16*x^2-51*x-1)$  lgdogf]  
A001509 9.80728  $[ 6*(4*x^3+68*x^2+52*x+1)/(x-1)^4$  ogf]  
A001512 10.3981  $-(126+1246*x+x^4+246*x^3+1506*x^2)/(-1+x)/(x^4+121*x^3+381*x^2+121*x+1)$  lgdogf



A001512 7.08917 [  $-24*(x^4+121*x^3+381*x^2+121*x+1)/(x-1)^5$  ogf]  
A001513 11.6547 [  $-(5*x^2+134*x+77)/(5*x^3+57*x^2-57*x-5)$  lgdogf]  
A001513 12.9706 [  $-(5*x^2+62*x+5)/(x-1)^3$  ogf]  
A001513 20.2415 [  $-(77+134*x+5*x^2)/(-1+x)/(5*x^2+62*x+5)$  lgdogf]  
A001513 6.99283 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 77, a(2) = 221\}$ , ogf]  
A001515 13.0827 [  $2*x+(-2+4*x)*f(x)+(1-4*x+4*x^2)*f(x)^2$  lgdegf]  
A001515 20.7143 [  $-1/2*\ln(1+x)*(ln(1+x)-2)$  revegf]  
A001515 9.78279 [  $(-1-(-2*x+1)^(1/2))/(2*x-1)$  lgdegf]  
A001516 3.15741 [  $\{(n^2+7*n+12)*a(n+1)+(2*n^3+15*n^2+41*n+40)*a(n+2)+(-n^2-3*n-2)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 6\}$ , ogf]  
A001517 10.6245 [  $(-2-(-4*x+1)^(1/2))/(4*x-1)$  lgdegf]  
A001517 12.8844 [  $3+4*x+(-4+16*x)*f(x)+(16*x^2+1-8*x)*f(x)^2$  lgdegf]  
A001517 27.0572 [  $-\ln(1+x)*(ln(1+x)-1)$  revegf]  
A001518 11.8777 [  $(-3-(-6*x+1)^(1/2))/(6*x-1)$  lgdegf]  
A001518 14.1002 [  $8+6*x+(-6+36*x)*f(x)+(1-12*x+36*x^2)*f(x)^2$  lgdegf]  
A001518 23.3195 [  $-1/2*\ln(1+x)*(3*ln(1+x)-2)$  revegf]  
A001519 12.2336 [  $(-2*x^2+2*x-1)/(-2*x^3+7*x^2-5*x+1)$  lgdogf]  
A001519 17.3989 [  $-(2*x-1)/(x^2-3*x+1)$  ogf]  
A001519 19.7234 [  $-1/2*(-1-3*x+(1-2*x+5*x^2)^(1/2))/(2+x)$  revogf]  
A001519 21.9775 [  $(1-2*x+2*x^2)/(-1+2*x)/(x^2-3*x+1)$  lgdogf]  
A001519 9.54817 [  $\{a(n+2)-3*a(n+1)+a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A001520 13.8011 [  $-(231+1055*x+5*x^3+437*x^2)/(-1+x)/(1+x)/(5*x^2+206*x+5)$  lgdogf]  
A001520 3.99352 [  $\{(98*n^2+475*n+558)*a(n+1)+(-196*n^2-980*n-1869)*a(n+2)+(98*n^2+505*n+633)*a(n+3), a(0) = 15, a(1) = 693, a(2) = 3315\}$ , ogf]  
A001520 9.47859 [  $3*(x+1)*(5*x^2+206*x+5)/(x-1)^4$  ogf]  
A001520 9.47859 [  $-(5*x^3+437*x^2+1055*x+231)/(5*x^4+206*x^3-206*x-5)$  lgdogf]  
A001525 5.90944 [  $\{(27*n^2+135*n+168)*a(n+1)-a(n+2), a(0) = 1, a(1) = 60\}$ , ogf]  
A001526 12.0431 [  $(-3*x^2+92*x+52)/(3*x^3+40*x^2-40*x-3)$  lgdogf]  
A001526 13.2086 [  $-2*(3*x^2+43*x+3)/(x-1)^3$  ogf]  
A001526 21.1625 [  $-(52+92*x+3*x^2)/(-1+x)/(3*x^2+43*x+3)$  lgdogf]  
A001526 7.05975 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 6, a(1) = 104, a(2) = 300\}$ , ogf]  
A001533 11.0924 [  $(-7*x^2+242*x+135)/(7*x^3+107*x^2-107*x-7)$  lgdogf]  
A001533 12.6771 [  $-(7*x^2+114*x+7)/(x-1)^3$  ogf]  
A001533 19.1220 [  $-(135+242*x+7*x^2)/(-1+x)/(7*x^2+114*x+7)$  lgdogf]  
A001533 6.88497 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 7, a(1) = 135, a(2) = 391\}$ , ogf]  
A001534 11.8933 [  $(-4*x^2+154*x+85)/(4*x^3+69*x^2-69*x-4)$  lgdogf]  
A001534 13.0260 [  $-2*(4*x^2+73*x+4)/(x-1)^3$  ogf]  
A001534 20.6662 [  $-(85+154*x+4*x^2)/(-1+x)/(4*x^2+73*x+4)$  lgdogf]  
A001534 7.07446 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 8, a(1) = 170, a(2) = 494\}$ , ogf]  
A001535 11.2159 [  $(-9*x^2+382*x+209)/(9*x^3+173*x^2-173*x-9)$  lgdogf]  
A001535 12.8182 [  $-(9*x^2+182*x+9)/(x-1)^3$  ogf]  
A001535 19.3413 [  $-(209+382*x+9*x^2)/(-1+x)/(9*x^2+182*x+9)$  lgdogf]  
A001535 6.96159 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 9, a(1) = 209, a(2) = 609\}$ , ogf]  
A001536 11.0334 [  $(-5*x^2+232*x+126)/(5*x^3+106*x^2-106*x-5)$  lgdogf]  
A001536 12.2216 [  $-2*(5*x^2+111*x+5)/(x-1)^3$  ogf]  
A001536 19.0234 [  $-(126+232*x+5*x^2)/(-1+x)/(5*x^2+111*x+5)$  lgdogf]  
A001536 6.78976 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 10, a(1) = 252, a(2) = 736\}$ , ogf]  
A001538 10.7846 [  $(-11*x^2+554*x+299)/(11*x^3+255*x^2-255*x-11)$  lgdogf]  
A001538 12.4438 [  $-(11*x^2+266*x+11)/(x-1)^3$  ogf]  
A001538 18.0546 [  $-(299+554*x+11*x^2)/(-1+x)/(11*x^2+266*x+11)$  lgdogf]  
A001538 6.91321 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 11, a(1) = 299, a(2) = 875\}$ , ogf]  
A001539 11.9825 [  $(-3*x^2+58*x+35)/(3*x^3+23*x^2-23*x-3)$  lgdogf]  
A001539 13.1421 [  $-(3*x^2+26*x+3)/(x-1)^3$  ogf]  
A001539 21.0490 [  $-(35+58*x+3*x^2)/(-1+x)/(3*x^2+26*x+3)$  lgdogf]

A001539 7.14747 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 3, a(1) = 35, a(2) = 99\}$ , ogf]  
A001540 3.16216 [ $\{(-n^2-7n-12)a(n+1)+(n^2+8n+16)a(n+3)+(-3-n)a(n+4), a(0) = 0, a(1) = 2, a(2) = 8, a(3) = 36\}$ , ogf]  
A001541 10.8536 [ $\{-(3x^2+2x-3)/(-3x^3+19x^2-9x+1) \lgdogf\}$   
A001541 15.6774 [ $\{-(3x-1)/(x^2-6x+1) \text{ ogf}\}$   
A001541 20.3807 [ $\{-(3-2x+3x^2)/(3x-1)/(1-6x+x^2) \lgdogf\}$   
A001541 8.60348 [ $\{a(n+2)-6a(n+1)+a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A001542 11.7975 [ $\{-(2x-6)/(x^2-6x+1) \lgdogf\}$   
A001542 14.2858 [ $\{-(1-3x+(2x+1)^{1/2})(1+4x)^{1/2})/x \text{ revogf}\}$   
A001542 15.3049 [ $\{2x/(x^2-6x+1) \text{ ogf}\}$   
A001542 26.5308 [ $\{-2(-3+x)/(1-6x+x^2) \lgdogf\}$   
A001542 6.99112 [ $\{a(n+2)-6a(n+1)+a(n), a(0) = 0, a(1) = 2\}$ , ogf]  
A001545 12.0145 [ $\{-(2x^2+46x+27)/(2x^3+19x^2-19x-2) \lgdogf\}$   
A001545 13.1772 [ $\{-2(2x^2+21x+2)/(x-1)^3 \text{ ogf}\}$   
A001545 21.1087 [ $\{-(27+46x+2x^2)/(-1+x)/(2x^2+21x+2) \lgdogf\}$   
A001545 7.10422 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 4, a(1) = 54, a(2) = 154\}$ , ogf]  
A001546 5.88816 [ $\{-(6435+65396x+35x^4+12660x^3+79314x^2)/(-1+x)/(35x^4+6260x^3+20178x^2+6260x+35) \lgdogf\}$   
A001546 6.61176 [ $\{-3(35x^4+6260x^3+20178x^2+6260x+35)/(x-1)^5 \text{ ogf}\}$   
A001547 12.3286 [ $\{-3(132+780x+15x^3+445x^2)/(-1+x)/(45x^3+600x^2+380x+4) \lgdogf\}$   
A001547 3.82890 [ $\{(-201n^2-927n-1050)a(n+1)+(304n^2+1158n+2090)a(n+2)+(-103n^2-525n-648)a(n+3), a(0) = 8, a(1) = 792, a(2) = 4320\}$ , ogf]  
A001547 7.97688 [ $\{-(45x^3+1335x^2+2340x+396)/(45x^4+555x^3-220x^2-376x-4) \lgdogf\}$   
A001547 9.22626 [ $\{2(45x^3+600x^2+380x+4)/(x-1)^4 \text{ ogf}\}$   
A001550 10.0798 [ $\{-(11x^2-12x+3)/(x-1)/(3x-1)/(2x-1) \text{ ogf}\}$   
A001550 5.65881 [ $\{-a(n+3)+6a(n+2)-11a(n+1)+6a(n), a(0) = 3, a(1) = 6, a(2) = 14\}$ , ogf]  
A001550 8.77877 [ $\{-2(3-22x+33x^4-72x^3+60x^2)/(-1+x)/(3x-1)/(-1+2x)/(11x^2-12x+3) \lgdogf\}$   
A001551 6.64834 [ $\{-(5-70x+1955x^4-1192x^3+600x^6-1680x^5+400x^2)/(-1+x)/(-1+4x)/(3x-1)/(-1+2x)/(5x-2)/(5x^2-5x+1) \lgdogf\}$   
A001551 8.62200 [ $\{-2(5x-2)(5x^2-5x+1)/(x-1)/(3x-1)/(2x-1)/(4x-1) \text{ ogf}\}$   
A001552 6.88578 [ $\{-(274x^4-450x^3+255x^2-60x+5)/(x-1)/(4x-1)/(3x-1)/(2x-1)/(5x-1) \text{ ogf}\}$   
A001553 5.52776 [ $\{-(7x-2)(252x^4-392x^3+203x^2-42x+3)/(x-1)/(6x-1)/(4x-1)/(3x-1)/(2x-1)/(5x-1) \text{ ogf}\}$   
A001554 4.40239 [ $\{-(13068x^6-26264x^5+20307x^4-7840x^3+1610x^2-168x+7)/(x-1)/(6x-1)/(4x-1)/(3x-1)/(2x-1)/(7x-1)/(5x-1) \text{ ogf}\}$   
A001555 3.53906 [ $\{-4(9x-2)(3044x^6-5886x^5+4299x^4-1539x^3+288x^2-27x+1)/(x-1)/(6x-1)/(4x-1)/(3x-1)/(2x-1)/(8x-1)/(7x-1)/(5x-1) \text{ ogf}\}$   
A001558 11.8221 [ $\{-24-25x+(8-27x-20x^2)*f(x)+(-7x^2-4x^3+2x)*f(x)^2 \lgdogf\}$   
A001559 12.9742 [ $\{-40-36x+(10-34x-24x^2)*f(x)+(-7x^2-4x^3+2x)*f(x)^2 \lgdogf\}$   
A001559 7.54683 [ $\{I*(x+5)/x/(x+2)/(-1+4x)^{1/2}-(3x+5)/(x+2)/x \lgdogf\}$   
A001561 13.1439 [ $\{-4(195+640x+x^3+193x^2)/(-1+x)/(4x^3+380x^2+600x+45) \lgdogf\}$   
A001561 3.82306 [ $\{(-103n^2-505n-598)a(n+1)+(304n^2+1882n+3900)a(n+2)+(-201n^2-1083n-1440)a(n+3), a(0) = 90, a(1) = 1560, a(2) = 6460\}$ , ogf]  
A001561 8.25619 [ $\{-(4x^3+772x^2+2560x+780)/(4x^4+376x^3+220x^2-555x-45) \lgdogf\}$   
A001561 9.35039 [ $\{2(4x^3+380x^2+600x+45)/(x-1)^4 \text{ ogf}\}$   
A001563 21.6373 [ $\{x/(x-1)^2 \text{ egf}\}$   
A001563 25.5011 [ $\{2/(-x+1) \lgdegf\}$   
A001563 30.6416 [ $\{4x/(1+(1+4x)^{1/2})^2 \text{ revegf}\}$   
A001563 6.43270 [ $\{(-n^2-4n-4)a(n+1)+(n+1)a(n+2), a(0) = 0, a(1) = 1\}$ , ogf]  
A001563 78.3063 [ $\{-2/(-1+x) \lgdegf\}$   
A001564 10.9412 [ $\{-(x^2-2x-3)/(-x^3+x^2-x+1) \lgdegf\}$   
A001564 12.2849 [ $\{-(x^2+1)/(x-1)^3 \text{ egf}\}$

A001564 25.4838  $-(3+2*x+x^2)/(-1+x)/(1+x^2)$  lgdegf  
A001564 3.09841  $[{(n^2+4*n+4)*a(n+1)+(-2*n^2-15*n-24)*a(n+2)+(n^2+12*n+30)*a(n+3)+(-n-4)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 14, a(3) = 78}, ogf]$   
A001565 17.5802  $-(11+9*x+x^3+3*x^2)/(-1+x)/(2+3*x+x^3)$  lgdegf  
A001565 8.39544  $[-(x^3+3*x^2+9*x+11)/(x^4-x^3+3*x^2-x-2)]$  lgdegf  
A001565 9.85552  $[(x^3+3*x+2)/(x-1)^4]$  egf  
A001570 14.5302  $[-(x-1)/(x^2-14*x+1)]$  ogf  
A001570 15.2700  $-1/2*(-1-14*x+(1+24*x+192*x^2)^(1/2))/(x+1)$  revogf  
A001570 19.8973  $-(13-2*x+x^2)/(-1+x)/(x^2-14*x+1)$  lgdogf  
A001570 7.95700  $[{a(n+2)-14*a(n+1)+a(n), a(0) = 1, a(1) = 13}, ogf]$   
A001570 9.97594  $[-(-x^2+2*x-13)/(-x^3+15*x^2-15*x+1)]$  lgdogf  
A001571 12.6894  $[x*(x-2)/(x-1)/(x^2-4*x+1)]$  ogf  
A001571 14.8651  $-(-9+20*x+2*x^3-11*x^2)/(-1+x)/(x-2)/(x^2-4*x+1)$  lgdogf  
A001571 6.51620  $[{-a(n+3)+5*a(n+2)-5*a(n+1)+a(n), a(0) = 0, a(1) = 2, a(2) = 9}, ogf]$   
A001571 8.61069  $[-(2*x^3-11*x^2+20*x-9)/(x^4-7*x^3+15*x^2-11*x+2)]$  lgdogf  
A001576 5.28082  $[{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = 3, a(1) = 7, a(2) = 21}, ogf]$   
A001576 7.96584  $-(7-56*x+112*x^4-224*x^3+170*x^2)/(-1+x)/(-1+2*x)/(-1+4*x)/(14*x^2-14*x+3)$  lgdogf  
A001576 9.40647  $[-(14*x^2-14*x+3)/(x-1)/(2*x-1)/(4*x-1)]$  ogf  
A001579 4.71123  $[{-a(n+3)+14*a(n+2)-63*a(n+1)+90*a(n), a(0) = 3, a(1) = 14, a(2) = 70}, ogf]$   
A001579 6.91322  $-2*(7-126*x+2835*x^4-2520*x^3+846*x^2)/(6*x-1)/(3*x-1)/(5*x-1)/(63*x^2-28*x+3)$  lgdogf  
A001579 8.35173  $[-(63*x^2-28*x+3)/(6*x-1)/(3*x-1)/(5*x-1)]$  ogf  
A001580 7.52177  $[-(3*x^3-2*x^2+2*x-1)/(2*x-1)/(x-1)^3]$  ogf  
A001580 9.42844  $-(3-8*x+6*x^4+4*x^3+x^2)/(-1+x)/(-1+2*x)/(3*x^3-2*x^2+2*x-1)$  lgdogf  
A001582 9.24955  $-2*(1+6*x-x^4-2*x^3+x^5+4*x^2)/(-1+x)/(1+x)/(x^4-2*x^3-7*x^2-2*x+1)$  lgdogf  
A001582 9.72972  $[-(x-1)*(x+1)/(x^4-2*x^3-7*x^2-2*x+1)]$  ogf  
A001584 10.3969  $[(x-1)*(x^2+x+1)^2/(x^4-x^3+1)/(x^4+x^3-1)]$  ogf  
A001584 9.98839  $-(-1-x+x^9-9*x^7+2*x^4+2*x^3+3*x^10-x^6+2*x^5-x^2)/(-1+x)/(x^2+x+1)/(x^4+x^3-1)/(x^4-x^3+1)$  lgdogf  
A001585 6.68414  $[(2*x^4+15*x^3-7*x^2+3*x-1)/(3*x-1)/(x-1)^4]$  ogf  
A001585 8.25103  $-2*(2-5*x+54*x^4+2*x^3+3*x^5-8*x^2)/(-1+x)/(3*x-1)/(2*x^4+15*x^3-7*x^2+3*x-1)$  lgdogf  
A001588 13.4260  $-(3-6*x+3*x^4-2*x^3+3*x^2)/(-1+x)/(3*x^2-x-1)/(x^2+x-1)$  lgdogf  
A001588 14.2072  $[-(3*x^2-x-1)/(x-1)/(x^2+x-1)]$  ogf  
A001588 7.84355  $[-(-3*x^4+2*x^3-3*x^2+6*x-3)/(-3*x^5+x^4+7*x^3-5*x^2-x+1)]$  lgdogf  
A001588 8.01044  $[{a(n+3)-2*a(n+2)+a(n), a(0) = 1, a(1) = 3, a(2) = 3}, ogf]$   
A001589 5.21681  $[-(5*x^5+38*x^4+43*x^3-17*x^2+4*x-1)/(4*x-1)/(x-1)^5]$  ogf  
A001589 6.10936  $-(5-6*x+909*x^4-166*x^3+20*x^6+384*x^5-66*x^2)/(-1+x)/(-1+4*x)/(5*x^5+38*x^4+43*x^3-17*x^2+4*x-1)$  lgdogf  
A001590 13.1560  $[-(2*x^3-2*x^2-2*x)/(x^4-2*x+1)]$  lgdogf  
A001590 13.8484  $[x*(x-1)/(x^3+x^2+x-1)]$  ogf  
A001590 21.7245  $-2*x*(-1+x^2-x)/(-1+x)/(x^3+x^2+x-1)$  lgdogf  
A001590 7.17597  $[{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 0}, ogf]$   
A001591 12.8210  $[-x^4/(x^5+x^4+x^3+x^2+x-1)]$  ogf  
A001591 16.2934  $-(1+2*x+5*x^4+4*x^3+3*x^2)/(x^2-1+x+x^4+x^3+x^5)$  lgdogf  
A001591 8.14669  $[-(-5*x^4-4*x^3-3*x^2-2*x-1)/(-x^5-x^4-x^3-x^2-x+1)]$  lgdogf  
A001592 11.5216  $[-x^5/(x^6+x^5+x^4+x^3+x^2+x-1)]$  ogf  
A001592 13.7699  $-(1+2*x+5*x^4+4*x^3+6*x^5+3*x^2)/(x^2-1+x+x^4+x^3+x^6+x^5)$  lgdogf  
A001593 5.36584  $[(4*x^6+135*x^5+289*x^4+84*x^3-36*x^2+5*x-1)/(5*x-1)/(x-1)^6]$  ogf  
A001593 6.22029  $-2*(3+6*x+10*x^7+2381*x^4-734*x^3+725*x^6+3438*x^5-69*x^2)/(-1+x)/(5*x-1)/(4*x^6+135*x^5+289*x^4+84*x^3-36*x^2+5*x-1)$  lgdogf

A001594 3.40256 [  $-(7*x^7+334*x^6+1776*x^5+1475*x^4+75*x^3-72*x^2+6*x-1)/(6*x-1)/(x-1)^7$  ogf]  
A001595 14.6190 [  $(x^2-x+1)/(x-1)/(x^2+x-1)$  ogf]  
A001595 14.6203 [  $(-1-2*x+x^4-2*x^3+5*x^2)/(-1+x)/(x^2-x+1)/(x^2+x-1)$  lgdogf]  
A001595 8.07091 [  $-(x^4-2*x^3+5*x^2-2*x-1)/(x^5-x^4-x^3+3*x^2-3*x+1)$  lgdogf]  
A001595 8.24263 [  $\{a(n+3)-2*a(n+2)+a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A001596 4.10852 [  $(6*x^8+847*x^7+8189*x^6+15777*x^5+5851*x^4-295*x^3-141*x^2+7*x-1)/(7*x-1)/(x-1)^8$  ogf]  
A001603 8.55428 [  $-(x^4+13*x^2+1)/(x-1)/(x^2-7*x+1)/(x^2-3*x+1)$  ogf]  
A001604 7.88439 [  $-(11*x^4-90*x^3+173*x^2-90*x+11)/(x-1)/(x^2-7*x+1)/(x^2-3*x+1)$  ogf]  
A001607 13.7048 [  $-(4*x+1)/(2*x^2+x+1)$  lgdogf]  
A001607 17.7792 [  $x/(2*x^2+x+1)$  ogf]  
A001607 36.4423 [  $-(1+4*x)/(2*x^2+1+x)$  lgdogf]  
A001607 8.12136 [  $\{-a(n+2)-a(n+1)-2*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A001608 14.4477 [  $(x^2-3)/(x^3+x^2-1)$  ogf]  
A001608 21.5498 [  $-x*(-4+x^3-9*x)/(x^3+x^2-1)/(x^2-3)$  lgdogf]  
A001608 8.23363 [  $\{a(n+3)-a(n+1)-a(n), a(0) = 3, a(1) = 0, a(2) = 2\}$ , ogf]  
A001608 9.57160 [  $-(x^4-9*x^2-4*x)/(x^5+x^4-3*x^3-4*x^2+3)$  lgdogf]  
A001609 11.1092 [  $-(-3*x^4-6*x-1)/(-3*x^5-4*x^3+3*x^2-x+1)$  lgdogf]  
A001609 16.3237 [  $-(3*x^2+1)/(x^3+x-1)$  ogf]  
A001609 23.0856 [  $-(1+6*x+3*x^4)/(3*x^2+1)/(x^3+x-1)$  lgdogf]  
A001609 8.50916 [  $\{a(n+3)-a(n+2)-a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A001610 15.1069 [  $-x*(x-2)/(x-1)/(x^2+x-1)$  ogf]  
A001610 18.7027 [  $-(3+2*x^3-6*x^2)/(x-2)/(-1+x)/(x^2+x-1)$  lgdogf]  
A001610 7.95956 [  $\{-a(n+3)+2*a(n+2)-a(n), a(0) = 0, a(1) = 2, a(2) = 3\}$ , ogf]  
A001610 9.73999 [  $-(-2*x^3+6*x^2-3)/(-x^4+2*x^3+2*x^2-5*x+2)$  lgdogf]  
A001611 14.4761 [  $-(2*x^2-1)/(x-1)/(x^2+x-1)$  ogf]  
A001611 15.4395 [  $-(2-4*x+2*x^4+x^2)/(-1+x)/(2*x^2-1)/(x^2+x-1)$  lgdogf]  
A001611 7.54606 [  $\{a(n+3)-2*a(n+2)+a(n), a(0) = 1, a(1) = 2, a(2) = 2\}$ , ogf]  
A001611 8.86662 [  $-(-2*x^4-x^2+4*x-2)/(-2*x^5+5*x^3-2*x^2-2*x+1)$  lgdogf]  
A001612 16.8138 [  $-(4*x-3)/(x-1)/(x^2+x-1)$  ogf]  
A001612 18.0992 [  $-(2+8*x^3-9*x^2)/(-1+x)/(4*x-3)/(x^2+x-1)$  lgdogf]  
A001612 8.04914 [  $\{-a(n+3)+2*a(n+2)-a(n), a(0) = 3, a(1) = 2, a(2) = 4\}$ , ogf]  
A001612 9.82622 [  $-(-8*x^3+9*x^2-2)/(-4*x^4+3*x^3+8*x^2-10*x+3)$  lgdogf]  
A001621 15.6406 [  $-(-3*x^2-6*x-6)/(-x^3+1)$  lgdogf]  
A001621 25.8813 [  $-3*(2+2*x+x^2)/(-1+x)/(x^2+x+1)$  lgdogf]  
A001621 32.3018 [  $[-x^2+6]$  ogf\_with\_Euler\_transform]  
A001621 4.92915 [  $\{(-3-n)*a(n+4)+6*a(n+3)+6*a(n+2)+(n+3)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 12, a(3) = 42\}$ , ogf]  
A001621 9.79892 [  $-2*x*(x^2+x+1)/(x-1)^5$  ogf]  
A001628 16.7502 [  $-(-6*x-3)/(-x^2-x+1)$  lgdogf]  
A001628 17.8669 [  $-1/(x^2+x-1)^3$  ogf]  
A001628 39.4952 [  $-3*(1+2*x)/(x^2-1+x)$  lgdogf]  
A001628 5.36007 [  $\{(n+3)*a(n+3)+(-5-n)*a(n+2)+(-7-n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A001629 15.4426 [  $x^2/(x^2+x-1)^2$  ogf]  
A001629 17.0512 [  $-(-4*x-2)/(-x^2-x+1)$  lgdogf]  
A001629 40.5591 [  $-2*(1+2*x)/(x^2-1+x)$  lgdogf]  
A001629 5.53012 [  $\{(-1-n)*a(n+3)+(n+2)*a(n+2)+(n+3)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A001630 11.1660 [  $-x^2*(x+1)/(x^4+x^3+x^2+x-1)$  ogf]  
A001630 15.2658 [  $-(2+2*x+3*x^4+6*x^3+4*x^2)/(1+x)/(x^4+x^3+x^2+x-1)$  lgdogf]  
A001630 8.37453 [  $-(3*x^4+6*x^3+4*x^2+2*x+2)/(x^5+2*x^4+2*x^3+2*x^2-1)$  lgdogf]  
A001631 11.5454 [  $(x-1)*x^2/(x^4+x^3+x^2+x-1)$  ogf]  
A001631 11.7152 [  $-(3*x^4-2*x^3-2*x^2-2*x)/(x^5-2*x+1)$  lgdogf]  
A001631 16.5207 [  $-x*(-2+3*x^3-2*x^2-2*x)/(-1+x)/(x^4+x^3+x^2+x-1)$  lgdogf]  
A001633 13.5938 [  $-x*(90*x^10-90*x^9-1)/(x-1)^2$  ogf]  
A001633 14.5919 [  $2*(1-765*x^9+360*x^10+405*x^8)/(-1+x)/(90*x^10-90*x^9-1)$  lgdogf]  
A001633 8.46145 [  $-(-720*x^10+1530*x^9-810*x^8-2)/(90*x^11-180*x^10+90*x^9-x+1)$

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lgdogf]
A001634 11.5380 [ -x*(4*x^2+3*x+2)/(x+1)/(x^3+x-1) ogf]
A001634 12.0755 -(3+12*x+13*x^4+14*x^3+8*x^5+9*x^2)/(1+x)/(4*x^2+3*x+2)/
(x^3+x-1) lgdogf
A001635 8.63441 -(3+12*x+10*x^7+18*x^4+14*x^3+17*x^6+20*x^5+24*x^2)/
(x^5+x^4+x^3+x^2-1)/(5*x^3+4*x^2+3*x+2) lgdogf
A001635 9.37409 [ -x*(5*x^3+4*x^2+3*x+2)/(x^5+x^4+x^3+x^2-1) ogf]
A001636 6.96406 -(3+12*x
+12*x^9+26*x^7+18*x^4+38*x^3+21*x^8+26*x^6+20*x^5+24*x^2)/(1+x)/
(6*x^4+5*x^3+4*x^2+3*x+2)/(x^5+x^3+x-1) lgdogf
A001636 7.76240 [ -x*(6*x^4+5*x^3+4*x^2+3*x+2)/(x+1)/(x^5+x^3+x-1) ogf]
A001637 10.3408 -(9900+30521*x-31599*x^2+81000000*x^87+5890500000*x^86)/
(58609*x^2-9000-18010*x-5355000000*x^86+5719500000*x^87-31599*x^3) lgdogf
A001637 11.3245 [ -(900*x^88+99000*x^87-27*x^2+21*x+10)/
(10800*x^88-9900*x^87-3*x^3+5*x^2-x-1) ogf]
A001638 12.3863 -(-1+9*x^4-12*x^3+x^6-9*x^2)/(-1+x)/(1+x^2)/(x^2+x+4)/(x^2-1+x)
lgdogf
A001638 13.0327 [ (x-1)*(x^2+x+4)/(x^2+1)/(x^2+x-1) ogf]
A001639 8.39931 -(1+6*x+8*x^7-7*x^4+16*x^3+5*x^8+8*x^6+6*x^5+12*x^2)/
(5*x^4+4*x^3+3*x^2+1)/(x^5+x^4+x^3+x-1) lgdogf
A001639 9.71828 [ -(5*x^4+4*x^3+3*x^2+1)/(x^5+x^4+x^3+x-1) ogf]
A001640 6.64531 -(1+6*x
+10*x^9+8*x^7+23*x^4+16*x^3+6*x^10+11*x^8+8*x^6-12*x^5+12*x^2)/
(6*x^5+5*x^4+4*x^3+3*x^2+1)/(x^6+x^5+x^4+x^3+x-1) lgdogf
A001640 8.30139 [ -(6*x^5+5*x^4+4*x^3+3*x^2+1)/(x^6+x^5+x^4+x^3+x-1) ogf]
A001641 11.2180 -(3+2*x+2*x^4-4*x^3+4*x^6+14*x^2)/(1+x)/(4*x^3+2*x+1)/(x^3-
x^2+2*x-1) lgdogf
A001641 12.9242 [ -(4*x^3+2*x+1)/(x+1)/(x^3-x^2+2*x-1) ogf]
A001642 10.1120 [ -(x+1)*(5*x^3-x^2+x+1)/(x^5+x^4+x^2+x-1) ogf]
A001642 8.30870 -(3+2*x+8*x^7-8*x^4+16*x^3+5*x^8+4*x^6-2*x^5+14*x^2)/(1+x)/
(5*x^3-x^2+x+1)/(x^5+x^4+x^2+x-1) lgdogf
A001643 6.20053 -(3+2*x
+10*x^9+8*x^7+22*x^4+16*x^3+6*x^10+11*x^8-4*x^6-20*x^5+14*x^2)/(1+x)/(x^2-x+1)/
(x^3+x^2+x-1)/(6*x^5+5*x^4+4*x^3+2*x+1) lgdogf
A001643 8.48697 [ -(6*x^5+5*x^4+4*x^3+2*x+1)/(x+1)/(x^2-x+1)/(x^3+x^2+x-1) ogf]
A001644 13.1591 [ (x+3)*(x-1)/(x^3+x^2+x-1) ogf]
A001644 15.1610 -(-1-4*x+x^4+4*x^3-8*x^2)/(-1+x)/(x+3)/(x^3+x^2+x-1) lgdogf
A001644 7.16704 [{a(n+3)-a(n+2)-a(n+1)-a(n), a(0) = 3, a(1) = 1, a(2) = 3}, ogf]
A001644 9.12168 [-(x^4+4*x^3-8*x^2-4*x-1)/(x^5+3*x^4-2*x^2-5*x+3) lgdogf]
A001645 10.0295 [ -(5*x^4+3*x^2+2*x+1)/(x^5+x^3+x^2+x-1) ogf]
A001645 9.13455 -(3+8*x-7*x^4+24*x^3+5*x^8+4*x^6-2*x^5+2*x^2)/(x^5+x^3+x^2+x-1)/
(5*x^4+3*x^2+2*x+1) lgdogf
A001648 10.1669 [ -(4*x^3+3*x^2+2*x+1)/(x^4+x^3+x^2+x-1) ogf]
A001648 10.8274 -(3+8*x+5*x^4+4*x^6+6*x^5+14*x^2)/(4*x^3+3*x^2+2*x+1)/
(x^4+x^3+x^2+x-1) lgdogf
A001649 7.38540 -(3+8*x+35*x^4+6*x^10+6*x^8-4*x^6-12*x^5+14*x^2)/(1+x)/(x^5-
x^4+2*x^3-x^2+2*x-1)/(6*x^5+4*x^3+3*x^2+2*x+1) lgdogf
A001649 8.56943 [ -(6*x^5+4*x^3+3*x^2+2*x+1)/(x+1)/(x^5-x^4+2*x^3-x^2+2*x-1)
ogf]
A001650 13.9250 [-(x^3+2*x^2+3)/(-x^3-x^2-x-1) ogf_with_Euler_transform]
A001651 12.4505 [-(x^3+3*x^2+6*x+2)/(x^4+x^3-x-1) lgdogf]
A001651 14.6956 [ (x^2+x+1)/(x+1)/(x-1)^2 ogf]
A001651 21.4497 -(2+6*x+x^3+3*x^2)/(-1+x)/(1+x)/(x^2+x+1) lgdogf
A001651 35.7359 [-x^2+x+2 ogf_with_Euler_transform]
A001651 8.00388 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 4}, ogf]
A001652 10.2018 [ x*(x-3)/(x-1)/(x^2-6*x+1) ogf]
A001652 11.9244 -2*(-10+21*x+x^3-8*x^2)/(-1+x)/(x-3)/(1-6*x+x^2) lgdogf
A001652 5.19199 [{-a(n+3)+7*a(n+2)-7*a(n+1)+a(n), a(0) = 0, a(1) = 3, a(2) =
20}, ogf]
A001652 6.76166 [-(2*x^3-16*x^2+42*x-20)/(x^4-10*x^3+28*x^2-22*x+3) lgdogf]
A001653 11.2682 [ -(-x^2+2*x-5)/(-x^3+7*x^2-7*x+1) lgdogf]

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A001653 16.0258 [  $-(x-1)/(x^2-6*x+1)$  ogf]  
A001653 17.7155  $-1/2*(-6*x-1+(32*x^2+8*x+1)^{(1/2)})/(x+1)$  revogf  
A001653 22.8587  $-(5-2*x+x^2)/(-1+x)/(1-6*x+x^2)$  lgdogf  
A001653 8.79467 [  $\{a(n+2)-6*a(n+1)+a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A001654 10.6807 [  $-(-3*x^2+4*x+2)/(-x^3+2*x^2+2*x-1)$  lgdogf]  
A001654 15.1903 [  $x/(x+1)/(x^2-3*x+1)$  ogf]  
A001654 20.4079  $-(-2-4*x+3*x^2)/(1+x)/(x^2-3*x+1)$  lgdogf  
A001654 6.15822 [  $\{-a(n+3)+2*a(n+2)+2*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A001655 16.2375 [  $1/(x^2+4*x-1)/(x^2-x-1)$  ogf]  
A001655 16.3139  $-(-3-12*x+4*x^3+9*x^2)/(x^2+4*x-1)/(x^2-x-1)$  lgdogf  
A001655 9.02081 [  $-(4*x^3+9*x^2-12*x-3)/(x^4+3*x^3-6*x^2-3*x+1)$  lgdogf]  
A001656 10.3489 [  $-1/(x-1)/(x^2+3*x+1)/(x^2-7*x+1)$  ogf]  
A001656 9.77554  $-5*(1+6*x+x^4-4*x^3-9*x^2)/(-1+x)/(x^2+3*x+1)/(x^2-7*x+1)$  lgdogf  
A001657 10.8595 [  $-1/(x^2+x-1)/(x^2+11*x-1)/(x^2-4*x-1)$  ogf]  
A001657 9.35653  $-2*(4+40*x+20*x^4-80*x^3+3*x^5-90*x^2)/(x^2+x-1)/(x^2-1+11*x)/(x^2-4*x-1)$  lgdogf  
A001658 7.59855  $-(-13-208*x-520*x^4+1040*x^3+7*x^6-78*x^5+780*x^2)/(1+x)/(x^2+7*x+1)/(x^2-3*x+1)/(x^2-18*x+1)$  lgdogf  
A001658 8.65594 [  $1/(x+1)/(x^2+7*x+1)/(x^2-3*x+1)/(x^2-18*x+1)$  ogf]  
A001662 16.9250 [  $1/2*x+1/4*\ln(2*x+1)$  revegf]  
A001670 13.2586 [  $-(-x^2-x-1)/(x^2+1)$  ogf\_with\_Euler\_transform]  
A001680 23.5194 [  $1+x+1/2*x^2$  lgdegf]  
A001680 28.4457  $(-2-2*x-x^2)*f(x)+2*f(x)^2$  lgdegf  
A001680 4.37570 [  $\{(n^2+5*n+6)*a(n+1)+(2*n+6)*a(n+2)-2*a(n+4)+2*a(n+3), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5\}$ , ogf]  
A001681 13.1792  $-6-6*x-x^3-3*x^2+(-6-6*x^2-12*x-2*x^3)*f(x)+12*f(x)^2$  lgdegf  
A001681 16.1675 [  $1+x+1/2*x^2+1/6*x^3$  lgdegf]  
A001682 6.77594 [  $x*(2*x^7+21*x^6+21*x^5+23*x^4+21*x^3+23*x^2+21*x+21)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A001687 14.5200 [  $-(5*x^4+2*x)/(x^5+x^2-1)$  lgdogf]  
A001687 19.8322 [  $-x/(x^5+x^2-1)$  ogf]  
A001687 32.3638  $-x*(2+5*x^3)/(-1+x^2+x^5)$  lgdogf  
A001688 6.60269 [  $-(-x^4-4*x^3-18*x^2-44*x-53)/(-x^5+x^4-6*x^3-2*x^2-x+9)$  lgdegf]  
A001688 7.51340 [  $-(x^4+6*x^2+8*x+9)/(x-1)^5$  egf]  
A001689 5.88779 [  $(x^5+10*x^3+20*x^2+45*x+44)/(x-1)^6$  egf]  
A001700 14.2229 [  $-(x^2+x)/(-4*x^2-4*x-1)$  revogf]  
A001700 35.8933  $x*(x+1)/(2*x+1)^2$  revogf  
A001700 7.04370 [  $\{(-4*n-10)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 3\}$ , ogf]  
A001701 14.3212  $(6+16*x+2*x^3-9*x^2)/(-1+x)/(x^5-5*x^4+9*x^3-6*x^2-x-1)$  lgdogf  
A001701 7.78951 [  $(x^5-5*x^4+9*x^3-6*x^2-x-1)/(x-1)^5$  ogf]  
A001701 8.44547 [  $-(-2*x^3+9*x^2-16*x-6)/(x^6-6*x^5+14*x^4-15*x^3+5*x^2+1)$  lgdogf]  
A001702 5.48128 [  $(x^7-7*x^6+21*x^5-34*x^4+29*x^3-7*x^2-17*x-1)/(x-1)^7$  ogf]  
A001702 8.92938  $-(-24-116*x+3*x^4-20*x^3+52*x^2)/(-1+x)/(x^7-7*x^6+21*x^5-34*x^4+29*x^3-7*x^2-17*x-1)$  lgdogf  
A001703 10.1802 [  $-3*(24000*x^{10}-24660*x^9-2670*x^8-33*x-4)/(x-1)^2$  ogf]  
A001703 8.56273  $2*(39-2*x+8400*x^9+91965*x^7-181980*x^8+9345*x^6)/(-1+x)/(24000*x^9-24660*x^8-2670*x^7+4*x-41)$  lgdogf  
A001704 12.1698 [  $-(720*x^9-810*x^8+x-12)/(x-1)^2$  ogf]  
A001704 12.3122  $(23-x+5040*x^9+6480*x^7-11340*x^8)/(-1+x)/(720*x^9-810*x^8+x-12)$  lgdogf  
A001705 5.21750 [  $\{(n^2+6*n+9)*a(n+1)+(-2*n-7)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 5\}$ , ogf]  
A001706 3.23371 [  $\{(-n^3-15*n^2-75*n-125)*a(n+1)+(3*n^2+33*n+91)*a(n+2)+(-3*n-18)*a(n+3)+a(n+4), a(0) = 1, a(1) = 9, a(2) = 71, a(3) = 580\}$ , ogf]  
A001710 13.9602 [  $1/2*(x^2-2)/(x-1)$  egf]  
A001710 21.5458  $(2-2*x+x^2)/(-1+x)/(x^2-2)$  lgdegf  
A001710 8.94328 [  $-(x^2-2*x+2)/(-x^3+x^2+2*x-2)$  lgdegf]  
A001711 4.65775 [  $\{(-n^2-10*n-25)*a(n+1)+(2*n+11)*a(n+2)-a(n+3), a(0) = 1, a(1) = 7, a(2) = 47\}$ , ogf]

A001712 3.01167 [  $\{(-n^3-18n^2-108n-216)*a(n+1)+(3n^2+39n+127)*a(n+2)+(-3n-21)*a(n+3)+a(n+4), a(0) = 1, a(1) = 12, a(2) = 119, a(3) = 1175\}$ , ogf]
  
A001715 14.7255 [  $1/(x-1)^4$  egf]
  
A001715 22.1679  $(-1+(1+3x)^{1/3})/(1+3x)^{1/3}$  revegef
  
A001715 25.7697  $[4/(-x+1)$  lgdegf]
  
A001715 78.8192  $-4/(-1+x)$  lgdegf
  
A001715 8.19944 [  $\{(-n-5)*a(n+1)+a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]
  
A001716 4.82190 [  $\{(-n^2-12n-36)*a(n+1)+(2n+13)*a(n+2)-a(n+3), a(0) = 1, a(1) = 9, a(2) = 74\}$ , ogf]
  
A001717 3.10578 [  $\{(-n^3-21n^2-147n-343)*a(n+1)+(3n^2+45n+169)*a(n+2)+(-3n-24)*a(n+3)+a(n+4), a(0) = 1, a(1) = 15, a(2) = 179, a(3) = 2070\}$ , ogf]
  
A001720 11.4752 [  $-1/(x-1)^5$  egf]
  
A001720 16.0777  $(-1+(1+4x)^{1/4})/(1+4x)^{1/4}$  revegef
  
A001720 24.1798  $[5/(-x+1)$  lgdegf]
  
A001720 57.1651  $-5/(-1+x)$  lgdegf
  
A001720 7.69358 [  $\{(-n-6)*a(n+1)+a(n+2), a(0) = 1, a(1) = 5\}$ , ogf]
  
A001721 4.47634 [  $\{(-n^2-14n-49)*a(n+1)+(2n+15)*a(n+2)-a(n+3), a(0) = 1, a(1) = 11, a(2) = 107\}$ , ogf]
  
A001722 3.21334 [  $\{(-n^3-24n^2-192n-512)*a(n+1)+(3n^2+51n+217)*a(n+2)+(-3n-27)*a(n+3)+a(n+4), a(0) = 1, a(1) = 18, a(2) = 251, a(3) = 3325\}$ , ogf]
  
A001725 10.6629  $(-1+(1+5x)^{1/5})/(1+5x)^{1/5}$  revegef
  
A001725 10.8595 [  $1/(x-1)^6$  egf]
  
A001725 24.8218  $[6/(-x+1)$  lgdegf]
  
A001725 37.9127  $-6/(-1+x)$  lgdegf
  
A001725 7.89783 [  $\{(-n-7)*a(n+1)+a(n+2), a(0) = 1, a(1) = 6\}$ , ogf]
  
A001730 16.9809  $(-1+(1+6x)^{1/6})/(1+6x)^{1/6}$  revegef
  
A001730 19.8197  $[7/(-x+1)$  lgdegf]
  
A001730 6.30626 [  $\{(-n-8)*a(n+1)+a(n+2), a(0) = 1, a(1) = 7\}$ , ogf]
  
A001730 60.3766  $-7/(-1+x)$  lgdegf
  
A001730 7.60207 [  $-1/(x-1)^7$  egf]
  
A001752 14.3189 [  $-1/(x+1)/(x-1)^5$  ogf]
  
A001752 18.5495  $[-(-6x-4)/(-x^2+1)$  lgdogf]
  
A001752 31.2753  $-2*(2+3x)/(-1+x)/(1+x)$  lgdogf
  
A001752 38.6226  $[[4+x]$  ogf\_with\_Euler\_transform]
  
A001752 6.04578 [  $\{(n+3)*a(n+3)-4*a(n+2)+(-7-n)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 11\}$ , ogf]
  
A001753 13.9066  $[-(-7x-5)/(-x^2+1)$  lgdogf]
  
A001753 28.4716  $-(7x+5)/(-1+x)/(1+x)$  lgdogf
  
A001753 28.8811  $[[5+x]$  ogf\_with\_Euler\_transform]
  
A001753 4.53251 [  $\{(n+3)*a(n+3)-5*a(n+2)+(-8-n)*a(n+1), a(0) = 1, a(1) = 5, a(2) = 16\}$ , ogf]
  
A001753 8.86796 [  $1/(x+1)/(x-1)^6$  ogf]
  
A001754 12.7983 [  $1/2*x^2/(x-1)^4$  egf]
  
A001754 24.6824  $[4/(-x+1)$  lgdegf]
  
A001754 6.06233 [  $\{(-n^2-5n-6)*a(n+1)+n*a(n+2), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]
  
A001754 76.1130  $-4/(-1+x)$  lgdegf
  
A001755 13.9566  $-20*(1+x)*(x^2+5x+1)/(-1+x)/(4x^3+18x^2+12x+1)$  lgdegf
  
A001755 6.11733 [  $(4x^3+18x^2+12x+1)/(x-1)^8$  egf]
  
A001755 6.17052 [  $\{(-n^2-11n-30)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 20\}$ , ogf]
  
A001755 8.06375  $[-(20x^3+120x^2+120x+20)/(4x^4+14x^3-6x^2-11x-1)$  lgdegf]
  
A001756 5.65616 [  $\{(-2n^2-13n-15)*a(n+1)+(n+2)*a(n+2), a(0) = 15, a(1) = 60\}$ , ogf]
  
A001756 7.62923  $[-(-5x^3+12x^2-12x+8)/(-10x^4+23x^3-21x^2+10x-2)$  lgdegf]
  
A001757 3.53333 [  $\{(-4n^3-32n^2-84n-72)*a(n+1)+(-4n-14)*a(n+2)+(n+5)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 9\}$ , ogf]
  
A001761 17.0795  $2/(1-4x)^{1/2}/(1+(1-4x)^{1/2})$  lgdegf
  
A001761 5.04547 [  $\{(4n^2+14n+12)*a(n+1)+(-n-3)*a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]
  
A001761 9.58640  $[2/(1-4x)^{1/2}/(1+(1-4x)^{1/2})$  lgdegf]
  
A001762 2.90035

$[ \{ (-162n^4 - 810n^3 - 684n^2 - 144n) * a(n) + (27n^4 + 294n^3 + 981n^2 + 1302n + 600) * a(n+1) + (-4n^3 - 30n^2 - 74n - 60) * a(n+2), a(0) = 1, a(1) = 1 \}, \text{ogf}]$   
A001763 11.5116 [hypergeom([1/3, 2/3],[3/2],27/4\*x), egf]  
A001763 18.7461  $1/27 + 2/3 * x - 1/27 * (-(-1+6*x)^3)^{1/2}$  revogf  
A001763 5.75582  $[ \{ (27n^2 + 81n + 60) * a(n+1) + (-4n - 10) * a(n+2), a(0) = 1, a(1) = 1 \}, \text{ogf}]$   
A001764 13.3195 [hypergeom([1/3, 2/3],[3/2],27/4\*x) ogf]  
A001764 33.0285  $1/2 * (1 + (1 - 4*x)^{1/2}) * x$  revogf  
A001764 6.18025  $[ \{ (-27n^2 - 81n - 60) * a(n+1) + (4n^2 + 18n + 20) * a(n+2), a(0) = 1, a(1) = 1 \}, \text{ogf}]$   
A001769 11.4665  $[ -1/(x+1)/(x-1)^7 \text{ ogf}]$   
A001769 20.0663  $[ -(-8*x-6)/(-x^2+1) \text{ lgdogf}]$   
A001769 25.8296  $-2*(4*x+3)/(-1+x)/(1+x) \text{ lgdogf}$   
A001769 41.7457 [[6+x] ogf\_with\_Euler\_transform]  
A001769 6.54013  $[ \{ (n+3) * a(n+3) - 6 * a(n+2) + (-9-n) * a(n+1), a(0) = 1, a(1) = 6, a(2) = 22 \}, \text{ogf}]$   
A001777 10.0287  $-30 * (1 + 10*x + x^4 + 10*x^3 + 20*x^2) / (-1+x) / (5*x^4 + 40*x^3 + 60*x^2 + 20*x + 1) \text{ lgdegf}$   
A001777 5.85614  $[ \{ (-n^2 - 13*n - 42) * a(n+1) + (n+2) * a(n+2), a(0) = 1, a(1) = 30 \}, \text{ogf}]$   
A001777 6.23570  $[ -(-30*x^4 - 300*x^3 - 600*x^2 - 300*x - 30) / (-5*x^5 - 35*x^4 - 20*x^3 + 40*x^2 + 19*x + 1) \text{ lgdegf}]$   
A001778 5.44469  $[ \{ (-n^2 - 15*n - 56) * a(n+1) + (n+2) * a(n+2), a(0) = 1, a(1) = 42 \}, \text{ogf}]$   
A001778 7.59020  $-42 * (1+x) * (x^4 + 14*x^3 + 36*x^2 + 14*x + 1) / (-1+x) / (6*x^5 + 75*x^4 + 200*x^3 + 150*x^2 + 30*x + 1) \text{ lgdegf}$   
A001779 12.6472  $[ -(-9*x-7)/(-x^2+1) \text{ lgdogf}]$   
A001779 25.8642  $-(7+9*x)/(-1+x)/(1+x) \text{ lgdogf}$   
A001779 26.2098 [[7+x] ogf\_with\_Euler\_transform]  
A001779 4.09174  $[ \{ (n+3) * a(n+3) - 7 * a(n+2) + (-10-n) * a(n+1), a(0) = 1, a(1) = 7, a(2) = 29 \}, \text{ogf}]$   
A001779 5.85765  $[ 1/(x+1)/(x-1)^8 \text{ ogf}]$   
A001780 13.1066  $[ -(-10*x-8)/(-x^2+1) \text{ lgdogf}]$   
A001780 25.0639  $-2*(5*x+4)/(-1+x)/(1+x) \text{ lgdogf}$   
A001780 27.7792 [[8+x] ogf\_with\_Euler\_transform]  
A001780 4.33676  $[ \{ (n+3) * a(n+3) - 8 * a(n+2) + (-11-n) * a(n+1), a(0) = 1, a(1) = 8, a(2) = 37 \}, \text{ogf}]$   
A001780 6.14374  $[ -1/(x+1)/(x-1)^9 \text{ ogf}]$   
A001781 13.1101  $[ -(-11*x-9)/(-x^2+1) \text{ lgdogf}]$   
A001781 26.2169  $-(9+11*x)/(-1+x)/(1+x) \text{ lgdogf}$   
A001781 27.7714 [[9+x] ogf\_with\_Euler\_transform]  
A001781 4.33790  $[ \{ (n+3) * a(n+3) - 9 * a(n+2) + (-12-n) * a(n+1), a(0) = 1, a(1) = 9, a(2) = 46 \}, \text{ogf}]$   
A001781 5.31491  $[ 1/(x+1)/(x-1)^{10} \text{ ogf}]$   
A001786 11.8259  $[ -(-12*x-10)/(-x^2+1) \text{ lgdogf}]$   
A001786 23.0920  $-2*(5+6*x)/(-1+x)/(1+x) \text{ lgdogf}$   
A001786 24.4132 [[10+x] ogf\_with\_Euler\_transform]  
A001786 3.94196  $[ \{ (n+3) * a(n+3) - 10 * a(n+2) + (-13-n) * a(n+1), a(0) = 1, a(1) = 10, a(2) = 56 \}, \text{ogf}]$   
A001786 4.53326  $[ -1/(x+1)/(x-1)^{11} \text{ ogf}]$   
A001787 23.7351  $[ x/(2*x-1)^2 \text{ ogf}]$   
A001787 27.9735  $[ 4/(-2*x+1) \text{ lgdogf}]$   
A001787 29.4278  $4*x/(1+(1+8*x)^{1/2})^2 \text{ revogf}$   
A001787 61.5308  $-4/(-1+2*x) \text{ lgdogf}$   
A001787 9.66984  $[ \{ a(n+2) - 4 * a(n+1) + 4 * a(n), a(0) = 0, a(1) = 1 \}, \text{ogf}]$   
A001788 14.8313  $[ -x/(2*x-1)^3 \text{ ogf}]$   
A001788 22.2469  $[ 6/(-2*x+1) \text{ lgdogf}]$   
A001788 5.56173  $[ \{ a(n+3) - 6 * a(n+2) + 12 * a(n+1) - 8 * a(n), a(0) = 0, a(1) = 1, a(2) = 6 \}, \text{ogf}]$   
A001788 55.7297  $-6/(-1+2*x) \text{ lgdogf}$   
A001789 12.7818  $[ 1/(2*x-1)^4 \text{ ogf}]$   
A001789 23.7376  $[ 8/(-2*x+1) \text{ lgdogf}]$   
A001789 59.2382  $-8/(-1+2*x) \text{ lgdogf}$



A001789 6.33002 [ $\{(-n-2)*a(n+2)+(10+2*n)*a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A001791 10.3774 [ $(-(6*x-1)/(-1+4*x)^{(1/2)}+I)/(-1+4*x)^{(1/2)}/x$  lgdogf]  
A001791 11.1814  $1/8*((1+6*x+x^2)^{(1/2)}*x+(1+6*x+x^2)^{(1/2)}-1-4*x+x^2)/x^2$  revogf  
A001791 6.34654 [ $(-4*n^2-14*n-12)*a(n+1)+(n^2+4*n+3)*a(n+2), a(0) = 0, a(1) = 1\}$ , ogf]  
A001792 16.5345 [ $(-(-2*x+3)/(-2*x^2+3*x-1)$  lgdogf]  
A001792 17.6368 [ $-(x-1)/(2*x-1)^2$  ogf]  
A001792 22.2798  $2*x/(1+4*x)^{(1/2)}/(1+(1+4*x)^{(1/2)})$  revogf  
A001792 32.4913  $(-2*x-3)/(-1+2*x)/(-1+x)$  lgdogf  
A001792 9.67871 [ $\{-a(n+2)+4*a(n+1)-4*a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A001793 12.7117 [ $(x-1)/(2*x-1)^3$  ogf]  
A001793 14.3007 [ $(-(-4*x+5)/(-2*x^2+3*x-1)$  lgdogf]  
A001793 26.9242  $(-(-5+4*x)/(-1+2*x)/(-1+x)$  lgdogf  
A001793 6.02134 [ $\{a(n+3)-6*a(n+2)+12*a(n+1)-8*a(n), a(0) = 1, a(1) = 5, a(2) = 18\}$ , ogf]  
A001794 10.1307 [ $-(x-1)/(2*x-1)^4$  ogf]  
A001794 13.5075 [ $(-(-6*x+7)/(-2*x^2+3*x-1)$  lgdogf]  
A001794 25.4132  $(-(-7+6*x)/(-1+2*x)/(-1+x)$  lgdogf  
A001794 4.26554 [ $\{(n+3)*a(n+3)+(-13-3*n)*a(n+2)+(8+2*n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 32\}$ , ogf]  
A001804 19.2727  $-3*(3+6*x+x^2)/(-1+x)/(x^2+4*x+1)$  lgdegf  
A001804 5.68225 [ $\{(-n^2-8*n-16)*a(n+1)+(n+2)*a(n+2), a(0) = 2, a(1) = 18\}$ , ogf]  
A001804 8.19971 [ $-2*(x^2+4*x+1)/(x-1)^5$  egf]  
A001804 9.96580 [ $(-3*x^2+18*x+9)/(x^3+3*x^2-3*x-1)$  lgdegf]  
A001805 13.5294  $-4*(4+18*x+x^3+12*x^2)/(-1+x)/(1+x)/(x^2+8*x+1)$  lgdegf  
A001805 5.62994 [ $\{(-n^2-10*n-25)*a(n+1)+(n+2)*a(n+2), a(0) = 6, a(1) = 96\}$ , ogf]  
A001805 6.05087 [ $-6*(x+1)*(x^2+8*x+1)/(x-1)^7$  egf]  
A001805 8.63257 [ $(-4*x^3+48*x^2+72*x+16)/(x^4+8*x^3-8*x-1)$  lgdegf]  
A001806 5.44848 [ $\{(-n^2-12*n-36)*a(n+1)+(n+2)*a(n+2), a(0) = 24, a(1) = 600\}$ , ogf]  
A001806 5.95768 [ $(-(-5*x^4-100*x^3-300*x^2-200*x-25)/(-x^5-15*x^4-20*x^3+20*x^2+15*x+1)$  lgdegf]  
A001806 9.93872  $-5*(5+40*x+x^4+20*x^3+60*x^2)/(-1+x)/(x^4+16*x^3+36*x^2+16*x+1)$  lgdegf  
A001807 5.21899 [ $\{(-n^2-14*n-49)*a(n+1)+(n+2)*a(n+2), a(0) = 120, a(1) = 4320\}$ , ogf]  
A001807 7.82013  $-6*(6+75*x+30*x^4+150*x^3+x^5+200*x^2)/(-1+x)/(1+x)/(x^4+24*x^3+76*x^2+24*x+1)$  lgdegf  
A001808 14.1087  $-803-949*x+(315+286*x-73*x^2)*f(x)+(-22+22*x^2)*f(x)^2$  lgdogf  
A001808 16.8581 [ $(-(-13*x-11)/(-x^2+1)$  lgdogf]  
A001808 34.8975 [[11+x] ogf\_with\_Euler\_transform]  
A001808 5.49982 [ $1/(x+1)/(x-1)^{12}$  ogf]  
A001808 5.61938 [ $\{(n+3)*a(n+3)-11*a(n+2)+(-14-n)*a(n+1), a(0) = 1, a(1) = 11, a(2) = 67\}$ , ogf]  
A001809 15.8167 [ $-1/2*x^2/(x-1)^3$  egf]  
A001809 23.1601 [ $3/(-x+1)$  lgdegf]  
A001809 5.68845 [ $\{(-n^2-4*n-4)*a(n+1)+n*a(n+2), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A001809 62.9103  $-3/(-1+x)$  lgdegf  
A001810 14.0286 [ $1/6*x^3/(x-1)^4$  egf]  
A001810 26.0530 [ $4/(-x+1)$  lgdegf]  
A001810 5.48485 [ $\{(-n^2-4*n-4)*a(n+1)+(-1+n)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A001810 80.7105  $-4/(-1+x)$  lgdegf  
A001811 5.65507 [ $\{(-n^2-12*n-36)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 25\}$ , ogf]  
A001811 6.07788 [ $(-(-5*x^4-100*x^3-300*x^2-200*x-25)/(-x^5-15*x^4-20*x^3+20*x^2+15*x+1)$  lgdegf]  
A001812 5.85422 [ $(-(-6*x^5-180*x^4-900*x^3-1200*x^2-450*x-36)/(-x^6-24*x^5-75*x^4+75*x^2+24*x+1)$  lgdegf]  
A001812 6.00694 [ $\{(-n^2-14*n-49)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 36\}$ , ogf]  
A001812 8.70817  $-6*(6+75*x+30*x^4+150*x^3+x^5+200*x^2)/(-1+x)/(1+x)/$

$(x^4+24x^3+76x^2+24x+1)$  lgdegf  
A001813 19.4277  $[2/(-4x+1)$  lgdegf]  
A001813 48.4221  $-2/(-1+4x)$  lgdegf  
A001813 59.1826  $-x*(-1+x)$  revegf  
A001813 6.18155  $[{(-4n-6)*a(n+1)+a(n+2), a(0) = 1, a(1) = 2}]$ , ogf]  
A001814 10.9795  $[-(12x+12)/(8x^2+2x-1)$  lgdegf]  
A001814 20.6878  $-12*(1+x)/(1+2x)/(-1+4x)$  lgdegf  
A001814 4.77368  $[{(-4n^2-22n-30)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 12}]$ , ogf]  
A001815 16.4145  $[-2x^2/(2x-1)^3$  ogf]  
A001815 26.9666  $[6/(-2x+1)$  lgdogf]  
A001815 6.80240  $[{a(n+3)-6a(n+2)+12a(n+1)-8a(n), a(0) = 0, a(1) = 0, a(2) = 2}]$ , ogf]  
A001815 63.3665  $-6/(-1+2x)$  lgdogf  
A001816 11.8537  $[-12/(2x-1)^5$  ogf]  
A001816 25.7510  $[10/(-2x+1)$  lgdogf]  
A001816 6.91463  $[{(-n-2)*a(n+2)+(12+2n)*a(n+1), a(0) = 12, a(1) = 120}]$ , ogf]  
A001816 61.1587  $-10/(-1+2x)$  lgdogf  
A001818 6.71710  $[{(4n^2+12n+9)*a(n+1)-a(n+2), a(0) = 1, a(1) = 1}]$ , ogf]  
A001819 2.81880  $[{(n^3+6n^2+12n+8)*a(n+1)+(-2n^2-10n-13)*a(n+2)+(n+3)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 5/2}]$ , egf]  
A001823 10.4293  $-(259+1876x+3x^4+340x^3+2002x^2)/(-1+x)/$   
 $(x^4+84x^3+350x^2+196x+9)$  lgdogf  
A001823 4.04793  $[{(-2n^2-13n-21)*a(n+1)+(74n^2+685n+1647)*a(n+2)+(-72n^2-252n-216)*a(n+3), a(0) = 0, a(1) = 9, a(2) = 259}]$ , ogf]  
A001823 6.23779  $[-x*(x^4+84x^3+350x^2+196x+9)/(x-1)^7$  ogf]  
A001824 2.89269  $[{(-16n^4-160n^3-600n^2-1000n-625)*a(n+1)+(8n^3+64n^2+170n+148)*a(n+2)+(-n^2-5n-6)*a(n+3), a(0) = 1, a(1) = 10, a(2) = 259/2}]$ , egf]  
A001834 11.7597  $[-(x^2+2x-5)/(x^3-3x^2-3x+1)$  lgdogf]  
A001834 16.7249  $[(x+1)/(x^2-4x+1)$  ogf]  
A001834 17.6093  $-1/2*(-1-4x+(1+12x+12x^2)^{1/2})/(-1+x)$  revogf  
A001834 23.8577  $-(-5+2x+x^2)/(1+x)/(x^2-4x+1)$  lgdogf  
A001834 9.17830  $[{-a(n+2)+4a(n+1)-a(n), a(0) = 1, a(1) = 5}]$ , ogf]  
A001835 14.1631  $[-(3x-1)/(x^2-4x+1)$  ogf]  
A001835 15.6116  $-1/2*(-1-4x+(1-4x+12x^2)^{1/2})/(3+x)$  revogf  
A001835 18.3666  $-(-1-2x+3x^2)/(3x-1)/(x^2-4x+1)$  lgdogf  
A001835 7.77241  $[{a(n+2)-4a(n+1)+a(n), a(0) = 1, a(1) = 1}]$ , ogf]  
A001835 9.80520  $[-(3x^2+2x-1)/(-3x^3+13x^2-7x+1)$  lgdogf]  
A001839 8.74483  $-$   
 $(-1-3x-9x^9-7x^7-4x^4-13x^3+4x^{10}-11x^8-5x^6-16x^5-7x^2)/(-1+x)/(1+x)/$   
 $(x^2+x+1)/(x^2-x+1)/(x^5-2x^4-2x^3-1)$  lgdogf  
A001839 9.70532  $[x^2*(x^5-2x^4-2x^3-1)/(x^2+x+1)/(x^2-x+1)/(x+1)^2/(x-1)^3$  ogf]  
A001840 14.8794  $[-x/(x^2+x+1)/(x-1)^3$  ogf]  
A001840 16.3102  $[-(5x^2-2x-2)/(-x^3+1)$  lgdogf]  
A001840 26.9644  $-(2+2x+5x^2)/(-1+x)/(x^2+x+1)$  lgdogf  
A001840 33.7829  $[[x^2+2]$  ogf\_with\_Euler\_transform]  
A001840 5.20324  $[{(n+3)*a(n+4)-2a(n+3)-2a(n+2)+(-5-n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3}]$ , ogf]  
A001841 4.22817  $[-(x^5+2x^4+2x^3+2x^2+2x+3)/(x^2+x+1)/(x^2-x+1)/(x+1)^2/(x-1)^3$  ogf]  
A001844 13.4540  $[-(x+1)^2/(x-1)^3$  ogf]  
A001844 18.6521  $[-(x+5)/(x^2-1)$  lgdogf]  
A001844 38.8682  $[[5-2x]$  ogf\_with\_Euler\_transform]  
A001844 41.1358  $-(x+5)/(-1+x)/(1+x)$  lgdogf  
A001844 7.26278  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 13}]$ , ogf]  
A001845 17.4383  $[-(x+7)/(x^2-1)$  lgdogf]  
A001845 36.2867  $[[7-3x]$  ogf\_with\_Euler\_transform]  
A001845 39.6069  $-(7+x)/(-1+x)/(1+x)$  lgdogf

A001845 5.68361 [ $\{(-n-3)*a(n+3)+7*a(n+2)+(n+2)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 25\}$ , ogf]  
A001845 9.96477 [ $(x+1)^3/(x-1)^4$  ogf]  
A001846 18.2187 [ $-(x+9)/(x^2-1)$  lgdogf]  
A001846 37.8829 [[ $9-4*x$ ] ogf\_with\_Euler\_transform]  
A001846 41.4306 [ $-(x+9)/(-1+x)/(1+x)$  lgdogf]  
A001846 5.93796 [ $\{(-n-3)*a(n+3)+9*a(n+2)+(n+2)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 41\}$ , ogf]  
A001846 8.43815 [ $-(x+1)^4/(x-1)^5$  ogf]  
A001847 17.6318 [ $-(x+11)/(x^2-1)$  lgdogf]  
A001847 35.7598 [[ $11-5*x$ ] ogf\_with\_Euler\_transform]  
A001847 38.9663 [ $-(x+11)/(-1+x)/(1+x)$  lgdogf]  
A001847 5.79147 [ $\{(-n-3)*a(n+3)+11*a(n+2)+(n+2)*a(n+1), a(0) = 1, a(1) = 11, a(2) = 61\}$ , ogf]  
A001847 6.95992 [ $(x+1)^5/(x-1)^6$  ogf]  
A001848 17.6368 [ $-(x+13)/(x^2-1)$  lgdogf]  
A001848 35.7447 [[ $13-6*x$ ] ogf\_with\_Euler\_transform]  
A001848 38.9896 [ $-(13+x)/(-1+x)/(1+x)$  lgdogf]  
A001848 5.79309 [ $\{(-n-3)*a(n+3)+13*a(n+2)+(n+2)*a(n+1), a(0) = 1, a(1) = 13, a(2) = 85\}$ , ogf]  
A001848 6.01253 [ $-(x+1)^6/(x-1)^7$  ogf]  
A001849 17.3839 [ $-(x+15)/(x^2-1)$  lgdogf]  
A001849 35.2036 [[ $15-7*x$ ] ogf\_with\_Euler\_transform]  
A001849 38.4336 [ $-(15+x)/(-1+x)/(1+x)$  lgdogf]  
A001849 5.21517 [ $(x+1)^7/(x-1)^8$  ogf]  
A001849 5.66867 [ $\{(-n-3)*a(n+3)+15*a(n+2)+(n+2)*a(n+1), a(0) = 1, a(1) = 15, a(2) = 113\}$ , ogf]  
A001850 14.0444 [ $-(x-3)/(x^2-6*x+1)$  lgdogf]  
A001850 34.8204 [ $-(-3+x)/(1-6*x+x^2)$  lgdogf]  
A001850 4.43507 [ $\{(-n-3)*a(n+3)+(15+6*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 13\}$ , ogf]  
A001859 12.5214 [ $-(-3*x^2-10*x-5)/(-x^3-2*x^2+x+2)$  lgdogf]  
A001859 14.2788 [ $-x*(x+2)/(x+1)/(x-1)^3$  ogf]  
A001859 23.5910 [ $-(5+10*x+3*x^2)/(-1+x)/(x+2)/(1+x)$  lgdogf]  
A001859 4.13142 [ $\{(-6-2*n)*a(n+4)+(3-n)*a(n+3)+(12+2*n)*a(n+2)+(n+3)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 5, a(3) = 10\}$ , ogf]  
A001860 13.2757 [ $-(12+22*x+8*x^4+21*x^3+33*x^2)/(-1+x)/(x^2+x+1)/(2*x^2+3*x+3)$  lgdogf]  
A001860 8.21169 [ $-(-8*x^4-21*x^3-33*x^2-22*x-12)/(-2*x^5-3*x^4-3*x^3+2*x^2+3*x+3)$  lgdogf]  
A001860 9.22662 [ $x*(2*x^2+3*x+3)/(x^2+x+1)/(x-1)^4$  ogf]  
A001861 17.2583 [ $(-n-2)*a(n+2)+a(n+1), a(0)=2, a(1)=2$  lgdegf]  
A001861 26.4026 [ $2*\exp(x)$  lgdegf]  
A001862 31.3660 [ $-\exp(x)*(x*\exp(-x)-1-x)$  lgdegf]  
A001862 7.97967 [ $(-1/(x+1)*x*\exp(-x)+1)*(exp(x)*x+exp(x))$  lgdegf]  
A001870 18.1428 [ $-(5-7*x+3*x^2)/(-1+x)/(x^2-3*x+1)$  lgdogf]  
A001870 9.55605 [ $-(-3*x^2+7*x-5)/(-x^3+4*x^2-4*x+1)$  lgdogf]  
A001870 9.86431 [ $-(x-1)/(x^2-3*x+1)^2$  ogf]  
A001871 13.4234 [ $1/(x^2-3*x+1)^2$  ogf]  
A001871 13.9827 [ $-(4*x-6)/(x^2-3*x+1)$  lgdogf]  
A001871 29.9153 [ $-2*(2*x-3)/(x^2-3*x+1)$  lgdogf]  
A001871 4.41559 [ $\{(-n-3)*a(n+3)+(12+3*n)*a(n+2)+(-5-n)*a(n+1), a(0) = 1, a(1) = 6, a(2) = 25\}$ , ogf]  
A001872 15.3814 [ $-(-8*x-4)/(-x^2-x+1)$  lgdogf]  
A001872 36.2286 [ $-4*(1+2*x)/(x^2-1+x)$  lgdogf]  
A001872 4.88946 [ $\{(n+3)*a(n+3)+(-6-n)*a(n+2)+(-9-n)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 14\}$ , ogf]  
A001872 9.11491 [ $1/(x^2+x-1)^4$  ogf]  
A001873 14.2354 [ $-280-560*x+(31-106*x-56*x^2)*f(x)+(-5*x^2+5-5*x)*f(x)^2$  lgdogf]  
A001873 16.2589 [ $-(-10*x-5)/(-x^2-x+1)$  lgdogf]  
A001873 5.24136 [ $\{(n+3)*a(n+3)+(-7-n)*a(n+2)+(-11-n)*a(n+1), a(0) = 1, a(1) = 5,$

$a(2) = 20$ }, ogf]  
A001873 7.73482  $[-1/(x^2+x-1)^5$  ogf]  
A001874 12.5076  $-2016-4032*x+(186-636*x-336*x^2)*f(x)+(-25*x^2+25-25*x)*f(x)^2$  lgdogf  
A001874 16.1036  $[-(12*x-6)/(-x^2-x+1)$  lgdogf]  
A001874 5.19130  $[{(n+3)*a(n+3)+(-8-n)*a(n+2)+(-13-n)*a(n+1), a(0) = 1, a(1) = 6, a(2) = 27}$ }, ogf]  
A001874 6.52131  $[1/(x^2+x-1)^6$  ogf]  
A001875 12.4916  $-2744-5488*x+(217-742*x-392*x^2)*f(x)+(-25*x^2+25-25*x)*f(x)^2$  lgdogf  
A001875 16.0806  $[-(14*x-7)/(-x^2-x+1)$  lgdogf]  
A001875 5.18387  $[{(n+3)*a(n+3)+(-9-n)*a(n+2)+(-15-n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 35}$ }, ogf]  
A001875 5.51013  $[-1/(x^2+x-1)^7$  ogf]  
A001879 10.0825  $-3366-1683*x+(1365-159*x-1122*x^2)*f(x)+(268*x^2-134+134*x)*f(x)^2$  lgdegf  
A001879 14.1088  $[-(3*x+6)/(2*x^2+x-1)$  lgdegf]  
A001879 5.94054  $[{(-2*n^2-11*n-15)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 6}$ }, ogf]  
A001880 16.7493  $-15*(2+6*x+x^2)/(-1+2*x)/(3*x^2+12*x+2)$  lgdegf  
A001880 5.78074  $[{(-2*n^2-15*n-28)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 15}$ }, ogf]  
A001880 9.77625  $[-(15*x^2+90*x+30)/(6*x^3+21*x^2-8*x-2)$  lgdegf]  
A001881 15.9979  $-21*(2+10*x+5*x^2)/(-1+2*x)/(15*x^2+20*x+2)$  lgdegf  
A001881 6.08235  $[{(-2*n^2-17*n-36)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 21}$ }, ogf]  
A001881 9.71486  $[-(105*x^2+210*x+42)/(30*x^3+25*x^2-16*x-2)$  lgdegf]  
A001882 10.1515  $-(3+10*x-14*x^4-16*x^3+2*x^6+12*x^5+9*x^2)/(x^3+3*x^2-3*x-2)/(2*x^4-4*x^2+1)$  lgdogf  
A001882 12.0882  $[-(x^3+3*x^2-3*x-2)/(2*x^4-4*x^2+1)$  ogf]  
A001891 10.5002  $[-(-3*x^3-5*x^2+4)/(-x^4-x^3+2*x^2+x-1)$  lgdogf]  
A001891 12.2771  $[-(x+1)*x/(x^2+x-1)/(x-1)^2$  ogf]  
A001891 19.6795  $-(-4+3*x^3+5*x^2)/(-1+x)/(1+x)/(x^2+x-1)$  lgdogf  
A001891 4.40891  $[{(2*n+7)*a(n+1)+2*a(n+2)+(-4*n-12)*a(n+3)+(2*n+5)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 10}$ }, ogf]  
A001900 3.21865  $[{(-n^3-7*n^2-16*n-12)*a(n+1)+(-n^3-11*n^2-41*n-50)*a(n+2)-2*a(n+3)+(n+4)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 16}$ }, ogf]  
A001903 11.8866  $[-(3*x^2+6*x+1)/(x^2+1)/(x-1)$  ogf]  
A001903 12.6340  $-(-7+4*x+3*x^4+12*x^3-6*x^2)/(-1+x)/(1+x^2)/(3*x^2+6*x+1)$  lgdogf  
A001903 6.47396  $[{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 7, a(2) = 9}$ }, ogf]  
A001906 16.6692  $[-(2*x-3)/(x^2-3*x+1)$  lgdogf]  
A001906 19.2638  $-1/2*(-1-3*x+(x+1)^(1/2)*(1+5*x)^(1/2))/x$  revogf  
A001906 24.2461  $[x/(x^2-3*x+1)$  ogf]  
A001906 39.4909  $-(2*x-3)/(x^2+1-3*x)$  lgdogf  
A001906 9.87802  $[{a(n+2)-3*a(n+1)+a(n), a(0) = 0, a(1) = 1}$ }, ogf]  
A001907 16.2583  $[-(-3-4*x)/(-4*x+1)$  lgdegf]  
A001907 29.0777  $-3-4*x+(1-4*x)*f(x)$  lgdegf  
A001907 4.78186  $[{(-4*n-8)*a(n+1)+(-4*n-11)*a(n+2)+a(n+3), a(0) = 1, a(1) = 3, a(2) = 25}$ }, ogf]  
A001908 17.3422  $[-(-4-5*x)/(-5*x+1)$  lgdegf]  
A001908 35.9014  $-4-5*x+(1-5*x)*f(x)$  lgdegf  
A001908 5.06342  $[{(-5*n-10)*a(n+1)+(-5*n-14)*a(n+2)+a(n+3), a(0) = 1, a(1) = 4, a(2) = 41}$ }, ogf]  
A001909 6.37899  $[{a(n)*n+(n+4)*a(n+1)-a(n+2), a(0) = 0, a(1) = 1}$ }, ogf]  
A001910 6.61096  $[{a(n)*n+(n+5)*a(n+1)-a(n+2), a(0) = 0, a(1) = 1}$ }, ogf]  
A001911 15.1806  $[(x+1)*x/(x-1)/(x^2+x-1)$  ogf]  
A001911 18.3254  $-(-3+2*x^3+3*x^2)/(-1+x)/(1+x)/(x^2+x-1)$  lgdogf  
A001911 7.99839  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 0, a(1) = 1, a(2) = 3}$ }, ogf]  
A001911 9.78750  $[-(-2*x^4-3-3*x^2+3)/(x^4-x^3+2*x^2+x-1)$  lgdogf]  
A001919 11.4523  $[-(-18*x^2+50*x-40)/(-3*x^3+11*x^2-14*x+6)$  lgdogf]  
A001919 19.9032  $-2*(20-25*x+9*x^2)/(-1+x)/(3*x^2-8*x+6)$  lgdogf

A001919 3.81744 [ $\{(-6*n-24)*a(n+4)+(82+14*n)*a(n+3)+(-72-11*n)*a(n+2)+(21+3*n)*a(n+1), a(0) = 6, a(1) = 40, a(2) = 155, a(3) = 456\}$ , ogf]  
A001919 7.45482 [ $(3*x^2-8*x+6)/(x-1)^8$  ogf]  
A001920 8.94384  $-6*x*(253+506*x^2+x^4+1288*x)/(1+759*x^2+2576*x^3+759*x^4+x^6)$  lgdogf  
A001920 9.01092 [ $1/(x^6+759*x^4+2576*x^3+759*x^2+1)$  ogf]  
A001921 11.1290 [ $x*(x-7)/(x-1)/(x^2-14*x+1)$  ogf]  
A001921 12.7015  $-2*(-52+105*x+x^3-18*x^2)/(-1+x)/(x-7)/(x^2-14*x+1)$  lgdogf  
A001921 5.70965 [ $\{-a(n+3)+15*a(n+2)-15*a(n+1)+a(n), a(0) = 0, a(1) = 7, a(2) = 104\}$ , ogf]  
A001921 7.29567 [ $-(2*x^3-36*x^2+210*x-104)/(x^4-22*x^3+120*x^2-106*x+7)$  lgdogf]  
A001922 11.9919 [ $(7*x-1)/(x-1)/(x^2-14*x+1)$  ogf]  
A001922 5.68582 [ $\{a(n+3)-15*a(n+2)+15*a(n+1)-a(n), a(0) = 1, a(1) = 8, a(2) = 105\}$ , ogf]  
A001922 7.41073 [ $-(14*x^3-108*x^2+30*x-8)/(7*x^4-106*x^3+120*x^2-22*x+1)$  lgdogf]  
A001922 9.46185  $-2*(-4+15*x+7*x^3-54*x^2)/(-1+x)/(7*x-1)/(x^2-14*x+1)$  lgdogf  
A001924 14.4854 [ $-(4*x^2+x-3)/(x^3-2*x+1)$  lgdogf]  
A001924 16.5548 [ $-x/(x^2+x-1)/(x-1)^2$  ogf]  
A001924 25.8152  $-(1+x)*(4*x-3)/(-1+x)/(x^2+x-1)$  lgdogf  
A001924 4.53175 [ $\{(-3-n)*a(n+4)+(7+2*n)*a(n+3)-a(n+2)+(-n-4)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 7\}$ , ogf]  
A001925 17.0136  $-2*(-3-x+3*x^3+4*x^2)/(-1+x)/(1+x)/(x^2+x-1)$  lgdogf  
A001925 3.48157 [ $\{(-n^2-11*n-28)*a(n+1)-n*a(n+2)+(2*n^2+17*n+33)*a(n+3)+(-n^2-7*n-12)*a(n+4), a(0) = 1, a(1) = 6, a(2) = 22, a(3) = 64\}$ , ogf]  
A001925 8.97015 [ $-(x+1)/(x^2+x-1)^2/(x-1)^3$  ogf]  
A001925 9.53079 [ $-(6*x^3-8*x^2+2*x+6)/(-x^4-x^3+2*x^2+x-1)$  lgdogf]  
A001926 17.0816  $-(-9-2*x+8*x^3+11*x^2)/(-1+x)/(1+x)/(x^2+x-1)$  lgdogf  
A001926 6.46509 [ $-(x+1)^2/(x^2+x-1)^3/(x-1)^4$  ogf]  
A001926 9.65773 [ $-(8*x^3+11*x^2-2*x-9)/(x^4+x^3-2*x^2-x+1)$  lgdogf]  
A001932 10.8304  $-(3-4*x+15*x^4+10*x^3+4*x^5-12*x^2)/(-1+2*x)/(x+2)/(x^2+x-1)/(x^2+2*x-1)$  lgdogf  
A001932 12.1568 [ $-x*(x+2)*(2*x-1)/(x^2+x-1)/(x^2+2*x-1)$  ogf]  
A001934 17.6668 [ $-(2*x+4)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A001935 17.1558 [ $-(x^2-x-1)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A001936 15.2927 [ $-(2*x^2-2*x-2)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A001937 16.6743 [ $-(3*x^2-3*x-3)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A001938 13.4768 [ $-(4*x-4)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A001939 15.9786 [ $-(-5*x^2-5*x-5)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A001940 15.2559 [ $-(-6*x^2-6*x-6)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A001941 15.2329 [ $-(-7*x^2-7*x-7)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A001945 7.44362  $-(-1-4*x+2*x^9+8*x^7-5*x^4-24*x^3+7*x^8+14*x^6+14*x^5-18*x^2)/(x^3+x^2-1)/(x^3-x-1)/(x^4+2*x^3+x^2+2*x+1)$  lgdogf  
A001945 7.55363 [ $x*(x^4+2*x^3+x^2+2*x+1)/(x^3+x^2-1)/(x^3-x-1)$  ogf]  
A001946 14.8512 [ $(11*x-2)/(x^2+11*x-1)$  ogf]  
A001946 17.1506  $-(-11-4*x+11*x^2)/(-2+11*x)/(x^2-1+11*x)$  lgdogf  
A001946 8.30958 [ $\{-a(n+2)+11*a(n+1)+a(n), a(0) = 2, a(1) = 11\}$ , ogf]  
A001946 9.97150 [ $-(11*x^2-4*x-11)/(11*x^3+119*x^2-33*x+2)$  lgdogf]  
A001947 10.7310 [ $-(4*x^2-6*x-29)/(4*x^3+41*x^2-37*x+3)$  lgdogf]  
A001947 15.6299 [ $(4*x-3)/(x^2+11*x-1)$  ogf]  
A001947 16.4417  $1/2/(-4+x)*(-3-11*x+(9+50*x+125*x^2)^(1/2))$  revogf  
A001947 19.1079  $-(-29-6*x+4*x^2)/(4*x-3)/(x^2-1+11*x)$  lgdogf  
A001947 8.55923 [ $\{-a(n+2)+11*a(n+1)+a(n), a(0) = 3, a(1) = 29\}$ , ogf]  
A001949 14.9701 [ $-(-6*x^5+2)/(-x^6+2*x-1)$  lgdogf]  
A001949 18.6210  $-2*(-1+3*x^5)/(-1+x)/(x^5+x^4+x^3+x^2+x-1)$  lgdogf  
A001949 23.5892 [ $x^5/(x-1)/(x^5+x^4+x^3+x^2+x-1)$  ogf]  
A001955 7.09161 [ $(2*x^9+x^8+x^7+2*x^6+x^5+x^4+2*x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A001957 5.88354 [ $-x*(x^25-x^24-x^9-2*x^8-x^7-x^6-2*x^5-x^4-x^3-x^2-2*x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A001958 5.84036 [ $-(x^26-x^25-3*x^10-5*x^9-4*x^8-4*x^7-5*x^6-4*x^5-4*x^4-4*x^3-5*x^2-4*x-1)/(x+1)/$

$(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A001971 10.0112 [  $-x^2*(x^2-x+1)/(x+1)/(x^2+1)/(x-1)^3$  ogf]  
A001971 13.3766  $-(1+2*x-3*x^4+6*x^3+4*x^5+2*x^2)/(-1+x)/(1+x)/(1+x^2)/(x^2-x+1)$  lgdogf  
A001971 20.6714 [ $-x^5+x^3+x^2+x+1$  ogf\_with\_Euler\_transform]  
A001972 14.0675 [ $-(6*x^3+2*x^2+2*x+2)/(x^4-1)$  lgdogf]  
A001972 14.8079 [  $-1/(x+1)/(x^2+1)/(x-1)^3$  ogf]  
A001972 19.7081  $-a(n+4)+a(n), a(0)=2, a(1)=2, a(2)=2, a(3)=6$  lgdogf  
A001972 33.6204 [ $[x^3+2]$  ogf\_with\_Euler\_transform]  
A001973 17.0966 [ $-x^5+2*x^2+2*x+1$  ogf\_with\_Euler\_transform]  
A001973 7.37777 [  $(x^2-x+1)/(x+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A001973 7.47484 [ $-(-5*x^5-x^4-5*x^3-7*x^2-5*x-1)/(-x^6+1)$  lgdogf]  
A001973 8.78305  $-(1+5*x+7*x^2+5*x^3+x^4+5*x^5)/(-1+x)/(1+x)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A001978 4.04471 [  $x*(x^6+2*x^5+2*x^4+x^3+2*x^2+2*x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x+1)^3/(x-1)^6$  ogf]  
A001993 12.2020  $-(3*x^2+2*x+1)*(5*x^3+2*x^2+4*x+1)/(-1+x)/(1+x)/(1+x^2)/(x^2+x+1)$  lgdogf  
A001993 25.2010 [ $x^3+2*x^2+2*x+1$  ogf\_with\_Euler\_transform]  
A001993 6.85393 [  $1/(x^2+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^6$  ogf]  
A001994 20.3946 [ $x^4+x^3+x^2+2*x+1$  ogf\_with\_Euler\_transform]  
A001994 5.83773 [  $1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^3/(x-1)^6$  ogf]  
A001994 7.30147  $-(1+7*x+17*x^9+58*x^7+53*x^4+35*x^3+35*x^8+68*x^6+69*x^5+17*x^2)/(-1+x)/(1+x)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(1+x^2)$  lgdogf  
A001996 14.3420 [ $x*(x^5+x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A001996 4.51193 [  $1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^6$  ogf]  
A001998 10.8235 [  $-(6*x^3-4*x^2-2*x+1)/(x-1)/(3*x-1)/(3*x^2-1)$  ogf]  
A001998 6.01303 [  $\{-a(n+4)+4*a(n+3)-12*a(n+1)+9*a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 10\}$ , ogf]  
A001998 8.02053  $-2*(1-4*x-3*x^4+18*x^3+27*x^6-36*x^5-x^2)/(-1+x)/(3*x-1)/(3*x^2-1)/(6*x^3-4*x^2-2*x+1)$  lgdogf  
A002001 10.6341 [  $\{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 3\}$ , ogf]  
A002001 20.6934 [  $(x-1)/(4*x-1)$  ogf]  
A002001 21.2682 [  $-3/(-4*x^2+5*x-1)$  lgdogf]  
A002001 23.5194  $1/2+2*x-1/2*(1+4*x+16*x^2)^{(1/2)}$  revogf  
A002001 44.2718  $3/(-1+4*x)/(-1+x)$  lgdogf  
A002002 8.30165  $-1/2*(2*(8*x^2+8*x+1)^{(1/2)}*x+(8*x^2+8*x+1)^{(1/2)}-1-6*x-6*x^2)/x/(x+1)$  revogf  
A002003 10.7861  $-(2*(2*x^2+2*x+1)^{(1/2)}*x+(2*x^2+2*x+1)^{(1/2)}-1-3*x-3*x^2)/x/(x+1)$  revogf  
A002003 3.50202 [  $\{(n^2+n)*a(n)+(-7*n^2-13*n-6)*a(n+1)+(7*n^2+29*n+30)*a(n+2)+(-n^2-5*n-6)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 8\}$ , ogf]  
A002011 24.1881 [  $6/(-4*x+1)$  lgdogf]  
A002011 6.38930 [  $\{(-n-2)*a(n+2)+(10+4*n)*a(n+1), a(0) = 4, a(1) = 24\}$ , ogf]  
A002011 60.4294  $-6/(-1+4*x)$  lgdogf  
A002017 108.603  $\cos(x)$  lgdegf  
A002017 31.4406 [ $\cos(x)$  lgdegf]  
A002018 5.11207 [  $\{(-n^3-3*n^2-2*n)*a(n)+(2*n^2+8*n+8)*a(n+1)-2*a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A002019 18.1599 [  $-1/(-x^2-1)$  lgdegf]  
A002019 40.1835  $-1+(1+x^2)*f(x)$  lgdegf  
A002019 5.69722 [  $\{(n^2+n)*a(n)+a(n+2)-a(n+1), a(0) = 1, a(1) = 1\}$ , ogf]  
A002020 5.20093 [  $\{(n^2+n)*a(n)+a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1\}$ , ogf]  
A002023 13.6901 [  $\{a(n+1)-4*a(n), a(0) = 6\}$ , ogf]  
A002023 25.4244 [  $4/(-4*x+1)$  lgdogf]  
A002023 28.4753 [  $-6/(4*x-1)$  ogf]  
A002023 29.1321  $-1/4*\ln(3)+1/4*\ln(2*x+3)$  revegf  
A002023 63.5610  $-4/(-1+4*x)$  lgdogf

A002024 25.0799  $[-(2+x)/(-x-1) \text{ ogf\_with\_Euler\_transform}]$   
A002026 13.7741  $[-2/x+2*I/x/(x+1)^{(1/2)}/(3*x-1)^{(1/2)} \text{ lgdogf}]$   
A002026 5.10726  $[{(3*n^2+15*n+18)*a(n+1)+(2*n^2+13*n+21)*a(n+2)+(-n^2-8*n-12)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 2}, \text{ ogf}]$   
A002041 14.9022  $-2*(3-x+40*x^3-36*x^2)/(-1+x)/(1+2*x)/(-1+2*x)/(5*x-1) \text{ lgdogf}$   
A002041 16.0313  $[-1/(x-1)/(2*x+1)/(2*x-1)/(5*x-1) \text{ ogf}]$   
A002041 9.73329  $[-(80*x^3-72*x^2-2*x+6)/(20*x^4-24*x^3-x^2+6*x-1) \text{ lgdogf}]$   
A002042 13.8123  $[{a(n+1)-4*a(n), a(0) = 7}, \text{ ogf}]$   
A002042 25.6514  $[4/(-4*x+1) \text{ lgdogf}]$   
A002042 28.7296  $[-7/(4*x-1) \text{ ogf}]$   
A002042 29.3970  $-1/4*\ln(7)+1/4*\ln(7+4*x) \text{ revegf}$   
A002042 64.1388  $-4/(-1+4*x) \text{ lgdogf}$   
A002054 5.80968  $[{(-4*n^2-26*n-42)*a(n+1)+(n^2+7*n+10)*a(n+2), a(0) = 1, a(1) = 5}, \text{ ogf}]$   
A002055 3.32881  $[{(4*n^2+30*n+56)*a(n+1)+(7*n^2+77*n+216)*a(n+2)+(-2*n^2-20*n-42)*a(n+3), a(0) = 1, a(1) = 9, a(2) = 56}, \text{ ogf}]$   
A002057 12.1636  $[8/(1-4*x)^{(1/2)}/(1+(1-4*x)^{(1/2)}) \text{ lgdogf}]$   
A002057 18.2016  $8/(1-4*x)^{(1/2)}/(1+(1-4*x)^{(1/2)}) \text{ lgdogf}$   
A002057 5.93345  $[{(-4*n^2-26*n-42)*a(n+1)+(n^2+8*n+12)*a(n+2), a(0) = 1, a(1) = 4}, \text{ ogf}]$   
A002058 5.25953  $[{(-4*n^2-34*n-72)*a(n+1)+(n^2+9*n+14)*a(n+2), a(0) = 2, a(1) = 14}, \text{ ogf}]$   
A002058 7.85761  $[(-1/2*(24*x-5)/(-1+4*x)^{(1/2)}+5/2*I)/x/(-1+4*x)^{(1/2)} \text{ lgdogf}]$   
A002059 3.15668  $[{(-8*n^2-76*n-180)*a(n+1)+(-34*n^2-432*n-1400)*a(n+2)+(9*n^2+108*n+243)*a(n+3), a(0) = 3, a(1) = 32, a(2) = 225}, \text{ ogf}]$   
A002061 13.6479  $[-(3*x^2-2*x-1)/(3*x^3+5*x^2-3*x+1) \text{ lgdogf}]$   
A002061 14.3191  $[-(3*x^2-2*x+1)/(x-1)^3 \text{ ogf}]$   
A002061 24.5024  $-(1+2*x+3*x^2)/(-1+x)/(3*x^2-2*x+1) \text{ lgdogf}$   
A002061 7.79879  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 3}, \text{ ogf}]$   
A002062 12.2584  $[x*(3*x-2)/(x^2+x-1)/(x-1)^2 \text{ ogf}]$   
A002062 17.4607  $-(3-5*x+9*x^3-5*x^2)/(3*x-2)/(-1+x)/(x^2+x-1) \text{ lgdogf}$   
A002062 4.55313  $[{-a(n)*n-a(n+1)+(2*n-1)*a(n+2)+(-n+1)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 3, a(3) = 5, a(4) = 7}, \text{ ogf}]$   
A002062 9.95998  $[-(9*x^3+5*x^2+5*x-3)/(-3*x^4+2*x^3+6*x^2-7*x+2) \text{ lgdogf}]$   
A002063 13.8123  $[{a(n+1)-4*a(n), a(0) = 9}, \text{ ogf}]$   
A002063 25.6514  $[4/(-4*x+1) \text{ lgdogf}]$   
A002063 28.7296  $[-9/(4*x-1) \text{ ogf}]$   
A002063 29.3970  $-1/2*\ln(3)+1/4*\ln(4*x+9) \text{ revegf}$   
A002063 64.1388  $-4/(-1+4*x) \text{ lgdogf}$   
A002064 12.4975  $[-(2*x^2-2*x+1)/(x-1)/(2*x-1)^2 \text{ ogf}]$   
A002064 14.6786  $-(3+6*x+4*x^3-6*x^2)/(-1+x)/(-1+2*x)/(1+2*x^2-2*x) \text{ lgdogf}$   
A002064 6.80666  $[{a(n+3)-5*a(n+2)+8*a(n+1)-4*a(n), a(0) = 1, a(1) = 3, a(2) = 9}, \text{ ogf}]$   
A002064 9.29690  $[-(4*x^3-6*x^2+6*x-3)/(4*x^4-10*x^3+10*x^2-5*x+1) \text{ lgdogf}]$   
A002066 13.8515  $[{a(n+1)-4*a(n), a(0) = 10}, \text{ ogf}]$   
A002066 26.2189  $[4/(-4*x+1) \text{ lgdogf}]$   
A002066 28.2358  $[-10/(4*x-1) \text{ ogf}]$   
A002066 30.0591  $-1/4*\ln(5)+1/4*\ln(5+2*x) \text{ revegf}$   
A002066 65.5834  $-4/(-1+4*x) \text{ lgdogf}$   
A002081 11.5199  $[2*(2*x^3+2*x^2+1)/(x^2+1)/(x-1)^2 \text{ ogf}]$   
A002081 13.9794  $-2*(1+x+3*x^4-x^3+x^5+5*x^2)/(-1+x)/(1+x^2)/(1+2*x^3+2*x^2) \text{ lgdogf}$   
A002081 4.26880  $[{(-n-3)*a(n+1)+(n+2)*a(n+2)+(-n-3)*a(n+3)+(n+2)*a(n+4), a(0) = 2, a(1) = 4, a(2) = 8, a(3) = 16}, \text{ ogf}]$   
A002081 8.66963  $[-(2*x^5+6*x^4-2*x^3+10*x^2+2*x+2)/(2*x^6+x^3-3*x^2+x-1) \text{ lgdogf}]$   
A002089 13.8515  $[{a(n+1)-4*a(n), a(0) = 11}, \text{ ogf}]$   
A002089 26.2189  $[4/(-4*x+1) \text{ lgdogf}]$   
A002089 27.7468  $-1/4*\ln(11)+1/4*\ln(11+4*x) \text{ revegf}$   
A002089 28.2358  $[-11/(4*x-1) \text{ ogf}]$   
A002089 65.5834  $-4/(-1+4*x) \text{ lgdogf}$

A002104 3.12956  $[ \{ (-n-2)*a(n+1)+(2*n+6)*a(n+2)+(-n-5)*a(n+3)+a(n+4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 8 \}, \text{ogf}]$   
A002107 22.5878  $[ 2/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A002119 11.8394  $[ (-2+(4*x+1)^{(1/2)})/(4*x+1) \text{lgdegf}]$   
A002119 15.3683  $[ 3-4*x+(4+16*x)*f(x)+(1+8*x+16*x^2)*f(x)^2 \text{lgdegf}]$   
A002119 33.1632  $[ \ln(1+x)*(\ln(1+x)+1) \text{revegf}]$   
A002135 14.5419  $[ -(-x^2+2)/(2*x-2) \text{lgdegf}]$   
A002135 33.0253  $[ 1/2*(-2+x^2)/(-1+x) \text{lgdegf}]$   
A002135 4.15484  $[ \{ (n^2+5*n+6)*a(n+1)+(-2*n-8)*a(n+3)+2*a(n+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5 \}, \text{ogf}]$   
A002136 18.1003  $[ -(-x^2+4)/(2*x-2) \text{lgdegf}]$   
A002136 35.6306  $[ 1/2*(x-2)*(x+2)/(-1+x) \text{lgdegf}]$   
A002136 5.10522  $[ \{ (n^2+5*n+6)*a(n+1)+(-2*n-10)*a(n+3)+2*a(n+4), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 23 \}, \text{ogf}]$   
A002137 15.4637  $[ -(-x^2+2*x)/(2*x-2) \text{lgdegf}]$   
A002137 22.3665  $[ (-2*x*x^2)*f(x)+(2-2*x)*f(x)^2 \text{lgdegf}]$   
A002137 3.63851  $[ \{ (n^2+5*n+6)*a(n+1)+(-2*n-6)*a(n+2)+(-2*n-6)*a(n+3)+2*a(n+4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 1 \}, \text{ogf}]$   
A002171 19.7210  $[ -(4*x+2)/(-x^2+1) \text{ogf\_with\_Euler\_transform}]$   
A002175 11.5205  $[ -(2*x^4+2*x+2)/(-x^5-x^4-x^3-x^2-x-1) \text{ogf\_with\_Euler\_transform}]$   
A002203 12.2336  $[ -(x^2-2*x-1)/(x^3+x^2-3*x+1) \text{lgdogf}]$   
A002203 17.3989  $[ 2*(x-1)/(x^2+2*x-1) \text{ogf}]$   
A002203 24.0379  $[ -(-1-2*x+x^2)/(-1+x)/(x^2+2*x-1) \text{lgdogf}]$   
A002203 9.54817  $[ \{-a(n+2)+2*a(n+1)+a(n), a(0) = 2, a(1) = 2\}, \text{ogf}]$   
A002212 10.2227  $[ 1/2*x+1/2-1/2*(5*x^2-2*x+1)^{(1/2)} \text{revogf}]$   
A002212 18.2016  $[ 1/2+1/2*x-1/2*(1-2*x+5*x^2)^{(1/2)} \text{revogf}]$   
A002212 9.24079  $[ 1/2*((5*x-1)^{(1/2)}*(-1+x)^{(1/2)+1-x})/x/(-1+x)^{(3/2)}/(5*x-1)^{(1/2)} \text{lgdogf}]$   
A002248 8.02617  $[ -2*(2-9*x-8*x^4-8*x^3+8*x^5+16*x^2)/(-1+x)/(-1+2*x)/(2*x^2-1)/(2*x^2-x+1) \text{lgdogf}]$   
A002248 9.22122  $[ -2*(2*x^2-1)/(2*x-1)/(x-1)/(2*x^2-x+1) \text{ogf}]$   
A002249 10.4326  $[ -(2*x^2-8*x+1)/(2*x^3-5*x^2+3*x-2) \text{lgdogf}]$   
A002249 14.8375  $[ -(x-2)/(2*x^2-x+1) \text{ogf}]$   
A002249 22.7097  $[ -(1-8*x+2*x^2)/(x-2)/(2*x^2-x+1) \text{lgdogf}]$   
A002249 8.14252  $[ \{ a(n+2)-a(n+1)+2*a(n), a(0) = 2, a(1) = 1 \}, \text{ogf}]$   
A002250 12.8146  $[ (5*x-1)/(4*x-1)/(3*x-1) \text{ogf}]$   
A002250 13.6357  $[ -2*(1-12*x+30*x^2)/(-1+4*x)/(3*x-1)/(5*x-1) \text{lgdogf}]$   
A002250 14.6584  $[ 1/2/((-5+12*x)*(-1+7*x+(1+6*x+x^2)^{(1/2)})) \text{revogf}]$   
A002250 7.10207  $[ \{-a(n+2)+7*a(n+1)-12*a(n), a(0) = -1, a(1) = -2\}, \text{ogf}]$   
A002250 8.54307  $[ -(60*x^2-24*x+2)/(60*x^3-47*x^2+12*x-1) \text{lgdogf}]$   
A002264 16.4901  $[ -(4*x^2+x+1)/(x^3-1) \text{lgdogf}]$   
A002264 20.9143  $[ x^3/(x^2+x+1)/(x-1)^2 \text{ogf}]$   
A002264 29.4191  $[ -(1+x+4*x^2)/(-1+x)/(x^2+x+1) \text{lgdogf}]$   
A002264 34.1945  $[ [x^2+1] \text{ogf\_with\_Euler\_transform}]$   
A002265 14.5337  $[ -(5*x^3+x^2+x+1)/(x^4-1) \text{lgdogf}]$   
A002265 20.7625  $[ -a(n+4)+a(n), a(0)=1, a(1)=1, a(2)=1, a(3)=5 \text{lgdogf}]$   
A002265 21.2689  $[ x^4/(x+1)/(x^2+1)/(x-1)^2 \text{ogf}]$   
A002265 34.7808  $[ [x^3+1] \text{ogf\_with\_Euler\_transform}]$   
A002266 12.8016  $[ -(6*x^4+x^3+x^2+x+1)/(x^5-1) \text{lgdogf}]$   
A002266 19.4429  $[ -(1+x+x^2+x^3+6*x^4)/(-1+x)/(x^4+x^3+x^2+x+1) \text{lgdogf}]$   
A002266 21.2320  $[ x^5/(x^4+x^3+x^2+x+1)/(x-1)^2 \text{ogf}]$   
A002266 34.7250  $[ [x^4+1] \text{ogf\_with\_Euler\_transform}]$   
A002275 13.7003  $[ -(20*x-11)/(10*x^2-11*x+1) \text{lgdogf}]$   
A002275 18.0329  $[ -1/20*(-11*x-1+(81*x^2+22*x+1)^{(1/2)})/x \text{revogf}]$   
A002275 20.3548  $[ x/(10*x-1)/(x-1) \text{ogf}]$   
A002275 26.0476  $[ -(-11+20*x)/(10*x-1)/(-1+x) \text{lgdogf}]$   
A002275 8.58335  $[ \{ a(n+2)-11*a(n+1)+10*a(n), a(0) = 0, a(1) = 1 \}, \text{ogf}]$   
A002276 12.2710  $[ -(20*x-11)/(10*x^2-11*x+1) \text{lgdogf}]$   
A002276 12.6732  $[ -1/20*(-2-11*x+(4+44*x+81*x^2)^{(1/2)})/x \text{revogf}]$   
A002276 16.3613  $[ 2*x/(10*x-1)/(x-1) \text{ogf}]$   
A002276 18.3057  $[ -(-11+20*x)/(10*x-1)/(-1+x) \text{lgdogf}]$



A002276 7.68783 [ $\{a(n+2)-11a(n+1)+10a(n), a(0) = 0, a(1) = 2\}$ , ogf]  
A002277 10.5160  $-1/20*(-3-11*x+(3+22*x+27*x^2)^{(1/2)}*3^{(1/2)})/x$  revogf  
A002277 12.8955 [ $3*x/(10*x-1)/(x-1)$  ogf]  
A002277 18.3057  $-(-11+20*x)/(10*x-1)/(-1+x)$  lgdogf  
A002277 6.05933 [ $\{a(n+2)-11a(n+1)+10a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A002277 9.67162 [ $-(20*x-11)/(10*x^2-11*x+1)$  lgdogf]  
A002278 12.3563  $-1/20*(-4-11*x+(16+88*x+81*x^2)^{(1/2)})/x$  revogf  
A002278 12.8955 [ $4*x/(10*x-1)/(x-1)$  ogf]  
A002278 18.3057  $-(-11+20*x)/(10*x-1)/(-1+x)$  lgdogf  
A002278 6.05933 [ $\{a(n+2)-11a(n+1)+10a(n), a(0) = 0, a(1) = 4\}$ , ogf]  
A002278 9.67162 [ $-(20*x-11)/(10*x^2-11*x+1)$  lgdogf]  
A002279 12.0550  $-1/20*(-5-11*x+(25+110*x+81*x^2)^{(1/2)})/x$  revogf  
A002279 12.8955 [ $5*x/(10*x-1)/(x-1)$  ogf]  
A002279 18.3057  $-(-11+20*x)/(10*x-1)/(-1+x)$  lgdogf  
A002279 6.05933 [ $\{a(n+2)-11a(n+1)+10a(n), a(0) = 0, a(1) = 5\}$ , ogf]  
A002279 9.67162 [ $-(20*x-11)/(10*x^2-11*x+1)$  lgdogf]  
A002280 10.2969  $-1/20*(-6-11*x+(12+44*x+27*x^2)^{(1/2)}*3^{(1/2)})/x$  revogf  
A002280 12.8955 [ $6*x/(10*x-1)/(x-1)$  ogf]  
A002280 18.3057  $-(-11+20*x)/(10*x-1)/(-1+x)$  lgdogf  
A002280 6.05933 [ $\{a(n+2)-11a(n+1)+10a(n), a(0) = 0, a(1) = 6\}$ , ogf]  
A002280 9.67162 [ $-(20*x-11)/(10*x^2-11*x+1)$  lgdogf]  
A002281 12.2710 [ $-(20*x-11)/(10*x^2-11*x+1)$  lgdogf]  
A002281 15.3440  $-1/20*(-7-11*x+(49+154*x+81*x^2)^{(1/2)})/x$  revogf  
A002281 16.3613 [ $7*x/(10*x-1)/(x-1)$  ogf]  
A002281 23.3001  $-(-11+20*x)/(10*x-1)/(-1+x)$  lgdogf  
A002281 7.68783 [ $\{a(n+2)-11a(n+1)+10a(n), a(0) = 0, a(1) = 7\}$ , ogf]  
A002282 12.2710 [ $-(20*x-11)/(10*x^2-11*x+1)$  lgdogf]  
A002282 15.3440  $-1/20*(-8-11*x+(64+176*x+81*x^2)^{(1/2)})/x$  revogf  
A002282 16.3613 [ $8*x/(10*x-1)/(x-1)$  ogf]  
A002282 23.3001  $-(-11+20*x)/(10*x-1)/(-1+x)$  lgdogf  
A002282 7.68783 [ $\{a(n+2)-11a(n+1)+10a(n), a(0) = 0, a(1) = 8\}$ , ogf]  
A002283 10.5398 [ $\{a(n+2)-11a(n+1)+10a(n), a(0) = 0, a(1) = 9\}$ , ogf]  
A002283 15.7276  $-1/20*(-9-11*x+3*(9+22*x+9*x^2)^{(1/2)})/x$  revogf  
A002283 16.8231 [ $-(20*x-11)/(10*x^2-11*x+1)$  lgdogf]  
A002283 22.4308 [ $9*x/(10*x-1)/(x-1)$  ogf]  
A002283 23.3001  $-(-11+20*x)/(10*x-1)/(-1+x)$  lgdogf  
A002284 7.14784 [ $-(-13*x^7+2*x^6-3*x^5+2*x^4-x^3+2*x^2-3*x+2)/(x^8-1)$   
ogf\_with\_Euler\_transform]  
A002288 17.8415 [ $-(16*x+8)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A002293 4.32342 [ $\{(-256*n^3-1152*n^2-1712*n-840)*a(n+1)+(27*n^3+162*n^2+321*n$   
 $+210)*a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A002294 3.55468 [ $\{(-3125*n^4-18750*n^3-41875*n^2-41250*n-15120)*a(n$   
 $+1)+(256*n^4+1920*n^3+5360*n^2+6600*n+3024)*a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A002299 15.8800  $-3*(7+35*x+x^3+21*x^2)/(-1+x)/(1+x)/(x^2+14*x+1)$  lgdogf  
A002299 6.31077 [ $\{(2*n^2+17*n+36)*a(n+1)+(-2*n^2-7*n-6)*a(n+2), a(0) = 1, a(1) =$   
 $21\}$ , ogf]  
A002299 7.92066 [ $(x+1)*(x^2+14*x+1)/(x-1)^6$  ogf]  
A002299 9.95160 [ $-(3*x^3+63*x^2+105*x+21)/(x^4+14*x^3-14*x-1)$  lgdogf]  
A002300 11.7217 [ $-(-5*x^6-2*x^5-2*x^4-2*x^3-2*x^2-2*x-2)/(x^7-1)$   
ogf\_with\_Euler\_transform]  
A002301 13.5725 [ $2/(x-1)^4$  egf]  
A002301 19.2079  $(-2+(8+12*x)^{(1/3)})/(8+12*x)^{(1/3)}$  revegef  
A002301 23.7519 [ $4/(-x+1)$  lgdegf]  
A002301 7.55741 [ $\{(-n-5)*a(n+1)+a(n+2), a(0) = 2, a(1) = 8\}$ , ogf]  
A002301 72.5632  $-4/(-1+x)$  lgdegf  
A002302 3.83442 [ $2/15*(x^6-6*x^5+15*x^4-20*x^3+15*x^2+30*x+15)/(x-1)^6$  egf]  
A002302 8.45161  $-60*(2+3*x)/(-1+x)/(x^6-6*x^5+15*x^4-20*x^3+15*x^2+30*x+15)$   
lgdegf  
A002309 11.0039  $-2*(41+420*x+x^4+116*x^3+574*x^2)/(-1+x)/$   
 $(x^4+76*x^3+230*x^2+76*x+1)$  lgdogf  
A002309 6.92608 [ $-(-2*x^4-232*x^3-1148*x^2-840*x-82)/(-$

$x^5-75x^4-154x^3+154x^2+75x+1$  lgdogf]  
A002309 7.05434 [  $(x^4+76x^3+230x^2+76x+1)/(x-1)^6$  ogf]  
A002310 10.6587 [  $-(-3x^2+2x-2)/(-3x^3+16x^2-8x+1)$  lgdogf]  
A002310 15.3959 [  $-(3x-1)/(x^2-5x+1)$  ogf]  
A002310 17.0026  $-1/2*(-1-5x+(1+2x+21x^2)^{1/2})/(3+x)$  revogf  
A002310 20.0030  $-(2-2x+3x^2)/(3x-1)/(x^2-5x+1)$  lgdogf  
A002310 8.44896 [  $\{a(n+2)-5a(n+1)+a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A002315 11.4151 [  $-(x^2+2x-7)/(x^3-5x^2-5x+1)$  lgdogf]  
A002315 13.9903  $-1/2*(-6x-1+(32x^2+16x+1)^{1/2})/(-1+x)$  revogf  
A002315 16.2349 [  $(x+1)/(x^2-6x+1)$  ogf]  
A002315 18.9546  $-(-7+2x+x^2)/(1+x)/(1-6x+x^2)$  lgdogf  
A002315 8.90938 [  $\{-a(n+2)+6a(n+1)-a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A002316 7.57558  $-(-5+8x+17x^4+16x^3+2x^6+14x^5+43x^2)/(2x^3+7x^2-x+1)/(x^4+6x^3+11x^2-6x+1)$  lgdogf  
A002316 8.02662 [  $(2x^3+7x^2-x+1)/(x^4+6x^3+11x^2-6x+1)$  ogf]  
A002317 8.06736 [  $-(x^3+x^2+7x-2)/(x^4+6x^3+11x^2-6x+1)$  ogf]  
A002317 8.08245  $-(5-46x+16x^4+88x^3+x^6+2x^5+44x^2)/(x^3+x^2+7x-2)/(x^4+6x^3+11x^2-6x+1)$  lgdogf  
A002320 12.9824 [  $-(2x-1)/(x^2-5x+1)$  ogf]  
A002320 14.2961  $-1/2*(-1-5x+(1+2x+21x^2)^{1/2})/(2+x)$  revogf  
A002320 16.3384  $-(3-2x+2x^2)/(-1+2x)/(x^2-5x+1)$  lgdogf  
A002320 7.12448 [  $\{a(n+2)-5a(n+1)+a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A002320 8.98780 [  $-(-2x^2+2x-3)/(-2x^3+11x^2-7x+1)$  lgdogf]  
A002370 3.89523 [  $\{(-4n^3-24n^2-47n-30)*a(n+1)+(4n^2+20n+25)*a(n+2)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 6\}$ , ogf]  
A002378 18.5233 [  $-2x/(x-1)^3$  ogf]  
A002378 29.7696 [  $3/(-x+1)$  lgdogf]  
A002378 7.50944 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 6\}$ , ogf]  
A002378 91.3058  $-3/(-1+x)$  lgdogf  
A002408 14.9944 [  $-(-8x^3-8x^2-8)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A002409 21.5160 [  $14/(-2x+1)$  lgdogf]  
A002409 5.88644 [  $\{(-n-2)*a(n+2)+(16+2n)*a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A002409 50.9517  $-14/(-1+2x)$  lgdogf  
A002409 7.70325 [  $-1/(2x-1)^7$  ogf]  
A002411 12.6334 [  $x*(2x+1)/(x-1)^4$  ogf]  
A002411 17.1077 [  $-(6+6x)/(2x^2-x-1)$  lgdogf]  
A002411 35.2094  $-6*(1+x)/(1+2x)/(-1+x)$  lgdogf  
A002411 5.51120 [  $\{(n+2)*a(n+3)+(-5+n)*a(n+2)+(-6-2n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A002412 11.1234 [  $x*(3x+1)/(x-1)^4$  ogf]  
A002412 15.0629 [  $-(-9x-7)/(-3x^2+2x+1)$  lgdogf]  
A002412 30.9545  $-(7+9x)/(3x+1)/(-1+x)$  lgdogf  
A002412 4.85248 [  $\{(-2-n)*a(n+3)+(5-2n)*a(n+2)+(9+3n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 7\}$ , ogf]  
A002413 11.7692 [  $x*(4x+1)/(x-1)^4$  ogf]  
A002413 15.6121 [  $-(-12x-8)/(-4x^2+3x+1)$  lgdogf]  
A002413 30.1542  $-4*(2+3x)/(1+4x)/(-1+x)$  lgdogf  
A002413 5.09997 [  $\{(-2-n)*a(n+3)+(5-3n)*a(n+2)+(12+4n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 8\}$ , ogf]  
A002414 12.5180 [  $(5x+1)/(x-1)^4$  ogf]  
A002414 15.5836 [  $-(-15x-9)/(-5x^2+4x+1)$  lgdogf]  
A002414 29.9537  $-3*(3+5x)/(5x+1)/(-1+x)$  lgdogf  
A002414 5.02367 [  $\{(n+3)*a(n+3)+(-1+4n)*a(n+2)+(-20-5n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 30\}$ , ogf]  
A002415 10.4560 [  $-x^2*(x+1)/(x-1)^5$  ogf]  
A002415 18.7733 [  $-(4x+6)/(x^2-1)$  lgdogf]  
A002415 35.5891  $-2*(2x+3)/(-1+x)/(1+x)$  lgdogf  
A002415 39.0809 [  $[6-x]$  ogf\_with\_Euler\_transform]  
A002415 6.25777 [  $\{(n+1)*a(n+3)-6a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]

A002417 11.4035 [  $-(3*x+1)/(x-1)^5$  ogf]  
A002417 16.5234 [  $-(-12*x-8)/(-3*x^2+2*x+1)$  lgdogf]  
A002417 31.7997  $-4*(2+3*x)/(3*x+1)/(-1+x)$  lgdogf  
A002417 5.32662 [  $\{(n+3)*a(n+3)+(-4+2*n)*a(n+2)+(-15-3*n)*a(n+1), a(0) = 1, a(1) = 8, a(2) = 30\}$ , ogf]  
A002418 14.4072 [  $-(-16*x-9)/(-4*x^2+3*x+1)$  lgdogf]  
A002418 28.9668  $-(9+16*x)/(1+4*x)/(-1+x)$  lgdogf  
A002418 4.70635 [  $\{(-2-n)*a(n+3)+(6-3*n)*a(n+2)+(16+4*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 9\}$ , ogf]  
A002418 9.41271 [  $-x*(4*x+1)/(x-1)^5$  ogf]  
A002419 10.4477 [  $-(5*x+1)/(x-1)^5$  ogf]  
A002419 14.8358 [  $-(-20*x-10)/(-5*x^2+4*x+1)$  lgdogf]  
A002419 27.9790  $-10*(1+2*x)/(5*x+1)/(-1+x)$  lgdogf  
A002419 4.84829 [  $\{(n+3)*a(n+3)+(-2+4*n)*a(n+2)+(-25-5*n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 40\}$ , ogf]  
A002420 25.7055 [  $2/(4*x-1)$  lgdogf]  
A002420 6.92072 [  $\{(n+2)*a(n+2)+(-2-4*n)*a(n+1), a(0) = 1, a(1) = -2\}$ , ogf]  
A002420 79.6396  $2/(-1+4*x)$  lgdogf  
A002421 27.3311 [  $6/(4*x-1)$  lgdogf]  
A002421 7.35837 [  $\{(n+2)*a(n+2)+(2-4*n)*a(n+1), a(0) = 1, a(1) = -6\}$ , ogf]  
A002421 75.5066  $6/(-1+4*x)$  lgdogf  
A002422 19.6614 [  $10/(4*x-1)$  lgdogf]  
A002422 37.6114  $-10+(-1+4*x)*f(x)$  lgdogf  
A002422 5.43029 [  $\{(n+2)*a(n+2)+(6-4*n)*a(n+1), a(0) = 1, a(1) = -10\}$ , ogf]  
A002423 19.8783 [  $14/(4*x-1)$  lgdogf]  
A002423 33.5180  $-14+(-1+4*x)*f(x)$  lgdogf  
A002423 5.43841 [  $\{(n+2)*a(n+2)+(10-4*n)*a(n+1), a(0) = 1, a(1) = -14\}$ , ogf]  
A002424 21.0166 [  $18/(4*x-1)$  lgdogf]  
A002424 40.2095  $-18+(-1+4*x)*f(x)$  lgdogf  
A002424 5.74982 [  $\{(n+2)*a(n+2)+(14-4*n)*a(n+1), a(0) = 1, a(1) = -18\}$ , ogf]  
A002426 16.3683 [  $-(-3*x-1)/(-3*x^2-2*x+1)$  lgdogf]  
A002426 19.1571  $(-x+(4*x^2+1)^{(1/2)})/(1+3*x^2)*x$  revogf  
A002426 27.8648  $-(3*x+1)/(1+x)/(3*x-1)$  lgdogf  
A002426 5.23785 [  $\{(n+3)*a(n+3)+(-5-2*n)*a(n+2)+(-6-3*n)*a(n+1), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A002446 12.7379 [  $-(8*x-5)/(4*x^2-5*x+1)$  lgdogf]  
A002446 16.5249 [  $6*x/(4*x-1)/(x-1)$  ogf]  
A002446 24.0806  $-(-5+8*x)/(-1+4*x)/(-1+x)$  lgdogf  
A002446 7.54841 [  $\{a(n+2)-5*a(n+1)+4*a(n), a(0) = 0, a(1) = 6\}$ , ogf]  
A002447 10.9542 [  $-(9*x^2+4*x)/(3*x^3+2*x^2-1)$  lgdogf]  
A002447 18.5890 [  $-1/(3*x^3+2*x^2-1)$  ogf]  
A002447 22.3348  $-x*(4+9*x)/(-1+2*x^2+3*x^3)$  lgdogf  
A002447 6.59609 [  $\{a(n+3)-2*a(n+1)-3*a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf]  
A002448 13.4800 [  $-(-x-2)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A002450 15.2045 [  $-(8*x-5)/(4*x^2-5*x+1)$  lgdogf]  
A002450 17.5620  $-1/8*(-1-5*x+(x+1)^{(1/2)}*(9*x+1)^{(1/2)})/x$  revogf  
A002450 22.1156 [  $x/(4*x-1)/(x-1)$  ogf]  
A002450 28.8016  $-(-5+8*x)/(-1+4*x)/(-1+x)$  lgdogf  
A002450 9.01005 [  $\{a(n+2)-5*a(n+1)+4*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A002451 10.3342 [  $-(108*x^2-98*x+14)/(36*x^3-49*x^2+14*x-1)$  lgdogf]  
A002451 16.7803  $-2*(7-49*x+54*x^2)/(-1+x)/(-1+4*x)/(-1+9*x)$  lgdogf  
A002451 18.3432 [  $-1/(x-1)/(4*x-1)/(9*x-1)$  ogf]  
A002451 6.21804 [  $\{a(n+3)-14*a(n+2)+49*a(n+1)-36*a(n), a(0) = 1, a(1) = 14, a(2) = 147\}$ , ogf]  
A002452 15.9234 [  $-(-18*x-10)/(9*x^2-10*x+1)$  lgdogf]  
A002452 17.4497  $-1/18*(-10*x-1+(16*x+1)^{(1/2)}*(1+4*x)^{(1/2)})/x$  revogf  
A002452 23.8851 [  $x/(9*x-1)/(x-1)$  ogf]  
A002452 29.7291  $-2*(-5+9*x)/(-1+9*x)/(-1+x)$  lgdogf  
A002452 9.90356 [  $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A002453 12.1616  $-(35-518*x+675*x^2)/(-1+x)/(25*x-1)/(-1+9*x)$  lgdogf  
A002453 13.0048 [  $-1/(x-1)/(25*x-1)/(9*x-1)$  ogf]

A002453 4.55167 [ $\{a(n+3)-35a(n+2)+259a(n+1)-225a(n), a(0) = 1, a(1) = 35, a(2) = 966\}$ , ogf]  
A002453 7.38108 [ $-(675x^2-518x+35)/(225x^3-259x^2+35x-1)$  lgdogf]  
A002454 5.06268 [ $\{(4n^2+16n+16)a(n+1)-a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A002456 5.38610 [ $\{(-2n^3-15n^2-37n-30)a(n+1)+(n+1)a(n+2), a(0) = 0, a(1) = 1\}$ , ogf]  
A002457 22.6203 [ $6/(-4x+1)$  lgdogf]  
A002457 56.4388 [ $-6/(-1+4x)$  lgdogf]  
A002457 6.03209 [ $\{(-n-2)a(n+2)+(10+4n)a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A002458 10.9926 [ $-10+288x+(1-64x+768x^2)*f(x)+(-64x^2+512x^3+2x)*f(x)^2$  lgdogf]  
A002458 5.28608 [ $\{(-32n^2-128n-126)a(n+1)+(2n^2+9n+10)a(n+2), a(0) = 1, a(1) = 10\}$ , ogf]  
A002466 7.34803 [ $-(2x^9+2x^6-2x^5+7x^4+4x^3+2x^2+x+1)/(2x^{10}+15x^5-1)$  ogf]  
A002467 5.42228 [ $\{(n+2)a(n+1)+(n+2)a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
A002474 4.48218 [ $\{(4n^2+20n+24)a(n+1)-a(n+2), a(0) = 2, a(1) = 16\}$ , ogf]  
A002477 3.76600 [ $\{a(n+3)-111a(n+2)+1110a(n+1)-1000a(n), a(0) = 1, a(1) = 121, a(2) = 12321\}$ , ogf]  
A002477 6.92919 [ $-(121-2220x+20000x^3-8100x^2)/(-1+x)/(10x+1)/(100x-1)/(10x-1)$  lgdogf]  
A002477 7.65348 [ $-(10x+1)/(x-1)/(100x-1)/(10x-1)$  ogf]  
A002478 12.2378 [ $-(-3x^2-4x-1)/(-x^3-2x^2-x+1)$  lgdogf]  
A002478 19.1029 [ $-1/(x^3+2x^2+x-1)$  ogf]  
A002478 25.6411 [ $-(1+x)*(3x+1)/(2x^2-1+x+x^3)$  lgdogf]  
A002478 6.99302 [ $\{-a(n+3)+a(n+2)+2a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A002483 12.8897 [ $3x^7/(x^8-1)$  ogf\_with\_Euler\_transform]  
A002492 11.7477 [ $4*(x+1)*x/(x-1)^4$  ogf]  
A002492 17.3545 [ $-(3x+5)/(x^2-1)$  lgdogf]  
A002492 35.8348 [ $-(3x+5)/(-1+x)/(1+x)$  lgdogf]  
A002492 36.1122 [ $[5-x]$  ogf\_with\_Euler\_transform]  
A002492 5.69849 [ $\{(n+2)a(n+3)-5a(n+2)+(-3-n)a(n+1), a(0) = 0, a(1) = 4, a(2) = 20\}$ , ogf]  
A002501 11.6105 [ $-(19-122x+840x^3-53x^2)/(5x+1)/(-1+4x)/(3x-1)/(7x-1)$  lgdogf]  
A002501 12.4499 [ $-(5x+1)/(3x-1)/(7x-1)/(4x-1)$  ogf]  
A002501 5.90843 [ $\{a(n+3)-14a(n+2)+61a(n+1)-84a(n), a(0) = 1, a(1) = 19, a(2) = 205\}$ , ogf]  
A002501 7.74661 [ $-(-840x^3+53x^2+122x-19)/(-420x^4+221x^3-9x^2-9x+1)$  lgdogf]  
A002502 4.93201 [ $(480x^3+136x^2-27x-1)/(6x-1)/(5x-1)/(15x-1)/(4x-1)/(8x-1)$  ogf]  
A002506 4.81900 [ $\{(4n^2+24n+32)a(n+1)-a(n+2), a(0) = 8, a(1) = 96\}$ , ogf]  
A002507 12.3251 [ $-(-2x^4+8x^3+12x^2+8x-2)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A002508 12.9224 [ $-(2x^4-8x^3-12x^2-8x+2)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A002512 12.5373 [ $-(4x^3+2x^2+2x+2)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A002513 18.6584 [ $-(-2x-1)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A002522 13.0856 [ $-(-2x^2-2x-2)/(-2x^3+3x^2-2x+1)$  lgdogf]  
A002522 13.7292 [ $-(2x^2-x+1)/(x-1)^3$  ogf]  
A002522 26.5081 [ $-2*(1+x+x^2)/(-1+x)/(2x^2-x+1)$  lgdogf]  
A002522 7.47750 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A002523 6.12925 [ $-(2x^4+7x^3+17x^2-3x+1)/(x-1)^5$  ogf]  
A002523 9.12385 [ $-2*(1+11x+x^4+11x^3+36x^2)/(-1+x)/(2x^4+7x^3+17x^2-3x+1)$  lgdogf]  
A002524 14.3861 [ $-(1-5x^4-4x^3+4x^5+6x^2)/(-1+x)/(x^5-2x^3-2x+1)$  lgdogf]  
A002524 14.6477 [ $-(x-1)/(x^5-2x^3-2x+1)$  ogf]  
A002524 7.18820 [ $-(-4x^5+5x^4+4x^3-6x^2-1)/(-x^6+x^5+2x^4-2x^3+2x^2-3x+1)$  lgdogf]

A002525 14.7385 [  $x/(x^5-2x^3-2x+1)$  ogf]  
A002525 18.6580  $-(-2-6x^2+5x^4)/(x^5-2x^3-2x+1)$  lgdogf  
A002525 9.75344  $[-(-5x^4+6x^2+2)/(-x^5+2x^3+2x-1)]$  lgdogf]  
A002527 4.77736 [  $x*(x+1)*(x^6+x^5-x^4-x^3-x^2+x-1)/(x-1)/$   
 $(x^{13}+3x^{12}+3x^{11}+5x^{10}+9x^9+7x^8-3x^7-19x^6-21x^5-13x^4-3x^3-3x^2-x$   
 $+1)$  ogf]  
A002528 5.91993 [  $-2x^2/(x-1)/$   
 $(x^{13}+3x^{12}+3x^{11}+5x^{10}+9x^9+7x^8-3x^7-19x^6-21x^5-13x^4-3x^3-3x^2-x$   
 $+1)$  ogf]  
A002529 5.29755 [  $2x^2*(x^4+x^3-x^2-x-1)/(x-1)/$   
 $(x^{13}+3x^{12}+3x^{11}+5x^{10}+9x^9+7x^8-3x^7-19x^6-21x^5-13x^4-3x^3-3x^2-x$   
 $+1)$  ogf]  
A002530 13.1004 [  $-x*(x^2-x-1)/(x^4-4x^2+1)$  ogf]  
A002530 14.0781  $-(1+6x-3x^4-4x^3+2x^5+4x^2)/(x^2-x-1)/(x^4-4x^2+1)$  lgdogf  
A002531 10.6317  $-(-1-4x+7x^4+4x^3+x^6-4x^5-7x^2)/(x^3-2x^2+x+1)/$   
 $(x^4-4x^2+1)$  lgdogf  
A002531 11.1758 [  $(x^3-2x^2+x+1)/(x^4-4x^2+1)$  ogf]  
A002532 13.2984  $[-(-10x-2)/(-5x^2-2x+1)]$  lgdogf]  
A002532 17.6114 [  $-x/(5x^2+2x-1)$  ogf]  
A002532 17.8290  $1/10/x*(-2x-1+(24x^2+4x+1)^{(1/2)})$  revogf  
A002532 26.7436  $-2*(1+5x)/(5x^2-1+2x)$  lgdogf  
A002532 8.04469 [  $\{-a(n+2)+2a(n+1)+5a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A002533 13.9485 [  $(x-1)/(5x^2+2x-1)$  ogf]  
A002533 16.6164  $-(-1-10x+5x^2)/(-1+x)/(5x^2-1+2x)$  lgdogf  
A002533 7.65466 [  $\{-a(n+2)+2a(n+1)+5a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A002533 9.65665 [  $-(5x^2-10x-1)/(5x^3-3x^2-3x+1)$  lgdogf]  
A002534 13.6638 [  $-(-18x-2)/(-9x^2-2x+1)$  lgdogf]  
A002534 18.0953 [  $-x/(9x^2+2x-1)$  ogf]  
A002534 18.3297  $1/18/x*(-2x-1+(40x^2+4x+1)^{(1/2)})$  revogf  
A002534 27.4946  $-2*(1+9x)/(9x^2-1+2x)$  lgdogf  
A002534 8.26577 [  $\{-a(n+2)+2a(n+1)+9a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A002535 14.4072 [  $(x-1)/(9x^2+2x-1)$  ogf]  
A002535 17.1786  $-(-1-18x+9x^2)/(-1+x)/(9x^2-1+2x)$  lgdogf  
A002535 17.1786  $1/2/(9x-1)*(-2x-1+(40x^2+1)^{(1/2)})$  revogf  
A002535 7.90637 [  $\{-a(n+2)+2a(n+1)+9a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A002535 9.97418 [  $-(9x^2-18x-1)/(9x^3-7x^2-3x+1)$  lgdogf]  
A002536 10.8945  $-(-1+10x-27x^4-36x^3+54x^5+8x^2)/(3x^2-x-1)/(9x^4-8x^2+1)$   
lgdogf  
A002536 11.5975 [  $-x*(3x^2-x-1)/(9x^4-8x^2+1)$  ogf]  
A002537 8.15962  $-(-1-8x+51x^4+36x^3+27x^6-72x^5-17x^2)/(3x^3-4x^2+x+1)/$   
 $(9x^4-8x^2+1)$  lgdogf  
A002537 9.99660 [  $(3x^3-4x^2+x+1)/(9x^4-8x^2+1)$  ogf]  
A002538 4.26233 [  $\{(-n^3-13n^2-56n-80)*a(n+1)+(2n^2+17n+34)*a(n+2)+(-n-3)*a(n$   
 $+3), a(0) = 1, a(1) = 8, a(2) = 58\}$ , ogf]  
A002544 11.6301 [  $-(12x+12)/(8x^2+2x-1)$  lgdogf]  
A002544 21.8971  $-12*(1+x)/(1+2x)/(-1+4x)$  lgdogf  
A002544 3.77599 [  $\{(-n-3)*a(n+3)+(16+2n)*a(n+2)+(20+8n)*a(n+1), a(0) = 1, a(1)$   
 $= 12, a(2) = 90\}$ , ogf]  
A002561 5.37355 [  $x*(31x^4+56x^3+36x^2-4x+1)/(x-1)^6$  ogf]  
A002561 8.37810  $-2*(1+26x+31x^4+146x^3+156x^2)/(-1+x)/$   
 $(31x^4+56x^3+36x^2-4x+1)$  lgdogf  
A002570 12.5831 [  $-1/(x-1)/(x^2-3x+1)/(x+1)^3$  ogf]  
A002570 15.2993  $-(-1+8x+6x^3-17x^2)/(-1+x)/(1+x)/(x^2-3x+1)$  lgdogf  
A002570 9.82514 [  $-(6x^3-17x^2+8x+1)/(x^4-3x^3+3x-1)$  lgdogf]  
A002571 8.38942 [  $-(x^3-x^2-4x-1)/(x^2-3x+1)/(x+1)^2$  ogf]  
A002571 9.73540  $-(-5+5x-3x^4-4x^3+x^5+10x^2)/(1+x)/(x^2-3x+1)/(x^3-$   
 $x^2-4x-1)$  lgdogf  
A002578 7.62610 [  $-x^2*(x^5+x^4+x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3$  ogf]  
A002579 6.51944 [  $-(x^7-2x^6+x^5+x^4+x^3+x^2-x+3)/(x+1)/(x^2+x+1)/(x^2-x+1)/$   
 $(x-1)^3$  ogf]  
A002593 13.7215  $-2*(14+69x+x^3+36x^2)/(-1+x)/(1+x)/(x^2+22x+1)$  lgdogf

A002593 3.71060 [ $\{(-10*n^2-47*n-54)*a(n+1)+(20*n^2+80*n+144)*a(n+2)+(-10*n^2-33*n-26)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 28\}$ , ogf]  
A002593 7.34141 [ $-x*(x+1)*(x^2+22*x+1)/(x-1)^5$  ogf]  
A002593 8.75322 [ $-(2*x^3+72*x^2+138*x+28)/(x^4+22*x^3-22*x-1)$  lgdogf]  
A002594 12.0451 [ $-2*(122+2393*x+358*x^4+3838*x^3+x^5+6728*x^2)/(-1+x)/(1+x)/(x^4+236*x^3+1446*x^2+236*x+1)$  lgdogf]  
A002594 8.29099 [ $-(x+1)*(x^4+236*x^3+1446*x^2+236*x+1)/(x-1)^7$  ogf]  
A002594 8.48531 [ $-(-2*x^5-716*x^4-7676*x^3-13456*x^2-4786*x-244)/(-x^6-236*x^5-1445*x^4+1445*x^2+236*x+1)$  lgdogf]  
A002597 11.0822 [ $-(-14*x^3-15*x^2-6*x-1)/(-x^4-x^3+x+1)$  lgdogf]  
A002597 17.8818 [ $-(1+2*x)*(7*x^2+4*x+1)/(-1+x)/(1+x)/(x^2+x+1)$  lgdogf]  
A002597 28.1207 [ $1+2*x+3/2*x^2$  egf\_with\_Euler\_transform]  
A002597 6.12001 [ $1/(x+1)^2/(x^2+x+1)^3/(x-1)^6$  ogf]  
A002604 4.11970 [ $-(2*x^6+51*x^5+317*x^4+282*x^3+72*x^2-5*x+1)/(x-1)^7$  ogf]  
A002604 5.54537 [ $-2*(1+57*x+603*x^4+1198*x^3+x^4+57*x^5+603*x^2)/(-1+x)/(2*x^6+51*x^5+317*x^4+282*x^3+72*x^2-5*x+1)$  lgdogf]  
A002605 15.8014 [ $-(-4*x-2)/(-2*x^2-2*x+1)$  lgdogf]  
A002605 20.4991 [ $-x/(2*x^2+2*x-1)$  ogf]  
A002605 21.3790 [ $1/4/x*(-2*x-1+(12*x^2+4*x+1)^{1/2})$  revogf]  
A002605 31.1777 [ $-2*(1+2*x)/(2*x^2+2*x-1)$  lgdogf]  
A002605 9.36380 [ $\{-a(n+2)+2*a(n+1)+2*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A002620 19.0102 [ $-(-4*x-2)/(-x^2+1)$  lgdogf]  
A002620 20.4012 [ $-x^2/(x+1)/(x-1)^3$  ogf]  
A002620 36.0143 [ $-2*(1+2*x)/(-1+x)/(1+x)$  lgdogf]  
A002620 39.6604 [ $[2+x]$  ogf\_with\_Euler\_transform]  
A002620 6.85616 [ $\{a(n+4)-2*a(n+3)+2*a(n+1)-a(n), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$ , ogf]  
A002621 10.7877 [ $-1/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A002621 11.8447 [ $-(2+6*x+13*x^4+17*x^3+11*x^5+11*x^2)/(-1+x)/(1+x)/(1+x^2)/(x^2+x+1)$  lgdogf]  
A002621 24.3843 [ $x^3+x^2+x+2$  ogf\_with\_Euler\_transform]  
A002622 10.0651 [ $1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^6$  ogf]  
A002622 20.7532 [ $x^4+x^3+x^2+x+2$  ogf\_with\_Euler\_transform]  
A002622 7.43407 [ $-(2+8*x+16*x^9+56*x^7+54*x^4+36*x^3+34*x^8+67*x^6+68*x^5+19*x^2)/(-1+x)/(1+x)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(1+x^2)$  lgdogf]  
A002623 13.8470 [ $1/(x+1)/(x-1)^4$  ogf]  
A002623 17.9382 [ $-(-5*x-3)/(-x^2+1)$  lgdogf]  
A002623 36.8514 [ $-(3+5*x)/(-1+x)/(1+x)$  lgdogf]  
A002623 37.3748 [ $[3+x]$  ogf\_with\_Euler\_transform]  
A002623 5.89016 [ $\{(n+3)*a(n+3)-3*a(n+2)+(-6-n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 7\}$ , ogf]  
A002624 10.7168 [ $-1/(x+1)^2/(x-1)^5$  ogf]  
A002624 17.7802 [ $-(-7*x-3)/(-x^2+1)$  lgdogf]  
A002624 36.5374 [ $-(3+7*x)/(-1+x)/(1+x)$  lgdogf]  
A002624 37.0207 [ $[3+2*x]$  ogf\_with\_Euler\_transform]  
A002624 5.83828 [ $\{(n+3)*a(n+3)-3*a(n+2)+(-8-n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 8\}$ , ogf]  
A002625 12.3027 [ $-(-10*x^3-13*x^2-10*x-3)/(-x^4-x^3+x+1)$  lgdogf]  
A002625 20.1642 [ $-(1+2*x)*(5*x^2+4*x+3)/(x^2+x+1)/(-1+x)/(1+x)$  lgdogf]  
A002625 31.6347 [ $3+2*x+1/2*x^2$  egf\_with\_Euler\_transform]  
A002625 9.41533 [ $1/(x^2+x+1)/(x+1)^2/(x-1)^6$  ogf]  
A002626 11.5776 [ $-(3+10*x+17*x^4+24*x^3+14*x^5+16*x^2)/(-1+x)/(1+x)/(1+x^2)/(x^2+x+1)$  lgdogf]  
A002626 24.1454 [ $x^3+x^2+2*x+3$  ogf\_with\_Euler\_transform]  
A002626 6.36612 [ $-1/(x^2+1)/(x^2+x+1)/(x+1)^3/(x-1)^7$  ogf]  
A002627 5.02004 [ $\{(-2-n)*a(n+1)+(n+4)*a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 3\}$ , ogf]  
A002633 19.0282 [ $-3+2*x-x^2+(-1+2*x-x^2)*f(x)$  lgdegf]  
A002633 9.18793 [ $-(-x^2+2*x-3)/(-x^2+2*x-1)$  lgdegf]  
A002655 6.02202 [ $-(-2*x^6-x^5-x^4-x^3-x^2-x-1)/(x^7-1)$  ogf\_with\_Euler\_transform]

A002656 6.94659  $[-(-6*x^6-3*x^5-3*x^4-3*x^3-3*x^2-3*x-3)/(x^7-1)$   
ogf\_with\_Euler\_transform]  
A002662 15.6887  $[x^3/(2*x-1)/(x-1)^3$  ogf]  
A002662 16.0155  $[-(8*x-5)/(2*x^2-3*x+1)$  lgdogf]  
A002662 30.6088  $-(-5+8*x)/(-1+2*x)/(-1+x)$  lgdogf  
A002662 5.09103  $[{n*a(n+3)+(-2-3*n)*a(n+2)+(4+2*n)*a(n+1), a(0) = 0, a(1) = 0,$   
 $a(2) = 0, a(3) = 1}$ , ogf]  
A002663 10.6512  $[-x^4/(2*x-1)/(x-1)^4$  ogf]  
A002663 12.8249  $[-(10*x-6)/(2*x^2-3*x+1)$  lgdogf]  
A002663 24.1700  $-2*(5*x-3)/(-1+2*x)/(-1+x)$  lgdogf  
A002663 3.87914  $[{(1-n)*a(n+3)+3*n*a(n+2)+(-4-2*n)*a(n+1), a(0) = 0, a(1) = 0,$   
 $a(2) = 0, a(3) = 0, a(4) = 1}$ , ogf]  
A002664 12.6147  $[-(12*x-7)/(2*x^2-3*x+1)$  lgdogf]  
A002664 23.9059  $-(-7+12*x)/(-1+2*x)/(-1+x)$  lgdogf  
A002664 8.95823  $[x^5/(2*x-1)/(x-1)^5$  ogf]  
A002671 4.39829  $[{(16*n^2+72*n+80)*a(n+1)-a(n+2), a(0) = 1, a(1) = 24}$ , ogf]  
A002674 6.56497  $[{(4*n^2+22*n+30)*a(n+1)-a(n+2), a(0) = 1, a(1) = 12}$ , ogf]  
A002690 12.0411  $[-(-4*x+4)/(-8*x^2+6*x-1)$  lgdegf]  
A002690 20.9867  $-4*(-1+x)/(-1+4*x)/(-1+2*x)$  lgdegf  
A002690 23.6101  $(-2*x+(4*x^2+1)^(1/2))*x$  revegf  
A002690 5.06996  $[{(-4*n^2-18*n-18)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 4}$ ,  
ogf]  
A002691 12.9855  $[-(-6*x+9)/(-4*x^2+5*x-1)$  lgdegf]  
A002691 23.5374  $-3*(2*x-3)/(-1+4*x)/(-1+x)$  lgdegf  
A002691 3.62387  $[{(-4*n^2-18*n-20)*a(n+1)+(-4*n^2-29*n-51)*a(n+2)+(n+3)*a(n+3),$   
 $a(0) = 1, a(1) = 9, a(2) = 120}$ , ogf]  
A002694 12.0188  $-24+100*x+(4-36*x+80*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$  lgdogf  
A002694 5.47762  $[{(-4*n^2-30*n-56)*a(n+1)+(n^2+8*n+12)*a(n+2), a(0) = 1, a(1) =$   
 $6}$ , ogf]  
A002694 9.10469  $[(-2/(-1+4*x)^(1/2))*(5*x-1)+2*I)/(-1+4*x)^(1/2)/x$  lgdogf]  
A002695 10.8669  $9-3*x+(287-90*x-x^2)*f(x)+(-32+192*x-32*x^2)*f(x)^2$  lgdogf  
A002695 11.7957  $[-(3*x-9)/(x^2-6*x+1)$  lgdogf]  
A002695 3.72495  $[{(-n-3)*a(n+3)+(21+6*n)*a(n+2)+(-4-n)*a(n+1), a(0) = 1, a(1) =$   
 $9, a(2) = 66}$ , ogf]  
A002696 11.1982  $-48+196*x+(6-52*x+112*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$  lgdogf  
A002696 5.15839  $[{(-4*n^2-38*n-90)*a(n+1)+(n^2+10*n+16)*a(n+2), a(0) = 1, a(1) =$   
 $8}$ , ogf]  
A002696 8.52853  $[(-14*x-3)/(-1+4*x)^(1/2)+3*I)/(-1+4*x)^(1/2)/x$  lgdogf]  
A002697 16.5461  $[x/(4*x-1)^2$  ogf]  
A002697 20.0918  $[8/(-4*x+1)$  lgdogf]  
A002697 23.0540  $4*x/(1+(16*x+1)^(1/2))^2$  revogf  
A002697 50.2997  $-8/(-1+4*x)$  lgdogf  
A002697 6.86060  $[{a(n+2)-8*a(n+1)+16*a(n), a(0) = 0, a(1) = 1}$ , ogf]  
A002698 13.0528  $-2*(-9-16*x+16*x^2)/(-1+4*x)/(8*x^2-6*x-1)$  lgdogf  
A002698 4.74747  $[{a(n+3)-12*a(n+2)+48*a(n+1)-64*a(n), a(0) = 1, a(1) = 18, a(2)$   
 $= 160}$ , ogf]  
A002698 8.11887  $[-(-32*x^2+32*x+18)/(-32*x^3+32*x^2-2*x-1)$  lgdogf]  
A002698 8.75316  $[ (8*x^2-6*x-1)/(4*x-1)^3$  ogf]  
A002699 16.9151  $[ 2*x/(4*x-1)^2$  ogf]  
A002699 22.9562  $[8/(-4*x+1)$  lgdogf]  
A002699 27.5378  $2*x/(1+(1+8*x)^(1/2))^2$  revogf  
A002699 57.5790  $-8/(-1+4*x)$  lgdogf  
A002699 7.83872  $[{a(n+2)-8*a(n+1)+16*a(n), a(0) = 0, a(1) = 2}$ , ogf]  
A002700 12.4194  $[ -(4*x+3)/(4*x-1)^3$  ogf]  
A002700 13.6369  $[-(32*x+40)/(16*x^2+8*x-3)$  lgdogf]  
A002700 18.7572  $-8*(5+4*x)/(4*x+3)/(-1+4*x)$  lgdogf  
A002700 5.89393  $[{a(n+3)-12*a(n+2)+48*a(n+1)-64*a(n), a(0) = 3, a(1) = 40, a(2)$   
 $= 336}$ , ogf]  
A002714 7.18263  $-(-19-46*x+15*x^4+76*x^3+3*x^6-18*x^5-21*x^2)/(3*x^3-9*x^2-9*x$   
 $+7)/(x^4-4*x^3-2*x^2+4*x-1)$  lgdogf  
A002714 7.58946  $[ -(2*x^4-5*x^3-7*x^2+3*x+1)/(x^4-4*x^3-2*x^2+4*x-1)$  ogf]

A002717 11.0550 [  $x*(2*x+1)/(x+1)/(x-1)^4$  ogf]  
A002717 12.4156 [  $-(8*x^2+11*x+5)/(2*x^3+x^2-2*x-1)$  lgdogf]  
A002717 22.0998 [  $-(5+11*x+8*x^2)/(-1+x)/(1+2*x)/(1+x)$  lgdogf]  
A002717 4.09651 [  $\{(-3-n)*a(n+4)+(1-2*n)*a(n+3)+(12+n)*a(n+2)+(8+2*n)*a(n+1),$   
 $a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 13\}$ , ogf]  
A002720 16.2280 [  $-(-x+2)/(-x^2+2*x-1)$  lgdegf]  
A002720 16.3102 [  $-10+5*x+(1-8*x+5*x^2)*f(x)+(2-4*x+2*x^2)*f(x)^2$  lgdegf]  
A002720 5.48551 [  $\{(-n^2-4*n-4)*a(n+1)+(2*n+6)*a(n+2)-a(n+3), a(0) = 1, a(1) = 2,$   
 $a(2) = 7\}$ , ogf]  
A002721 4.19293 [  $-(x^8+3*x^7+60*x^6+7*x^5+168*x^4+7*x^3+60*x^2+3*x+1)/(x-1)^9$   
ogf]  
A002727 4.62198 [  $(x^6+x^4+2*x^3+x^2+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^8$  ogf]  
A002727 6.65405 [  $-2*(2+7*x$   
 $+4*x^9+11*x^7+24*x^4+22*x^3+6*x^8+23*x^6+30*x^5+15*x^2)/(-1+x)/(1+x)/(x^2+x+1)/$   
 $(x^6+x^4+2*x^3+x^2+1)$  lgdogf]  
A002736 13.5453 [  $-(12*x+12)/(8*x^2+2*x-1)$  lgdogf]  
A002736 25.6869 [  $-12*(1+x)/(1+2*x)/(-1+4*x)$  lgdogf]  
A002736 4.45570 [  $\{(n+2)*a(n+3)+(-14-2*n)*a(n+2)+(-12-8*n)*a(n+1), a(0) = 0, a(1)$   
 $= 2, a(2) = 24\}$ , ogf]  
A002738 14.3036 [  $-(60*x+20)/(24*x^2-2*x-1)$  lgdogf]  
A002738 4.67619 [  $\{(-n-3)*a(n+3)+(16-2*n)*a(n+2)+(84+24*n)*a(n+1), a(0) = 3, a(1)$   
 $= 60, a(2) = 630\}$ , ogf]  
A002740 6.48358 [  $\{(-4*n^2+2*n)*a(n)+(n^2-n-2)*a(n+1), a(0) = 0, a(1) = 0, a(2) =$   
 $0, a(3) = 2\}$ , ogf]  
A002740 8.71231 [  $(-3/(-1+4*x)^(3/2)*(30*x^2-11*x+1)+3*I)/(9*x-2)/$   
 $x*(-1+4*x)^(1/2)$  lgdogf]  
A002741 5.02366 [  $\{(-n-2)*a(n+1)+(-2*n-4)*a(n+2)+(-n-1)*a(n+3)+a(n+4), a(0) = 0,$   
 $a(1) = 1, a(2) = -1, a(3) = 2\}$ , ogf]  
A002747 16.1944 [  $-(-2+7*x+2*x^4+x^5)/(-1+x)/(1+x)/(x^3+x^2-x+1)$  lgdegf]  
A002747 9.04129 [  $-(-x^5-2*x^4-7*x+2)/(-x^5-x^4+2*x^3-x+1)$  lgdegf]  
A002754 12.5960 [  $-(27*x-11)/(9*x^2-10*x+1)$  lgdogf]  
A002754 13.6680 [  $-4*x^2/(9*x-1)/(x-1)^2$  ogf]  
A002754 23.5668 [  $-(-11+27*x)/(-1+9*x)/(-1+x)$  lgdogf]  
A002754 5.73566 [  $\{a(n+3)-11*a(n+2)+19*a(n+1)-9*a(n), a(0) = 0, a(1) = 0, a(2) =$   
 $4\}$ , ogf]  
A002775 13.6114 [  $-(x+1)*x/(x-1)^3$  egf]  
A002775 17.6330 [  $-(2*x+4)/(x^2-1)$  lgdegf]  
A002775 36.5037 [  $-2*(x+2)/(-1+x)/(1+x)$  lgdegf]  
A002775 4.67380 [  $\{(-n^2-4*n-4)*a(n+1)+(-n^2-6*n-13)*a(n+2)+(n+2)*a(n+3), a(0) =$   
 $0, a(1) = 1, a(2) = 8\}$ , ogf]  
A002776 12.4779 [  $-(5+9*x+x^3+9*x^2)/(-1+x)/(x^3+3*x^2+x+1)$  lgdegf]  
A002776 3.16530 [  $\{(-160*n^3-1071*n^2-2364*n-1724)*a(n$   
 $+1)+(19*n^3+278*n^2+231*n-953)*a(n+2)+(-19*n^2-4*n+159)*a(n+3), a(0) = 1, a(1) =$   
 $5, a(2) = 34\}$ , ogf]  
A002776 8.71486 [  $(x^3+3*x^2+x+1)/(x-1)^4$  egf]  
A002776 8.82953 [  $-(-x^3-9*x^2-9*x-5)/(-x^4-2*x^3+2*x^2+1)$  lgdegf]  
A002783 11.2707 [  $-(3-14*x+24*x^4-36*x^3+27*x^2)/(-1+x)/(3*x-1)/(-1+2*x)/$   
 $(4*x^2-3*x+1)$  lgdogf]  
A002783 12.5764 [  $-(4*x^2-3*x+1)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A002783 6.83978 [  $\{a(n+3)-6*a(n+2)+11*a(n+1)-6*a(n), a(0) = 1, a(1) = 3, a(2) =$   
 $11\}$ , ogf]  
A002783 7.49745 [  $-(24*x^4-36*x^3+27*x^2-14*x+3)/$   
 $(24*x^5-62*x^4+63*x^3-33*x^2+9*x-1)$  lgdogf]  
A002789 10.8272 [  $-(x^2+2*x+2)/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A002793 5.37096 [  $\{(-n^2-4*n-4)*a(n+1)+(2*n+6)*a(n+2)-a(n+3), a(0) = 0, a(1) = 1,$   
 $a(2) = 4\}$ , ogf]  
A002797 6.41691 [  $-(5*x^6+7*x^5+2*x^4+5*x^3-x+3)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A002798 10.4478 [  $3*(2*x^2+9*x+6)/(x+1)/(x-1)^2$  ogf]  
A002798 12.8633 [  $-(15+31*x+2*x^3+20*x^2)/(-1+x)/(1+x)/(2*x^2+9*x+6)$  lgdogf]  
A002798 5.72357 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 18, a(1) = 45, a(2) = 69\}$ ,  
ogf]



A002798 7.93024  $[-(2*x^3+20*x^2+31*x+15)/(2*x^4+9*x^3+4*x^2-9*x-6) \text{ lgdogf}]$   
A002799 15.4426  $[-(-x^3-x^2-x-1)/(-x+1) \text{ ogf\_with\_Euler\_transform}]$   
A002801 22.3404  $[-(-1+x)/(-2*x+1) \text{ lgdegf}]$   
A002801 51.8278  $-1+x+(1-2*x)*f(x) \text{ lgdegf}$   
A002801 6.66877  $[{(n+2)*a(n+1)+(-2*n-5)*a(n+2)+a(n+3), a(0) = 1, a(1) = 1, a(2) = 2}, \text{ ogf}]$   
A002802 24.1108  $[10/(-4*x+1) \text{ lgdogf}]$   
A002802 42.9170  $-10+(1-4*x)*f(x) \text{ lgdogf}$   
A002802 6.59636  $[{(-n-2)*a(n+2)+(14+4*n)*a(n+1), a(0) = 1, a(1) = 10}, \text{ ogf}]$   
A002803 11.2040  $[-(10*x+15)/(4*x^2+3*x-1) \text{ lgdogf}]$   
A002803 21.9287  $-5*(2*x+3)/(1+x)/(-1+4*x) \text{ lgdogf}$   
A002803 3.61421  $[{(-n-3)*a(n+3)+(21+3*n)*a(n+2)+(14+4*n)*a(n+1), a(0) = 1, a(1) = 15, a(2) = 140}, \text{ ogf}]$   
A002807 3.42475  $[{(-n^2-5*n-6)*a(n+1)+(2*n^2+10*n+12)*a(n+2)+(-n^2-6*n-7)*a(n+3)+(n+1)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1}, \text{ ogf}]$   
A002810 4.68748  $[ - (400*x^12-50*x^11-350*x^10-600*x^9-50*x^8-16*x^7-4*x^6-30*x^5-50*x^4-16*x^3-4*x^2-6*x-1)/(x-1)/(10*x^4-1)/(100*x^8+10*x^4+1) \text{ ogf}]$   
A002817 15.4649  $[-(-3*x^2-6*x-6)/(-x^3+1) \text{ lgdogf}]$   
A002817 23.5857  $-3*(2+2*x+x^2)/(-1+x)/(x^2+x+1) \text{ lgdogf}$   
A002817 31.9462  $[[-x^2+6] \text{ ogf\_with\_Euler\_transform}]$   
A002817 4.90351  $[{(-3-n)*a(n+4)+6*a(n+3)+6*a(n+2)+(n+3)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 21}, \text{ ogf}]$   
A002817 9.68887  $[-x*(x^2+x+1)/(x-1)^5 \text{ ogf}]$   
A002865 27.7888  $[-x/(x-1) \text{ ogf\_with\_Euler\_transform}]$   
A002866 20.4065  $[ (x-1)/(2*x-1) \text{ egf}]$   
A002866 20.9734  $[-1/(-2*x^2+3*x-1) \text{ lgdegf}]$   
A002866 29.2437  $1/(-1+2*x)/(-1+x) \text{ lgdegf}$   
A002866 5.31719  $[{(2*n^2+2*n)*a(n)+(-2*n^2-9*n-8)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 1}, \text{ ogf}]$   
A002867 12.4155  $[-(-8*x-2)/(-4*x^2+1) \text{ lgdegf}]$   
A002867 19.8044  $-2*(1+4*x)/(-1+2*x)/(1+2*x) \text{ lgdegf}$   
A002867 25.4628  $x*(1+x)/(1+2*x+2*x^2) \text{ revegf}$   
A002867 3.82014  $[-(2*x+1)*(x^8+10*x^6-45*x^4+35*x^2-7)/(231*x^8-462*x^6+297*x^4-77*x^2+7) \text{ egf}]$   
A002867 4.23473  $[{(4*n^2+20*n+24)*a(n+1)-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 2, a(2) = 12}, \text{ ogf}]$   
A002872 17.3871  $[\exp(2*x)+\exp(x) \text{ lgdegf}]$   
A002872 35.9488  $\exp(x)+\exp(2*x) \text{ lgdegf}$   
A002874 17.0493  $[\exp(x)+\exp(3*x) \text{ lgdegf}]$   
A002874 34.7444  $\exp(x)+\exp(3*x) \text{ lgdegf}$   
A002878 12.5419  $[-(x^2+2*x-4)/(x^3-2*x^2-2*x+1) \text{ lgdogf}]$   
A002878 17.8374  $[ (x+1)/(x^2-3*x+1) \text{ ogf}]$   
A002878 19.2458  $-1/2*(-1-3*x+(1+10*x+5*x^2)^(1/2))/(-1+x) \text{ revogf}$   
A002878 25.4541  $-(-4+2*x+x^2)/(1+x)/(x^2-3*x+1) \text{ lgdogf}$   
A002878 9.78882  $[{-a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 4}, \text{ ogf}]$   
A002889 14.2172  $-2*(-5-x+4*x^3+5*x^2)/(-1+x)/(1+x)/(x^2+x-1) \text{ lgdogf}$   
A002889 4.56134  $[ -(x+1)^3/(x-1)^3/(x^2+x-1)^4 \text{ ogf}]$   
A002889 7.78766  $[-(8*x^3+10*x^2-2*x-10)/(x^4+x^3-2*x^2-x+1) \text{ lgdogf}]$   
A002893 3.51811  $[{(9*n^2+36*n+36)*a(n+1)+(-10*n^2-50*n-63)*a(n+2)+(n^2+6*n+9)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 15}, \text{ ogf}]$   
A002894 5.72355  $[{(-16*n^2-48*n-36)*a(n+1)+(n^2+4*n+4)*a(n+2), a(0) = 1, a(1) = 4}, \text{ ogf}]$   
A002895 3.17687  $[{(64*n^3+384*n^2+768*n+512)*a(n+1)+(-20*n^3-150*n^2-378*n-320)*a(n+2)+(n^3+9*n^2+27*n+27)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 28}, \text{ ogf}]$   
A002897 3.53551  $[{(64*n^3+288*n^2+432*n+216)*a(n+1)+(-n^3-6*n^2-12*n-8)*a(n+2), a(0) = 1, a(1) = 8}, \text{ ogf}]$   
A002901 6.26768  $[ x*(7*x^3+5*x^2+5*x+1)/(x^2+x+1)/(x-1)^4 \text{ ogf}]$   
A002901 8.29582  $-(3*x^2+2*x+1)*(7*x^3+9*x^2+12*x+8)/(-1+x)/(x^2+x+1)/(7*x^3+5*x^2+5*x+1) \text{ lgdogf}$

A002928 18.8108  $4*x/(-1+x)/(1+x)/(1-6*x+x^2)$  lgdogf  
A002928 9.95812  $[-4*x/(-x^4+6*x^3-6*x+1)$  lgdogf]  
A002939 14.3199  $[-2*x*(3*x+1)/(x-1)^3$  ogf]  
A002939 17.0048  $[-(-6*x-6)/(-3*x^2+2*x+1)$  lgdogf]  
A002939 34.9861  $-6*(1+x)/(3*x+1)/(-1+x)$  lgdogf  
A002939 7.28779  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 12},$   
ogf]  
A002940 10.0456  $[-(x+1)/(x-1)/(x^2+x-1)^2$  ogf]  
A002940 15.4383  $-2*(-2-x+2*x^3+2*x^2)/(-1+x)/(1+x)/(x^2+x-1)$  lgdogf  
A002940 8.66435  $[-(-4*x^3-4*x^2+2*x+4)/(-x^4-x^3+2*x^2+x-1)$  lgdogf]  
A002941 15.1529  $-(-7-2*x+6*x^3+7*x^2)/(-1+x)/(1+x)/(x^2+x-1)$  lgdogf  
A002941 6.66858  $[-(x+1)^2/(x-1)^2/(x^2+x-1)^3$  ogf]  
A002941 8.50244  $[-(-6*x^3-7*x^2+2*x+7)/(-x^4-x^3+2*x^2+x-1)$  lgdogf]  
A002943 10.7851  $[-2*x*(x+3)/(x-1)^3$  ogf]  
A002943 12.5460  $[-(2*x+10)/(x^2+2*x-3)$  lgdogf]  
A002943 28.7543  $-2*(x+5)/(x+3)/(-1+x)$  lgdogf  
A002943 5.48887  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 20},$   
ogf]  
A002965 12.9899  $[x*(x^2-x-1)/(x^4+2*x^2-1)$  ogf]  
A002965 13.7048  $-(-1-2*x-3*x^4-4*x^3+2*x^5-2*x^2)/(x^2-x-1)/(x^4+2*x^2-1)$  lgdogf  
A002999 7.12027  $[(8*x^5-14*x^4+18*x^3-15*x^2+6*x-1)/(x-1)^2/(2*x-1)^3$  ogf]  
A002999 8.50300  $-2*(1+x)*(14*x^4-26*x^3+18*x^2-6*x+1)/(-1+x)/(-1+2*x)/$   
 $(8*x^5-14*x^4+18*x^3-15*x^2+6*x-1)$  lgdogf  
A003013 5.32867  $[(8*x^5-22*x^4+30*x^3-21*x^2+7*x-1)/(x-1)^2/(2*x-1)^3$  ogf]  
A003013 6.47832  $-(-1+x)*(12*x^4-20*x^3+12*x^2-4*x+1)/(-1+x)/(-1+2*x)/$   
 $(8*x^5-22*x^4+30*x^3-21*x^2+7*x-1)$  lgdogf  
A003058 5.06637  $[-(-x^2-x-1)/(x^2+1)$  ogf\_with\_Euler\_transform]  
A003063 11.8846  $[-(-24*x^2+12*x-1)/(-24*x^3+26*x^2-9*x+1)$  lgdogf]  
A003063 17.9589  $[(4*x-1)/(3*x-1)/(2*x-1)$  ogf]  
A003063 19.0814  $-(-1-12*x+24*x^2)/(3*x-1)/(-1+2*x)/(-1+4*x)$  lgdogf  
A003063 20.5492  $1/4*(-1+5*x+(1+6*x+x^2)^(1/2))/(-2+3*x)$  revogf  
A003063 9.85551  $[{a(n+2)-5*a(n+1)+6*a(n), a(0) = -1, a(1) = -1},$  ogf]  
A003073 4.85873  $[(2*x^20+2*x^19-x^17+2*x^14+x^12-2*x^11-$   
 $x^10+x^8+x^7+x^6+x^4+2*x^2+x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)/(2*x^3-1)$  ogf]  
A003079 12.5715  $[-(10*x^4+20*x^3+7*x^2+14*x+5)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A003079 7.41233  $-(-14+14*x+40*x^7+25*x^4+40*x^3+10*x^8+21*x^6+56*x^5+60*x^2)/$   
 $(-1+x)/(10*x^4+20*x^3+7*x^2+14*x+5)/(x^4+x^3+x^2+x+1)$  lgdogf  
A003082 5.49233  $[(x^8-x^7+x^6+x^4+x^2-x+1)/(x^2+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^6$   
ogf]  
A003105 19.5188  $[-(-x^4-1)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A003106 20.0712  $[-(x^2+x)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A003114 19.6528  $[-(-x^3-1)/(-x^5+1)$  ogf\_with\_Euler\_transform]  
A003120 5.02331  $-(-2*x$   
 $+2*x^11+12*x^9-12*x^7-7*x^4+22*x^3+x^10-4*x^8+9*x^6-10*x^5-8*x^2+1)/(-1+x)/$   
 $(x^2+2*x-1)/(x^5+3*x^3-2*x^2-2*x+1)/(x^4+2*x^2-1)$  lgdogf  
A003143 5.78449  $-(-2*x$   
 $+2*x^11+6*x^9+2*x^7-2*x^4+2*x^3-4*x^10+2*x^8+5*x^6-4*x^5-1)/(-1+x)/(x^2+x+1)/$   
 $(x^2-x+1)/(2*x^2-1)/(x^7-x^6+x^5-x^4+x^3+1)$  lgdogf  
A003143 6.14707  $[(x^7-x^6+x^5-x^4+x^3+1)/(x-1)/(2*x^2-1)/(x^2+x+1)/(x^2-x+1)$   
ogf]  
A003148 12.6737  $-(-1+6*x)/(-1+2*x)/(1+2*x)$  lgdegf  
A003148 15.4552  $[-(-6*x-1)/(-4*x^2+1)$  lgdegf]  
A003148 5.31274  $[{(-4*n^2-18*n-20)*a(n+1)+a(n+3)-a(n+2), a(0) = 1, a(1) = 1,$   
 $a(2) = 7},$  ogf]  
A003149 4.21549  $[{(n^2+6*n+9)*a(n+1)+(-3*n-10)*a(n+2)+2*a(n+3), a(0) = 1, a(1) =$   
 $2, a(2) = 5},$  ogf]  
A003154 11.5115  $[-(x^2+22*x+13)/(x^3+9*x^2-9*x-1)$  lgdogf]  
A003154 12.2542  $[-(x^2+10*x+1)/(x-1)^3$  ogf]  
A003154 21.9035  $-(-13+22*x+x^2)/(-1+x)/(x^2+10*x+1)$  lgdogf  
A003154 6.66458  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 13, a(2) =$   
 $37},$  ogf]

A003168 19.6319  $1/2*(1+x+(1-6*x+x^2)^{(1/2)})*x$  revogf  
A003169 11.8853  $[-(-x^3+2*x^2-x)/(x+1)$  revogf]  
A003169 37.8662  $x*(-1+x)^2/(x+1)$  revogf  
A003185 15.1001  $-3*(-15-18*x+x^2)/(-1+x)/(3*x^2-30*x-5)$  lgdogf  
A003185 5.24355  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 45, a(2) = 117},$  ogf]  
A003185 8.86776  $[-(-3*x^2+54*x+45)/(-3*x^3+33*x^2-25*x-5)$  lgdogf]  
A003185 9.72594  $[ (3*x^2-30*x-5)/(x-1)^3$  ogf]  
A003215 12.5574  $[-(x^2+10*x+7)/(x^3+3*x^2-3*x-1)$  lgdogf]  
A003215 13.3809  $[ -(x^2+4*x+1)/(x-1)^3$  ogf]  
A003215 25.0260  $-(7+10*x+x^2)/(-1+x)/(x^2+4*x+1)$  lgdogf  
A003215 7.22329  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 7, a(2) = 19},$  ogf]  
A003221 10.4195  $4*x^3-8*x^2+(8-8*x+7*x^3-10*x^2)*f(x)+(-3*x^2+6-6*x$   
 $+3*x^3)*f(x)^2$  lgdegf  
A003221 10.6803  $[-(-x^3+2*x^2)/(-x^3+x^2+2*x-2)$  lgdegf]  
A003222 6.77576  $[ 2*(7*x^3+26*x^2-6*x+1)/(8*x-1)/(x-1)^3$  ogf]  
A003222 8.09721  $-(-5-8*x+56*x^4+528*x^3+17*x^2)/(-1+x)/(-1+8*x)/$   
 $(7*x^3+26*x^2-6*x+1)$  lgdogf  
A003229 14.6998  $[ -(2*x^2+1)/(2*x^3+x-1)$  ogf]  
A003229 16.8084  $-(1+4*x+4*x^4+4*x^2)/(2*x^2+1)/(2*x^3+x-1)$  lgdogf  
A003229 7.66264  $[{a(n+3)-a(n+2)-2*a(n), a(0) = 1, a(1) = 1, a(2) = 3},$  ogf]  
A003229 9.00360  $[-(-4*x^4-4*x^2-4*x-1)/(-4*x^5-4*x^3+2*x^2-x+1)$  lgdogf]  
A003230 10.9147  $-2*(2-5*x+10*x^4-12*x^3+6*x^2)/(-1+x)/(-1+2*x)/(2*x^3+x-1)$   
lgdogf  
A003230 12.1985  $[ -1/(2*x-1)/(x-1)/(2*x^3+x-1)$  ogf]  
A003232 11.3355  $(-7+4*x+2*x^3-3*x^2)/(-1+x)/(-1+2*x)/(x^2-4*x-1)$  lgdogf  
A003232 4.80289  $[{a(n+4)-4*a(n+3)+4*a(n+2), a(0) = 1, a(1) = 7, a(2) = 19, a(3)$   
 $= 49},$  ogf]  
A003232 6.79433  $[-(-2*x^3+3*x^2-4*x+7)/(2*x^4-11*x^3+11*x^2-x-1)$  lgdogf]  
A003232 9.13336  $[ (x-1)*(x^2-4*x-1)/(2*x-1)^2$  ogf]  
A003245 6.07758  $(-240+1008*x+8*x^7-475*x^4+1056*x^3-35*x^6+144*x^5-1440*x^2)/$   
 $(504*x^2+24-240*x+x^8+264*x^4-480*x^3+24*x^6-95*x^5-5*x^7)$  lgdogf  
A003261 10.7067  $[ (4*x^2-2*x-1)/(x-1)/(2*x-1)^2$  ogf]  
A003261 12.5448  $-(7-10*x+8*x^3-4*x^2)/(-1+x)/(-1+2*x)/(4*x^2-2*x-1)$  lgdogf  
A003261 5.77974  $[{-a(n+3)+5*a(n+2)-8*a(n+1)+4*a(n), a(0) = 1, a(1) = 7, a(2) = 23},$  ogf]  
A003261 7.96477  $[-(-8*x^3+4*x^2+10*x-7)/(-8*x^4+16*x^3-8*x^2-x+1)$  lgdogf]  
A003264 4.57325  $[$   
 $x*(4*x^9-23*x^8+90*x^7-240*x^6+386*x^5-240*x^4-240*x^3+480*x^2-240*x+24)/(x-1)/$   
 $(x+1)$  ogf]  
A003269 16.7648  $[-(4*x^3+1)/(x^4+x-1)$  lgdogf]  
A003269 17.5529  $-a(n+4)+a(n+3)+a(n), a(0)=1, a(1)=1, a(2)=1, a(3)=5$  lgdogf  
A003269 23.5613  $[ -x/(x^4+x-1)$  ogf]  
A003272 4.53861  $[$   
 $x*(4*x^9-24*x^8+90*x^7-240*x^6+385*x^5-240*x^4-240*x^3+480*x^2-240*x+24)/(x-1)/$   
 $(x+1)$  ogf]  
A003274 8.03519  $[ -(x^6-x^5+x^3+2*x^2-2*x+1)/(x^3+x-1)/(x-1)^2$  ogf]  
A003274 8.95874  $-2*(x^2-x+1)*(x^5-2*x^4+5*x^3+x^2-2*x-1)/(-1+x)/(x^3+x-1)/$   
 $(x^5-2*x^3+3*x^2-x+1)$  lgdogf  
A003293 20.8922  $[1/(x^3-x^2-x+1)$  ogf\_with\_Euler\_transform]  
A003402 20.3134  $[x^4+x^3+2*x^2+x+1$  ogf\_with\_Euler\_transform]  
A003402 4.92454  $[ 1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^6$  ogf]  
A003408 4.71899  $[{(27*n^3+297*n^2+1086*n+1320)*a(n$   
 $+1)+(-4*n^3-46*n^2-166*n-180)*a(n+2), a(0) = 1, a(1) = 9},$  ogf]  
A003408 6.56117  $1296-9261*x$   
 $+(-144+2709*x-11907*x^2)*f(x)+(-96*x-5103*x^3+1404*x^2)*f(x)^2+(-16*x^2+216*x^3-$   
 $729*x^4)*f(x)^3$  lgdogf  
A003409 14.6307  $[-(x^2+3*x)/(-4*x^2-12*x-9)$  revogf]  
A003409 44.8468  $x*(3+x)/(3+2*x)^2$  revogf  
A003409 7.38503  $[{(-4*n-10)*a(n+1)+(n+3)*a(n+2), a(0) = 3, a(1) = 9},$  ogf]

A003410 13.2350 [  $-(x+1)*(x^2+1)/(x^3+x-1)$  ogf]  
A003410 18.8663  $-(2+2*x+x^4+5*x^2)/(1+x)/(1+x^2)/(x^3+x-1)$  lgdogf  
A003410 7.08190 [  $\{a(n+4)-a(n+3)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5\}$ , ogf]  
A003410 9.61115 [  $(-(-x^4-5*x^2-2*x-2)/(-x^6-x^5-2*x^4-x^3+1))$  lgdogf]  
A003411 11.5719 [  $-(x^4+x^3+x^2+x+1)/(x^4+x-1)$  ogf]  
A003411 13.5056  $-(2+2*x+6*x^3+x^6+2*x^5+2*x^2)/(x^4+x^3+x^2+x+1)/(x^4+x-1)$  lgdogf  
A003412 6.39671 [  $-(3*x^{11}+2*x^{10}+2*x^9+x^8+x^7+2*x^6+2*x^5+2*x^4+x^3+x^2+x+1)/(x^6+x-1)$  ogf]  
A003413 8.09081  $(-2-2*x-2*x^9+2*x^7-7*x^4-2*x^3+x^{12}-2*x^{10}-3*x^8-7*x^6-4*x^5-2*x^2)/(x^2+x+1)/(x^5+x^3+1)/(x^6+x-1)$  lgdogf  
A003413 8.86630 [  $-(x^2+x+1)*(x^5+x^3+1)/(x^6+x-1)$  ogf]  
A003417 13.0479 [  $(x^6-x^4-3*x^3+2*x^2+x+2)/(x^2+x+1)^2/(x-1)^2$  ogf]  
A003417 13.1455  $(-1-4*x-8*x^4-x^3+2*x^6+3*x^5-3*x^2)/(-1+x)/(x^2+x+1)/(x^6-x^4-3*x^3+2*x^2+x+2)$  lgdogf  
A003422 5.04508 [  $\{(-2-n)*a(n+1)+(n+3)*a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A003451 10.3071 [  $(-(-4*x^3+8*x^2+8*x+4)/(-x^4+2*x^3+2*x^2-2*x-1))$  lgdogf]  
A003451 17.5887  $-4*(-1-2*x+x^3-2*x^2)/(-1+x)/(1+x)/(x^2-2*x-1)$  lgdogf  
A003451 9.70078 [  $-(x^2-2*x-1)/(x+1)^2/(x-1)^4$  ogf]  
A003452 7.76145 [  $(-3*x^4+6*x^3-10*x^2-16*x-7)/(x^5+x^4-4*x^3-3*x^2+3*x+2)$  lgdogf]  
A003452 8.17873 [  $-(x+2)*(x^2-x-1)/(x+1)^2/(x-1)^4$  ogf]  
A003453 15.0448  $(-(-3-6*x+4*x^3-3*x^2)/(-1+x)/(1+x)/(x^2-x-1))$  lgdogf  
A003453 7.96489 [  $-(x^2-x-1)/(x+1)^2/(x-1)^4$  ogf]  
A003453 8.46270 [  $(-(-4*x^3+3*x^2+6*x+3)/(-x^4+x^3+2*x^2-x-1))$  lgdogf]  
A003461 13.6014 [  $-(3*x^2+5*x-4)/(2*x-1)/(x-1)$  ogf]  
A003461 15.3698  $(-7-22*x+19*x^2)/(-1+x)/(-1+2*x)/(3*x^2+5*x-4)$  lgdogf  
A003461 6.99878 [  $\{a(n+3)-3*a(n+2)+2*a(n+1), a(0) = 4, a(1) = 7, a(2) = 10\}$ , ogf]  
A003461 9.48518 [  $(-19*x^2-22*x+7)/(6*x^4+x^3-20*x^2+17*x-4)$  lgdogf]  
A003462 13.9387 [  $(-6*x-4)/(3*x^2-4*x+1)$  lgdogf]  
A003462 18.8334  $-1/6*(-1-4*x+(1+8*x+4*x^2)^{(1/2)})/x$  revogf  
A003462 20.2744 [  $x/(x-1)/(3*x-1)$  ogf]  
A003462 25.3526  $-2*(-2+3*x)/(3*x-1)/(-1+x)$  lgdogf  
A003462 8.25995 [  $\{a(n+2)-4*a(n+1)+3*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A003463 14.0742 [  $(-10*x-6)/(5*x^2-6*x+1)$  lgdogf]  
A003463 17.8974  $-1/10*(-6*x-1+(16*x^2+12*x+1)^{(1/2)})/x$  revogf  
A003463 20.8981 [  $x/(5*x-1)/(x-1)$  ogf]  
A003463 27.2041  $-2*(5*x-3)/(5*x-1)/(-1+x)$  lgdogf  
A003463 8.51404 [  $\{a(n+2)-6*a(n+1)+5*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A003464 12.6165 [  $(-12*x-7)/(6*x^2-7*x+1)$  lgdogf]  
A003464 16.0246  $-1/12*(-1-7*x+(1+14*x+25*x^2)^{(1/2)})/x$  revogf  
A003464 18.7336 [  $x/(6*x-1)/(x-1)$  ogf]  
A003464 24.3574  $(-7+12*x)/(6*x-1)/(-1+x)$  lgdogf  
A003464 7.63220 [  $\{a(n+2)-7*a(n+1)+6*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A003467 3.69938 [  $(256*x^8-1280*x^7+2656*x^6-2960*x^5+2690*x^4-1512*x^3+460*x^2-72*x+5)/(4*x-1)^4/(x-1)^4$  ogf]  
A003467 4.02014 [  $\{(-4*n^2-36*n-80)*a(n)+(5*n^2+30*n+25)*a(n+1)+(-n^2-3*n-2)*a(n+2), a(0) = 5, a(1) = 28, a(2) = 190\}$ , ogf]  
A003468 8.17433  $-2*(-11+179*x+1680*x^3-957*x^2)/(6*x-1)/(-1+4*x)/(7*x-1)/(5*x-1)$  lgdogf  
A003468 9.54854 [  $1/(6*x-1)/(4*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A003469 15.7034  $(-6-16*x+6*x^3+7*x^2)/(-1+x)/(-1+2*x)/(x^2+x-1)$  lgdogf  
A003469 9.27981 [  $(-6*x^3+7*x^2-16*x+6)/(2*x^4-x^3-4*x^2+4*x-1)$  lgdogf]  
A003469 9.39581 [  $(x^2+x-1)/(2*x-1)^2/(x-1)^3$  ogf]  
A003472 10.6300 [  $-1/(2*x-1)^5$  ogf]  
A003472 21.2601 [  $10/(-2*x+1)$  lgdogf]  
A003472 5.81643 [  $\{(-n-2)*a(n+2)+(12+2*n)*a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]

A003472 50.3191  $-10/(-1+2*x) \text{ lgdogf}$   
A003476 4.71471  $[ \{a(n+3)-a(n+2)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 3\}, \text{ ogf} ]$   
A003476 8.36194  $[ -(x^2+x+1)/(2*x^3+x-1) \text{ ogf} ]$   
A003476 9.76940  $-(x^2+2*x+2)*(2*x^2+1)/(x^2+x+1)/(2*x^3+x-1) \text{ lgdogf}$   
A003477 10.3540  $-(-3+6*x-10*x^4+24*x^3+24*x^5-15*x^2)/(-1+2*x)/(1+x^2)/(2*x^3+x-1) \text{ lgdogf}$   
A003477 10.7246  $[ 1/(2*x-1)/(x^2+1)/(2*x^3+x-1) \text{ ogf} ]$   
A003478 16.3408  $[ 1/(2*x-1)/(2*x^3+x-1) \text{ ogf} ]$   
A003478 18.2957  $-(-3+4*x+16*x^3-6*x^2)/(-1+2*x)/(2*x^3+x-1) \text{ lgdogf}$   
A003478 9.88520  $[ -(16*x^3-6*x^2+4*x-3)/(4*x^4-2*x^3+2*x^2-3*x+1) \text{ lgdogf} ]$   
A003479 16.4842  $[ 1/(x-1)/(2*x^3+x-1) \text{ ogf} ]$   
A003479 18.1864  $-2*(-1+x+4*x^3-3*x^2)/(-1+x)/(2*x^3+x-1) \text{ lgdogf}$   
A003479 9.27236  $[ -(8*x^3-6*x^2+2*x-2)/(2*x^4-2*x^3+x^2-2*x+1) \text{ lgdogf} ]$   
A003480 11.8431  $[ (x-1)^2/(2*x^2-4*x+1) \text{ ogf} ]$   
A003480 14.2655  $[ 2/(-2*x^3+6*x^2-5*x+1) \text{ lgdogf} ]$   
A003480 26.7307  $-2/(-1+x)/(2*x^2-4*x+1) \text{ lgdogf}$   
A003480 6.15375  $[ \{-a(n+3)+4*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 2, a(2) = 7\}, \text{ ogf} ]$   
A003481 12.2121  $[ (x^2-4*x-2)/(x-1)/(x^2-7*x+1) \text{ ogf} ]$   
A003481 12.4166  $-(-20+34*x+x^4-8*x^3+18*x^2)/(-1+x)/(x^2-7*x+1)/(x^2-4*x-2) \text{ lgdogf}$   
A003481 6.47775  $[ \{-a(n+3)+8*a(n+2)-8*a(n+1)+a(n), a(0) = 2, a(1) = 20, a(2) = 143\}, \text{ ogf} ]$   
A003481 7.23244  $[ -(x^4-8*x^3+18*x^2+34*x-20)/(x^5-12*x^4+38*x^3-17*x^2-12*x+2) \text{ lgdogf} ]$   
A003482 12.2557  $[ x*(x-5)/(x-1)/(x^2-7*x+1) \text{ ogf} ]$   
A003482 14.0674  $-(-39+80*x+2*x^3-23*x^2)/(-1+x)/(x-5)/(x^2-7*x+1) \text{ lgdogf}$   
A003482 6.23728  $[ \{-a(n+3)+8*a(n+2)-8*a(n+1)+a(n), a(0) = 0, a(1) = 5, a(2) = 39\}, \text{ ogf} ]$   
A003482 8.12297  $[ -(2*x^3-23*x^2+80*x-39)/(x^4-13*x^3+48*x^2-41*x+5) \text{ lgdogf} ]$   
A003485 10.2792  $-2*(1+3*x+5*x^4+6*x^3+4*x^6+5*x^5+8*x^2)/(-1+x)/(1+x)/(1+x^2)/(4*x^3+2*x^2+x+1) \text{ lgdogf}$   
A003485 12.0091  $[ (4*x^3+2*x^2+x+1)/(x+1)/(x^2+1)/(x-1)^2 \text{ ogf} ]$   
A003486 14.5041  $-6*(1+3*x+9*x^2)/(3*x-1)/(18*x^2-3*x+1) \text{ lgdogf}$   
A003486 5.02630  $[ \{a(n+3)-9*a(n+2)+27*a(n+1)-27*a(n), a(0) = 1, a(1) = 6, a(2) = 45\}, \text{ ogf} ]$   
A003486 8.50035  $[ -(-54*x^2-18*x-6)/(-54*x^3+27*x^2-6*x+1) \text{ lgdogf} ]$   
A003486 9.03162  $[ -(18*x^2-3*x+1)/(3*x-1)^3 \text{ ogf} ]$   
A003499 11.1913  $[ -(-3*x^2+2*x-3)/(-3*x^3+19*x^2-9*x+1) \text{ lgdogf} ]$   
A003499 16.1652  $[ -2*(3*x-1)/(x^2-6*x+1) \text{ ogf} ]$   
A003499 21.0262  $-(-3-2*x+3*x^2)/(3*x-1)/(1-6*x+x^2) \text{ lgdogf}$   
A003499 8.87115  $[ \{a(n+2)-6*a(n+1)+a(n), a(0) = 2, a(1) = 6\}, \text{ ogf} ]$   
A003500 14.0540  $[ -2*(2*x-1)/(x^2-4*x+1) \text{ ogf} ]$   
A003500 18.7794  $-2*(1-x+x^2)/(-1+2*x)/(x^2-4*x+1) \text{ lgdogf}$   
A003500 7.71259  $[ \{a(n+2)-4*a(n+1)+a(n), a(0) = 2, a(1) = 4\}, \text{ ogf} ]$   
A003500 9.88175  $[ -(-2*x^2+2*x-2)/(-2*x^3+9*x^2-6*x+1) \text{ lgdogf} ]$   
A003501 13.3258  $[ -(5*x-2)/(x^2-5*x+1) \text{ ogf} ]$   
A003501 17.2735  $-(-5-4*x+5*x^2)/(5*x-2)/(x^2-5*x+1) \text{ lgdogf}$   
A003501 7.31295  $[ \{a(n+2)-5*a(n+1)+a(n), a(0) = 2, a(1) = 5\}, \text{ ogf} ]$   
A003501 9.08579  $[ -(-5*x^2+4*x-5)/(-5*x^3+27*x^2-15*x+2) \text{ lgdogf} ]$   
A003516 10.1723  $-35+144*x+(5-44*x+96*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2 \text{ lgdogf}$   
A003516 4.64912  $[ \{(-4*n^2-34*n-72)*a(n+1)+(n^2+9*n+14)*a(n+2), a(0) = 1, a(1) = 7\}, \text{ ogf} ]$   
A003516 6.88966  $[ (-1/2*(24*x-5)/(-1+4*x)^(1/2)+5/2*I)/(-1+4*x)^(1/2)/x \text{ lgdogf} ]$   
A003517 10.7324  $[ 12/(1-4*x)^(1/2)/(1+(1-4*x)^(1/2)) \text{ lgdogf} ]$   
A003517 18.8814  $-36+(6-24*x)*f(x)+(x-4*x^2)*f(x)^2 \text{ lgdogf}$   
A003517 5.27966  $[ \{(-4*n^2-34*n-72)*a(n+1)+(n^2+10*n+16)*a(n+2), a(0) = 1, a(1) = 6\}, \text{ ogf} ]$   
A003518 10.2803  $[ 16/(1-4*x)^(1/2)/(1+(1-4*x)^(1/2)) \text{ lgdogf} ]$   
A003518 18.0752  $-64+(8-32*x)*f(x)+(x-4*x^2)*f(x)^2 \text{ lgdogf}$   
A003518 5.01678  $[ \{(-4*n^2-42*n-110)*a(n+1)+(n^2+12*n+20)*a(n+2), a(0) = 1, a(1) = 8\}, \text{ ogf} ]$

A003519 10.1662  $20/(1-4*x)^{(1/2)}/(1+(1-4*x)^{(1/2)})$  lgdogf  
A003519 12.8755  $[20/(1-4*x)^{(1/2)}/(1+(1-4*x)^{(1/2)})$  lgdogf]  
A003519 6.23339  $[{-4*n^2-50*n-156}*a(n+1)+(n^2+14*n+24)*a(n+2), a(0) = 1, a(1) = 10}$ , ogf]  
A003520 16.8615  $[-(5*x^4+1)/(x^5+x-1)$  lgdogf]  
A003520 26.5696  $[ -1/(x^2-x+1)/(x^3+x^2-1)$  ogf]  
A003520 26.9085  $-(1+5*x^4)/(x^2-x+1)/(x^3+x^2-1)$  lgdogf  
A003522 12.0628  $-(-1+3*x+2*x^4-3*x^3-3*x^2)/(-1+x)/(x^4+x^3-3*x^2+3*x-1)$  lgdogf  
A003522 7.83793  $[ -(-2*x^4+3*x^3+3*x^2-3*x+1)/(-x^5+4*x^3-6*x^2+4*x-1)$  lgdogf]  
A003522 9.99620  $[ -(x-1)^2/(x^4+x^3-3*x^2+3*x-1)$  ogf]  
A003539 10.4851  $-(1777-3522*x+1713*x^2)/(-1+x)/(3*x-1)/(571*x-587)$  lgdogf  
A003539 10.9436  $[ -(571*x-587)/(x-1)/(3*x-1)$  ogf]  
A003539 6.16363  $[{-a(n+2)+4*a(n+1)-3*a(n), a(0) = 587, a(1) = 1777}$ , ogf]  
A003539 6.38376  $[ -(-1713*x^2+3522*x-1777)/(-1713*x^3+4045*x^2-2919*x+587)$  lgdogf]  
A003539 9.89156  $-1/2*(-587-4*x+(344569+2412*x+4*x^2)^{(1/2)})/(571+3*x)$  revogf  
A003555 3.57852  $[{a(n+3)-111*a(n+2)+1110*a(n+1)-1000*a(n), a(0) = 1, a(1) = 66, a(2) = 6216}$ , ogf]  
A003555 6.37466  $-6*(-11+370*x+15000*x^3-8825*x^2)/(-1+x)/(100*x-1)/(10*x-1)/(45*x-1)$  lgdogf  
A003555 7.15703  $[ (45*x-1)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A003575 14.3950  $-3*a(n)+(n+1)*a(n+1), a(0)=2, a(1)=3$  lgdegf  
A003576 13.2475  $4*a(n)+(-n-1)*a(n+1), a(0)=2, a(1)=4$  lgdegf  
A003577 13.9701  $5*a(n)+(-n-1)*a(n+1), a(0)=2, a(1)=5$  lgdegf  
A003578 14.6124  $6*a(n)+(-n-1)*a(n+1), a(0)=2, a(1)=6$  lgdegf  
A003579 13.3003  $-7*a(n)+(n+1)*a(n+1), a(0)=2, a(1)=7$  lgdegf  
A003579 15.3170  $[1+\exp(7*x)$  lgdegf]  
A003580 13.6938  $8*a(n)+(-n-1)*a(n+1), a(0)=2, a(1)=8$  lgdegf  
A003580 15.7597  $[1+\exp(8*x)$  lgdegf]  
A003581 14.0086  $-9*a(n)+(n+1)*a(n+1), a(0)=2, a(1)=9$  lgdegf  
A003581 16.1139  $[1+\exp(9*x)$  lgdegf]  
A003582 13.4205  $10*a(n)+(-n-1)*a(n+1), a(0)=2, a(1)=10$  lgdegf  
A003590 18.6494  $1331-363*f(x)+33*f(x)^2-f(x)^3$  lgdegf  
A003600 16.2795  $-(2+2*x+x^3-x^2)/(-1+x)/(x^4-3*x^3+4*x^2-2*x+1)$  lgdogf  
A003600 8.86778  $[ -(-x^3+x^2-2*x-2)/(-x^5+4*x^4-7*x^3+6*x^2-3*x+1)$  lgdogf]  
A003600 9.18076  $[ (x^4-3*x^3+4*x^2-2*x+1)/(x-1)^4$  ogf]  
A003619 6.56500  $[ -(x^18-x^17+x^6-x^5+x^2-x-1)/(x-1)^2$  ogf]  
A003619 6.77447  $(3-x+5*x^4+4*x^6-9*x^5+16*x^18-33*x^17+17*x^16)/(-1+x)/(x^18-x^17+x^6-x^5+x^2-x-1)$  lgdogf  
A003645 18.8130  $[-x/(-4*x^2-4*x-1)$  revogf]  
A003645 22.4235  $8/(1-8*x)^{(1/2)}/(1+(1-8*x)^{(1/2)})$  lgdogf  
A003645 67.2705  $x/(2*x+1)^2$  revogf  
A003645 7.16684  $[{(-8*n-20)*a(n+1)+(n+4)*a(n+2), a(0) = 1, a(1) = 4}$ , ogf]  
A003662 6.58572  $(-4-8*x+6*x^11-x^9-18*x^7-13*x^4-20*x^3-2*x^10-3*x^8-6*x^6-15*x^5-12*x^2)/(-1+x)/(1+x)/(1+x^2)/(2*x^8+x^6-x^5+2*x^4+2*x^3+2*x^2+3*x+1)$  lgdogf  
A003662 8.90157  $[ (2*x^8+x^6-x^5+2*x^4+2*x^3+2*x^2+3*x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A003663 6.45428  $(-6-10*x-2*x^9-15*x^7-7*x^4-6*x^3+8*x^10-2*x^8-x^6+x^5-14*x^2)/(-1+x)/(x^2+x+1)/(2*x^8+x^5-3*x^4+x^3+2*x^2+5*x+1)$  lgdogf  
A003663 9.28261  $[ (2*x^8+x^5-3*x^4+x^3+2*x^2+5*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A003664 6.94406  $[ (x^10+2*x^9-2*x^8+2*x^7+x^6+x^5+x^4+3*x^3+x^2+3*x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A003665 12.8207  $[ (x-1)/(2*x+1)/(4*x-1)$  ogf]  
A003665 14.1097  $-(-1-16*x+8*x^2)/(-1+x)/(1+2*x)/(-1+4*x)$  lgdogf  
A003665 15.2537  $1/2/(8*x-1)*(-2*x-1+(36*x^2+1)^{(1/2)})$  revogf  
A003665 7.03573  $[{-a(n+2)+2*a(n+1)+8*a(n), a(0) = 1, a(1) = 1}$ , ogf]  
A003665 8.87585  $[ -(8*x^2-16*x-1)/(8*x^3-6*x^2-3*x+1)$  lgdogf]  
A003674 11.6461  $[ -(-16*x-2)/(-8*x^2-2*x+1)$  lgdogf]  
A003674 12.7557  $1/16*(-3-2*x+(3+4*x+12*x^2)^{(1/2)})^3/(1/2)/x$  revogf  
A003674 15.4232  $[ -3*x/(2*x+1)/(4*x-1)$  ogf]

A003674 20.7871  $-2*(1+8*x)/(1+2*x)/(-1+4*x)$  lgdogf  
A003674 7.04517  $[{-a(n+2)+2*a(n+1)+8*a(n), a(0) = 0, a(1) = 3}]$ , ogf]  
A003682 10.7693  $[ -(x^3-x^2+x+1)/(x-1)^3$  ogf]  
A003682 11.6106  $[ -(-2*x^2-4)/(x^4+2*x^3-2*x^2+1)$  lgdogf]  
A003682 23.4735  $-2*(2+x^2)/(-1+x)/(x^3-x^2+x+1)$  lgdogf  
A003682 5.58706  $[{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 4, a(2) = 8, a(3) = 14}]$ , ogf]  
A003683 12.2582  $[ -(-16*x-2)/(-8*x^2-2*x+1)$  lgdogf]  
A003683 16.2338  $[ -x/(2*x+1)/(4*x-1)$  ogf]  
A003683 16.4199  $1/16/x*(-2*x-1+(36*x^2+4*x+1)^(1/2))$  revogf  
A003683 21.8932  $-2*(1+8*x)/(1+2*x)/(-1+4*x)$  lgdogf  
A003683 7.41544  $[{-a(n+2)+2*a(n+1)+8*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A003685 4.92020  $[ (2*x^7-8*x^6+12*x^5-2*x^4-2*x^3-6*x^2+5*x+1)/(2*x-1)/(x-1)/(2*x^2-1)^2$  ogf]  
A003688 11.7414  $[ -(-x^2-2*x-4)/(-x^3-4*x^2-2*x+1)$  lgdogf]  
A003688 16.6989  $[ -(x+1)/(x^2+3*x-1)$  ogf]  
A003688 18.4567  $1/2/(x+1)*(-1-3*x+(1+10*x+13*x^2)^(1/2))$  revogf  
A003688 24.6089  $-(4+2*x+x^2)/(1+x)/(x^2+3*x-1)$  lgdogf  
A003688 9.16405  $[{a(n+2)-3*a(n+1)-a(n), a(0) = 1, a(1) = 4}]$ , ogf]  
A003689 3.90918  $[{-a(n+5)+7*a(n+4)-16*a(n+3)+12*a(n+2), a(0) = 3, a(1) = 30, a(2) = 144, a(3) = 588, a(4) = 2160}]$ , ogf]  
A003689 7.27743  $2*(-5+12*x-26*x^4+22*x^3+12*x^5-3*x^2)/(3*x-1)/(-1+2*x)/(4*x^4-8*x^3+6*x^2-3*x-1)$  lgdogf  
A003689 7.34163  $[ 3*(4*x^4-8*x^3+6*x^2-3*x-1)/(3*x-1)/(2*x-1)^2$  ogf]  
A003690 11.4359  $[ -3*(x+1)/(x-1)/(x^2-23*x+1)$  ogf]  
A003690 5.33028  $[{a(n+3)-24*a(n+2)+24*a(n+1)-a(n), a(0) = 3, a(1) = 75, a(2) = 1728}]$ , ogf]  
A003690 8.16848  $[ -(-2*x^3+21*x^2+48*x-25)/(-x^4+23*x^3-23*x+1)$  lgdogf]  
A003690 9.50581  $-(25-48*x+2*x^3-21*x^2)/(-1+x)/(1+x)/(x^2-23*x+1)$  lgdogf  
A003691 16.4137  $-12/(1+2*x)/(8*x^2+8*x-1)$  lgdogf  
A003691 4.01366  $[{-a(n+3)+8*a(n+2)+8*a(n+1), a(0) = 3, a(1) = 36, a(2) = 324}]$ , ogf]  
A003691 7.66244  $[ -3*(2*x+1)^2/(8*x^2+8*x-1)$  ogf]  
A003691 8.96668  $[ -12/(16*x^3+24*x^2+6*x-1)$  lgdogf]  
A003693 5.93018  $-(3+24*x+2*x^7+16*x^4-24*x^3-9*x^6+8*x^5-12*x^2)/(-1+x)/(x-2)/(1+x)/(x^5-3*x^4-2*x^3+7*x^2+2*x-1)$  lgdogf  
A003693 6.57035  $[ -x*(x-1)*(x-2)*(x+1)/(x^5-3*x^4-2*x^3+7*x^2+2*x-1)$  ogf]  
A003697 3.68472  $[ -(x-1)/(x+1)/(x^2-4*x+1)$  ogf]  
A003698 4.95754  $[{a(n+3)-6*a(n+2)-3*a(n+1)+4*a(n), a(0) = 1, a(1) = 9, a(2) = 53}]$ , ogf]  
A003698 8.56592  $-(9-2*x+16*x^4-24*x^3+21*x^2)/(-1+x)/(1+4*x)/(1+x)/(4*x^2-7*x+1)$  lgdogf  
A003698 9.18364  $[ -(4*x+1)*(x-1)/(x+1)/(4*x^2-7*x+1)$  ogf]  
A003699 11.0630  $[ -(x^2-2*x-1)/(x^2-4*x+1)$  ogf]  
A003699 15.0999  $-2*(3-2*x+x^2)/(x^2-4*x+1)/(x^2-2*x-1)$  lgdogf  
A003699 5.69259  $[{a(n+3)-4*a(n+2)+a(n+1), a(0) = 1, a(1) = 6, a(2) = 22}]$ , ogf]  
A003699 8.14357  $[ -(2*x^2-4*x+6)/(x^4-6*x^3+8*x^2+2*x-1)$  lgdogf]  
A003708 13.2668  $a(n)*n-a(n+1)+(n+2)*a(n+2), a(0)=0, a(1)=1$  revegf  
A003724 11.9288  $a(n+1)+(-5*n-6-n^2)*a(n+3), a(0)=1, a(1)=0, a(2)=1/2$  lgdegf  
A003724 15.7926  $[1/2*\exp(-x)+1/2*\exp(x)$  lgdegf]  
A003725 10.4896  $(-n-3)*a(n+3)+n*a(n+2)+a(n+1), a(0)=1, a(1)=-2, a(2)=3/2$  lgdegf  
A003725 10.6124  $[ -\exp(-x)*x+\exp(-x)$  lgdegf]  
A003727 13.4905  $1/2*\exp(x)+1/2*\exp(x)*x+1/2*\exp(-x)-1/2*\exp(-x)*x$  lgdegf  
A003727 8.42184  $[1/2*\exp(x)*(x+1)-1/2*\exp(-x)*(x-1)$  lgdegf]  
A003729 6.38030  $[ -(x^3-18*x^2+33*x-11)/(x^4-19*x^3+41*x^2-19*x+1)$  ogf]  
A003730 5.79491  $-(11-36*x+338*x^4-130*x^3+9*x^6-84*x^5+61*x^2)/(3*x^3-14*x^2+2*x+1)/(3*x^4-22*x^3-4*x^2+9*x-1)$  lgdogf  
A003730 7.04429  $[ -(3*x^3-14*x^2+2*x+1)/(3*x^4-22*x^3-4*x^2+9*x-1)$  ogf]  
A003731 11.0541  $[ (2*x^3-4*x^2+x-1)/(2*x^3-4*x^2+6*x-1)$  ogf]  
A003731 13.6367  $5*(1+4*x^3-4*x^2)/(2*x^3-4*x^2+x-1)/(2*x^3-4*x^2+6*x-1)$  lgdogf  
A003731 5.64987  $[{a(n+4)-6*a(n+3)+4*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 5, a(2) =$

30,  $a(3) = 160$ }, ogf]  
 A003731 7.78298  $[-(20*x^3-20*x^2+5)/(-4*x^6+16*x^5-30*x^4+32*x^3-14*x^2+7*x-1)$   
 lgdogf]  
 A003735 8.08673  $[-(x^3-43*x^2+87*x-29)/(x^4-44*x^3+102*x^2-44*x+1)$  ogf]  
 A003736 5.80298  $[-4*(x-1)*(6*x^4-266*x^3+9*x^2+19*x+1)/$   
 $(24*x^6-1098*x^5+1354*x^4+285*x^3-149*x^2-21*x+1)$  ogf]  
 A003737 4.84283  $[4*(2*x^2-3*x-1)*(8*x^5-40*x^4+22*x^3+10*x^2-7*x-1)/$   
 $(16*x^7-32*x^6-188*x^5+120*x^4+80*x^3-50*x^2-13*x+1)$  ogf]  
 A003738 6.89825  $[-8*(6720743*x^4+216352*x^3+5243*x^2-60*x-3)/$   
 $(56832*x^4+3328*x^3+128*x^2-60*x+1)$  ogf]  
 A003741 5.83353  $[-(x^5-64*x^4+523*x^3-850*x^2+403*x-40)/$   
 $(x^6-65*x^5+548*x^4-995*x^3+548*x^2-65*x+1)$  ogf]  
 A003742 4.73823  $[-3*(135*x^5-2388*x^4+1853*x^3-54*x^2-57*x-2)/$   
 $(405*x^6-7239*x^5+6539*x^4+707*x^3-396*x^2-26*x+1)$  ogf]  
 A003743 5.20196  $[6*(256*x^5-504*x^4+234*x^3-12*x^2-18*x-1)/$   
 $(256*x^5+432*x^4-460*x^3+136*x^2+16*x-1)$  ogf]  
 A003747 10.3322  $[-(x^2-75*x+56)/(x-1)/(x^2-75*x+1)$  ogf]  
 A003747 5.46013  $[{-a(n+3)+76*a(n+2)-76*a(n+1)+a(n), a(0) = 56, a(1) = 4181, a(2)$   
 $= 313501}$ }, ogf]  
 A003747 5.64366  $[{-(-x^4+150*x^3-5792*x^2+8510*x-4181)/(-$   
 $x^5+151*x^4-5832*x^3+9957*x^2-4331*x+56)$  lgdogf]  
 A003748 5.63462  $[{-a(n+3)+47*a(n+2)+288*a(n+1)-436*a(n), a(0) = 12, a(1) = 814,$   
 $a(2) = 41278}$ }, ogf]  
 A003748 7.90347  $-(407+3020*x+95048*x^4-109000*x^3+38398*x^2)/$   
 $(436*x^3-288*x^2-47*x+1)/(218*x^2-125*x-6)$  lgdogf  
 A003748 9.84075  $[-2*(218*x^2-125*x-6)/(436*x^3-288*x^2-47*x+1)$  ogf]  
 A003749 11.6145  $40*(1+12*x^2)/(12*x^2-12*x-1)/(12*x^2+28*x-1)$  lgdogf  
 A003749 4.80618  $[{a(n+3)-28*a(n+2)-12*a(n+1), a(0) = 12, a(1) = 480, a(2) =$   
 $13440}$ }, ogf]  
 A003749 6.83956  $[-(480*x^2+40)/(-144*x^4-192*x^3+360*x^2+16*x-1)$  lgdogf]  
 A003749 8.89143  $[12*(12*x^2-12*x-1)/(12*x^2+28*x-1)$  ogf]  
 A003751 4.81702  $[-125*(x+1)*(x^2+145*x+1)/(x-1)/(x^2-47*x+1)/(x^2-2207*x+1)$   
 ogf]  
 A003752 4.91179  $[-4*(2*x^7+4*x^6-37*x^5+21*x^4+30*x^3-16*x^2+7*x+1)/(x+1)/$   
 $(2*x^2+4*x-1)/(x^2-4*x+1)^2$  ogf]  
 A003753 5.60614  $[4*(x^4+6*x^3-30*x^2+6*x+1)/(x^2-6*x+1)/$   
 $(x^4-84*x^3+230*x^2-84*x+1)$  ogf]  
 A003755 6.38760  $[(x^4+6*x^3-16*x^2+6*x+1)/(x^2-6*x+1)/(x^4-42*x^3+83*x^2-42*x$   
 $+1)$  ogf]  
 A003756 10.4876  $[-(2*x^3+8*x^2-2*x+1)/(4*x^3+16*x^2+2*x-1)$  ogf]  
 A003756 12.2813  $6*x*(-8+4*x^2+5*x)/(4*x^3+16*x^2+2*x-1)/(2*x^3+8*x^2-2*x+1)$   
 lgdogf  
 A003756 5.47858  $[{-a(n+4)+2*a(n+3)+16*a(n+2)+4*a(n+1), a(0) = 1, a(1) = 0, a(2)$   
 $= 24, a(3) = 54}$ }, ogf]  
 A003756 7.41545  $[{-(-24*x^3-30*x^2+48*x)/$   
 $(8*x^6+64*x^5+124*x^4-14*x^3+4*x^2+4*x-1)$  lgdogf]  
 A003757 9.83602  $-(1+10*x-x^4-4*x^3+2*x^5+4*x^2)/(-1+x)/(1+x)/(x^4-x^3-6*x^2-x+1)$   
 lgdogf  
 A003757 9.83682  $[-x*(x-1)*(x+1)/(x^4-x^3-6*x^2-x+1)$  ogf]  
 A003758 5.88924  $-(7+50*x+2*x^7+30*x^4-30*x^3-9*x^6+4*x^5-36*x^2)/(-1+x)/(x^2-x-3)$   
 $(x^5-3*x^4-3*x^3+9*x^2+3*x-1)$  lgdogf  
 A003758 6.39046  $[-x*(x-1)*(x^2-x-3)/(x^5-3*x^4-3*x^3+9*x^2+3*x-1)$  ogf]  
 A003759 11.2731  $[-2*x/(x^4-2*x^3+3*x^2+3*x-1)$  ogf]  
 A003759 13.3623  $-(3+6*x+4*x^3-6*x^2)/(3*x^2-1+3*x+x^4-2*x^3)$  lgdogf  
 A003759 7.46841  $[{-(-4*x^3+6*x^2-6*x-3)/(-x^4+2*x^3-3*x^2-3*x+1)$  lgdogf]  
 A003764 5.53198  $[-(16*x^4-16*x^3-9*x^2+7*x+1)/$   
 $(16*x^5-16*x^4-29*x^3+16*x^2+6*x-1)$  ogf]  
 A003765 4.95448  $[-(4*x^5-12*x^4+3*x^3+7*x^2-5*x-1)/$   
 $(4*x^5-20*x^4+19*x^3-3*x^2-5*x+1)$  ogf]  
 A003769 11.4111  $[-(x^2-4*x-3)/(x+1)/(x^2-5*x+1)$  ogf]  
 A003769 6.10596  $[{-a(n+3)+4*a(n+2)+4*a(n+1)-a(n), a(0) = 3, a(1) = 16, a(2) =$



75}], ogf]

A003769 6.96079  $[-(-x^4+8x^3-11x^2-22x-16)/(-x^5+8x^4-9x^3-29x^2-8x+3)$   
lgdogf]

A003769 8.88208  $-(16+22x+x^4-8x^3+11x^2)/(1+x)/(x^2-5x+1)/(x^2-4x-3)$  lgdogf

A003770 3.86267  $[{a(n+3)-11a(n+2)-8a(n+1)+12a(n), a(0) = 3, a(1) = 42, a(2) = 474}], ogf]$

A003770 6.48297  $-2*(7+4x+24x^4-36x^3+16x^2)/(-1+x)/(1+4x)/$   
 $(12x^3-8x^2-11x+1)$  lgdogf

A003770 7.06144  $[-3*(4x+1)*(x-1)/(12x^3-8x^2-11x+1)$  ogf]

A003771 10.2778  $[-3*(2x^2-3x-1)/(2x^2-7x+1)$  ogf]

A003771 12.1124  $-2*(5-4x+4x^2)/(2x^2-3x-1)/(2x^2-7x+1)$  lgdogf

A003771 5.18782  $[{a(n+3)-7a(n+2)+2a(n+1), a(0) = 3, a(1) = 30, a(2) = 198}], ogf]$

A003771 7.26295  $[-(8x^2-8x+10)/(4x^4-20x^3+21x^2+4x-1)$  lgdogf]

A003772 4.55946  $[12*(24x^6-164x^5+398x^4-275x^3+55x^2-11x-1)/$   
 $(6x^2+9x-1)/(2x^2-7x+1)^2$  ogf]

A003773 5.83954  $[16*(x^2+12x+1)/(x^2-6x+1)/(x^2-198x+1)$  ogf]

A003774 5.32464  $[-4*(24x^6+48x^5+12x^3+20x^2+1)/(48x^3+4x^2+12x-1)$  ogf]

A003775 7.87641  $-(8-50x+94x^4-184x^3+x^6-14x^5+161x^2)/(-1+x)/(1-6x+x^2)/$   
 $(x^4-15x^3+32x^2-15x+1)$  lgdogf

A003775 8.91230  $[-(x-1)*(x^2-6x+1)/(x^4-15x^3+32x^2-15x+1)$  ogf]

A003776 3.37090  $[{-a(n+3)+24a(n+2)-57a(n+1)+26a(n), a(0) = 3, a(1) = 54, a(2) = 1140}], ogf]$

A003776 5.27812  $-2*(9-52x+65x^4-156x^3+150x^2)/(-1+x)/(-1+2x)/(5x-1)/$   
 $(13x^2-22x+1)$  lgdogf

A003776 6.07783  $[-3*(5x-1)*(x-1)/(2x-1)/(13x^2-22x+1)$  ogf]

A003777 10.6791  $[(x^3-3x^2+7x+1)/(x-1)^4$  ogf]

A003777 17.9408  $-(11+15x+x^3-3x^2)/(-1+x)/(x^3-3x^2+7x+1)$  lgdogf

A003777 4.19534  $[{(49n^2+339n+482)*a(n+1)+(-218n^2-1580n-2684)*a(n$   
 $+2)+(169n^2+881n+1122)*a(n+3), a(0) = 1, a(1) = 11, a(2) = 35}], ogf]$

A003777 9.90707  $[-(-x^3+3x^2-15x-11)/(-x^4+4x^3-10x^2+6x+1)$  lgdogf]

A003784 9.64516  $[-(-19x^3-2x^2-x-2)/(x^4-1)$  ogf\_with\_Euler\_transform]

A003815 8.21982  $[x*(x^3-x^2+3x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]

A003815 9.61111  $-(3+17x^4+4x^3+3x^6-4x^5+9x^2)/(-1+x)/(1+x)/(1+x^2)/(x^3-$   
 $x^2+3x+1)$  lgdogf

A003816 10.0491  $-(-1+8x-3x^4+12x^3+3x^6+12x^5+x^2)/(-1+x)/(1+x)/(1+x^2)/$   
 $(x^3+3x^2-x+1)$  lgdogf

A003816 8.27462  $[x*(x^3+3x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]

A003823 14.4107  $[-(-x^2+1)/(-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]

A003878 6.17125  $[-(3x^4-21x^3+43x^2-2x+1)/(x-1)^5$  ogf]

A003878 9.14072  $-3*(1+26x+x^4-10x^3+22x^2)/(-1+x)/(3x^4-21x^3+43x^2-2x+1)$   
lgdogf

A003945 11.2158  $[{a(n+2)-2a(n+1), a(0) = 1, a(1) = 3}], ogf]$

A003945 21.8253  $[-(x+1)/(2x-1)$  ogf]

A003945 22.4316  $[-3/(2x^2+x-1)$  lgdogf]

A003945 26.4477  $-1/2-x+1/2*(1+8x+4x^2)^{(1/2)}$  revogf

A003945 46.6724  $-3/(1+x)/(-1+2x)$  lgdogf

A003946 17.6994  $[-(x+1)/(3x-1)$  ogf]

A003946 17.8290  $-1/2-3/2x+1/2*((1+x)*(9x+1))^{(1/2)}$  revogf

A003946 18.1911  $[-4/(3x^2+2x-1)$  lgdogf]

A003946 40.1154  $-4/(1+x)/(3x-1)$  lgdogf

A003946 9.09553  $[{a(n+2)-3a(n+1), a(0) = 1, a(1) = 4}], ogf]$

A003947 19.4003  $[-(x+1)/(4x-1)$  ogf]

A003947 19.9392  $[-5/(4x^2+3x-1)$  lgdogf]

A003947 20.7334  $-1/2-2x+1/2*(1+12x+16x^2)^{(1/2)}$  revogf

A003947 41.4667  $-5/(1+x)/(-1+4x)$  lgdogf

A003947 9.96958  $[{a(n+2)-4a(n+1), a(0) = 1, a(1) = 5}], ogf]$

A003948 10.3287  $[{a(n+2)-5a(n+1), a(0) = 1, a(1) = 6}], ogf]$

A003948 20.0990  $[-(x+1)/(5x-1)$  ogf]

A003948 20.3042  $-1/2-5/2x+1/2*(1+14x+25x^2)^{(1/2)}$  revogf

A003948 20.6573  $[-6/(5x^2+4x-1)$  lgdogf]

A003948 45.6845  $-6/(1+x)/(5*x-1)$  lgdogf  
A003949 10.2774  $[ \{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 7\}, ogf]$   
A003949 19.9994  $[ -(x+1)/(6*x-1)$  ogf]  
A003949 20.5549  $[-7/(6*x^2+5*x-1)$  lgdogf]  
A003949 21.3951  $-3*x-1/2+1/2*(36*x^2+16*x+1)^(1/2)$  revogf  
A003949 45.4646  $-7/(1+x)/(6*x-1)$  lgdogf  
A003950 19.3816  $[ -(x+1)/(7*x-1)$  ogf]  
A003950 19.5766  $-1/2-7/2*x+1/2*(1+18*x+49*x^2)^(1/2)$  revogf  
A003950 19.9200  $[-8/(7*x^2+6*x-1)$  lgdogf]  
A003950 44.0473  $-8/(1+x)/(7*x-1)$  lgdogf  
A003950 9.96001  $[ \{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 8\}, ogf]$   
A003951 18.1848  $-4*x-1/2+1/2*((1+4*x)*(16*x+1))^(1/2)$  revogf  
A003951 18.5140  $[ -(x+1)/(8*x-1)$  ogf]  
A003951 19.0282  $[-9/(8*x^2+7*x-1)$  lgdogf]  
A003951 39.5788  $-9/(1+x)/(-1+8*x)$  lgdogf  
A003951 9.51412  $[ \{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9\}, ogf]$   
A003952 19.4191  $[ -(x+1)/(9*x-1)$  ogf]  
A003952 19.4191  $[-10/(9*x^2+8*x-1)$  lgdogf]  
A003952 19.6202  $-9/2*x-1/2+1/2*(81*x^2+22*x+1)^(1/2)$  revogf  
A003952 39.2405  $-10/(1+x)/(-1+9*x)$  lgdogf  
A003952 9.84256  $[ \{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 10\}, ogf]$   
A003953 12.8986  $[ -(x+1)/(10*x-1)$  ogf]  
A003953 12.8986  $[-11/(10*x^2+9*x-1)$  lgdogf]  
A003953 13.6804  $-5*x-1/2+1/2*(100*x^2+24*x+1)^(1/2)$  revogf  
A003953 26.6007  $-11/(1+x)/(10*x-1)$  lgdogf  
A003953 6.62358  $[ \{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 11\}, ogf]$   
A003954 12.5678  $[-12/(11*x^2+10*x-1)$  lgdogf]  
A003954 12.6003  $-1/2-11/2*x+1/2*(1+26*x+121*x^2)^(1/2)$  revogf  
A003954 12.8986  $[ -(x+1)/(11*x-1)$  ogf]  
A003954 26.6007  $-12/(1+x)/(11*x-1)$  lgdogf  
A003954 6.62358  $[ \{a(n+2)-11*a(n+1), a(0) = 1, a(1) = 12\}, ogf]$   
A003982 18.4174  $[x^3/(x^4+1)$  ogf\_with\_Euler\_transform]  
A003993 10.4122  $[ -2*(x+1)/(3*x-1)/(x-1)^2$  ogf]  
A003993 14.1922  $-2*(-3+4*x+3*x^2)/(-1+x)/(3*x-1)/(1+x)$  lgdogf  
A003993 4.84075  $[ \{a(n+3)-5*a(n+2)+7*a(n+1)-3*a(n), a(0) = 2, a(1) = 12, a(2) = 46\}, ogf]$   
A003993 8.62259  $[-(6*x^2+8*x-6)/(3*x^3-x^2-3*x+1)$  lgdogf]  
A003994 4.75455  $[ -2*(3*x^4-8*x^3-54*x^2+24*x+3)/(x^2-6*x+1)/(3*x-1)^2/(x-1)^3$  ogf]  
A004004 10.9421  $-2*(9*x+7)*(3*x-1)/(-1+x)/(3*x+1)/(-1+9*x)$  lgdogf  
A004004 4.10737  $[ \{a(n+3)-11*a(n+2)+19*a(n+1)-9*a(n), a(0) = 0, a(1) = 1, a(2) = 14\}, ogf]$   
A004004 6.78609  $[-(54*x^2+24*x-14)/(27*x^3-21*x^2-7*x+1)$  lgdogf]  
A004004 7.93627  $[ -x*(3*x+1)/(9*x-1)/(x-1)^2$  ogf]  
A004005 4.54565  $[ -(405*x^3+69*x^2-89*x-1)/(25*x-1)/(9*x-1)^2/(x-1)^3$  ogf]  
A004006 10.8041  $[ x*(x^2-x+1)/(x-1)^4$  ogf]  
A004006 12.3234  $[-(-2*x^2+x-3)/(-x^3+2*x^2-2*x+1)$  lgdogf]  
A004006 23.7628  $[-x^5+x^2+x+3$  ogf\_with\_Euler\_transform]  
A004006 26.8005  $-(3-x+2*x^2)/(-1+x)/(x^2-x+1)$  lgdogf  
A004006 4.04462  $[ \{(n+3)*a(n+4)+(-7-2*n)*a(n+3)+(3+2*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 7\}, ogf]$   
A004017 29.5106  $[-8/(-x-1)$  ogf\_with\_Euler\_transform]  
A004018 11.7270  $[-(2*x^2-2*x+4)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A004020 32.8139  $[-2/(-x-1)$  ogf\_with\_Euler\_transform]  
A004024 15.2628  $[-(-3*x^2-2*x-1)/(x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A004025 5.16223  $[-(-3*x^6-x^5-4*x^4-2*x^3-x^2+x-2)/(x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A004041 3.88023  $[ \{(-4*n^2-20*n-25)*a(n+1)+(4*n+12)*a(n+2)-a(n+3), a(0) = 1, a(1) = 4, a(2) = 23\}, ogf]$   
A004054 10.4509  $-(3-2*x+12*x^3-17*x^2)/(-1+x)/(3*x-1)/(-1+2*x)/(1+x)$  lgdogf  
A004054 10.4936  $[ -(x-1)/(3*x-1)/(2*x-1)/(x+1)$  ogf]

A004054 4.92176 [ $\{-a(n+3)+4*a(n+2)-a(n+1)-6*a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]  
A004054 6.78243 [ $-(12*x^3-17*x^2-2*x+3)/(6*x^4-5*x^3-5*x^2+5*x-1)$  lgdogf]  
A004057 8.01058 [ $-(-7+34*x+72*x^4-100*x^3-11*x^2)/(-1+x)/(-1+4*x)/(3*x-1)/(-1+2*x)/(1+x)$  lgdogf]  
A004057 9.22406 [ $(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(x+1)$  ogf]  
A004058 5.64922 [ $-6*(2-19*x-117*x^4-5*x^3+80*x^5+51*x^2)/(-1+x)/(-1+4*x)/(3*x-1)/(-1+2*x)/(5*x-1)/(1+x)$  lgdogf]  
A004058 6.63480 [ $-(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)/(x+1)$  ogf]  
A004068 10.1065 [ $x*(x^2+3*x+1)/(x-1)^4$  ogf]  
A004068 11.3504 [ $-(2*x^2+11*x+7)/(x^3+2*x^2-2*x-1)$  lgdogf]  
A004068 21.3738 [ $-(7+11*x+2*x^2)/(-1+x)/(x^2+3*x+1)$  lgdogf]  
A004068 3.74506 [ $\{(n+3)*a(n+4)+(-3+2*n)*a(n+3)+(-13-2*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 7, a(3) = 23\}$ , ogf]  
A004082 6.28626 [ $(x^8+5*x^7+6*x^6+6*x^5+7*x^4+6*x^3+6*x^2+6*x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A004083 8.17337 [ $(x^7+6*x^6+7*x^5+6*x^4+6*x^3+7*x^2+6*x+5)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A004084 6.73369 [ $(x+1)*(x^7+x^6+2*x^5+x^4+2*x^3+x^2+2*x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A004112 10.6492 [ $x*(22*x^6+330*x^5+2*x^2+1)/(x-1)^2$  ogf]  
A004112 10.9693 [ $2*(-1-2*x-825*x^4+44*x^6+429*x^5)/(-1+x)/(22*x^6+330*x^5+2*x^2+1)$  lgdogf]  
A004116 12.1206 [ $-(-3-6*x+x^4+2*x^3)/(-1+x)/(1+x)/(x^3-x-1)$  lgdogf]  
A004116 8.58723 [ $(x^3-x-1)/(x+1)/(x-1)^3$  ogf]  
A004119 10.9126 [ $-(-7*x^2+10*x-4)/(-6*x^4+11*x^3-4*x^2-2*x+1)$  lgdogf]  
A004119 15.2365 [ $-(3*x^2-x-1)/(2*x-1)/(x-1)$  ogf]  
A004119 18.4519 [ $-(4-10*x+7*x^2)/(-1+x)/(-1+2*x)/(3*x^2-x-1)$  lgdogf]  
A004119 7.91702 [ $\{a(n+3)-3*a(n+2)+2*a(n+1), a(0) = 1, a(1) = 4, a(2) = 7\}$ , ogf]  
A004120 10.9208 [ $(x^5-x-1)/(x-1)^3$  ogf]  
A004120 15.4985 [ $(2*x^2-x-2)*(x^3-2*x^2-2)/(-1+x)/(x^5-x-1)$  lgdogf]  
A004120 8.76534 [ $-(2*x^5-5*x^4+2*x+4)/(-x^6+x^5+x^2-1)$  lgdogf]  
A004126 11.1034 [ $-(2*x^2+17*x+9)/(x^3+4*x^2-4*x-1)$  lgdogf]  
A004126 20.9038 [ $-(9+17*x+2*x^2)/(-1+x)/(x^2+5*x+1)$  lgdogf]  
A004126 9.88659 [ $x*(x^2+5*x+1)/(x-1)^4$  ogf]  
A004138 11.8284 [ $-(2*x^4-4*x^3+x^2-1)/(x-1)/(2*x^4-x^3+x^2+x-1)$  ogf]  
A004142 11.9285 [ $-2*(5-18*x+36*x^3)/(3*x-1)/(-1+2*x)/(-1+6*x^2)$  lgdogf]  
A004142 8.08865 [ $-x*(6*x^2-1)/(3*x-1)^2/(2*x-1)^2$  ogf]  
A004142 8.08865 [ $-(72*x^3-36*x+10)/(36*x^4-30*x^3+5*x-1)$  lgdogf]  
A004146 10.9861 [ $-(x+1)*x/(x-1)/(x^2-3*x+1)$  ogf]  
A004146 14.3331 [ $-(5-8*x+2*x^3-x^2)/(-1+x)/(1+x)/(x^2-3*x+1)$  lgdogf]  
A004146 5.64153 [ $\{a(n+3)-4*a(n+2)+4*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$ , ogf]  
A004146 8.69736 [ $-(-2*x^3+x^2+8*x-5)/(-x^4+3*x^3-3*x+1)$  lgdogf]  
A004148 7.65736 [ $1/2+1/2/x+1/2*x-1/2*(x^2-x+1)^{(1/2)}/x*(x^2+3*x+1)^{(1/2)}$  revogf]  
A004154 7.50136 [ $-(10+20*x+2*x^7+5*x^4+40*x^3+x^8+3*x^6+4*x^5+30*x^2)/(x^4+x^3+x^2+x+1)/(x^5-10)$  lgdegf]  
A004154 8.52324 [ $-10*(x^4+x^3+x^2+x+1)/(x^5-10)$  egf]  
A004171 14.1136 [ $\{a(n+1)-4*a(n), a(0) = 2\}$ , ogf]  
A004171 26.2109 [ $4/(-4*x+1)$  lgdogf]  
A004171 29.3562 [ $-2/(4*x-1)$  ogf]  
A004171 55.4638 [ $1/2*x/(1+2*x)$  revogf]  
A004171 65.5481 [ $-4/(-1+4*x)$  lgdogf]  
A004187 15.0895 [ $-(2*x-7)/(x^2-7*x+1)$  lgdogf]  
A004187 16.6254 [ $-1/2*(-7*x-1+(9*x+1)^{(1/2)}*(5*x+1)^{(1/2)})/x$  revogf]  
A004187 21.9484 [ $x/(x^2-7*x+1)$  ogf]  
A004187 34.0425 [ $-(-7+2*x)/(x^2+1-7*x)$  lgdogf]  
A004187 8.94195 [ $\{a(n+2)-7*a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A004188 10.7474 [ $-(2*x^2+23*x+11)/(x^3+6*x^2-6*x-1)$  lgdogf]  
A004188 20.5417 [ $-(x+11)*(1+2*x)/(-1+x)/(x^2+7*x+1)$  lgdogf]  
A004188 9.71685 [ $x*(x^2+7*x+1)/(x-1)^4$  ogf]

A004189 11.7433  $[-(2*x-10)/(x^2-10*x+1) \text{ lgdogf}]$   
A004189 12.8484  $-1/2*(-1-10*x+(8*x+1)^{(1/2)}*(12*x+1)^{(1/2)})/x \text{ revogf}$   
A004189 17.2695  $[x/(x^2-10*x+1) \text{ ogf}]$   
A004189 27.5322  $-2*(x-5)/(x^2+1-10*x) \text{ lgdogf}$   
A004189 7.16052  $[{a(n+2)-10*a(n+1)+a(n), a(0) = 0, a(1) = 1}], \text{ ogf}]$   
A004190 11.0990  $[-(2*x-11)/(x^2-11*x+1) \text{ lgdogf}]$   
A004190 12.0753  $-1/2*(-11*x-1+(9*x+1)^{(1/2)}*(13*x+1)^{(1/2)})/x \text{ revogf}$   
A004190 16.3221  $[1/(x^2-11*x+1) \text{ ogf}]$   
A004190 23.6256  $-(-11+2*x)/(x^2+1-11*x) \text{ lgdogf}$   
A004190 6.60656  $[{-a(n+2)+11*a(n+1)-a(n), a(0) = 1, a(1) = 11}], \text{ ogf}]$   
A004191 14.3196  $[-(2*x-12)/(x^2-12*x+1) \text{ lgdogf}]$   
A004191 15.3043  $-1/2*(-12*x-1+(14*x+1)^{(1/2)}*(1+10*x)^{(1/2)})/x \text{ revogf}$   
A004191 21.0582  $[1/(x^2-12*x+1) \text{ ogf}]$   
A004191 31.9998  $-2*(-6+x)/(x^2+1-12*x) \text{ lgdogf}$   
A004191 8.52356  $[{-a(n+2)+12*a(n+1)-a(n), a(0) = 1, a(1) = 12}], \text{ ogf}]$   
A004211 14.9021  $(-n-2)*a(n+2)+2*a(n+1), a(0)=1, a(1)=2 \text{ lgdegf}$   
A004211 24.1025  $[\exp(2*x) \text{ lgdegf}]$   
A004212 14.6633  $(-n-2)*a(n+2)+3*a(n+1), a(0)=1, a(1)=3 \text{ lgdegf}$   
A004212 23.7162  $[\exp(3*x) \text{ lgdegf}]$   
A004213 14.1023  $(-n-2)*a(n+2)+4*a(n+1), a(0)=1, a(1)=4 \text{ lgdegf}$   
A004213 29.3035  $[\exp(4*x) \text{ lgdegf}]$   
A004216 12.9690  $(-3*x^2-2*x-1-5*x^4-4*x^3+90*x^87+90*x^88)/(-x^2-1-x+90*x^87-x^4-x^3+5*x^5) \text{ lgdogf}$   
A004216 9.99377  $[ -x^9*(x+1)*(x^2+x+1)*(x^2-x+1)/(x^90+x^6-1) \text{ ogf}]$   
A004218 10.4448  $[-(8*x^9+9*x^8+1)/(x^10-x^9+x-1) \text{ lgdogf}]$   
A004218 13.8727  $(-1+8*x^9-9*x^8)/(-1+x)/(1+x)/(x^2-x+1)/(x^6-x^3+1) \text{ lgdogf}$   
A004218 17.1593  $[ -x*(x+1)*(x^2-x+1)*(x^6-x^3+1)/(x-1) \text{ ogf}]$   
A004218 23.9551  $[-x^{17}+x^8+1 \text{ ogf\_with\_Euler\_transform}]$   
A004253 13.2571  $[ -(x-1)/(x^2-5*x+1) \text{ ogf}]$   
A004253 14.6052  $-1/2*(-5*x-1+(21*x^2+6*x+1)^{(1/2)})/(1+x) \text{ revogf}$   
A004253 18.8454  $-(4-2*x+x^2)/(-1+x)/(x^2-5*x+1) \text{ lgdogf}$   
A004253 7.27526  $[{a(n+2)-5*a(n+1)+a(n), a(0) = 1, a(1) = 4}], \text{ ogf}]$   
A004253 9.32142  $[-(x^2+2*x-4)/(-x^3+6*x^2-6*x+1) \text{ lgdogf}]$   
A004254 14.0003  $-1/2*(-5*x-1+(7*x+1)^{(1/2)}*(3*x+1)^{(1/2)})/x \text{ revogf}$   
A004254 15.2897  $[-(2*x-5)/(x^2-5*x+1) \text{ lgdogf}]$   
A004254 22.2395  $[x/(x^2-5*x+1) \text{ ogf}]$   
A004254 28.6673  $-(-5+2*x)/(x^2-5*x+1) \text{ lgdogf}$   
A004254 9.06056  $[{a(n+2)-5*a(n+1)+a(n), a(0) = 0, a(1) = 1}], \text{ ogf}]$   
A004255 12.7324  $[-(12*x^2-3)/(-4*x^3+6*x^2-3*x+1) \text{ lgdogf}]$   
A004255 23.0915  $-3*(4*x^2+1)/(-1+x)/(1-2*x+4*x^2) \text{ lgdogf}$   
A004255 3.88338  $[{(n+4)*a(n+4)+(-12-3*n)*a(n+3)+(6*n+12)*a(n+2)+(-16-4*n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 25}], \text{ ogf}]$   
A004255 9.83133  $[ -(4*x^2-2*x+1)/(x-1)^5 \text{ ogf}]$   
A004256 14.3541  $-4*(8+19*x+3*x^2)/(-1+x)/(3*x^2+14*x+3) \text{ lgdogf}$   
A004256 6.12695  $[x*(3*x^2+14*x+3)/(x-1)^6 \text{ ogf}]$   
A004256 8.25806  $[-(12*x^2+76*x+32)/(3*x^3+11*x^2-11*x-3) \text{ lgdogf}]$   
A004271 13.3305  $[x*(x^4+1)/(x-1)^2 \text{ ogf}]$   
A004271 20.6830  $2*(-1+x^4-2*x^3)/(-1+x)/(1+x^4) \text{ lgdogf}$   
A004271 22.4208  $[-x^7+x^3+2 \text{ ogf\_with\_Euler\_transform}]$   
A004271 4.76785  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 4, a(5) = 6}], \text{ ogf}]$   
A004271 9.60581  $[-(2*x^4-4*x^3-2)/(-x^5+x^4-x+1) \text{ lgdogf}]$   
A004272 13.5548  $[x*(x^2+1)*(x^4-x^2+1)/(x-1)^2 \text{ ogf}]$   
A004272 14.4913  $2*(-1+2*x^6-3*x^5)/(-1+x)/(x^2+1)/(x^4-x^2+1) \text{ lgdogf}$   
A004272 22.0403  $[-x^{11}+x^5+2 \text{ ogf\_with\_Euler\_transform}]$   
A004272 4.12536  $[{a(n+3)-2*a(n+2)+a(n+1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 4, a(5) = 5, a(6) = 6, a(7) = 8}], \text{ ogf}]$   
A004272 9.76740  $[-(4*x^6+6*x^5+2)/(x^7-x^6+x-1) \text{ lgdogf}]$   
A004273 18.2775  $[ (x+1)*x/(x-1)^2 \text{ ogf}]$   
A004273 20.3545  $[-(x+3)/(x^2-1) \text{ lgdogf}]$   
A004273 25.9701  $-1/2*(-1-2*x+(8*x+1)^{(1/2)})/(-1+x) \text{ revogf}$

A004273 42.4950 [[3-x] ogf\_with\_Euler\_transform]  
A004273 46.4729  $-(x+3)/(-1+x)/(1+x)$  lgdogf  
A004273 8.86732 [{a(n+3)-2\*a(n+2)+a(n+1), a(0) = 0, a(1) = 1, a(2) = 3}], ogf]  
A004274 13.3411 [  $(-x^3+3*x^2+2)/(x^4-x^3+x-1)$  lgdogf]  
A004274 18.5142 [  $(x^2-x+1)*(x+1)*x/(x-1)^2$  ogf]  
A004274 24.1767  $(-2+x^3-3*x^2)/(-1+x)/(1+x)/(x^2-x+1)$  lgdogf  
A004274 31.1727 [-x^5+x^2+2 ogf\_with\_Euler\_transform]  
A004274 7.25756 [{a(n+5)-2\*a(n+4)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 5}], ogf]  
A004275 11.4683 [  $(-(-2*x-2)/(-x^3+x^2-x+1)$  lgdogf]  
A004275 13.1067 [  $x*(x^2+1)/(x-1)^2$  ogf]  
A004275 22.0420 [  $(-x^3+x+2)$  ogf\_with\_Euler\_transform]  
A004275 27.4026  $-2*(1+x)/(x^2+1)/(-1+x)$  lgdogf  
A004275 5.68342 [  $(-a(n+4)+2*a(n+3)-a(n+2), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 4)$  ogf]  
A004276 13.5118 [  $(-(-3*x^5+5*x^4+2)/(x^6-x^5+x-1)$  lgdogf]  
A004276 18.7511 [  $x*(x+1)*(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A004276 19.2787  $(-2-5*x^4+3*x^5)/(-1+x)/(1+x)/(x^4-x^3+x^2-x+1)$  lgdogf  
A004276 31.5736 [-x^9+x^4+2 ogf\_with\_Euler\_transform]  
A004276 6.16646 [{a(n+3)-2\*a(n+2)+a(n+1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 4, a(5) = 5, a(6) = 7}], ogf]  
A004277 16.2181 [  $(-2*x+2)/(x^3-x^2+x-1)$  lgdogf]  
A004277 18.5350 [  $(x^2+1)/(x-1)^2$  ogf]  
A004277 31.2057 [  $(-x^3+x+2)$  ogf\_with\_Euler\_transform]  
A004277 38.7563  $-2*(1+x)/(x^2+1)/(-1+x)$  lgdogf  
A004277 8.90405 [{a(n+3)-2\*a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 4}], ogf]  
A004278 13.1881 [  $(x^4+1)/(x-1)^2$  ogf]  
A004278 20.3309  $2*(-1+x^4-2*x^3)/(-1+x)/(1+x^4)$  lgdogf  
A004278 22.1789 [-x^7+x^3+2 ogf\_with\_Euler\_transform]  
A004278 5.12869 [  $(-a(n+5)+2*a(n+4)-a(n+3), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4, a(4) = 6)$  ogf]  
A004278 9.50316 [  $(-2*x^4-4*x^3-2)/(-x^5+x^4-x+1)$  lgdogf]  
A004279 13.4123 [  $(x^2+1)*(x^4-x^2+1)/(x-1)^2$  ogf]  
A004279 14.2483  $2*(-1+2*x^6-3*x^5)/(-1+x)/(x^2+1)/(x^4-x^2+1)$  lgdogf  
A004279 21.8064 [-x^11+x^5+2 ogf\_with\_Euler\_transform]  
A004279 4.38135 [{a(n+3)-2\*a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4, a(4) = 5, a(5) = 6, a(6) = 8}], ogf]  
A004279 9.66474 [  $(-(-4*x^6+6*x^5+2)/(x^7-x^6+x-1)$  lgdogf]  
A004280 13.2324 [  $(-(-x^3+3*x^2+2)/(x^4-x^3+x-1)$  lgdogf]  
A004280 18.3633 [  $(x+1)*(x^2-x+1)/(x-1)^2$  ogf]  
A004280 23.8645  $(-2+x^3-3*x^2)/(-1+x)/(1+x)/(x^2-x+1)$  lgdogf  
A004280 30.9167 [-x^5+x^2+2 ogf\_with\_Euler\_transform]  
A004280 7.89302 [  $(a(n+4)-2*a(n+3)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5)$  ogf]  
A004281 13.1087 [  $(-(-3*x^5+5*x^4+2)/(x^6-x^5+x-1)$  lgdogf]  
A004281 18.1917 [  $(x+1)*(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A004281 18.6080  $(-2-5*x^4+3*x^5)/(-1+x)/(1+x)/(x^4-x^3+x^2-x+1)$  lgdogf  
A004281 30.6278 [-x^9+x^4+2 ogf\_with\_Euler\_transform]  
A004281 6.45938 [{a(n+3)-2\*a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4, a(4) = 5, a(5) = 7}], ogf]  
A004282 18.2428  $-4*(6+8*x+x^2)/(-1+x)/(x^2+6*x+3)$  lgdogf  
A004282 6.65452 [  $x*(x^2+6*x+3)/(x-1)^6$  ogf]  
A004282 9.27600 [  $(-(-4*x^2-32*x-24)/(-x^3-5*x^2+3*x+3)$  lgdogf]  
A004291 12.0346 [  $(-12*x-12)/(x^3-9*x^2-9*x+1)$  lgdogf]  
A004291 12.9260 [  $(x+1)^2/(x^2-10*x+1)$  ogf]  
A004291 18.7376  $-12*(-1+x)/(1+x)/(x^2-10*x+1)$  lgdogf  
A004291 6.58495 [  $(-a(n+3)+10*a(n+2)-a(n+1), a(0) = 1, a(1) = 12, a(2) = 120)$  ogf]  
A004292 16.7311  $-20*(-1+x)/(1+x)/(x^2-18*x+1)$  lgdogf  
A004292 4.68202 [  $(-a(n+3)+18*a(n+2)-a(n+1), a(0) = 1, a(1) = 20, a(2) = 360)$  ogf]

A004292 8.27157  $[-(20*x-20)/(x^3-17*x^2-17*x+1) \text{ lgdogf}]$   
A004292 9.19063  $[(x+1)^2/(x^2-18*x+1) \text{ ogf}]$   
A004293 10.4829  $[-(28*x-28)/(x^3-25*x^2-25*x+1) \text{ lgdogf}]$   
A004293 11.6476  $[(x+1)^2/(x^2-26*x+1) \text{ ogf}]$   
A004293 18.5477  $-28*(-1+x)/(1+x)/(x^2-26*x+1) \text{ lgdogf}$   
A004293 5.93371  $[-a(n+3)+26*a(n+2)-a(n+1), a(0) = 1, a(1) = 28, a(2) = 728],$   
 $\text{ogf}]$   
A004294 11.1912  $[-(36*x-36)/(x^3-33*x^2-33*x+1) \text{ lgdogf}]$   
A004294 12.4346  $[(x+1)^2/(x^2-34*x+1) \text{ ogf}]$   
A004294 17.0887  $-36*(-1+x)/(1+x)/(x^2-34*x+1) \text{ lgdogf}$   
A004294 6.27543  $[-a(n+3)+34*a(n+2)-a(n+1), a(0) = 1, a(1) = 36, a(2) = 1224],$   
 $\text{ogf}]$   
A004295 10.3048  $[-(44*x-44)/(x^3-41*x^2-41*x+1) \text{ lgdogf}]$   
A004295 11.4498  $[(x+1)^2/(x^2-42*x+1) \text{ ogf}]$   
A004295 18.0225  $-44*(-1+x)/(1+x)/(x^2-42*x+1) \text{ lgdogf}$   
A004295 5.77839  $[-a(n+3)+42*a(n+2)-a(n+1), a(0) = 1, a(1) = 44, a(2) = 1848],$   
 $\text{ogf}]$   
A004296 10.7207  $[-(52*x-52)/(x^3-49*x^2-49*x+1) \text{ lgdogf}]$   
A004296 11.9119  $[(x+1)^2/(x^2-50*x+1) \text{ ogf}]$   
A004296 18.7696  $-52*(-1+x)/(1+x)/(x^2-50*x+1) \text{ lgdogf}$   
A004296 6.01160  $[-a(n+3)+50*a(n+2)-a(n+1), a(0) = 1, a(1) = 52, a(2) = 2600],$   
 $\text{ogf}]$   
A004297 11.0442  $[-(60*x-60)/(x^3-57*x^2-57*x+1) \text{ lgdogf}]$   
A004297 12.2713  $[(x+1)^2/(x^2-58*x+1) \text{ ogf}]$   
A004297 19.3299  $-60*(-1+x)/(1+x)/(x^2-58*x+1) \text{ lgdogf}$   
A004297 6.19298  $[-a(n+3)+58*a(n+2)-a(n+1), a(0) = 1, a(1) = 60, a(2) = 3480],$   
 $\text{ogf}]$   
A004298 11.3676  $[-(68*x-68)/(x^3-65*x^2-65*x+1) \text{ lgdogf}]$   
A004298 12.6307  $[(x+1)^2/(x^2-66*x+1) \text{ ogf}]$   
A004298 16.9264  $-68*(-1+x)/(1+x)/(x^2-66*x+1) \text{ lgdogf}$   
A004298 6.37436  $[-a(n+3)+66*a(n+2)-a(n+1), a(0) = 1, a(1) = 68, a(2) = 4488],$   
 $\text{ogf}]$   
A004299 10.0198  $[-(76*x-76)/(x^3-73*x^2-73*x+1) \text{ lgdogf}]$   
A004299 11.1331  $[(x+1)^2/(x^2-74*x+1) \text{ ogf}]$   
A004299 17.2904  $-76*(-1+x)/(1+x)/(x^2-74*x+1) \text{ lgdogf}$   
A004299 5.61857  $[-a(n+3)+74*a(n+2)-a(n+1), a(0) = 1, a(1) = 76, a(2) = 5624],$   
 $\text{ogf}]$   
A004301 10.5544  $-(-29+136*x+144*x^4-78*x^3-149*x^2)/(-1+x)/(3*x-1)/(-1+2*x)/$   
 $(6*x^2+x-3) \text{ lgdogf}$   
A004301 7.02905  $[-(144*x^4-78*x^3-149*x^2+136*x-29)/$   
 $(36*x^5-60*x^4+7*x^3+33*x^2-19*x+3) \text{ lgdogf}]$   
A004301 7.90768  $[-2*x*(6*x^2+x-3)/(3*x-1)/(2*x-1)^2/(x-1)^3 \text{ ogf}]$   
A004302 16.5336  $-12*(x^2+3*x+1)/(-1+x)/(3*x^2+6*x+1) \text{ lgdogf}$   
A004302 6.58059  $[x*(3*x^2+6*x+1)/(x-1)^6 \text{ ogf}]$   
A004302 9.03603  $[-(12*x^2+36*x+12)/(3*x^3+3*x^2-5*x-1) \text{ lgdogf}]$   
A004305 7.40914  $[-(-x^6+6*x^5-12*x^4+8*x^3+18*x^2-6*x+22)/(-$   
 $x^7+7*x^6-20*x^5+30*x^4-22*x^3+7*x^2+2*x-3) \text{ lgdogf}]$   
A004305 7.57882  $[(x^6-6*x^5+14*x^4-16*x^3+6*x^2-x-3)/(x-1)^7 \text{ ogf}]$   
A004306 5.46677  
 $(-1+12*x^9-120*x^7+90*x^4-40*x^3+30*x^10+3*x^8+12*x^6+12*x^5-6*x^2)/(-1+x)/$   
 $(x^3+x^2+x-1)/(10*x^7+6*x^6+3*x^5-13*x^4-2*x^3+x-1) \text{ lgdogf}$   
A004306 8.07815  $[-(10*x^7+6*x^6+3*x^5-13*x^4-2*x^3+x-1)/(x-1)/(x^3+x^2+x-1)$   
 $\text{ogf}]$   
A004310 4.39764  $[\{(-4*n^2-46*n-132)*a(n+1)+(n^2+12*n+20)*a(n+2), a(0) = 1, a(1)$   
 $= 10\}, \text{ogf}]$   
A004310 7.48788  $[(-2/(-1+4*x)^(1/2))*(9*x-2)+4*I)/x/(-1+4*x)^(1/2) \text{ lgdogf}]$   
A004310 9.67722  $-80+324*x+(8-68*x+144*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2 \text{ lgdogf}$   
A004311 4.11318  $[\{(-4*n^2-54*n-182)*a(n+1)+(n^2+14*n+24)*a(n+2), a(0) = 1, a(1)$   
 $= 12\}, \text{ogf}]$   
A004311 6.91015  $[(-22*x-5)/(-1+4*x)^(1/2)+5*I)/(-1+4*x)^(1/2)/x \text{ lgdogf}]$   
A004311 8.72894  $-120+484*x+(10-84*x+176*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$

lgdogf  
 A004312 4.25584 [  $\{(-4*n^2-62*n-240)*a(n+1)+(n^2+16*n+28)*a(n+2), a(0) = 1, a(1) = 14\},$  ogf ]  
 A004312 7.14981 [  $(-2/(-1+4*x)^{(1/2)}*(13*x-3)+6*I)/x/(-1+4*x)^{(1/2)}$  lgdogf ]  
 A004312 8.88564  $-168+676*x+(12-100*x+208*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$   
 lgdogf  
 A004313 3.97266 [  $\{(-4*n^2-70*n-306)*a(n+1)+(n^2+18*n+32)*a(n+2), a(0) = 1, a(1) = 16\},$  ogf ]  
 A004313 6.67407 [  $(-(30*x-7)/(-1+4*x)^{(1/2)}+7*I)/x/(-1+4*x)^{(1/2)}$  lgdogf ]  
 A004313 8.28436  $-224+900*x+(14-116*x+240*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$   
 lgdogf  
 A004314 4.08950 [  $\{(-4*n^2-78*n-380)*a(n+1)+(n^2+20*n+36)*a(n+2), a(0) = 1, a(1) = 18\},$  ogf ]  
 A004314 6.87036 [  $(-2/(-1+4*x)^{(1/2)}*(17*x-4)+8*I)/x/(-1+4*x)^{(1/2)}$  lgdogf ]  
 A004314 8.39165  $-288+1156*x+(16-132*x+272*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$   
 lgdogf  
 A004315 4.15960 [  $\{(-4*n^2-86*n-462)*a(n+1)+(n^2+22*n+40)*a(n+2), a(0) = 1, a(1) = 20\},$  ogf ]  
 A004315 6.98813 [  $(-(38*x-9)/(-1+4*x)^{(1/2)}+9*I)/x/(-1+4*x)^{(1/2)}$  lgdogf ]  
 A004315 8.53888  $-360+1444*x+(18-148*x+304*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$   
 lgdogf  
 A004316 4.27645 [  $\{(-4*n^2-94*n-552)*a(n+1)+(n^2+24*n+44)*a(n+2), a(0) = 1, a(1) = 22\},$  ogf ]  
 A004316 7.08991 [  $(-2/(-1+4*x)^{(1/2)}*(21*x-5)+10*I)/x/(-1+4*x)^{(1/2)}$  lgdogf ]  
 A004316 8.78425  $-440+1764*x+(20-164*x+336*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$   
 lgdogf  
 A004317 4.28914 [  $\{(-4*n^2-102*n-650)*a(n+1)+(n^2+26*n+48)*a(n+2), a(0) = 1, a(1) = 24\},$  ogf ]  
 A004317 7.07430 [  $(-(46*x-11)/(-1+4*x)^{(1/2)}+11*I)/(-1+4*x)^{(1/2)}/x$  lgdogf ]  
 A004317 8.88239  $-528+2116*x+(22-180*x+368*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$   
 lgdogf  
 A004318 4.38188 [  $\{(-4*n^2-110*n-756)*a(n+1)+(n^2+28*n+52)*a(n+2), a(0) = 1, a(1) = 26\},$  ogf ]  
 A004318 7.32236 [  $(-2/(-1+4*x)^{(1/2)}*(25*x-6)+12*I)/(-1+4*x)^{(1/2)}/x$  lgdogf ]  
 A004318 9.07869  $-624+2500*x+(24-196*x+400*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$   
 lgdogf  
 A004319 12.9744 [ hypergeom([4/3, 5/3],[5/2],27/4\*x) ogf ]  
 A004319 5.92534 [  $\{(-27*n^2-135*n-168)*a(n+1)+(4*n^2+22*n+28)*a(n+2), a(0) = 1, a(1) = 6\},$  ogf ]  
 A004320 10.6976 [  $-x*(x+3)/(x-1)^5$  ogf ]  
 A004320 16.3739 [  $-(4*x+16)/(x^2+2*x-3)$  lgdogf ]  
 A004320 34.7336  $-4*(x+4)/(x+3)/(-1+x)$  lgdogf  
 A004320 5.31338 [  $\{(6+3*n)*a(n+3)+(-18-2*n)*a(n+2)+(-4-n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 16\},$  ogf ]  
 A004321 3.54893 [  $\{(27*n^3+378*n^2+1761*n+2730)*a(n+1)+(-4*n^3-58*n^2-256*n-312)*a(n+2), a(0) = 1, a(1) = 12\},$  ogf ]  
 A004322 3.70493 [  $\{(27*n^3+459*n^2+2598*n+4896)*a(n+1)+(-4*n^3-70*n^2-364*n-480)*a(n+2), a(0) = 1, a(1) = 15\},$  ogf ]  
 A004323 3.80242 [  $\{(27*n^3+540*n^2+3597*n+7980)*a(n+1)+(-4*n^3-82*n^2-490*n-684)*a(n+2), a(0) = 1, a(1) = 18\},$  ogf ]  
 A004324 3.44182 [  $\{(27*n^3+621*n^2+4758*n+12144)*a(n+1)+(-4*n^3-94*n^2-634*n-924)*a(n+2), a(0) = 1, a(1) = 21\},$  ogf ]  
 A004325 3.47219 [  $\{(27*n^3+702*n^2+6081*n+17550)*a(n+1)+(-4*n^3-106*n^2-796*n-1200)*a(n+2), a(0) = 1, a(1) = 24\},$  ogf ]  
 A004326 3.52851 [  $\{(27*n^3+783*n^2+7566*n+24360)*a(n+1)+(-4*n^3-118*n^2-976*n-1512)*a(n+2), a(0) = 1, a(1) = 27\},$  ogf ]  
 A004327 3.54303 [  $\{(27*n^3+864*n^2+9213*n+32736)*a(n+1)+(-4*n^3-130*n^2-1174*n-1860)*a(n+2), a(0) = 1, a(1) = 30\},$  ogf ]  
 A004328 3.65002 [  $\{(27*n^3+945*n^2+11022*n+42840)*a(n+1)+(-4*n^3-142*n^2-1390*n-2244)*a(n+2), a(0) = 1, a(1) = 33\},$  ogf ]  
 A004329 3.70041 [  $\{(27*n^3+1026*n^2+12993*n+54834)*a(n$

+1)+(-4\*n^3-154\*n^2-1624\*n-2664)\*a(n+2), a(0) = 1, a(1) = 36}, ogf]  
A004330 3.33850 [ {(27\*n^3+1107\*n^2+15126\*n+68880)\*a(n  
+1)+(-4\*n^3-166\*n^2-1876\*n-3120)\*a(n+2), a(0) = 1, a(1) = 39}, ogf]  
A004331 3.70923 [ {(-256\*n^3-1920\*n^2-4784\*n-3960)\*a(n+1)+(27\*n^3+216\*n^2+564\*n  
+480)\*a(n+2), a(0) = 1, a(1) = 8}, ogf]  
A004332 3.68987 [ {(256\*n^3+2688\*n^2+9392\*n+10920)\*a(n  
+1)+(-27\*n^3-297\*n^2-1032\*n-1092)\*a(n+2), a(0) = 1, a(1) = 12}, ogf]  
A004333 2.99974 [ {(-256\*n^4-4736\*n^3-32816\*n^2-100936\*n-116280)\*a(n  
+1)+(27\*n^4+513\*n^3+3516\*n^2+10092\*n+9792)\*a(n+2), a(0) = 1, a(1) = 16}, ogf]  
A004334 2.98361 [ {(-256\*n^4-5760\*n^3-48560\*n^2-181800\*n-255024)\*a(n  
+1)+(27\*n^4+621\*n^3+5100\*n^2+17172\*n+18480)\*a(n+2), a(0) = 1, a(1) = 20}, ogf]  
A004335 2.98361 [ {(-256\*n^4-6784\*n^3-67376\*n^2-297224\*n-491400)\*a(n  
+1)+(27\*n^4+729\*n^3+6972\*n^2+26844\*n+31200)\*a(n+2), a(0) = 1, a(1) = 24}, ogf]  
A004344 3.76027 [ {(3125\*n^4+43750\*n^3+229375\*n^2+533750\*n+465120)\*a(n  
+1)+(-256\*n^4-3712\*n^3-19696\*n^2-44952\*n-36720)\*a(n+2), a(0) = 1, a(1) = 15},  
ogf]  
A004396 10.3353 [ -(-2\*x^4-x^3-5\*x^2-3\*x-1)/(-x^5-x^3+x^2+1) lgdogf]  
A004396 15.2309 [ x\*(x^2+1)/(x^2+x+1)/(x-1)^2 ogf]  
A004396 17.4558 [ -(1+3\*x+2\*x^4+x^3+5\*x^2)/(-1+x)/(x^2+1)/(x^2+x+1) lgdogf  
A004396 26.2219 [ -x^3+x^2+x+1 ogf\_with\_Euler\_transform]  
A004396 7.05824 [ {a(n+4)-a(n+3)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 1, a(3)  
= 2}, ogf]  
A004400 3.67776 [ {(-2\*n^2-8\*n-8)\*a(n+1)+(-14-5\*n)\*a(n+2)+(2\*n^2+14\*n+26)\*a(n  
+3)+(-n-4)\*a(n+4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 12}, ogf]  
A004402 9.82756 [ -(x^2-x+2)/(x^3+x^2+x+1) ogf\_with\_Euler\_transform]  
A004403 11.8744 [ -(2\*x^2-2\*x+4)/(x^3+x^2+x+1) ogf\_with\_Euler\_transform]  
A004406 9.40647 [ -(5\*x^2-5\*x+10)/(x^3+x^2+x+1) ogf\_with\_Euler\_transform]  
A004411 10.6255 [ -(-10\*x^2+10\*x-20)/(-x^3-x^2-x-1) ogf\_with\_Euler\_transform]  
A004442 12.3910 [ -(2\*x^3+6\*x)/(2\*x^4-x^3-x^2+x-1) lgdogf]  
A004442 13.8129 [ (2\*x^2-x+1)/(x+1)/(x-1)^2 ogf]  
A004442 22.4293 [ -2\*x\*(x^2+3)/(-1+x)/(1+x)/(2\*x^2-x+1) lgdogf  
A004442 7.59088 [ {a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 0, a(2) = 3}, ogf]  
A004443 10.3414 [ -(3-9\*x-x^4-6\*x^3+3\*x^5+18\*x^2)/(-1+x)/(3\*x^3-2\*x^2-x+2)/(x^2+1)  
lgdogf  
A004443 10.7406 [ (3\*x^3-2\*x^2-x+2)/(x^2+1)/(x-1)^2 ogf]  
A004443 4.24115 [ {(-n-3)\*a(n+1)+(n+2)\*a(n+2)+(-n-3)\*a(n+3)+(n+2)\*a(n+4), a(0) =  
2, a(1) = 3, a(2) = 0, a(3) = 1}, ogf]  
A004444 8.75368 [ (4\*x^4-x^3-x^2-x+3)/(x+1)/(x^2+1)/(x-1)^2 ogf]  
A004444 9.19238 [ -2\*(1+2\*x^7-x^4+14\*x^3+x^6-x^2)/(-1+x)/(1+x)/(x^2+1)/(4\*x^4-x^3-  
x^2-x+3) lgdogf  
A004445 7.92980 [ (5\*x^5-4\*x^4-3\*x+4)/(x^4+1)/(x-1)^2 ogf]  
A004445 8.70858 [ -(5-3\*x+5\*x^9+66\*x^4-32\*x^3-3\*x^8-30\*x^5)/(-1+x)/  
(5\*x^5-4\*x^4-3\*x+4)/(1+x^4) lgdogf  
A004446 5.76097 [ (6\*x^6-x^5-3\*x^4-2\*x^2-x+5)/(x+1)/(x^4+1)/(x-1)^2 ogf]  
A004446 6.01683 [ -2\*(2+5\*x+3\*x^11+x^9-14\*x^7-17\*x^3+2\*x^10-2\*x^8+38\*x^5-2\*x^2)/  
(-1+x)/(1+x)/(6\*x^6-x^5-3\*x^4-2\*x^2-x+5)/(1+x^4) lgdogf  
A004447 4.78038 [ (7\*x^7-6\*x^6+3\*x^5-2\*x^4-x^3+2\*x^2-5\*x+6)/(x^2+1)/(x^4+1)/  
(x-1)^2 ogf]  
A004448 9.77009 [ (8\*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x+7)/(x+1)/(x^2+1)/(x^4+1)/  
(x-1)^2 ogf]  
A004449 8.17101 [ -(9+9\*x^17-7\*x-126\*x^9-128\*x^7+258\*x^8-7\*x^16)/(-1+x)/  
(9\*x^9-8\*x^8-7\*x+8)/(x^8+1) lgdogf  
A004449 9.43610 [ (9\*x^9-8\*x^8-7\*x+8)/(x^8+1)/(x-1)^2 ogf]  
A004450 5.42501 [ -2\*(4-4\*x^16-4\*x^2+5\*x^19+4\*x^18-  
x^17+7\*x-62\*x^11+134\*x^9-3\*x^3-64\*x^7)/(-1+x)/(1+x)/(10\*x^10-x^9-7\*x^8-6\*x^2-x  
+9)/(x^8+1) lgdogf  
A004450 6.70665 [ (10\*x^10-x^9-7\*x^8-6\*x^2-x+9)/(x+1)/(x^8+1)/(x-1)^2 ogf]  
A004451 4.29320 [ (11\*x^11-10\*x^10+7\*x^9-6\*x^8-5\*x^3+6\*x^2-9\*x+10)/(x^2+1)/  
(x^8+1)/(x-1)^2 ogf]  
A004452 5.20196 [ (12\*x^12-x^11-x^10-x^9-5\*x^8-4\*x^4-x^3-x^2-x+11)/(x+1)/  
(x^2+1)/(x^8+1)/(x-1)^2 ogf]



A004453 4.63717 [ (13\*x^13-12\*x^12+5\*x^9-4\*x^8-3\*x^5+4\*x^4-11\*x+12)/(x^4+1)/(x^8+1)/(x-1)^2 ogf]  
A004456 4.41035 [ (16\*x^16-x^15-x^14-x^13-x^12-x^11-x^10-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x+15)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2 ogf]  
A004457 9.62440 -(17+17\*x^33-15\*x^32-510\*x^17-15\*x+1026\*x^16-512\*x^15)/(-1+x)/(17\*x^17-16\*x^16-15\*x+16)/(x^16+1) lgdogf  
A004457 9.96697 [ (17\*x^17-16\*x^16-15\*x+16)/(x^16+1)/(x-1)^2 ogf]  
A004458 6.33988 [ (18\*x^18-x^17-15\*x^16-14\*x^2-x+17)/(x+1)/(x^16+1)/(x-1)^2 ogf]  
A004459 4.88858 [ (19\*x^19-18\*x^18+15\*x^17-14\*x^16-13\*x^3+14\*x^2-17\*x+18)/(x^2+1)/(x^16+1)/(x-1)^2 ogf]  
A004460 5.00929 [ (20\*x^20-x^19-x^18-x^17-13\*x^16-12\*x^4-x^3-x^2-x+19)/(x+1)/(x^2+1)/(x^16+1)/(x-1)^2 ogf]  
A004461 4.43445 [ (21\*x^21-20\*x^20+13\*x^17-12\*x^16-11\*x^5+12\*x^4-19\*x+20)/(x^4+1)/(x^16+1)/(x-1)^2 ogf]  
A004465 4.50836 [ (25\*x^25-24\*x^24+9\*x^17-8\*x^16-7\*x^9+8\*x^8-23\*x+24)/(x^8+1)/(x^16+1)/(x-1)^2 ogf]  
A004466 17.2706 -2\*(6+13\*x+x^2)/(x-1)/(x^2+8\*x+1) lgdogf  
A004466 7.95097 [ x\*(x^2+8\*x+1)/(x-1)^4 ogf]  
A004466 8.79426 [ -(2\*x^2+26\*x+12)/(x^3+7\*x^2-7\*x-1) lgdogf]  
A004467 16.8655 -(13+29\*x+2\*x^2)/(x-1)/(x^2+9\*x+1) lgdogf  
A004467 7.99886 [ x\*(x^2+9\*x+1)/(x-1)^4 ogf]  
A004467 8.84723 [ -(2\*x^2+29\*x+13)/(x^3+8\*x^2-8\*x-1) lgdogf]  
A004482 10.6468 [ (3\*x^3-2\*x^2+x+1)/(x^2+x+1)/(x-1)^2 ogf]  
A004482 11.1115 -(2-2\*x+3\*x^5+4\*x^3-x^4+12\*x^2)/(x-1)/(x^2+x+1)/(3\*x^3-2\*x^2+x+1) lgdogf  
A004482 4.50693 [ {(-n-3)\*a(n+1)-a(n+2)-a(n+3)+(n+2)\*a(n+4), a(0) = 1, a(1) = 2, a(2) = 0, a(3) = 4}, ogf]  
A004483 12.2114 [ (2\*x^3+x^2-2\*x+2)/(x^2+x+1)/(x-1)^2 ogf]  
A004483 13.1728 -x\*(2+2\*x^4-3\*x^2+4\*x^3+13\*x)/(x-1)/(x^2+x+1)/(2\*x^3+x^2-2\*x+2) lgdogf  
A004483 5.16925 [ {(n+3)\*a(n+1)+a(n+2)+a(n+3)+(-n-2)\*a(n+4), a(0) = 2, a(1) = 0, a(2) = 1, a(3) = 5}, ogf]  
A004484 5.03171 [ (4\*x^14-12\*x^13+7\*x^12+x^11+x^9+7\*x^7-2\*x^6-2\*x^5-4\*x^4+x^3+x^2+x+3)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2 ogf]  
A004492 5.17072 - (4-2\*x-5\*x^12-54\*x^5-51\*x^7+8\*x^3-4\*x^4-27\*x^8+53\*x^9-22\*x^10+7\*x^13+111\*x^6)/(x-1)/(x^6+x^3+1)/(7\*x^7-6\*x^6-2\*x^4+3\*x^3-2\*x+3) lgdogf  
A004492 5.39226 [ (7\*x^7-6\*x^6-2\*x^4+3\*x^3-2\*x+3)/(x^6+x^3+1)/(x-1)^2 ogf]  
A004493 5.71214 [ (9\*x^9-2\*x^8+x^7-5\*x^6-2\*x^5+x^4+4\*x^3-2\*x^2+x+4)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A004494 5.71214 [ (8\*x^9+x^8-2\*x^7-5\*x^6+x^5-2\*x^4+4\*x^3+x^2-2\*x+5)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A004495 5.17072 - (7-5\*x-2\*x^12-54\*x^5-51\*x^7+59\*x^3-28\*x^4-4\*x^9+8\*x^10+4\*x^13-27\*x^2+111\*x^6)/(x-1)/(4\*x^7-3\*x^6+4\*x^4-3\*x^3-5\*x+6)/(x^6+x^3+1) lgdogf  
A004495 5.39226 [ (4\*x^7-3\*x^6+4\*x^4-3\*x^3-5\*x+6)/(x^6+x^3+1)/(x-1)^2 ogf]  
A004496 5.71214 [ (6\*x^9-2\*x^8+x^7+4\*x^6-2\*x^5+x^4-5\*x^3-2\*x^2+x+7)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A004497 5.71214 [ (5\*x^9+x^8-2\*x^7+4\*x^6+x^5-2\*x^4-5\*x^3+x^2-2\*x+8)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A004498 4.99284 [ (19\*x^19-18\*x^18-8\*x^10+9\*x^9-8\*x+9)/(x^18+x^9+1)/(x-1)^2 ogf]  
A004507 4.91995 [ (10\*x^19-9\*x^18+10\*x^10-9\*x^9-17\*x+18)/(x^18+x^9+1)/(x-1)^2 ogf]  
A004521 5.12100 [ x\*(13\*x^10+2\*x^9+2\*x^8+2\*x^7+2\*x^6-9\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A004522 7.41226 -2\*(1-9\*x^11+7\*x^12+27\*x^5-10\*x^6-15\*x^4+3\*x^10)/(x-1)/(x^2+1)/(7\*x^6-6\*x^5+1)/(x^4-x^2+1) lgdogf  
A004522 8.13481 [ 2\*x\*(7\*x^6-6\*x^5+1)/(x^2+1)/(x^4-x^2+1)/(x-1)^2 ogf]  
A004523 11.5654 [ -(3\*x^3-5\*x^2-2\*x-2)/(-x^4-x^3+x+1) lgdogf]  
A004523 13.6509 [ x^2\*(x+1)/(x^2+x+1)/(x-1)^2 ogf]

A004523 19.6240  $-(2+2*x+3*x^3+5*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A004523 33.1954  $[x^2-x+2$  ogf\_with\_Euler\_transform]  
A004523 5.14016  $[{(2*n+5)*a(n+1)+2*a(n+2)+2*a(n+3)+(-2*n-3)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2}],$  ogf]  
A004524 14.0749  $[-(4*x^2+2*x-2)/(-x^3+x^2-x+1)$  lgdogf]  
A004524 18.3835  $[x^3/(x^2+1)/(x-1)^2$  ogf]  
A004524 30.9668  $[x^3-x+2]$  ogf\_with\_Euler\_transform]  
A004524 32.0165  $-2*(1-x+2*x^2)/(x^2+1)/(x-1)$  lgdogf  
A004524 4.66732  $[{(-n-2)*a(n+1)+(n+1)*a(n+2)+(-n-2)*a(n+3)+(n+1)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1}],$  ogf]  
A004525 12.4583  $[x*(x^2-x+1)/(x^2+1)/(x-1)^2$  ogf]  
A004525 18.6763  $-(1-x-3*x^3+2*x^4+5*x^2)/(x-1)/(x^2+1)/(x^2-x+1)$  lgdogf  
A004525 22.1140  $[[-x^5+x^3+x^2+1]$  ogf\_with\_Euler\_transform]  
A004525 4.66386  $[{(-n-3)*a(n+1)+(n+2)*a(n+2)+(-n-3)*a(n+3)+(n+2)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 1}],$  ogf]  
A004525 9.47347  $[-(2*x^4+3*x^3-5*x^2+x-1)/(-x^5+2*x^4-3*x^3+3*x^2-2*x+1)$  lgdogf]  
A004526 19.8574  $[-(3*x-1)/(-x^2+1)$  lgdogf]  
A004526 21.3104  $[x^2/(x+1)/(x-1)^2$  ogf]  
A004526 41.4744  $[1+x]$  ogf\_with\_Euler\_transform]  
A004526 43.2559  $-(1+3*x)/(x-1)/(x+1)$  lgdogf  
A004526 7.94296  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 0, a(2) = 1}],$  ogf]  
A004538 10.3300  $[x^2-8*x+1)/(x-1)^3$  ogf]  
A004538 19.3482  $-(-5-14*x+x^2)/(x-1)/(x^2-8*x+1)$  lgdogf  
A004538 5.57639  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = -1, a(1) = 5, a(2) = 17}],$  ogf]  
A004538 9.69434  $[-(x^2-14*x-5)/(x^3-9*x^2+9*x-1)$  lgdogf]  
A004643 13.8472  $[-(2*x+1)/(10*x^2-1)$  ogf]  
A004643 15.3749  $-2*(1+10*x+10*x^2)/(2*x+1)/(10*x^2-1)$  lgdogf  
A004643 15.3749  $1/4*(-1+(1+8*x+40*x^2)^(1/2))/(1+5*x)$  revogf  
A004643 8.55269  $[-(20*x^2-20*x-2)/(-20*x^3-10*x^2+2*x+1)$  lgdogf]  
A004643 8.94743  $[{-a(n+2)+10*a(n), a(0) = 1, a(1) = 2}],$  ogf]  
A004647 10.2346  $-2*(1+4*x+20*x^4+20*x^3+15*x^2)/(4*x^2+2*x+1)/(10*x^3-1)$  lgdogf  
A004647 11.7293  $[-(4*x^2+2*x+1)/(10*x^3-1)$  ogf]  
A004647 7.61645  $[{a(n+3)-10*a(n), a(0) = 1, a(1) = 2, a(2) = 4}],$  ogf]  
A004652 11.6738  $[-(2*x^3+x^2-4*x-1)/(-x^4+x^3-x+1)$  lgdogf]  
A004652 12.9309  $[x*(x^2-x+1)/(x+1)/(x-1)^3$  ogf]  
A004652 20.7082  $-(1+4*x+2*x^3-x^2)/(x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A004652 25.3609  $[-x^5+x^2+2*x+1$  ogf\_with\_Euler\_transform]  
A004655 10.6960  $[-(2*x+1)*(4*x^2+1)/(10*x^4-1)$  ogf]  
A004655 6.97042  $[{-a(n+4)+10*a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8}],$  ogf]  
A004655 8.19601  $-2*(1+4*x+40*x^6+40*x^5+30*x^4+20*x^3+12*x^2)/(2*x+1)/(4*x^2+1)/(10*x^4-1)$  lgdogf  
A004657 12.7322  $[-x^7-x^5+2*x^3+x^2+2*x+1$  ogf\_with\_Euler\_transform]  
A004657 5.76082  $[x^2-x+1)*(x^4+1)/(x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A004657 7.47534  $-(1+4*x+2*x^9-x^8+6*x^7+14*x^5-8*x^4+14*x^3)/(x-1)/(x+1)/(1+x^2)/(x^2-x+1)/(1+x^4)$  lgdogf  
A004663 12.1044  $-1/10*10^(1/2)*(arcsinh(3)-arcsinh(3+10*x))$  revegf  
A004663 12.6913  $[-(3*x+1)/(10*x^2-1)$  ogf]  
A004663 14.8712  $-(3+20*x+30*x^2)/(3*x+1)/(10*x^2-1)$  lgdogf  
A004663 7.83872  $[-(30*x^2-20*x-3)/(-30*x^3-10*x^2+3*x+1)$  lgdogf]  
A004663 8.20051  $[{-a(n+2)+10*a(n), a(0) = 1, a(1) = 3}],$  ogf]  
A004669 10.2346  $-3*(1+6*x+30*x^4+20*x^3+10*x^2)/(10*x^3-1)/(9*x^2+3*x+1)$  lgdogf  
A004669 11.7293  $[-(9*x^2+3*x+1)/(10*x^3-1)$  ogf]  
A004669 7.61645  $[{a(n+3)-10*a(n), a(0) = 1, a(1) = 3, a(2) = 9}],$  ogf]  
A004695 15.1108  $[x^3/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A004695 16.1803  $-(-1-2*x+5*x^4+4*x^3-3*x^2)/(x-1)/(x^2+x+1)/(x^2+x-1)$  lgdogf  
A004695 8.97203  $[-(5*x^4-4*x^3+3*x^2+2*x+1)/(-x^5-x^4+x^3+x^2+x-1)$  lgdogf]  
A004696 7.44437  $[x^4*(x^4+x^3+1)/(x-1)/(x+1)/(x^2+1)/(x^2+x-1)/(x^4+1)$  ogf]  
A004697 9.06762  $-(-2+2*x+7*x^6-5*x^4+4*x^3-3*x^2)/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1)$  lgdogf

A004697 9.56966 [  $x^5/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1)$  ogf]  
A004766 16.8561 [  $-(-x+9)/(-x^2+6*x-5)$  lgdogf]  
A004766 17.9799 [  $-(x-5)/(x-1)^2$  ogf]  
A004766 22.6570  $-1/2*(-5-2*x+(25+16*x)^(1/2))/(1+x)$  revogf  
A004766 41.7365  $-(-9+x)/(x-1)/(x-5)$  lgdogf  
A004766 9.86701 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 5, a(1) = 9\}$ , ogf]  
A004767 16.7723 [  $-(x+7)/(x^2+2*x-3)$  lgdogf]  
A004767 17.8904 [  $(x+3)/(x-1)^2$  ogf]  
A004767 22.5420  $-1/2*(-3-2*x+(9+16*x)^(1/2))/(-1+x)$  revogf  
A004767 43.8316  $-(7+x)/(x+3)/(x-1)$  lgdogf  
A004767 9.81793 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 3, a(1) = 7\}$ , ogf]  
A004768 11.5897 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 9, a(1) = 17\}$ , ogf]  
A004768 19.2389 [  $-(-x+17)/(-x^2+10*x-9)$  lgdogf]  
A004768 21.3765 [  $-(x-9)/(x-1)^2$  ogf]  
A004768 27.0143  $-1/2*(-9-2*x+(81+32*x)^(1/2))/(1+x)$  revogf  
A004768 45.0238  $-(-17+x)/(x-1)/(-9+x)$  lgdogf  
A004769 11.5006 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 11, a(1) = 19\}$ , ogf]  
A004769 18.9422 [  $-(-3*x+19)/(-3*x^2+14*x-11)$  lgdogf]  
A004769 21.0012 [  $-(3*x-11)/(x-1)^2$  ogf]  
A004769 25.6652  $-1/2*(-11-2*x+(121+32*x)^(1/2))/(3+x)$  revogf  
A004769 37.9844  $-(-19+3*x)/(x-1)/(3*x-11)$  lgdogf  
A004770 16.7700 [  $-(3*x+13)/(3*x^2+2*x-5)$  lgdogf]  
A004770 18.2607 [  $(3*x+5)/(x-1)^2$  ogf]  
A004770 22.3826  $-1/2*(-5-2*x+(25+32*x)^(1/2))/(-3+x)$  revogf  
A004770 35.0337  $-(13+3*x)/(3*x+5)/(x-1)$  lgdogf  
A004770 9.90036 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 5, a(1) = 13\}$ , ogf]  
A004771 16.7700 [  $-(x+15)/(x^2+6*x-7)$  lgdogf]  
A004771 18.2607 [  $(x+7)/(x-1)^2$  ogf]  
A004771 22.3826  $-1/2*(-7-2*x+(49+32*x)^(1/2))/(-1+x)$  revogf  
A004771 42.4092  $-(15+x)/(7+x)/(x-1)$  lgdogf  
A004771 9.90036 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 7, a(1) = 15\}$ , ogf]  
A004772 12.9182 [  $x*(x^2+x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A004772 15.6042  $-(3+5*x+2*x^2+4*x^3+10*x^4)/(x-1)/(x^2+x+1)/(x^2+x+2)$  lgdogf  
A004772 5.12001 [  $\{(4*n+13)*a(n+1)+4*a(n+2)+4*a(n+3)+(-4*n-9)*a(n+4), a(0) = 0,$   
 $a(1) = 2, a(2) = 3, a(3) = 4\}$ , ogf]  
A004772 8.65652 [  $-(2*x^4+4*x^3+10*x^2+5*x+3)/(x^5+x^4+2*x^3-x^2-x-2)$  lgdogf]  
A004773 13.0932 [  $x*(2*x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A004773 15.5251  $-(2+6*x+4*x^2+5*x^3+7*x^4)/(x-1)/(x^2+x+1)/(2*x^2+x+1)$  lgdogf  
A004773 5.18937 [  $\{(-4*n-11)*a(n+1)-4*a(n+2)-4*a(n+3)+(4*n+7)*a(n+4), a(0) = 0,$   
 $a(1) = 1, a(2) = 2, a(3) = 4\}$ , ogf]  
A004773 8.86517 [  $-(-4*x^4-5*x^3-7*x^2-6*x-2)/(-2*x^5-x^4-x^3+2*x^2+x+1)$  lgdogf]  
A004774 8.06497 [  $x*(x^8+x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/$   
 $(x-1)^2$  ogf]  
A004775 7.94894 [  $x*(x^{10}+x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/$   
 $(x-1)^2$  ogf]  
A004776 8.73012 [  $x*(x^6+x^5+2*x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/$   
 $(x-1)^2$  ogf]  
A004777 8.73012 [  $x*(2*x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/$   
 $(x-1)^2$  ogf]  
A004797 22.0976 [  $-(4+2*x)/(-x-1)$  ogf\_with\_Euler\_transform]  
A004798 12.2047 [  $(x+1)^2/(x^2+x-1)^2$  ogf]  
A004798 14.0354 [  $-(-2*x^2-4*x-4)/(-x^3-2*x^2+1)$  lgdogf]  
A004798 27.5931  $-2*(2+2*x+x^2)/(x+1)/(x^2+x-1)$  lgdogf  
A004798 4.62707 [  $\{(-n-4)*a(n+4)+4*a(n+3)+(8+2*n)*a(n+2)+(n+3)*a(n+1), a(0) = 1,$   
 $a(1) = 4, a(2) = 10, a(3) = 22\}$ , ogf]  
A004799 10.1963 [  $(2*x+1)^2/(x^2+x-1)^2$  ogf]  
A004799 10.9929 [  $-(-4*x^2-4*x-6)/(-2*x^3-3*x^2+x+1)$  lgdogf]  
A004799 20.2848  $-2*(3+2*x+2*x^2)/(2*x+1)/(x^2+x-1)$  lgdogf  
A004799 3.53540 [  $\{(-n-4)*a(n+4)+(3-n)*a(n+3)+(10+3*n)*a(n+2)+(6+2*n)*a(n+1),$   
 $a(0) = 1, a(1) = 6, a(2) = 17, a(3) = 38\}$ , ogf]  
A004812 5.10326 [  $(190270091*x^{14}-185971319*x^{13}+51024*x^{12}-4204749*x-49908)/$

(4252\*x^12-4159)/(x-1)^2 ogf]  
 A004822 4.97848 [ (1012228988\*x^13-998540960\*x^12+73953\*x^11-13506824\*x-72974)/  
 (6723\*x^11-6634)/(x-1)^2 ogf]  
 A004823 4.98835 [ (985251575\*x^14-971751385\*x^13+79608\*x^12-13319075\*x-78540)/  
 (6634\*x^12-6545)/(x-1)^2 ogf]  
 A004830 11.4243 [ -x\*(x^2-x+1)\*(x^21-x^19-x^18+x^16+x^15-x^13-x^12+x^10+x^9-x^7-  
 x^6+x^4+x^3-x-1)/(x-1)^2 ogf]  
 A004830 6.07203 (2+21\*x^23-43\*x^22+22\*x^21)/(x-1)/(x^2-x+1)/(x^21-x^19-  
 x^18+x^16+x^15-x^13-x^12+x^10+x^9-x^7-x^6+x^4+x^3-x-1) lgdogf  
 A004919 6.16229 [ x\*(x^7+6\*x^6+7\*x^5+7\*x^4+7\*x^3+7\*x^2+7\*x+6)/  
 (x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
 A004920 4.25450 [ x\*(x^11+11\*x^10+11\*x^9+11\*x^8+11\*x^7+11\*x^6+11\*x^5+11\*x^4+11\*x^3+11\*x^2+11\*x  
 +11)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
 A004923 12.2837 [ -(x+93)/(x^2+45\*x-46) lgdogf]  
 A004923 12.5294 [ x\*(x+46)/(x-1)^2 ogf]  
 A004923 19.2337 [ -(23-x+(529+47\*x)^(1/2))/(-1+x) revogf]  
 A004923 30.7739 [ -(93+x)/(x+46)/(x-1) lgdogf]  
 A004923 6.08222 [ {a(n+3)-2\*a(n+2)+a(n+1), a(0) = 0, a(1) = 46, a(2) = 93}, ogf]  
 A004924 16.1541 [ 76\*x/(x-1)^2 ogf]  
 A004924 21.5366 [ 19\*x/(19+(361+19\*x)^(1/2))^2 revogf]  
 A004924 21.9234 [ 2/(-x+1) lgdogf]  
 A004924 7.48605 [ {a(n+2)-2\*a(n+1)+a(n), a(0) = 0, a(1) = 76}, ogf]  
 A004924 75.3780 [ -2/(x-1) lgdogf]  
 A004925 10.9294 [ -(x+245)/(x^2+121\*x-122) lgdogf]  
 A004925 11.5723 [ x\*(x+122)/(x-1)^2 ogf]  
 A004925 17.0448 [ -(-61-x+(3721+123\*x)^(1/2))/(-1+x) revogf]  
 A004925 26.3419 [ -(245+x)/(x+122)/(x-1) lgdogf]  
 A004925 5.62084 [ {a(n+3)-2\*a(n+2)+a(n+1), a(0) = 0, a(1) = 122, a(2) = 245},  
 ogf]  
 A004926 15.4065 [ 199\*x/(x-1)^2 ogf]  
 A004926 17.8845 [ 796\*x/(199+(39601+796\*x)^(1/2))^2 revogf]  
 A004926 21.4591 [ 2/(-x+1) lgdogf]  
 A004926 7.23920 [ {a(n+2)-2\*a(n+1)+a(n), a(0) = 0, a(1) = 199}, ogf]  
 A004926 73.7735 [ -2/(x-1) lgdogf]  
 A004927 10.9709 [ -(x+643)/(x^2+320\*x-321) lgdogf]  
 A004927 11.6162 [ x\*(x+321)/(x-1)^2 ogf]  
 A004927 13.2239 [ -1/2\*(-321-2\*x+(103041+1288\*x)^(1/2))/(-1+x) revogf]  
 A004927 26.4477 [ -(643+x)/(x+321)/(x-1) lgdogf]  
 A004927 5.64217 [ {a(n+3)-2\*a(n+2)+a(n+1), a(0) = 0, a(1) = 321, a(2) = 643},  
 ogf]  
 A004928 15.1071 [ 521\*x/(x-1)^2 ogf]  
 A004928 16.0772 [ 2084\*x/(521+(271441+2084\*x)^(1/2))^2 revogf]  
 A004928 21.0420 [ 2/(-x+1) lgdogf]  
 A004928 7.09851 [ {a(n+2)-2\*a(n+1)+a(n), a(0) = 0, a(1) = 521}, ogf]  
 A004928 72.3473 [ -2/(x-1) lgdogf]  
 A004929 10.2654 [ -(x+1685)/(x^2+841\*x-842) lgdogf]  
 A004929 11.0706 [ x\*(x+842)/(x-1)^2 ogf]  
 A004929 14.9837 [ -(-421-x+(177241+843\*x)^(1/2))/(-1+x) revogf]  
 A004929 24.1042 [ -(1685+x)/(x+842)/(x-1) lgdogf]  
 A004929 5.32641 [ {a(n+3)-2\*a(n+2)+a(n+1), a(0) = 0, a(1) = 842, a(2) = 1685},  
 ogf]  
 A004930 13.8901 [ 1364\*x/(x-1)^2 ogf]  
 A004930 16.0442 [ 341\*x/(341+(116281+341\*x)^(1/2))^2 revogf]  
 A004930 19.8430 [ 2/(-x+1) lgdogf]  
 A004930 6.61433 [ {a(n+2)-2\*a(n+1)+a(n), a(0) = 0, a(1) = 1364}, ogf]  
 A004930 68.1878 [ -2/(x-1) lgdogf]  
 A004931 10.8790 [ x\*(x+2206)/(x-1)^2 ogf]  
 A004931 13.8901 [ -(-1103-x+(1216609+2207\*x)^(1/2))/(-1+x) revogf]  
 A004931 23.1502 [ -(4413+x)/(x+2206)/(x-1) lgdogf]  
 A004931 5.28697 [ {a(n+3)-2\*a(n+2)+a(n+1), a(0) = 0, a(1) = 2206, a(2) = 4413},

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ogf]
A004931 9.92467 [-(x+4413)/(x^2+2205*x-2206) lgdogf]
A004932 13.0850 14284*x/(3571+(12752041+14284*x)^(1/2))^2 revogf
A004932 13.6620 [ 3571*x/(x-1)^2 ogf]
A004932 19.5172 [2/(-x+1) lgdogf]
A004932 6.50573 [{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 3571}, ogf]
A004932 67.0605 -2/(x-1) lgdogf
A004933 10.6481 [ x*(x+5777)/(x-1)^2 ogf]
A004933 11.3294 -1/2*(-5777-2*x+(33373729+23112*x)^(1/2))/(-1+x) revogf
A004933 21.7525 -(11555+x)/(x+5777)/(x-1) lgdogf
A004933 5.12686 [{a(n+3)-2*a(n+2)+a(n+1), a(0) = 0, a(1) = 5777, a(2) = 11555},
ogf]
A004933 9.54657 [-(x+11555)/(x^2+5776*x-5777) lgdogf]
A004934 13.1119 37396*x/(9349+(87403801+37396*x)^(1/2))^2 revogf
A004934 13.6840 [ 9349*x/(x-1)^2 ogf]
A004934 19.5486 [2/(-x+1) lgdogf]
A004934 6.51620 [{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 9349}, ogf]
A004934 67.1983 -2/(x-1) lgdogf
A004935 10.6349 [ x*(x+15126)/(x-1)^2 ogf]
A004935 13.1875 -(-7563-x+(57198969+15127*x)^(1/2))/(-1+x) revogf
A004935 21.3030 -(30253+x)/(x+15126)/(x-1) lgdogf
A004935 5.17111 [{a(n+3)-2*a(n+2)+a(n+1), a(0) = 0, a(1) = 15126, a(2) = 30253},
ogf]
A004935 9.39418 [-(x+30253)/(x^2+15125*x-15126) lgdogf]
A004940 4.41489 [
x*(11*x^10+11*x^9+11*x^8+11*x^7+11*x^6+12*x^5+11*x^4+11*x^3+11*x^2+11*x+11)/
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]
A004942 12.4291 (58+14*x^13+13*x^15-27*x^14)/(x-1)/(x^15-x^14-29) lgdogf
A004943 15.1714 [1/47*x^23-1/47*x^22+2 egf_with_Euler_transform]
A004944 16.1541 [ 76*x/(x-1)^2 ogf]
A004944 21.5366 19*x/(19+(361+19*x)^(1/2))^2 revogf
A004944 21.9234 [2/(-x+1) lgdogf]
A004944 7.48605 [{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 76}, ogf]
A004944 75.3780 -2/(x-1) lgdogf
A004945 15.1330 [ 123*x/(x-1)^2 ogf]
A004945 17.5613 492*x/(123+(15129+492*x)^(1/2))^2 revogf
A004945 21.0781 [2/(-x+1) lgdogf]
A004945 7.11070 [{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 123}, ogf]
A004945 72.4403 -2/(x-1) lgdogf
A004946 15.4065 [ 199*x/(x-1)^2 ogf]
A004946 17.8845 796*x/(199+(39601+796*x)^(1/2))^2 revogf
A004946 21.4591 [2/(-x+1) lgdogf]
A004946 7.23920 [{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 199}, ogf]
A004946 73.7735 -2/(x-1) lgdogf
A004947 15.1905 [ 322*x/(x-1)^2 ogf]
A004947 17.6318 322*x/(161+(25921+322*x)^(1/2))^2 revogf
A004947 21.1581 [2/(-x+1) lgdogf]
A004947 7.13769 [{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 322}, ogf]
A004947 72.7312 -2/(x-1) lgdogf
A004948 15.1071 [ 521*x/(x-1)^2 ogf]
A004948 16.0772 2084*x/(521+(271441+2084*x)^(1/2))^2 revogf
A004948 21.0420 [2/(-x+1) lgdogf]
A004948 7.09851 [{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 521}, ogf]
A004948 72.3473 -2/(x-1) lgdogf
A004949 10.7177 [{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 843}, ogf]
A004949 109.794 -2/(x-1) lgdogf
A004949 22.8094 [ 843*x/(x-1)^2 ogf]
A004949 24.3987 3372*x/(843+(710649+3372*x)^(1/2))^2 revogf
A004949 31.7702 [2/(-x+1) lgdogf]
A004950 13.8901 [ 1364*x/(x-1)^2 ogf]
A004950 16.0442 341*x/(341+(116281+341*x)^(1/2))^2 revogf

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A004950 19.8430 [2/(-x+1) lgdogf]  
A004950 6.61433 [{a(n+2)-2\*a(n+1)+a(n), a(0) = 0, a(1) = 1364}, ogf]  
A004950 68.1878 -2/(x-1) lgdogf  
A004951 14.1426 [ 2207\*x/(x-1)^2 ogf]  
A004951 14.6212 8828\*x/(2207+(4870849+8828\*x)^(1/2))^2 revogf  
A004951 20.2038 [2/(-x+1) lgdogf]  
A004951 6.73460 [{a(n+2)-2\*a(n+1)+a(n), a(0) = 0, a(1) = 2207}, ogf]  
A004951 69.4506 -2/(x-1) lgdogf  
A004952 13.0850 14284\*x/(3571+(12752041+14284\*x)^(1/2))^2 revogf  
A004952 13.6620 [ 3571\*x/(x-1)^2 ogf]  
A004952 19.5172 [2/(-x+1) lgdogf]  
A004952 6.50573 [{a(n+2)-2\*a(n+1)+a(n), a(0) = 0, a(1) = 3571}, ogf]  
A004952 67.0605 -2/(x-1) lgdogf  
A004953 13.8425 [ 5778\*x/(x-1)^2 ogf]  
A004953 15.9945 642\*x/(963+(927369+642\*x)^(1/2))^2 revogf  
A004953 19.7750 [2/(-x+1) lgdogf]  
A004953 6.59168 [{a(n+2)-2\*a(n+1)+a(n), a(0) = 0, a(1) = 5778}, ogf]  
A004953 67.9767 -2/(x-1) lgdogf  
A004954 13.1119 37396\*x/(9349+(87403801+37396\*x)^(1/2))^2 revogf  
A004954 13.6840 [ 9349\*x/(x-1)^2 ogf]  
A004954 19.5486 [2/(-x+1) lgdogf]  
A004954 6.51620 [{a(n+2)-2\*a(n+1)+a(n), a(0) = 0, a(1) = 9349}, ogf]  
A004954 67.1983 -2/(x-1) lgdogf  
A004955 10.9984 [{a(n+2)-2\*a(n+1)+a(n), a(0) = 0, a(1) = 15127}, ogf]  
A004955 115.493 -2/(x-1) lgdogf  
A004955 21.4872 60508\*x/(15127+(228826129+60508\*x)^(1/2))^2 revogf  
A004955 22.8015 [ 15127\*x/(x-1)^2 ogf]  
A004955 33.3879 [2/(-x+1) lgdogf]  
A004959 6.67052 [ x\*(6\*x^6+7\*x^5+7\*x^4+7\*x^3+7\*x^2+7\*x+7)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A004960 4.41489 [ x\*(11\*x^10+11\*x^9+11\*x^8+11\*x^7+11\*x^6+11\*x^5+11\*x^4+11\*x^3+11\*x^2+11\*x+12)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A004963 16.4860 [ 47\*x/(x-1)^2 ogf]  
A004963 19.8541 188\*x/(47+(2209+188\*x)^(1/2))^2 revogf  
A004963 22.3739 [2/(-x+1) lgdogf]  
A004963 7.63987 [{a(n+2)-2\*a(n+1)+a(n), a(0) = 0, a(1) = 47}, ogf]  
A004963 76.9348 -2/(x-1) lgdogf  
A004964 11.8049 [ -(-x+153)/(-x^2+78\*x-77) lgdogf]  
A004964 12.2771 [ -x\*(x-77)/(x-1)^2 ogf]  
A004964 15.4621 -1/2\*(-77-2\*x+(5929+304\*x)^(1/2))/(1+x) revogf  
A004964 27.4102 -(-153+x)/(x-1)/(x-77) lgdogf  
A004964 5.90246 [{a(n+3)-2\*a(n+2)+a(n+1), a(0) = 0, a(1) = 77, a(2) = 153}, ogf]  
A004965 15.1330 [ 123\*x/(x-1)^2 ogf]  
A004965 17.5613 492\*x/(123+(15129+492\*x)^(1/2))^2 revogf  
A004965 21.0781 [2/(-x+1) lgdogf]  
A004965 7.11070 [{a(n+2)-2\*a(n+1)+a(n), a(0) = 0, a(1) = 123}, ogf]  
A004965 72.4403 -2/(x-1) lgdogf  
A004966 11.1269 [ -(-x+399)/(-x^2+201\*x-200) lgdogf]  
A004966 11.7815 [ -x\*(x-200)/(x-1)^2 ogf]  
A004966 16.8625 -(-100-x+(10000+199\*x)^(1/2))/(1+x) revogf  
A004966 25.6604 -(-399+x)/(x-1)/(x-200) lgdogf  
A004966 5.72242 [{a(n+3)-2\*a(n+2)+a(n+1), a(0) = 0, a(1) = 200, a(2) = 399}, ogf]  
A004967 15.1905 [ 322\*x/(x-1)^2 ogf]  
A004967 17.6318 322\*x/(161+(25921+322\*x)^(1/2))^2 revogf  
A004967 21.1581 [2/(-x+1) lgdogf]  
A004967 7.13769 [{a(n+2)-2\*a(n+1)+a(n), a(0) = 0, a(1) = 322}, ogf]  
A004967 72.7312 -2/(x-1) lgdogf  
A004968 10.7123 [ -(-x+1043)/(-x^2+523\*x-522) lgdogf]  
A004968 11.5525 [ -x\*(x-522)/(x-1)^2 ogf]

A004968 16.5365  $-( -261-x+(68121+521*x)^{(1/2)})/(1+x)$  revogf  
A004968 24.1158  $-(-1043+x)/(x-1)/(x-522)$  lgdogf  
A004968 5.55826  $[{a(n+3)-2*a(n+2)+a(n+1), a(0) = 0, a(1) = 522, a(2) = 1043},$   
ogf]  
A004969 14.4769  $[ 843*x/(x-1)^2$  ogf]  
A004969 15.3999  $3372*x/(843+(710649+3372*x)^{(1/2)})^2$  revogf  
A004969 20.1642  $[2/(-x+1)$  lgdogf]  
A004969 6.80240  $[{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 843},$  ogf]  
A004969 69.2994  $-2/(x-1)$  lgdogf  
A004970 10.6847  $[ -x*(x-1365)/(x-1)^2$  ogf]  
A004970 12.1223  $-1/2*(-1365-2*x+(1863225+5456*x)^{(1/2)})/(1+x)$  revogf  
A004970 21.8201  $-(-2729+x)/(x-1)/(x-1365)$  lgdogf  
A004970 5.19256  $[{a(n+3)-2*a(n+2)+a(n+1), a(0) = 0, a(1) = 1365, a(2) = 2729},$   
ogf]  
A004970 9.74744  $[-( -x+2729)/(-x^2+1366*x-1365)$  lgdogf]  
A004971 14.1426  $[ 2207*x/(x-1)^2$  ogf]  
A004971 14.6212  $8828*x/(2207+(4870849+8828*x)^{(1/2)})^2$  revogf  
A004971 20.2038  $[2/(-x+1)$  lgdogf]  
A004971 6.73460  $[{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 2207},$  ogf]  
A004971 69.4506  $-2/(x-1)$  lgdogf  
A004972 13.7560  $-(-1786-x+(3189796+3571*x)^{(1/2)})/(1+x)$  revogf  
A004972 13.7683  $[-( -x+7143)/(-x^2+3573*x-3572)$  lgdogf]  
A004972 15.0921  $[ -x*(x-3572)/(x-1)^2$  ogf]  
A004972 21.4594  $-(-7143+x)/(x-1)/(x-3572)$  lgdogf  
A004972 7.33450  $[{a(n+3)-2*a(n+2)+a(n+1), a(0) = 0, a(1) = 3572, a(2) = 7143},$   
ogf]  
A004973 13.8425  $[ 5778*x/(x-1)^2$  ogf]  
A004973 15.9945  $642*x/(963+(927369+642*x)^{(1/2)})^2$  revogf  
A004973 19.7750  $[2/(-x+1)$  lgdogf]  
A004973 6.59168  $[{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 5778},$  ogf]  
A004973 67.9767  $-2/(x-1)$  lgdogf  
A004974 10.5262  $[ -x*(x-9350)/(x-1)^2$  ogf]  
A004974 13.4397  $-(-4675-x+(21855625+9349*x)^{(1/2)})/(1+x)$  revogf  
A004974 20.6764  $-(-18699+x)/(x-1)/(x-9350)$  lgdogf  
A004974 5.06816  $[{a(n+3)-2*a(n+2)+a(n+1), a(0) = 0, a(1) = 9350, a(2) = 18699},$   
ogf]  
A004974 9.43726  $[-( -x+18699)/(-x^2+9351*x-9350)$  lgdogf]  
A004975 10.9984  $[{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 15127},$  ogf]  
A004975 115.493  $-2/(x-1)$  lgdogf  
A004975 21.4872  $60508*x/(15127+(228826129+60508*x)^{(1/2)})^2$  revogf  
A004975 22.8015  $[ 15127*x/(x-1)^2$  ogf]  
A004975 33.3879  $[2/(-x+1)$  lgdogf]  
A004981 21.6378  $[2/(-8*x+1)$  lgdogf]  
A004981 39.5788  $-2+(1-8*x)*f(x)$  lgdogf  
A004981 5.77009  $[{(-n-2)*a(n+2)+(10+8*n)*a(n+1), a(0) = 1, a(1) = 2},$  ogf]  
A004982 21.2911  $[6/(-8*x+1)$  lgdogf]  
A004982 38.9445  $-6+(1-8*x)*f(x)$  lgdogf  
A004982 5.67762  $[{(-n-2)*a(n+2)+(14+8*n)*a(n+1), a(0) = 1, a(1) = 6},$  ogf]  
A004983 23.9641  $[6/(8*x-1)$  lgdogf]  
A004983 45.4646  $-6+(-1+8*x)*f(x)$  lgdogf  
A004983 6.45188  $[{(n+2)*a(n+2)+(-2-8*n)*a(n+1), a(0) = 1, a(1) = -6},$  ogf]  
A004984 22.7412  $[2/(8*x-1)$  lgdogf]  
A004984 43.0814  $-2+(-1+8*x)*f(x)$  lgdogf  
A004984 6.12263  $[{(n+2)*a(n+2)+(-6-8*n)*a(n+1), a(0) = 1, a(1) = -2},$  ogf]  
A004985 21.5899  $[10/(-8*x+1)$  lgdogf]  
A004985 38.3828  $-10+(1-8*x)*f(x)$  lgdogf  
A004985 5.90668  $[{(-n-2)*a(n+2)+(18+8*n)*a(n+1), a(0) = 1, a(1) = 10},$  ogf]  
A004986 20.4080  $[14/(-8*x+1)$  lgdogf]  
A004986 36.2534  $-14+(1-8*x)*f(x)$  lgdogf  
A004986 5.58332  $[{(-n-2)*a(n+2)+(22+8*n)*a(n+1), a(0) = 1, a(1) = 14},$  ogf]  
A004987 20.8631  $[3/(-9*x+1)$  lgdogf]

A004987 5.56350 [ $\{(-n-2)*a(n+2)+(12+9*n)*a(n+1), a(0) = 1, a(1) = 3\}$ , ogf]  
A004987 52.0168  $-3/(-1+9*x)$  lgdogf  
A004988 24.5736  $[6/(-9*x+1)$  lgdogf]  
A004988 6.55297 [ $\{(-n-2)*a(n+2)+(15+9*n)*a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A004988 61.4439  $-6/(-1+9*x)$  lgdogf  
A004989 18.7233  $[6/(9*x-1)$  lgdogf]  
A004989 5.04089 [ $\{(n+2)*a(n+2)+(-3-9*n)*a(n+1), a(0) = 1, a(1) = -6\}$ , ogf]  
A004989 56.9189  $6/(-1+9*x)$  lgdogf  
A004990 21.5291  $[3/(9*x-1)$  lgdogf]  
A004990 5.79630 [ $\{(n+2)*a(n+2)+(-6-9*n)*a(n+1), a(0) = 1, a(1) = -3\}$ , ogf]  
A004990 65.1527  $3/(-1+9*x)$  lgdogf  
A004991 14.0542  $[12/(-9*x+1)$  lgdogf]  
A004991 24.7800  $-12+(1-9*x)*f(x)$  lgdogf  
A004991 3.84501 [ $\{(-n-2)*a(n+2)+(21+9*n)*a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A004992 14.8190  $[15/(-9*x+1)$  lgdogf]  
A004992 26.1663  $-15+(1-9*x)*f(x)$  lgdogf  
A004992 4.05425 [ $\{(-n-2)*a(n+2)+(24+9*n)*a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A004993 18.3564  $[6/(-36*x+1)$  lgdogf]  
A004993 32.5779  $-6+(1-36*x)*f(x)$  lgdogf  
A004993 5.02205 [ $\{(-n-2)*a(n+2)+(42+36*n)*a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A004994 16.7899  $[30/(-36*x+1)$  lgdogf]  
A004994 28.9921  $-30+(1-36*x)*f(x)$  lgdogf  
A004994 4.70745 [ $\{(-n-2)*a(n+2)+(66+36*n)*a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A004995 16.7280  $[30/(36*x-1)$  lgdogf]  
A004995 29.5743  $-30+(-1+36*x)*f(x)$  lgdogf  
A004995 4.73433 [ $\{(n+2)*a(n+2)+(-6-36*n)*a(n+1), a(0) = 1, a(1) = -30\}$ , ogf]  
A004996 15.5012  $[6/(36*x-1)$  lgdogf]  
A004996 28.0363  $-6+(-1+36*x)*f(x)$  lgdogf  
A004996 4.24091 [ $\{(n+2)*a(n+2)+(-30-36*n)*a(n+1), a(0) = 1, a(1) = -6\}$ , ogf]  
A004997 17.3315  $[42/(-36*x+1)$  lgdogf]  
A004997 29.9478  $-42+(1-36*x)*f(x)$  lgdogf  
A004997 4.85931 [ $\{(-n-2)*a(n+2)+(78+36*n)*a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A004998 15.4825  $[66/(-36*x+1)$  lgdogf]  
A004998 26.7011  $-66+(1-36*x)*f(x)$  lgdogf  
A004998 4.30069 [ $\{(-n-2)*a(n+2)+(102+36*n)*a(n+1), a(0) = 1, a(1) = 66\}$ , ogf]  
A005004 10.1339 [ $(x^2+x+1)*(x^3-x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A005005 8.28211 [ $(x^2+x+1)*(x^4+x^3-x^2+2*x+1)/(x+1)/(x-1)^2$  ogf]  
A005009 13.3432 [ $\{a(n+1)-2*a(n), a(0) = 7\}$ , ogf]  
A005009 24.7802  $[2/(-2*x+1)$  lgdogf]  
A005009 27.7538 [ $-7/(2*x-1)$  ogf]  
A005009 28.3433  $-1/2*\ln(7)+1/2*\ln(7+2*x)$  revegef  
A005009 61.8400  $-2/(-1+2*x)$  lgdogf  
A005010 12.6921 [ $\{a(n+1)-2*a(n), a(0) = 9\}$ , ogf]  
A005010 23.5711  $[2/(-2*x+1)$  lgdogf]  
A005010 26.3996 [ $-9/(2*x-1)$  ogf]  
A005010 32.3261  $-\ln(3)+1/2*\ln(9+2*x)$  revegef  
A005010 58.7747  $-2/(-1+2*x)$  lgdogf  
A005011 12.9306  $(-n-2)*a(n+2)+5*a(n+1), a(0)=1, a(1)=5$  lgdegf  
A005011 20.9552  $[\exp(5*x)$  lgdegf]  
A005012 13.9299  $6*a(n)+(-n-1)*a(n+1), a(0)=7, a(1)=6$  lgdegf  
A005012 28.5842  $[\exp(6*x)$  lgdegf]  
A005013 11.3747  $-(-1-8*x+2*x^5+3*x^4+4*x^3-3*x^2)/(x^2+x+1)/(x^2+x-1)/(x^2-x-1)$   
lgdogf  
A005013 13.2437 [ $x*(x^2+x+1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A005015 14.3839 [ $\{a(n+1)-2*a(n), a(0) = 11\}$ , ogf]  
A005015 27.2266  $[2/(-2*x+1)$  lgdogf]  
A005015 28.7927  $-1/2*\ln(11)+1/2*\ln(11+2*x)$  revegef  
A005015 29.3210 [ $-11/(2*x-1)$  ogf]  
A005015 68.0554  $-2/(-1+2*x)$  lgdogf  
A005021 11.7129  $[-(3*x^2-12*x+5)/(x^3-6*x^2+5*x-1)$  lgdogf]  
A005021 18.6506  $-(5-12*x+3*x^2)/(-6*x^2-1+5*x+x^3)$  lgdogf



A005021 20.5767 [  $-1/(x^3-6x^2+5x-1)$  ogf]  
A005021 6.73751 [  $\{a(n+3)-5a(n+2)+6a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 19\}$ , ogf]  
A005022 10.6175  $-(13-56x+8x^4-40x^3+74x^2)/(x-1)/(-1+2x)/(2x-3)/(2x^2-4x+1)$  lgdogf  
A005022 11.4960 [  $-2*(x-1)*(2x-3)/(2x-1)/(2x^2-4x+1)$  ogf]  
A005022 6.24352 [  $\{a(n+3)-6a(n+2)+10a(n+1)-4a(n), a(0) = 6, a(1) = 26, a(2) = 100\}$ , ogf]  
A005022 6.96392 [  $(-(-8x^4+40x^3-74x^2+56x-13)/(-8x^5+40x^4-74x^3+62x^2-23x+3)$  lgdogf]  
A005023 8.22603  $-(34-190x-20x^5+130x^4+x^6-314x^3+362x^2)/(x-1)/(x^3-9x^2+6x-1)/(x^3-10x^2+15x-7)$  lgdogf  
A005023 9.29899 [  $-(x^3-10x^2+15x-7)/(x-1)/(x^3-9x^2+6x-1)$  ogf]  
A005024 6.52694  $-(43-296x-200x^5+610x^4+25x^6-920x^3+746x^2)/(x^2-3x+1)/(5x^2-5x+1)/(5x^3-20x^2+21x-8)$  lgdogf  
A005024 8.05163 [  $-(5x^3-20x^2+21x-8)/(x^2-3x+1)/(5x^2-5x+1)$  ogf]  
A005025 7.41545 [  $-(x^4-15x^3+35x^2-28x+9)/(x^5-15x^4+35x^3-28x^2+9x-1)$  ogf]  
A005029 14.5783 [  $\{a(n+1)-2a(n), a(0) = 13\}$ , ogf]  
A005029 27.5946 [  $2/(-2x+1)$  lgdogf]  
A005029 29.1889  $-1/2*\ln(13)+1/2*\ln(13+2x)$  revegef  
A005029 29.7172 [  $-13/(2x-1)$  ogf]  
A005029 68.9920  $-2/(-1+2x)$  lgdogf  
A005030 14.5778 [  $\{a(n+1)-3a(n), a(0) = 5\}$ , ogf]  
A005030 27.0730 [  $3/(-3x+1)$  lgdogf]  
A005030 30.3217 [  $-5/(3x-1)$  ogf]  
A005030 31.0358  $-1/3*\ln(5)+1/3*\ln(5+3x)$  revegef  
A005030 67.7145  $-3/(-1+3x)$  lgdogf  
A005032 14.8313 [  $\{a(n+1)-3a(n), a(0) = 7\}$ , ogf]  
A005032 27.5438 [  $3/(-3x+1)$  lgdogf]  
A005032 30.8491 [  $-7/(3x-1)$  ogf]  
A005032 31.5851  $-1/3*\ln(7)+1/3*\ln(7+3x)$  revegef  
A005032 68.9130  $-3/(-1+3x)$  lgdogf  
A005043 14.8627 [  $-(-x^2+x)/(-x^2+x-1)$  revogf]  
A005043 34.5490  $-x*(-1+x)/(1-x+x^2)$  revogf  
A005043 5.18698 [  $\{(3n+6)*a(n+1)+(2n+4)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 1\}$ , ogf]  
A005044 10.9993 [  $-x^3/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A005044 15.3611  $-x*(3x^2+x+2)*(3x^2+2x+1)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A005044 30.6250 [  $x^3+x^2+x$  ogf\_with\_Euler\_transform]  
A005044 8.82121 [  $(-(-9x^5-9x^4-11x^3-5x^2-2x)/(-x^6-x^5-x^4+x^2+x+1)$  lgdogf]  
A005045 6.25649  $-(3+9x+11x^5+15x^4+3x^9-9x^8-9x^7-7x^6+23x^3+x^{10}+5x^{11}+15x^2)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^6-x^5-x^3+x+1)$  lgdogf  
A005045 6.37378 [  $-x^2*(x^6-x^5-x^3+x+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A005051 14.8947 [  $\{a(n+1)-3a(n), a(0) = 8\}$ , ogf]  
A005051 27.6615 [  $3/(-3x+1)$  lgdogf]  
A005051 30.9809 [  $-8/(3x-1)$  ogf]  
A005051 38.0670  $-\ln(2)+1/3*\ln(8+3x)$  revegef  
A005051 76.1339  $-3/(3x-1)$  lgdogf  
A005052 13.7086 [  $\{a(n+1)-3a(n), a(0) = 10\}$ , ogf]  
A005052 25.9484 [  $3/(-3x+1)$  lgdogf]  
A005052 27.4432  $-1/3*\ln(10)+1/3*\ln(10+3x)$  revegef  
A005052 27.9445 [  $-10/(3x-1)$  ogf]  
A005052 71.3524  $-3/(3x-1)$  lgdogf  
A005053 14.5643 [  $(2x-1)/(5x-1)$  ogf]  
A005053 14.5643 [  $-3/(-10x^2+7x-1)$  lgdogf]  
A005053 15.4912  $1/4+5/4*x-1/4*(1+2*x+25*x^2)^{(1/2)}$  revogf  
A005053 30.9825  $3/(5x-1)/(2x-1)$  lgdogf  
A005053 7.48444 [  $\{a(n+2)-5a(n+1), a(0) = 1, a(1) = 3\}$ , ogf]

A005054 14.8112 [ (x-1)/(5\*x-1) ogf]  
A005054 15.2226 [-4/(-5\*x^2+6\*x-1) lgdogf]  
A005054 15.7599 1/2+5/2\*x-1/2\*(1+6\*x+25\*x^2)^(1/2) revogf  
A005054 35.7224 4/(5\*x-1)/(x-1) lgdogf  
A005054 7.61131 [{a(n+2)-5\*a(n+1), a(0) = 1, a(1) = 4}, ogf]  
A005055 14.1097 [{a(n+1)-5\*a(n), a(0) = 7}, ogf]  
A005055 26.2038 [5/(-5\*x+1) lgdogf]  
A005055 29.3482 [ -7/(5\*x-1) ogf]  
A005055 30.0484 -1/5\*ln(7)+1/5\*ln(7+5\*x) revogf  
A005055 72.1163 -5/(5\*x-1) lgdogf  
A005056 11.2083 -2\*(-2+12\*x+3\*x^4+12\*x^3-23\*x^2)/(x-1)/(3\*x-1)/(2\*x-1)/  
(x^2+2\*x-1) lgdogf  
A005056 12.1464 [ (x^2+2\*x-1)/(x-1)/(3\*x-1)/(2\*x-1) ogf]  
A005056 6.60594 [{a(n+3)-6\*a(n+2)+11\*a(n+1)-6\*a(n), a(0) = 1, a(1) = 4, a(2) =  
12}, ogf]  
A005056 7.45621 [-(6\*x^4+24\*x^3-46\*x^2+24\*x-4)/(6\*x^5+x^4-22\*x^3+22\*x^2-8\*x+1)  
lgdogf]  
A005057 14.6826 [-(20\*x-7)/(10\*x^2-7\*x+1) lgdogf]  
A005057 16.1021 -1/20\*(-7\*x-3+(3+14\*x+3\*x^2)^(1/2))\*3^(1/2))/x revogf  
A005057 19.3192 [ 3\*x/(5\*x-1)/(2\*x-1) ogf]  
A005057 27.8691 -(-7+20\*x)/(5\*x-1)/(2\*x-1) lgdogf  
A005057 8.95280 [{a(n+2)-7\*a(n+1)+10\*a(n), a(0) = 0, a(1) = 3}, ogf]  
A005058 10.8994 [-(30\*x-8)/(15\*x^2-8\*x+1) lgdogf]  
A005058 14.3413 [ 2\*x/(5\*x-1)/(3\*x-1) ogf]  
A005058 15.7599 -1/15\*(-1-4\*x+(1+8\*x+x^2)^(1/2))/x revogf  
A005058 19.1370 -2\*(-4+15\*x)/(5\*x-1)/(3\*x-1) lgdogf  
A005058 6.64596 [{a(n+2)-8\*a(n+1)+15\*a(n), a(0) = 0, a(1) = 2}, ogf]  
A005059 13.9883 -1/30\*(-1-8\*x+(1+16\*x+4\*x^2)^(1/2))/x revogf  
A005059 14.1741 [-(30\*x-8)/(15\*x^2-8\*x+1) lgdogf]  
A005059 18.4846 -2\*(-4+15\*x)/(5\*x-1)/(3\*x-1) lgdogf  
A005059 20.8443 [ x/(5\*x-1)/(3\*x-1) ogf]  
A005059 8.64274 [{a(n+2)-8\*a(n+1)+15\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A005060 10.8385 [-(40\*x-9)/(20\*x^2-9\*x+1) lgdogf]  
A005060 15.2226 -1/40\*(-9\*x-1+(x^2+18\*x+1)^(1/2))/x revogf  
A005060 15.9390 [ x/(5\*x-1)/(4\*x-1) ogf]  
A005060 20.4920 -(-9+40\*x)/(5\*x-1)/(4\*x-1) lgdogf  
A005060 6.60884 [{a(n+2)-9\*a(n+1)+20\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A005061 11.7894 [-(24\*x-7)/(12\*x^2-7\*x+1) lgdogf]  
A005061 16.5733 -1/24\*(-1-7\*x+(1+14\*x+x^2)^(1/2))/x revogf  
A005061 17.3374 [ x/(3\*x-1)/(4\*x-1) ogf]  
A005061 22.3102 -(-7+24\*x)/(4\*x-1)/(3\*x-1) lgdogf  
A005061 7.18868 [{a(n+2)-7\*a(n+1)+12\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A005062 10.1970 [-(60\*x-11)/(30\*x^2-11\*x+1) lgdogf]  
A005062 14.4794 -1/60\*(-1-11\*x+(1+22\*x+x^2)^(1/2))/x revogf  
A005062 15.1498 [ x/(6\*x-1)/(5\*x-1) ogf]  
A005062 19.3058 -(-11+60\*x)/(6\*x-1)/(5\*x-1) lgdogf  
A005062 6.38848 [{a(n+2)-11\*a(n+1)+30\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A005102 4.75453 [ (x^14-x^13+x^12+x^11-x^10-x^9+x^8+x^7+x^6-x^3-x^2-x-1)/(x-1)  
ogf]  
A005120 6.35892 [ x\*(x^2+x+1)^2/(x^6+3\*x^5+5\*x^4+5\*x^3+5\*x^2+3\*x+1) ogf]  
A005120 8.25806 -(2\*x+1)\*(x^6+3\*x^5+6\*x^4+7\*x^3+4\*x^2+x+1)/(x^2+x+1)/  
(x^6+3\*x^5+5\*x^4+5\*x^3+5\*x^2+3\*x+1) lgdogf  
A005126 13.0071 [ -(x^2-4\*x+2)/(2\*x-1)/(x-1)^2 ogf]  
A005126 16.5814 -2\*(-2+7\*x+x^3-7\*x^2)/(x-1)/(2\*x-1)/(x^2-4\*x+2) lgdogf  
A005126 7.08421 [{a(n+3)-4\*a(n+2)+5\*a(n+1)-2\*a(n), a(0) = 2, a(1) = 4, a(2) =  
7}, ogf]  
A005126 9.33448 [-(-2\*x^3+14\*x^2-14\*x+4)/(-2\*x^4+11\*x^3-17\*x^2+10\*x-2) lgdogf]  
A005131 8.01922 -x\*(x+1)\*(x^5-5\*x^4+8\*x^3-7\*x^2-x-2)/(x-1)/(x^2+x+1)/(x^2-x+1)/  
(x^3-x^2-x-1) lgdogf  
A005131 8.07771 [ -(x^2-x+1)\*(x^3-x^2-x-1)/(x^2+x+1)^2/(x-1)^2 ogf]  
A005151 3.65631 [  
(9899010\*x^12+9900990\*x^11-10001000\*x^10-31007101\*x^9+98010\*x^8+99990\*x^7-101000

(9899010\*x^12+9900990\*x^11-10001000\*x^10-31007101\*x^9+98010\*x^8+99990\*x^7-101000  
\*x^6-208101\*x^5-2000\*x^4-1091\*x^3-10\*x^2-10\*x-1)/(x-1) ogf]  
A005152 6.21611 [ x\*(x^10-2\*x^9+2\*x^8-x^7+x^4-x^3+x^2+1)/(x-1)^2 ogf]  
A005159 10.0985 [6/(1-12\*x)^(1/2)/(1+(1-12\*x)^(1/2))] lgdogf]  
A005159 17.5464 6/(1-12\*x)^(1/2)/(1+(1-12\*x)^(1/2)) lgdogf  
A005159 5.90668 [((-12\*n-18)\*a(n+1)+(n+3)\*a(n+2), a(0) = 1, a(1) = 3}, ogf]  
A005159 55.8295 -x\*(-1+3\*x) revogf  
A005165 4.90383 [((n+3)\*a(n+1)+(n+2)\*a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) =  
1}, ogf]  
A005172 22.3777 [-x+ln(2\*x+1) revegfg]  
A005172 64.2869 -x+ln(1+2\*x) revegfg  
A005173 10.8776 [ -x\*(6\*x+1)/(x-1)/(3\*x-1)/(2\*x-1) ogf]  
A005173 11.2953 -2\*(6-11\*x+36\*x^3-24\*x^2)/(x-1)/(3\*x-1)/(2\*x-1)/(6\*x+1) lgdogf  
A005173 5.58319 [ {a(n+3)-6\*a(n+2)+11\*a(n+1)-6\*a(n), a(0) = 0, a(1) = 1, a(2) =  
12}, ogf]  
A005173 7.60120 [-(72\*x^3-48\*x^2-22\*x+12)/(36\*x^4-60\*x^3+25\*x^2-1) lgdogf]  
A005174 9.44940 [ 2\*x^2\*(12\*x+5)/(x-1)/(3\*x-1)/(2\*x-1)/(4\*x-1) ogf]  
A005175 7.67542 [ -x^2\*(120\*x^2+86\*x+3)/(x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1)  
ogf]  
A005178 10.0991 [ -x\*(x-1)\*(x+1)/(x^4-x^3-5\*x^2-x+1) ogf]  
A005178 10.4266 -(1+8\*x-x^4+2\*x^5-4\*x^3+4\*x^2)/(x-1)/(x+1)/(x^4-x^3-5\*x^2-x+1)  
lgdogf  
A005183 12.8971 [ -(3\*x^2-3\*x+1)/(x-1)/(2\*x-1)^2 ogf]  
A005183 13.8130 -(-2+6\*x+6\*x^3-9\*x^2)/(x-1)/(2\*x-1)/(1+3\*x^2-3\*x) lgdogf  
A005183 7.02431 [ {a(n+3)-5\*a(n+2)+8\*a(n+1)-4\*a(n), a(0) = 1, a(1) = 2, a(2) =  
5}, ogf]  
A005183 9.59418 [-(6\*x^3-9\*x^2+6\*x-2)/(6\*x^4-15\*x^3+14\*x^2-6\*x+1) lgdogf]  
A005207 8.30886 [ -(x^3-x^2-2\*x+1)/(x^2-3\*x+1)/(x^2+x-1) ogf]  
A005207 8.70074 -(2-8\*x-x^4+x^6-2\*x^5+4\*x^3+7\*x^2)/(x^2-3\*x+1)/(x^2+x-1)/(x^3-  
x^2-2\*x+1) lgdogf  
A005212 13.4120 [2\*x/(-x^2+1) lgdegf]  
A005212 16.6494 [-x/(x-1)/(x+1) egf]  
A005212 19.6847 1/2/x\*(-1+(4\*x^2+1)^(1/2)) revegfg  
A005212 31.9876 -2\*x/(x-1)/(x+1) lgdegf  
A005212 4.55502 [ {(-n^2-5\*n-6)\*a(n+1)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 0},  
ogf]  
A005232 14.2799 -(1+4\*x-5\*x^4+6\*x^5+10\*x^3)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1) lgdogf  
A005232 20.1386 [-x^5+x^3+x^2+2\*x+1 ogf\_with\_Euler\_transform]  
A005232 8.55423 [ -(-6\*x^5+5\*x^4-10\*x^3-4\*x-1)/(-x^6+x^5-x^4+x^2-x+1) lgdogf]  
A005232 9.76188 [ (x^2-x+1)/(x^2+1)/(x+1)^2/(x-1)^4 ogf]  
A005246 10.2597 -(1+2\*x+5\*x^4+2\*x^6+6\*x^5-4\*x^3-2\*x^2)/(2\*x+1)/(x^2+x-1)/  
(x^4-4\*x^2+1) lgdogf  
A005246 11.2677 [ -(2\*x+1)\*(x^2+x-1)/(x^4-4\*x^2+1) ogf]  
A005247 11.3045 [ -(x^3+3\*x^2-x-2)/(x^2+x-1)/(x^2-x-1) ogf]  
A005247 12.0040 -(1+6\*x+x^6+6\*x^5-8\*x^3)/(x^2+x-1)/(x^2-x-1)/(x^3+3\*x^2-x-2)  
lgdogf  
A005248 12.0873 [ -(-3\*x^2+4\*x-3)/(-3\*x^3+11\*x^2-9\*x+2) lgdogf]  
A005248 17.4595 [ -(3\*x-2)/(x^2-3\*x+1) ogf]  
A005248 22.7080 -(3-4\*x+3\*x^2)/(3\*x-2)/(x^2-3\*x+1) lgdogf  
A005248 9.58143 [ {a(n+2)-3\*a(n+1)+a(n), a(0) = 2, a(1) = 3}, ogf]  
A005251 12.6699 [ x\*(x-1)/(x^3-x^2+2\*x-1) ogf]  
A005251 16.5431 -(-1+2\*x+2\*x^3-4\*x^2)/(x-1)/(x^3-x^2+2\*x-1) lgdogf  
A005251 6.50616 [ {a(n+3)-2\*a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 1},  
ogf]  
A005251 9.02730 [ -(-2\*x^3+4\*x^2-2\*x+1)/(-x^4+2\*x^3-3\*x^2+3\*x-1) lgdogf]  
A005252 13.9630 [ (x-1)/(x^2-x+1)/(x^2+x-1) ogf]  
A005252 14.2232 -(-1+2\*x+3\*x^4-4\*x^3-x^2)/(x-1)/(x^2-x+1)/(x^2+x-1) lgdogf  
A005252 7.70874 [ -(-3\*x^4+4\*x^3+x^2-2\*x+1)/(-x^5+x^4+x^3-3\*x^2+3\*x-1) lgdogf]  
A005253 13.1738 [ -(x^4-x+1)/(x^5-x^2+2\*x-1) ogf]  
A005253 8.37957 -(1-2\*x-x^4-2\*x^5+x^8+4\*x^3+x^2)/(x^4-x+1)/(x^5-x^2+2\*x-1)  
lgdogf

A005258 3.93393 [  $\{( -n^2 - 4n - 4) * a(n+1) + (-11n^2 - 55n - 69) * a(n+2) + (n^2 + 6n + 9) * a(n+3), a(0) = 1, a(1) = 3, a(2) = 19\}$ , ogf]  
A005259 3.20845 [  $\{( -n^3 - 6n^2 - 12n - 8) * a(n+1) + (34n^3 + 255n^2 + 639n + 535) * a(n+2) + (-n^3 - 9n^2 - 27n - 27) * a(n+3), a(0) = 1, a(1) = 5, a(2) = 73\}$ , ogf]  
A005262 10.4447 [  $-(4x^3 + x^2 + 1) / (2x - 1) / (x + 1) / (x - 1)^2$  ogf]  
A005262 10.8493 [  $-(-3 - 3x + 12x^4 + 8x^5 + 13x^3 - 3x^2) / (x - 1) / (2x - 1) / (x + 1) / (4x^3 + x^2 + 1)$  lgdogf]  
A005262 3.83147 [  $\{(6n + 16) * a(n+1) + (-3n - 2) * a(n+2) + (-6n - 13) * a(n+3) + (3n + 5) * a(n+4), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 25\}$ , ogf]  
A005262 7.19305 [  $- (8x^5 + 12x^4 + 13x^3 - 3x^2 - 3x - 3) / (8x^6 - 2x^5 - 9x^4 + 4x^3 - 2x^2 + 1)$  lgdogf]  
A005264 24.3902  $-\exp(-x) * (\exp(x) - 1 - 2x)$  revegf  
A005264 6.22074 [  $(-1 / (2x + 1) * \exp(x) + 1) * (2 * \exp(-x) * x + \exp(-x))$  revegf]  
A005286 10.4807 [  $(x^3 - 3x^2 + 2x + 1) / (x - 1)^4$  ogf]  
A005286 10.6186 [  $(-x^3 + 3x^2 - 6) / (-x^4 + 4x^3 - 5x^2 + x + 1)$  lgdogf]  
A005286 20.8365 [  $-(6x^3 - 3x^2) / (x - 1) / (x^3 - 3x^2 + 2x + 1)$  lgdogf]  
A005286 4.43413 [  $\{( -n^2 - 21n - 38) * a(n+1) + (-8n^2 - 60n - 124) * a(n+2) + (9n^2 + 51n + 72) * a(n+3), a(0) = 1, a(1) = 6, a(2) = 15\}$ , ogf]  
A005287 16.6392 [  $-(x - 2) * (x^3 - 6x + 10) / (x - 1) / (x^4 - 3x^3 + x^2 + 5x - 5)$  lgdogf]  
A005287 8.04846 [  $-(-x^4 + 2x^3 + 6x^2 - 22x + 20) / (-x^5 + 4x^4 - 4x^3 - 4x^2 + 10x - 5)$  lgdogf]  
A005287 8.38735 [  $(x^4 - 3x^3 + x^2 + 5x - 5) / (x - 1)^5$  ogf]  
A005288 5.44539 [  $(x^6 - 3x^5 - x^4 + 13x^3 - 16x^2 + 4x + 3) / (x - 1)^6$  ogf]  
A005288 8.23229 [  $-(22 - 12x - 17x^4 + 3x^5 + 35x^3 - 25x^2) / (x - 1) / (x^6 - 3x^5 - x^4 + 13x^3 - 16x^2 + 4x + 3)$  lgdogf]  
A005289 5.14691 [  $x^2 * (3x^3 + x^2 + x + 1) / (x^2 + x + 1) / (x + 1)^2 / (x - 1)^6$  ogf]  
A005289 6.10472 [  $-(3x^2 + 2x + 1) * (7x^4 + 8x^3 + 9x^2 + 8x + 4) / (x - 1) / (x + 1) / (x^2 + x + 1) / (3x^3 + x^2 + x + 1)$  lgdogf]  
A005303 8.97684 [  $- (x^5 - x^3 - 4x^2 - 2x) / (-x^2 + 1)$  ogf\_with\_Euler\_transform]  
A005308 18.2483 [  $-x^3 / (-x^3 + x^2 + x - 1)$  ogf\_with\_Euler\_transform]  
A005309 12.7479 [  $-(-x^3 - 4x^2 - 2x) / (x^4 - 2x^2 + 1)$  ogf\_with\_Euler\_transform]  
A005313 5.57093 [  $(x^3 - 3x^2 - x + 1) / (x + 1) / (x^2 - 3x + 1) / (x - 1)^2$  ogf]  
A005313 6.22726 [  $-(3 - 9x + 9x^4 + 2x^6 - 11x^5 + 14x^3) / (x - 1) / (x + 1) / (x^2 - 3x + 1) / (x^3 - 3x^2 - x + 1)$  lgdogf]  
A005314 12.6179 [  $-(-3x^2 + 2x - 2) / (-x^3 + x^2 - 2x + 1)$  lgdogf]  
A005314 17.9454 [  $-x / (x^3 - x^2 + 2x - 1)$  ogf]  
A005314 25.6978 [  $-(2 - 2x + 3x^2) / (-x^2 - 1 + 2x + x^3)$  lgdogf]  
A005314 7.27518 [  $\{-a(n+3) + 2a(n+2) - a(n+1) + a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A005317 4.24015 [  $\{( -8n^2 - 28n - 24) * a(n+1) + (6n^2 + 22n + 18) * a(n+2) + (-n^2 - 4n - 3) * a(n+3), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A005319 13.4589 [  $-(2x - 6) / (x^2 - 6x + 1)$  lgdogf]  
A005319 16.3270 [  $-(-2 - 3x + 2 * (2x + 1)^{1/2} * (1 + x)^{1/2}) / x$  revogf]  
A005319 17.4602 [  $4x / (x^2 - 6x + 1)$  ogf]  
A005319 30.3216 [  $-2 * (-3 + x) / (x^2 + 1 - 6x)$  lgdogf]  
A005319 7.97564 [  $\{a(n+2) - 6a(n+1) + a(n), a(0) = 0, a(1) = 4\}$ , ogf]  
A005320 11.9644 [  $-1/2 * (-3 - 4x + (2x + 1)^{1/2} * (3 + 2x)^{1/2}) * 3^{1/2} / x$  revogf]  
A005320 12.9108 [  $-(2x - 4) / (x^2 - 4x + 1)$  lgdogf]  
A005320 16.7492 [  $3x / (x^2 - 4x + 1)$  ogf]  
A005320 29.0565 [  $-2 * (-2 + x) / (x^2 + 1 - 4x)$  lgdogf]  
A005320 7.65086 [  $\{a(n+2) - 4a(n+1) + a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A005322 11.6835 [  $-3 / x + 3I/x / (x + 1)^{1/2} / (3x - 1)^{1/2}$  lgdogf]  
A005322 14.2951 [  $-18 - 27x + (6 - 12x - 18x^2) * f(x) + (-2x^2 - 3x^3 + x) * f(x)^2$  lgdogf]  
A005322 4.28396 [  $\{( -3n^2 - 27n - 60) * a(n+1) + (-2n^2 - 21n - 55) * a(n+2) + (n^2 + 12n + 27) * a(n+3), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A005323 11.9259 [  $-32 - 48x + (8 - 16x - 24x^2) * f(x) + (-2x^2 - 3x^3 + x) * f(x)^2$  lgdogf]  
A005323 3.56411 [  $\{( -3n^2 - 33n - 90) * a(n+1) + (-2n^2 - 25n - 78) * a(n+2) + (n^2 + 14n + 33) * a(n+3), a(0) = 1, a(1) = 4, a(2) = 14\}$ , ogf]  
A005323 9.77430 [  $-4/x + 4I/x / (x + 1)^{1/2} / (3x - 1)^{1/2}$  lgdogf]  
A005324 10.2186 [  $-5/x + 5I/x / (3x - 1)^{1/2} / (x + 1)^{1/2}$  lgdogf]  
A005324 12.2480 [  $-50 - 75x + (10 - 20x - 30x^2) * f(x) + (-2x^2 - 3x^3 + x) * f(x)^2$  lgdogf]

A005324 3.68539 [  $\{(-3n^2-39n-126)a(n+1)+(-2n^2-29n-105)a(n+2)+(n^2+16n+39)a(n+3), a(0) = 1, a(1) = 5, a(2) = 20\}$ , ogf]  
A005325 11.5854 [  $-6/x+6^*I/x/(3^*x-1)^{1/2}/(x+1)^{1/2}$  lgdogf]  
A005325 13.4188  $-6^*(-1+2^*x+3^*x^2+(-(x+1)*(3^*x-1))^{1/2})/x/(x+1)/(3^*x-1)$  lgdogf  
A005325 4.17833 [  $\{(-3n^2-45n-168)a(n+1)+(-2n^2-33n-136)a(n+2)+(n^2+18n+45)a(n+3), a(0) = 1, a(1) = 6, a(2) = 27\}$ , ogf]  
A005337 15.8880  $-4*(10-12^*x+3^*x^2)/(x-1)/(6^*x^2-20^*x+15)$  lgdogf  
A005337 9.15445 [  $(6^*x^2-20^*x+15)/(x-1)^4$  ogf]  
A005337 9.28523 [  $-(12^*x^2-48^*x+40)/(6^*x^3-26^*x^2+35^*x-15)$  lgdogf]  
A005338 10.7233  $(-8-14^*x+55^*x^4+7^*x^6-42^*x^5-3^*x^2)/(x-1)/(7^*x^6-11^*x^5+x^2+3^*x+1)$  lgdogf  
A005338 7.52275 [  $-(7^*x^6-11^*x^5+x^2+3^*x+1)/(x-1)^5$  ogf]  
A005339 10.9737  $-2*(77-115^*x+3^*x^5-6^*x^3+44^*x^2)/(x-1)/(x^6-4^*x^3+25^*x^2-56^*x+35)$  lgdogf  
A005339 6.79695 [  $(x^6-4^*x^3+25^*x^2-56^*x+35)/(x-1)^6$  ogf]  
A005340 5.20302 [  $(21^*x^7-74^*x^6+66^*x^5-x^3-6^*x^2-6^*x-1)/(x-1)^7$  ogf]  
A005340 7.31589  $-(-13-48^*x+330^*x^4+73^*x^6-312^*x^5-4^*x^3-33^*x^2)/(x-1)/(21^*x^7-74^*x^6+66^*x^5-x^3-6^*x^2-6^*x-1)$  lgdogf  
A005357 18.6789  $(-2+x^3-11^*x^{10}+9^*x^{11}-3^*x^2)/(x-1)/(x^{11}+x^3+1)$  lgdogf  
A005357 5.32752 [  $x^3*(x^{26}-x^{19}-2^*x^{11}-x^8-x^3-1)/(x^{26}-x^8-1)/(x-1)^2$  ogf]  
A005359 14.7519 [  $2^*x/(-x^2+1)$  lgdegf]  
A005359 21.2428 [  $-1/(x-1)/(x+1)$  egf]  
A005359 35.0246  $-2^*x/(x-1)/(x+1)$  lgdegf  
A005359 4.96327 [  $\{(n^2+5n+6)a(n+1)-a(n+3), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf]  
A005367 10.4533  $-(-9+56^*x+80^*x^3-118^*x^2)/(x-1)/(4^*x-1)/(2^*x-1)/(5^*x-2)$  lgdogf  
A005367 10.6781 [  $2^*(5^*x-2)/(x-1)/(2^*x-1)/(4^*x-1)$  ogf]  
A005367 5.10694 [  $\{a(n+3)-7^*a(n+2)+14^*a(n+1)-8^*a(n), a(0) = 4, a(1) = 18, a(2) = 70\}$ , ogf]  
A005367 6.67384 [  $-(80^*x^3-118^*x^2+56^*x-9)/(40^*x^4-86^*x^3+63^*x^2-19^*x+2)$  lgdogf]  
A005369 18.8979 [  $x/(x^2+1)$  ogf\_with\_Euler\_transform]  
A005373 12.3952 [  $-(-x^2+2^*x)/(-x^2-2^*x-2)$  revegf]  
A005373 15.8344  $-x*(-2+x)/(2+2^*x+x^2)$  revegf  
A005377 12.0716 [  $x^4*(x^{26}+x^6+1)/(x-1)^2$  ogf]  
A005377 12.2695  $2*(-1+2^*x^6-3^*x^5)/(x-1)/(x^2+1)/(x^4-x^2+1)$  lgdogf  
A005380 14.8806 [  $-(-x+2)/(-x^2+2^*x-1)$  ogf\_with\_Euler\_transform]  
A005386 11.1394 [  $-(x-1)/(x+1)/(x^2-5^*x+1)$  ogf]  
A005386 13.1369  $-(3+8^*x+2^*x^3-7^*x^2)/(x-1)/(x+1)/(x^2-5^*x+1)$  lgdogf  
A005386 5.22468 [  $\{-a(n+3)+4^*a(n+2)+4^*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 16\}$ , ogf]  
A005386 8.19985 [  $-(-2^*x^3+7^*x^2-8^*x-3)/(-x^4+5^*x^3-5^*x+1)$  lgdogf]  
A005387 10.1638  $n^*a(n)+(n+2-n^2)^*a(n+1)+(-3n-2-n^2)^*a(n+2), a(0)=2, a(1)=1$  lgdegf  
A005389 11.4325  $-2*(3-11^*x+3^*x^4+x^5-2^*x^3+14^*x^2)/(x^2+2^*x-1)/(x^4+10^*x^2-8^*x+1)$  lgdogf  
A005389 12.1880 [  $-(x^2+2^*x-1)/(x^4+10^*x^2-8^*x+1)$  ogf]  
A005389 6.45857 [  $-(2^*x^5+6^*x^4-4^*x^3+28^*x^2-22^*x+6)/(x^6+2^*x^5+9^*x^4+12^*x^3-25^*x^2+10^*x-1)$  lgdogf]  
A005403 6.71096  $-(3+4^*x-13^*x^4-3^*x^6-10^*x^5-10^*x^3+x^{10}+x^2+4^*x^9+4^*x^7+6^*x^8)/(x+1)/(x^2+x-1)/(x^3+x-1)/(x^5+2^*x^4+x^3-2^*x-1)$  lgdogf  
A005403 8.09182 [  $-(x^5+2^*x^4+x^3-2^*x-1)/(x+1)/(x^2+x-1)/(x^3+x-1)$  ogf]  
A005408 10.8318 [  $\{-a(n+2)+2^*a(n+1)-a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A005408 19.7379 [  $(x+1)/(x-1)^2$  ogf]  
A005408 20.1865 [  $-(x+3)/(x^2-1)$  lgdogf]  
A005408 25.6308  $-1/2*(-1-2^*x+(1+8^*x)^{1/2})/(-1+x)$  revogf  
A005408 42.1415 [  $[3-x]$  ogf\_with\_Euler\_transform]  
A005408 48.4137  $-(3+x)/(x-1)/(x+1)$  lgdogf  
A005409 11.2476 [  $(x^3+2^*x^2-2^*x+1)/(x-1)/(x^2+2^*x-1)$  ogf]  
A005409 12.4975  $-(-1-2^*x+x^4+2^*x^3+4^*x^2)/(x-1)/(x^2+2^*x-1)/(x^3+2^*x^2-2^*x+1)$  lgdogf  
A005409 5.83520 [  $\{-a(n+4)+3^*a(n+3)-a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 11\}$ , ogf]  
A005409 7.46233 [  $-(x^4+2^*x^3+4^*x^2-2^*x-1)/(x^6+3^*x^5-3^*x^4-6^*x^3+9^*x^2-5^*x+1)$

lgdogf]  
 A005415 13.7304  $[2*x/(1+(1-4*x)^{1/2})]$  lgdegf]  
 A005418 13.3631  $[-(3*x^2-1)/(2*x-1)/(2*x^2-1)]$  ogf]  
 A005418 15.5748  $-2*(1-x+6*x^4-3*x^2)/(2*x-1)/(3*x^2-1)/(2*x^2-1)$  lgdogf  
 A005418 6.80084  $[{a(n+3)-2*a(n+2)-2*a(n+1)+4*a(n), a(0) = 1, a(1) = 2, a(2) = 3},$  ogf]  
 A005418 8.37026  $[ -(-12*x^4+6*x^2+2*x-2)/(-12*x^5+6*x^4+10*x^3-5*x^2-2*x+1)$  lgdogf]  
 A005425 183.268  $x+2]$  lgdegf  
 A005425 6.32292  $[{(-n-2)*a(n+1)+a(n+3)-2*a(n+2), a(0) = 1, a(1) = 2, a(2) = 5},$  ogf]  
 A005429 10.6159  $[-(24*x^2+108*x+24)/(16*x^3+36*x^2-6*x-1)]$  lgdogf]  
 A005429 18.3426  $-12*(2+9*x+2*x^2)/(4*x-1)/(4*x^2+10*x+1)$  lgdogf  
 A005429 3.64270  $[{(n+3)*a(n+4)+(-12+6*n)*a(n+3)+(-144-36*n)*a(n+2)+(-24-16*n)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 48, a(3) = 540},$  ogf]  
 A005430 21.8365  $[6/(-4*x+1)]$  lgdogf]  
 A005430 5.93613  $[{(n+1)*a(n+2)+(-6-4*n)*a(n+1), a(0) = 0, a(1) = 2},$  ogf]  
 A005430 60.2014  $-6/(4*x-1)$  lgdogf  
 A005431 2.90621  $[{(16*n^3+8*n^2)*a(n)+(8*n^3+34*n^2+48*n+24)*a(n+1)+(-n^2-5*n-6)*a(n+2), a(0) = 1, a(1) = 1},$  ogf]  
 A005442 11.4710  $[ -(-2*x-1)/(-x^2-x+1)]$  lgdegf]  
 A005442 16.6852  $[-1/(x^2+x-1)]$  egf]  
 A005442 29.9351  $-(2*x+1)/(x^2-1+x)$  lgdegf  
 A005442 3.87754  $[{(n^2+5*n+6)*a(n+1)+(n+3)*a(n+2)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 4},$  ogf]  
 A005443 11.1030  $[ -(-2*x-1)/(-x^2-x+1)]$  lgdegf]  
 A005443 14.4039  $[-x/(x^2+x-1)]$  egf]  
 A005443 16.3784  $1/2/x*(-1-x+(2*x+5*x^2+1)^{1/2})$  revegf  
 A005443 29.1172  $-(2*x+1)/(x^2-1+x)$  lgdegf  
 A005443 3.77974  $[{(-n^2-5*n-6)*a(n+1)+(-n-3)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 2},$  ogf]  
 A005448 13.5257  $[-(x^2+x+1)/(x-1)^3]$  ogf]  
 A005448 15.8667  $[ -(-x^2-4*x-4)/(-x^3+1)]$  lgdogf]  
 A005448 16.5204  $-1/3*(-2*(9*x+1)^{1/3}+(9*x+1)^{2/3}+1-3*x)/(1+x)$  revogf  
 A005448 32.8278  $[[-x^2+4]]$  ogf\_with\_Euler\_transform]  
 A005448 33.7291  $-(x+2)^2/(x-1)/(x^2+x+1)$  lgdogf  
 A005448 7.30147  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 10},$  ogf]  
 A005449 14.3383  $[-x*(x+2)/(x-1)^3]$  ogf]  
 A005449 17.0267  $[-(2*x+7)/(x^2+x-2)]$  lgdogf]  
 A005449 40.2803  $-(7+2*x)/(x+2)/(x-1)$  lgdogf  
 A005449 7.36290  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 7},$  ogf]  
 A005460 17.8958  $-(7+8*x)/(2*x+1)/(x-1)$  lgdegf  
 A005460 5.70138  $[ -(2*x+1)/(x-1)^5]$  egf]  
 A005460 8.43329  $[-(8*x+7)/(2*x^2-x-1)]$  lgdegf]  
 A005461 10.1517  $[-(30*x^2+60*x+15)/(6*x^3+2*x^2-7*x-1)]$  lgdegf]  
 A005461 18.0645  $-15*(1+4*x+2*x^2)/(x-1)/(6*x^2+8*x+1)$  lgdegf  
 A005461 5.91449  $[{(-n^2-10*n-24)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 15},$  ogf]  
 A005461 7.01202  $[ -(6*x^2+8*x+1)/(x-1)^7]$  egf]  
 A005462 5.49632  $-(31+292*x+144*x^3+478*x^2)/(x-1)/(24*x^3+58*x^2+22*x+1)$  lgdegf  
 A005475 10.7979  $[-x*(2*x+3)/(x-1)^3]$  ogf]  
 A005475 12.5608  $[-(4*x+11)/(2*x^2+x-3)]$  lgdogf]  
 A005475 26.2821  $-(11+4*x)/(2*x+3)/(x-1)$  lgdogf  
 A005475 5.49534  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 11},$  ogf]  
 A005476 10.6693  $[-x*(3*x+2)/(x-1)^3]$  ogf]  
 A005476 12.6698  $[-(6*x+9)/(3*x^2-x-2)]$  lgdogf]  
 A005476 24.8817  $-3*(2*x+3)/(3*x+2)/(x-1)$  lgdogf  
 A005476 5.47884  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 9},$  ogf]

A005491 10.4849 [ (3\*x^3+x^2+x+1)/(x-1)^4 ogf]  
A005491 10.4934 -(5+5\*x+3\*x^3+11\*x^2)/(x-1)/(3\*x^3+x^2+x+1) lgdogf  
A005491 11.7005 [-(3\*x^3+11\*x^2+5\*x+5)/(3\*x^4-2\*x^3-1) lgdogf]  
A005491 4.24914 [ {(-61\*n^2-503\*n-762)\*a(n+1)+(134\*n^2+748\*n+180)\*a(n+2)+(-73\*n^2-209\*n+30)\*a(n+3), a(0) = 1, a(1) = 5, a(2) = 15}, ogf]  
A005492 11.6196 -(15+14\*x+7\*x^4+30\*x^3+54\*x^2)/(x-1)/(7\*x^4+x^3+17\*x^2-5\*x+4) lgdogf  
A005492 7.08729 [ -(-7\*x^4-30\*x^3-54\*x^2-14\*x-15)/(-7\*x^5+6\*x^4-16\*x^3+22\*x^2-9\*x+4) lgdogf]  
A005492 7.53025 [ -(7\*x^4+x^3+17\*x^2-5\*x+4)/(x-1)^5 ogf]  
A005493 19.7351 -a(n)+(n+1)\*a(n+1), a(0)=3, a(1)=1 lgdegf  
A005493 27.0134 [2+exp(x) lgdegf]  
A005494 19.0008 -a(n)+(n+1)\*a(n+1), a(0)=4, a(1)=1 lgdegf  
A005494 23.5140 [3+exp(x) lgdegf]  
A005517 10.2947 (2+6\*x+15\*x^4+5\*x^6+16\*x^3+15\*x^2)/(x^4-3\*x^2-2\*x-1)/(5\*x^3-1) lgdogf  
A005517 11.4452 [ (x^4-3\*x^2-2\*x-1)/(5\*x^3-1) ogf]  
A005517 6.04053 [ {a(n+5)-5\*a(n+2), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5, a(4) = 9}, ogf]  
A005522 5.99796 -(6-40\*x+35\*x^4+31\*x^6-98\*x^3-14\*x^5-20\*x^7+97\*x^2+4\*x^8)/(x-1)/(x^2-3\*x+1)/(x^2+x-1)/(4\*x^4-10\*x^3-x^2+9\*x-3) lgdogf  
A005522 8.31387 [ -(2\*x^4+3\*x^3-19\*x^2+17\*x-4)/(x-1)/(x^2-3\*x+1)/(x^2+x-1) ogf]  
A005557 10.5084 -2\*(66-165\*x+14\*x^4-77\*x^3+165\*x^2)/(x-1)/(14\*x^4-70\*x^3+135\*x^2-120\*x+42) lgdogf  
A005557 6.23589 [ {(n^2+15\*n+36)\*a(n+1)+(-n^2-10\*n-16)\*a(n+2), a(0) = 42, a(1) = 132}, ogf]  
A005557 7.13476 [ (14\*x^4-70\*x^3+135\*x^2-120\*x+42)/(x-1)^6 ogf]  
A005563 14.6926 [ x\*(x-3)/(x-1)^3 ogf]  
A005563 17.4475 [ -(-2\*x+8)/(-x^2+4\*x-3) lgdogf]  
A005563 41.2842 -2\*(x-4)/(x-1)/(x-3) lgdogf  
A005563 7.54486 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 8}, ogf]  
A005564 12.0467 [ (x^2-4\*x+6)/(x-1)^4 ogf]  
A005564 12.4063 [ -(-2\*x^2+10\*x-20)/(-x^3+5\*x^2-10\*x+6) lgdogf]  
A005564 24.7327 -2\*(10-5\*x+x^2)/(x-1)/(x^2-4\*x+6) lgdogf  
A005564 4.09470 [ {(6\*n+24)\*a(n+4)+(-50-10\*n)\*a(n+3)+(20+5\*n)\*a(n+2)+(-3-n)\*a(n+1), a(0) = 6, a(1) = 20, a(2) = 45, a(3) = 84}, ogf]  
A005565 14.3124 -3\*(-25+24\*x+2\*x^3-11\*x^2)/(x-1)/(3\*x^3-14\*x^2+25\*x-20) lgdogf  
A005565 4.60703 [ {(n^2+10\*n+21)\*a(n+1)+(29+7\*n)\*a(n+2)+(-n^2-9\*n-18)\*a(n+3), a(0) = 20, a(1) = 75, a(2) = 189}, ogf]  
A005565 8.90693 [ (3\*x^3-14\*x^2+25\*x-20)/(x-1)^5 ogf]  
A005565 9.21407 [ -(-6\*x^3+33\*x^2-72\*x+75)/(-3\*x^4+17\*x^3-39\*x^2+45\*x-20) lgdogf]  
A005566 4.41373 [ {(16\*n^2+80\*n+96)\*a(n+1)+(8\*n+28)\*a(n+2)+(-n^2-9\*n-20)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 6}, ogf]  
A005567 6.20207 [ 2\*(4\*x^2-10\*x+5)/(2\*x-1)^3/(x-1)^3 ogf]  
A005567 6.34144 [ -(-32\*x^3+112\*x^2-112\*x+35)/(-8\*x^4+32\*x^3-44\*x^2+25\*x-5) lgdogf]  
A005567 9.85440 -(-35+112\*x+32\*x^3-112\*x^2)/(x-1)/(2\*x-1)/(4\*x^2-10\*x+5) lgdogf  
A005568 6.28179 [ {(16\*n^2+64\*n+60)\*a(n+1)+(-n^2-7\*n-12)\*a(n+2), a(0) = 1, a(1) = 2}, ogf]  
A005570 11.9027 [ (x-17)/(x-1)^3 ogf]  
A005570 12.6028 [ -(-2\*x+50)/(-x^2+18\*x-17) lgdogf]  
A005570 28.5591 -2\*(x-25)/(x-1)/(x-17) lgdogf  
A005570 5.58908 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 17, a(1) = 50, a(2) = 99}, ogf]  
A005571 11.3057 [ 4\*(x^2-4\*x+19)/(x-1)^4 ogf]  
A005571 11.8045 [ -(-2\*x^2+10\*x-72)/(-x^3+5\*x^2-23\*x+19) lgdogf]  
A005571 16.9355 -2\*(36-5\*x+x^2)/(x-1)/(x^2-4\*x+19) lgdogf  
A005571 3.82242 [ {(-19\*n-76)\*a(n+4)+(141+23\*n)\*a(n+3)+(-20-5\*n)\*a(n+2)+(n+3)\*a(n+1), a(0) = 76, a(1) = 288, a(2) = 700, a(3) = 1376}, ogf]  
A005572 15.0688 [-x/(-x^2-4\*x-1) revogf]

A005572 3.91398 [ $\{(-12*n-24)*a(n+1)+(8*n+28)*a(n+2)+(-n-5)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 17\}$ , ogf]  
A005572 45.4145  $x/(1+4*x+x^2)$  revogf  
A005572 9.52240  $-((6*x-1)^{(1/2)}*(2*x-1)^{(1/2)+1}/(6*x-1)^{(1/2)}/(2*x-1)^{(1/2)}/x$  lgdogf  
A005573 11.1828 [ $-(x^2+x)/(-6*x^2-6*x-1)$  revogf]  
A005573 27.1107  $x*(1+x)/(1+6*x+6*x^2)$  revogf  
A005573 3.77599 [ $\{(-12*n-24)*a(n+1)+(8*n+26)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 26\}$ , ogf]  
A005573 5.52743  $-1/2*(6*x-1+12*x*(6*x-1)^{(1/2)}*(2*x-1)^{(1/2)}-(6*x-1)^{(1/2)}*(2*x-1)^{(1/2)})/(6*x-1)^{(3/2)}/(2*x-1)^{(1/2)}/x$  lgdogf  
A005578 11.3493 [ $-(x^2+x-1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A005578 13.0447  $-(1+2*x^4+4*x^3-5*x^2)/(x-1)/(2*x-1)/(x+1)/(x^2+x-1)$  lgdogf  
A005578 6.18133 [ $\{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A005578 8.24177 [ $-(-2*x^4-4*x^3+5*x^2-1)/(-2*x^5-x^4+5*x^3-3*x+1)$  lgdogf]  
A005581 11.5414 [ $-x^2*(x-2)/(x-1)^4$  ogf]  
A005581 16.5908 [ $-(-3*x+7)/(-x^2+3*x-2)$  lgdogf]  
A005581 37.5571  $-(-7+3*x)/(x-1)/(x-2)$  lgdogf  
A005581 5.38079 [ $\{(-2-2*n)*a(n+3)+(7+3*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A005582 10.5465 [ $x*(x-2)/(x-1)^5$  ogf]  
A005582 16.4790 [ $-(-4*x+9)/(-x^2+3*x-2)$  lgdogf]  
A005582 37.1357  $-(-9+4*x)/(x-1)/(x-2)$  lgdogf  
A005582 5.27327 [ $\{(-4-2*n)*a(n+3)+(12+3*n)*a(n+2)+(-4-n)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 9\}$ , ogf]  
A005583 15.7701 [ $-(-5*x+11)/(-x^2+3*x-2)$  lgdogf]  
A005583 34.4679  $-(-11+5*x)/(x-1)/(x-2)$  lgdogf  
A005583 5.05057 [ $\{(2*n+6)*a(n+3)+(-17-3*n)*a(n+2)+(6+n)*a(n+1), a(0) = 2, a(1) = 11, a(2) = 36\}$ , ogf]  
A005583 9.65921 [ $-(x-2)/(x-1)^6$  ogf]  
A005584 12.4942 [ $-(-6*x+13)/(-x^2+3*x-2)$  lgdogf]  
A005584 27.2096  $-(-13+6*x)/(x-1)/(x-2)$  lgdogf  
A005584 4.00141 [ $\{(2*n+6)*a(n+3)+(-19-3*n)*a(n+2)+(7+n)*a(n+1), a(0) = 2, a(1) = 13, a(2) = 49\}$ , ogf]  
A005584 6.87883 [ $(x-2)/(x-1)^7$  ogf]  
A005585 17.9725 [ $-(5*x+7)/(x^2-1)$  lgdogf]  
A005585 33.6767  $-(5*x+7)/(x-1)/(x+1)$  lgdogf  
A005585 37.3710  $[[7-x]$  ogf\_with\_Euler\_transform]  
A005585 5.85771 [ $\{(-n-3)*a(n+3)+7*a(n+2)+(6+n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 27\}$ , ogf]  
A005585 9.88489 [ $(x+1)/(x-1)^6$  ogf]  
A005586 11.0028 [ $x*(2*x^2-6*x+5)/(x-1)^4$  ogf]  
A005586 11.9881 [ $-(-4*x^2+14*x-14)/(-2*x^3+8*x^2-11*x+5)$  lgdogf]  
A005586 21.9940  $-2*(7-7*x+2*x^2)/(x-1)/(2*x^2-6*x+5)$  lgdogf  
A005586 3.99604 [ $\{(15+5*n)*a(n+4)+(-36-11*n)*a(n+3)+(22+8*n)*a(n+2)+(-4-2*n)*a(n+1), a(0) = 0, a(1) = 5, a(2) = 14, a(3) = 28\}$ , ogf]  
A005587 14.4823  $-(-42+72*x+10*x^3-45*x^2)/(x-1)/(5*x^3-20*x^2+28*x-14)$  lgdogf  
A005587 6.50089 [ $\{(n^2+11*n+18)*a(n+1)+(-n^2-7*n-6)*a(n+2), a(0) = 0, a(1) = 14\}$ , ogf]  
A005587 8.43733 [ $x*(5*x^3-20*x^2+28*x-14)/(x-1)^5$  ogf]  
A005587 9.01260 [ $-(-10*x^3+45*x^2-72*x+42)/(-5*x^4+25*x^3-48*x^2+42*x-14)$  lgdogf]  
A005592 11.6531  $-(6-14*x+x^4-4*x^3+10*x^2)/(x-1)/(x^2-3*x+1)/(x^2-2*x+2)$  lgdogf  
A005592 12.8800 [ $-(2*x^2-2*x+1)/(x-1)/(x^2-3*x+1)$  ogf]  
A005592 7.01497 [ $\{a(n+3)-4*a(n+2)+4*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A005592 7.93613 [ $-(2*x^4-4*x^3+3*x^2-4*x+2)/(2*x^5-10*x^4+17*x^3-14*x^2+6*x-1)$  lgdogf]  
A005593 6.56735  $-(5-26*x-25*x^4-4*x^7+12*x^5+4*x^6-10*x^3+42*x^2+x^8)/(x-1)/(x^2-3*x+1)/(x^2+x-1)/(x^4-2*x^3-x^2+5*x-2)$  lgdogf



A005593 7.41683 [  $-(x^4-2x^3-x^2+5x-2)/(x-1)/(x^2-3x+1)/(x^2+x-1)$  ogf]  
A005608 4.05620 [  $\{-a(n+3)+79a(n+2)-438a(n+1)+360a(n), a(0) = 729, a(1) = 47601, a(2) = 3450897\}$ , ogf]  
A005608 7.07095 [  $-27*(360x^2-370x+27)/(x-1)/(360x^2-78x+1)$  ogf]  
A005609 10.8864  $-1/56*(-64-29x+(4096+3264x+729x^2)^{1/2})/(4+x)$  revogf  
A005609 11.1030 [  $-16*(7x-4)/(28x-1)/(x-1)$  ogf]  
A005609 12.6586  $-(109-224x+196x^2)/(x-1)/(28x-1)/(7x-4)$  lgdogf  
A005609 6.30852 [  $\{a(n+2)-29a(n+1)+28a(n), a(0) = 64, a(1) = 1744\}$ , ogf]  
A005609 7.30461 [  $-(-196x^2+224x-109)/(-196x^3+315x^2-123x+4)$  lgdogf]  
A005610 11.5550 [  $-(12x-7)/(6x^2-7x+1)$  lgdogf]  
A005610 14.5845  $-1/12*(-7x-2+(25x^2+28x+4)^{1/2})/x$  revogf  
A005610 17.1574 [  $2/(6x-1)/(x-1)$  ogf]  
A005610 23.0921  $-(-7+12x)/(6x-1)/(x-1)$  lgdogf  
A005610 6.82160 [  $\{-a(n+2)+7a(n+1)-6a(n), a(0) = 2, a(1) = 14\}$ , ogf]  
A005611 4.85583 [  $-2*(302400x^3-72960x^2+1400x-1)$  ogf]  
A005616 13.8935  $-x+\ln(x+2)+\ln(1+x)-\ln(2)$  revegf  
A005618 12.3085 [  $-4*(3x-1)/(6x-1)/(x-1)$  ogf]  
A005618 13.1955  $-1/12*(-4-7x+(16+8x+25x^2)^{1/2})/(x+2)$  revogf  
A005618 14.5845  $-2*(2-6x+9x^2)/(x-1)/(6x-1)/(3x-1)$  lgdogf  
A005618 6.82160 [  $\{a(n+2)-7a(n+1)+6a(n), a(0) = 4, a(1) = 16\}$ , ogf]  
A005618 8.20570 [  $-(-18x^2+12x-4)/(-18x^3+27x^2-10x+1)$  lgdogf]  
A005619 4.95430 [  $\{-a(n+3)+33a(n+2)-112a(n+1)+80a(n), a(0) = 16, a(1) = 240, a(2) = 6448\}$ , ogf]  
A005619 8.63464 [  $-16*(20x^2-18x+1)/(x-1)/(80x^2-32x+1)$  ogf]  
A005665 11.2508 [  $-(-8x^3-6x^2+5)/(-4x^4-2x^3+6x^2+x-1)$  lgdogf]  
A005665 17.4503 [  $x*(2x+1)/(x-1)/(2x^2+2x-1)$  ogf]  
A005665 18.7725  $-(-5+8x^3+6x^2)/(x-1)/(2x+1)/(2x^2+2x-1)$  lgdogf  
A005665 9.19424 [  $\{-a(n+3)+3a(n+2)-2a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$ , ogf]  
A005666 10.3329  $-(-7+4x^3+12x^2)/(x-1)/(x+2)/(2x^2+2x-1)$  lgdogf  
A005666 15.3934 [  $x*(x+2)/(x-1)/(2x^2+2x-1)$  ogf]  
A005666 8.11048 [  $\{a(n+3)-3a(n+2)+2a(n), a(0) = 0, a(1) = 2, a(2) = 7\}$ , ogf]  
A005666 9.79578 [  $-(4x^3+12x^2-7)/(2x^4+4x^3-3x^2-5x+2)$  lgdogf]  
A005667 11.1913 [  $-(3x^2-2x-3)/(3x^3+17x^2-9x+1)$  lgdogf]  
A005667 16.1652 [  $(3x-1)/(x^2+6x-1)$  ogf]  
A005667 19.8581  $1/2*(-3+x)*(-1-6x+(40x^2+1)^{1/2})$  revogf  
A005667 20.4255  $-(-3-2x+3x^2)/(3x-1)/(x^2+6x-1)$  lgdogf  
A005667 8.87115 [  $\{-a(n+2)+6a(n+1)+a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A005668 15.3072  $1/2/x*(-1-6x+(1+12x+40x^2)^{1/2})$  revogf  
A005668 15.7578 [  $-(-2x-6)/(-x^2-6x+1)$  lgdogf]  
A005668 20.4426 [  $-x/(x^2+6x-1)$  ogf]  
A005668 27.5529  $-2*(3+x)/(x^2+6x-1)$  lgdogf  
A005668 9.33798 [  $\{-a(n+2)+6a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A005672 12.2569  $-(-1-6x+8x^3+6x^2)/(2x^2-1)/(x^2+x-1)$  lgdogf  
A005672 9.54713 [  $x^3/(2x^2-1)/(x^2+x-1)$  ogf]  
A005673 10.0873  $-(2+4x+10x^4-15x^2)/(x-1)/(2x^2-1)/(x^2+x-1)$  lgdogf  
A005673 9.88149 [  $-x^4/(x-1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A005674 7.92080 [  $-x^4/(2x-1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A005674 8.62802  $-(-3+2x+20x^4+8x^3-24x^2)/(2x-1)/(2x^2-1)/(x^2+x-1)$  lgdogf  
A005676 10.1354  $-(-1+4x-6x^4+4x^3-6x^2+2x^5)/(x-1)/(x^5-x^4+4x^3-6x^2+4x-1)$  lgdogf  
A005676 8.15639 [  $(x-1)^3/(x^5-x^4+4x^3-6x^2+4x-1)$  ogf]  
A005682 12.2134 [  $-(-6x^5+4x^3-2)/(x^6+x^4-2x+1)$  lgdogf]  
A005682 17.3631  $-2*(-1+2x^3+3x^5)/(x^3+x^2-1)/(x^3-x^2+2x-1)$  lgdogf  
A005682 22.4463 [  $1/(x^3+x^2-1)/(x^3-x^2+2x-1)$  ogf]  
A005683 10.1044 [  $-(x^5+x^4+x^3+x^2-1)/(x^3+x^2-1)/(x^3-x^2+2x-1)$  ogf]  
A005683 7.80493  $-(-2x+x^4+x^6-4x^3-x^2+4x^5+4x^7+x^10+2x^9+2x^8)/(x^3+x^2-1)/(x^3-x^2+2x-1)/(x^5+x^4+x^3+x^2-1)$  lgdogf  
A005684 6.33011  $-2*(-1+5x^4-6x^3+3x^2+4x^7)/(x^2-x+1)/(x^2+x-1)/(x^4+x^2-1)$  lgdogf  
A005684 7.22772 [  $1/(x^2-x+1)/(x^2+x-1)/(x^4+x^2-1)$  ogf]

A005685 5.60046 [  $-(x^7+x^6+x^5+2x^4-x^3+x^2-1)/(x^2-x+1)/(x^2+x-1)/(x^4+x^2-1)$  ogf ]  
A005686 15.7269 [  $-(x+1)*x/(x^5+x^2-1)$  ogf ]  
A005686 19.5596  $-(1+2*x+5*x^4+x^2+4*x^5)/(x+1)/(x^5+x^2-1)$  lgdogf  
A005686 8.68255 [  $-(4*x^5+5*x^4+x^2+2*x+1)/(x^6+x^5+x^3+x^2-x-1)$  lgdogf ]  
A005687 11.6107  $-2*(-1-5*x^4-2*x^3+3*x^2+6*x^5+5*x^9)/(x^5+x^2-1)/(x^5-x^2+2*x-1)$  lgdogf  
A005687 12.4088 [  $1/(x^5+x^2-1)/(x^5-x^2+2*x-1)$  ogf ]  
A005688 5.08306 [  $-(x^9+x^8+x^7+x^6+2*x^5-x^3+x^2-1)/(x^5+x^2-1)/(x^5-x^2+2*x-1)$  ogf ]  
A005689 6.11853 [  $-(x^5+x^4+x^3+x^2+1)/(x^3+x-1)/(x^3-x+1)$  ogf ]  
A005689 6.25634  $-(2+3*x^6+x^2+4*x^7+x^10+2*x^9+3*x^8)/(x^3+x-1)/(x^5+x^4+x^3+x^2+1)/(x^3-x+1)$  lgdogf  
A005690 6.02498  $-2*(-1+7*x^6-2*x^3+3*x^2-6*x^5+6*x^11)/(x^3+x-1)/(x^3-x+1)/(x^6+x^2-1)$  lgdogf  
A005690 6.59627 [  $1/(x^3+x-1)/(x^3-x+1)/(x^6+x^2-1)$  ogf ]  
A005691 6.18986 [  $-(x^11+x^10+x^9+x^8+x^7+2*x^6-x^3+x^2-1)/(x^3+x-1)/(x^3-x+1)/(x^6+x^2-1)$  ogf ]  
A005698 10.3092 [  $-(24*x^3+8*x^2+29*x+7)/(8*x^2-1)/(x^2+1)$  ogf ]  
A005700 4.39696 [  $\{(16*n^2+64*n+60)*a(n+1)+(-n^2-9*n-20)*a(n+2), a(0) = 1, a(1) = 1\}$ , ogf ]  
A005701 12.4162 [  $-(-4*x+14)/(-x^2+4*x-3)$  lgdogf ]  
A005701 25.8438  $-2*(-7+2*x)/(x-1)/(x-3)$  lgdogf  
A005701 3.97642 [  $\{(3*n+9)*a(n+3)+(-22-4*n)*a(n+2)+(5+n)*a(n+1), a(0) = 3, a(1) = 14, a(2) = 40\}$ , ogf ]  
A005701 8.56892 [  $(x-3)/(x-1)^5$  ogf ]  
A005705 28.2877 [  $x^{15}+x^3+2$  ogf\_with\_Euler\_transform ]  
A005705 7.26866  $-2*(1+x+x^2+3*x^3+x^4+x^5+x^6+3*x^7+x^8+x^9+x^{10}+3*x^{11}+x^{12}+x^{13}+x^{14}+11*x^{15})/(x-1)/(x+1)/(1+x^2)/(1+x^4)/(1+x^8)$  lgdogf  
A005705 7.67753 [  $1/(x^4+1)/(x^8+1)/(x+1)^2/(x^2+1)^2/(x-1)^4$  ogf ]  
A005706 28.2709 [  $x^{24}+x^4+2$  ogf\_with\_Euler\_transform ]  
A005708 17.3367 [  $-(6*x^5+1)/(x^6+x-1)$  lgdogf ]  
A005708 27.3185 [  $-1/(x^6+x-1)$  ogf ]  
A005708 42.1692  $-(1+6*x^5)/(-1+x+x^6)$  lgdogf  
A005709 13.5465 [  $-(7*x^6+1)/(x^7+x-1)$  lgdogf ]  
A005709 21.3460 [  $-1/(x^7+x-1)$  ogf ]  
A005709 32.8025  $-(1+7*x^6)/(-1+x+x^7)$  lgdogf  
A005710 16.1788 [  $-(8*x^7+1)/(x^8+x-1)$  lgdogf ]  
A005710 25.4939 [  $-1/(x^8+x-1)$  ogf ]  
A005710 39.2951  $-(1+8*x^7)/(-1+x+x^8)$  lgdogf  
A005711 17.2448 [  $-(x^8+1)/(x^9+x-1)$  ogf ]  
A005711 21.2519  $-(1+8*x^7+2*x^8+x^{16})/(x^9+x-1)/(1+x^8)$  lgdogf  
A005711 9.82555 [  $-(-x^{16}-2*x^8-8*x^7-1)/(-x^{17}-2*x^9+x^8-x+1)$  lgdogf ]  
A005712 12.9111 [  $-(-3*x^2+2*x+6)/(-x^3+2*x^2-1)$  lgdogf ]  
A005712 24.5132  $-(-6-2*x+3*x^2)/(x-1)/(x^2-x-1)$  lgdogf  
A005712 4.25640 [  $\{(-n-4)*a(n+4)+6*a(n+3)+(6+2*n)*a(n+2)+(-n-4)*a(n+1), a(0) = 1, a(1) = 6, a(2) = 19, a(3) = 45\}$ , ogf ]  
A005712 9.80589 [  $(x^2-x-1)/(x-1)^5$  ogf ]  
A005714 14.9532  $-(10+10*x+4*x^3-17*x^2)/(x-1)/(x^3-4*x^2+3*x+1)$  lgdogf  
A005714 3.91686 [  $\{(3*n^2+33*n+90)*a(n+1)+(-7*n^2-61*n-114)*a(n+2)+(4*n^2+22*n+30)*a(n+3), a(0) = 1, a(1) = 10, a(2) = 45\}$ , ogf ]  
A005714 6.82652 [  $-(x^3-4*x^2+3*x+1)/(x-1)^7$  ogf ]  
A005714 8.63596 [  $-(4*x^3-17*x^2+10*x+10)/(x^4-5*x^3+7*x^2-2*x-1)$  lgdogf ]  
A005715 15.7913  $-(30-18*x+5*x^3-9*x^2)/(x-1)/(x-2)/(x^2-2)$  lgdogf  
A005715 3.65859 [  $\{(3*n^2+39*n+126)*a(n+1)+(-7*n^2-72*n-161)*a(n+2)+(4*n^2+26*n+42)*a(n+3), a(0) = 4, a(1) = 30, a(2) = 126\}$ , ogf ]  
A005715 5.93718 [  $(x-2)*(x^2-2)/(x-1)^8$  ogf ]  
A005715 9.14647 [  $-(-5*x^3+9*x^2+18*x-30)/(-x^4+3*x^3-6*x+4)$  lgdogf ]  
A005716 13.1998  $-3*(5+10*x+6*x^3-18*x^2)/(x-1)/(3*x^3-9*x^2+6*x+1)$  lgdogf  
A005716 3.66011 [  $\{(-3*n^2-39*n-126)*a(n+1)+(7*n^2+69*n+140)*a(n$

+2)+(-4\*n^2-22\*n-30)\*a(n+3), a(0) = 1, a(1) = 15, a(2) = 90}, ogf]  
A005716 5.38768 [ -(3\*x^3-9\*x^2+6\*x+1)/(x-1)^9 ogf]  
A005716 7.83093 [ -(18\*x^3-54\*x^2+30\*x+15)/(3\*x^4-12\*x^3+15\*x^2-5\*x-1) lgdogf]  
A005717 4.30789 [ {(-3\*n^2-21\*n-36)\*a(n+1)+(-2\*n^2-15\*n-28)\*a(n+2)+(n^2+8\*n+15)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 6}, ogf]  
A005717 7.01011 [ I/x/(3\*x-1)^(1/2)/(x+1)^(1/2)-(6\*x^2+3\*x-1)/(3\*x-1)/(x+1)/x lgdogf]  
A005718 11.5442 [ -(x^2-3\*x+3)/(x-1)^5 ogf]  
A005718 13.8180 [ -(-3\*x^2+10\*x-12)/(-x^3+4\*x^2-6\*x+3) lgdogf]  
A005718 26.3780 [ -(12-10\*x+3\*x^2)/(x-1)/(x^2-3\*x+3) lgdogf]  
A005718 4.51480 [ {(3\*n+12)\*a(n+4)+(-30-6\*n)\*a(n+3)+(18+4\*n)\*a(n+2)+(-4-n)\*a(n+1), a(0) = 3, a(1) = 12, a(2) = 31, a(3) = 65}, ogf]  
A005719 19.3413 [ -(12-4\*x+3\*x^3-5\*x^2)/(x-1)/(x^3-2\*x^2+2) lgdogf]  
A005719 4.22798 [ {(37\*n^2+417\*n+1076)\*a(n+1)+(-68\*n^2-496\*n-444)\*a(n+2)+(31\*n^2+109\*n+48)\*a(n+3), a(0) = 2, a(1) = 12, a(2) = 40}, ogf]  
A005719 8.77766 [ (x^3-2\*x^2+2)/(x-1)^6 ogf]  
A005719 9.96969 [ -(3\*x^3-5\*x^2-4\*x+12)/(x^4-3\*x^3+2\*x^2+2\*x-2) lgdogf]  
A005720 16.7231 [ -(10+8\*x+8\*x^3-19\*x^2)/(x-1)/(2\*x^3-5\*x^2+3\*x+1) lgdogf]  
A005720 4.23338 [ {(-49\*n^2-659\*n-2070)\*a(n+1)+(95\*n^2+855\*n+1170)\*a(n+2)+(-46\*n^2-214\*n-228)\*a(n+3), a(0) = 1, a(1) = 10, a(2) = 44}, ogf]  
A005720 7.78136 [ -(2\*x^3-5\*x^2+3\*x+1)/(x-1)^7 ogf]  
A005720 9.96394 [ -(-8\*x^3+19\*x^2-8\*x-10)/(-2\*x^4+7\*x^3-8\*x^2+2\*x+1) lgdogf]  
A005727 19.0683 [ -n\*a(n)+(-1-n)\*a(n+1), a(0)=1, a(1)=1 lgdegf]  
A005727 19.7039 [ ln(x+1)+1 lgdegf]  
A005732 11.2129 [ -(-4\*x^3-3\*x^2+6\*x+8)/(-x^4+x^3+x^2-1) lgdogf]  
A005732 22.6414 [ -(8-6\*x+4\*x^3+3\*x^2)/(x-1)/(x^3-x-1) lgdogf]  
A005732 4.70816 [ {(-5\*n^2-75\*n-250)\*a(n+1)+(9\*n^2+71\*n-38)\*a(n+2)+(-4\*n^2-2\*n+30)\*a(n+3), a(0) = 1, a(1) = 8, a(2) = 35}, ogf]  
A005732 8.78533 [ (x^3-x-1)/(x-1)^7 ogf]  
A005744 10.1135 [ -(-3\*x^3+x^2+6\*x+4)/(-x^4+x^3+2\*x^2-x-1) lgdogf]  
A005744 19.4504 [ -(4-6\*x+3\*x^3-x^2)/(x-1)/(x+1)/(x^2-x-1) lgdogf]  
A005744 9.98865 [ -x\*(x^2-x-1)/(x+1)/(x-1)^4 ogf]  
A005745 3.56110 [ -(x^8-x^7-x^6-2\*x^5+2\*x^4+x^3-3\*x^2-2\*x-1)/(x+1)^2/(x^2+x+1)^2/(x-1)^8 ogf]  
A005758 23.0639 [ 12/(-x+1) ogf\_with\_Euler\_transform]  
A005770 7.11883 [ (x^3+2\*x^2-3\*x+1)/(4\*x-1)/(2\*x-1)/(x^2-3\*x+1)^2 ogf]  
A005773 5.43531 [ {-3\*a(n)\*n+(-2\*n-4)\*a(n+1)+(n+2)\*a(n+2), a(0) = 1, a(1) = 1}, ogf]  
A005774 3.89381 [ {(-3\*n^2-15\*n-18)\*a(n+1)+(-2\*n^2-14\*n-24)\*a(n+2)+(n^2+7\*n+10)\*a(n+3), a(0) = 0, a(1) = 1, a(2) = 3}, ogf]  
A005774 7.07243 [ 3/2\*I/x/(x+1)^(1/2)/(3\*x-1)^(1/2)-3/2\*(4\*x-1)/(3\*x-1)/x lgdogf]  
A005775 4.28952 [ {(-3\*n^2-27\*n-60)\*a(n+1)+(-2\*n^2-22\*n-60)\*a(n+2)+(n^2+11\*n+24)\*a(n+3), a(0) = 1, a(1) = 4, a(2) = 14}, ogf]  
A005775 7.84245 [ 5/2\*I/x/(x+1)^(1/2)/(3\*x-1)^(1/2)-1/2\*(18\*x-5)/(3\*x-1)/x lgdogf]  
A005775 8.92630 [ -20+36\*x+81\*x^2+(5-28\*x+54\*x^3+21\*x^2)\*f(x)+(-5\*x^2+x+3\*x^3+9\*x^4)\*f(x)^2 lgdogf]  
A005789 5.48412 [ {(27\*n^2+81\*n+60)\*a(n+1)+(-n^2-7\*n-12)\*a(n+2), a(0) = 1, a(1) = 1}, ogf]  
A005790 4.54194 [ {(-256\*n^3-1920\*n^2-4784\*n-3960)\*a(n+1)+(n^3+15\*n^2+74\*n+120)\*a(n+2), a(0) = 1, a(1) = 14}, ogf]  
A005798 12.2332 [ -(-8\*x+8)/(x^3+x^2+x+1) ogf\_with\_Euler\_transform]  
A005802 4.19699 [ {(9\*n^2+36\*n+36)\*a(n+1)+(-10\*n^2-62\*n-93)\*a(n+2)+(n^2+10\*n+25)\*a(n+3), a(0) = 1, a(1) = 1, a(2) = 2}, ogf]  
A005803 11.3063 [ -(5\*x^2-4\*x+1)/(2\*x-1)/(x-1)^2 ogf]  
A005803 16.2560 [ -2\*x^2\*(5\*x-3)/(x-1)/(2\*x-1)/(5\*x^2-4\*x+1) lgdogf]  
A005803 6.26984 [ {a(n+3)-4\*a(n+2)+5\*a(n+1)-2\*a(n), a(0) = 1, a(1) = 0, a(2) = 0}, ogf]  
A005803 9.07476 [ -(-10\*x^3+6\*x^2)/(-10\*x^4+23\*x^3-19\*x^2+7\*x-1) lgdogf]  
A005807 13.8266 [ -1-1/2\*x-1/2\*x^2+1/2\*(x^2+4)\*(1+x)^2)^(1/2) revogf]  
A005807 3.39478 [ {(-4\*n^2-14\*n-12)\*a(n+1)+(17\*n^2+109\*n+168)\*a(n

+2)+(-4\*n^2-32\*n-60)\*a(n+3), a(0) = 2, a(1) = 3, a(2) = 7}], ogf]  
A005807 7.39576 [-1/2\*x^2-1/2\*x-1+1/2\*(x^4+2\*x^3+5\*x^2+8\*x+4)^(1/2) revogf]  
A005809 5.21767 [{(27\*n^2+81\*n+60)\*a(n+1)+(-4\*n^2-14\*n-12)\*a(n+2), a(0) = 1, a(1) = 3}], ogf]  
A005810 3.97473 [{(256\*n^3+1152\*n^2+1712\*n+840)\*a(n+1)+(-27\*n^3-135\*n^2-222\*n-120)\*a(n+2), a(0) = 1, a(1) = 4}], ogf]  
A005817 4.01026 [{(-16\*n^2-80\*n-96)\*a(n+1)+(-8\*n-36)\*a(n+2)+(n^2+13\*n+42)\*a(n+3), a(0) = 1, a(1) = 1, a(2) = 2}], ogf]  
A005818 15.4473 [-(3\*x-7)/(2\*x^3-3\*x^2-2\*x+3) lgdogf]  
A005818 16.3216 [- (x+1)\*(2\*x-3)/(x-1)^2 ogf]  
A005818 29.2556 -(-7+3\*x)/(x-1)/(2\*x-3)/(x+1) lgdogf  
A005818 8.48085 [-a(n+3)+2\*a(n+2)-a(n+1), a(0) = 3, a(1) = 7, a(2) = 9}], ogf]  
A005822 8.21605 [- (x-1)\*(x+1)\*(x^4+x^3-x^2+x+1)/(x^8-4\*x^6-x^4-4\*x^2+1) ogf]  
A005824 10.9003 -(1+6\*x-6\*x^4+8\*x^5-8\*x^3+5\*x^2)/(x-1)/(2\*x+1)/(2\*x^4-5\*x^2+1) lgdogf  
A005824 11.2495 [-x\*(2\*x+1)\*(x-1)/(2\*x^4-5\*x^2+1) ogf]  
A005825 11.1198 [x\*(4\*x^2-2\*x-1)/(2\*x^2-1)/(2\*x^2-5\*x+1) ogf]  
A005825 9.65664 -(-7+8\*x-64\*x^4+32\*x^5+24\*x^3+10\*x^2)/(2\*x^2-1)/(4\*x^2-2\*x-1)/(2\*x^2-5\*x+1) lgdogf  
A005826 9.08579 [(4\*x^3-6\*x^2-1)/(2\*x^2-1)/(2\*x^2-5\*x+1) ogf]  
A005827 11.7292 [- (2\*x^3-2\*x^2-2\*x+1)/(2\*x^2-1)/(2\*x^2-5\*x+1) ogf]  
A005827 9.50599 -(3-4\*x-4\*x^4+8\*x^6-16\*x^5+36\*x^3-14\*x^2)/(2\*x^2-1)/(2\*x^2-5\*x+1)/(2\*x^3-2\*x^2-2\*x+1) lgdogf  
A005833 6.09629 [-x\*(x^5-x^4+x^3+x-1)/(x-1)/(x^2+x+1)/(x^4-x^3+2\*x-1) ogf]  
A005834 5.98293 [-x\*(2\*x^5-2\*x^4+2\*x^3-x^2+2\*x-2)/(x-1)/(x^2+x+1)/(x^4-x^3+2\*x-1) ogf]  
A005843 21.2210 [2\*x/(x-1)^2 ogf]  
A005843 28.0420 [2/(-x+1) lgdogf]  
A005843 33.6019 2\*x/(1+(2\*x+1)^(1/2))^2 revogf  
A005843 9.69353 [{a(n+2)-2\*a(n+1)+a(n), a(0) = 0, a(1) = 2}], ogf]  
A005843 96.6054 -2/(x-1) lgdogf  
A005868 6.50078 [- (x^2-x+1)\*(x^8+x^7-x^5-x^4-x^3+x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^3 ogf]  
A005869 34.8891 [-3/(-x-1) ogf\_with\_Euler\_transform]  
A005875 14.0411 [- (3\*x^2-3\*x+6)/(-x^3-x^2-x-1) ogf\_with\_Euler\_transform]  
A005876 14.5070 [- (3\*x^2-x+4)/(-x^3-x^2-x-1) ogf\_with\_Euler\_transform]  
A005877 9.92626 [- (-3\*x^2-x-2)/(x^3+x^2+x+1) ogf\_with\_Euler\_transform]  
A005878 35.3282 [-3/(-x-1) ogf\_with\_Euler\_transform]  
A005879 33.5065 [-4/(-x-1) ogf\_with\_Euler\_transform]  
A005880 23.3194 [-4/(-x-1) ogf\_with\_Euler\_transform]  
A005881 14.6914 [- (2\*x^2-x+1)/(-x^3-1) ogf\_with\_Euler\_transform]  
A005882 17.1926 [- (-2\*x-1)/(x^2+x+1) ogf\_with\_Euler\_transform]  
A005883 32.8633 [-2/(-x-1) ogf\_with\_Euler\_transform]  
A005884 14.8173 [- (-3\*x^2-x-2)/(x^3+x^2+x+1) ogf\_with\_Euler\_transform]  
A005886 37.3868 [-3/(-x-1) ogf\_with\_Euler\_transform]  
A005891 12.6333 [- (x^2+8\*x+6)/(x^3+2\*x^2-2\*x-1) lgdogf]  
A005891 13.2546 [- (x^2+3\*x+1)/(x-1)^3 ogf]  
A005891 26.4377 -(6+8\*x+x^2)/(x-1)/(x^2+3\*x+1) lgdogf  
A005891 7.15515 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 16}], ogf]  
A005892 11.3263 [- (4\*x^2+26\*x+12)/(4\*x^3+5\*x^2-8\*x-1) lgdogf]  
A005892 12.2547 [- (4\*x^2+9\*x+1)/(x-1)^3 ogf]  
A005892 20.3495 -2\*(x+6)\*(2\*x+1)/(x-1)/(4\*x^2+9\*x+1) lgdogf  
A005892 6.55732 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1, a(1) = 12, a(2) = 37}], ogf]  
A005893 11.4947 [- (x+1)\*(x^2+1)/(x-1)^3 ogf]  
A005893 15.2525 [- (-4\*x^2-4\*x-4)/(-x^4+1) lgdogf]  
A005893 24.3041 -4\*(1+x+x^2)/(x-1)/(x+1)/(x^2+1) lgdogf  
A005893 31.5480 [[-x^3+4] ogf\_with\_Euler\_transform]  
A005893 5.91889 [{a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 4, a(2) = 9}], ogf]

10,  $a(3) = 20$ }, ogf]  
A005894 11.8455  $[-(-x^3-5x^2-5x-5)/(-x^4+1) \text{ lgdogf}]$   
A005894 18.3178  $-(5+5x+5x^2+x^3)/(x-1)/(x+1)/(x^2+1) \text{ lgdogf}$   
A005894 28.2277  $[[-x^3+5] \text{ ogf\_with\_Euler\_transform}]$   
A005894 9.23027  $[(x+1)*(x^2+1)/(x-1)^4 \text{ ogf}]$   
A005897 10.9020  $[-(x+1)*(x^2+4x+1)/(x-1)^3 \text{ ogf}]$   
A005897 11.5729  $[-(8x^2+20x+8)/(x^4+4x^3-4x-1) \text{ lgdogf}]$   
A005897 18.4299  $-4*(x+2)*(2x+1)/(x-1)/(x+1)/(x^2+4x+1) \text{ lgdogf}$   
A005897 5.61373  $[{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 1, a(1) = 8, a(2) = 26, a(3) = 56}], \text{ ogf}]$   
A005898 16.2865  $-(9+25x+x^3+13x^2)/(x-1)/(x+1)/(x^2+4x+1) \text{ lgdogf}$   
A005898 4.20205  $[{(n^2+2n)*a(n+1)+(-2n^2-10n-39)*a(n+2)+(n^2+8n+15)*a(n+3), a(0) = 1, a(1) = 9, a(2) = 35}], \text{ ogf}]$   
A005898 9.49553  $[(x+1)*(x^2+4x+1)/(x-1)^4 \text{ ogf}]$   
A005898 9.88049  $[-(x^3+13x^2+25x+9)/(x^4+4x^3-4x-1) \text{ lgdogf}]$   
A005899 11.9968  $[-(x+1)^3/(x-1)^3 \text{ ogf}]$   
A005899 25.8682  $[6/(-x^2+1) \text{ lgdogf}]$   
A005899 39.1980  $[[6-3x] \text{ ogf\_with\_Euler\_transform}]$   
A005899 58.0273  $-6/(x-1)/(x+1) \text{ lgdogf}$   
A005899 6.17748  $[{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 1, a(1) = 6, a(2) = 18, a(3) = 38}], \text{ ogf}]$   
A005900 10.2759  $[x*(x+1)^2/(x-1)^4 \text{ ogf}]$   
A005900 17.0487  $[-(2x+6)/(x^2-1) \text{ lgdogf}]$   
A005900 35.4835  $[[6-2x] \text{ ogf\_with\_Euler\_transform}]$   
A005900 36.9500  $-2*(3+x)/(x-1)/(x+1) \text{ lgdogf}$   
A005900 5.64016  $[{(n+2)*a(n+3)-6*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 6}], \text{ ogf}]$   
A005901 10.8716  $[-(x+1)*(x^2+8x+1)/(x-1)^3 \text{ ogf}]$   
A005901 11.1961  $[-(12x^2+36x+12)/(x^4+8x^3-8x-1) \text{ lgdogf}]$   
A005901 18.8535  $-12*(1+3x+x^2)/(x-1)/(x+1)/(x^2+8x+1) \text{ lgdogf}$   
A005901 5.55660  $[{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 1, a(1) = 12, a(2) = 42, a(3) = 92}], \text{ ogf}]$   
A005902 15.5286  $-(13+45x+x^3+21x^2)/(x-1)/(x+1)/(x^2+8x+1) \text{ lgdogf}$   
A005902 4.00629  $[{(-n^2-4n-4)*a(n+1)+(2n^2+10n+25)*a(n+2)+(-n^2-6n-9)*a(n+3), a(0) = 1, a(1) = 13, a(2) = 55}], \text{ ogf}]$   
A005902 9.26130  $[(x+1)*(x^2+8x+1)/(x-1)^4 \text{ ogf}]$   
A005902 9.50827  $[-(x^3+21x^2+45x+13)/(x^4+8x^3-8x-1) \text{ lgdogf}]$   
A005903 11.5591  $[-(x+1)*(x^2+28x+1)/(x-1)^3 \text{ ogf}]$   
A005903 11.7243  $[-(32x^2+116x+32)/(x^4+28x^3-28x-1) \text{ lgdogf}]$   
A005903 19.1868  $-4*(8+29x+8x^2)/(x-1)/(x+1)/(x^2+28x+1) \text{ lgdogf}$   
A005903 5.99050  $[{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 1, a(1) = 32, a(2) = 122, a(3) = 272}], \text{ ogf}]$   
A005904 16.0877  $-(33+145x+x^3+61x^2)/(x-1)/(x+1)/(x^2+28x+1) \text{ lgdogf}$   
A005904 4.09818  $[{(-13n^2-62n-72)*a(n+1)+(26n^2+130n+255)*a(n+2)+(-13n^2-68n-87)*a(n+3), a(0) = 1, a(1) = 33, a(2) = 155}], \text{ ogf}]$   
A005904 9.75262  $[(x+1)*(x^2+28x+1)/(x-1)^4 \text{ ogf}]$   
A005904 9.87765  $[-(x^3+61x^2+145x+33)/(x^4+28x^3-28x-1) \text{ lgdogf}]$   
A005905 11.7074  $[-(x+1)*(x^2+12x+1)/(x-1)^3 \text{ ogf}]$   
A005905 12.0467  $[-(16x^2+52x+16)/(x^4+12x^3-12x-1) \text{ lgdogf}]$   
A005905 19.4329  $-4*(4+13x+4x^2)/(x-1)/(x+1)/(x^2+12x+1) \text{ lgdogf}$   
A005905 6.11195  $[{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 1, a(1) = 16, a(2) = 58, a(3) = 128}], \text{ ogf}]$   
A005906 10.1449  $[(10x^2+12x+1)/(x-1)^4 \text{ ogf}]$   
A005906 10.4390  $[-(20x^2+56x+16)/(10x^3+2x^2-11x-1) \text{ lgdogf}]$   
A005906 18.1014  $-4*(4+14x+5x^2)/(x-1)/(10x^2+12x+1) \text{ lgdogf}$   
A005907 6.57258  $[-(x^6-x^5+x^4+2x^2-x-1)/(x-1)/(x^2+x+1)/(x^4-x^3+2x-1) \text{ ogf}]$   
A005908 7.64220  $[-x*(x^3+x^2+x-1)/(x-1)/(x^4+2x^3+2x^2+x-1) \text{ ogf}]$   
A005908 8.22723  $-(1-x^4+4x^6+2x^7+6x^5-2x^2)/(x-1)/(x^3+x^2+x-1)/(x^4+2x^3+2x^2+x-1) \text{ lgdogf}$   
A005909 6.98949  $-(3-2x-5x^4+5x^6+4x^7+6x^5-5x^2)/(x-1)/(2x^3+x^2+x-2)/(x^4+2x^3+2x^2+x-1) \text{ lgdogf}$

A005909 7.19920 [  $-x*(2*x^3+x^2+x-2)/(x-1)/(x^4+2*x^3+2*x^2+x-1)$  ogf]  
A005910 12.0659  $-2*(19+106*x+3*x^3+64*x^2)/(x-1)/(6*x^3+55*x^2+34*x+1)$  lgdogf  
A005910 7.56161  $[-(6*x^3+128*x^2+212*x+38)/(6*x^4+49*x^3-21*x^2-33*x-1)$  lgdogf]  
A005910 8.42306 [  $(6*x^3+55*x^2+34*x+1)/(x-1)^4$  ogf]  
A005911 11.4303 [  $-(x+1)*(x^2+44*x+1)/(x-1)^3$  ogf]  
A005911 11.5936  $[-(48*x^2+180*x+48)/(x^4+44*x^3-44*x-1)$  lgdogf]  
A005911 18.5302  $-12*(4+15*x+4*x^2)/(x-1)/(x+1)/(x^2+44*x+1)$  lgdogf  
A005911 5.92375  $[{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 48, a(2) = 186, a(3) = 416}]$ , ogf]  
A005912 10.2516 [  $(8*x^3+93*x^2+52*x+1)/(x-1)^4$  ogf]  
A005912 14.4644  $-2*(28+171*x+4*x^3+105*x^2)/(x-1)/(8*x^3+93*x^2+52*x+1)$  lgdogf  
A005912 9.20314  $[-(8*x^3+210*x^2+342*x+56)/(8*x^4+85*x^3-41*x^2-51*x-1)$  lgdogf]  
A005913 5.85538  $-(3-2*x-x^4+7*x^6+2*x^7+2*x^5-4*x^3+2*x^2+x^8)/(x-1)/(x^4+2*x^3+2*x^2+x-1)/(x^4+x^3+2*x^2-x-1)$  lgdogf  
A005913 6.63046 [  $-(x^4+x^3+2*x^2-x-1)/(x-1)/(x^4+2*x^3+2*x^2+x-1)$  ogf]  
A005914 11.5485 [  $-(x+1)*(x^2+10*x+1)/(x-1)^3$  ogf]  
A005914 11.8832  $[-(14*x^2+44*x+14)/(x^4+10*x^3-10*x-1)$  lgdogf]  
A005914 19.1642  $-2*(7+22*x+7*x^2)/(x-1)/(x+1)/(x^2+10*x+1)$  lgdogf  
A005914 6.02899  $[{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 14, a(2) = 50, a(3) = 110}]$ , ogf]  
A005915 10.5233 [  $(7*x^2+10*x+1)/(x-1)^4$  ogf]  
A005915 10.9944  $[-(14*x^2+44*x+14)/(7*x^3+3*x^2-9*x-1)$  lgdogf]  
A005915 19.0048  $-2*(7+22*x+7*x^2)/(x-1)/(7*x^2+10*x+1)$  lgdogf  
A005915 3.62871  $[{(n+4)*a(n+4)+(13+9*n)*a(n+3)+(-50-3*n)*a(n+2)+(-21-7*n)*a(n+1), a(0) = 1, a(1) = 14, a(2) = 57, a(3) = 148}]$ , ogf]  
A005916 4.24361 [  $(x^{14}-x^{13}+x^{11}+x^5-x+1)/(x^2+1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A005917 15.4247  $-(15+55*x+x^3+25*x^2)/(x-1)/(x+1)/(x^2+10*x+1)$  lgdogf  
A005917 3.97731  $[{(-4*n^2-17*n-18)*a(n+1)+(8*n^2+40*n+93)*a(n+2)+(-4*n^2-23*n-33)*a(n+3), a(0) = 1, a(1) = 15, a(2) = 65}]$ , ogf]  
A005917 9.16292 [  $(x+1)*(x^2+10*x+1)/(x-1)^4$  ogf]  
A005917 9.40092  $[-(x^3+25*x^2+55*x+15)/(x^4+10*x^3-10*x-1)$  lgdogf]  
A005918 12.1185 [  $-(x+1)*(x^2+x+1)/(x-1)^3$  ogf]  
A005918 13.0653  $[-(5*x^2+8*x+5)/(x^4+x^3-x-1)$  lgdogf]  
A005918 22.7971  $-(5+8*x+5*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A005918 33.2653  $[-x^2-x+5$  ogf\_with\_Euler\_transform]  
A005918 6.24014  $[{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 5, a(2) = 14, a(3) = 29}]$ , ogf]  
A005919 10.7797 [  $-(x+1)*(x^2+5*x+1)/(x-1)^3$  ogf]  
A005919 11.4430  $[-(9*x^2+24*x+9)/(x^4+5*x^3-5*x-1)$  lgdogf]  
A005919 18.2211  $-3*(3+8*x+3*x^2)/(x-1)/(x+1)/(x^2+5*x+1)$  lgdogf  
A005919 5.55072  $[{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 9, a(2) = 30, a(3) = 65}]$ , ogf]  
A005920 11.2270 [  $(3*x^2+5*x+1)/(x-1)^4$  ogf]  
A005920 11.9179  $[-(6*x^2+21*x+9)/(3*x^3+2*x^2-4*x-1)$  lgdogf]  
A005920 21.1086  $-3*(x+3)*(2*x+1)/(x-1)/(3*x^2+5*x+1)$  lgdogf  
A005920 3.89279  $[{(n+4)*a(n+4)+(3+4*n)*a(n+3)+(-25-2*n)*a(n+2)+(-9-3*n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 33, a(3) = 82}]$ , ogf]  
A005921 10.7222 [  $-(x+1)^2/(x^2+x-1)$  egf]  
A005921 10.9284  $[-(x+3)/(x^3+2*x^2-1)$  lgdegf]  
A005921 25.2954  $-(x+3)/(x+1)/(x^2+x-1)$  lgdegf  
A005922 10.4280  $2*(3+6*x+x^3+3*x^2)/(x+1)/(x^2+x-1)/(x^3+x^2-3*x-1)$  lgdegf  
A005922 6.39282 [  $-(x+1)*(x^3+x^2-3*x-1)/(x^2+x-1)^2$  egf]  
A005928 13.6916  $[-(-2*x^2-3*x-3)/(x^3-1)$  ogf\_with\_Euler\_transform]  
A005929 5.53754  $[-(2*x^{29}+x^{17}+x^{11}+2*x^5)/(-x^{30}-x^{24}-x^{18}-x^{12}-x^6-1)$  ogf\_with\_Euler\_transform]  
A005943 5.39609 [  $-(2*x^9+2*x^7-4*x^6-4*x^4-2*x^3-x^2-1)/(x-1)^2$  ogf]  
A005945 10.5141  $[-(12*x^2+45*x+15)/(6*x^3+5*x^2-10*x-1)$  lgdogf]  
A005945 18.5297  $-3*(5+15*x+4*x^2)/(x-1)/(6*x^2+11*x+1)$  lgdogf  
A005945 9.66165 [  $x*(6*x^2+11*x+1)/(x-1)^4$  ogf]  
A005946 7.88686 [  $-(24*x^3+108*x^2+47*x+1)/(x-1)^5$  ogf]

A005946 7.97449  $[-(48x^3+396x^2+404x+52)/(24x^4+84x^3-61x^2-46x-1)$   
lgdogf]  
A005968 9.52578  $-(-2-4x-2x^4+3x^6+12x^5-44x^3+29x^2)/(x-1)/(x^2+2x-1)/$   
 $(x^2+4x-1)/(x^2-x-1)$  lgdogf  
A005968 9.76546  $[x*(x^2+2x-1)/(x-1)/(x^2+4x-1)/(x^2-x-1)$  ogf]  
A005969 5.99770  $-(2+14x+199x^4-25x^6+17x^5+3x^7+179x^3-89x^2)/(x-1)/(x$   
 $+1)/(x^2+3x+1)/(x^2-7x+1)/(x^2-5x+1)$  lgdogf  
A005969 6.37447  $[(x+1)*(x^2-5x+1)/(x^2+3x+1)/(x^2-7x+1)/(x-1)^2$  ogf]  
A005970 10.3618  $[(4x^2-7x-1)/(x-1)/(x+1)/(x^2-3x+1)$  ogf]  
A005970 8.36539  $-(-10+8x-33x^4+8x^5+38x^3-3x^2)/(x-1)/(x+1)/(x^2-3x+1)/$   
 $(4x^2-7x-1)$  lgdogf  
A005971 5.68163  $-(-28+40x-380x^4+85x^6-4x^5+16x^7+360x^3-113x^2)/(x-1)/$   
 $(x^2+4x-1)/(x^2-x-1)/(8x^3+23x^2-24x-1)$  lgdogf  
A005971 6.99925  $[(8x^3+23x^2-24x-1)/(x-1)/(x^2+4x-1)/(x^2-x-1)$  ogf]  
A005972 5.15952  $[(16x^4-79x^3-164x^2+76x+1)/(x^2+3x+1)/(x^2-7x+1)/(x-1)^2$   
ogf]  
A005985 6.69878  $-2*(-2-5x+14x^4+16x^6-20x^5+16x^3-10x^2)/(x-1)/(2x+1)/$   
 $(2x-1)/(x+1)/(4x^3-4x^2+2x+1)$  lgdogf  
A005985 8.66436  $[-x*(4x^3-4x^2+2x+1)/(x-1)/(2x+1)/(x+1)/(2x-1)^2$  ogf]  
A005986 12.6206  $[-(x^2-2)/(x^3-x^2-x+1)$  ogf\_with\_Euler\_transform]  
A005987 10.7580  $[-(x^4-x^3-1)/(x^6-x^4-x^2+1)$  ogf\_with\_Euler\_transform]  
A005990 12.7777  $[x/(x-1)^4$  egf]  
A005990 22.3610  $[4/(-x+1)$  lgdegf]  
A005990 5.64061  $[{-n^2-6n-8}*a(n+1)+(n+1)*a(n+2), a(0) = 0, a(1) = 1}$ , ogf]  
A005990 77.1400  $-4/(x-1)$  lgdegf  
A005993 10.0364  $[(x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A005993 13.5492  $[-(4x^3+2x^2+8x+2)/(x^4-1)$  lgdogf]  
A005993 18.1768  $-2*(1+4x+x^2+2x^3)/(x-1)/(x+1)/(1+x^2)$  lgdogf  
A005993 27.8804  $[[-x^3+3x+2]$  ogf\_with\_Euler\_transform]  
A005994 12.5642  $[-(-5x^3-3x^2-9x-3)/(-x^4+1)$  lgdogf]  
A005994 18.4750  $-(3+9x+3x^2+5x^3)/(x-1)/(x+1)/(1+x^2)$  lgdogf  
A005994 25.8222  $[[-x^3+3x+3]$  ogf\_with\_Euler\_transform]  
A005994 8.47028  $[-(x^2+1)/(x+1)^2/(x-1)^5$  ogf]  
A005995 11.8044  $[-(21x^3+9x^2+15x+3)/(3x^4-2x^2-1)$  lgdogf]  
A005995 18.4444  $-3*(1+5x+7x^3+3x^2)/(x-1)/(x+1)/(3x^2+1)$  lgdogf  
A005995 9.28437  $[(3x^2+1)/(x+1)^3/(x-1)^6$  ogf]  
A005996 13.9398  $-(3+10x+4x^3+7x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A005996 24.3679  $[-x^2+2x+3$  ogf\_with\_Euler\_transform]  
A005996 7.22184  $[2*(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A005996 8.40899  $[-(-4x^3-7x^2-10x-3)/(-x^4-x^3+x+1)$  lgdogf]  
A005997 15.0152  $-(3x^2+2x+3)*(1+x^2+4x)/(x-1)/(x+1)/(x^3+3x^2+x+1)$  lgdogf  
A005997 8.88220  $[(x^3+3x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A005997 9.07742  $[-(-3x^4-14x^3-14x^2-14x-3)/(-x^5-3x^4+2x^2+x+1)$  lgdogf]  
A005998 12.4311  $-2*(1+5x+4x^4+x^5+8x^3+5x^2)/(x-1)/(x+1)/(x^4+2x^3+2x^2+1)$   
lgdogf  
A005998 8.35896  $[(x^4+2x^3+2x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A005999 10.0674  $[(x^2+x+1)*(x^3+x^2-x+1)/(x+1)^2/(x-1)^4$  ogf]  
A005999 9.21278  $-(1+x^2+4x)*(x^4+2x^3+3x^2+2)/(x-1)/(x+1)/(x^2+x+1)/(x^3+x^2-$   
 $x+1)$  lgdogf  
A005999 9.60982  $[-(-x^6-6x^5-12x^4-14x^3-5x^2-8x-2)/(-x^7-2x^6+x^4+x^3+1)$   
lgdogf]  
A006000 14.5319  $[(2x^2+1)/(x-1)^4$  ogf]  
A006000 14.7590  $[-(-4x^2-4x-4)/(-2x^3+2x^2-x+1)$  lgdogf]  
A006000 33.1817  $-4*(x^2+x+1)/(x-1)/(2x^2+1)$  lgdogf  
A006000 4.97144  $[{(n+4)*a(n+4)+(-7-n)*a(n+3)+2n*a(n+2)+(-6-2n)*a(n+1), a(0) =$   
 $1, a(1) = 4, a(2) = 12, a(3) = 28}$ , ogf]  
A006001 18.5895  $-2*(2x^3+3x^2)/(x-1)/(2x^3+1)$  lgdogf  
A006001 8.95879  $[-(-2x^3-6x^2-4)/(-2x^4+2x^3-x+1)$  lgdogf]  
A006001 9.37228  $[(2x^3+1)/(x-1)^4$  ogf]  
A006002 12.6916  $[x*(x+2)/(x-1)^4$  ogf]  
A006002 17.1865  $[-(3x+9)/(x^2+x-2)$  lgdogf]

A006002 29.9224  $-3*(3+x)/(x+2)/(x-1)$  lgdogf  
A006002 5.49969  $[{(4+2*n)*a(n+3)+(-10-n)*a(n+2)+(-3-n)*a(n+1)}, a(0) = 0, a(1) = 2, a(2) = 9]$ , ogf]  
A006003 11.1971  $[x*(x^2+x+1)/(x-1)^4$  ogf]  
A006003 15.7189  $[-(2*x^2-5*x-5)/(-x^3+1)$  lgdogf]  
A006003 25.0424  $-(5+5*x+2*x^2)/(x-1)/(x^2+x+1)$  lgdogf  
A006003 32.4968  $[[-x^2+5]$  ogf\_with\_Euler\_transform]  
A006003 4.98405  $[{(-3-n)*a(n+4)+5*a(n+3)+5*a(n+2)+(n+2)*a(n+1)}, a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 15]$ , ogf]  
A006004 11.3526  $[ (x^3+x^2+1)/(x-1)^4$  ogf]  
A006004 11.5102  $[-(x^3+5*x^2+2*x+4)/(x^4-x^2+x-1)$  lgdogf]  
A006004 22.6000  $-(4+2*x+x^3+5*x^2)/(x-1)/(x^3+x^2+1)$  lgdogf  
A006004 4.40818  $[{(-49*n^2-293*n-390)*a(n+1)+(68*n^2+204*n-240)*a(n+2)+(-19*n^2-2-n+168)*a(n+3)}, a(0) = 1, a(1) = 4, a(2) = 11]$ , ogf]  
A006007 11.6776  $[ -(-3*x^2-2*x-5)/(-x^3+x^2-x+1)$  lgdogf]  
A006007 25.5886  $[[-x^3+x+5]$  ogf\_with\_Euler\_transform]  
A006007 26.2991  $-(5+2*x+3*x^2)/(x-1)/(1+x^2)$  lgdogf  
A006007 3.81309  $[{(n+3)*a(n+4)+(-7-n)*a(n+3)+(-1+n)*a(n+2)+(-n-3)*a(n+1)}, a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 16]$ , ogf]  
A006007 9.96488  $[ -x*(x^2+1)/(x-1)^5$  ogf]  
A006008 12.8132  $[ -(x^2-x+1)*(x+1)*x/(x-1)^5$  ogf]  
A006008 14.1322  $[-(2*x^3+3*x^2+5)/(x^4-x^3+x-1)$  lgdogf]  
A006008 24.9869  $-(5+2*x^3+3*x^2)/(x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A006008 32.9473  $[-x^5+x^2+5$  ogf\_with\_Euler\_transform]  
A006008 4.80494  $[{(n^2+7*n+10)*a(n+1)+(-2*n^2-8*n+4)*a(n+2)+(n^2+n-2)*a(n+3)}, a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 15, a(4) = 36]$ , ogf]  
A006009 11.1412  $[ -(-5*x^3-9*x^2-12*x-4)/(-x^4-x^3+x+1)$  lgdogf]  
A006009 18.5734  $-(4+12*x+5*x^3+9*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A006009 32.3018  $[-x^2+2*x+4$  ogf\_with\_Euler\_transform]  
A006009 8.74527  $[ -4*(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A006010 7.29351  $[ -(x^4+2*x^3+6*x^2+2*x+1)/(x+1)^2/(x-1)^5$  ogf]  
A006010 7.36105  $[ -(3*x^5+11*x^4+40*x^3+36*x^2+25*x+5)/(x^6+2*x^5+5*x^4-5*x^2-2*x-1)$  lgdogf]  
A006010 9.98018  $-(5+25*x+11*x^4+3*x^5+40*x^3+36*x^2)/(x-1)/(x+1)/(x^4+2*x^3+6*x^2+2*x+1)$  lgdogf  
A006011 17.3612  $[ -(4*x+6)/(x^2-1)$  lgdogf]  
A006011 34.3918  $-2*(3+2*x)/(x-1)/(x+1)$  lgdogf  
A006011 36.1092  $[ [6-x]$  ogf\_with\_Euler\_transform]  
A006011 5.78708  $[{(n+1)*a(n+3)-6*a(n+2)+(-3-n)*a(n+1)}, a(0) = 0, a(1) = 0, a(2) = 3]$ , ogf]  
A006011 9.66954  $[ -3*x^2*(x+1)/(x-1)^5$  ogf]  
A006012 13.8054  $[ -(2*x-1)/(2*x^2-4*x+1)$  ogf]  
A006012 16.0097  $-2*(1-2*x+2*x^2)/(2*x-1)/(2*x^2-4*x+1)$  lgdogf  
A006012 7.57615  $[{a(n+2)-4*a(n+1)+2*a(n)}, a(0) = 1, a(1) = 2]$ , ogf]  
A006012 9.55760  $[ -(-4*x^2+4*x-2)/(-4*x^3+10*x^2-6*x+1)$  lgdogf]  
A006013 23.7401  $[x*(x-1)^2$  revogf]  
A006013 5.23405  $[{(27*n^2+108*n+105)*a(n+1)+(-4*n^2-22*n-30)*a(n+2)}, a(0) = 1, a(1) = 2]$ , ogf]  
A006013 72.4647  $x*(x-1)^2$  revogf  
A006021 7.50728  $[ -x*(4*x^8+2*x^6+3*x^5+4*x^4+x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A006026 10.3287  $[ -1/2*(-3*x-1+(5*x^2+2*x+1)^(1/2))/(x+1)^2$  revogf]  
A006027 7.15135  $[ -1/2+1/2/x+1/2*x+1/2*I*(x^2-x-1)^(1/2)*(3*x^2-3*x+1)^(1/2)/x$  revogf]  
A006040 4.68968  $[{(-n^2-4*n-4)*a(n+1)+(n^2+6*n+10)*a(n+2)-a(n+3)}, a(0) = 1, a(1) = 2, a(2) = 9]$ , ogf]  
A006041 3.61184  $[{(-n^3-3*n^2-2*n)*a(n)+(3*n^3+18*n^2+34*n+19)*a(n+1)+(-2*n^3-16*n^2-43*n-38)*a(n+2)+(4+2*n)*a(n+3)}, a(0) = 0, a(1) = 2, a(2) = 9]$ , ogf]  
A006043 13.7300  $[ -2/(3*x-1)^3$  ogf]  
A006043 21.0853  $[9/(-3*x+1)$  lgdogf]



A006043 5.04606  $[ \{ a(n+3) - 9a(n+2) + 27a(n+1) - 27a(n), a(0) = 2, a(1) = 18, a(2) = 108 \}, \text{ogf}]$   
A006043 57.8024  $-9/(3*x-1) \text{ lgdogf}$   
A006044 13.5444  $[ 6/(4*x-1)^4 \text{ ogf}]$   
A006044 25.6876  $[16/(-4*x+1) \text{ lgdogf}]$   
A006044 66.5979  $-16/(4*x-1) \text{ lgdogf}$   
A006044 7.02775  $[ \{ (-n-2)*a(n+2) + (20+4*n)*a(n+1), a(0) = 6, a(1) = 96 \}, \text{ogf}]$   
A006051 5.01854  $[ \{-a(n+3) + 195a(n+2) - 195a(n+1) + a(n), a(0) = 1, a(1) = 169, a(2) = 32761\}, \text{ogf}]$   
A006051 5.37072  $[ -(-x^4 + 52x^3 - 4878x^2 + 388x - 169)/(-x^5 + 221x^4 - 5266x^3 + 5266x^2 - 221x + 1) \text{ lgdogf}]$   
A006051 9.25701  $- (169 - 388x + x^4 - 52x^3 + 4878x^2)/(x-1)/(x^2 - 194x + 1)/(x^2 - 26x + 1) \text{ lgdogf}$   
A006051 9.27670  $[ -(x^2 - 26x + 1)/(x-1)/(x^2 - 194x + 1) \text{ ogf}]$   
A006053 12.3337  $[ -(-3x^2 + 4x + 1)/(-x^3 + 2x^2 + x - 1) \text{ lgdogf}]$   
A006053 19.2526  $[ x^2/(x^3 - 2x^2 - x + 1) \text{ ogf}]$   
A006053 24.4401  $-(-1 - 4x + 3x^2)/(-2x^2 + 1 - x + x^3) \text{ lgdogf}$   
A006053 7.17597  $[ \{ a(n+3) - a(n+2) - 2a(n+1) + a(n), a(0) = 0, a(1) = 0, a(2) = 1 \}, \text{ogf}]$   
A006054 11.8007  $[ -(-3x^2 + 2x + 2)/(-x^3 + x^2 + 2x - 1) \text{ lgdogf}]$   
A006054 18.4206  $[ x^2/(x^3 - x^2 - 2x + 1) \text{ ogf}]$   
A006054 23.3829  $-(-2 - 2x + 3x^2)/(-x^2 + 1 - 2x + x^3) \text{ lgdogf}$   
A006054 6.86587  $[ \{ a(n+3) - 2a(n+2) - a(n+1) + a(n), a(0) = 0, a(1) = 0, a(2) = 1 \}, \text{ogf}]$   
A006060 3.52368  $[ \{ a(n+3) - 195a(n+2) + 195a(n+1) - a(n), a(0) = 1, a(1) = 253, a(2) = 49141 \}, \text{ogf}]$   
A006060 6.51347  $[ -(x^2 + 58x + 1)/(x-1)/(x^2 - 194x + 1) \text{ ogf}]$   
A006061 3.91155  $[ \{ a(n+3) - 99a(n+2) + 99a(n+1) - a(n), a(0) = 1, a(1) = 121, a(2) = 11881 \}, \text{ogf}]$   
A006061 7.17384  $- (121 - 196x + x^4 + 44x^3 - 2274x^2)/(x-1)/(x^2 + 22x + 1)/(x^2 - 98x + 1) \text{ lgdogf}$   
A006061 7.33416  $[ -(x^2 + 22x + 1)/(x-1)/(x^2 - 98x + 1) \text{ ogf}]$   
A006062 2.59020  $[ \{ a(n+3) - 35a(n+2) + 35a(n+1) - a(n), a(0) = 1, a(1) = 37, a(2) = 1261 \}, \text{ogf}]$   
A006062 4.85149  $[ -(x+1)^2/(x-1)/(x^2 - 34x + 1) \text{ ogf}]$   
A006062 6.42835  $- (37 - 105x + x^3 + 3x^2)/(x-1)/(x+1)/(x^2 - 34x + 1) \text{ lgdogf}$   
A006071 10.2353  $2 * (-2 - 8x - x^4 + x^5 - 5x^3 - 17x^2)/(x-1)/(x+1)/(x^5 - 5x^4 + 6x^3 + 4x^2 + x + 1) \text{ lgdogf}$   
A006071 7.34124  $[ (x^5 - 5x^4 + 6x^3 + 4x^2 + x + 1)/(x+1)/(x-1)^4 \text{ ogf}]$   
A006077 3.93023  $[ \{ (27n^2 + 108n + 108)*a(n+1) + (-9n^2 - 45n - 57)*a(n+2) + (n^2 + 6n + 9)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 9 \}, \text{ogf}]$   
A006083 9.08658  $[ -(x^{10} - x^8 + 3x^6 + x^4 - 2x^3 - x^2 - 2x - 1)/(x+1)/(x^2 - x + 1)/(x^2 + x + 1)^2/(x-1)^2 \text{ ogf}]$   
A006084 4.72527  $[ x*(x^{19} - x^{17} + x^{16} - x^{15} - 5x^{14} + x^{13} - x^{12} - x^{11} + 8x^{10} - x^9 + x^8 + x^7 + x^6 + 5x^5 + x^4 + x^3 + x^2 + 9x + 1)/(x-1)^2/(x^2 + x + 1)^2/(x^6 + x^3 + 1)^2 \text{ ogf}]$   
A006089 3.73750  $[ -16*(36x^2 - 11x - 1)/(25x - 1)/(9x - 1)^2/(x-1)^3 \text{ ogf}]$   
A006090 10.1041  $-6*(1 + 5x + 5x^4 + 10x^3 + 10x^2)/(2x+1)/(x^2+x+1)/(1+3x^2+3x) \text{ lgdogf}$   
A006090 10.5916  $[ 1/(2x+1)/(x^2+x+1)/(3x^2+3x+1) \text{ ogf}]$   
A006095 15.4813  $[ -x^2/(x-1)/(2x-1)/(4x-1) \text{ ogf}]$   
A006095 16.9415  $- (7 - 28x + 24x^2)/(x-1)/(2x-1)/(4x-1) \text{ lgdogf}$   
A006095 5.85778  $[ \{ a(n+3) - 7a(n+2) + 14a(n+1) - 8a(n), a(0) = 0, a(1) = 0, a(2) = 1 \}, \text{ogf}]$   
A006095 9.70469  $[ -(24x^2 - 28x + 7)/(8x^3 - 14x^2 + 7x - 1) \text{ lgdogf}]$   
A006096 10.8466  $- (-15 + 140x + 256x^3 - 360x^2)/(x-1)/(8x-1)/(2x-1)/(4x-1) \text{ lgdogf}$   
A006096 11.8720  $[ 1/(x-1)/(8x-1)/(2x-1)/(4x-1) \text{ ogf}]$   
A006096 6.96833  $[ -(-256x^3 + 360x^2 - 140x + 15)/(-64x^4 + 120x^3 - 70x^2 + 15x - 1) \text{ lgdogf}]$   
A006097 8.18313  $- (31 - 620x + 5120x^4 - 7936x^3 + 3720x^2)/(x-1)/(4x-1)/(2x-1)/(8x-1)/(16x-1) \text{ lgdogf}$

A006097 9.87172 [  $-1/(x-1)/(4*x-1)/(2*x-1)/(8*x-1)/(16*x-1)$  ogf]  
A006100 11.4037 [  $-1/(x-1)/(3*x-1)/(9*x-1)$  ogf]  
A006100 11.4055  $-(13-78*x+81*x^2)/(x-1)/(3*x-1)/(9*x-1)$  lgdogf  
A006100 3.86565 [  $\{a(n+3)-13*a(n+2)+39*a(n+1)-27*a(n), a(0) = 1, a(1) = 13, a(2) = 130\}$ , ogf]  
A006100 6.51639 [  $-(81*x^2-78*x+13)/(27*x^3-39*x^2+13*x-1)$  lgdogf]  
A006101 11.2831 [  $1/(x-1)/(3*x-1)/(27*x-1)/(9*x-1)$  ogf]  
A006101 6.61928  $-4*(-10+195*x+729*x^3-810*x^2)/(x-1)/(3*x-1)/(27*x-1)/(9*x-1)$  lgdogf  
A006101 6.63030 [  $(-2916*x^3+3240*x^2-780*x+40)/(-729*x^4+1080*x^3-390*x^2+40*x-1)$  lgdogf]  
A006102 10.2982 [  $-1/(x-1)/(81*x-1)/(3*x-1)/(9*x-1)/(27*x-1)$  ogf]  
A006102 8.35039  $-(121-7260*x+295245*x^4-352836*x^3+98010*x^2)/(x-1)/(81*x-1)/(3*x-1)/(9*x-1)/(27*x-1)$  lgdogf  
A006105 10.4260 [  $-1/(x-1)/(4*x-1)/(16*x-1)$  ogf]  
A006105 3.53424 [  $\{a(n+3)-21*a(n+2)+84*a(n+1)-64*a(n), a(0) = 1, a(1) = 21, a(2) = 357\}$ , ogf]  
A006105 5.79222 [  $-(192*x^2-168*x+21)/(64*x^3-84*x^2+21*x-1)$  lgdogf]  
A006105 9.90750  $-3*(7-56*x+64*x^2)/(x-1)/(4*x-1)/(16*x-1)$  lgdogf  
A006106 5.27566  $-(-85+2856*x+16384*x^3-16320*x^2)/(x-1)/(4*x-1)/(64*x-1)/(16*x-1)$  lgdogf  
A006106 5.76125 [  $(-16384*x^3+16320*x^2-2856*x+85)/(-4096*x^4+5440*x^3-1428*x^2+85*x-1)$  lgdogf]  
A006106 9.96012 [  $1/(x-1)/(4*x-1)/(64*x-1)/(16*x-1)$  ogf]  
A006107 7.18861 [  $-1/(x-1)/(4*x-1)/(256*x-1)/(64*x-1)/(16*x-1)$  ogf]  
A006110 9.21518 [  $1/(x-1)/(4*x-1)/(2*x-1)/(8*x-1)/(16*x-1)/(32*x-1)$  ogf]  
A006111 14.6383  $-(31-310*x+375*x^2)/(x-1)/(25*x-1)/(5*x-1)$  lgdogf  
A006111 14.9081 [  $-1/(x-1)/(25*x-1)/(5*x-1)$  ogf]  
A006111 5.21782 [  $\{a(n+3)-31*a(n+2)+155*a(n+1)-125*a(n), a(0) = 1, a(1) = 31, a(2) = 806\}$ , ogf]  
A006111 8.46134 [  $-(375*x^2-310*x+31)/(125*x^3-155*x^2+31*x-1)$  lgdogf]  
A006112 5.40260 [  $(-62500*x^3+58500*x^2-8060*x+156)/(-15625*x^4+19500*x^3-4030*x^2+156*x-1)$  lgdogf]  
A006112 9.23671 [  $1/(x-1)/(125*x-1)/(25*x-1)/(5*x-1)$  ogf]  
A006113 7.85719 [  $-1/(x-1)/(125*x-1)/(25*x-1)/(625*x-1)/(5*x-1)$  ogf]  
A006124 10.0183 [  $-(6*x^2-2*x+3)/(x-1)^3$  ogf]  
A006124 17.5460  $-(7+8*x+6*x^2)/(x-1)/(6*x^2-2*x+3)$  lgdogf  
A006124 5.40810 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 7, a(2) = 18\}$ , ogf]  
A006124 9.54867 [  $(-6*x^2-8*x-7)/(-6*x^3+8*x^2-5*x+3)$  lgdogf]  
A006127 13.0071 [  $(x^2+x-1)/(2*x-1)/(x-1)^2$  ogf]  
A006127 17.7119  $-(3-9*x+2*x^3+6*x^2)/(x-1)/(2*x-1)/(x^2+x-1)$  lgdogf  
A006127 7.08421 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 3, a(2) = 6\}$ , ogf]  
A006127 9.91789 [  $-(2*x^3+6*x^2-9*x+3)/(2*x^4-x^3-4*x^2+4*x-1)$  lgdogf]  
A006130 14.1717 [  $(-6*x-1)/(-3*x^2-x+1)$  lgdogf]  
A006130 20.2011  $1/6/x*(-1-x+(1+2*x+13*x^2)^(1/2))$  revogf  
A006130 20.6133 [  $-1/(3*x^2+x-1)$  ogf]  
A006130 33.3318  $-(1+6*x)/(3*x^2-1+x)$  lgdogf  
A006130 8.29561 [  $\{-a(n+2)+a(n+1)+3*a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A006131 14.5215 [  $(-8*x-1)/(-4*x^2-x+1)$  lgdogf]  
A006131 20.7140  $1/8/x*(-1-x+(1+2*x+17*x^2)^(1/2))$  revogf  
A006131 21.1222 [  $-1/(4*x^2+x-1)$  ogf]  
A006131 34.1781  $-(1+8*x)/(4*x^2-1+x)$  lgdogf  
A006131 8.50038 [  $\{-a(n+2)+a(n+1)+4*a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A006134 13.8144 [  $(-6*x-3)/(4*x^2-5*x+1)$  lgdogf]  
A006134 27.0922  $-3*(2*x-1)/(4*x-1)/(x-1)$  lgdogf  
A006134 4.36243 [  $\{(-n-3)*a(n+3)+(13+5*n)*a(n+2)+(-10-4*n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A006137 10.1972 [  $-(5*x^2+3*x+1)/(x-1)^3$  ogf]  
A006137 17.3565  $-(6+16*x+5*x^2)/(x-1)/(1+5*x^2+3*x)$  lgdogf

A006137 5.50467  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 20\},$   
ogf ]  
A006137 9.56966  $[ -(-5*x^2-16*x-6)/(-5*x^3+2*x^2+2*x+1) \text{ lgdogf} ]$   
A006138 13.3431  $[ -(-3*x^2-6*x-2)/(-3*x^3-4*x^2+1) \text{ lgdogf} ]$   
A006138 17.7908  $[ -(x+1)/(3*x^2+x-1) \text{ ogf} ]$   
A006138 20.1724  $1/2/(3*x+1)*(-1-x+(1+6*x+13*x^2)^{(1/2)}) \text{ revogf}$   
A006138 24.5851  $-(2+6*x+3*x^2)/(x+1)/(3*x^2+x-1) \text{ lgdogf}$   
A006138 9.76324  $[ \{-a(n+2)+a(n+1)+3*a(n), a(0) = 1, a(1) = 2\}, \text{ ogf} ]$   
A006139 12.8032  $[ -(-4*x-2)/(-4*x^2-4*x+1) \text{ lgdogf} ]$   
A006139 17.7063  $(-2*x+(8*x^2+1)^{(1/2)})/(1+4*x^2)*x \text{ revogf}$   
A006139 25.0839  $-2*(2*x+1)/(4*x^2-1+4*x) \text{ lgdogf}$   
A006139 4.06991  $[ \{(n+3)*a(n+3)+(-10-4*n)*a(n+2)+(-4*n-8)*a(n+1), a(0) = 1, a(1)$   
 $= 2, a(2) = 8\}, \text{ ogf} ]$   
A006149 3.70511  $[ \{(-64*n^3-480*n^2-1136*n-840)*a(n+1)+(n^3+18*n^2+107*n+210)*a(n$   
 $+2), a(0) = 1, a(1) = 1\}, \text{ ogf} ]$   
A006152 21.7889  $-(2+x)/(x^2-x+1)/(x-1)^2 \text{ lgdegf}$   
A006152 3.70999  $[ \{(n^3+5*n^2+6*n)*a(n)+(-2*n^2-9*n-9)*a(n+1)+(n+2)*a(n+2), a(0)$   
 $= 1, a(1) = 2\}, \text{ ogf} ]$   
A006152 8.69530  $[ -(-x+2)/(-x^4+3*x^3-4*x^2+3*x-1) \text{ lgdegf} ]$   
A006157 10.9025  $[ (x+1)/(x-1)^4 \text{ egf} ]$   
A006157 15.1148  $[ -(3*x+5)/(x^2-1) \text{ lgdegf} ]$   
A006157 3.93522  $[ \{(-n^2-6*n-8)*a(n+1)+(2*n^2+19*n+40)*a(n+2)+(-2*n-6)*a(n+3),$   
 $a(0) = 1, a(1) = 5, a(2) = 28\}, \text{ ogf} ]$   
A006157 32.6535  $-(5+3*x)/(x-1)/(x+1) \text{ lgdegf}$   
A006172 8.76764  $[ -(3*x^4-9*x^3+x^2+10*x-4)/(x-1)/(x^2-3*x+1)/(x^2-x-1) \text{ ogf} ]$   
A006183 44.9359  $(-3+x)/(x-1) \text{ lgdegf}$   
A006183 6.61949  $[ \{-a(n)*n+(n+3)*a(n+1)-a(n+2), a(0) = 1, a(1) = 2\}, \text{ ogf} ]$   
A006185 5.46009  $[ -(x^8-x^7-x^6+4*x^5-2*x^4-2*x^3+x^2+3*x+1)/(x^2+x+1)/(x^2-x$   
 $+1)/(x+1)^2/(x-1)^3 \text{ ogf} ]$   
A006189 11.0108  $[ -(2*x-1)*(x-1)/(x^2-x+1)/(x^2+3*x-1) \text{ ogf} ]$   
A006190 13.4397  $[ -(-2*x-3)/(-x^2-3*x+1) \text{ lgdogf} ]$   
A006190 17.4352  $[ -x/(x^2+3*x-1) \text{ ogf} ]$   
A006190 18.1523  $1/2/x*(-3*x-1+(1+6*x+13*x^2)^{(1/2)}) \text{ revogf}$   
A006190 31.7665  $-(3+2*x)/(x^2-1+3*x) \text{ lgdogf}$   
A006190 7.96425  $[ \{-a(n+2)+3*a(n+1)+a(n), a(0) = 0, a(1) = 1\}, \text{ ogf} ]$   
A006191 10.8425  $[ (2*x-1)/(x^2-x+1)/(x^2+3*x-1) \text{ ogf} ]$   
A006191 6.74892  $[ -(6*x^4+4*x^3-12*x^2+6*x-2)/(2*x^5+3*x^4-8*x^3+11*x^2-6*x+1)$   
 $\text{ lgdogf} ]$   
A006192 8.75186  $-2*(-2+4*x+x^4+x^5-2*x^3-5*x^2)/(x-1)/(x+1)/(x^2-x+1)/$   
 $(x^2-1+3*x) \text{ lgdogf}$   
A006192 8.94743  $[ (x-1)*(x+1)/(x^2-x+1)/(x^2+3*x-1) \text{ ogf} ]$   
A006198 10.4159  $(-4*x^2+8*x-6+(-(2*x-3)^2*(2*x-1)^3)^{(1/2)})/(4*x^2-6*x+3)/$   
 $(2*x-1) \text{ lgdegf}$   
A006198 3.18990  $[ \{(n+3)*a(n+1)+(2*n^2+10*n+9)*a(n+2)+(-2*n^2-18*n-37)*a(n+3)+(n$   
 $+4)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 6, a(3) = 41\}, \text{ ogf} ]$   
A006199 3.16371  $[ \{(-3-n)*a(n+1)+(2*n^2+8*n+3)*a(n+2)+(2*n^2+16*n+27)*a(n+3)+(n$   
 $+3)*a(n+4), a(0) = 0, a(1) = 1, a(2) = -3, a(3) = 21\}, \text{ ogf} ]$   
A006199 6.77035  $[ (-1/2*(4*x^2+7*x+1)/(x+1)/(2*x+1)^{(3/2)+1/2})/x*(2*x+1)^{(1/2)}$   
 $\text{ lgdegf} ]$   
A006199 9.56943  $1/2*(-1-7*x-4*x^2+(2*x+1)^{(3/2)*x+(2*x+1)^{(3/2)})/(x+1)/(2*x+1)/x$   
 $\text{ lgdegf}$   
A006221 12.9475  $-(117+485*x+5*x^3+209*x^2)/(x-1)/(x+1)/(5*x^2+92*x+5) \text{ lgdogf}$   
A006221 3.62735  $[ \{(41*n^2+190*n+216)*a(n+1)+(-82*n^2-410*n-843)*a(n$   
 $+2)+(41*n^2+220*n+291)*a(n+3), a(0) = 5, a(1) = 117, a(2) = 535\}, \text{ ogf} ]$   
A006221 8.75099  $[ -(5*x^3+209*x^2+485*x+117)/(5*x^4+92*x^3-92*x-5) \text{ lgdogf} ]$   
A006221 8.86176  $[ (x+1)*(5*x^2+92*x+5)/(x-1)^4 \text{ ogf} ]$   
A006222 10.3980  $[ -(3*x^2+38*x+25)/(3*x^3+13*x^2-13*x-3) \text{ lgdogf} ]$   
A006222 11.4043  $[ -(3*x^2+16*x+3)/(x-1)^3 \text{ ogf} ]$   
A006222 18.7139  $-(25+38*x+3*x^2)/(x-1)/(3*x^2+16*x+3) \text{ lgdogf}$   
A006222 6.20234  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 25, a(2) =$   
 $69\}, \text{ ogf} ]$

A006223 5.48429  $[-1/(2*x-1)/(2*x^2-4*x+1)/(2*x^4-16*x^3+20*x^2-8*x+1)$  ogf]  
A006228 18.2565  $[1/(-x^2+1)^(1/2)$  lgdegf]  
A006228 25.9928  $1/(-(x-1)*(x+1))^(1/2)$  lgdegf  
A006230 11.9814  $[-(x+1)*(6*x+1)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A006230 6.39387  $-(13-10*x+36*x^4+84*x^3-95*x^2)/(x-1)/(3*x-1)/(2*x-1)/(6*x+1)/(x+1)$  lgdogf  
A006230 6.45954  $[{a(n+3)-6*a(n+2)+11*a(n+1)-6*a(n), a(0) = 1, a(1) = 13, a(2) = 73},$  ogf]  
A006230 7.07473  $[ -(-36*x^4-84*x^3+95*x^2+10*x-13)/(-36*x^5+24*x^4+35*x^3-25*x^2+x+1)$  lgdogf]  
A006234 13.2108  $[ -(-6*x+4)/(-6*x^2+5*x-1)$  lgdogf]  
A006234 14.0915  $[ -(2*x-1)/(3*x-1)^2$  ogf]  
A006234 17.7498  $-1/2*(-1-6*x+(1+4*x)^(1/2))/(2+9*x)$  revogf  
A006234 23.0090  $-2*(-2+3*x)/(3*x-1)/(2*x-1)$  lgdogf  
A006234 7.73316  $[ -a(n+2)+6*a(n+1)-9*a(n), a(0) = 1, a(1) = 4},$  ogf]  
A006235 6.77192  $[ (x^4+2*x^3-10*x^2+2*x+1)/(x-1)^2/(x^2-4*x+1)^2$  ogf]  
A006235 8.47480  $-2*(6-15*x-30*x^4+x^6+3*x^5+52*x^3-9*x^2)/(x-1)/(x^2-4*x+1)/(x^4+2*x^3-10*x^2+2*x+1)$  lgdogf  
A006238 10.7053  $[ -(x-1)*(x+1)/(x^4-15*x^3+32*x^2-15*x+1)$  ogf]  
A006238 6.49966  $[ -(-2*x^5+15*x^4+4*x^3-60*x^2+66*x-15)/(-x^6+15*x^5-31*x^4+31*x^2-15*x+1)$  lgdogf]  
A006238 9.54639  $-(15-66*x-15*x^4+2*x^5-4*x^3+60*x^2)/(x-1)/(x+1)/(x^4-15*x^3+32*x^2-15*x+1)$  lgdogf  
A006239 8.72670  $[ -(7*x^2-1)/(x-1)/(7*x-1)/(7*x^2-5*x+1)$  ogf]  
A006240 4.99912  $[ (3375*x^6-2505*x^4+1200*x^3-167*x^2+1)/(x-1)/(15*x-1)/(3*x-1)/(5*x-1)/(45*x^2-12*x+1)/(5*x^2-4*x+1)$  ogf]  
A006244 11.4424  $[ -(x^2-8*x+1)/(x-1)/(x^2-98*x+1)$  ogf]  
A006244 11.6358  $-(91-196*x+x^4-16*x^3+696*x^2)/(x-1)/(x^2-8*x+1)/(x^2-98*x+1)$  lgdogf  
A006244 6.10909  $[{-a(n+3)+99*a(n+2)-99*a(n+1)+a(n), a(0) = 1, a(1) = 91, a(2) = 8911},$  ogf]  
A006244 6.55339  $[ -(-x^4+16*x^3-696*x^2+196*x-91)/(-x^5+107*x^4-892*x^3+892*x^2-107*x+1)$  lgdogf]  
A006253 10.0911  $[ -(-2*x^3+6*x^2-6*x-2)/(-x^4+4*x^3-4*x+1)$  lgdogf]  
A006253 13.7086  $[ -(x-1)/(x+1)/(x^2-4*x+1)$  ogf]  
A006253 16.2165  $-2*(1+3*x+x^3-3*x^2)/(x-1)/(x+1)/(x^2-4*x+1)$  lgdogf  
A006253 6.48711  $[{-a(n+3)+3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 9},$  ogf]  
A006256 3.58244  $[{(729*n^2+2916*n+2835)*a(n+1)+(-216*n^2-1026*n-1230)*a(n+2)+(16*n^2+88*n+120)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 39},$  ogf]  
A006261 11.8911  $-2*(1-3*x+3*x^4-3*x^3+5*x^2)/(x-1)/(x^2-x+1)/(3*x^2-3*x+1)$  lgdogf  
A006261 6.77047  $[ (x^2-x+1)*(3*x^2-3*x+1)/(x-1)^6$  ogf]  
A006298 11.1430  $[{(-n-3)*a(n+3)+(29+3*n)*a(n+2)+(22+4*n)*a(n+1), a(0) = 21, a(1) = 483, a(2) = 6468},$  ogf]  
A006298 72.7805  $-(23+18*x)/(x+1)/(4*x-1)$  lgdogf  
A006300 9.95038  $40-372*x-3600*x^2+(-2+60*x-2880*x^3-192*x^2)*f(x)+(20*x^2-576*x^4-48*x^3-x)*f(x)^2$  lgdogf  
A006318 12.2860  $-1/2*(-x-1+(1-6*x+x^2)^(1/2))/(1-6*x+x^2)^(1/2)/x$  lgdogf  
A006318 3.57481  $[{(n^2+n)*a(n)+(-5*n^2-11*n-6)*a(n+1)+(-5*n^2-29*n-42)*a(n+2)+(n^2+7*n+12)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 6},$  ogf]  
A006318 43.0010  $-x*(x-1)/(1+x)$  revogf  
A006319 12.2754  $1/2*(x+1)*((1-6*x+x^2)^(1/2)+x-1)/x/(x-1)/(1-6*x+x^2)^(1/2)$  lgdogf  
A006320 8.95350  $-3/2*(-x-1+(1-6*x+x^2)^(1/2))/(1-6*x+x^2)^(1/2)/x$  lgdogf  
A006321 12.4860  $2*(-1+6*x-x^2+((x+1)^2*(1-6*x+x^2))^(1/2))/x/(1-6*x+x^2)$  lgdogf  
A006321 3.35734  $[{(-n^2-4*n)*a(n)+(5*n^2+26*n+45)*a(n+1)+(5*n^2+44*n+108)*a(n+2)+(-n^2-10*n-21)*a(n+3), a(0) = 1, a(1) = 8, a(2) = 48},$  ogf]  
A006322 21.3321  $-(4+x)*(3*x+2)/(x-1)/(x^2+3*x+1)$  lgdogf  
A006322 8.82087  $[ -(x^2+3*x+1)/(x-1)^5$  ogf]

A006323 19.7061  $-(10+22*x+3*x^2)/(x-1)/(x^2+5*x+1)$  lgdogf  
A006323 8.65967  $[-(x^2+5*x+1)/(x-1)^5$  ogf]  
A006324 21.8173  $-(11+26*x+3*x^2)/(x-1)/(x^2+6*x+1)$  lgdogf  
A006324 3.76181  $[{(n+4)*a(n+4)+(4+5*n)*a(n+3)+(-36-5*n)*a(n+2)+(-4-n)*a(n+1),$   
 $a(0) = 1, a(1) = 11, a(2) = 46, a(3) = 130},$  ogf]  
A006324 9.57118  $[-(x^2+6*x+1)/(x-1)^5$  ogf]  
A006325 34.5617  $[[7-2*x]$  ogf\_with\_Euler\_transform]  
A006325 36.1940  $-(7+3*x)/(x+1)/(x-1)$  lgdogf  
A006325 5.53906  $[{(n+1)*a(n+3)-7*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 0, a(2)$   
 $= 1},$  ogf]  
A006325 8.40409  $[-x^2*(x+1)^2/(x-1)^5$  ogf]  
A006327 16.6290  $[x*(x+2)/(x-1)/(x^2+x-1)$  ogf]  
A006327 20.6130  $-(-5+2*x^3+6*x^2)/(x+2)/(x-1)/(x^2+x-1)$  lgdogf  
A006327 8.76151  $[{a(n+3)-2*a(n+2)+a(n), a(0) = 0, a(1) = 2, a(2) = 5},$  ogf]  
A006328 8.29153  $[-(x+1)*(x^2+x-5)/(x-1)/(x^2+x-1)/(x^3-x^2-2*x+1)$  ogf]  
A006331 11.7120  $[2*(x+1)*x/(x-1)^4$  ogf]  
A006331 36.0105  $[[5-x]$  ogf\_with\_Euler\_transform]  
A006331 37.5071  $-(5+3*x)/(x-1)/(x+1)$  lgdogf  
A006331 5.68121  $[{(n+2)*a(n+3)-5*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 2, a(2)$   
 $= 10},$  ogf]  
A006332 14.2425  $-2*(7+28*x+2*x^3+19*x^2)/(x-1)/(x+1)/(x^2+6*x+1)$  lgdogf  
A006332 3.87623  $[{(-2*n^2-15*n-28)*a(n+1)+(4*n^2+24*n+62)*a(n$   
 $+2)+(-2*n^2-9*n-10)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 28},$  ogf]  
A006332 6.25086  $[-2*x*(x+1)*(x^2+6*x+1)/(x-1)^7$  ogf]  
A006333 3.85878  $[2*x*(x+1)*(x^4+19*x^3+56*x^2+19*x+1)/(x-1)^{10}$  ogf]  
A006333 8.19351  $-5*(6+66*x+25*x^4+x^5+121*x^3+165*x^2)/(x-1)/(x+1)/$   
 $(x^4+19*x^3+56*x^2+19*x+1)$  lgdogf  
A006334 5.41046  $[{(-2*n^3-33*n^2-181*n-330)*a(n+1)+(2*n^3+9*n^2+13*n+6)*a(n+2),$   
 $a(0) = 0, a(1) = 2},$  ogf]  
A006334 6.27682  $-(55+1232*x$   
 $+10829*x^4+301*x^6+3164*x^5+14014*x^3+7007*x^2+6*x^7)/(x-1)/(x+1)/$   
 $(x^6+41*x^5+323*x^4+678*x^3+323*x^2+41*x+1)$  lgdogf  
A006335 19.8366  $1/108+2/3*x-1/108*(-(24*x-1)^3)^{(1/2)}$  revogf  
A006335 5.87352  $[{(54*n^2+162*n+120)*a(n+1)+(-2*n^2-11*n-15)*a(n+2), a(0) = 1,$   
 $a(1) = 2},$  ogf]  
A006342 11.9898  $-(1+2*x+12*x^3-11*x^2)/(x-1)/(3*x-1)/(2*x-1)/(x+1)$  lgdogf  
A006342 14.5493  $[-(2*x-1)/(x-1)/(3*x-1)/(x+1)$  ogf]  
A006342 6.88493  $[{-a(n+3)+3*a(n+2)+a(n+1)-3*a(n), a(0) = 1, a(1) = 1, a(2) = 4},$   
ogf]  
A006343 15.1762  $1/2/(1+x+x^3)*(2+x+(-x^2*(-1+4*x))^{(1/2)})*x$  revogf  
A006347 4.27962  $[{(-n-4)*a(n+1)+(-n-4)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) =$   
 $3},$  ogf]  
A006348 5.15050  $[{(-n-5)*a(n+1)+(-n-5)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) =$   
 $4},$  ogf]  
A006351 58.9160  $-x+2*\ln(1+x)$  revegf  
A006353 8.53826  $[-(4*x^4+x^3-x^2-3*x-5)/(x^5+x^4+x^3+x^2+x+1)$   
ogf\_with\_Euler\_transform]  
A006355 14.3777  $[-(x^2-x+1)/(x^2+x-1)$  ogf]  
A006355 25.0343  $2*x*(-2+x)/(x^2-x+1)/(x^2+x-1)$  lgdogf  
A006355 7.54475  $[{-a(n+3)+a(n+2)+a(n+1), a(0) = 1, a(1) = 0, a(2) = 2},$  ogf]  
A006356 11.3745  $[-(x^2-x-1)/(x^3-x^2-2*x+1)$  ogf]  
A006356 17.0060  $-(3+x^4-2*x^3)/(x^2-x-1)/(x^3-x^2-2*x+1)$  lgdogf  
A006356 6.19504  $[{a(n+3)-2*a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 6},$   
ogf]  
A006357 10.3774  $-(4+4*x-2*x^4+x^6+2*x^5-4*x^3+2*x^2)/(x+1)/(x^3-3*x+1)/$   
 $(x^3+x^2-2*x-1)$  lgdogf  
A006357 9.60712  $[-(x^3+x^2-2*x-1)/(x+1)/(x^3-3*x+1)$  ogf]  
A006358 6.59531  $[-(x-1)*(x^3-3*x-1)/(x^5-x^4-4*x^3+3*x^2+3*x-1)$  ogf]  
A006358 7.06649  $-(5+5*x^4-4*x^6+8*x^5-10*x^3-2*x^7+x^8)/(x-1)/(x^3-3*x-1)/(x^5-$   
 $x^4-4*x^3+3*x^2+3*x-1)$  lgdogf  
A006359 6.73307  $[-(x^5+x^4-4*x^3-3*x^2+3*x+1)/(x^6+x^5-5*x^4-4*x^3+6*x^2+3*x-1)$

ogf]

A006367 10.7804 [  $(x-1)^2/(x^2+x-1)^2$  ogf]

A006367 27.1488  $-2*x*(-2+x)/(x-1)/(x^2+x-1)$  lgdogf

A006367 4.15559 [  $\{(n+4)*a(n+4)+(-2*n-6)*a(n+3)-4*a(n+2)+(n+3)*a(n+1), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 2\}$ , ogf]

A006368 10.5659 [  $x*(x^4+3*x^3+x^2+3*x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]

A006368 9.94686  $-(3+4*x+21*x^4+9*x^6+6*x^5+12*x^3+15*x^2+2*x^7)/(x-1)/(x+1)/(1+x^2)/(x^4+3*x^3+x^2+3*x+1)$  lgdogf

A006369 11.5358  $-(3+4*x+8*x^4+2*x^6+9*x^5+19*x^3+15*x^2)/(x-1)/(x^2+x+1)/(x^2+3*x+1)/(1+x^2)$  lgdogf

A006369 11.5526 [  $x*(x^2+1)*(x^2+3*x+1)/(x^2+x+1)^2/(x-1)^2$  ogf]

A006370 14.4062 [  $x*(2*x^2+x+4)/(x-1)^2/(x+1)^2$  ogf]

A006370 18.9931  $-(1+20*x+4*x^3+3*x^2)/(x-1)/(x+1)/(2*x^2+x+4)$  lgdogf

A006380 3.96886 [  $(x^8-x^7+x^6+x^4+x^2-x+1)/(x^2+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^8$  ogf]

A006411 25.8787  $-10*(x+2)/(2*x+3)/(x-1)$  lgdogf

A006411 3.95334 [  $\{(-3*n-9)*a(n+3)+(22+n)*a(n+2)+(12+2*n)*a(n+1), a(0) = 3, a(1) = 20, a(2) = 75\}$ , ogf]

A006411 7.61019 [  $(2*x+3)/(x-1)^6$  ogf]

A006414 23.9987  $-(9+17*x+4*x^2)/(x-1)/(x^2+3*x+1)$  lgdogf

A006414 4.03146 [  $\{(n+4)*a(n+4)+(-3+2*n)*a(n+3)+(-21-2*n)*a(n+2)+(-5-n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 40, a(3) = 125\}$ , ogf]

A006414 9.16241 [  $(x^2+3*x+1)/(x-1)^6$  ogf]

A006416 17.0865  $-2*(x+1)*(x-2)^2/(x-1)/(2*x^3-6*x^2+4*x+1)$  lgdogf

A006416 3.89672 [  $\{(15*n^2+69*n+78)*a(n+1)+(-44*n^2-262*n-396)*a(n+2)+(29*n^2+151*n+192)*a(n+3), a(0) = 1, a(1) = 8, a(2) = 20\}$ , ogf]

A006416 9.51406 [  $(2*x^3-6*x^2+4*x+1)/(x-1)^4$  ogf]

A006419 4.28983 [  $\{(16*n^2+88*n+120)*a(n+1)+(-8*n^2-50*n-70)*a(n+2)+(n^2+7*n+10)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 7\}$ , ogf]

A006431 4.87839 [  $x*(36*x^13+28*x^12+32*x^11+21*x^10+17*x^9+14*x^8+13*x^7+12*x^6+5*x^5+2*x^4-x^3-3*x^2-2*x-1)/(4*x^3-1)$  ogf]

A006438 25.3856  $-5/2*\exp(-x)-3/2*\exp(x)+4$  revegf

A006438 35.2577  $-(x-4)/(x^2+1-8*x)$  lgdegf

A006438 4.48592 [  $\{(-n^2-4*n-4)*a(n+1)+(8*n+20)*a(n+2)-a(n+3), a(0) = 1, a(1) = 4, a(2) = 47\}$ , ogf]

A006442 31.4552  $-(-5+x)/(x^2+1-10*x)$  lgdogf

A006442 4.19010 [  $\{(-n-3)*a(n+3)+(25+10*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 1, a(1) = 5, a(2) = 37\}$ , ogf]

A006446 14.1308  $-2*(2*x^2+1)*(x^3-x^2-2*x-1)/(x-1)/(x^2+x+1)/(x^3-x^2-x-1)$  lgdogf

A006446 9.83407 [  $(x^3-x^2-x-1)/(x^2+x+1)^2/(x-1)^3$  ogf]

A006451 6.76861  $-(-5-20*x-19*x^4+5*x^6-16*x^5+42*x^3+19*x^2+2*x^7)/(x-1)/(-1+x^2+2*x)/(x^2-2*x-1)/(x^3+2*x^2-3*x-2)$  lgdogf

A006451 7.64264 [  $x*(x^3+2*x^2-3*x-2)/(x-1)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]

A006452 10.5176 [  $-(2*x^3+4*x^2-x-1)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]

A006452 8.93382  $-(1+4*x+9*x^4+2*x^6+8*x^5-4*x^3)/(-1+x^2+2*x)/(x^2-2*x-1)/(2*x^3+4*x^2-x-1)$  lgdogf

A006453 17.2067  $-7/2*\exp(-x)-5/2*\exp(x)+6$  revegf

A006453 21.5083  $-(-6+x)/(x^2+1-12*x)$  lgdegf

A006453 3.01865 [  $\{(-n^2-4*n-4)*a(n+1)+(12*n+30)*a(n+2)-a(n+3), a(0) = 1, a(1) = 6, a(2) = 107\}$ , ogf]

A006454 6.58466  $-(5+70*x-41*x^4+3*x^6+14*x^5-276*x^3+33*x^2)/(x-1)/(x^2+6*x+1)/(1-6*x+x^2)/(x^2+4*x+1)$  lgdogf

A006454 9.19364 [  $-3*x*(x^2+4*x+1)/(x-1)/(x^2+6*x+1)/(x^2-6*x+1)$  ogf]

A006457 6.56652  $-(5-x+12*x^4+16*x^6-4*x^5-4*x^3-16*x^2)/(x-1)/(2*x-1)/(2*x^2-1)/(2*x^3+x+1)$  lgdogf

A006457 9.77367 [  $(2*x^3+x+1)/(2*x-1)/(2*x^2-1)/(x-1)^2$  ogf]

A006458 7.53801 [  $(6*x^5+2*x^4+x^2+2*x+1)/(3*x-1)/(2*x^3+2*x^2-1)/(x-1)^2$  ogf]

A006469 3.79739 [  $\{(-10*n-40)*a(n+4)+(82+n)*a(n+3)+(72+12*n)*a(n+2)+(-18-3*n)*a(n+1), a(0) = 10, a(1) = 79, a(2) = 340, a(3) = 1071\}$ , ogf]

A006469 8.09851 [ (3\*x^2-9\*x-10)/(x-1)^7 ogf]  
A006470 13.2582 [ (3\*x+2)/(x-1)^6 ogf]  
A006470 45.4615 -15\*(x+1)/(3\*x+2)/(x-1) lgdogf  
A006470 6.88740 [ {(-2\*n-6)\*a(n+3)+(13-n)\*a(n+2)+(18+3\*n)\*a(n+1), a(0) = 2, a(1) = 15, a(2) = 60}, ogf]  
A006472 7.33043 [ {(n^2+5\*n+6)\*a(n+1)-2\*a(n+2), a(0) = 1, a(1) = 1}, ogf]  
A006478 13.8472 [ -1/(x-1)/(x^2+x-1)^2 ogf]  
A006478 26.7264 -(-3-x+5\*x^2)/(x-1)/(x^2+x-1) lgdogf  
A006478 4.36071 [ {(-n-4)\*a(n+4)+(9+2\*n)\*a(n+3)+a(n+2)+(-6-n)\*a(n+1), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 18}, ogf]  
A006479 4.79691 [ x^3\*(x^2+x+1)/(x-1)/(x^2+x-1)^3 ogf]  
A006479 9.07911 -(-5-6\*x+5\*x^4+4\*x^3+5\*x^2)/(x-1)/(x^2+x+1)/(x^2+x-1) lgdogf  
A006480 11.3328 [ hypergeom([1/3, 2/3],[1],27\*x) ogf]  
A006480 4.60685 [ {(-27\*n^2-81\*n-60)\*a(n+1)+(n^2+4\*n+4)\*a(n+2), a(0) = 1, a(1) = 6}, ogf]  
A006483 13.3288 [ -(6\*x^2-1)/(x-1)/(4\*x^2+2\*x-1) ogf]  
A006483 14.0833 -(3-8\*x+24\*x^4+6\*x^2)/(x-1)/(-1+2\*x+4\*x^2)/(-1+6\*x^2) lgdogf  
A006483 6.78341 [ {a(n+3)-3\*a(n+2)-2\*a(n+1)+4\*a(n), a(0) = 1, a(1) = 3, a(2) = 5}, ogf]  
A006484 22.5549 -(3+2\*x+15\*x^2)/(x-1)/(5\*x^2-2\*x+1) lgdogf  
A006484 4.06339 [ {(n+3)\*a(n+4)+(-3\*n-9)\*a(n+3)+(5+7\*n)\*a(n+2)+(-15-5\*n)\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 10}, ogf]  
A006484 9.64442 [ -x\*(5\*x^2-2\*x+1)/(x-1)^5 ogf]  
A006490 12.2307 [ (2\*x^2-2\*x+1)/(x^2+x-1)^2 ogf]  
A006490 16.8456 -2\*x\*(3+2\*x^2-3\*x)/(2\*x^2-2\*x+1)/(x^2+x-1) lgdogf  
A006490 4.85012 [ {(-n^2-7\*n-12)\*a(n+1)+(-n^2-6\*n-8)\*a(n+2)+(n^2+5\*n+6)\*a(n+3), a(0) = 1, a(1) = 0, a(2) = 3}, ogf]  
A006491 13.0155 -x\*(-8+6\*x^3-16\*x^2+17\*x)/(x-1)/(2\*x^2-2\*x+1)/(x^2+x-1) lgdogf  
A006491 9.43416 [ (x-1)\*(2\*x^2-2\*x+1)/(x^2+x-1)^3 ogf]  
A006492 6.54034 [ (2\*x^2-2\*x+1)\*(x-1)^2/(x^2+x-1)^4 ogf]  
A006492 8.38415 -2\*x\*(-5+4\*x^3-11\*x^2+11\*x)/(x-1)/(2\*x^2-2\*x+1)/(x^2+x-1) lgdogf  
A006493 13.9817 -x\*(-12+10\*x^3-28\*x^2+27\*x)/(x-1)/(2\*x^2-2\*x+1)/(x^2+x-1) lgdogf  
A006493 5.41970 [ (2\*x^2-2\*x+1)\*(x-1)^3/(x^2+x-1)^5 ogf]  
A006495 13.5440 [ -(x-1)/(5\*x^2-2\*x+1) ogf]  
A006495 18.2796 -(1-10\*x+5\*x^2)/(x-1)/(5\*x^2-2\*x+1) lgdogf  
A006495 7.43270 [ {a(n+2)-2\*a(n+1)+5\*a(n), a(0) = 1, a(1) = 1}, ogf]  
A006496 20.3261 [ 2\*x/(5\*x^2-2\*x+1) ogf]  
A006496 31.7462 -2\*(-1+5\*x)/(5\*x^2-2\*x+1) lgdogf  
A006496 9.28477 [ {a(n+2)-2\*a(n+1)+5\*a(n), a(0) = 0, a(1) = 2}, ogf]  
A006497 14.0915 [ (3\*x-2)/(x^2+3\*x-1) ogf]  
A006497 17.7498 -(-3-4\*x+3\*x^2)/(3\*x-2)/(x^2+3\*x-1) lgdogf  
A006497 7.73316 [ {-a(n+2)+3\*a(n+1)+a(n), a(0) = 2, a(1) = 3}, ogf]  
A006498 20.4961 [ -1/(x^2+1)/(x^2+x-1) ogf]  
A006498 20.6584 -(x+1)\*(4\*x^2-x+1)/(1+x^2)/(x^2+x-1) lgdogf  
A006498 6.11578 [ {a(n+4)-a(n+3)-a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2}, ogf]  
A006499 10.5948 [ -(2\*x^3+6\*x^2+2\*x+1)/(x^2+1)/(x^2+x-1) ogf]  
A006499 5.84830 [ {-a(n+4)+a(n+3)+a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 12}, ogf]  
A006499 9.07220 -(3+12\*x+12\*x^4+2\*x^6+12\*x^5+4\*x^3+3\*x^2)/(1+x^2)/(x^2+x-1)/(2\*x^3+6\*x^2+2\*x+1) lgdogf  
A006500 5.27553 [ -(x^7+2\*x^6+x^5-x^4-3\*x^3-x^2-x-1)/(x^2+x-1)/(x^6-x^3-1) ogf]  
A006501 16.1958 -2\*(1+2\*x+3\*x^4+x^3+5\*x^2)/(x-1)/(1+x^2)/(x^2+x+1) lgdogf  
A006501 24.8841 [-x^3+2\*x^2+x+2 ogf\_with\_Euler\_transform]  
A006501 8.50965 [ (x^2+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A006502 4.05388 [ -(3\*x^8+20\*x^7+39\*x^6+15\*x^5-5\*x^4+10\*x^3-18\*x^2+7\*x-1)/(x^2+3\*x-1)/(x^2+2\*x-1)^2/(x^2+x-1)^3 ogf]  
A006503 12.7229 [ -x\*(2\*x-3)/(x-1)^4 ogf]  
A006503 26.1173 -2\*(-5+3\*x)/(x-1)/(2\*x-3) lgdogf  
A006503 5.47673 [ {(-6-3\*n)\*a(n+3)+(15+5\*n)\*a(n+2)+(-6-2\*n)\*a(n+1), a(0) = 0, a(1) = 3, a(2) = 10}, ogf]

A006504 10.1794 [  $-(x^2-5*x+5)/(x-1)^5$  ogf]  
A006504 23.2182  $-(20-18*x+3*x^2)/(x-1)/(x^2-5*x+5)$  lgdogf  
A006504 3.94204 [  $\{(-5*n-20)*a(n+4)+(50+10*n)*a(n+3)+(-30-6*n)*a(n+2)+(n+4)*a(n+1), a(0) = 5, a(1) = 20, a(2) = 51, a(3) = 105\}$ , ogf]  
A006505 14.4804  $-a(n+1)+(n+2)*a(n+2), a(0)=0, a(1)=0, a(2)=1/2$  lgdegf  
A006516 16.6633  $-1/16*(-1-6*x+(1+12*x+4*x^2)^(1/2))/x$  revogf  
A006516 18.9720 [  $x/(4*x-1)/(2*x-1)$  ogf]  
A006516 22.8349  $-2*(-3+8*x)/(4*x-1)/(2*x-1)$  lgdogf  
A006516 7.72933 [  $\{a(n+2)-6*a(n+1)+8*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A006522 14.0533  $-x^2*(4*x^2-2*x+3)/(x-1)/(4*x^4-9*x^3+10*x^2-5*x+1)$  lgdogf  
A006522 7.54319 [  $-(4*x^4-9*x^3+10*x^2-5*x+1)/(x-1)^5$  ogf]  
A006527 11.7465 [  $x*(x^2+1)/(x-1)^4$  ogf]  
A006527 26.1637 [  $[-x^3+x+4]$  ogf\_with\_Euler\_transform]  
A006527 28.9323  $-2*(2+x+x^2)/(x-1)/(1+x^2)$  lgdogf  
A006527 3.89553 [  $\{(n+3)*a(n+4)+(-6-n)*a(n+3)+(-1+n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 11\}$ , ogf]  
A006528 20.4471  $-6*(1+2*x+2*x^2)/(x-1)/(4*x^2+x+1)$  lgdogf  
A006528 3.90029 [  $\{(n+3)*a(n+4)-6*a(n+3)+(-9+3*n)*a(n+2)+(-12-4*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 24\}$ , ogf]  
A006528 8.50546 [  $-x*(4*x^2+x+1)/(x-1)^5$  ogf]  
A006529 11.9554  $-2*(5+27*x+77*x^2+141*x^3)/(x-1)/(77*x^3+17*x^2+5*x+1)$  lgdogf  
A006529 7.05260 [  $-x*(77*x^3+17*x^2+5*x+1)/(x-1)^5$  ogf]  
A006542 24.2437  $-5*(2+4*x+x^2)/(x-1)/(x^2+3*x+1)$  lgdogf  
A006542 3.92988 [  $\{(-n-4)*a(n+4)+(4-2*n)*a(n+3)+(24+2*n)*a(n+2)+(6+n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 50, a(3) = 175\}$ , ogf]  
A006542 8.14335 [  $-(x^2+3*x+1)/(x-1)^7$  ogf]  
A006550 5.59713 [  $x*(6*x^5-14*x^4-10*x^3-8*x^2-3*x-1)/(x-1)^7$  ogf]  
A006550 8.98120  $-2*(-5-17*x-6*x^4+6*x^5-48*x^3-35*x^2)/(x-1)/(6*x^5-14*x^4-10*x^3-8*x^2-3*x-1)$  lgdogf  
A006564 10.9655 [  $(6*x^2+8*x+1)/(x-1)^4$  ogf]  
A006564 21.2020  $-12*(1+3*x+x^2)/(x-1)/(6*x^2+8*x+1)$  lgdogf  
A006564 3.74564 [  $\{(n+4)*a(n+4)+(9+7*n)*a(n+3)+(-40-2*n)*a(n+2)+(-18-6*n)*a(n+1), a(0) = 1, a(1) = 12, a(2) = 48, a(3) = 124\}$ , ogf]  
A006565 5.35929 [  $-x*(10*x^4+49*x^3+53*x^2+7*x+1)/(x-1)^7$  ogf]  
A006565 9.17562  $-2*(7+74*x+15*x^4+118*x^3+206*x^2)/(x-1)/(10*x^4+49*x^3+53*x^2+7*x+1)$  lgdogf  
A006566 18.7027  $-4*(5+17*x+5*x^2)/(x-1)/(10*x^2+16*x+1)$  lgdogf  
A006566 3.66455 [  $\{(n+3)*a(n+4)+(10+15*n)*a(n+3)+(-74-6*n)*a(n+2)+(-20-10*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 20, a(3) = 84\}$ , ogf]  
A006566 9.86985 [  $x*(10*x^2+16*x+1)/(x-1)^4$  ogf]  
A006571 7.87164 [  $-(4*x^10-2*x^9-2*x^8-2*x^7-2*x^6-2*x^5-2*x^4-2*x^3-2*x^2-2*x-2)/(x^11-1)$  ogf\_with\_Euler\_transform]  
A006578 14.9060 [  $-x*(2*x+1)/(x+1)/(x-1)^3$  ogf]  
A006578 23.2703  $-2*(2+4*x+3*x^2)/(x-1)/(2*x+1)/(x+1)$  lgdogf  
A006578 4.54354 [  $\{(-3-n)*a(n+4)-2*n*a(n+3)+(9+n)*a(n+2)+(6+2*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 8\}$ , ogf]  
A006584 27.8518  $-2*(1+3*x)/(x-1)/(x+1)$  lgdogf  
A006584 29.1597 [  $[2+2*x]$  ogf\_with\_Euler\_transform]  
A006584 4.56632 [  $\{-n*a(n+3)+2*a(n+2)+(4+n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$ , ogf]  
A006584 8.93410 [  $2*x^3/(x+1)^2/(x-1)^4$  ogf]  
A006587 4.29091 [  $\{(54*n^2+162*n+120)*a(n+1)+(-2*n^2-7*n-6)*a(n+2), a(0) = 3, a(1) = 36\}$ , ogf]  
A006587 9.32164 [  $3*\text{hypergeom}([1/3, 2/3], [1/2], 27*x)$  ogf]  
A006588 4.15889 [  $\{(54*n^2+162*n+120)*a(n+1)+(-2*n^2-7*n-6)*a(n+2), a(0) = 1, a(1) = 12\}$ , ogf]  
A006588 9.70407 [  $\text{hypergeom}([1/3, 2/3], [1/2], 27*x)$  ogf]  
A006589 14.5711  $-(7-18*x+12*x^2)/(x-1)/(2*x-1)/(3*x-2)$  lgdogf  
A006589 5.07738 [  $\{-a(n+3)+5*a(n+2)-8*a(n+1)+4*a(n), a(0) = 0, a(1) = 2, a(2) = 7\}$ , ogf]



A006589 9.88753 [  $x^*(3*x-2)/(x-1)/(2*x-1)^2$  ogf]  
A006592 11.3326 [  $4*x*(4*x^2+10*x+1)/(x-1)^4$  ogf]  
A006592 22.0778  $-2*(7+19*x+4*x^2)/(x-1)/(4*x^2+10*x+1)$  lgdogf  
A006592 4.27109 [  $\{(n+3)*a(n+4)+(4+9*n)*a(n+3)+(-44-6*n)*a(n+2)+(-8-4*n)*a(n+1),$   
 $a(0) = 0, a(1) = 4, a(2) = 56, a(3) = 216\}$ , ogf]  
A006595 11.0301 [  $-1/2*(x^2-2*x+2)/(x-1)^3$  egf]  
A006595 17.0778  $-(4-2*x+x^2)/(x-1)/(x^2-2*x+2)$  lgdegf  
A006597 10.7675 [  $x*(4*x^2+10*x+1)/(x-1)^4$  ogf]  
A006597 20.6771  $-2*(7+19*x+4*x^2)/(x-1)/(4*x^2+10*x+1)$  lgdogf  
A006597 4.02423 [  $\{(n+3)*a(n+4)+(4+9*n)*a(n+3)+(-44-6*n)*a(n+2)+(-8-4*n)*a(n+1),$   
 $a(0) = 0, a(1) = 1, a(2) = 14, a(3) = 54\}$ , ogf]  
A006605 19.9392  $1/2*(-x+1+(-1+x)*(-1+3*x))^{(1/2)}*x$  revogf  
A006629 23.3413  $16*x/(1+(1+4*x)^{(1/2)})^4$  revogf  
A006629 3.86736 [  $\{(27*n^3+216*n^2+573*n+504)*a(n$   
 $+1)+(-4*n^3-38*n^2-116*n-112)*a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A006630 4.93628 [  $\{(27*n^3+270*n^2+897*n+990)*a(n$   
 $+1)+(-4*n^3-46*n^2-166*n-180)*a(n+2), a(0) = 1, a(1) = 6\}$ , ogf]  
A006630 8.99304  $216+(-36+324*x)*f(x)+(-24*x$   
 $+162*x^2)*f(x)^2+(27*x^3-4*x^2)*f(x)^3$  lgdogf  
A006631 11.3360  $512+(-64+576*x)*f(x)+(-32*x$   
 $+216*x^2)*f(x)^2+(27*x^3-4*x^2)*f(x)^3$  lgdogf  
A006631 4.99588 [  $\{(27*n^3+324*n^2+1293*n+1716)*a(n$   
 $+1)+(-4*n^3-54*n^2-224*n-264)*a(n+2), a(0) = 1, a(1) = 8\}$ , ogf]  
A006632 4.57634 [  $\{(256*n^3+1664*n^2+3568*n+2520)*a(n$   
 $+1)+(-27*n^3-216*n^2-573*n-504)*a(n+2), a(0) = 1, a(1) = 3\}$ , ogf]  
A006632 69.2393  $-x*(x-1)^3$  revogf  
A006634 4.23524 [  $\{(-256*n^4-3712*n^3-20144*n^2-48488*n-43680)*a(n$   
 $+1)+(27*n^4+432*n^3+2517*n^2+6252*n+5460)*a(n+2), a(0) = 1, a(1) = 9\}$ , ogf]  
A006635 3.55231 [  $\{(-256*n^4-4480*n^3-29360*n^2-85400*n-93024)*a(n$   
 $+1)+(27*n^4+513*n^3+3516*n^2+10092*n+9792)*a(n+2), a(0) = 1, a(1) = 12\}$ , ogf]  
A006636 4.95643 [  $\{(2*n+6)*a(n+3)+(-15-3*n)*a(n+2)+(4+n)*a(n+1), a(0) = 8, a(1) =$   
 $36, a(2) = 102\}$ , ogf]  
A006636 7.86897 [  $-(x-2)^3/(x-1)^6$  ogf]  
A006637 4.47642 [  $\{(2*n+6)*a(n+3)+(-18-3*n)*a(n+2)+(5+n)*a(n+1), a(0) = 16, a(1)$   
 $= 96, a(2) = 344\}$ , ogf]  
A006637 5.55076 [  $(x-2)^4/(x-1)^8$  ogf]  
A006645 14.1564 [  $x^2/(x^2+2*x-1)^2$  ogf]  
A006645 34.3465  $-4*(x+1)/(x^2-1+2*x)$  lgdogf  
A006645 4.68692 [  $\{(-1-n)*a(n+3)+(2*n+4)*a(n+2)+(n+3)*a(n+1), a(0) = 0, a(1) = 0,$   
 $a(2) = 1\}$ , ogf]  
A006646 11.9520 [  $2*x^2/(2*x-1)/(4*x^2+4*x-1)$  ogf]  
A006646 13.2915  $-2*(-3+4*x+12*x^2)/(2*x-1)/(4*x^2+4*x-1)$  lgdogf  
A006646 4.88946 [  $\{-a(n+3)+6*a(n+2)-4*a(n+1)-8*a(n), a(0) = 0, a(1) = 0, a(2) =$   
 $2\}$ , ogf]  
A006659 4.63656 [  $\{(-4*n^2-30*n-56)*a(n+1)+(n^2+8*n+12)*a(n+2), a(0) = 2, a(1) =$   
 $12\}$ , ogf]  
A006668 12.8207 [  $x^2/(2*x-1)/(4*x^2+4*x-1)$  ogf]  
A006668 14.2665  $-2*(-3+4*x+12*x^2)/(2*x-1)/(4*x^2+4*x-1)$  lgdogf  
A006668 5.24482 [  $\{-a(n+3)+6*a(n+2)-4*a(n+1)-8*a(n), a(0) = 0, a(1) = 0, a(2) =$   
 $1\}$ , ogf]  
A006673 11.6975  $-a(n)*n+(2*n+2)*a(n+1)+(n+2)*a(n+2), a(0)=0, a(1)=1$  revegf  
A006678 4.52009 [  $\{-2*a(n)*n+(-4*n-3)*a(n+1)-a(n+2)*n+(n+3)*a(n+3), a(0) = 0,$   
 $a(1) = 1, a(2) = 1/2\}$ , egf]  
A006678 45.4775  $-x*(x-2)/(2+x^2)$  revegf  
A006679 15.7113  $-\ln(2+x^2)+\ln(1+x)+\ln(2)$  revegf  
A006684 17.3287 [  $x^2/(x^2+x-1)/(x^2+2*x-1)$  ogf]  
A006684 19.8169  $-(3+4*x^3+9*x^2)/(x^2+x-1)/(x^2+2*x-1)$  lgdogf  
A006684 6.39174 [  $\{-a(n+4)+3*a(n+3)-3*a(n+1)-a(n), a(0) = 0, a(1) = 0, a(2) = 1,$   
 $a(3) = 3\}$ , ogf]  
A006708 12.6557 [  $-(x^4+8*x^3+6*x^2+8*x+1)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A006709 10.8875 [  $-(-2*x^4-4*x^3-12*x^2-4*x-2)/(x^6-1)$  ogf\_with\_Euler\_transform]

A006847 16.9316  $(2+2*x-2*x^3-x^2)*f(x)+(-2+2*x^2)*f(x)^2$  lgdegf  
A006847 3.38141  $[ \{ (-2*n-10)*a(n+5)+2*a(n+4)+(8+2*n)*a(n+3)-a(n+2)-2*a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5/6, a(4) = 7/12 \},$  egf]  
A006848 10.1515  $(2+x+x^4+x^5-2*x^3-2*x^2)/(x-1)^2/(x+1)^2$  lgdegf  
A006857 15.6597  $-3*(5+20*x+2*x^3+15*x^2)/(x-1)/(x+1)/(x^2+5*x+1)$  lgdogf  
A006857 6.12216  $[ -(x+1)*(x^2+5*x+1)/(x-1)^9$  ogf]  
A006857 6.22171  $[ \{ (-n^2-13*n-42)*a(n+1)+(n^2+5*n+6)*a(n+2), a(0) = 1, a(1) = 15 \},$  ogf]  
A006858 14.4514  $-2*(7+28*x+2*x^3+19*x^2)/(x-1)/(x+1)/(x^2+6*x+1)$  lgdogf  
A006858 3.93278  $[ \{ (-2*n^2-15*n-28)*a(n+1)+(4*n^2+24*n+62)*a(n+2)+(-2*n^2-9*n-10)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 14 \},$  ogf]  
A006858 6.45842  $[ -x*(x+1)*(x^2+6*x+1)/(x-1)^7$  ogf]  
A006859 10.0832  $-5*(6+66*x+25*x^4+x^5+121*x^3+165*x^2)/(x-1)/(x+1)/(x^4+19*x^3+56*x^2+19*x+1)$  lgdogf  
A006859 4.93582  $[ (x+1)*x^4+19*x^3+56*x^2+19*x+1)/(x-1)^{10}$  ogf]  
A006864 13.2564  $-2*(1+2*x+2*x^3-3*x^2)/(2*x^2-1+2*x+x^4-2*x^3)$  lgdogf  
A006864 15.6982  $[ -x/(x^4-2*x^3+2*x^2+2*x-1)$  ogf]  
A006865 15.1740  $[ -(3*x+1)/(2*x^3+11*x-1)$  ogf]  
A006865 16.7322  $-2*(7+6*x^3+3*x^2)/(3*x+1)/(2*x^3+11*x-1)$  lgdogf  
A006865 7.12250  $[ \{ a(n+3)-11*a(n+2)-2*a(n), a(0) = 1, a(1) = 14, a(2) = 154 \},$  ogf]  
A006904 11.5870  $-(1+7*x+2*x^3+2*x^2)/(2*x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A006904 5.56548  $[ \{ -a(n+3)+3*a(n+1)+2*a(n), a(0) = 1, a(1) = 1, a(2) = 4 \},$  ogf]  
A006904 9.17816  $[ -(x^2+x+1)/(2*x-1)/(x+1)^2$  ogf]  
A006918 13.1810  $[ x/(x+1)^2/(x-1)^4$  ogf]  
A006918 40.7964  $-2*(1+3*x)/(x-1)/(x+1)$  lgdogf  
A006918 43.1060  $[ [2+2*x]$  ogf\_with\_Euler\_transform]  
A006918 6.83825  $[ \{ (-2-n)*a(n+3)+2*a(n+2)+(6+n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 2 \},$  ogf]  
A006922 28.8893  $[ 24/(-x+1)$  ogf\_with\_Euler\_transform]  
A006950 15.3528  $[ -(-x^3-x^2-1)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A006963 6.56610  $[ \{ (4*n^2+2*n)*a(n)+(-n-1)*a(n+1), a(0) = 1, a(1) = 1 \},$  ogf]  
A006974 29.4646  $-(-9+8*x)/(2*x-1)/(x-1)$  lgdogf  
A006974 4.51449  $[ \{ (n+3)*a(n+3)+(-15-3*n)*a(n+2)+(10+2*n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 50 \},$  ogf]  
A006974 9.33401  $[ (x-1)/(2*x-1)^5$  ogf]  
A006975 24.7888  $-(-11+10*x)/(2*x-1)/(x-1)$  lgdogf  
A006975 4.10670  $[ \{ (n+3)*a(n+3)+(-17-3*n)*a(n+2)+(12+2*n)*a(n+1), a(0) = 1, a(1) = 11, a(2) = 72 \},$  ogf]  
A006975 7.35386  $[ -(x-1)/(2*x-1)^6$  ogf]  
A006976 24.0806  $-(-13+12*x)/(2*x-1)/(x-1)$  lgdogf  
A006976 3.99062  $[ \{ (n+3)*a(n+3)+(-19-3*n)*a(n+2)+(14+2*n)*a(n+1), a(0) = 1, a(1) = 13, a(2) = 98 \},$  ogf]  
A006976 6.33563  $[ (x-1)/(2*x-1)^7$  ogf]  
A006977 8.52520  $[ -(4*x^5-2*x^4-3*x^3-x^2-3*x-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(x^2+1)$  ogf]  
A006979 8.02950  $-(-2-2*x+15*x^4+21*x^6+24*x^5+4*x^3+16*x^7+9*x^8)/(x^4+x^3+x^2+x-1)/(x^5+x^4+x^3+x^2+x-1)$  lgdogf  
A006979 8.77864  $[ x^5/(x^4+x^3+x^2+x-1)/(x^5+x^4+x^3+x^2+x-1)$  ogf]  
A006980 5.77903  $-(-2-2*x+10*x^4+35*x^6+24*x^5+4*x^3+11*x^10+32*x^7+20*x^9+27*x^8)/(x^5+x^4+x^3+x^2+x-1)/(x^6+x^5+x^4+x^3+x^2+x-1)$  lgdogf  
A006980 6.73369  $[ 1/(x^5+x^4+x^3+x^2+x-1)/(x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A007004 13.7800  $[ \text{hypergeom}([1/3, 2/3], [2], 27*x)$  ogf]  
A007004 5.60162  $[ \{ (-27*n^2-81*n-60)*a(n+1)+(n^2+5*n+6)*a(n+2), a(0) = 1, a(1) = 3 \},$  ogf]  
A007009 16.9860  $-(4+12*x+5*x^3+9*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A007009 32.0852  $[ -x^2+2*x+4$  ogf\_with\_Euler\_transform]  
A007009 8.68104  $[ -(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A007010 4.71412  $[ -(x^6+6*x^5+21*x^4+28*x^3+21*x^2+6*x+1)/(x+1)^3/(x-1)^9$  ogf]  
A007019 7.59418  $[ \{ (2*n^2+9*n+10)*a(n+1)-a(n+2), a(0) = 1, a(1) = 3 \},$  ogf]

A007039 10.4201  $-(1-2*x-x^4+2*x^6-4*x^3+7*x^2)/(x+1)/(x^2-x+1)/(x^2+x-1)/(2*x^2-2*x+1)$  lgdogf  
A007039 13.5131  $[-2*(x+1)*(2*x^2-2*x+1)/(x^2-x+1)/(x^2+x-1)$  ogf]  
A007040 10.1897  $[2*(x^4-2*x^2-x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A007040 9.99186  $(1+6*x+7*x^4+2*x^6+6*x^5+4*x^3+7*x^2)/(x^2+x+1)/(x^4-2*x^2-x-1)/(x^2+x-1)$  lgdogf  
A007051 17.4351  $[-(2*x-1)/(x-1)/(3*x-1)$  ogf]  
A007051 20.2924  $-2*(1-3*x+3*x^2)/(x-1)/(3*x-1)/(2*x-1)$  lgdogf  
A007051 9.56806  $[{a(n+2)-4*a(n+1)+3*a(n), a(0) = 1, a(1) = 2},$  ogf]  
A007052 13.1359  $[-(x-1)/(2*x^2-4*x+1)$  ogf]  
A007052 14.1074  $-1/2*(-1-4*x+(1+4*x+8*x^2)^(1/2))/(2*x+1)$  revogf  
A007052 17.0119  $-(3-4*x+2*x^2)/(x-1)/(2*x^2-4*x+1)$  lgdogf  
A007052 7.20874  $[{a(n+2)-4*a(n+1)+2*a(n), a(0) = 1, a(1) = 3},$  ogf]  
A007054 13.6041  $3/32+3/16*x-1/32*x^2-1/32*(x-9)*(x-1)^3^(1/2)$  revogf  
A007054 7.38215  $[{-4*n-6)*a(n+1)+(n+4)*a(n+2), a(0) = 3, a(1) = 2},$  ogf]  
A007068 12.2071  $[-(x+1)*(2*x^2-2*x-1)/(2*x^4-4*x^2+1)$  ogf]  
A007068 9.88144  $-(3+8*x-10*x^4+4*x^6-8*x^3+6*x^2)/(x+1)/(2*x^2-2*x-1)/(2*x^4-4*x^2+1)$  lgdogf  
A007070 15.3191  $-1/4*(-1-4*x+(1+8*x+8*x^2)^(1/2))/x$  revogf  
A007070 16.6276  $[1/(2*x^2-4*x+1)$  ogf]  
A007070 24.3713  $-4*(x-1)/(2*x^2+1-4*x)$  lgdogf  
A007070 6.69160  $[{-a(n+2)+4*a(n+1)-2*a(n), a(0) = 1, a(1) = 4},$  ogf]  
A007086 5.56525  $[-(22*x^17-21*x^16+x^15-2*x^12-7*x^11-15*x^8+2*x^7+2*x^6-2*x^4-2*x^3-x^2-x-1)/(x^2+x+1)/(x-1)^2$  ogf]  
A007090 4.52224  $[x*(67*x^15+x^14+x^13+x^12+7*x^11+x^10+x^9+x^8+7*x^7+x^6+x^5+x^4+7*x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A007095 7.29161  $[x*(2*x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A007096 15.3280  $[{-(-4*x^2+2*x-4)/(-x^4+1)}$  ogf\_with\_Euler\_transform]  
A007113 24.8428  $(\ln(x+1)*x+\ln(x+1)+x)/(x+1)$  lgdegf  
A007114 8.29983  $n^2*a(n)+(-3*n^2-6*n-3)*a(n+1)+(6*n+4+2*n^2)*a(n+2), a(0)=0, a(1)=-2$  lgdegf  
A007120 8.60020  $-n^2*a(n)+(9*n+5+4*n^2)*a(n+1)+(-9*n-6-3*n^2)*a(n+2), a(0)=-1, a(1)=-3$  lgdegf  
A007123 198.744  $x+1$  lgdegf  
A007151 15.1892  $(\exp(-x)+2*\exp(-x)*x-1)*\exp(x)/(1+x)$  revegf  
A007165 21.9455  $-x*(-1-2*x+x^2)/(1+x)/(2*x+1)$  revogf  
A007179 10.2036  $[-x*(x-1)/(2*x-1)/(2*x^2-1)$  ogf]  
A007179 12.6978  $-(1+4*x+8*x^3-14*x^2)/(x-1)/(2*x-1)/(2*x^2-1)$  lgdogf  
A007179 5.23968  $[{-a(n+3)+2*a(n+2)+2*a(n+1)-4*a(n), a(0) = 0, a(1) = 1, a(2) = 1},$  ogf]  
A007191 18.9775  $[24/(x^2-1)$  ogf\_with\_Euler\_transform]  
A007202 7.42833  $[(x^4+10*x^3+20*x^2+10*x+1)/(x+1)/(x-1)^4$  ogf]  
A007202 9.31715  $-(13+75*x+23*x^4+x^5+94*x^3+130*x^2)/(x-1)/(x+1)/(x^4+10*x^3+20*x^2+10*x+1)$  lgdogf  
A007204 12.4262  $-(25+188*x+x^4+44*x^3+222*x^2)/(x-1)/(x^4+20*x^3+54*x^2+20*x+1)$  lgdogf  
A007204 8.13221  $[-(x^4+20*x^3+54*x^2+20*x+1)/(x-1)^5$  ogf]  
A007226 30.2147  $(-1+(1-x)^(1/2))*(x-1)$  revogf  
A007226 5.41813  $[{(27*n^2+81*n+60)*a(n+1)+(-4*n^2-18*n-18)*a(n+2), a(0) = 2, a(1) = 3},$  ogf]  
A007228 33.7071  $(x-1)*((1-x)^(1/3)-1)$  revogf  
A007228 4.70727  $[{(256*n^3+1152*n^2+1712*n+840)*a(n+1)+(-27*n^3-162*n^2-303*n-180)*a(n+2), a(0) = 3, a(1) = 6},$  ogf]  
A007249 18.7768  $[12/(x^2-1)$  ogf\_with\_Euler\_transform]  
A007259 25.8018  $[8/(x^2-1)$  ogf\_with\_Euler\_transform]  
A007262 32.0917  $[-(6*x-6)/(x^3-1)$  ogf\_with\_Euler\_transform]  
A007272 7.74178  $[{(-4*n-6)*a(n+1)+(n+5)*a(n+2), a(0) = 10, a(1) = 5},$  ogf]  
A007283 15.2636  $[{a(n+1)-2*a(n), a(0) = 3},$  ogf]

A007283 31.7483  $[-3/(2*x-1)$  ogf]  
A007283 32.4884  $-1/2*\ln(3)+1/2*\ln(2*x+3)$  reveqf  
A007283 77.9722  $-2/(2*x-1)$  lgdogf  
A007290 13.9093  $[2*x^3/(x-1)^4$  ogf]  
A007290 5.89756  $\{(-1+n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$ , ogf]  
A007290 91.6792  $-4/(x-1)$  lgdogf  
A007291 15.1960  $-(63+130*x+27*x^2)/(x-1)/(9*x^2+28*x+7)$  lgdogf  
A007291 7.57642  $[-(9*x^2+28*x+7)/(x-1)^5$  ogf]  
A007297 36.5105  $-x*(x-1)/(1+x)^3$  revogf  
A007297 8.00229  $(-108*n^2-648*n-924)*a(n+1)+(n^2+7*n+12)*a(n+3), a(0)=4, a(1)=30, a(2)=256$  lgdogf  
A007307 15.2657  $[-x*(2*x+1)/(x^3+x^2-1)$  ogf]  
A007307 16.0791  $-(2+2*x+4*x^3+5*x^2)/(2*x+1)/(x^3+x^2-1)$  lgdogf  
A007307 8.69980  $\{-a(n+3)+a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A007309 11.8414  $[-x*(4*x+1)/(x^3+x^2-1)$  ogf]  
A007309 15.4113  $-(4+2*x+8*x^3+7*x^2)/(4*x+1)/(x^3+x^2-1)$  lgdogf  
A007309 6.74831  $\{-a(n+3)+a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A007310 10.7100  $[(x^2+4*x+1)/(x+1)/(x-1)^2$  ogf]  
A007310 15.1824  $-(5+9*x+x^3+9*x^2)/(x-1)/(x+1)/(x^2+4*x+1)$  lgdogf  
A007310 5.83310  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 7\}$ , ogf]  
A007312 6.79876  $-x*(-1-x-x^2+3*x^4+2*x^5-3*x^8+3*x^6-3*x^7-3*x^9+2*x^{11}+x^{12})/(x-1)/(x^4+x^3-1)/(x^8+3*x^7-x^5-2*x^4-x^3+1)$  revogf  
A007317 4.86572  $\{(-5*n-10)*a(n+1)+(6*n+16)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A007317 42.7386  $x*(x-1)/(x^2-x-1)$  revogf  
A007317 7.72932  $-1/2*(x-1+2*x*(x-1)^{1/2}*(5*x-1)^{1/2})-(x-1)^{1/2}*(5*x-1)^{1/2})/x/(x-1)^{3/2}/(5*x-1)^{1/2}$  lgdogf  
A007325 10.5323  $[-(x^2-1)/(-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A007331 30.6915  $[-8/(-x-1)$  ogf\_with\_Euler\_transform]  
A007332 14.5488  $[-(-12*x^2-6*x-6)/(x^3-1)$  ogf\_with\_Euler\_transform]  
A007344 5.65890  $[(2*x^4+3*x^3+3*x^2+x+2)/(x^2+x+1)/(x+1)^2/(x-1)^6$  ogf]  
A007380 10.3880  $[-(x^6+x^5+x^3+2*x+1)/(x^7+x^2-1)$  ogf]  
A007380 5.07221  $-(2+2*x+4*x^4+4*x^6+6*x^5+5*x^2+2*x^{11}+x^{12}+8*x^7+4*x^9)/(x^6+x^5+x^3+2*x+1)/(x^7+x^2-1)$  lgdogf  
A007381 9.54157  $[-(x^8+x^7+x^5+x^3+2*x+1)/(x^9+x^2-1)$  ogf]  
A007382 4.56752  $[x^2*(x^3+2*x^2-x-3)/(x^2+x-1)/(x-1)^2/(x+1)^2$  ogf]  
A007382 5.82802  $-(4+14*x+x^4+3*x^6+10*x^5-24*x^3-12*x^2)/(x-1)/(x+1)/(x^2+x-1)/(x^3+2*x^2-x-3)$  lgdogf  
A007383 10.7028  $[-x^2/(x^3+x^2-1)/(x-1)^2/(x+1)^2$  ogf]  
A007383 10.8328  $-x*(-6+7*x^3+6*x^2-3*x)/(x-1)/(x+1)/(x^3+x^2-1)$  lgdogf  
A007384 10.5344  $-x*(-6-5*x^3+9*x^5+6*x^2)/(x-1)/(x+1)/(x^5+x^2-1)$  lgdogf  
A007384 10.7155  $[-x^4/(x^5+x^2-1)/(x-1)^2/(x+1)^2$  ogf]  
A007385 10.2660  $[-x^6/(x^7+x^2-1)/(x-1)^2/(x+1)^2$  ogf]  
A007385 10.5957  $-x*(-6+6*x^2-7*x^5+11*x^7)/(x-1)/(x+1)/(x^7+x^2-1)$  lgdogf  
A007386 10.3373  $-x*(-6+6*x^2-9*x^7+13*x^9)/(x-1)/(x+1)/(x^9+x^2-1)$  lgdogf  
A007386 9.49983  $[-x^8/(x^9+x^2-1)/(x-1)^2/(x+1)^2$  ogf]  
A007387 11.4085  $(3+4*x+8*x^4-6*x^5+3*x^{10}+9*x^2+16*x^7)/(x^5+x^2-1)/(3*x^6-2*x^3-3*x-2)$  lgdogf  
A007387 11.9110  $[x*(3*x^6-2*x^3-3*x-2)/(x^5+x^2-1)$  ogf]  
A007388 8.81773  $[x*(5*x^{10}+3*x^8-2*x^5-2*x^3-3*x-2)/(x^7+x^2-1)$  ogf]  
A007389 8.38552  $[x*(7*x^{14}+5*x^{12}+3*x^{10}-2*x^7-2*x^5-2*x^3-3*x-2)/(x^9+x^2-1)$  ogf]  
A007390 7.22184  $[x^3*(x^3+2*x^2-x-4)/(x^2+x-1)/(x-1)^2/(x+1)^2$  ogf]  
A007391 7.32650  $-x*(16-22*x^3+5*x^5+4*x^4-20*x^2+9*x)/(x-1)/(x+1)/(x^3+x^2-1)/(x^2-3)$  lgdogf  
A007391 8.51765  $[x^5*(x^2-3)/(x^3+x^2-1)/(x-1)^2/(x+1)^2$  ogf]  
A007392 6.98354  $-x*(24+25*x^3-54*x^5+12*x^4-36*x^2+21*x^7)/(x-1)/(x+1)/(3*x^2-5)/(x^5+x^2-1)$  lgdogf  
A007392 8.21316  $[x^9*(3*x^2-5)/(x^5+x^2-1)/(x-1)^2/(x+1)^2$  ogf]  
A007393 6.92120  $-x*(32+49*x^5+20*x^4-52*x^2+45*x^9-102*x^7)/(x-1)/(x+1)/$

$(5x^2-7)/(x^7+x^2-1)$  lgdogf  
A007393 7.58774 [  $x^{13}*(5x^2-7)/(x^7+x^2-1)/(x-1)^2/(x+1)^2$  ogf]  
A007394 6.94831  $-x*(40-68x^2+28x^4+81x^7-166x^9+77x^{11})/(x-1)/(x+1)/(7x^2-9)/(x^9+x^2-1)$  lgdogf  
A007394 7.55329 [  $x^{17}*(7x^2-9)/(x^9+x^2-1)/(x-1)^2/(x+1)^2$  ogf]  
A007395 117.359  $-1/(x-1)$  lgdogf  
A007395 134.124  $x/(2+x)$  revogf  
A007395 18.4109 [  $\{a(n+1)-a(n), a(0) = 2\}$ , ogf]  
A007395 38.2948 [  $-2/(x-1)$  ogf]  
A007405 20.9033  $2*a(n)+(-n-1)*a(n+1), a(0)=2, a(1)=2$  lgdegf  
A007412 7.87568  $(3-x-11x^6+6x^5-47x^{24}+5x^7+23x^{25}+24x^{23})/(x-1)/(x^{25}-x^{24}+x^7-x^6+x-2)$  lgdogf  
A007412 7.97796 [  $-(x^{25}-x^{24}+x^7-x^6+x-2)/(x-1)^2$  ogf]  
A007415 10.1168  $-(4-8x-3x^4+2x^5+8x^3)/(x^2+2x+2)/(x^2-2x+2)/(x^2-x+2)$  lgdegf  
A007415 12.5406 [  $2*x*(x^2-x+2)/(x^2-2x+2)/(x^2+2x+2)$  egf]  
A007417 10.8852 [  $-x^{20}+x^{19}+x^6-x^5-x^2+x+2$  ogf\_with\_Euler\_transform]  
A007420 16.8216 [  $-x^2/(4x^3-4x^2+2x-1)$  ogf]  
A007420 17.9689  $-2*(1-4x+6x^2)/(-4x^2-1+2x+4x^3)$  lgdogf  
A007420 6.26987 [  $\{a(n+3)-2a(n+2)+4a(n+1)-4a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A007440 18.1513  $-((1+2x+5x^2)^{1/2}-1)/(1+2x+5x^2)^{1/2}/x$  lgdogf  
A007440 5.20805 [  $\{(5n+10)*a(n+1)+(2n+7)*a(n+2)+(n+5)*a(n+3), a(0) = 1, a(1) = -1, a(2) = 0\}$ , ogf]  
A007440 64.2277  $-x/(-1+x+x^2)$  revogf  
A007450 7.87290 [  $-x*(7x^7-3x^6+2x^5+x^4-6x^3+3x+5)/(x-1)/(x^8+1)$  ogf]  
A007452 11.0259 [  $2*(x^3-2x+2)/(x^2-2x+2)/(x^2+2x+2)$  egf]  
A007452 5.93701 [  $\{-4a(n+4)-a(n), a(0) = 1, a(1) = -1, a(2) = 0, a(3) = 1/2\}$ , egf]  
A007452 9.13059  $-(8-6x^4+x^6+8x^3-12x^2)/(x^2+2x+2)/(x^2-2x+2)/(x^3-2x+2)$  lgdegf  
A007455 10.7928  $-(x+1)*(4x^5-4x^4+4x^3+4x^2+5x+1)/(1+2x^3+x)/(2x^4+3x^2-1)$  lgdogf  
A007455 12.7444 [  $-(2x^3+x+1)/(2x^4+3x^2-1)$  ogf]  
A007455 6.85311 [  $\{a(n+4)-3a(n+2)-2a(n), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 5\}$ , ogf]  
A007465 4.41191 [  $\{(2n^2+18n+28)*a(n+1)+(-3n^2-25n-44)*a(n+2)+(n^2+6n+9)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 30\}$ , ogf]  
A007465 7.89731 [  $-(6x^4-12x^3+10x^2-4x+1)/(2x-1)^5$  ogf]  
A007465 8.93827  $-6*(1-2x+2x^4-4x^3+4x^2)/(2x-1)/(6x^4-12x^3+10x^2-4x+1)$  lgdogf  
A007466 10.2065 [  $-(2x^2-2x+1)/(2x-1)^3$  ogf]  
A007466 18.2241  $-4*(1-x+x^2)/(2x-1)/(2x^2-2x+1)$  lgdogf  
A007466 5.55089 [  $\{a(n+3)-6a(n+2)+12a(n+1)-8a(n), a(0) = 1, a(1) = 4, a(2) = 14\}$ , ogf]  
A007477 12.9148  $-1/2-1/2x^2+1/2*((1+x)*(x^3-x^2+3x+1))^{1/2}$  revogf  
A007477 6.18086 [  $\{(-4n-6)*a(n+1)+(-4n-12)*a(n+2)+(n+6)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2\}$ , ogf]  
A007481 12.1072  $-(2+6x+9x^4+2x^6+8x^3+9x^2)/(x^3+2x+1)/(2x^4+3x^2-1)$  lgdogf  
A007481 12.9919 [  $-(x^3+2x+1)/(2x^4+3x^2-1)$  ogf]  
A007482 16.9799  $1/4/x*(-3x-1+(17x^2+6x+1)^{1/2})$  revogf  
A007482 18.3942 [  $-1/(2x^2+3x-1)$  ogf]  
A007482 27.0134  $-(3+4x)/(2x^2-1+3x)$  lgdogf  
A007482 7.40254 [  $\{-a(n+2)+3a(n+1)+2a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A007483 13.7009 [  $-(2x+1)/(2x^2+3x-1)$  ogf]  
A007483 15.0957  $1/4*(-3x-1+(17x^2+14x+1)^{1/2})/(1+x)$  revogf  
A007483 16.7730  $-(5+4x+4x^2)/(2x+1)/(2x^2-1+3x)$  lgdogf  
A007483 7.51880 [  $\{a(n+2)-3a(n+1)-2a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A007484 16.5801 [  $-(x+2)/(2x^2+3x-1)$  ogf]  
A007484 17.4541  $1/2/(2x+1)*(-2-3x+(4+16x+17x^2)^{1/2})$  revogf

A007484 21.5610  $-(7+8*x+2*x^2)/(x+2)/(2*x^2-1+3*x)$  lgdogf  
A007484 9.09884  $[{-a(n+2)+3*a(n+1)+2*a(n), a(0) = 2, a(1) = 7}]$ , ogf]  
A007486 14.5568  $[ -(2*x+1)/(x^3+x^2+x-1)$  ogf]  
A007486 18.0307  $-(3+2*x+4*x^3+5*x^2)/(2*x+1)/(x^3+x^2+x-1)$  lgdogf  
A007486 6.88849  $[{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 4}]$ , ogf]  
A007487 3.30652 [ -  
 $x*(x^8+502*x^7+14608*x^6+88234*x^5+156190*x^4+88234*x^3+14608*x^2+502*x+1)/(x-1)^{11}$  ogf]  
A007489 4.90383  $[{(-n-3)*a(n+1)+(n+4)*a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 3}]$ , ogf]  
A007492 13.7954  $[ (x^2-2)/(x^2+x-1)/(x+1)$  ogf]  
A007492 18.4678  $-x*(-6+x^3-6*x)/(x+1)/(x^2-2)/(x^2+x-1)$  lgdogf  
A007492 7.86189  $[{a(n+3)-2*a(n+1)-a(n), a(0) = 2, a(1) = 0, a(2) = 3}]$ , ogf]  
A007494 16.2063  $[ x*(x+2)/(x+1)/(x-1)^2$  ogf]  
A007494 28.4666  $-(x+3)*(2*x+1)/(x-1)/(x+2)/(x+1)$  lgdogf  
A007494 8.32217  $[{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 3}]$ , ogf]  
A007502 13.3356  $-(2+2*x+x^4-3*x^3+3*x^2)/(x^2+x-1)/(x^3-x^2+1)$  lgdogf  
A007502 4.41760  $[{-a(n+4)+2*a(n+3)+a(n+2)-2*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9}]$ , ogf]  
A007502 8.59314  $[ (x^3-x^2+1)/(x^2+x-1)^2$  ogf]  
A007518 15.2483  $[ 3*x/(x+1)/(x-1)^4$  ogf]  
A007518 32.2393  $-(3+5*x)/(x-1)/(x+1)$  lgdogf  
A007518 44.0580  $[ [3+x]$  ogf\_with\_Euler\_transform]  
A007518 6.99357  $[{(-2-n)*a(n+3)+3*a(n+2)+(5+n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 9}]$ , ogf]  
A007526 4.63673  $[{(-n^2-5*n-6)*a(n+1)+(n^2+6*n+9)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 4}]$ , ogf]  
A007526 47.9317  $(x-2)/(x-1)$  lgdegf  
A007531 15.1158  $[ 6*x^3/(x-1)^4$  ogf]  
A007531 6.40909  $[{(-1+n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6}]$ , ogf]  
A007531 99.6718  $-4/(x-1)$  lgdogf  
A007533 10.3274  $[ -(13*x^2+35*x+2)/(x-1)^3$  ogf]  
A007533 16.3181  $-(41+96*x+13*x^2)/(x-1)/(13*x^2+35*x+2)$  lgdogf  
A007533 5.65764  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 41, a(2) = 130}]$ , ogf]  
A007559 12.9378  $-1/3*(1-2*x)^{(1/2)}+2/3*(1-2*x)^{(1/2)}*x+1/3$  revevgf  
A007559 54.3390  $-1/(3*x-1)$  lgdegf  
A007559 6.30626  $[{(-3*n-4)*a(n+1)+a(n+2), a(0) = 1, a(1) = 1}]$ , ogf]  
A007564 12.3097  $-1/2*(2*x-1+(1-8*x+4*x^2)^{(1/2)})/x/(1-8*x+4*x^2)^{(1/2)}$  lgdogf  
A007564 3.20979  $[{(8*n^2+8*n)*a(n)+(-20*n^2-56*n-36)*a(n+1)+(10*n^2+52*n+66)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 4}]$ , ogf]  
A007564 34.9855  $x*(-1+3*x)/(-1+2*x)$  revogf  
A007566 20.1998  $(2*x+1)*(4*x^2-3)/(2*x-1)/(4*x^2+1)$  lgdegf  
A007572 13.0873  $[ (13*x-5)/(x+1)/(4*x-1)$  ogf]  
A007572 13.0994  $1/2/(-13+4*x)*(-5-3*x+(25-22*x+25*x^2)^{(1/2)})$  revogf  
A007572 14.0351  $-2*(-1-20*x+26*x^2)/(4*x-1)/(13*x-5)/(x+1)$  lgdogf  
A007572 7.34163  $[{-a(n+2)+3*a(n+1)+4*a(n), a(0) = 5, a(1) = 2}]$ , ogf]  
A007574 7.67392  $[ -(2*x^5-x^4-x^3+x^2+x-1)/(x-1)^2/(x^2+x-1)^2$  ogf]  
A007574 8.95112  $-(3-4*x-10*x^4-2*x^6+9*x^5+7*x^3-3*x^2+2*x^7)/(x-1)/(x^2+x-1)/(2*x^5-x^4-x^3+x^2+x-1)$  lgdogf  
A007581 5.34363  $[{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = 1, a(1) = 2, a(2) = 5}]$ , ogf]  
A007581 8.95632  $-(2-18*x+40*x^4-80*x^3+59*x^2)/(x-1)/(4*x-1)/(2*x-1)/(5*x^2-5*x+1)$  lgdogf  
A007581 9.73919  $[ -(5*x^2-5*x+1)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A007582 14.0540  $[ -(3*x-1)/(4*x-1)/(2*x-1)$  ogf]  
A007582 15.4930  $-(3-16*x+24*x^2)/(3*x-1)/(2*x-1)/(4*x-1)$  lgdogf  
A007582 7.71259  $[{a(n+2)-6*a(n+1)+8*a(n), a(0) = 1, a(1) = 3}]$ , ogf]

A007582 9.53415  $1/4*\ln(8*x$   
 $+3)+1/4*\ln(2*(1+2*x)^(1/2)-1)-1/4*\ln(2*(1+2*x)^(1/2)+1)$  revogf  
A007583 14.3365  $[-(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A007583 15.4252  $-1/4*(-1-5*x+(1+2*x+9*x^2)^(1/2))/(2*x+1)$  revogf  
A007583 17.5676  $-(3-8*x+8*x^2)/(x-1)/(4*x-1)/(2*x-1)$  lgdogf  
A007583 7.86761  $[{a(n+2)-5*a(n+1)+4*a(n), a(0) = 1, a(1) = 3},$  ogf]  
A007584 12.4206  $[x*(6*x+1)/(x-1)^4$  ogf]  
A007584 33.1718  $-2*(5+9*x)/(6*x+1)/(x-1)$  lgdogf  
A007584 5.34660  $[{(-2-n)*a(n+3)+(5-5*n)*a(n+2)+(18+6*n)*a(n+1), a(0) = 0, a(1) =$   
 $1, a(2) = 10},$  ogf]  
A007585 10.0339  $[x*(7*x+1)/(x-1)^4$  ogf]  
A007585 26.7271  $-(11+21*x)/(7*x+1)/(x-1)$  lgdogf  
A007585 4.31921  $[{(-2-n)*a(n+3)+(5-6*n)*a(n+2)+(21+7*n)*a(n+1), a(0) = 0, a(1) =$   
 $1, a(2) = 11},$  ogf]  
A007586 12.7081  $[x*(8*x+1)/(x-1)^4$  ogf]  
A007586 32.5925  $-12*(2*x+1)/(8*x+1)/(x-1)$  lgdogf  
A007586 5.47036  $[{(-2-n)*a(n+3)+(5-7*n)*a(n+2)+(24+8*n)*a(n+1), a(0) = 0, a(1) =$   
 $1, a(2) = 12},$  ogf]  
A007587 12.7656  $[x*(9*x+1)/(x-1)^4$  ogf]  
A007587 34.1062  $-(13+27*x)/(9*x+1)/(x-1)$  lgdogf  
A007587 5.49512  $[{(-2-n)*a(n+3)+(5-8*n)*a(n+2)+(27+9*n)*a(n+1), a(0) = 0, a(1) =$   
 $1, a(2) = 13},$  ogf]  
A007588 11.0403  $[x*(x^2+10*x+1)/(x-1)^4$  ogf]  
A007588 23.7013  $-2*(7+16*x+x^2)/(x-1)/(x^2+10*x+1)$  lgdogf  
A007588 4.12619  $[{(n+3)*a(n+4)+(4+9*n)*a(n+3)+(-41-9*n)*a(n+2)+(-2-n)*a(n+1),$   
 $a(0) = 0, a(1) = 1, a(2) = 14, a(3) = 51},$  ogf]  
A007589 7.55561  $[-x*(x+1)*(24*x^3-23*x^2+16*x+1)/(x-1)^3$  ogf]  
A007589 9.94138  $4*(-5-5*x+6*x^4-24*x^3+x^2)/(x-1)/(x+1)/(24*x^3-23*x^2+16*x+1)$   
lgdogf  
A007590 18.2607  $[-2*x^2/(x+1)/(x-1)^3$  ogf]  
A007590 36.9887  $-2*(2*x+1)/(x-1)/(x+1)$  lgdogf  
A007590 38.9467  $[[2+x]$  ogf\_with\_Euler\_transform]  
A007590 6.73549  $[{a(n+4)-2*a(n+3)+2*a(n+1)-a(n), a(0) = 0, a(1) = 0, a(2) = 2,$   
 $a(3) = 4},$  ogf]  
A007598 10.7566  $[-x*(x-1)/(x+1)/(x^2-3*x+1)$  ogf]  
A007598 13.7075  $-(1+4*x+2*x^3-5*x^2)/(x-1)/(x+1)/(x^2-3*x+1)$  lgdogf  
A007598 5.52365  $[{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 1},$   
ogf]  
A007601 7.95249  $(-2-2*x+5*x^4-12*x^6+2*x^5+10*x^3-2*x^2-6*x^7+3*x^8)/(x-1)/$   
 $(3*x^3-1)/(x^5+2*x^4+2*x^3-x^2-x-1)$  lgdogf  
A007601 8.97041  $[-(x^5+2*x^4+2*x^3-x^2-x-1)/(x-1)/(3*x^3-1)$  ogf]  
A007612 9.41284  $-(2+2*x-9*x^4+10*x^6+3*x^5+18*x^3+6*x^2+4*x^7)/(x-1)/(x+1)/$   
 $(4*x^4+3*x^3+x^2+1)/(x^2-x+1)$  lgdogf  
A007612 9.48957  $[(4*x^4+3*x^3+x^2+1)/(x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A007613 13.6948  $1/2/(-5+8*x)*(-1-7*x+(1-6*x+81*x^2)^(1/2))$  revogf  
A007613 14.0288  $-2*(10*x+1)*(2*x-1)/(8*x-1)/(5*x-1)/(x+1)$  lgdogf  
A007613 16.1421  $[(5*x-1)/(8*x-1)/(x+1)$  ogf]  
A007613 8.85846  $[{-a(n+2)+7*a(n+1)+8*a(n), a(0) = 1, a(1) = 2},$  ogf]  
A007654 10.4706  $-2*(8-15*x+x^3-6*x^2)/(x-1)/(x+1)/(x^2-14*x+1)$  lgdogf  
A007654 12.0337  $[-3*(x+1)*x/(x-1)/(x^2-14*x+1)$  ogf]  
A007654 6.22796  $[{a(n+3)-15*a(n+2)+15*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) =$   
 $48},$  ogf]  
A007655 10.1010  $-1/2*(-14*x-1+(16*x+1)^(1/2)*(1+12*x)^(1/2))/x$  revogf  
A007655 20.2652  $[x/(x^2-14*x+1)$  ogf]  
A007655 21.1203  $-2*(-7+x)/(x^2-14*x+1)$  lgdogf  
A007655 8.40266  $[{a(n+2)-14*a(n+1)+a(n), a(0) = 0, a(1) = 1},$  ogf]  
A007661 5.70916  $[{(-n-4)*a(n+1)+a(n+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 3},$   
ogf]  
A007667 3.29251  $[{-a(n+3)+99*a(n+2)-99*a(n+1)+a(n), a(0) = 5, a(1) = 365, a(2) =$   
 $35645},$  ogf]  
A007667 6.07848  $[-5*(x^2-26*x+1)/(x-1)/(x^2-98*x+1)$  ogf]

A007679 10.0363 [  $-(3*x^2-x+1)/(2*x-1)/(x^2+1)$  ogf]  
A007679 11.0854  $-(3*x+1)*(2*x^3-2*x^2+x+1)/(2*x-1)/(x^2+1)/(3*x^2-x+1)$  lgdogf  
A007679 5.46621 [  $\{a(n+3)-2*a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A007680 14.5460 [  $(x+1)/(x-1)^2$  egf]  
A007680 3.87321 [  $\{(-n^2-4*n-4)*a(n+1)+(-2*n^2-13*n-24)*a(n+2)+(2*n+6)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]  
A007680 35.6885  $-(x+3)/(x-1)/(x+1)$  lgdegf  
A007681 16.2234  $-(9+14*x+x^2)/(x-1)/(x^2+6*x+1)$  lgdegf  
A007681 8.43420 [  $-(x^2+6*x+1)/(x-1)^3$  egf]  
A007689 14.3356 [  $-(5*x-2)/(3*x-1)/(2*x-1)$  ogf]  
A007689 15.8018  $-(5-24*x+30*x^2)/(3*x-1)/(2*x-1)/(5*x-2)$  lgdogf  
A007689 7.86712 [  $\{a(n+2)-5*a(n+1)+6*a(n), a(0) = 2, a(1) = 5\}$ , ogf]  
A007690 13.4056  $[-(x^5+x^3+x^2+x)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A007696 16.0542  $-1/4*(1-3*x)^{1/3}+3/4*(1-3*x)^{1/3}*x+1/4$  revegef  
A007696 44.9518  $-1+(1-4*x)*f(x)$  lgdegf  
A007696 7.79608 [  $\{(-4*n-5)*a(n+1)+a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A007698 6.11819 [  $-(x-2)*(5*x^2+2*x+5)/(11*x^4-18*x^3+3*x^2-22*x+1)$  ogf]  
A007699 8.04491 [  $-(x-2)*(5*x^2+2*x+5)/(11*x^4-18*x^3+3*x^2-22*x+1)$  ogf]  
A007715 10.3414 [  $-(2*x^2+2*x+1)/(x-1)^5$  ogf]  
A007715 21.1497  $-(7+12*x+6*x^2)/(x-1)/(2*x^2+2*x+1)$  lgdogf  
A007715 4.46434 [  $\{(-n-4)*a(n+4)+(4-n)*a(n+3)+12*a(n+2)+(8+2*n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 27, a(3) = 75\}$ , ogf]  
A007724 4.58240 [  $\{(-54*n^3-513*n^2-1605*n-1650)*a(n+1)+(2*n^3+27*n^2+121*n+180)*a(n+2), a(0) = 2, a(1) = 12\}$ , ogf]  
A007742 14.0384 [  $-x*(3*x+5)/(x-1)^3$  ogf]  
A007742 35.8500  $-6*(x+3)/(3*x+5)/(x-1)$  lgdogf  
A007742 7.14452 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 18\}$ , ogf]  
A007744 18.7572  $-20*(1+3*x)/(6*x+1)/(4*x-1)$  lgdogf  
A007744 3.32193 [  $\{(-n-3)*a(n+3)+(16-2*n)*a(n+2)+(84+24*n)*a(n+1), a(0) = 1, a(1) = 20, a(2) = 210\}$ , ogf]  
A007750 7.50480 [  $-x*(x^2+6*x+1)/(x-1)/(x^4-16*x^2+1)$  ogf]  
A007750 7.96576  $-(7+34*x-29*x^4+3*x^6+22*x^5-196*x^3+47*x^2)/(x-1)/(x^2+6*x+1)/(x^4-16*x^2+1)$  lgdogf  
A007751 10.8016  $-2*(60-119*x+x^3+2*x^2)/(x-1)/(x+7)/(x^2-16*x+1)$  lgdogf  
A007751 4.58241 [  $\{a(n+3)-17*a(n+2)+17*a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 120\}$ , ogf]  
A007751 8.93181 [  $-x*(x+7)/(x-1)/(x^2-16*x+1)$  ogf]  
A007752 4.14703 [  $\{a(n+3)-17*a(n+2)+17*a(n+1)-a(n), a(0) = 1, a(1) = 24, a(2) = 391\}$ , ogf]  
A007752 8.82187 [  $-(7*x+1)/(x-1)/(x^2-16*x+1)$  ogf]  
A007752 9.11756  $-2*(12-17*x+7*x^3-58*x^2)/(x-1)/(7*x+1)/(x^2-16*x+1)$  lgdogf  
A007758 13.1209 [  $-2*x*(2*x+1)/(2*x-1)^3$  ogf]  
A007758 31.2878  $-8*(x+1)/(2*x-1)/(2*x+1)$  lgdogf  
A007758 6.73460 [  $\{a(n+3)-6*a(n+2)+12*a(n+1)-8*a(n), a(0) = 0, a(1) = 2, a(2) = 16\}$ , ogf]  
A007773 5.90129  $(1-x+23*x^4-70*x^6+9*x^5+12*x^3-44*x^10+4*x^2+20*x^11-14*x^7-22*x^9+98*x^8)/(x-1)/(x+1)/(4*x^10-8*x^9-2*x^8+10*x^7-3*x^5-4*x^3+2*x-1)$  lgdogf  
A007773 6.72425 [  $-(4*x^10-8*x^9-2*x^8+10*x^7-3*x^5-4*x^3+2*x-1)/(x+1)/(x-1)^4$  ogf]  
A007775 7.34904 [  $(x^8+6*x^7+4*x^6+2*x^5+4*x^4+2*x^3+4*x^2+6*x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A007780 5.48353 [  $(18*x^15+243*x^14+75*x^13+9*x^11+27*x^10+30*x^9+27*x^8+13*x^7+9*x^6+7*x^5-2*x-1)/(3*x^2-1)$  ogf]  
A007798 16.0259 [  $-2*x^2/(x-1)/(3*x-1)/(5*x-1)$  ogf]  
A007798 19.2356  $-(9-46*x+45*x^2)/(x-1)/(3*x-1)/(5*x-1)$  lgdogf  
A007798 6.72516 [  $\{a(n+3)-9*a(n+2)+23*a(n+1)-15*a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]



A007800 10.6813 [  $-(x^4-x+1)/(x^3+x^2+x-1)/(x-1)^2$  ogf]  
A007800 13.1437  $-(2+2*x+x^4+x^6+x^5+x^7)/(x-1)/(x^4-x+1)/(x^3+x^2+x-1)$  lgdogf  
A007805 10.7287 [  $-(x-1)/(x^2-18*x+1)$  ogf]  
A007805 11.2193  $-1/2*(-1-18*x+(1+32*x+320*x^2)^{(1/2)})/(1+x)$  revogf  
A007805 15.0760  $-(17-2*x+x^2)/(x-1)/(x^2-18*x+1)$  lgdogf  
A007805 5.87525 [  $\{a(n+2)-18*a(n+1)+a(n), a(0) = 1, a(1) = 17\}$ , ogf]  
A007813 6.38434 [  $(x^{15}+4*x^{14}+5*x^{13}+8*x^{12}+6*x^{11}+6*x^{10}+9*x^9+10*x^8-16*x^7-27*x^6-16*x^5-8*x^4-4*x^3-2*x^2-x-1)/(x-1)$  ogf]  
A007829 4.66267 [  $-2*x^5*(3*x^2+2*x-3)/(x-1)/(2*x^2-1)/(x^2+x-1)/(x^3+x^2-1)$  ogf]  
A007830 15.6124  $1/2*2^{(1/2)}*(\ln(2)+\ln(x+1/2))/(2+4*x)^{(1/2)}$  revegf  
A007852 23.1174  $1/2*(1-3*x+(1-2*x+5*x^2)^{(1/2)})*x$  revogf  
A007854 14.4083  $3/2*(3-12*x+(1-4*x)^{(1/2)})/(9*x-2)/(4*x-1)$  lgdogf  
A007854 16.8097  $1/2*(-1-9*x+3*(1+2*x+9*x^2)^{(1/2)})*x$  revogf  
A007854 3.98511 [  $\{(-36*x^n-54)*a(n+1)+(17*n+39)*a(n+2)+(-2*n-6)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 12\}$ , ogf]  
A007863 38.4711  $-x*(-1+x+x^2)/(1+x)$  revogf  
A007868 3.26260 [  $\{(n^3+7*n^2+16*n+12)*a(n+1)+(n+3)*a(n+2)+(-n^2-6*n-7)*a(n+3)+(n+1)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5\}$ , ogf]  
A007873 3.67950 [  $(6*x^{14}+8*x^{12}-6*x^{10}+4*x^9+2*x^8+5*x^7-3*x^6+5*x^5-5*x^4+5*x^3+3*x^2+x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(4*x^2+1)/(x^2+1)/(x^4+1)$  ogf]  
A007877 11.7691 [  $-(x+1)*x/(x-1)/(x^2+1)$  ogf]  
A007877 23.0708 [  $[x^3-2*x+2]$  ogf\_with\_Euler\_transform]  
A007877 27.6476  $-2*(1-x+x^2+x^3)/(x-1)/(x+1)/(x^2+1)$  lgdogf  
A007877 6.04360 [  $\{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A007890 3.57037 [  $(9899010*x^{12}-9900990*x^{11}-100010*x^{10}-13997020*x^9+98010*x^8-99990*x^7-1010*x^6-129990*x^5-20*x^4-1190*x^3-10*x^2-10*x-1)/(x-1)$  ogf]  
A007891 8.27620 [  $-(x^5-x^4+x^3-3*x^2+3*x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A007891 9.99495  $-2*(2-x-5*x^4-x^6+2*x^5+6*x^3+5*x^2+x^7)/(x-1)/(x^2+x+1)/(x^5-x^4+x^3-3*x^2+3*x+1)$  lgdogf  
A007892 6.30145  $-(4+14*x+17*x^4-23*x^6+9*x^5+13*x^3+8*x^{10}-15*x^2+5*x^7-5*x^9-3*x^8)/(x-1)/(x+1)/(x^2+1)/(4*x^7-3*x^6-x^5+x^4-8*x^3+5*x^2+3*x+1)$  lgdogf  
A007892 7.03386 [  $-(4*x^7-3*x^6-x^5+x^4-8*x^3+5*x^2+3*x+1)/(x-1)^3$  ogf]  
A007892 6.16035 [  $-(9*x^9-5*x^8-3*x^7-x^6+x^5-15*x^4+7*x^3+5*x^2+3*x+1)/(x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]  
A007899 11.5023 [  $-(x^4+10*x^3+20*x^2+10*x+1)/(x+1)/(x-1)^3$  ogf]  
A007899 4.40280 [  $\{(-n^2+n)*a(n)+(n^2+7*n+30)*a(n+1)+(n^2-n+18)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 12, a(2) = 44\}$ , ogf]  
A007899 9.02730  $-4*(3+16*x+3*x^4+16*x^3+25*x^2)/(x-1)/(x+1)/(x^4+10*x^3+20*x^2+10*x+1)$  lgdogf  
A007900 10.4137  $-24*(x+1)*(x^2+6*x+1)/(x-1)/(x^4+20*x^3+54*x^2+20*x+1)$  lgdogf  
A007900 6.54327 [  $(x^4+20*x^3+54*x^2+20*x+1)/(x-1)^4$  ogf]  
A007904 6.85878 [  $(x^4+2*x^3+4*x^2+2*x+1)/(x+1)/(x-1)^4$  ogf]  
A007904 9.03670  $-(5+19*x+7*x^4+x^5+22*x^3+26*x^2)/(x-1)/(x+1)/(x^4+2*x^3+4*x^2+2*x+1)$  lgdogf  
A007907 10.1875  $-(11+400*x^3-330*x^2)/(x-1)/(10*x-1)/(10*x^2-1)$  lgdogf  
A007907 11.6701 [  $-1/(x-1)/(10*x-1)/(10*x^2-1)$  ogf]  
A007907 3.63070 [  $\{a(n+4)-11*a(n+3)+110*a(n+1)-100*a(n), a(0) = 1, a(1) = 11, a(2) = 121, a(3) = 1221\}$ , ogf]  
A007908 6.45342  $144-720*x+900*x^2+(-24+324*x+600*x^3-900*x^2)*f(x)+(100*x^4+141*x^2+1-22*x-220*x^3)*f(x)^2$  lgdogf  
A007909 14.9593 [  $(x-1)/(2*x-1)/(x^2+1)$  ogf]  
A007909 18.1075  $-(-1+2*x+4*x^3-7*x^2)/(x-1)/(2*x-1)/(1+x^2)$  lgdogf  
A007909 7.07896 [  $\{-a(n+3)+2*a(n+2)-a(n+1)+2*a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
A007910 21.0629 [  $-1/(2*x-1)/(x^2+1)$  ogf]

A007910 25.5073  $-2*(1-x+3*x^2)/(2*x-1)/(1+x^2)$  lgdogf  
A007910 6.95827  $[ \{a(n+3)-2*a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 3\},$   
ogf]  
A007911 5.59250  $[ \{(n^2+8*n+16)*a(n+1)+a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 1,$   
 $a(2) = 5\},$  ogf]  
A007915 8.97831  $[-x^7+x^6+2$  ogf\_with\_Euler\_transform]  
A007928 6.71695  
 $(4+8*x^5-5*x^24+20*x^10+3*x^25-10*x^9+10*x^20-20*x^14+24*x^15-10*x^19)/(x-1)/$   
 $(x^15-x^10-2*x^5-2)/(x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)$  lgdogf  
A007928 7.62225  $[-x*(x^15-x^10-2*x^5-2)/(x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/$   
 $(x-1)^2$  ogf]  
A007929 5.33392  $-(-23-27*x-89*x^4-3*x^6-7*x^5-35*x^3-31*x^2+x^7+9*x^9+5*x^8)/$   
 $(x-1)/(x^4+x^3+x^2+x+1)/(9*x^5-2*x^4-2*x^3-2*x^2-2*x-21)$  lgdogf  
A007929 7.43469  $[ -(9*x^5-2*x^4-2*x^3-2*x^2-2*x-21)/(x^4+x^3+x^2+x+1)/(x-1)^2$   
ogf]  
A007945 10.7755  $[ (2*x^2+x-2)/(x-1)/(x^2-x+1)$  ogf]  
A007945 15.2218  $-(-3+12*x+2*x^4+2*x^3-12*x^2)/(x-1)/(x^2-x+1)/(2*x^2+x-2)$  lgdogf  
A007945 5.92166  $[ \{a(n+3)-2*a(n+2)+2*a(n+1)-a(n), a(0) = 2, a(1) = 3, a(2) = 0\},$   
ogf]  
A007946 4.97090  $[ \{(-4*n^2-26*n-40)*a(n+1)+(n^2+7*n+10)*a(n+2), a(0) = 2, a(1) =$   
 $9\},$  ogf]  
A007953 7.65481  $[ -x*(8*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/$   
 $(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A007958 5.61565  $[$   
 $-2*(5*x^21-5*x^20+5*x^16-5*x^15+5*x^11-5*x^10+5*x^6-5*x^5+4*x-5)/(x-1)^2$  ogf]  
A007971 23.5655  $-1/3+1/3*(1+6*x-3*x^2)^(1/2)$  revogf  
A007972 8.67685  $[ -(x^4-x^3-3*x^2+5*x+2)/(x-1)^5$  ogf]  
A007975 5.57490  $[ -(2*x^6+4*x^5+15*x^4-75*x^3+46*x^2+41*x+2)/(x-1)^7$  ogf]  
A007979 17.3981  $[-x^7+x^2+2*x+2$  ogf\_with\_Euler\_transform]  
A007979 5.81264  $-(2+8*x+13*x^4+13*x^6+17*x^5+17*x^3+13*x^2+9*x^7+x^9+3*x^8)/$   
 $(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^4+1)$  lgdogf  
A007979 6.49862  $[ (x^2+1)*(x^4+1)/(x+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A007980 11.5246  $[ -(x^2+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A007980 17.9391  $-(x^2+2)*(3*x^2+2*x+1)/(x-1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A007980 25.3798  $[-x^3+x^2+x+2$  ogf\_with\_Euler\_transform]  
A007981 7.35541  $[ -x^7*(x^3-x-1)/(x+1)^2/(x^2+x+1)/(x-1)^4$  ogf]  
A007982 5.45214  $[ -x^2*(x^8+x^7-x^6-x^5+2*x^4+2*x^3-3*x-2)/(x+1)^2/(x^2+x+1)/$   
 $(x-1)^4$  ogf]  
A007983 7.50349  $[ -x^2*(x^4-x-1)/(x+1)^2/(x^2+x+1)/(x-1)^4$  ogf]  
A007986 5.29504  $[ \{a(n+3)-11*a(n+2)+11*a(n+1)-121*a(n), a(0) = 2, a(1) = 12, a(2)$   
 $= 242\},$  ogf]  
A007986 9.26632  $[ -2*(66*x^2-5*x+1)/(11*x-1)/(11*x^2+1)$  ogf]  
A007988 6.82007  $[ (x^4-x^3-x^2+2)/(x+1)^2/(x^2+x+1)/(x-1)^4$  ogf]  
A007988 9.67974  $-2*(1+5*x-4*x^4-3*x^5+5*x^3+6*x^2+2*x^7)/(x-1)/(x+1)/(x^2+x+1)/$   
 $(x^4-x^3-x^2+2)$  lgdogf  
A007993 6.21413  $[ -(3*x^5-12*x^4+18*x^3-13*x^2+6*x-3)/(x-1)^6$  ogf]  
A007993 9.33872  $-(-12+4*x-9*x^4+3*x^5+6*x^3+2*x^2)/(x-1)/$   
 $(3*x^5-12*x^4+18*x^3-13*x^2+6*x-3)$  lgdogf  
A007997 10.4878  $[ -x^2*(x^2-x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A007997 16.9847  $-(1+2*x+3*x^4-2*x^3+5*x^2)/(x-1)/(1+x^2+x)/(x^2-x+1)$  lgdogf  
A007997 26.9075  $[-x^5+2*x^2+x+1$  ogf\_with\_Euler\_transform]  
A007997 4.24505  $[ \{(-n^2-5*n-8)*a(n+1)+(-2*n-4)*a(n+2)+(-2*n-4)*a(n+3)+(n^2+3*n$   
 $+4)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 1\},$  ogf]  
A008000 7.01448  $[ -(x+1)*(x^6+2*x^5+4*x^4+5*x^3+4*x^2+2*x+1)/(x^2+x+1)^2/(x-1)^3$   
ogf]  
A008000 7.38724  $-(x^2+1)*(4*x^6+16*x^5+39*x^4+53*x^3+39*x^2+16*x+4)/(x-1)/(x+1)/$   
 $(1+x^2+x)/(x^6+2*x^5+4*x^4+5*x^3+4*x^2+2*x+1)$  lgdogf  
A008013 5.16160  $[ -(x^8+3*x^6+5*x^4+3*x^2+1)*(x+1)^3/(x^4+x^3+x^2+x+1)^2/(x-1)^3$   
ogf]  
A008014 5.03493  $[ -(x^2+x+1)*(x^2-x+1)*(x^8+2*x^7+3*x^6+x^5+x^3+3*x^2+2*x+1)/(x$   
 $+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^3$  ogf]

A008039 4.39434 [  $-(x^{10}+x^9+4x^8+3x^7+6x^6+6x^5+6x^4+3x^3+4x^2+x+1)*(x+1)^3/(x^2+x+1)/(x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf ]  
A008066 5.00040 [  $-(x+1)*(x^8+x^7+2x^6+3x^5+3x^4+3x^3+2x^2+x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf ]  
A008084 6.11242 [  $-(x^4-x^3+3x^2-x+1)*(x+1)^3/(x^2+1)/(x^2+x+1)/(x-1)^3$  ogf ]  
A008084 7.74240  $-(4+2x+38x^4+25x^6+4x^5+4x^3+25x^2+2x^7+4x^8)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^4-x^3+3x^2-x+1)$  lgdogf  
A008085 5.41968 [  $-(4x^9-8x^8+5x^7-2x^6+10x^5+3x^4+7x^3+2x^2+2x+1)/(x^2+1)/(x^2+x+1)/(x-1)^3$  ogf ]  
A008105 4.39670 [  $-(x+1)*(x^2+1)*(x^8+x^5+x^4+x^3+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf ]  
A008123 20.0169 [  $x^6-2x^5+x^2-x+4$  ogf\_with\_Euler\_transform ]  
A008123 6.20350 [  $-(x^2+x+1)*(x^2-x+1)^2*(x+1)^3/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf ]  
A008123 6.32421  $-(4+6*x+19*x^4+19*x^6+12*x^5+15*x^3+4*x^{10}+13*x^2+15*x^7+6*x^9+13*x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A008130 15.7109  $-2*(1+x+3x^3+4x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A008130 26.4219 [  $2x^2-x+2$  ogf\_with\_Euler\_transform ]  
A008130 8.62088 [  $-x^3*(x+1)/(x^2+x+1)^2/(x-1)^3$  ogf ]  
A008133 12.9223 [  $-x^3*(x^2+1)/(x^2+x+1)^2/(x-1)^3$  ogf ]  
A008133 20.6413  $-(1+3x+5x^4+x^3+8x^2)/(x-1)/(1+x^2)/(x^2+x+1)$  lgdogf  
A008133 30.0480 [  $-x^3+2x^2+x+1$  ogf\_with\_Euler\_transform ]  
A008137 16.7489 [  $-x^5+x^4-x^3+x^2-x+4$  ogf\_with\_Euler\_transform ]  
A008137 7.05185 [  $-(x^2+1)*(x^2-x+1)*(x+1)^3/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf ]  
A008137 8.01484  $-(4+2x+18x^4+11x^6+4x^5+4x^3+11x^2+2x^7+4x^8)/(x-1)/(x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(1+x^2)$  lgdogf  
A008160 5.48979 [  $-(x^6+2x^4+x^3+2x^2+1)*(x+1)^3/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf ]  
A008217 17.1067  $-(1-5x^4+6x^5+6x^3+4x^2)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)$  lgdogf  
A008217 26.7282 [  $-x^5+2x^3+x^2+1$  ogf\_with\_Euler\_transform ]  
A008217 9.82363 [  $-x^4*(x^2-x+1)/(x+1)/(x^2+1)^2/(x-1)^3$  ogf ]  
A008218 7.84748 [  $x^4*(x^6+x^4+2x^3+x^2+1)/(x+1)^3/(x^2+1)^3/(x-1)^4$  ogf ]  
A008218 9.41698  $-(1+3x+4x^4+22x^6+20x^5+20x^3+8x^2+10x^7+7x^9+x^8)/(x-1)/(x+1)/(x^2+1)/(x^6+x^4+2x^3+x^2+1)$  lgdogf  
A008233 5.28175 [  $-x^4*(x^6+x^4+2x^3+x^2+1)/(x+1)^3/(x^2+1)^3/(x-1)^5$  ogf ]  
A008233 8.05337  $-2*(1+2x+4x^4+13x^6+12x^5+12x^3+5x^2+6x^7+4x^9+x^8)/(x-1)/(x+1)/(x^2+1)/(x^6+x^4+2x^3+x^2+1)$  lgdogf  
A008238 18.4782  $-2*(1+x^2+4x^3)/(x-1)/(x+1)/(x^2+1)$  lgdogf  
A008238 22.8335 [  $[2x^3-x+2]$  ogf\_with\_Euler\_transform ]  
A008238 8.63918 [  $-x^4/(x+1)/(x^2+1)^2/(x-1)^3$  ogf ]  
A008239 4.92698 [  $-(x+1)*(x^4+x^3-x^2+x+1)*(x^2+1)^2/(x^2+x+1)/(x^4+1)/(x-1)^3$  ogf ]  
A008249 5.21634 [  $(x^{11}+x^{10}+x^9-x^8-6x^7-12x^6-15x^5-16x^4-10x^3-7x^2-3x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^3$  ogf ]  
A008250 5.21634 [  $(x^{11}+x^{10}+3x^9-3x^8-8x^7-12x^6-13x^5-14x^4-12x^3-7x^2-3x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^3$  ogf ]  
A008253 10.7589 [  $-(x^4+2x^3+4x^2+2x+1)/(x+1)/(x-1)^3$  ogf ]  
A008253 13.5492  $-4*(x^2+x+1)*(x^2+3x+1)/(x-1)/(x+1)/(x^4+2x^3+4x^2+2x+1)$  lgdogf  
A008254 6.12458 [  $-(x+1)*(2x^8-4x^7+3x^6+8x^4+4x^3+4x^2+2x+1)/(x^2+x+1)^2/(x-1)^3$  ogf ]  
A008255 10.3232  $-2*(2+4x+13x^4+2x^6+4x^5+7x^3+13x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^4+3x^2+1)$  lgdogf  
A008255 6.89659 [  $-(x^4+3x^2+1)*(x+1)^3/(x^2+x+1)^2/(x-1)^3$  ogf ]  
A008258 6.06299 [  $-(2x^9-2x^8+x^7-x^6+12x^5+10x^4+12x^3+6x^2+3x+1)/(x^2+x+1)^2/(x-1)^3$  ogf ]  
A008259 6.92913 [  $-(x+1)*(x^6+2x^5+5x^4+6x^3+5x^2+2x+1)/(x^2+x+1)^2/(x-1)^3$

ogf]

A008259 7.42276  $-2*(x^2+1)*(2*x^6+9*x^5+23*x^4+31*x^3+23*x^2+9*x+2)/(x-1)/(x+1)/(x^2+x+1)/(x^6+2*x^5+5*x^4+6*x^3+5*x^2+2*x+1)$  lgdogf

A008260 6.34023  $-(x^2+x+1)*(4*x^8+8*x^7+15*x^6+19*x^5+18*x^4+19*x^3+15*x^2+8*x+4)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+2*x^4+3*x^3+2*x^2+x+1)$  lgdogf

A008260 7.01448  $[-(x+1)*(x^6+x^5+2*x^4+3*x^3+2*x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]

A008261 6.42702  $[-(2*x^8-2*x^7-x^6+3*x^5+11*x^4+14*x^3+7*x^2+3*x+1)/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]

A008264 7.59768  $-(4+16*x+50*x^4+31*x^6+50*x^5+50*x^3+31*x^2+16*x^7+4*x^8)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^4+x^3+3*x^2+x+1)$  lgdogf

A008264 7.60034  $[-(x^2+x+1)*(x^4+x^3+3*x^2+x+1)/(x+1)/(x^2+1)/(x-1)^3$  ogf]

A008265 5.18595  $[-(x+1)*(x^{10}+2*x^9+5*x^8+6*x^7+9*x^6+11*x^5+9*x^4+6*x^3+5*x^2+2*x+1)/(x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]

A008266 6.07008  $-2*(2+5*x+33*x^4+33*x^6+38*x^5+25*x^3+2*x^{10}+15*x^2+25*x^7+5*x^9+15*x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2+1)/(x^6+x^5+2*x^4+3*x^3+2*x^2+x+1)$  lgdogf

A008266 6.23277  $[-(x+1)*(x^6+x^5+2*x^4+3*x^3+2*x^2+x+1)/(x^2+1)/(x^2+x+1)/(x-1)^3$  ogf]

A008340 3.38469  $[(x^8+232*x^7+24508*x^6+107224*x^5+133510*x^4+55384*x^3+7228*x^2+232*x+1)/(x-1)^8$  ogf]

A008343 5.75522  $[-(44*x^{24}+46*x^{23}+14*x^9+16*x^8+4*x^4+6*x^3+x^2+x+1)/(x-1)/(x+1)^2$  ogf]

A008346 15.2491  $[-1/(x^2+x-1)/(x+1)$  ogf]

A008346 21.2938  $-x*(4+3*x)/(x+1)/(x^2+x-1)$  lgdogf

A008346 6.06686  $[{-a(n+3)+2*a(n+1)+a(n), a(0) = 1, a(1) = 0, a(2) = 2},$  ogf]

A008349 3.02726  $[-(x^8+232*x^7+24508*x^6+107224*x^5+133510*x^4+55384*x^3+7228*x^2+232*x+1)/(x-1)^9$  ogf]

A008353 11.5982  $[-(8*x^2-4*x+1)/(4*x-1)/(2*x-1)^2$  ogf]

A008353 6.35379  $[{a(n+3)-8*a(n+2)+20*a(n+1)-16*a(n), a(0) = 1, a(1) = 4, a(2) = 20},$  ogf]

A008353 9.13356  $-4*(-1+4*x+16*x^3-8*x^2)/(2*x-1)/(4*x-1)/(8*x^2-4*x+1)$  lgdogf

A008354 12.3478  $-2*(7+27*x+x^3+15*x^2)/(x-1)/(x+1)/(x^2+8*x+1)$  lgdogf

A008354 4.58071  $[{(-n^2-4*n-4)*a(n+1)+(2*n^2+8*n+20)*a(n+2)+(-n^2-4*n-4)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 14},$  ogf]

A008354 8.80905  $[-x*(x+1)*(x^2+8*x+1)/(x-1)^5$  ogf]

A008355 5.23090  $[-(x+1)*(x^4+34*x^3+146*x^2+34*x+1)/(x-1)^5$  ogf]

A008355 7.95907  $-20*(2*x+1)*(x+2)*(x^2+10*x+1)/(x-1)/(x+1)/(x^4+34*x^3+146*x^2+34*x+1)$  lgdogf

A008356 4.55161  $[(x+1)*(x^4+34*x^3+146*x^2+34*x+1)/(x-1)^6$  ogf]

A008356 6.63770  $-(41+535*x+75*x^4+x^5+680*x^3+1260*x^2)/(x-1)/(x+1)/(x^4+34*x^3+146*x^2+34*x+1)$  lgdogf

A008357 4.13983  $[(x^6+54*x^5+447*x^4+852*x^3+447*x^2+54*x+1)/(x-1)^6$  ogf]

A008357 5.81299  $-12*(x+1)*(5*x^4+92*x^3+270*x^2+92*x+5)/(x-1)/(x^6+54*x^5+447*x^4+852*x^3+447*x^2+54*x+1)$  lgdogf

A008358 4.07385  $[-(x^6+54*x^5+447*x^4+852*x^3+447*x^2+54*x+1)/(x-1)^7$  ogf]

A008358 5.40174  $-(61+1218*x+1611*x^4+x^6+114*x^5+5196*x^3+4791*x^2)/(x-1)/(x^6+54*x^5+447*x^4+852*x^3+447*x^2+54*x+1)$  lgdogf

A008359 3.43274  $[-(x+1)*(x^6+76*x^5+855*x^4+2008*x^3+855*x^2+76*x+1)/(x-1)^7$  ogf]

A008360 3.88959  $[(x+1)*(x^6+76*x^5+855*x^4+2008*x^3+855*x^2+76*x+1)/(x-1)^8$  ogf]

A008363 11.5513  $-2*(1+x+6*x^4+5*x^5+x^3+x^2)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)$  lgdogf

A008363 22.8641  $[{2*x^4-x+2}$  ogf\_with\_Euler\_transform]

A008363 8.42927  $[-x^5*(x+1)/(x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]

A008376 3.99529  $[-(x+1)*(x^8+134*x^7+2800*x^6+15386*x^5+27742*x^4+15386*x^3+2800*x^2+134*x+1)/(x-1)^3$  ogf]

$(x-1)^9$  ogf]  
A008377 3.54932 [  $(x+1)*(x^8+134*x^7+2800*x^6+15386*x^5+27742*x^4+15386*x^3+2800*x^2+134*x+1)/(x-1)^{10}$  ogf]  
A008378 3.20365 [  $(x^{10}+170*x^9+4685*x^8+38200*x^7+124850*x^6+183356*x^5+124850*x^4+38200*x^3+4685*x^2+170*x+1)/(x-1)^{10}$  ogf]  
A008379 5.26937 [ -  $(x^{10}+170*x^9+4685*x^8+38200*x^7+124850*x^6+183356*x^5+124850*x^4+38200*x^3+4685*x^2+170*x+1)/(x-1)^{11}$  ogf]  
A008383 14.6443  $-20*(x+1)*(1+x^2+5*x)/(x-1)/(x^4+16*x^3+36*x^2+16*x+1)$  lgdogf  
A008383 5.75168 [  $\{-n^2*a(n)+(2*n^2+4*n+22)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 20\}$ , ogf]  
A008383 9.15040 [  $(x^4+16*x^3+36*x^2+16*x+1)/(x-1)^4$  ogf]  
A008384 5.58274 [  $-(x^4+16*x^3+36*x^2+16*x+1)/(x-1)^5$  ogf]  
A008384 8.47502  $-(21+136*x+x^4+36*x^3+156*x^2)/(x-1)/(x^4+16*x^3+36*x^2+16*x+1)$  lgdogf  
A008385 5.17551 [  $\{-n^2*a(n)+(2*n^2+4*n+32)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 30\}$ , ogf]  
A008385 6.64745 [  $-(x+1)*(x^4+24*x^3+76*x^2+24*x+1)/(x-1)^5$  ogf]  
A008385 7.88555  $-30*(1+10*x+x^4+10*x^3+20*x^2)/(x-1)/(x+1)/$   
 $(x^4+24*x^3+76*x^2+24*x+1)$  lgdogf  
A008386 4.69192 [  $(x+1)*(x^4+24*x^3+76*x^2+24*x+1)/(x-1)^6$  ogf]  
A008386 7.02301  $-(31+325*x+55*x^4+x^5+400*x^3+700*x^2)/(x-1)/(x+1)/$   
 $(x^4+24*x^3+76*x^2+24*x+1)$  lgdogf  
A008387 4.99830 [  $\{-n^2*a(n)+(2*n^2+4*n+44)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 42\}$ , ogf]  
A008387 5.46689 [  $(x^6+36*x^5+225*x^4+400*x^3+225*x^2+36*x+1)/(x-1)^6$  ogf]  
A008387 5.83347  $-42*(x+1)*(x^4+14*x^3+36*x^2+14*x+1)/(x-1)/$   
 $(x^6+36*x^5+225*x^4+400*x^3+225*x^2+36*x+1)$  lgdogf  
A008388 3.93653 [  $-(x^6+36*x^5+225*x^4+400*x^3+225*x^2+36*x+1)/(x-1)^7$  ogf]  
A008388 5.37513  $-(43+666*x+855*x^4+x^6+78*x^5+2500*x^3+2325*x^2)/(x-1)/$   
 $(x^6+36*x^5+225*x^4+400*x^3+225*x^2+36*x+1)$  lgdogf  
A008389 4.32064 [  $-(x+1)*(x^6+48*x^5+393*x^4+832*x^3+393*x^2+48*x+1)/(x-1)^7$  ogf]  
A008389 4.59840 [  $\{-n^2*a(n)+(2*n^2+4*n+58)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 56\}$ , ogf]  
A008390 3.48231 [  $(x+1)*(x^6+48*x^5+393*x^4+832*x^3+393*x^2+48*x+1)/(x-1)^8$  ogf]  
A008391 4.47266 [  $(x^8+64*x^7+784*x^6+3136*x^5+4900*x^4+3136*x^3+784*x^2+64*x+1)/(x-1)^8$  ogf]  
A008391 5.39914 [  $\{-n^2*a(n)+(2*n^2+4*n+74)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 72\}$ , ogf]  
A008391 6.08891  $-72*(x+1)*(x^6+27*x^5+169*x^4+321*x^3+169*x^2+27*x+1)/(x-1)/$   
 $(x^8+64*x^7+784*x^6+3136*x^5+4900*x^4+3136*x^3+784*x^2+64*x+1)$  lgdogf  
A008393 3.17030 [  $-(x+1)*(x^8+80*x^7+1216*x^6+5840*x^5+10036*x^4+5840*x^3+1216*x^2+80*x+1)/(x-1)^9$  ogf]  
A008393 4.41577 [  $\{-n^2*a(n)+(2*n^2+4*n+92)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 90\}$ , ogf]  
A008395 4.65833 [  $\{-n^2*a(n)+(2*n^2+4*n+112)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 110\}$ , ogf]  
A008395 4.82834 [  $(x^{10}+100*x^9+2025*x^8+14400*x^7+44100*x^6+63504*x^5+44100*x^4+14400*x^3+2025*x^2+100*x+1)/(x-1)^{10}$  ogf]  
A008397 3.25027 [  $-(x^7+119*x^6+2037*x^5+8787*x^4+8211*x^3+2037*x^2+119*x+1)/(x-1)^7$  ogf]  
A008398 3.16216 [  $(x^7+119*x^6+2037*x^5+8787*x^4+8211*x^3+2037*x^2+119*x+1)/(x-1)^8$  ogf]  
A008399 6.08202 [  $(x^6+66*x^5+645*x^4+1384*x^3+645*x^2+66*x+1)/(x-1)^6$  ogf]  
A008399 6.09078  $-36*(x+1)*(x^2+4*x+1)*(2*x^2+35*x+2)/(x-1)/$   
 $(x^6+66*x^5+645*x^4+1384*x^3+645*x^2+66*x+1)$  lgdogf

A008400 3.85260 [  $-(x^6+66x^5+645x^4+1384x^3+645x^2+66x+1)/(x-1)^7$  ogf]  
A008400 5.09112 [  $-(73+1686x+2265x^2+138x^3+8116x^4+7377x^5)/(x-1)/(x^6+66x^5+645x^4+1384x^3+645x^2+66x+1)$  lgdogf]  
A008401 4.13204 [  $(x^6+48x^5+519x^4+1024x^3+519x^2+48x+1)/(x-1)^6$  ogf]  
A008401 5.78324 [  $-18(x+1)(3x^4+68x^3+218x^2+68x+3)/(x-1)/(x^6+48x^5+519x^4+1024x^3+519x^2+48x+1)$  lgdogf]  
A008402 3.78541 [  $-(x^6+48x^5+519x^4+1024x^3+519x^2+48x+1)/(x-1)^7$  ogf]  
A008402 5.00021 [  $-(55+1326x+1797x^2+102x^3+6172x^4+5667x^5)/(x-1)/(x^6+48x^5+519x^4+1024x^3+519x^2+48x+1)$  lgdogf]  
A008405 33.6923 [  $-(\ln(x+1)-1)/(x+1)^2$  lgdegf]  
A008412 35.2495 [[8-4\*x] ogf\_with\_Euler\_transform]  
A008412 39.8560 [  $-8/(x-1)/(x+1)$  lgdogf]  
A008412 7.03496 [  $\{(n+2)a(n+2)-8a(n+1)-n^2a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A008412 8.77301 [  $(x+1)^4/(x-1)^4$  ogf]  
A008413 31.6643 [[10-5\*x] ogf\_with\_Euler\_transform]  
A008413 37.2648 [  $-10/(x-1)/(x+1)$  lgdogf]  
A008413 6.50740 [  $\{(n+2)a(n+2)-10a(n+1)-n^2a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A008413 6.69332 [  $-(x+1)^5/(x-1)^5$  ogf]  
A008414 30.3057 [[12-6\*x] ogf\_with\_Euler\_transform]  
A008414 37.1331 [  $-12/(x-1)/(x+1)$  lgdogf]  
A008414 5.47511 [  $(x+1)^6/(x-1)^6$  ogf]  
A008414 6.23554 [  $\{(n+2)a(n+2)-12a(n+1)-n^2a(n), a(0) = 1, a(1) = 12\}$ , ogf]  
A008415 29.6625 [[14-7\*x] ogf\_with\_Euler\_transform]  
A008415 33.4755 [  $-14/(x-1)/(x+1)$  lgdogf]  
A008415 4.67926 [  $-(x+1)^7/(x-1)^7$  ogf]  
A008415 6.10904 [  $\{(n+2)a(n+2)-14a(n+1)-n^2a(n), a(0) = 1, a(1) = 14\}$ , ogf]  
A008416 30.0634 [[16-8\*x] ogf\_with\_Euler\_transform]  
A008416 35.8060 [  $-16/(x-1)/(x+1)$  lgdogf]  
A008416 4.20790 [  $(x+1)^8/(x-1)^8$  ogf]  
A008416 6.19496 [  $\{(n+2)a(n+2)-16a(n+1)-n^2a(n), a(0) = 1, a(1) = 16\}$ , ogf]  
A008417 39.7322 [[17-8\*x] ogf\_with\_Euler\_transform]  
A008417 45.7263 [  $-(17+x)/(x-1)/(x+1)$  lgdogf]  
A008417 5.19138 [  $-(x+1)^8/(x-1)^9$  ogf]  
A008417 6.39518 [  $\{(-n-3)a(n+3)+17a(n+2)+(n+2)a(n+1), a(0) = 1, a(1) = 17, a(2) = 145\}$ , ogf]  
A008418 28.3135 [[18-9\*x] ogf\_with\_Euler\_transform]  
A008418 3.48564 [  $-(x+1)^9/(x-1)^9$  ogf]  
A008418 33.3146 [  $-18+(1-x^2)*f(x)$  lgdogf]  
A008418 5.84167 [  $\{(n+2)a(n+2)-18a(n+1)-n^2a(n), a(0) = 1, a(1) = 18\}$ , ogf]  
A008419 3.78349 [  $(x+1)^9/(x-1)^{10}$  ogf]  
A008419 33.3215 [[19-9\*x] ogf\_with\_Euler\_transform]  
A008419 38.3358 [  $-(19+x)/(x-1)/(x+1)$  lgdogf]  
A008419 5.37365 [  $\{(-n-3)a(n+3)+19a(n+2)+(n+2)a(n+1), a(0) = 1, a(1) = 19, a(2) = 181\}$ , ogf]  
A008420 26.5835 [[20-10\*x] ogf\_with\_Euler\_transform]  
A008420 32.0689 [  $-20/(x-1)/(x+1)$  lgdogf]  
A008420 5.73815 [  $\{(n+2)a(n+2)-20a(n+1)-n^2a(n), a(0) = 1, a(1) = 20\}$ , ogf]  
A008421 3.30213 [  $-(x+1)^{10}/(x-1)^{11}$  ogf]  
A008421 31.4890 [[21-10\*x] ogf\_with\_Euler\_transform]  
A008421 37.8968 [  $-(21+x)/(x-1)/(x+1)$  lgdogf]  
A008421 5.31212 [  $\{(-n-3)a(n+3)+21a(n+2)+(n+2)a(n+1), a(0) = 1, a(1) = 21, a(2) = 221\}$ , ogf]  
A008437 17.0294 [  $3x^7/(x^8+1)$  ogf\_with\_Euler\_transform]  
A008438 33.8736 [  $-4/(-x-1)$  ogf\_with\_Euler\_transform]  
A008439 34.3028 [  $-5/(-x-1)$  ogf\_with\_Euler\_transform]  
A008440 31.7011 [  $-6/(-x-1)$  ogf\_with\_Euler\_transform]  
A008441 32.8823 [  $-2/(-x-1)$  ogf\_with\_Euler\_transform]  
A008442 18.0146 [  $2x^3/(x^4+1)$  ogf\_with\_Euler\_transform]  
A008443 36.4221 [  $-3/(-x-1)$  ogf\_with\_Euler\_transform]  
A008451 11.7909 [  $-(7x^2-7x+14)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A008452 11.5205 [  $-(9x^2-9x+18)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]

A008453 10.9338  $[-(11x^2-11x+22)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A008454 5.63937  $[-x*(x+1)*(x^8+1012x^7+46828x^6+408364x^5+901990x^4+408364x^3+46828x^2+1012x+1)/(x-1)^{11}$  ogf]  
A008458 16.9256  $[(x^2+4x+1)/(x-1)^2$  ogf]  
A008458 33.8749  $-6*(x+1)/(x-1)/(x^2+4x+1)$  lgdogf  
A008458 8.70931  $[-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 6, a(2) = 12]$ , ogf]  
A008461 10.6379  $(49+96x+315x^2+36x^3-546x^4+51x^5)/(x-1)/(9x^5+120x^4-33x^3-48x^2-42x-7)$  lgdogf  
A008461 12.0336  $[(9x^5+120x^4-33x^3-48x^2-42x-7)/(x-1)$  ogf]  
A008462 6.39402  $[(27x^{12}-8x^{11}+36x^{10}+60x^9-12x^8-42x^7-145x^6-89x^5-85x^4-29x^3-52x^2-64x-8)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A008463 6.93771  $[(45x^{11}+61x^{10}+61x^9-33x^8-145x^7-89x^6-58x^5-37x^4-61x^3-65x^2-81x-9)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A008464 10.1317  $-(-5+22x+32x^2-32x^3)/(2x-1)/(4x-1)/(4x^2-3x+1)$  lgdogf  
A008464 4.86503  $[a(n+3)-8a(n+2)+20a(n+1)-16a(n), a(0) = 1, a(1) = 5, a(2) = 24]$ , ogf]  
A008464 8.88060  $[-(4x^2-3x+1)/(4x-1)/(2x-1)^2$  ogf]  
A008465 2.99580  $[(1056x^5-1104x^4+464x^3-104x^2+14x-1)/(4x-1)^4/(2x-1)^5$  ogf]  
A008466 17.1616  $[x^2/(2x-1)/(x^2+x-1)$  ogf]  
A008466 23.1885  $-(-3+2x+6x^2)/(2x-1)/(x^2+x-1)$  lgdogf  
A008466 7.02066  $[-a(n+3)+3a(n+2)-a(n+1)-2a(n), a(0) = 0, a(1) = 0, a(2) = 1]$ , ogf]  
A008483 21.3876  $[-x^2/(x-1)$  ogf\_with\_Euler\_transform]  
A008484 27.4834  $[-x^3/(x-1)$  ogf\_with\_Euler\_transform]  
A008486 16.9634  $[(x^2+x+1)/(x-1)^2$  ogf]  
A008486 35.8235  $[[-x^2+3]$  ogf\_with\_Euler\_transform]  
A008486 36.7703  $-3*(x+1)/(x-1)/(x^2+x+1)$  lgdogf  
A008486 8.81430  $[-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 3, a(2) = 6]$ , ogf]  
A008487 18.2600  $-5*(x+1)*(1+x^2)/(x-1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A008487 32.8915  $[[-x^4+5]$  ogf\_with\_Euler\_transform]  
A008487 4.05620  $[{(n^2+5n)*a(n)+(-2n^2-4n+18)*a(n+1)+(n^2-n-6)*a(n+2), a(0) = 1, a(1) = 5, a(2) = 15, a(3) = 35, a(4) = 70, a(5) = 125}]$ , ogf]  
A008487 9.73487  $[(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A008488 10.7642  $-6*(x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A008488 3.73047  $[{(n^2+6n)*a(n)+(-2n^2-4n+28)*a(n+1)+(n^2-2n-8)*a(n+2), a(0) = 1, a(1) = 6, a(2) = 21, a(3) = 56, a(4) = 126, a(5) = 252, a(6) = 461}]$ , ogf]  
A008488 32.4473  $[[-x^5+6]$  ogf\_with\_Euler\_transform]  
A008488 7.93179  $[-(x+1)*(x^2+x+1)*(x^2-x+1)/(x-1)^5$  ogf]  
A008489 31.4293  $[[-x^6+7]$  ogf\_with\_Euler\_transform]  
A008489 6.59965  $[(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^6$  ogf]  
A008489 9.58005  $-7*(x+1)*(x^2+x+1)*(x^2-x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A008490 31.1889  $[[-x^7+8]$  ogf\_with\_Euler\_transform]  
A008490 5.73999  $[-(x+1)*(x^2+1)*(x^4+1)/(x-1)^7$  ogf]  
A008490 9.41669  $-8*(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(1+x^2)/(1+x^4)$  lgdogf  
A008491 10.8382  $-9*(x+1)*(1+x^2)*(1+x^4)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  lgdogf  
A008491 37.7930  $[-x^8+9$  ogf\_with\_Euler\_transform]  
A008491 5.19936  $[(x^2+x+1)*(x^6+x^3+1)/(x-1)^8$  ogf]  
A008492 34.3212  $[-x^9+10$  ogf\_with\_Euler\_transform]  
A008492 4.40662  $[-(x+1)*(x^4+x^3+x^2+x+1)*(x^4-x^3+x^2-x+1)/(x-1)^9$  ogf]  
A008492 7.09917  $-10*(x^2+x+1)*(x^6+x^3+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
A008493 3.85009  $[(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^{10}$  ogf]  
A008493 32.6482  $[-x^{10}+11$  ogf\_with\_Euler\_transform]  
A008493 5.37564  $-11*(x+1)*(x^4+x^3+x^2+x+1)*(x^4-x^3+x^2-x+1)/(x-1)/(1+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x)$  lgdogf  
A008494 3.46041  $[-(x+1)*(x^2+1)*(x^2+x+1)*(x^2-x+1)*(x^4-x^2+1)/(x-1)^{11}$  ogf]

A008494 32.3079 [-x<sup>11</sup>+12 ogf\_with\_Euler\_transform]  
A008495 14.3849 169+(-26+26\*x)\*f(x)+(x<sup>2</sup>+1-2\*x)\*f(x)<sup>2</sup> lgdogf  
A008496 5.05089 -(1+x  
+24\*x<sup>4</sup>+4\*x<sup>6</sup>+4\*x<sup>5</sup>+10\*x<sup>3</sup>+x<sup>10</sup>+4\*x<sup>2</sup>+x<sup>11</sup>+8\*x<sup>12</sup>+24\*x<sup>7</sup>+12\*x<sup>9</sup>+26\*x<sup>8</sup>)/(x-1)/  
(x<sup>2</sup>+x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>6</sup>-x<sup>5</sup>+2\*x<sup>3</sup>-x+1) lgdogf  
A008496 5.30637 [ x<sup>5</sup>\*(x<sup>2</sup>+x+1)\*(x<sup>6</sup>-x<sup>5</sup>+2\*x<sup>3</sup>-x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)<sup>3</sup>/(x-1)<sup>4</sup>  
ogf]  
A008497 18.1074 [-x<sup>7</sup>+2\*x<sup>4</sup>+x<sup>3</sup>+1 ogf\_with\_Euler\_transform]  
A008497 8.51638 [ -x<sup>5</sup>\*(x<sup>4</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>3</sup> ogf]  
A008497 9.27221 -(1+x+12\*x<sup>4</sup>+x<sup>6</sup>+x<sup>5</sup>+5\*x<sup>3</sup>+x<sup>2</sup>+x<sup>7</sup>+7\*x<sup>8</sup>)/(x-1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x  
+1)/(x<sup>4</sup>+1) lgdogf  
A008498 11.5182 -(6+6\*x+6\*x<sup>2</sup>+6\*x<sup>3</sup>+x<sup>4</sup>)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x-1) lgdogf  
A008498 22.4479 [[-x<sup>4</sup>+6] ogf\_with\_Euler\_transform]  
A008498 5.96429 [ -(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x-1)<sup>5</sup> ogf]  
A008499 23.1670 [[-x<sup>5</sup>+7] ogf\_with\_Euler\_transform]  
A008499 5.22327 [ (x+1)\*(x<sup>2</sup>+x+1)\*(x<sup>2</sup>-x+1)/(x-1)<sup>6</sup> ogf]  
A008499 9.21615 -(7+7\*x+7\*x<sup>2</sup>+7\*x<sup>3</sup>+7\*x<sup>4</sup>+x<sup>5</sup>)/(x-1)/(x+1)/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)  
lgdogf  
A008500 26.6654 [[-x<sup>6</sup>+8] ogf\_with\_Euler\_transform]  
A008500 5.21753 [ -(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x-1)<sup>7</sup> ogf]  
A008500 9.69597 -(8+8\*x+8\*x<sup>2</sup>+8\*x<sup>3</sup>+8\*x<sup>4</sup>+8\*x<sup>5</sup>+x<sup>6</sup>)/(x-1)/  
(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1) lgdogf  
A008501 22.6764 [[-x<sup>7</sup>+9] ogf\_with\_Euler\_transform]  
A008501 3.92792 [ (x+1)\*(x<sup>2</sup>+1)\*(x<sup>4</sup>+1)/(x-1)<sup>8</sup> ogf]  
A008501 8.00418 -(9+9\*x+9\*x<sup>2</sup>+9\*x<sup>3</sup>+9\*x<sup>4</sup>+9\*x<sup>5</sup>+9\*x<sup>6</sup>+x<sup>7</sup>)/(x-1)/(x+1)/(x<sup>2</sup>+1)/  
(x<sup>4</sup>+1) lgdogf  
A008502 23.8354 [-x<sup>8</sup>+10 ogf\_with\_Euler\_transform]  
A008502 6.16952 -(10+10\*x+10\*x<sup>2</sup>+10\*x<sup>3</sup>+10\*x<sup>4</sup>+10\*x<sup>5</sup>+10\*x<sup>6</sup>+10\*x<sup>7</sup>+x<sup>8</sup>)/(x-1)/  
(x<sup>2</sup>+x+1)/(x<sup>6</sup>+x<sup>3</sup>+1) lgdogf  
A008506 13.9447 196+(-28+28\*x)\*f(x)+(x<sup>2</sup>+1-2\*x)\*f(x)<sup>2</sup> lgdogf  
A008511 13.3008 -16\*(1+4\*x+x<sup>2</sup>)/(x-1)/(x+1)/(x<sup>2</sup>+10\*x+1) lgdogf  
A008511 21.4594 [[-x<sup>2</sup>+5] ogf\_with\_Euler\_transform]  
A008511 7.13336 [ 16\*x\*(x<sup>2</sup>+x+1)/(x-1)<sup>4</sup> ogf]  
A008512 5.53877 [ -2\*(16\*x<sup>4</sup>+41\*x<sup>3</sup>+51\*x<sup>2</sup>+11\*x+1)/(x-1)<sup>5</sup> ogf]  
A008512 7.61753 -4\*(8+73\*x+8\*x<sup>4</sup>+73\*x<sup>3</sup>+138\*x<sup>2</sup>)/(x-1)/(x+1)/  
(x<sup>4</sup>+26\*x<sup>3</sup>+66\*x<sup>2</sup>+26\*x+1) lgdogf  
A008513 4.51403 [ 8\*x\*(8\*x<sup>4</sup>+43\*x<sup>3</sup>+78\*x<sup>2</sup>+43\*x+8)/(x-1)<sup>6</sup> ogf]  
A008513 7.04411 -16\*(4+59\*x+4\*x<sup>4</sup>+59\*x<sup>3</sup>+144\*x<sup>2</sup>)/(x-1)/(x+1)/  
(x<sup>4</sup>+56\*x<sup>3</sup>+246\*x<sup>2</sup>+56\*x+1) lgdogf  
A008514 11.8800 -(17+75\*x+x<sup>3</sup>+27\*x<sup>2</sup>)/(x-1)/(x+1)/(x<sup>2</sup>+10\*x+1) lgdogf  
A008514 5.71235 [ -(x<sup>2</sup>+10\*x+1)\*(x+1)<sup>2</sup>/(x-1)<sup>5</sup> ogf]  
A008515 13.6055 -(33+319\*x+59\*x<sup>4</sup>+x<sup>5</sup>+384\*x<sup>3</sup>+644\*x<sup>2</sup>)/(x-1)/(x+1)/  
(x<sup>4</sup>+26\*x<sup>3</sup>+66\*x<sup>2</sup>+26\*x+1) lgdogf  
A008515 9.15672 [ (x+1)\*(x<sup>4</sup>+26\*x<sup>3</sup>+66\*x<sup>2</sup>+26\*x+1)/(x-1)<sup>6</sup> ogf]  
A008516 4.02807 [ -(x<sup>4</sup>+56\*x<sup>3</sup>+246\*x<sup>2</sup>+56\*x+1)\*(x+1)<sup>2</sup>/(x-1)<sup>7</sup> ogf]  
A008516 6.57688 -(65+1001\*x+121\*x<sup>4</sup>+x<sup>5</sup>+1246\*x<sup>3</sup>+2606\*x<sup>2</sup>)/(x-1)/(x+1)/  
(x<sup>4</sup>+56\*x<sup>3</sup>+246\*x<sup>2</sup>+56\*x+1) lgdogf  
A008522 12.9302 [ -(x<sup>5</sup>+3\*x<sup>3</sup>-4\*x<sup>2</sup>+x-2)/(x-1)<sup>2</sup> ogf]  
A008522 14.8337 (3+7\*x-5\*x<sup>4</sup>+3\*x<sup>5</sup>+3\*x<sup>3</sup>-9\*x<sup>2</sup>)/(x-1)/(x<sup>5</sup>+3\*x<sup>3</sup>-4\*x<sup>2</sup>+x-2)  
lgdogf  
A008527 14.1593 -2\*(5+14\*x+5\*x<sup>2</sup>)/(x-1)/(x+1)/(x<sup>2</sup>+6\*x+1) lgdogf  
A008527 4.40640 [{a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 10, a(2) =  
34, a(3) = 74}, ogf]  
A008527 8.62122 [ -(x+1)\*(x<sup>2</sup>+6\*x+1)/(x-1)<sup>3</sup> ogf]  
A008528 6.39022 [ (x<sup>4</sup>+14\*x<sup>3</sup>+36\*x<sup>2</sup>+14\*x+1)/(x-1)<sup>4</sup> ogf]  
A008528 9.80125 -6\*(x+1)\*(3\*x<sup>2</sup>+16\*x+3)/(x-1)/(x<sup>4</sup>+14\*x<sup>3</sup>+36\*x<sup>2</sup>+14\*x+1) lgdogf  
A008529 13.4389 -2\*(7+26\*x+7\*x<sup>2</sup>)/(x-1)/(x+1)/(x<sup>2</sup>+8\*x+1) lgdogf  
A008529 6.41590 [ (x<sup>2</sup>+8\*x+1)\*(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A008530 20.2812 -12\*(x+1)/(x-1)/(x<sup>2</sup>+4\*x+1) lgdogf  
A008530 6.52556 [ (x<sup>2</sup>+4\*x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A008531 14.9701 -10\*(x+1)\*(x<sup>2</sup>+4\*x+1)/(x-1)/(x<sup>4</sup>+6\*x<sup>3</sup>+16\*x<sup>2</sup>+6\*x+1) lgdogf



A008531 9.22087 [  $(x^4+6x^3+16x^2+6x+1)/(x-1)^4$  ogf]  
A008532 20.1539  $-2*(5+14x+5x^2)/(x-1)/(x+1)/(x^2+4x+1)$  lgdogf  
A008532 3.72153 [  $\{(-20n^2-105n)*a(n)+(-79n^2-666n-1437)*a(n+1)+(20n^2-369n-2328)*a(n+2)+(79n^2+546n+927)*a(n+3), a(0) = 1, a(1) = 10, a(2) = 44\}$ , ogf]  
A008532 9.77983 [  $(x^2+4x+1)*(x+1)^2/(x-1)^4$  ogf]  
A008533 10.1817  $-12*(x^2+3x+1)^2/(x-1)/(x+1)/(x^4+6x^3+16x^2+6x+1)$  lgdogf  
A008533 3.82753 [  $\{(n^2+n)*a(n)+(2n^2+18n+16)*a(n+1)+(-2n^2+6n+20)*a(n+2)+(-n^2-5n-6)*a(n+3), a(0) = 1, a(1) = 12, a(2) = 72\}$ , ogf]  
A008533 7.61861 [  $-(x+1)*(x^4+6x^3+16x^2+6x+1)/(x-1)^5$  ogf]  
A008534 4.55604 [  $(x^6+8x^5+29x^4+64x^3+29x^2+8x+1)/(x-1)^6$  ogf]  
A008534 6.92862  $-14*(x+1)*(x^4+6x^3+16x^2+6x+1)/(x-1)/(x^6+8x^5+29x^4+64x^3+29x^2+8x+1)$  lgdogf  
A008535 5.42917  $-8*(2+16x+58x^2+2x^3+16x^4+16x^5+93x^3+58x^2)/(x-1)/(x+1)/(x^6+8x^5+29x^4+64x^3+29x^2+8x+1)$  lgdogf  
A008535 5.45157 [  $-(x+1)*(x^6+8x^5+29x^4+64x^3+29x^2+8x+1)/(x-1)^7$  ogf]  
A008542 11.4864  $-1/6*(1-5x)^{(1/5)}+5/6*(1-5x)^{(1/5)}*x+1/6$  revevgf  
A008542 32.1620  $-1+(1-6x)*f(x)$  lgdegf  
A008542 5.60819 [  $\{(-6n-7)*a(n+1)+a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A008543 15.4123  $-1/6*x*(x-2)*(x^2-x+1)*(x^2-3x+3)$  revevgf  
A008543 34.9346  $-5+(1-6x)*f(x)$  lgdegf  
A008543 6.01247 [  $\{(-6n-11)*a(n+1)+a(n+2), a(0) = 1, a(1) = 5\}$ , ogf]  
A008544 28.8321  $1/3*x*(x^2-3x+3)$  revevgf  
A008544 49.0145  $-2/(3x-1)$  lgdegf  
A008544 5.69861 [  $\{(-3n-5)*a(n+1)+a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A008545 26.2542  $-1/4*x*(x-2)*(x^2-2x+2)$  revevgf  
A008545 42.0067  $-3+(1-4x)*f(x)$  lgdegf  
A008545 7.29161 [  $\{(-4n-7)*a(n+1)+a(n+2), a(0) = 1, a(1) = 3\}$ , ogf]  
A008546 16.0989  $1/5*x*(5-10x+10x^2-5x^3+x^4)$  revevgf  
A008546 33.2711  $-4+(1-5x)*f(x)$  lgdegf  
A008546 5.79724 [  $\{(-5n-9)*a(n+1)+a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A008548 12.7494  $-1/5*(1-4x)^{(1/4)}+4/5*(1-4x)^{(1/4)}*x+1/5$  revevgf  
A008548 35.6984  $-1+(1-5x)*f(x)$  lgdegf  
A008548 6.21375 [  $\{(-5n-6)*a(n+1)+a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A008549 4.97289 [  $\{(-16n-40)*a(n+1)+(8n+26)*a(n+2)+(-n-4)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A008553 10.0252 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 20, a(1) = 21\}$ , ogf]  
A008553 17.9174 [  $-(19x-20)/(x-1)^2$  ogf]  
A008553 28.4607  $-(-10-x+(100+x)^{(1/2)})/(19+x)$  revogf  
A008553 30.5689  $-(-21+19x)/(x-1)/(19x-20)$  lgdogf  
A008574 16.2332 [  $(x+1)^2/(x-1)^2$  ogf]  
A008574 40.7978 [  $[4-2x]$  ogf\_with\_Euler\_transform]  
A008574 60.2893  $-4/(x-1)/(x+1)$  lgdogf  
A008574 8.43491 [  $\{-a(n+3)+2a(n+2)-a(n+1), a(0) = 1, a(1) = 4, a(2) = 8\}$ , ogf]  
A008576 11.1057  $-(3+4x+3x^2+4x^3+10x^4)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A008576 19.5601  $-x^3+x^2-x+3$  ogf\_with\_Euler\_transform]  
A008576 8.42535 [  $(x^2+1)*(x+1)^2/(x^2+x+1)/(x-1)^2$  ogf]  
A008577 18.2068 [  $-x^3+x^2-x+4$  ogf\_with\_Euler\_transform]  
A008577 6.50512 [  $-(x^2+1)*(x+1)^2/(x^2+x+1)/(x-1)^3$  ogf]  
A008577 9.67575  $-(4+6x+5x^2+4x^3+5x^4+7x^5+13x^6)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A008579 7.61001 [  $-(2x+1)*(x^4-2x^3-2x^2-2x-1)/(x-1)^2/(x+1)^2$  ogf]  
A008579 7.80645  $2*(2+8x-2x^2+4x^3+12x^4+15x^5)/(x-1)/(2x+1)/(x+1)/(x^4-2x^3-2x^2-2x-1)$  lgdogf  
A008580 7.90558  $(5+21x+5x^2+4x^3+36x^4+40x^5)/(x-1)/(2x+1)/(x+1)/(x^4-2x^3-2x^2-2x-1)$  lgdogf  
A008580 8.16402 [  $(2x+1)*(x^4-2x^3-2x^2-2x-1)/(x+1)^2/(x-1)^3$  ogf]  
A008581 17.0112 [  $x^6+x^4+x^3+x^2+x+1$  ogf\_with\_Euler\_transform]  
A008581 7.47913 [  $1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^6$  ogf]  
A008585 10.0680 [  $\{a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 3\}$ , ogf]

A008585 100.409  $-2/(x-1)$  lgdogf  
A008585 22.0408  $[3x/(x-1)^2$  ogf]  
A008585 32.1310  $12x/(3+(9+12x)^{1/2})^2$  revogf  
A008586 10.3266  $[a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 4]$ , ogf]  
A008586 103.034  $-2/(x-1)$  lgdogf  
A008586 22.6068  $[4x/(x-1)^2$  ogf]  
A008586 43.3826  $x/(1+(1+x)^{1/2})^2$  revogf  
A008587 10.1379  $[a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 5]$ , ogf]  
A008587 101.137  $-2/(x-1)$  lgdogf  
A008587 22.1938  $[5x/(x-1)^2$  ogf]  
A008587 31.1191  $20x/(5+(20x+25)^{1/2})^2$  revogf  
A008588 11.0245  $[a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 6]$ , ogf]  
A008588 110.094  $-2/(x-1)$  lgdogf  
A008588 24.1346  $[6x/(x-1)^2$  ogf]  
A008588 38.2934  $6x/(3+(9+6x)^{1/2})^2$  revogf  
A008589 10.1420  $[a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 7]$ , ogf]  
A008589 101.185  $-2/(x-1)$  lgdogf  
A008589 22.2028  $[7x/(x-1)^2$  ogf]  
A008589 31.1339  $28x/(7+(49+28x)^{1/2})^2$  revogf  
A008590 10.2410  $[a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 8]$ , ogf]  
A008590 102.187  $-2/(x-1)$  lgdogf  
A008590 22.4194  $[8x/(x-1)^2$  ogf]  
A008590 35.5433  $2x/(2+(4+2x)^{1/2})^2$  revogf  
A008591 10.0463  $[a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 9]$ , ogf]  
A008591 100.223  $-2/(x-1)$  lgdogf  
A008591 21.9933  $[9x/(x-1)^2$  ogf]  
A008591 34.8602  $4x/(3+(9+4x)^{1/2})^2$  revogf  
A008592 10.0697  $[a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 10]$ , ogf]  
A008592 101.719  $-2/(x-1)$  lgdogf  
A008592 21.7294  $[10x/(x-1)^2$  ogf]  
A008592 31.2982  $10x/(5+(10x+25)^{1/2})^2$  revogf  
A008593 10.0697  $[a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 11]$ , ogf]  
A008593 101.719  $-2/(x-1)$  lgdogf  
A008593 21.7294  $[11x/(x-1)^2$  ogf]  
A008593 29.0626  $44x/(11+(121+44x)^{1/2})^2$  revogf  
A008594 10.1184  $[a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 12]$ , ogf]  
A008594 102.218  $-2/(x-1)$  lgdogf  
A008594 21.8344  $[12x/(x-1)^2$  ogf]  
A008594 35.5540  $3x/(3+(9+3x)^{1/2})^2$  revogf  
A008595 100.250  $-2/(x-1)$  lgdogf  
A008595 21.4187  $[13x/(x-1)^2$  ogf]  
A008595 28.6428  $52x/(13+(169+52x)^{1/2})^2$  revogf  
A008595 9.92572  $[a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 13]$ , ogf]  
A008596 100.250  $-2/(x-1)$  lgdogf  
A008596 21.4187  $[14x/(x-1)^2$  ogf]  
A008596 30.8461  $14x/(7+(49+14x)^{1/2})^2$  revogf  
A008596 9.92572  $[a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 14]$ , ogf]  
A008597 100.746  $-2/(x-1)$  lgdogf  
A008597 21.5232  $[15x/(x-1)^2$  ogf]  
A008597 28.7846  $60x/(15+(225+60x)^{1/2})^2$  revogf  
A008597 9.97415  $[a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 15]$ , ogf]  
A008598 100.746  $-2/(x-1)$  lgdogf  
A008598 21.5232  $[16x/(x-1)^2$  ogf]  
A008598 42.4194  $x/(2+(4+x)^{1/2})^2$  revogf  
A008598 9.97415  $[a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 16]$ , ogf]  
A008599 10.0226  $[a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 17]$ , ogf]  
A008599 101.242  $-2/(x-1)$  lgdogf  
A008599 21.6276  $[17x/(x-1)^2$  ogf]  
A008599 28.9264  $68x/(17+(289+68x)^{1/2})^2$  revogf  
A008600 10.0226  $[a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 18]$ , ogf]  
A008600 101.242  $-2/(x-1)$  lgdogf

A008600 21.6276 [  $18x/(x-1)^2$  ogf]  
A008600 35.2147  $2x/(3+(9+2x)^{1/2})^2$  revogf  
A008601 10.0226 [ $\{a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 19\}$ , ogf]  
A008601 101.242  $-2/(x-1)$  lgdogf  
A008601 21.6276 [  $19x/(x-1)^2$  ogf]  
A008601 28.9264  $76x/(19+(361+76x)^{1/2})^2$  revogf  
A008602 20.7973 [  $20x/(x-1)^2$  ogf]  
A008602 32.4376  $5x/(5+(25+5x)^{1/2})^2$  revogf  
A008602 9.63778 [ $\{a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 20\}$ , ogf]  
A008602 97.3128  $-2/(x-1)$  lgdogf  
A008603 19.1523 [  $21x/(x-1)^2$  ogf]  
A008603 25.5776  $84x/(21+(441+84x)^{1/2})^2$  revogf  
A008603 8.87544 [ $\{a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 21\}$ , ogf]  
A008603 89.5215  $-2/(x-1)$  lgdogf  
A008604 18.1357 [  $22x/(x-1)^2$  ogf]  
A008604 24.2025  $22x/(11+(121+22x)^{1/2})^2$  revogf  
A008604 8.40433 [ $\{a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 22\}$ , ogf]  
A008604 84.7087  $-2/(x-1)$  lgdogf  
A008605 100.262  $-2/(x-1)$  lgdogf  
A008605 21.4181 [  $23x/(x-1)^2$  ogf]  
A008605 28.6462  $92x/(23+(529+92x)^{1/2})^2$  revogf  
A008605 9.92548 [ $\{a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 23\}$ , ogf]  
A008606 10.0214 [ $\{a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 24\}$ , ogf]  
A008606 101.245  $-2/(x-1)$  lgdogf  
A008606 21.6251 [  $24x/(x-1)^2$  ogf]  
A008606 33.7482  $6x/(6+(36+6x)^{1/2})^2$  revogf  
A008607 21.3102 [  $25x/(x-1)^2$  ogf]  
A008607 33.2522  $4x/(5+(25+4x)^{1/2})^2$  revogf  
A008607 9.87546 [ $\{a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 25\}$ , ogf]  
A008607 99.7565  $-2/(x-1)$  lgdogf  
A008609 4.50035 [  $-(x^{12}-2x^{11}+4x^{10}-4x^9+2x^8-2x^7+x^6-x^5+2x^4-2x^3+x^2+1)/(3x^3-1)/(x-1)^2$  ogf]  
A008610 6.58859 [  $(x^3+x^2-x+1)/(x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A008610 8.42091  $-(1+4x-x^4+5x^6+8x^5+12x^3+3x^2)/(x-1)/(x+1)/(x^2+1)/(x^3+x^2-x+1)$  lgdogf  
A008611 15.8931 [  $(x^2-x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A008611 20.7882  $-2x*(1+x^3-x^2+2x)/(x-1)/(1+x+x^2)/(x^2-x+1)$  lgdogf  
A008611 33.3372 [ $-x^5+2x^2+x$  ogf\_with\_Euler\_transform]  
A008611 5.94772 [ $\{(-n-4)*a(n+1)-a(n+2)-a(n+3)+(n+3)*a(n+4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 2\}$ , ogf]  
A008612 11.3986 [  $(x^4-x^2+1)/(x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A008612 17.0480 [ $-x^{11}+x^2*(x^3+x+1)$  ogf\_with\_Euler\_transform]  
A008612 9.22406  $-x^2*(x^2+x^4-x^3+7x+3+x^5)/(x-1)/(x+1)/(1+x+x^2)/(x^4-x^2+1)$  lgdogf  
A008613 4.50787 [  $-(x^8+x^7-x^5-x^4-x^3+x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A008614 5.52869 [  $-(x^{12}+x^{11}-x^9-x^8+x^6-x^4-x^3+x+1)/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A008615 20.5958 [  $x^2/(x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A008615 24.2719  $-x*(2+5x^2+5x)/(x-1)/(x+1)/(1+x+x^2)$  lgdogf  
A008615 36.9777 [ $[x^2+x]$  ogf\_with\_Euler\_transform]  
A008616 16.4357  $-x*(2+7x^3+7x^4+2x^2+2x)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A008616 23.4751 [  $1/(x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A008616 38.4152 [ $[x^4+x]$  ogf\_with\_Euler\_transform]  
A008617 16.5768 [  $1/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A008617 23.3667 [ $x*(x^5+1)$  ogf\_with\_Euler\_transform]  
A008617 8.65756  $-x*(2+2x^3+9x^5+2x^4+2x^2+2x+9x^6)/(x-1)/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A008618 16.0783 [  $1/(x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A008618 32.0615 [ $x^8+x$  ogf\_with\_Euler\_transform]

A008618 7.67375  $-x*(2+2*x^3+2*x^5+2*x^4+2*x^2+2*x+2*x^6+11*x^8+11*x^7)/(x-1)/(x+1)/(1+x+x^2)/(x^6+x^3+1)$  lgdogf  
A008619 24.5047  $[1/(x+1)/(x-1)^2]$  ogf  
A008619 43.0407  $[[1+x]$  ogf\_with\_Euler\_transform]  
A008619 44.4701  $-(3*x+1)/(x-1)/(x+1)$  lgdogf  
A008619 8.09529  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 2}]$ , ogf]  
A008620 22.3149  $[1/(x^2+x+1)/(x-1)^2]$  ogf]  
A008620 32.0529  $-(1+x+4*x^2)/(x-1)/(1+x+x^2)$  lgdogf  
A008620 36.4880  $[[x^2+1]$  ogf\_with\_Euler\_transform]  
A008620 7.37830  $[{-a(n+4)+a(n+3)+a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2}]$ , ogf]  
A008621 21.9287  $-a(n+4)+a(n), a(0)=1, a(1)=1, a(2)=1, a(3)=5$  lgdogf  
A008621 22.8934  $[1/(x+1)/(x^2+1)/(x-1)^2]$  ogf]  
A008621 37.4407  $[[x^3+1]$  ogf\_with\_Euler\_transform]  
A008622 11.5783  $[ -1/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^3]$  ogf]  
A008622 28.3459  $[x^6+x^5+x^3]$  ogf\_with\_Euler\_transform]  
A008624 10.9492  $[ (x^2-x+1)/(x+1)/(x^2+1)/(x-1)^2]$  ogf]  
A008624 11.7032  $-x*(2-3*x^3+3*x^4+5*x^2+x)/(x-1)/(x+1)/(1+x^2)/(x^2-x+1)$  lgdogf  
A008624 17.9844  $[-x^5+x^3+x^2+x]$  ogf\_with\_Euler\_transform]  
A008625 8.01394  $[ -(x^4-x^3+x^2-x+1)*(x^4-x^2+1)/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3]$  ogf]  
A008627 16.5958  $[-x^{11}+x^5+x^3+x^2+x+1]$  ogf\_with\_Euler\_transform]  
A008627 7.93997  $[ (x^4-x^2+1)/(x+1)^2/(x^2+x+1)/(x-1)^4]$  ogf]  
A008627 8.14652  $-(1+4*x-2*x^4+5*x^6+6*x^3+6*x^2+4*x^7)/(x-1)/(x+1)/(1+x+x^2)/(x^4-x^2+1)$  lgdogf  
A008628 14.1681  $[-x^{19}+x^9+x^4+x^3+x^2+x+1]$  ogf\_with\_Euler\_transform]  
A008628 5.54234  $[ -(x^8-x^6+x^4-x^2+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^5]$  ogf]  
A008634 24.6033  $[(-1/x^{11}+1)*x^{11}/(x-1)]$  ogf\_with\_Euler\_transform]  
A008635 17.8824  $[(-1/x^{12}+1)*x^{12}/(x-1)]$  ogf\_with\_Euler\_transform]  
A008636 14.9618  $[x^6+x^5+x^4+x^3+x^2+x+1]$  ogf\_with\_Euler\_transform]  
A008637 14.8921  $[(x+1)*(x^2+1)*(x^4+1)]$  ogf\_with\_Euler\_transform]  
A008638 15.1827  $[(x^2+x+1)*(x^6+x^3+1)]$  ogf\_with\_Euler\_transform]  
A008639 18.1638  $[(-1/x^{10}+1)/(x-1)*x^{10}]$  ogf\_with\_Euler\_transform]  
A008640 24.6033  $[(-1/x^{11}+1)/(x-1)*x^{11}]$  ogf\_with\_Euler\_transform]  
A008641 18.5199  $[(-1/x^{12}+1)*x^{12}/(x-1)]$  ogf\_with\_Euler\_transform]  
A008642 11.1221  $[ -1/(x^2+1)/(x+1)^2/(x-1)^3]$  ogf]  
A008642 17.7405  $-(1+3*x+x^2+7*x^3)/(x-1)/(x+1)/(1+x^2)$  lgdogf  
A008642 26.3495  $[[x^3+x+1]$  ogf\_with\_Euler\_transform]  
A008643 25.2239  $[x^7+x^3+x+1]$  ogf\_with\_Euler\_transform]  
A008643 5.84543  $[1/(x^4+1)/(x^2+1)^2/(x+1)^3/(x-1)^4]$  ogf]  
A008643 9.07132  $-(1+3*x+x^2+7*x^3+x^4+3*x^5+x^6+15*x^7)/(x-1)/(x+1)/(1+x^2)/(x^4+1)$  lgdogf  
A008644 23.5670  $[x^{15}+x^7+x^3+x+1]$  ogf\_with\_Euler\_transform]  
A008644 8.00662  $-(1+3*x+x^2+7*x^3+x^4+3*x^5+x^6+15*x^7+x^8+3*x^9+x^{10}+7*x^{11}+x^{12}+3*x^{13}+x^{14}+31*x^{15})/(x-1)/(x+1)/(1+x^2)/(x^4+1)/(x^8+1)$  lgdogf  
A008646 6.23634  $[ -(x^4-3*x^3+5*x^2-3*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^5]$  ogf]  
A008646 7.56838  $-(1+2*x+9*x^4+27*x^6-12*x^5+4*x^3+3*x^2-14*x^7+5*x^8)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4-3*x^3+5*x^2-3*x+1)$  lgdogf  
A008647 15.8239  $[-x^{17}+x^8+x^5+x^3]$  ogf\_with\_Euler\_transform]  
A008647 7.58753  $-x^3*(4*x+2*x^3+10*x^2+4*x^7+x^8+2*x^4+x^6-x^5)/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)/(x^6-x^3+1)$  lgdogf  
A008647 9.66054  $[ (x^6-x^3+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^2]$  ogf]  
A008648 22.5966  $[x^{24}+x^4+1]$  ogf\_with\_Euler\_transform]  
A008648 8.83670  $[ -1/(x^{20}+x^{15}+x^{10}+x^5+1)/(x^4+x^3+x^2+x+1)^2/(x-1)^3]$  ogf]  
A008649 11.4674  $[ -1/(x^6+x^3+1)/(x^2+x+1)^2/(x-1)^3]$  ogf]  
A008649 28.3726  $[x^8+x^2+1]$  ogf\_with\_Euler\_transform]  
A008649 9.55346  $-(1+x+4*x^2+x^3+x^4+4*x^5+x^6+x^7+13*x^8)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  lgdogf

A008651 5.78782 [  $(x^8+x^7-x^5-x^4-x^3+x+1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A008652 22.6098 [  $x^{15}+x^3+1$  ogf\_with\_Euler\_transform]  
A008652 5.88025  $-(1+x+x^2+5x^3+x^4+x^5+x^6+5x^7+x^8+x^9+x^{10}+5x^{11}+x^{12}+x^{13}+x^{14}+21x^{15})/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  lgdogf  
A008652 8.84384 [  $-1/(x^4+1)/(x^8+1)/(x+1)^2/(x^2+1)^2/(x-1)^3$  ogf]  
A008666 13.8225 [  $x^8+x^5+x^4+x^2+x$  ogf\_with\_Euler\_transform]  
A008667 16.4292 [  $1/24*x*(x^3+4*x^2+12*x+24)$  egf\_with\_Euler\_transform]  
A008667 7.89905  $-x*(2+32*x^3+49*x^5+46*x^4+18*x^2+7*x+44*x^6+14*x^8+28*x^7)/(x-1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)$  lgdogf  
A008667 8.49137 [  $1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A008668 17.6703 [  $x^{14}+x^9+x^5+1$  ogf\_with\_Euler\_transform]  
A008669 11.8444 [  $1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A008669 22.6290 [  $[x^4+x^2+x+1]$  ogf\_with\_Euler\_transform]  
A008669 9.16425  $-(1+5*x+23*x^4+23*x^6+27*x^5+18*x^3+12*x^2+11*x^7)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x-1)/(x+1)$  lgdogf  
A008670 10.7115  $-(1+x+5*x^4+x^6+15*x^5+6*x^3+5*x^2+14*x^7)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A008670 24.0935 [  $x^5+x^3+x^2+1$  ogf\_with\_Euler\_transform]  
A008670 9.32204 [  $1/(x^2+1)/(x^2-x+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^4$  ogf]  
A008671 11.5468 [  $-1/(x+1)/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A008671 27.5592 [  $x*(x^5+x+1)$  ogf\_with\_Euler\_transform]  
A008671 8.40345  $-x*(2+12*x^3+19*x^5+12*x^4+12*x^2+7*x+26*x^6+12*x^8+24*x^7)/(x-1)/(x+1)/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A008672 11.5345  $-(1+2*x+11*x^4+9*x^6+10*x^5+6*x^3+6*x^2)/(x-1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A008672 12.6141 [  $-1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A008672 26.2805 [  $[x^4+x^2+1]$  ogf\_with\_Euler\_transform]  
A008673 16.8295 [  $x^6+x^4+x^2+1$  ogf\_with\_Euler\_transform]  
A008673 4.63647 [  $1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A008674 11.4024 [  $(-1/x^{10}+1)*x^{10}/(x+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A008675 16.2360 [  $(-1/x^{12}+1)*x^{12}/(x-1)/(x+1)$  ogf\_with\_Euler\_transform]  
A008676 10.5514  $-x^2*(8*x^2+8*x^4+8*x^3+3*x+3)/(x-1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A008676 16.4705 [  $1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A008676 23.2169 [  $[x^4+x^2]$  ogf\_with\_Euler\_transform]  
A008677 20.2395 [  $x^6+x^4+x^2$  ogf\_with\_Euler\_transform]  
A008677 8.82032 [  $-1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A008678 15.9421 [  $x^8+x^6+x^4+x^2$  ogf\_with\_Euler\_transform]  
A008678 4.75517 [  $1/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A008679 14.1054  $-x^2*(7*x^2+7*x^3+7*x+3)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A008679 18.6865 [  $1/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A008679 26.3495 [  $[x^3+x^2]$  ogf\_with\_Euler\_transform]  
A008680 12.1870 [  $-1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x-1)^3$  ogf]  
A008680 27.2475 [  $x^4+x^3+x^2$  ogf\_with\_Euler\_transform]  
A008680 8.67112  $-x^2*(22*x^2+39*x^4+34*x^3+10*x+3+36*x^5+12*x^7+24*x^6)/(x-1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)$  lgdogf  
A008681 12.4343 [  $1/120*x^2*(x^3+5*x^2+20*x+60)$  egf\_with\_Euler\_transform]  
A008681 4.72751 [  $1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^4$  ogf]  
A008681 5.18834  $-x^2*(15*x^2+33*x^4+28*x^3+7*x+18*x^8+3+18*x^9+43*x^5+36*x^7+39*x^6)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)$  lgdogf  
A008682 15.0447 [  $1/120*x^3*(x^2+5*x+20)$  egf\_with\_Euler\_transform]  
A008682 5.58270  $-x^3*(9*x+24*x^3+19*x^2+4+15*x^7+15*x^8+34*x^4+30*x^6+30*x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)$  lgdogf  
A008682 8.74133 [  $-1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2/$

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(x-1)^3 ogf]
A008684 8.11042 [ -(961*x^32-961*x^31-28*x^28+31)/(28*x^28-31)/(x-1)^2 ogf]
A008706 11.5636 [ (x^2+3*x+1)/(x-1)^2 ogf]
A008706 22.9864 -5*(x+1)/(x-1)/(x^2+3*x+1) lgdogf
A008706 5.95021 [{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 5, a(2) = 10}, ogf]
A008718 15.0234 [-x^17+x^11+x^8+x^5+x^3+1 ogf_with_Euler_transform]
A008718 6.14484 [ (x^6-x^3+1)/(x^2-x+1)/(x^4-x^2+1)/(x+1)^2/(x^2+1)^2/(x^2+x+1)^2/(x-1)^4 ogf]
A008719 17.1106 [x^11+x^5+x^3+1 ogf_with_Euler_transform]
A008719 4.56780 [ 1/(x^4-x^2+1)/(x^2+1)^2/(x^2+x+1)^2/(x^2-x+1)^2/(x+1)^3/(x-1)^4 ogf]
A008719 5.84555 -(1+x*x^2+5*x^3+x^4+7*x^5+x^6+5*x^7+x^8+x^9+x^10+23*x^11)/(x^2-x+1)/(1+x^2+x)/(x^2+1)/(x-1)/(x+1)/(x^4-x^2+1) lgdogf
A008720 11.3187 -x*(4+9*x^3+9*x^4+4*x^2+4*x)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1) lgdogf
A008720 11.6603 [ -1/(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^3 ogf]
A008720 26.4741 [[x^4+2*x] ogf_with_Euler_transform]
A008721 11.3653 [ -1/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^3 ogf]
A008721 22.6374 [x*(x^5+2) ogf_with_Euler_transform]
A008721 8.18868 -x*(4+4*x^3+11*x^5+4*x^4+4*x^2+4*x+11*x^6)/(x-1)/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1) lgdogf
A008722 14.1608 [ -1/(x^2+x+1)/(x^6+x^3+1)/(x+1)^2/(x-1)^3 ogf]
A008722 42.3525 [x^8+2*x ogf_with_Euler_transform]
A008722 7.47431 -x*(4+4*x^3+4*x^5+4*x^4+4*x^2+4*x+4*x^6+13*x^8+13*x^7)/(x-1)/(x+1)/(1+x^2+x)/(x^6+x^3+1) lgdogf
A008723 10.1487 [ -1/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^3 ogf]
A008723 29.4048 [x^10+2*x ogf_with_Euler_transform]
A008723 5.35761 -x*(4+4*x^3+4*x^5+4*x^4+4*x^2+15*x^9+4*x+15*x^10+4*x^6+4*x^8+4*x^7)/(x-1)/(x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1) lgdogf
A008724 15.6751 -2*(1+x*x^2+x^3+x^4+4*x^5)/(x-1)/(1+x^2+x)/(x+1)/(x^2-x+1) lgdogf
A008724 15.9501 [ -x^4/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3 ogf]
A008724 36.2337 [[x^5+2] ogf_with_Euler_transform]
A008725 12.1456 -(2+2*x+2*x^2+2*x^3+2*x^4+2*x^5+9*x^6)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1) lgdogf
A008725 15.2052 [ -1/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3 ogf]
A008725 34.5313 [[x^6+2] ogf_with_Euler_transform]
A008726 13.8995 -2*(1+x*x^2+x^3+x^4+x^5+x^6+5*x^7)/(x-1)/(x+1)/(x^2+1)/(1+x^4) lgdogf
A008726 15.1439 [ -1/(x+1)/(x^2+1)/(x^4+1)/(x-1)^3 ogf]
A008726 34.9981 [[x^7+2] ogf_with_Euler_transform]
A008727 10.7512 -(2+2*x+2*x^2+2*x^3+2*x^4+2*x^5+2*x^6+2*x^7+11*x^8)/(x-1)/(1+x^2+x)/(x^6+x^3+1) lgdogf
A008727 14.6765 [ -1/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3 ogf]
A008727 41.0748 [x^8+2 ogf_with_Euler_transform]
A008728 15.6701 [ -1/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^3 ogf]
A008728 41.6286 [x^9+2 ogf_with_Euler_transform]
A008728 9.56542 -2*(1+x*x^2+x^3+x^4+x^5+x^6+x^7+x^8+6*x^9)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) lgdogf
A008729 14.4868 [ -1/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3 ogf]
A008729 39.3597 [x^10+2 ogf_with_Euler_transform]
A008729 7.54487 -(2+2*x+2*x^2+2*x^3+2*x^4+2*x^5+2*x^6+2*x^7+2*x^8+2*x^9+13*x^10)/(x-1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1) lgdogf
A008730 15.4473 [ -1/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^3 ogf]
A008730 39.1714 [x^11+2 ogf_with_Euler_transform]
A008730 8.15780 -2*(1+x*x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^10+7*x^11)/(x^2-x+1)/(1+x^2+x)/(x^2+1)/(x-1)/(x+1)/(x^4-x^2+1) lgdogf
A008731 14.2465 [ -1/(x^2+x+1)/(x+1)^2/(x-1)^3 ogf]

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A008731 16.9784  $-x*(4+7*x^2+7*x)/(x-1)/(1+x^2+x)/(x+1)$  lgdogf  
A008731 32.3567  $[[x^2+2*x] ogf\_with\_Euler\_transform]$   
A008732 11.9692  $[-1/(x^4+x^3+x^2+x+1)/(x-1)^3 ogf]$   
A008732 12.3760  $-(2+2*x+2*x^2+2*x^3+7*x^4)/(x-1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A008732 25.2402  $[[x^4+2] ogf\_with\_Euler\_transform]$   
A008733 14.3146  $-x*(4-5*x^3+5*x^4+9*x^2-x)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)$  lgdogf  
A008733 21.9102  $[-x^5+x^3+x^2+2*x ogf\_with\_Euler\_transform]$   
A008733 8.75217  $[-(x^2-x+1)/(x^2+1)/(x+1)^2/(x-1)^3 ogf]$   
A008734 17.5157  $[-x^9+x^7+x^4+2*x ogf\_with\_Euler\_transform]$   
A008734 5.63899  $-x*(4-3*x^3-3*x^5+7*x^4+8*x^2-7*x^9-4*x$   
 $+7*x^{10}+15*x^6+11*x^8-11*x^7)/(x-1)/(x+1)/(x^2+1)/(x^4-x^3+x^2-x+1)/(1+x^4)$   
lgdogf  
A008734 5.86424  $[-(x^4-x^3+x^2-x+1)/(x^2+1)/(x^4+1)/(x+1)^2/(x-1)^3 ogf]$   
A008735 5.05741  $[-(x^6-x^5+x^4-x^3+x^2-x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-$   
 $x^2+1)/(x+1)^2/(x-1)^3 ogf]$   
A008736 16.6238  $[-x^{17}+x^{15}+x^8+2*x ogf\_with\_Euler\_transform]$   
A008736 4.48966  $[-(x^2-x+1)*(x^6-x^3+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x+1)^2/(x-1)^3$   
ogf]  
A008737 12.9651  $-2*(1+x^2+x^4+6*x^5)/(x-1)/(x+1)/(1+x^2+x)/(x^2-x+1)$  lgdogf  
A008737 5.94608  $[-x^6/(x+1)/(x^2+x+1)^2/(x^2-x+1)^2/(x-1)^3 ogf]$   
A008738 10.9617  $[-x^2*(x+1)*(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3 ogf]$   
A008738 22.7165  $[-x^5+x^4+x^2+2 ogf\_with\_Euler\_transform]$   
A008738 9.95114  $-(2+2*x+9*x^4+2*x^6+2*x^5+4*x^3+5*x^2+4*x^7)/(x-1)/(x+1)/(x^2-x$   
 $+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A008739 11.1322  $[-(x^4+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3 ogf]$   
A008739 21.8674  $[-x^7+x^6+x^3+2 ogf\_with\_Euler\_transform]$   
A008739 5.81225  $-(2+2*x$   
 $+4*x^4+11*x^6+4*x^5+6*x^3+5*x^{10}+2*x^2+2*x^7+2*x^9+2*x^8)/(x-1)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)/(1+x^4)$  lgdogf  
A008740 16.7534  $[-x^9+x^8+x^4+2 ogf\_with\_Euler\_transform]$   
A008740 8.31017  $[-(x+1)*(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3 ogf]$   
A008742 11.9669  $[-x^{11}+x*(x^4+x^2+x+1) ogf\_with\_Euler\_transform]$   
A008742 7.63749  $[-(x^4-x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^3 ogf]$   
A008742 9.10236  $-x*(2-x^3+3*x^5-x^4+7*x^2+5*x+3*x^6)/(x-1)/(x+1)/(1+x^2+x)/(x^4-$   
 $x^2+1)$  lgdogf  
A008743 7.54950  $-x*(2+4*x^3-2*x^5+10*x^4+8*x^2+3*x^9+2*x+3*x^{10}+2*x^6+5*x^8-$   
 $x^7)/(x-1)/(x+1)/(x^2+1)/(1+x^2+x)/(x^6-x^3+1)$  lgdogf  
A008743 7.92324  $[-(x^6-x^3+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^3 ogf]$   
A008747 10.0450  $-(1+4*x+5*x^4+3*x^6+4*x^5+10*x^3+7*x^2+2*x^7)/(x-1)/(x+1)/$   
 $(1+x^2+x)/(x^4+1)$  lgdogf  
A008747 11.3470  $[-(x^4+1)/(x+1)/(x^2+x+1)/(x-1)^3 ogf]$   
A008747 20.1166  $[-x^7+x^3+x^2+x+1 ogf\_with\_Euler\_transform]$   
A008748 14.3417  $-(1+2*x+3*x^4+x^6+2*x^2)/(x-1)/(1+x^2+x)/(x^4-x^3+x^2-x+1)$   
lgdogf  
A008748 20.5993  $[-x^9+x^4+x^2+x+1 ogf\_with\_Euler\_transform]$   
A008748 9.11966  $[-(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x-1)^3 ogf]$   
A008749 14.8506  $[-x^{11}+x^5+x^2+x+1 ogf\_with\_Euler\_transform]$   
A008749 7.28154  $-(1+4*x+7*x^6+6*x^5+6*x^3+7*x^2+4*x^7+x^8)/(x-1)/(x+1)/(x^2+1)/$   
 $(1+x^2+x)/(x^4-x^2+1)$  lgdogf  
A008749 8.59088  $[-(x^2+1)*(x^4-x^2+1)/(x+1)/(x^2+x+1)/(x-1)^3 ogf]$   
A008750 14.8506  $[-x^{13}+x^6+x^2+x+1 ogf\_with\_Euler\_transform]$   
A008750 5.75352  $[-(x^6-x^5+x^4-x^3+x^2-x+1)/(x^2+x+1)/(x-1)^3 ogf]$   
A008750 7.45914  $(-1-2*x+2*x^4-x^6-4*x^5-2*x^2-2*x^7+x^8)/(x-1)/(1+x^2+x)/(x^6-$   
 $x^5+x^4-x^3+x^2-x+1)$  lgdogf  
A008751 14.7589  $[-x^{15}+x^7+x^2+x+1 ogf\_with\_Euler\_transform]$   
A008751 7.59723  $(-1-4*x-6*x^3+x^{10}-7*x^2+2*x^{11}-8*x^7-4*x^9-9*x^8)/(x-1)/(x+1)/$   
 $(1+x^2+x)/(x^8+1)$  lgdogf  
A008751 8.53785  $[-(x^8+1)/(x+1)/(x^2+x+1)/(x-1)^3 ogf]$   
A008752 14.7589  $[-x^{17}+x^8+x^2+x+1 ogf\_with\_Euler\_transform]$   
A008752 4.98610  $[-(x^2-x+1)*(x^6-x^3+1)/(x^2+x+1)/(x-1)^3 ogf]$   
A008752 6.53525  $(-1-2*x+2*x^4+6*x^6-4*x^5+3*x^{10}-2*x^2-8*x^7-4*x^9+x^8)/(x-1)/$

$(1+x^2+x)/(x^2-x+1)/(x^6-x^3+1)$  lgdogf  
A008753 14.7589  $[-x^{19}+x^9+x^2+x+1$  ogf\_with\_Euler\_transform]  
A008753 5.73376  $(-1-4*x-6*x^3-11*x^{10}-7*x^{12}-4*x^{11}+3*x^{12}-10*x^9+4*x^{13})/(x-1)/(x+1)/(1+x^2+x)/(x^2+1)/(x^8-x^6+x^4-x^2+1)$  lgdogf  
A008753 8.42247  $[-(x^2+1)*(x^8-x^6+x^4-x^2+1)/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A008754 14.3261  $[-x^{21}+x^{10}+x^2+x+1$  ogf\_with\_Euler\_transform]  
A008754 4.36192  $[-(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A008755 14.3261  $[-x^{23}+x^{11}+x^2+x+1$  ogf\_with\_Euler\_transform]  
A008755 6.10007  $(-1-4*x-6*x^3-7*x^2-12*x^{11}-13*x^{12}+5*x^{14}-4*x^{13}+6*x^{15})/(x-1)/(x+1)/(1+x^2+x)/(x^4+1)/(x^8-x^4+1)$  lgdogf  
A008755 8.37016  $[-(x^4+1)*(x^8-x^4+1)/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A008757 5.12851  $(-1-4*x-6*x^3-7*x^2+7*x^{16}+8*x^{17}-15*x^{14}-14*x^{13}-4*x^{15})/(x-1)/(x+1)/(x^2+1)/(1+x^2+x)/(x^{12}-x^{10}+x^8-x^6+x^4-x^2+1)$  lgdogf  
A008757 8.31785  $[-(x^2+1)*(x^{12}-x^{10}+x^8-x^6+x^4-x^2+1)/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A008759 6.90907  $(-1-4*x-6*x^3-7*x^2-17*x^{16}-4*x^{17}+9*x^{18}-16*x^{15}+10*x^{19})/(x-1)/(x+1)/(1+x^2+x)/(x^{16}+1)$  lgdogf  
A008759 8.51993  $[-(x^{16}+1)/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A008761 5.39393  $(-1-4*x-6*x^3-7*x^2-18*x^{17}+11*x^{20}-19*x^{18}+12*x^{21}-4*x^{19})/(x-1)/(x+1)/(x^2+1)/(1+x^2+x)/(x^4-x^2+1)/(x^{12}-x^6+1)$  lgdogf  
A008761 8.51993  $[-(x^2+1)*(x^4-x^2+1)*(x^{12}-x^6+1)/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A008762 20.6216  $[x^3+x^2+2$  ogf\_with\_Euler\_transform]  
A008762 6.76171  $[1/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A008762 9.16793  $-(2+4*x+11*x^4+9*x^5+13*x^3+9*x^2)/(1+x^2+x)/(x^2+1)/(x-1)/(x+1)$  lgdogf  
A008763 10.0838  $[x^4/(x+1)^2/(x^2+x+1)/(x-1)^4$  ogf]  
A008763 20.4078  $-(1+6*x+8*x^3+9*x^2)/(1+x^2+x)/(x-1)/(x+1)$  lgdogf  
A008763 34.1350  $[x^2+2*x+1$  ogf\_with\_Euler\_transform]  
A008764 20.5293  $[-x^5+x^3+2*x^2+x+1$  ogf\_with\_Euler\_transform]  
A008764 7.75839  $[(x^2-x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A008764 9.87747  $-(1+3*x+8*x^4+x^6+10*x^5+10*x^3+8*x^2+7*x^7)/(x-1)/(x+1)/(x^2+1)/(1+x^2+x)/(x^2-x+1)$  lgdogf  
A008765 14.7696  $[-x^7+2*x^3+x^2+x+1$  ogf\_with\_Euler\_transform]  
A008765 6.06243  $-(1+4*x+16*x^4+8*x^6+18*x^5+18*x^3+8*x^2+10*x^7+6*x^9+7*x^8)/(x-1)/(x+1)/(x^2+1)/(1+x^2+x)/(x^4+1)$  lgdogf  
A008765 7.42994  $[(x^4+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A008766 12.2815  $[-x^9+x^4+x^3+x^2+x+1$  ogf\_with\_Euler\_transform]  
A008766 4.84376  $[(x^4-x^3+x^2-x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A008766 6.14931  $-(1+3*x+7*x^4+9*x^5+9*x^3+5*x^2+8*x^7+5*x^9+x^8)/(x-1)/(x+1)/(1+x^2+x)/(x^4-x^3+x^2-x+1)/(x^2+1)$  lgdogf  
A008767 8.35875  $[-x^7*(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]  
A008767 9.09084  $-2*(1+x+x^4+8*x^6+x^5+x^3+x^2+7*x^7)/(x-1)/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A008768 16.5164  $[-x^{13}+x^6+x^3+x^2+x+1$  ogf\_with\_Euler\_transform]  
A008768 5.88445  $[(x^6-x^5+x^4-x^3+x^2-x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A008768 6.67010  $-(1+3*x+2*x^4-x^6+8*x^5+9*x^3+x^{10}+5*x^2+3*x^{11}+9*x^7+6*x^9+2*x^8)/(x-1)/(x+1)/(1+x^2+x)/(x^6-x^5+x^4-x^3+x^2-x+1)/(x^2+1)$  lgdogf  
A008769 12.2608  $[-x^{15}+x^7+x^3+x^2+x+1$  ogf\_with\_Euler\_transform]  
A008769 5.01210  $-(1+4*x+11*x^4+10*x^5+8*x^{10}+8*x^2+3*x^{12}+12*x^9+9*x^8+2*x^{13}+8*x^7+6*x^{11}+14*x^3)/(x-1)/(x+1)/(x^2+1)/(1+x^2+x)/(x^8+1)$  lgdogf  
A008769 7.52048  $[(x^8+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A008770 12.2608  $[-x^{17}+x^8+x^3+x^2+x+1$  ogf\_with\_Euler\_transform]  
A008770 3.92789  $[(x^2-x+1)*(x^6-x^3+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A008771 12.5620  $[-x^{19}+x^9+x^3+x^2+x+1$  ogf\_with\_Euler\_transform]  
A008771 5.22088  $[(x^8-x^6+x^4-x^2+1)/(x+1)^2/(x^2+x+1)/(x-1)^4$  ogf]  
A008771 5.98457  $-(1+4*x-2*x^4-2*x^6-6*x^5+6*x^3+x^{10}+6*x^2+6*x^7+4*x^9+6*x^8)/(x-1)/(x+1)/(1+x^2+x)/(x^8-x^6+x^4-x^2+1)$  lgdogf  
A008772 12.3157  $[-x^{21}+x^{10}+x^3+x^2+x+1$  ogf\_with\_Euler\_transform]



A008773 10.1390  $[(x^4+1)*(x^8-x^4+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^4 \text{ ogf}]$   
A008773 16.4252  $[-x^{23}+x^{11}+x^3+x^2+x+1 \text{ ogf\_with\_Euler\_transform}]$   
A008776 14.9949  $[ \{a(n+1)-3*a(n), a(0) = 2\}, \text{ ogf} ]$   
A008776 31.1894  $[ -2/(3*x-1) \text{ ogf} ]$   
A008776 31.9336  $-1/3*\ln(2)+1/3*\ln(3*x+2) \text{ revegef}$   
A008776 76.6406  $-3/(3*x-1) \text{ lgdogf}$   
A008778 20.8221  $-(-5-x+2*x^2)/(x-1)/(x^2-x-1) \text{ lgdogf}$   
A008778 8.96217  $[ -(x^2-x-1)/(x-1)^4 \text{ ogf} ]$   
A008779 13.3355  $-(-7-6*x+2*x^3+6*x^2)/(x-1)/(x^3+x^2-2*x-1) \text{ lgdogf}$   
A008779 4.60566  $[ \{(n^2+n-6)*a(n+1)+(-3*n^2-21*n-72)*a(n+2)+(2*n^2+16*n+30)*a(n+3), a(0) = 1, a(1) = 7, a(2) = 24\}, \text{ ogf} ]$   
A008779 9.47601  $[ (x^3+x^2-2*x-1)/(x-1)^5 \text{ ogf} ]$   
A008780 11.4280  $-(-11-19*x+6*x^3+18*x^2)/(x-1)/(2*x^3+3*x^2-5*x-1) \text{ lgdogf}$   
A008780 6.09381  $[ -(2*x^3+3*x^2-5*x-1)/(x-1)^6 \text{ ogf} ]$   
A008785 11.9917  $1/9*3^{(2/3)}*(\ln(3)+\ln(x+1/3))/(x+1/3)^{(1/3)} \text{ revegef}$   
A008786 11.7106  $1/8*2^{(1/2)}*(2*\ln(2)+\ln(x+1/4))/(x+1/4)^{(1/4)} \text{ revegef}$   
A008787 12.2987  $1/25*5^{(4/5)}*(\ln(5)+\ln(x+1/5))/(x+1/5)^{(1/5)} \text{ revegef}$   
A008794 17.6041  $-(1+7*x+x^2+3*x^3)/(x-1)/(x+1)/(1+x^2) \text{ lgdogf}$   
A008794 23.2167  $[ [-x^3+3*x+1] \text{ ogf\_with\_Euler\_transform} ]$   
A008794 8.78934  $[ -x^2*(x^2+1)/(x+1)^2/(x-1)^3 \text{ ogf} ]$   
A008795 17.9301  $-3*x*(2+x^2-x)/(x-1)/(x+1)/(x^2-x+1) \text{ lgdogf}$   
A008795 22.5457  $[-x^5+x^2+3*x \text{ ogf\_with\_Euler\_transform}]$   
A008795 8.53531  $[ -(x^2-x+1)/(x+1)^2/(x-1)^3 \text{ ogf} ]$   
A008796 14.6788  $[-x*(x^6-x^2-x-2) \text{ ogf\_with\_Euler\_transform}]$   
A008796 8.62088  $[ -(x^4+1)/(x^2+x+1)/(x+1)^2/(x-1)^3 \text{ ogf} ]$   
A008796 9.18246  $-x*(4+4*x^3+3*x^5+4*x^4+11*x^2+7*x+3*x^6)/(x-1)/(x+1)/(x^2+x+1)/(x^4+1) \text{ lgdogf}$   
A008797 17.9199  $[-x^9+x^4+x^3+2*x \text{ ogf\_with\_Euler\_transform}]$   
A008797 6.11156  $[ -(x^4-x^3+x^2-x+1)/(x^2+1)/(x+1)^2/(x-1)^3 \text{ ogf} ]$   
A008797 8.33141  $-x*(4-7*x^3-3*x^5+7*x^4+12*x^2-4*x+3*x^6)/(x-1)/(x+1)/(1+x^2)/(x^4-x^3+x^2-x+1) \text{ lgdogf}$   
A008798 13.1636  $[-x^{11}+x*(x^4+x^3+2) \text{ ogf\_with\_Euler\_transform}]$   
A008798 5.63099  $-x*(4+9*x^3+6*x^5+15*x^4+4*x^2+3*x^9+4*x+3*x^{10}+4*x^6+4*x^8+4*x^7)/(x-1)/(x+1)/(1+x^2)/(1+x+x^4+x^3+x^2)/(x^4-x^2+1) \text{ lgdogf}$   
A008798 8.58713  $[ -(x^2+1)*(x^4-x^2+1)/(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^3 \text{ ogf} ]$   
A008799 12.9837  $[-x^{13}+x*(x^5+x^4+2) \text{ ogf\_with\_Euler\_transform}]$   
A008799 5.14350  $-x*(4-8*x^3-11*x^5+18*x^4+8*x^2-3*x^9-4*x+3*x^{10}+11*x^6+7*x^8-7*x^7)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6-x^5+x^4-x^3+x^2-x+1) \text{ lgdogf}$   
A008799 5.21686  $[ -(x^6-x^5+x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^2-x+1)/(x+1)^2/(x-1)^3 \text{ ogf} ]$   
A008800 15.5264  $[-x^{15}+x^6*(x+1)+2*x \text{ ogf\_with\_Euler\_transform}]$   
A008800 8.39710  $[ -(x^8+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^3 \text{ ogf} ]$   
A008801 15.8550  $[-x^{17}+x^7*(x+1)+2*x \text{ ogf\_with\_Euler\_transform}]$   
A008801 4.67634  $[ -(x^2-x+1)*(x^6-x^3+1)/(x^2+1)/(x^4+1)/(x+1)^2/(x-1)^3 \text{ ogf} ]$   
A008802 17.2034  $[-x^{19}+x^9+x^8+2*x \text{ ogf\_with\_Euler\_transform}]$   
A008802 8.20605  $[ -(x^2+1)*(x^8-x^6+x^4-x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x+1)^2/(x-1)^3 \text{ ogf} ]$   
A008803 23.8379  $[-x^{21}+x^{10}+x^9+2*x \text{ ogf\_with\_Euler\_transform}]$   
A008803 5.75665  $[ -(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x+1)^2/(x-1)^3 \text{ ogf} ]$   
A008804 12.9479  $[ 1/(x^2+1)/(x+1)^2/(x-1)^4 \text{ ogf} ]$   
A008804 20.0523  $-2*(1+2*x+x^2+4*x^3)/(x-1)/(x+1)/(1+x^2) \text{ lgdogf}$   
A008804 28.8786  $[ [x^3+x+2] \text{ ogf\_with\_Euler\_transform} ]$   
A008805 15.5522  $[ -1/(x+1)^2/(x-1)^3 \text{ ogf} ]$   
A008805 31.7183  $-(1+5*x)/(x-1)/(x+1) \text{ lgdogf}$   
A008805 39.0828  $[ [1+2*x] \text{ ogf\_with\_Euler\_transform} ]$   
A008805 6.15126  $[ \{(n+3)*a(n+3)-a(n+2)+(-6-n)*a(n+1), a(0) = 1, a(1) = 1, a(2) = 3\}, \text{ ogf} ]$   
A008806 11.6420  $-2*x*(2+3*x+2*x^2+2*x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) \text{ lgdogf}$

A008806 22.7775 [-x^5+2\*x^2+2\*x ogf\_with\_Euler\_transform]  
A008806 8.62088 [- (x^2-x+1)/(x+1)/(x^2+x+1)/(x-1)^3 ogf]  
A008807 22.8335 [-x^9+2\*x^4+2\*x ogf\_with\_Euler\_transform]  
A008807 6.10291 [- (x^4-x^3+x^2-x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3 ogf]  
A008807 7.64189 -2\*x\*(2+2\*x^2+5\*x^3+2\*x^4+2\*x^6+2\*x^8)/(x-1)/(x+1)/  
(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) lgdogf  
A008808 21.8711 [-x^13+2\*x^6+2\*x ogf\_with\_Euler\_transform]  
A008808 5.23029 [- (x^6-x^5+x^4-x^3+x^2-x+1)/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/  
(x-1)^3 ogf]  
A008808 5.64633 -2\*x\*(2+2\*x^2+2\*x^4+7\*x^5+2\*x^6+2\*x^8+2\*x^10+2\*x^12)/(x-1)/  
(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(1-x+x^2-x^3+x^4-x^5+x^6) lgdogf  
A008809 22.2906 [-x^17+2\*x^8+2\*x ogf\_with\_Euler\_transform]  
A008809 4.66300 [- (x^2-x+1)\*(x^6-x^3+1)/(x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3  
ogf]  
A008809 5.50387  
-2\*x\*(2+2\*x^2+2\*x^4+2\*x^6+9\*x^7+2\*x^8+2\*x^10+2\*x^12+2\*x^14+2\*x^16)/(x-1)/(x^2+x  
+1)/(x^6+x^3+1)/(x+1)/(x^2-x+1)/(x^6-x^3+1) lgdogf  
A008810 11.5199 [- (x^2-x+1)\*(x+1)\*x/(x^2+x+1)/(x-1)^3 ogf]  
A008810 14.2901 -2\*(1+x+4\*x^2+x^3+x^4+x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)  
lgdogf  
A008810 28.8715 [-x^5+2\*x^2+2 ogf\_with\_Euler\_transform]  
A008811 10.2768 -2\*(x^3-x^2+x+1)\*(x^4+2\*x^3+2\*x^2+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)  
lgdogf  
A008811 22.9602 [-x^7+2\*x^3+2 ogf\_with\_Euler\_transform]  
A008811 9.16977 [-x\*(x^4+1)/(x+1)/(x^2+1)/(x-1)^3 ogf]  
A008812 22.1716 [-x^9+2\*x^4+2 ogf\_with\_Euler\_transform]  
A008812 7.01117 -2\*(1+x+x^2+x^3+6\*x^4+x^5+x^6+x^7+x^8+x^9)/(x-1)/(x+1)/  
(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) lgdogf  
A008812 8.85603 [- (x+1)\*(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3 ogf]  
A008813 22.3131 [-x^11+2\*x^5+2 ogf\_with\_Euler\_transform]  
A008813 6.31942 -2\*(1+x+x^2+x^3+x^4+7\*x^5+x^6+x^7+x^8+x^9+x^10+x^11)/(x-1)/(x  
+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) lgdogf  
A008813 9.21736 [- (x^2+1)\*(x^4-x^2+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3 ogf]  
A008814 22.0536 [-x^13+2\*x^6+2 ogf\_with\_Euler\_transform]  
A008814 5.15393 -2\*(1+x+x^2+x^3+x^4+x^5+8\*x^6+x^7+x^8+x^9+x^10+x^11+x^12+x^13)/  
(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(1-x+x^2-x^3+x^4-x^5+x^6) lgdogf  
A008814 9.11018 [- (x+1)\*(x^6-x^5+x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/  
(x-1)^3 ogf]  
A008815 21.7942 [-x^15+2\*x^7+2 ogf\_with\_Euler\_transform]  
A008815 5.94047 -2\*(1+x  
+x^2+x^3+x^4+x^5+x^6+9\*x^7+x^8+x^9+x^10+x^11+x^12+x^13+x^14+x^15)/(x-1)/(x+1)/  
(x^2+1)/(x^4+1)/(x^8+1) lgdogf  
A008815 8.88134 [- (x^8+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^3 ogf]  
A008816 22.0377 [-x^17+2\*x^8+2 ogf\_with\_Euler\_transform]  
A008816 8.85972 [- (x+1)\*(x^2-x+1)\*(x^6-x^3+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3  
ogf]  
A008817 21.7769 [-x^19+2\*x^9+2 ogf\_with\_Euler\_transform]  
A008817 8.52748 [- (x^2+1)\*(x^8-x^6+x^4-x^2+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-  
x^3+x^2-x+1)/(x-1)^3 ogf]  
A008818 8.15508 [- (x^3+x^2-x+1)/(x^2+1)/(x+1)^2/(x-1)^3 ogf]  
A008818 9.94872 -2\*x\*(2-x^3+2\*x^5+3\*x^4+5\*x^2+x)/(x-1)/(x+1)/(x^2+1)/(x^3+x^2-x  
+1) lgdogf  
A008819 4.96407 [- (x^7-x^6+x^5+x^4-x^3+x^2-x+1)/(x^2+1)/(x^4+1)/(x+1)^2/(x-1)^3  
ogf]  
A008822 10.1319 -2\*(1+3\*x+4\*x^4+x^5+3\*x^3+6\*x^2)/(x-1)/(x^2+x+1)/(x^3+2\*x^2+1)  
lgdogf  
A008822 7.94212 [- (x^3+2\*x^2+1)/(x^2+x+1)/(x-1)^3 ogf]  
A008823 7.14417 -2\*(1+x+8\*x^4+3\*x^6+3\*x^5+3\*x^3+4\*x^2+5\*x^7+x^9+x^8)/(x-1)/  
(x^4+x^3+x^2+x+1)/(x^5+2\*x^3+1) lgdogf  
A008823 8.12810 [- (x^5+2\*x^3+1)/(x^4+x^3+x^2+x+1)/(x-1)^3 ogf]  
A008824 8.22032 [- (x^3-x+1)\*(x^4+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3

ogf]  
 A008825 9.93713 [  $-(x^9+2x^5+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3$  ogf]  
 A008838 12.9871  $-2*(1+x^2+x^4+x^6+8x^7)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  lgdogf  
 A008838 4.45107 [  $-x^8/(x+1)/(x^2+1)^2/(x^4+1)^2/(x-1)^3$  ogf]  
 A008843 4.33747 [  $\{a(n+3)-35a(n+2)+35a(n+1)-a(n), a(0) = 1, a(1) = 49, a(2) = 1681\}$ , ogf]  
 A008843 7.99720 [  $-(x^2+14x+1)/(x-1)/(x^2-34x+1)$  ogf]  
 A008843 8.21294  $-(49-68x+x^4+28x^3-522x^2)/(x-1)/(x^2-34x+1)/(x^2+14x+1)$  lgdogf  
 A008844 10.4032 [  $-(x^2-10x+1)/(x-1)/(x^2-34x+1)$  ogf]  
 A008844 5.69063 [  $\{-a(n+3)+35a(n+2)-35a(n+1)+a(n), a(0) = 1, a(1) = 25, a(2) = 841\}$ , ogf]  
 A008844 8.03536  $-(25-68x+x^4-20x^3+318x^2)/(x-1)/(x^2-10x+1)/(x^2-34x+1)$  lgdogf  
 A008845 14.1070 [  $-48x/(x-1)/(x^2-34x+1)$  ogf]  
 A008845 14.3140  $-(35-70x+3x^2)/(x^2-34x+1)/(x-1)$  lgdogf  
 A008845 5.78750 [  $\{a(n+3)-35a(n+2)+35a(n+1)-a(n), a(0) = 0, a(1) = 48, a(2) = 1680\}$ , ogf]  
 A008851 14.9156 [  $x*(4x+1)/(x+1)/(x-1)^2$  ogf]  
 A008851 24.6414  $-(5+7x+8x^2)/(x-1)/(4x+1)/(x+1)$  lgdogf  
 A008851 7.65936 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$ , ogf]  
 A008852 10.6036 [  $x*(24x^3+51x^2+24x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
 A008852 8.53914  $-(25+127x+171x^4+48x^6+177x^5+104x^3+148x^2)/(x-1)/(x+1)/(x^2+1)/(24x^3+51x^2+24x+1)$  lgdogf  
 A008853 7.24330  $-2*(188+437x+1062x^4+375x^6+561x^5+502x^3+875x^2)/(x-1)/(x+1)/(x^2+1)/(375x^3+249x^2+375x+1)$  lgdogf  
 A008853 9.40144 [  $x*(375x^3+249x^2+375x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
 A008854 12.8912 [  $x*(x^2+3x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
 A008854 15.2845  $-2*(2+3x+x^4+5x^3+4x^2)/(x-1)/(x+x^2+1)/(x^2+3x+1)$  lgdogf  
 A008854 5.14067 [  $\{(-n-3)*a(n+1)-a(n+2)-a(n+3)+(n+2)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 5\}$ , ogf]  
 A008856 6.99762 [  $x*(x^8+23x^7+x^6+24x^5+2x^4+24x^3+x^2+23x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
 A008857 8.11238 [  $-x^9*(x+1)/(x^2+x+1)^2/(x^6+x^3+1)^2/(x-1)^3$  ogf]  
 A008857 8.58098  $-2*(1+x+x^4+x^6+x^5+x^3+x^2+x^7+9x^9+10x^8)/(x-1)/(x+1)/(x+x^2+1)/(x^6+x^3+1)$  lgdogf  
 A008859 5.44366 [  $-(x^6-3x^5+9x^4-13x^3+11x^2-5x+1)/(x-1)^7$  ogf]  
 A008859 9.07515  $-(2-8x+12x^4+x^6-16x^3+16x^2)/(x-1)/(x^6-3x^5+9x^4-13x^3+11x^2-5x+1)$  lgdogf  
 A008860 4.98250 [  $(2x^2-2x+1)*(2x^4-4x^3+6x^2-4x+1)/(x-1)^8$  ogf]  
 A008860 7.78981  $-2*(1-5x+14x^4+4x^6-6x^5-16x^3+12x^2)/(x-1)/(2x^2-2x+1)/(2x^4-4x^3+6x^2-4x+1)$  lgdogf  
 A008861 4.16940 [  $-(x^2-x+1)*(x^6-3x^5+12x^4-19x^3+15x^2-6x+1)/(x-1)^9$  ogf]  
 A008861 6.74459  $-(2-12x+60x^4+20x^6-40x^5-56x^3+34x^2+x^8)/(x-1)/(x^2-x+1)/(x^6-3x^5+12x^4-19x^3+15x^2-6x+1)$  lgdogf  
 A008862 3.90554 [  $(x^4-2x^3+4x^2-3x+1)*(5x^4-10x^3+10x^2-5x+1)/(x-1)^{10}$  ogf]  
 A008862 6.14073  $-2*(1-7x+58x^4+30x^6-50x^5-45x^3+23x^2-10x^7+5x^8)/(x-1)/(x^4-2x^3+4x^2-3x+1)/(5x^4-10x^3+10x^2-5x+1)$  lgdogf  
 A008863 3.62059 [  $-(x^{10}-5x^9+25x^8-70x^7+130x^6-166x^5+148x^4-91x^3+37x^2-9x+1)/(x-1)^{11}$  ogf]  
 A008865 13.4035 [  $(2x^2-5x+1)/(x-1)^3$  ogf]  
 A008865 23.0250  $-2*(-1-3x+x^2)/(x-1)/(2x^2-5x+1)$  lgdogf  
 A008865 7.30011 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = -1, a(1) = 2, a(2) = 7\}$ , ogf]  
 A008893 19.8735  $-3*(11+20x+4x^2)/(x-1)/(4x^2+13x+4)$  lgdogf  
 A008893 3.88976 [  $\{(12+4n)*a(n+4)+(-15+9n)*a(n+3)+(-69-9n)*a(n+2)+(-12-4n)*a(n+1), a(0) = 0, a(1) = 8, a(2) = 66, a(3) = 258\}$ , ogf]  
 A008893 9.35395 [  $-2x*(4x^2+13x+4)/(x-1)^5$  ogf]  
 A008894 4.62571 [  $(23x^{13}+46x^{12}-x^{11}+31x^{10}-x^9-2x^8-47x^7-$

$x^6-2*x^5-13*x^4-26*x^3-9*x^2-18*x-36)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A008911 33.7304  $-2*(3+2*x)/(x-1)/(x+1)$  lgdogf  
A008911 35.4214 [[6-x] ogf\_with\_Euler\_transform]  
A008911 5.67685 [  $\{(n+1)*a(n+3)-6*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A008911 9.48537 [  $-2*(x+1)*x^2/(x-1)^5$  ogf]  
A008921 3.62327 [  $-(x+1)*(x^6+624*x^5+1959*x^4+1744*x^3+519*x^2+48*x+1)/(x-1)^7$  ogf]  
A008922 3.53538 [  $(x+1)*(x^6+624*x^5+1959*x^4+1744*x^3+519*x^2+48*x+1)/(x-1)^8$  ogf]  
A008931 13.3384  $-3+(1-36*x)*f(x)+(3*x-108*x^2)*f(x)^2$  lgdogf  
A008931 5.21621 [  $\{(-108*n^2-306*n-210)*a(n+1)+(3*n^2+13*n+14)*a(n+2), a(0) = 1, a(1) = 3\}$ , ogf]  
A008936 11.1443 [  $-(x^4+2*x-1)/(2*x-1)^2$  ogf]  
A008936 15.0761  $2*(1-2*x+2*x^4-2*x^3)/(2*x-1)/(x^4+2*x-1)$  lgdogf  
A008936 4.65076 [  $\{-a(n+5)+4*a(n+4)-4*a(n+3), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8, a(4) = 15\}$ , ogf]  
A008937 23.4558  $-2*(-1+2*x^3)/(x-1)/(x^3+x^2+x-1)$  lgdogf  
A008937 23.7815 [  $x/(x-1)/(x^3+x^2+x-1)$  ogf]  
A008954 6.90775 [  $-x*(x^{12}+3*x^{11}+6*x^{10}+5*x^8+5*x^6+5*x^4+6*x^2+3*x+1)/(x-1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A008959 6.72092 [  $-x*(x^8+4*x^7+9*x^6+6*x^5+5*x^4+6*x^3+9*x^2+4*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A008960 7.24924 [  $-x*(9*x^8+2*x^7+3*x^6+6*x^5+5*x^4+4*x^3+7*x^2+8*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A008977 3.24085 [  $\{(256*n^3+1152*n^2+1712*n+840)*a(n+1)+(-n^3-6*n^2-12*n-8)*a(n+2), a(0) = 1, a(1) = 24\}$ , ogf]  
A008998 23.1049 [  $-1/(x^3+2*x-1)$  ogf]  
A008998 32.5478  $-(2+3*x^2)/(-1+2*x+x^3)$  lgdogf  
A008998 8.11131 [  $\{-a(n+3)+2*a(n+2)+a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A008999 11.2675  $-a(n+4)+2*a(n+3)+a(n), a(0)=2, a(1)=4, a(2)=8, a(3)=20$  lgdogf  
A008999 18.1630 [  $-1/(x^4+2*x-1)$  ogf]  
A009001 14.5966 [  $-(x^3-x^2-x-1)/(x^2+1)^2$  ogf]  
A009001 26.6200  $-(x^2-4*x+1)*(x+1)^2/(x^2+1)/(x^3-x^2-x-1)$  lgdogf  
A009005 17.7847 [  $-(x^2+x-3)/(x-1)^2$  ogf]  
A009005 37.0150  $-(-5+3*x)/(x-1)/(x^2+x-3)$  lgdogf  
A009005 9.24109 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 3, a(1) = 5, a(2) = 6\}$ , ogf]  
A009014 12.2885 [  $2*(x+1)/(x^2+2*x+2)$  egf]  
A009014 22.6130  $-x*(x+2)/(x+1)/(x^2+2*x+2)$  lgdegf  
A009056 11.6362 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 3, a(1) = 4\}$ , ogf]  
A009056 21.2037 [  $-(2*x-3)/(x-1)^2$  ogf]  
A009056 28.3908  $-1/2*(-3-2*x+(9+4*x)^{(1/2)})/(2+x)$  revogf  
A009056 42.5862  $-2*(x-2)/(x-1)/(2*x-3)$  lgdogf  
A009102 3.49006 [  $\{(n+2)*a(n+1)+a(n+2)+(n+4)*a(n+3)+a(n+4), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = -3\}$ , ogf]  
A009116 14.9729 [  $(x+1)/(2*x^2+2*x+1)$  ogf]  
A009116 22.5041  $-(1+4*x+2*x^2)/(x+1)/(2*x^2+2*x+1)$  lgdogf  
A009116 8.21682 [  $\{-a(n+2)-2*a(n+1)-2*a(n), a(0) = 1, a(1) = -1\}$ , ogf]  
A009117 10.4078 [  $\{-a(n+2)-4*a(n+1), a(0) = 1, a(1) = -2\}$ , ogf]  
A009117 20.2531 [  $(2*x+1)/(4*x+1)$  ogf]  
A009117 28.8402  $-1/4+x+1/4*(1+16*x^2)^{(1/2)}$  revogf  
A009117 43.2603  $-2/(2*x+1)/(4*x+1)$  lgdogf  
A009120 3.80843 [  $\{(64*n^2+192*n+140)*a(n+1)-a(n+2), a(0) = 1, a(1) = 12\}$ , ogf]  
A009132 16.7449  $-(2+2*x+x^3+2*x^2)/(x+1)/(x^2+2*x+2)$  lgdegf  
A009132 3.43852 [  $\{(n^2+4*n+4)*a(n+1)+(n^2+4*n+2)*a(n+2)+a(n+3)*n, a(0) = 1, a(1) = -1, a(2) = 2, a(3) = -7\}$ , ogf]  
A009179 3.58288 [  $\{(n+2)*a(n+1)+a(n+2)+(-n-4)*a(n+3)-a(n+4), a(0) = 1, a(1) = -1, a(2) = 3, a(3) = -9\}$ , ogf]  
A009189 41.1160  $-\sin(x)*x+\cos(x)$  lgdegf  
A009198 17.4927  $-1/(x+1)*\exp(-x)*(ln(x+1)*x+ln(x+1)-1)$  lgdegf  
A009199 38.1456  $2/(x+1)*ln(x+1)$  lgdegf

A009200 33.4863  $\cos(\ln(x+1))/(x+1)$  lgdegf  
A009206 112.404  $\cos(x)$  lgdegf  
A009209 13.5065  $-a(n)+(-2-3^n-n^2)*a(n+2), a(0)=0, a(1)=0, a(2)=-1/2$  lgdegf  
A009210 12.6034  $4*a(n+1)+(5^n+6+n^2)*a(n+3), a(0)=1, a(1)=0, a(2)=-2$  lgdegf  
A009212 28.2194  $\exp(x)*(\sin(x)+\cos(x))$  lgdegf  
A009216 27.1458  $-\exp(-x)*(\sin(x)-\cos(x))$  lgdegf  
A009218 15.6179  $(2+2*x+x^2)*f(x)+(-2-4*x-2*x^2)*f(x)^2$  lgdegf  
A009224 12.3706  $a(n+1)+(-5^n-6-n^2)*a(n+3), a(0)=1, a(1)=0, a(2)=1/2$  lgdegf  
A009227 12.2345  $-a(n)+(2+3^n+n^2)*a(n+2), a(0)=0, a(1)=0, a(2)=1/2$  lgdegf  
A009229 11.0914  $4*a(n+1)+(-5^n-6-n^2)*a(n+3), a(0)=1, a(1)=0, a(2)=2$  lgdegf  
A009235 17.2756  $(-n-2)*a(n+2)-2*a(n+1), a(0)=1, a(1)=-2$  lgdegf  
A009257 29.4139  $4*(x+1)/(x^2+2*x+2)^2$  lgdegf  
A009281 15.8315  $(2+6*x+x^3+4*x^2)/(x+1)/(x^2+2*x+2)$  lgdegf  
A009282 15.4030  $a(n)+(2+3^n+n^2)*a(n+2), a(0)=2, a(1)=0, a(2)=-1/2$  lgdegf  
A009283 15.2266  $-a(n)+(2+3^n+n^2)*a(n+2), a(0)=2, a(1)=0, a(2)=1/2$  lgdegf  
A009294 17.2004  $(2+2*x+x^3+2*x^2)/(x+1)/(x^2+2*x+2)$  lgdegf  
A009440 9.58209  $2*(53-114750*x^16+54000*x^17+61200*x^15)/(x-1)/$   
 $(7200*x^17-7650*x^16+45*x^2-90*x-8)$  lgdogf  
A009440 9.64442  $[-2*(7200*x^17-7650*x^16+45*x^2-90*x-8)/(x-1)^2$  ogf]  
A009441 9.11620  $2*(107-175500*x^14+94500*x^13+81900*x^15)/(x-1)/$   
 $(12600*x^15-13500*x^14+90*x^2-180*x-17)$  lgdogf  
A009441 9.73331  $[-(12600*x^15-13500*x^14+90*x^2-180*x-17)/(x-1)^2$  ogf]  
A009445 7.38414  $[{(4*n^2+18*n+20)*a(n+1)-a(n+2), a(0) = 1, a(1) = 6},$  ogf]  
A009454 3.73548  $[{(-n^2-2*n-2)*a(n+1)+(-2*n-3)*a(n+2)-a(n+3), a(0) = 0, a(1) =$   
 $1, a(2) = -1},$  ogf]  
A009470 10.4461  $4*(3+1950*x^11-3575*x^12+1650*x^13)/(x-1)/$   
 $(600*x^13-650*x^12+5*x^2-10*x-1)$  lgdogf  
A009470 9.48994  $[-18*(600*x^13-650*x^12+5*x^2-10*x-1)/(x-1)^2$  ogf]  
A009474 9.03110  $2*(109+59400*x^10-108000*x^11+49500*x^12)/(x-1)/$   
 $(9900*x^12-10800*x^11+90*x^2-180*x-19)$  lgdogf  
A009474 9.65035  $[-(9900*x^12-10800*x^11+90*x^2-180*x-19)/(x-1)^2$  ogf]  
A009531 14.4080  $[x*(x+1)^2/(x^2+1)^2$  ogf]  
A009531 30.2209  $[[2*x^3-4*x+2]$  ogf\_with\_Euler\_transform]  
A009531 35.9133  $-2*(-1+2*x+x^2)/(x+1)/(1+x^2)$  lgdogf  
A009531 4.69995  $[{(n+3)*a(n+4)+n*a(n+3)+(5+n)*a(n+2)+(n+2)*a(n+1), a(0) = 0,$   
 $a(1) = 1, a(2) = 2, a(3) = -1},$  ogf]  
A009545 10.4363  $[{a(n+2)-2*a(n+1)+2*a(n), a(0) = 0, a(1) = 1},$  ogf]  
A009545 25.6165  $[x/(2*x^2-2*x+1)$  ogf]  
A009545 39.6460  $-2*(2*x-1)/(2*x^2+1-2*x)$  lgdogf  
A009551 3.54883  $[{(n+2)*a(n+1)-a(n+2)+(n+4)*a(n+3)-a(n+4), a(0) = 0, a(1) = 1,$   
 $a(2) = 2, a(3) = 5},$  ogf]  
A009564 6.33693  $[{(64*n^2+256*n+252)*a(n+1)+a(n+2), a(0) = 1, a(1) = -60},$  ogf]  
A009574 24.2238  $(1+3*x+x^2)/(x+2)/(x+1)$  lgdegf  
A009574 3.26594  $[{(-n^2-6*n-8)*a(n+1)+(n^2+4*n+2)*a(n+2)+(n+2)*a(n+3), a(0) = 0,$   
 $a(1) = 1, a(2) = 1},$  ogf]  
A009578 25.1173  $-(3+3*x+x^2)/(x+2)/(x+1)$  lgdegf  
A009628 4.02025  $[{(n+2)*a(n+1)+a(n+2)+(-n-4)*a(n+3)-a(n+4), a(0) = 0, a(1) = 1,$   
 $a(2) = -2, a(3) = 7},$  ogf]  
A009759 5.19199  $[{-a(n+3)+7*a(n+2)-7*a(n+1)+a(n), a(0) = -3, a(1) = 0, a(2) =$   
 $17},$  ogf]  
A009759 9.37908  $[(4*x^2-21*x+3)/(x-1)/(x^2-6*x+1)$  ogf]  
A009759 9.43302  $-2*x*(-17+2*x^3-21*x^2+64*x)/(x-1)/(1-6*x+x^2)/(4*x^2-21*x+3)$   
lgdogf  
A009769 12.5702  $[(2*x+1)/(2*x^2+2*x+1)$  egf]  
A009769 18.6428  $-4*(x+1)*x/(2*x+1)/(2*x^2+2*x+1)$  lgdegf  
A009775 12.0872  $[x*(x+2)/(x^2+2*x+2)$  egf]  
A009775 21.0300  $-(2+4*x+x^2)/(x+2)/(x^2+2*x+2)$  lgdegf  
A009778 17.2900  $(2+2*x+x^3+3*x^2)/(x+2)/(x^2+2*x+2)$  lgdegf  
A009782 16.3997  $-(x+1)*(x^2+4*x+6)/(x+2)/(x^2+2*x+2)$  lgdegf  
A009866 5.57329  $[-(x^4+x^3+x^2+x+1)*(x^6+x^5+2*x^4-x^3+2*x^2+x+1)/(x+1)/$   
 $(x^2+1)/(x^4+1)/(x-1)^3$  ogf]

A009923 5.36961 [  $-(6x^9-5x^8+8x^7+29x^6+82x^5+88x^4+68x^3+35x^2+8x+1)/(x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A009924 6.26060  $-2*(5+29x+174x^2+85x^3+154x^4+146x^5+89x^6+33x^7+5x^8)/(x-1)/(x^2+x+1)/(x^3+4x^2+2x+1)/(x^4+5x^3+6x^2+7x+1)$  lgdogf  
A009924 6.33241 [  $-(x^3+4x^2+2x+1)*(x^4+5x^3+6x^2+7x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A009925 7.92528 [  $-(x^6+4x^5+19x^4+12x^3+19x^2+4x+1)/(x-1)^3/(x+1)^3$  ogf]  
A009925 8.26823  $-4*(1+11x+14x^2+11x^3+38x^4+14x^5)/(x-1)/(x+1)/(x^6+4x^5+19x^4+12x^3+19x^2+4x+1)$  lgdogf  
A009926 7.88522 [  $-(x^6+8x^5+9x^4+24x^3+9x^2+8x+1)/(x-1)^3/(x+1)^3$  ogf]  
A009926 8.51152  $-8*(1+3x+14x^2+3x^3+9x^4+14x^5)/(x-1)/(x+1)/(x^6+8x^5+9x^4+24x^3+9x^2+8x+1)$  lgdogf  
A009928 3.93996 [  $-(4x^{13}-4x^{12}-11x^{10}+33x^9+57x^8+124x^7+146x^6+150x^5+122x^4+76x^3+37x^2+13x+1)/(x+1)/(x^2+x+1)/(x^2+1)^2/(x-1)^3$  ogf]  
A009940 28.1618  $-x+(-1+2x-x^2)*f(x)$  lgdegf  
A009940 3.88662 [  $\{(n^2+4n+4)*a(n+1)+(-2n-4)*a(n+2)+a(n+3), a(0) = 1, a(1) = 0, a(2) = -1\}$ , ogf]  
A009941 5.81890  $-(11+94x+610x^2+272x^3+506x^4+506x^5+272x^6+94x^7+11x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^6+10x^5+35x^4+40x^3+35x^2+10x+1)$  lgdogf  
A009941 6.61276 [  $-(x^6+10x^5+35x^4+40x^3+35x^2+10x+1)/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A009942 5.84814  $-2*(7+44x+302x^2+142x^3+250x^4+250x^5+142x^6+44x^7+7x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^6+13x^5+29x^4+46x^3+29x^2+13x+1)$  lgdogf  
A009942 6.64533 [  $-(x^6+13x^5+29x^4+46x^3+29x^2+13x+1)/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A009943 8.47351  $2*(-3-18x-5x^2+x^3-2x^4-12x^5-33x^6)/(x-1)/(x+1)/(2x^5-5x^4+10x^3+12x^2+4x+1)$  lgdogf  
A009943 8.64644 [  $-(2x^5-5x^4+10x^3+12x^2+4x+1)/(x+1)/(x-1)^3$  ogf]  
A009945 6.92744  $-2*(3+12x+46x^2+30x^3+40x^4+40x^5+30x^6+12x^7+3x^8)/(x-1)/(x+1)/(x^2+1)/(x^3+3x^2+x+1)/(x^3+x^2+3x+1)$  lgdogf  
A009945 7.12884 [  $-(x^3+3x^2+x+1)*(x^3+x^2+3x+1)/(x+1)/(x^2+1)/(x-1)^3$  ogf]  
A009946 10.1841 [  $-(x^4+4x^3+8x^2+4x+1)/(x+1)/(x-1)^3$  ogf]  
A009946 11.4768  $-2*(3+14x+3x^2+14x^3+20x^4)/(x-1)/(x+1)/(x^4+4x^3+8x^2+4x+1)$  lgdogf  
A009947 11.1159 [  $x^2*(x^3+x^2+2x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A009947 11.4821  $-(x+1)*(3x^4+x^3+9x^2+2)/(x-1)/(x^2+x+1)/(x^3+x^2+2x+1)$  lgdogf  
A009948 6.15834  $-4*(3+15x+56x^2+33x^3+47x^4+47x^5+33x^6+15x^7+3x^8)/(x-1)/(x+1)/(x^2+1)/(x^6+10x^5+19x^4+24x^3+19x^2+10x+1)$  lgdogf  
A009948 6.61276 [  $-(x^6+10x^5+19x^4+24x^3+19x^2+10x+1)/(x+1)/(x^2+1)/(x-1)^3$  ogf]  
A009955 5.31890 [  $-(x^8+7x^7+20x^6+41x^5+50x^4+41x^3+20x^2+7x+1)/(x^2+x+1)/(x-1)^3/(x+1)^3$  ogf]  
A009956 4.53701 [  $-(x^{12}+x^{11}-4x^{10}+5x^9+20x^8+35x^7+65x^6+60x^5+50x^4+33x^3+17x^2+4x+1)/(x^2+1)^2/(x-1)^3/(x+1)^3$  ogf]  
A009957 7.84172 [  $-(x^6+6x^5+17x^4+26x^3+15x^2+6x+1)/(x-1)^3/(x+1)^3$  ogf]  
A009957 8.00985  $-2*(3+18x+54x^2+3x^3+20x^4+64x^5+54x^6)/(x-1)/(x+1)/(x^6+6x^5+17x^4+26x^3+15x^2+6x+1)$  lgdogf  
A009964 23.1890 [  $-1/(20x-1)$  ogf]  
A009964 33.2711  $1/20*\ln(1+20x)$  revegf  
A009964 38.3897  $-20/(-1+20x)$  lgdogf  
A009964 9.62560 [  $\{a(n+1)-20a(n), a(0) = 1\}$ , ogf]  
A009965 17.9225 [  $\{a(n+1)-21a(n), a(0) = 1\}$ , ogf]  
A009965 43.1768 [  $-1/(21x-1)$  ogf]  
A009965 62.5141  $1/21*\ln(1+21x)$  revegf  
A009965 72.1317  $-21/(-1+21x)$  lgdogf  
A009966 18.2671 [  $\{a(n+1)-22a(n), a(0) = 1\}$ , ogf]

A009966 44.0071 [  $-1/(22*x-1)$  ogf]  
A009966 63.7320  $1/22*\ln(1+22*x)$  revegf  
A009966 73.5369  $-22/(-1+22*x)$  lgdogf  
A009967 18.4395 [ $\{a(n+1)-23*a(n), a(0) = 1\}$ , ogf]  
A009967 44.4223 [  $-1/(23*x-1)$  ogf]  
A009967 64.3409  $1/23*\ln(1+23*x)$  revegf  
A009967 74.2394  $-23/(-1+23*x)$  lgdogf  
A009968 18.6692 [ $\{a(n+1)-24*a(n), a(0) = 1\}$ , ogf]  
A009968 44.9759 [  $-1/(24*x-1)$  ogf]  
A009968 65.1527  $1/24*\ln(1+24*x)$  revegf  
A009968 75.1762  $-24/(-1+24*x)$  lgdogf  
A009969 18.7841 [ $\{a(n+1)-25*a(n), a(0) = 1\}$ , ogf]  
A009969 45.2526 [  $-1/(25*x-1)$  ogf]  
A009969 65.5587  $1/25*\ln(1+25*x)$  revegf  
A009969 75.6446  $-25/(-1+25*x)$  lgdogf  
A009970 19.0713 [ $\{a(n+1)-26*a(n), a(0) = 1\}$ , ogf]  
A009970 45.9445 [  $-1/(26*x-1)$  ogf]  
A009970 66.5735  $1/26*\ln(1+26*x)$  revegf  
A009970 76.8156  $-26/(-1+26*x)$  lgdogf  
A009971 10.4626 [ $\{a(n+1)-27*a(n), a(0) = 1\}$ , ogf]  
A009971 25.2054 [  $-1/(27*x-1)$  ogf]  
A009971 36.2285  $1/27*\ln(1+27*x)$  revegf  
A009971 41.8021  $-27/(-1+27*x)$  lgdogf  
A009972 10.5149 [ $\{a(n+1)-28*a(n), a(0) = 1\}$ , ogf]  
A009972 25.3314 [  $-1/(28*x-1)$  ogf]  
A009972 36.4133  $1/28*\ln(1+28*x)$  revegf  
A009972 42.0154  $-28/(-1+28*x)$  lgdogf  
A009973 10.6195 [ $\{a(n+1)-29*a(n), a(0) = 1\}$ , ogf]  
A009973 25.5835 [  $-1/(29*x-1)$  ogf]  
A009973 36.7830  $1/29*\ln(1+29*x)$  revegf  
A009973 42.4420  $-29/(-1+29*x)$  lgdogf  
A009974 10.6718 [ $\{a(n+1)-30*a(n), a(0) = 1\}$ , ogf]  
A009974 25.7095 [  $-1/(30*x-1)$  ogf]  
A009974 36.9679  $1/30*\ln(1+30*x)$  revegf  
A009974 42.6552  $-30/(-1+30*x)$  lgdogf  
A009975 10.6718 [ $\{a(n+1)-31*a(n), a(0) = 1\}$ , ogf]  
A009975 25.7095 [  $-1/(31*x-1)$  ogf]  
A009975 36.9679  $1/31*\ln(1+31*x)$  revegf  
A009975 42.6552  $-31/(-1+31*x)$  lgdogf  
A009976 23.0184 [  $-1/(32*x-1)$  ogf]  
A009976 33.0382  $1/32*\ln(1+32*x)$  revegf  
A009976 38.1210  $-32/(-1+32*x)$  lgdogf  
A009976 9.55481 [ $\{a(n+1)-32*a(n), a(0) = 1\}$ , ogf]  
A009977 23.0184 [  $-1/(33*x-1)$  ogf]  
A009977 33.0382  $1/33*\ln(1+33*x)$  revegf  
A009977 38.1210  $-33/(-1+33*x)$  lgdogf  
A009977 9.55481 [ $\{a(n+1)-33*a(n), a(0) = 1\}$ , ogf]  
A009978 23.0184 [  $-1/(34*x-1)$  ogf]  
A009978 33.0382  $1/34*\ln(1+34*x)$  revegf  
A009978 38.1210  $-34/(-1+34*x)$  lgdogf  
A009978 9.55481 [ $\{a(n+1)-34*a(n), a(0) = 1\}$ , ogf]  
A009979 23.1415 [  $-1/(35*x-1)$  ogf]  
A009979 33.2187  $1/35*\ln(1+35*x)$  revegf  
A009979 38.3293  $-35/(-1+35*x)$  lgdogf  
A009979 9.60591 [ $\{a(n+1)-35*a(n), a(0) = 1\}$ , ogf]  
A009980 23.3877 [  $-1/(36*x-1)$  ogf]  
A009980 33.5798  $1/36*\ln(1+36*x)$  revegf  
A009980 38.7459  $-36/(-1+36*x)$  lgdogf  
A009980 9.70811 [ $\{a(n+1)-36*a(n), a(0) = 1\}$ , ogf]  
A009981 23.3877 [  $-1/(37*x-1)$  ogf]  
A009981 33.5798  $1/37*\ln(1+37*x)$  revegf

A009981 38.7459  $-37/(-1+37*x)$  lgdogf  
A009981 9.70811  $[ \{a(n+1)-37*a(n), a(0) = 1\}, \text{ogf} ]$   
A009982 11.3519  $[ \{a(n+1)-38*a(n), a(0) = 1\}, \text{ogf} ]$   
A009982 27.3478  $[ -1/(38*x-1) \text{ogf} ]$   
A009982 33.9409  $1/38*\ln(1+38*x)$  revegff  
A009982 39.1626  $-38/(-1+38*x)$  lgdogf  
A009983 23.7570  $[ -1/(39*x-1) \text{ogf} ]$   
A009983 34.1214  $1/39*\ln(1+39*x)$  revegff  
A009983 39.3709  $-39/(-1+39*x)$  lgdogf  
A009983 9.86140  $[ \{a(n+1)-39*a(n), a(0) = 1\}, \text{ogf} ]$   
A009984 24.0032  $[ -1/(40*x-1) \text{ogf} ]$   
A009984 34.4825  $1/40*\ln(1+40*x)$  revegff  
A009984 39.7875  $-40/(-1+40*x)$  lgdogf  
A009984 9.96358  $[ \{a(n+1)-40*a(n), a(0) = 1\}, \text{ogf} ]$   
A009985 24.0032  $[ -1/(41*x-1) \text{ogf} ]$   
A009985 34.4825  $1/41*\ln(1+41*x)$  revegff  
A009985 39.7875  $-41/(-1+41*x)$  lgdogf  
A009985 9.96358  $[ \{a(n+1)-41*a(n), a(0) = 1\}, \text{ogf} ]$   
A009986 10.0147  $[ \{a(n+1)-42*a(n), a(0) = 1\}, \text{ogf} ]$   
A009986 24.1263  $[ -1/(42*x-1) \text{ogf} ]$   
A009986 34.6630  $1/42*\ln(1+42*x)$  revegff  
A009986 39.9958  $-42/(-1+42*x)$  lgdogf  
A009987 10.0658  $[ \{a(n+1)-43*a(n), a(0) = 1\}, \text{ogf} ]$   
A009987 24.2494  $[ -1/(43*x-1) \text{ogf} ]$   
A009987 34.8436  $1/43*\ln(1+43*x)$  revegff  
A009987 40.2041  $-43/(-1+43*x)$  lgdogf  
A009988 10.1680  $[ \{a(n+1)-44*a(n), a(0) = 1\}, \text{ogf} ]$   
A009988 24.4955  $[ -1/(44*x-1) \text{ogf} ]$   
A009988 35.2047  $1/44*\ln(1+44*x)$  revegff  
A009988 40.6208  $-44/(-1+44*x)$  lgdogf  
A009989 10.1680  $[ \{a(n+1)-45*a(n), a(0) = 1\}, \text{ogf} ]$   
A009989 24.4955  $[ -1/(45*x-1) \text{ogf} ]$   
A009989 35.2047  $1/45*\ln(1+45*x)$  revegff  
A009989 40.6208  $-45/(-1+45*x)$  lgdogf  
A009990 10.1680  $[ \{a(n+1)-46*a(n), a(0) = 1\}, \text{ogf} ]$   
A009990 24.4955  $[ -1/(46*x-1) \text{ogf} ]$   
A009990 35.2047  $1/46*\ln(1+46*x)$  revegff  
A009990 40.6208  $-46/(-1+46*x)$  lgdogf  
A009991 21.3524  $[ -1/(47*x-1) \text{ogf} ]$   
A009991 30.6131  $1/47*\ln(1+47*x)$  revegff  
A009991 35.3228  $-47/(-1+47*x)$  lgdogf  
A009991 8.86326  $[ \{a(n+1)-47*a(n), a(0) = 1\}, \text{ogf} ]$   
A009992 12.0320  $[ \{a(n+1)-48*a(n), a(0) = 1\}, \text{ogf} ]$   
A009992 28.9862  $[ -1/(48*x-1) \text{ogf} ]$   
A009992 30.6131  $1/48*\ln(1+48*x)$  revegff  
A009992 35.3228  $-48/(-1+48*x)$  lgdogf  
A010000 14.2754  $[ -(x+1)*(x^2-x+1)/(x-1)^3 \text{ogf} ]$   
A010000 24.9391  $-3*(1+x^2)/(x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A010000 27.9138  $[ -x^5+x^2+3 \text{ogf\_with\_Euler\_transform} ]$   
A010000 6.11805  $[ \{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 11\}, \text{ogf} ]$   
A010001 12.1642  $[ -(x+1)*(x^2+3*x+1)/(x-1)^3 \text{ogf} ]$   
A010001 21.1265  $-(7+16*x+7*x^2)/(x-1)/(x+1)/(x^2+3*x+1)$  lgdogf  
A010001 6.26368  $[ \{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 7, a(2) = 22, a(3) = 47\}, \text{ogf} ]$   
A010002 11.9010  $[ -(x+1)*(x^2+7*x+1)/(x-1)^3 \text{ogf} ]$   
A010002 19.6593  $-(11+32*x+11*x^2)/(x-1)/(x+1)/(x^2+7*x+1)$  lgdogf  
A010002 6.08273  $[ \{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 11, a(2) = 38, a(3) = 83\}, \text{ogf} ]$   
A010003 11.4425  $[ -(x+1)*(x^2+9*x+1)/(x-1)^3 \text{ogf} ]$   
A010003 19.4482  $-(13+40*x+13*x^2)/(x-1)/(x+1)/(x^2+9*x+1)$  lgdogf



A010003 5.97367 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 13, a(2) = 46, a(3) = 101}, ogf]  
A010004 11.6544 [ -(x+1)\*(x^2+11\*x+1)/(x-1)^3 ogf]  
A010004 19.3433 -3\*(5+16\*x+5\*x^2)/(x-1)/(x+1)/(x^2+11\*x+1) lgdogf  
A010004 6.08429 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 15, a(2) = 54, a(3) = 119}, ogf]  
A010005 11.7604 [ -(x+1)\*(x^2+13\*x+1)/(x-1)^3 ogf]  
A010005 19.5224 -(17+56\*x+17\*x^2)/(x-1)/(x+1)/(x^2+13\*x+1) lgdogf  
A010005 6.13960 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 17, a(2) = 62, a(3) = 137}, ogf]  
A010006 11.4762 [ -(x+1)\*(x^2+14\*x+1)/(x-1)^3 ogf]  
A010006 19.5088 -6\*(x+3)\*(3\*x+1)/(x-1)/(x+1)/(x^2+14\*x+1) lgdogf  
A010006 5.99126 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 18, a(2) = 66, a(3) = 146}, ogf]  
A010007 11.4762 [ -(x+1)\*(x^2+15\*x+1)/(x-1)^3 ogf]  
A010007 19.0443 -(19+64\*x+19\*x^2)/(x-1)/(x+1)/(x^2+15\*x+1) lgdogf  
A010007 5.99126 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 19, a(2) = 70, a(3) = 155}, ogf]  
A010008 11.5289 [ -(x+1)\*(x^2+16\*x+1)/(x-1)^3 ogf]  
A010008 19.1333 -4\*(5+17\*x+5\*x^2)/(x-1)/(x+1)/(x^2+16\*x+1) lgdogf  
A010008 6.01875 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 20, a(2) = 74, a(3) = 164}, ogf]  
A010009 11.5815 [ -(x+1)\*(x^2+17\*x+1)/(x-1)^3 ogf]  
A010009 19.2223 -3\*(7+24\*x+7\*x^2)/(x-1)/(x+1)/(x^2+17\*x+1) lgdogf  
A010009 6.04623 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 21, a(2) = 78, a(3) = 173}, ogf]  
A010010 11.5815 [ -(x+1)\*(x^2+18\*x+1)/(x-1)^3 ogf]  
A010010 18.3486 -2\*(11+38\*x+11\*x^2)/(x-1)/(x+1)/(x^2+18\*x+1) lgdogf  
A010010 6.04623 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 22, a(2) = 82, a(3) = 182}, ogf]  
A010011 11.6868 [ -(x+1)\*(x^2+19\*x+1)/(x-1)^3 ogf]  
A010011 19.4003 -(23+80\*x+23\*x^2)/(x-1)/(x+1)/(x^2+19\*x+1) lgdogf  
A010011 6.10120 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 23, a(2) = 86, a(3) = 191}, ogf]  
A010012 11.6868 [ -(x+1)\*(x^2+20\*x+1)/(x-1)^3 ogf]  
A010012 19.4003 -12\*(2+7\*x+2\*x^2)/(x-1)/(x+1)/(x^2+20\*x+1) lgdogf  
A010012 6.10120 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 24, a(2) = 90, a(3) = 200}, ogf]  
A010013 11.7394 [ -(x+1)\*(x^2+21\*x+1)/(x-1)^3 ogf]  
A010013 19.4893 -(25+88\*x+25\*x^2)/(x-1)/(x+1)/(x^2+21\*x+1) lgdogf  
A010013 6.12868 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 25, a(2) = 94, a(3) = 209}, ogf]  
A010014 11.7394 [ -(x+1)\*(x^2+22\*x+1)/(x-1)^3 ogf]  
A010014 18.6034 -2\*(13+46\*x+13\*x^2)/(x-1)/(x+1)/(x^2+22\*x+1) lgdogf  
A010014 6.12868 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 26, a(2) = 98, a(3) = 218}, ogf]  
A010015 11.4545 [ -(x+1)\*(x^2+23\*x+1)/(x-1)^3 ogf]  
A010015 19.0099 -3\*(9+32\*x+9\*x^2)/(x-1)/(x+1)/(x^2+23\*x+1) lgdogf  
A010015 5.93629 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 27, a(2) = 102, a(3) = 227}, ogf]  
A010016 11.4545 [ -(x+1)\*(x^2+24\*x+1)/(x-1)^3 ogf]  
A010016 19.0099 -4\*(7+25\*x+7\*x^2)/(x-1)/(x+1)/(x^2+24\*x+1) lgdogf  
A010016 5.93629 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 28, a(2) = 106, a(3) = 236}, ogf]  
A010017 11.4545 [ -(x+1)\*(x^2+25\*x+1)/(x-1)^3 ogf]  
A010017 18.5678 -(29+104\*x+29\*x^2)/(x-1)/(x+1)/(x^2+25\*x+1) lgdogf  
A010017 5.93629 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 29, a(2) = 110, a(3) = 245}, ogf]  
A010018 11.5591 [ -(x+1)\*(x^2+26\*x+1)/(x-1)^3 ogf]  
A010018 19.1868 -6\*(5+18\*x+5\*x^2)/(x-1)/(x+1)/(x^2+26\*x+1) lgdogf  
A010018 5.99050 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 30, a(2) =

114, a(3) = 254}, ogf]  
A010019 11.5591 [ -(x+1)\*(x^2+27\*x+1)/(x-1)^3 ogf]  
A010019 18.7406 -(31+112\*x+31\*x^2)/(x-1)/(x+1)/(x^2+27\*x+1) lgdogf  
A010019 5.99050 [{a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 31, a(2) = 118, a(3) = 263}, ogf]  
A010020 11.6115 [ -(x+1)\*(x^2+29\*x+1)/(x-1)^3 ogf]  
A010020 18.3991 -3\*(11+40\*x+11\*x^2)/(x-1)/(x+1)/(x^2+29\*x+1) lgdogf  
A010020 6.01761 [{a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 33, a(2) = 126, a(3) = 281}, ogf]  
A010021 11.6115 [ -(x+1)\*(x^2+30\*x+1)/(x-1)^3 ogf]  
A010021 18.3991 -2\*(17+62\*x+17\*x^2)/(x-1)/(x+1)/(x^2+30\*x+1) lgdogf  
A010021 6.01761 [{a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 34, a(2) = 130, a(3) = 290}, ogf]  
A010022 11.3784 [ -(x+1)\*(x^2+38\*x+1)/(x-1)^3 ogf]  
A010022 18.8836 -6\*(7+26\*x+7\*x^2)/(x-1)/(x+1)/(x^2+38\*x+1) lgdogf  
A010022 5.89682 [{a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 42, a(2) = 162, a(3) = 362}, ogf]  
A010023 11.3784 [ -(x+1)\*(x^2+40\*x+1)/(x-1)^3 ogf]  
A010023 18.0252 -4\*(11+41\*x+11\*x^2)/(x-1)/(x+1)/(x^2+40\*x+1) lgdogf  
A010023 5.89682 [{a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 44, a(2) = 170, a(3) = 380}, ogf]  
A010024 7.72019 [ -(x^5+7\*x^4+42\*x^3+22\*x^2+7\*x+1)/(x-1)^5 ogf]  
A010024 8.11318 -4\*(3+18\*x+3\*x^4+28\*x^3+48\*x^2)/(x-1)/(x^5+7\*x^4+42\*x^3+22\*x^2+7\*x+1) lgdogf  
A010025 5.08832 [ (x^5+7\*x^4+42\*x^3+22\*x^2+7\*x+1)/(x-1)^6 ogf]  
A010025 7.55846 -(13+79\*x+19\*x^4+x^5+154\*x^3+214\*x^2)/(x-1)/(x^5+7\*x^4+42\*x^3+22\*x^2+7\*x+1) lgdogf  
A010035 11.6272 -1/6\*(-1-12\*x+(1+36\*x+36\*x^2)^(1/2))/(9\*x-1) revogf  
A010035 11.8976 -3\*(-5+18\*x+27\*x^2)/(3\*x-1)/(3\*x+1)/(9\*x-1) lgdogf  
A010035 15.6113 [ (3\*x+1)/(9\*x-1)/(3\*x-1) ogf]  
A010035 8.63211 [{-a(n+2)+12\*a(n+1)-27\*a(n), a(0) = 1, a(1) = 15}, ogf]  
A010036 13.1935 -1/2\*(-1-6\*x+(1+8\*x+4\*x^2)^(1/2))/(8\*x+1) revogf  
A010036 14.6198 -(5-16\*x+8\*x^2)/(x-1)/(2\*x-1)/(4\*x-1) lgdogf  
A010036 16.1659 [ -(x-1)/(4\*x-1)/(2\*x-1) ogf]  
A010036 8.87155 [{-a(n+2)+6\*a(n+1)-8\*a(n), a(0) = 1, a(1) = 5}, ogf]  
A010037 10.7308 -(2502111+1435391\*x)/(1435391\*x+533360)/(x-1) lgdogf  
A010037 5.31899 [{-a(n+2)+2\*a(n+1)-a(n), a(0) = 533360, a(1) = 2502111}, ogf]  
A010037 8.77978 -(-266680-x+(71118222400+1968751\*x)^(1/2))/(-1435391+x) revogf  
A010037 8.83332 [ (1435391\*x+533360)/(x-1)^2 ogf]  
A010049 12.3118 [ -x\*(x-1)/(x^2+x-1)^2 ogf]  
A010049 25.4631 -(-1-3\*x+3\*x^2)/(x-1)/(x^2+x-1) lgdogf  
A010049 4.47078 [{(n+3)\*a(n+4)+(-5-2\*n)\*a(n+3)-3\*a(n+2)+(n+3)\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 3}, ogf]  
A010050 6.87489 [{(4\*n^2+14\*n+12)\*a(n+1)-a(n+2), a(0) = 1, a(1) = 2}, ogf]  
A010054 22.6646 [-1/(-x-1) ogf\_with\_Euler\_transform]  
A010070 4.65672 [ (7\*x^10+7\*x^9+8\*x^8+9\*x^7+9\*x^6+9\*x^5+9\*x^4+2\*x^3+2\*x^2+2\*x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A010076 6.01617 [ -x\*(8\*x^10+x^7+6\*x^6+3\*x^5+3\*x^4+x^3+x^2+1)/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1) ogf]  
A010079 6.14683 [ -(8\*x^7-25\*x^6+2\*x^5-63\*x^4-124\*x^3-71\*x^2-14\*x-1)/(x+1)^2/(x-1)^4 ogf]  
A010079 6.93677 8\*(2+22\*x+61\*x^4-x^6+34\*x^5+98\*x^3+73\*x^2-2\*x^7+x^8)/(x-1)/(x+1)/(8\*x^7-25\*x^6+2\*x^5-63\*x^4-124\*x^3-71\*x^2-14\*x-1) lgdogf  
A010096 12.9435 (-2+2\*x^3-3\*x^2-15\*x^14+14\*x^15)/(x-1)/(x^15+x^3+x+1) lgdogf  
A010096 13.0274 [ -(x^15+x^3+x+1)/(x-1) ogf]  
A010121 11.1551 [ -(2\*x^2+3\*x+2)\*(x^2-x+1)/(x-1)/(x+1)/(x^2+1) ogf]  
A010121 8.73465 -(1+2\*x+3\*x^4+x^6+2\*x^5+16\*x^3+3\*x^2)/(x-1)/(x+1)/(x^2+1)/(2\*x^2+3\*x+2)/(x^2-x+1) lgdogf  
A010122 6.73816 -(1+2\*x+30\*x^4+3\*x^6+4\*x^5+4\*x^3+3\*x^2+2\*x^7+x^8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(3\*x^4-2\*x^3+3\*x^2-2\*x+3) lgdogf  
A010122 9.93266 [ -(x+1)\*(3\*x^4-2\*x^3+3\*x^2-2\*x+3)/(x-1)/(x^4+x^3+x^2+x+1) ogf]

A010123 11.1551 [  $-(3x^2+4x+3)(x^2-x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010123 8.73465  $-(1+4x+3x^4+x^6+4x^5+24x^3+3x^2)/(x-1)/(x+1)/(x^2+1)/(3x^2+4x+3)/(x^2-x+1)$  lgdogf  
A010124 5.35990  $-(2+2x+10x^4+10x^6+48x^5+4x^3+2x^{10}+9x^2+4x^7+2x^9+9x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(4x^6+2x^5+x^4+3x^3+x^2+2x+4)$  lgdogf  
A010124 8.95165 [  $-(4x^6+2x^5+x^4+3x^3+x^2+2x+4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010125 5.70570  $-(1+2x+5x^4+5x^6+48x^5+4x^3+x^{10}+6x^2+4x^7+2x^9+6x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(4x^4+x^3-3x^2+x+4)$  lgdogf  
A010125 8.95165 [  $-(4x^4+x^3-3x^2+x+4)(x^2+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010126 5.44236  $-(1+4x+5x^4+5x^6+48x^5+8x^3+x^{10}+12x^2+8x^7+4x^9+12x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(4x^6+x^5+2x^4+4x^3+2x^2+x+4)$  lgdogf  
A010126 8.95165 [  $-(4x^6+x^5+2x^4+4x^3+2x^2+x+4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010127 11.1551 [  $-(4x^2+5x+4)(x^2-x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010127 8.73465  $-(1+6x+3x^4+x^6+6x^5+32x^3+3x^2)/(x-1)/(x+1)/(x^2+1)/(4x^2+5x+4)/(x^2-x+1)$  lgdogf  
A010128 10.8958 [  $-(x+1)(5x^4-3x^3+4x^2-3x+5)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A010128 7.26932  $-(2+2x+50x^4+3x^6+8x^5+8x^3+3x^2+2x^7+2x^8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(5x^4-3x^3+4x^2-3x+5)$  lgdogf  
A010129 7.54564 [  $-(x^2-x+1)(5x^6+6x^5+2x^4-x^3+2x^2+6x+5)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A010130 11.0232 [  $-(5x^4+x^3+x^2+x+5)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010130 9.08240  $-(1+2x+3x^4+x^6+2x^5+40x^3+3x^2)/(x-1)/(x+1)/(x^2+1)/(5x^4+x^3+x^2+x+5)$  lgdogf  
A010131 11.0232 [  $-(5x^4+x^3+2x^2+x+5)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010131 8.85247  $-(1+4x+3x^4+x^6+4x^5+40x^3+3x^2)/(x-1)/(x+1)/(x^2+1)/(5x^4+x^3+2x^2+x+5)$  lgdogf  
A010132 11.0232 [  $-(5x^2+6x+5)(x^2-x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010132 8.63389  $-(1+8x+3x^4+x^6+8x^5+40x^3+3x^2)/(x-1)/(x+1)/(x^2+1)/(5x^2+6x+5)/(x^2-x+1)$  lgdogf  
A010133 11.2829  $-(1+2x+x^4+2x^3+18x^2)/(x-1)/(x+1)/(x^2+x+1)/(3x^2-2x+3)$  lgdogf  
A010133 12.3728 [  $-2(x+1)(3x^2-2x+3)/(x-1)/(x^2+x+1)$  ogf]  
A010133 7.27063 [  $\{-a(n+4)+a(n+1), a(0) = 6, a(1) = 2, a(2) = 2, a(3) = 12\}$ , ogf]  
A010134 6.28882 [  $-(6x^{10}+x^9+x^8+3x^7+x^6+5x^5+x^4+3x^3+x^2+x+6)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A010135 5.60577  $-(1+4x+5x^4+5x^6+72x^5+8x^3+x^{10}+6x^2+8x^7+4x^9+6x^8)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(6x^4+x^3-4x^2+x+6)$  lgdogf  
A010135 8.79489 [  $-(x^2+1)(6x^4+x^3-4x^2+x+6)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010136 5.40494 [  $-(6x^8+x^7+3x^6+x^5-5x^4+x^3+3x^2+x+6)(x^4+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A010137 11.0232 [  $-(6x^2+7x+6)(x^2-x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010137 8.42584  $-(1+10x+3x^4+x^6+10x^5+48x^3+3x^2)/(x-1)/(x+1)/(x^2+1)/(6x^2+7x+6)/(x^2-x+1)$  lgdogf  
A010138 5.34705  $-2(2x+10x^4+10x^6+42x^5+2x^3+2x^{10}+3x^2+2x^7+x^9+3x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(7x^6+4x^5+x^4+2x^3+x^2+4x+7)$  lgdogf  
A010138 8.79489 [  $-(7x^6+4x^5+x^4+2x^3+x^2+4x+7)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010139 6.45643  $-(3+2x+70x^4+3x^6+12x^5+12x^3+3x^2+2x^7+3x^8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(7x^4-4x^3+5x^2-4x+7)$  lgdogf  
A010139 9.87700 [  $-(x+1)(7x^4-4x^3+5x^2-4x+7)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A010140 5.51679  $-2(1+x+5x^4+5x^6+42x^5+2x^3+x^{10}+9x^2+2x^7+x^9+9x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(7x^6+2x^5+x^4+6x^3+x^2+2x+7)$  lgdogf  
A010140 8.79489 [  $-(7x^6+2x^5+x^4+6x^3+x^2+2x+7)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]

A010141 11.0232 [  $-(7x^4+2x^3+2x^2+2x+7)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010141 8.22759  $-2*(1+2x+3x^4+x^6+2x^5+28x^3+3x^2)/(x-1)/(x+1)/(7x^4+2x^3+2x^2+2x+7)/(x^2+1)$  lgdogf  
A010142 5.51679  $-(1+2x+5x^4+5x^6+84x^5+4x^3+x^{10}+12x^2+4x^7+2x^9+12x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(7x^6+x^5+x^4+4x^3+x^2+x+7)$  lgdogf  
A010142 8.79489 [  $-(7x^6+x^5+x^4+4x^3+x^2+x+7)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010143 8.15074 [  $-(x+1)*(7x^6-6x^5+7x^4-6x^3+7x^2-6x+7)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A010144 5.34705  $-(1+4x+5x^4+5x^6+84x^5+8x^3+x^{10}+21x^2+8x^7+4x^9+21x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(7x^6+x^5+2x^4+7x^3+2x^2+x+7)$  lgdogf  
A010144 8.79489 [  $-(7x^6+x^5+2x^4+7x^3+2x^2+x+7)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010145 5.83237 [  $-(x+1)*(7x^{10}-6x^9+10x^8-7x^7+8x^6-6x^5+8x^4-7x^3+10x^2-6x+7)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A010146 11.0232 [  $-(x^2-x+1)*(7x^2+8x+7)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010146 8.42584  $-(1+12x+3x^4+x^6+12x^5+56x^3+3x^2)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)/(7x^2+8x+7)$  lgdogf  
A010147 6.28882 [  $-(8x^{10}+5x^9+2x^8+x^7+x^6+7x^5+x^4+x^3+2x^2+5x+8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A010148 7.54564 [  $-(8x^8+3x^7+3x^6+x^5+4x^4+x^3+3x^2+3x+8)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A010149 5.51679  $-2*(1+x+5x^4+5x^6+48x^5+2x^3+x^{10}+3x^2+2x^7+x^9+3x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(8x^6+2x^5+x^4+2x^3+x^2+2x+8)$  lgdogf  
A010149 8.79489 [  $-(8x^6+2x^5+x^4+2x^3+x^2+2x+8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010150 7.54564 [  $-(x^2+x+1)*(8x^6-6x^5+7x^3-6x+8)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A010151 8.15074 [  $-(x+1)*(8x^6-7x^5+8x^4-3x^3+8x^2-7x+8)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A010152 6.70239  $-(1+2x+80x^4+3x^6+4x^5+4x^3+3x^2+2x^7+x^8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(8x^4-7x^3+8x^2-7x+8)$  lgdogf  
A010152 9.87700 [  $-(x+1)*(8x^4-7x^3+8x^2-7x+8)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A010153 11.0232 [  $-(8x^4+x^3+x^2+x+8)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010153 9.08240  $-(1+2x+3x^4+x^6+2x^5+64x^3+3x^2)/(x-1)/(x+1)/(x^2+1)/(8x^4+x^3+x^2+x+8)$  lgdogf  
A010154 5.40494 [  $-(8x^{12}+x^{11}+2x^{10}+x^9+x^8+5x^7+4x^6+5x^5+x^4+x^3+2x^2+x+8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A010155 5.51679  $-(1+6x+5x^4+5x^6+96x^5+12x^3+x^{10}+6x^2+12x^7+6x^9+6x^8)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(8x^4+x^3-5x^2+x+8)$  lgdogf  
A010155 8.79489 [  $-(x^2+1)*(8x^4+x^3-5x^2+x+8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010156 11.0232 [  $-(8x^4+x^3+4x^2+x+8)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010156 8.85247  $-(1+8x+3x^4+x^6+8x^5+64x^3+3x^2)/(x-1)/(x+1)/(x^2+1)/(8x^4+x^3+4x^2+x+8)$  lgdogf  
A010157 11.0232 [  $-(x^2-x+1)*(8x^2+9x+8)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010157 8.42584  $-(1+14x+3x^4+x^6+14x^5+64x^3+3x^2)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)/(8x^2+9x+8)$  lgdogf  
A010158 6.45643  $-(4+2x+90x^4+3x^6+16x^5+16x^3+3x^2+2x^7+4x^8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(9x^4-5x^3+6x^2-5x+9)$  lgdogf  
A010158 9.87700 [  $-(x+1)*(9x^4-5x^3+6x^2-5x+9)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A010159 6.28882 [  $-(9x^{10}+3x^9+x^8+x^7+x^6+8x^5+x^4+x^3+x^2+3x+9)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A010160 5.30623  $-(2+2x+10x^4+10x^6+108x^5+4x^3+2x^{10}+3x^2+4x^7+2x^9+3x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(9x^6+2x^5+x^4+x^3+x^2+2x+9)$  lgdogf  
A010160 8.79489 [  $-(9x^6+2x^5+x^4+x^3+x^2+2x+9)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x$

+1) ogf]  
A010161 6.51621  $-(2+6*x+90*x^4+9*x^6+8*x^5+8*x^3+9*x^2+6*x^7+2*x^8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(9*x^4-7*x^3+10*x^2-7*x+9)$  lgdogf  
A010161 9.87700  $[-(x+1)*(9*x^4-7*x^3+10*x^2-7*x+9)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A010162 7.54564  $[-(9*x^8+x^7+x^6+5*x^5+x^4+5*x^3+x^2+x+9)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A010163 7.54564  $[-(9*x^8+x^7+x^6+2*x^5+4*x^4+2*x^3+x^2+x+9)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A010164 6.28882  $[-(9*x^10+x^9+x^8+x^7+4*x^6+6*x^5+4*x^4+x^3+x^2+x+9)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A010166 11.0232  $[-(9*x^4+x^3+2*x^2+x+9)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010166 8.85247  $-(1+4*x+3*x^4+x^6+4*x^5+72*x^3+3*x^2)/(x-1)/(x+1)/(9*x^4+x^3+2*x^2+x+9)/(x^2+1)$  lgdogf  
A010167 11.0232  $[-(9*x^4+x^3+3*x^2+x+9)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010167 8.85247  $-(1+6*x+3*x^4+x^6+6*x^5+72*x^3+3*x^2)/(x-1)/(x+1)/(x^2+1)/(9*x^4+x^3+3*x^2+x+9)$  lgdogf  
A010168 5.83237  $[-(x+1)*(9*x^10-8*x^9+13*x^8-12*x^7+13*x^6-12*x^5+13*x^4-12*x^3+13*x^2-8*x+9)/(x-1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A010169 11.0232  $[-(9*x^2+10*x+9)*(x^2-x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010169 8.32554  $-(1+16*x+3*x^4+x^6+16*x^5+72*x^3+3*x^2)/(x-1)/(x+1)/(x^2+1)/(9*x^2+10*x+9)/(x^2-x+1)$  lgdogf  
A010170 14.2790  $[-(9*x^2+x+9)/(x-1)/(x+1)$  ogf]  
A010170 18.4571  $-(1+36*x+x^2)/(x-1)/(x+1)/(9*x^2+x+9)$  lgdogf  
A010170 8.23144  $[{-a(n+3)+a(n+1), a(0) = 9, a(1) = 1, a(2) = 18}]$ , ogf]  
A010171 5.35714  $[-(10*x^12+6*x^11+x^10+2*x^9+x^8+x^7+9*x^6+x^5+x^4+2*x^3+x^2+6*x+10)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A010172 6.84044  $[-(x+1)*(10*x^8-7*x^7+9*x^6-8*x^5+9*x^4-8*x^3+9*x^2-7*x+10)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A010173 8.63498  $[-(10*x^6+2*x^5+x^4+9*x^3+x^2+2*x+10)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010174 7.32743  $[-(10*x^8+2*x^7+x^6+x^5+4*x^4+x^3+x^2+2*x+10)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A010176 5.42196  $-(1+2*x+5*x^4+5*x^6+120*x^5+4*x^3+x^10+18*x^2+4*x^7+2*x^9+18*x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(10*x^6+x^5+x^4+6*x^3+x^2+x+10)$  lgdogf  
A010176 8.63498  $[-(10*x^6+x^5+x^4+6*x^3+x^2+x+10)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010177 5.50735  $-(1+2*x+5*x^4+5*x^6+120*x^5+4*x^3+x^10+6*x^2+4*x^7+2*x^9+6*x^8)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(10*x^4+x^3-9*x^2+x+10)$  lgdogf  
A010177 8.63498  $[-(x^2+1)*(10*x^4+x^3-9*x^2+x+10)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010178 6.84044  $[-(x+1)*(x^2-x+1)*(10*x^6+x^5+x^4-9*x^3+x^2+x+10)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A010179 5.16795  $-(1+4*x+5*x^4+5*x^6+120*x^5+8*x^3+x^10+30*x^2+8*x^7+4*x^9+30*x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(10*x^6+x^5+2*x^4+10*x^3+2*x^2+x+10)$  lgdogf  
A010179 8.44643  $[-(10*x^6+x^5+2*x^4+10*x^3+2*x^2+x+10)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010180 6.21856  $[-(10*x^10+x^9+2*x^8+x^7+x^6+x^5+x^4+x^3+2*x^2+x+10)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A010181 6.21856  $[-(10*x^10+x^9+3*x^8+2*x^7+x^6+4*x^5+x^4+2*x^3+3*x^2+x+10)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A010182 5.42196  $-(1+8*x+5*x^4+5*x^6+120*x^5+16*x^3+x^10+6*x^2+16*x^7+8*x^9+6*x^8)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(10*x^4+x^3-6*x^2+x+10)$  lgdogf  
A010182 8.63498  $[-(x^2+1)*(10*x^4+x^3-6*x^2+x+10)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010183 6.14693  $[-(10*x^10+x^9+6*x^8+3*x^7+2*x^6+10*x^5+2*x^4+3*x^3+6*x^2+x+10)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]

A010184 10.5321 [  $-(10*x^2+11*x+10)*(x^2-x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010184 8.00632  $-(1+18*x+3*x^4+x^6+18*x^5+80*x^3+3*x^2)/(x-1)/(x+1)/(x^2+1)/(10*x^2+11*x+10)/(x^2-x+1)$  lgdogf  
A010186 6.32204  $-(5+2*x+110*x^4+3*x^6+20*x^5+20*x^3+3*x^2+2*x^7+5*x^8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(11*x^4-6*x^3+7*x^2-6*x+11)$  lgdogf  
A010186 9.67117 [  $-(x+1)*(11*x^4-6*x^3+7*x^2-6*x+11)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A010187 10.5321 [  $-(11*x^4+4*x^3+2*x^2+4*x+11)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010187 8.29571  $-4*(1+x+3*x^4+x^6+x^5+22*x^3+3*x^2)/(x-1)/(x+1)/(x^2+1)/(11*x^4+4*x^3+2*x^2+4*x+11)$  lgdogf  
A010188 5.26988 [  $-(11*x^12+3*x^11+x^10+2*x^9+2*x^8+7*x^7+11*x^6+7*x^5+2*x^4+2*x^3+x^2+3*x+11)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A010189 10.5321 [  $-(11*x^4+3*x^3+5*x^2+3*x+11)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010189 7.73645  $-(3+10*x+9*x^4+3*x^6+10*x^5+88*x^3+9*x^2)/(x-1)/(x+1)/(x^2+1)/(11*x^4+3*x^3+5*x^2+3*x+11)$  lgdogf  
A010190 6.21856 [  $-(11*x^10+2*x^9+x^8+3*x^7+x^6+6*x^5+x^4+3*x^3+x^2+2*x+11)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A010191 8.44643 [  $-(11*x^6+2*x^5+4*x^4+11*x^3+4*x^2+2*x+11)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010194 7.32743 [  $-(11*x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+11)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A010195 10.5321 [  $-(11*x^4+x^3+x^2+x+11)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010195 8.71575  $-(1+2*x+3*x^4+x^6+2*x^5+88*x^3+3*x^2)/(x-1)/(x+1)/(x^2+1)/(11*x^4+x^3+x^2+x+11)$  lgdogf  
A010196 6.84044 [  $-(x+1)*(11*x^8-10*x^7+12*x^6-10*x^5+11*x^4-10*x^3+12*x^2-10*x+11)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A010197 10.5321 [  $-(11*x^4+x^3+2*x^2+x+11)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010197 8.50054  $-(1+4*x+3*x^4+x^6+4*x^5+88*x^3+3*x^2)/(x-1)/(x+1)/(x^2+1)/(11*x^4+x^3+2*x^2+x+11)$  lgdogf  
A010199 10.5321 [  $-(11*x^4+x^3+4*x^2+x+11)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010199 8.50054  $-(1+8*x+3*x^4+x^6+8*x^5+88*x^3+3*x^2)/(x-1)/(x+1)/(x^2+1)/(11*x^4+x^3+4*x^2+x+11)$  lgdogf  
A010200 10.5321 [  $-(11*x^4+x^3+6*x^2+x+11)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010200 8.29571  $-(1+12*x+3*x^4+x^6+12*x^5+88*x^3+3*x^2)/(x-1)/(x+1)/(x^2+1)/(11*x^4+x^3+6*x^2+x+11)$  lgdogf  
A010201 10.3509 [  $-(11*x^2+12*x+11)*(x^2-x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010201 7.98957  $-(1+20*x+3*x^4+x^6+20*x^5+88*x^3+3*x^2)/(x-1)/(x+1)/(11*x^2+12*x+11)/(x^2-x+1)/(x^2+1)$  lgdogf  
A010202 6.84044 [  $-(x+1)*(12*x^8-8*x^7+9*x^6-4*x^5+7*x^4-4*x^3+9*x^2-8*x+12)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A010204 7.32743 [  $-(12*x^8+2*x^7+x^6+2*x^5+2*x^4+2*x^3+x^2+2*x+12)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A010205 6.21856 [  $-(x^2+1)*(12*x^8+2*x^7-10*x^6+x^5+11*x^4+x^3-10*x^2+2*x+12)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A010207 7.05651 [  $-(x^2-x+1)*(12*x^6+13*x^5+2*x^4-8*x^3+2*x^2+13*x+12)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A010208 6.21856 [  $-(12*x^10+x^9+x^8+x^7+x^6+3*x^5+x^4+x^3+x^2+x+12)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A010209 7.32743 [  $-(12*x^8+x^7+x^6+x^5+5*x^4+x^3+x^2+x+12)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A010210 6.21856 [  $-(12*x^10+x^9+2*x^8+4*x^7+x^6+2*x^5+x^4+4*x^3+2*x^2+x+12)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A010211 6.14693 [  $-(x^2+x+1)*(12*x^8-11*x^7+x^6+11*x^5-10*x^4+11*x^3+x^2-11*x+12)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A010213 5.33919  $-(1+10*x+5*x^4+5*x^6+144*x^5+20*x^3+x^10+6*x^2+20*x^7+10*x^9+6*x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(12*x^4+x^3-7*x^2+x+12)$  lgdogf  
A010213 8.63498 [  $-(x^2+1)*(12*x^4+x^3-7*x^2+x+12)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010215 10.3509 [  $-(x^2-x+1)*(12*x^2+13*x+12)/(x-1)/(x+1)/(x^2+1)$  ogf]

A010215 7.98957  $-(1+22*x+3*x^4+x^6+22*x^5+96*x^3+3*x^2)/(x-1)/(x+1)/(x^2+1)/(12*x^2+13*x+12)/(x^2-x+1)$  lgdogf  
A010217 6.32204  $-(6+2*x+130*x^4+3*x^6+24*x^5+24*x^3+3*x^2+2*x^7+6*x^8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(13*x^4-7*x^3+8*x^2-7*x+13)$  lgdogf  
A010217 9.67117  $[-(x+1)*(13*x^4-7*x^3+8*x^2-7*x+13)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A010218 10.5321  $[-(13*x^4+5*x^3+4*x^2+5*x+13)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010218 7.65049  $-(5+8*x+15*x^4+5*x^6+8*x^5+104*x^3+15*x^2)/(x-1)/(x+1)/(x^2+1)/(13*x^4+5*x^3+4*x^2+5*x+13)$  lgdogf  
A010219 8.63498  $[-(13*x^6+4*x^5+2*x^4+x^3+2*x^2+4*x+13)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010220 10.5321  $[-(13*x^4+3*x^3+x^2+3*x+13)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010220 8.00632  $-(3+2*x+9*x^4+3*x^6+2*x^5+104*x^3+9*x^2)/(x-1)/(x+1)/(x^2+1)/(13*x^4+3*x^3+x^2+3*x+13)$  lgdogf  
A010221 7.32743  $[-(13*x^8+3*x^7+3*x^6+2*x^5+8*x^4+2*x^3+3*x^2+3*x+13)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A010222 5.28630  $-2*(1+x+5*x^4+5*x^6+78*x^5+2*x^3+x^{10}+18*x^2+2*x^7+x^9+18*x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(13*x^6+2*x^5+x^4+12*x^3+x^2+2*x+13)$  lgdogf  
A010222 8.44643  $[-(13*x^6+2*x^5+x^4+12*x^3+x^2+2*x+13)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010225 5.42196  $-(1+2*x+5*x^4+5*x^6+156*x^5+4*x^3+x^{10}+24*x^2+4*x^7+2*x^9+24*x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(13*x^6+x^5+x^4+8*x^3+x^2+x+13)$  lgdogf  
A010225 8.63498  $[-(13*x^6+x^5+x^4+8*x^3+x^2+x+13)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010226 5.35714  $[-(13*x^{12}+x^{11}+x^{10}+3*x^9+2*x^8+x^7+2*x^6+x^5+2*x^4+3*x^3+x^2+x+13)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A010227 6.37899  $-(x^4+6*x^3+16*x^2+6*x+1)*(x^4-4*x^3+11*x^2-4*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(13*x^4-12*x^3+13*x^2-12*x+13)$  lgdogf  
A010227 9.67117  $[-(x+1)*(13*x^4-12*x^3+13*x^2-12*x+13)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A010228 6.21856  $[-(13*x^{10}+x^9+x^8+x^7+3*x^6+4*x^5+3*x^4+x^3+x^2+x+13)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A010229 5.16795  $-(1+4*x+5*x^4+5*x^6+156*x^5+8*x^3+x^{10}+39*x^2+8*x^7+4*x^9+39*x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(13*x^6+x^5+2*x^4+13*x^3+2*x^2+x+13)$  lgdogf  
A010229 8.44643  $[-(13*x^6+x^5+2*x^4+13*x^3+2*x^2+x+13)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010230 7.32743  $[-(13*x^8+x^7+2*x^6+2*x^5+6*x^4+2*x^3+2*x^2+x+13)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A010231 10.5321  $[-(13*x^4+x^3+2*x^2+x+13)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010231 8.39688  $-(1+4*x+3*x^4+x^6+4*x^5+104*x^3+3*x^2)/(x-1)/(x+1)/(x^2+1)/(13*x^4+x^3+2*x^2+x+13)$  lgdogf  
A010232 4.69841  $[-(x^2+1)*(13*x^{12}+x^{11}-10*x^{10}+11*x^8+x^7-9*x^6+x^5+11*x^4-10*x^2+x+13)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A010234 10.5321  $[-(13*x^4+x^3+5*x^2+x+13)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010234 8.19695  $-(1+10*x+3*x^4+x^6+10*x^5+104*x^3+3*x^2)/(x-1)/(x+1)/(x^2+1)/(13*x^4+x^3+5*x^2+x+13)$  lgdogf  
A010236 10.3509  $[-(13*x^2+14*x+13)*(x^2-x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010236 7.89773  $-(1+24*x+3*x^4+x^6+24*x^5+104*x^3+3*x^2)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)/(13*x^2+14*x+13)$  lgdogf  
A010368 3.27838  $[(x^8+8*x^7+252*x^6+952*x^5+1670*x^4+952*x^3+252*x^2+8*x+1)/(x-1)^8$  ogf]  
A010368 3.53550  $[{(2*n^2+n)*a(n)+(-4*n^2-8*n-132)*a(n+1)+(2*n^2+7*n+6)*a(n+2), a(0) = 1, a(1) = 16},$  ogf]  
A010370 12.7618  $[\text{hypergeom}([-1/2, 1/2], [1], 16*x)$  ogf]  
A010370 5.18772  $[{(-16*n^2-32*n-12)*a(n+1)+(n^2+4*n+4)*a(n+2), a(0) = 1, a(1) = -4},$  ogf]  
A010551 3.46638  $[{(-n^3-7*n^2-16*n-12)*a(n+1)+(-2*n^3-22*n^2-82*n-100)*a(n$

+2)-8\*a(n+3)+(8\*n+32)\*a(n+4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2}, ogf]  
A010673 11.8196 [{a(n+2)-a(n), a(0) = 0, a(1) = 2}, ogf]  
A010673 22.5647 [-2\*x/(x-1)/(x+1) ogf]  
A010673 48.6339 (-1+(1+x^2)^(1/2))/x revogf  
A010673 57.1617 [[x] ogf\_with\_Euler\_transform]  
A010673 60.7924 -2\*x/(x-1)/(x+1) lgdogf  
A010674 17.9990 [-3\*x/(x-1)/(x+1) ogf]  
A010674 27.2118 1/2/x\*(-3+(9+4\*x^2)^(1/2)) revogf  
A010674 41.6180 -2\*x/(-1+x)/(x+1) lgdogf  
A010674 45.5715 [[x] ogf\_with\_Euler\_transform]  
A010674 9.42803 [{a(n+2)-a(n), a(0) = 0, a(1) = 3}, ogf]  
A010675 16.5125 [-4\*x/(x-1)/(x+1) ogf]  
A010675 35.3753 (-2+(x^2+4)^(1/2))/x revogf  
A010675 41.6180 -2\*x/(-1+x)/(x+1) lgdogf  
A010675 41.7978 [[x] ogf\_with\_Euler\_transform]  
A010675 8.64940 [{a(n+2)-a(n), a(0) = 0, a(1) = 4}, ogf]  
A010676 16.5125 [-5\*x/(x-1)/(x+1) ogf]  
A010676 26.2039 1/2/x\*(-5+(25+4\*x^2)^(1/2)) revogf  
A010676 41.6180 -2\*x/(-1+x)/(x+1) lgdogf  
A010676 41.7978 [[x] ogf\_with\_Euler\_transform]  
A010676 8.64940 [{a(n+2)-a(n), a(0) = 0, a(1) = 5}, ogf]  
A010677 16.5125 [-6\*x/(x-1)/(x+1) ogf]  
A010677 35.3753 (-3+(9+x^2)^(1/2))/x revogf  
A010677 41.6180 -2\*x/(-1+x)/(x+1) lgdogf  
A010677 41.7978 [[x] ogf\_with\_Euler\_transform]  
A010677 8.64940 [{a(n+2)-a(n), a(0) = 0, a(1) = 6}, ogf]  
A010678 16.5125 [-7\*x/(x-1)/(x+1) ogf]  
A010678 26.2039 1/2/x\*(-7+(49+4\*x^2)^(1/2)) revogf  
A010678 41.6180 -2\*x/(-1+x)/(x+1) lgdogf  
A010678 41.7978 [[x] ogf\_with\_Euler\_transform]  
A010678 8.64940 [{a(n+2)-a(n), a(0) = 0, a(1) = 7}, ogf]  
A010679 16.5125 [-8\*x/(x-1)/(x+1) ogf]  
A010679 33.6908 (-4+(16+x^2)^(1/2))/x revogf  
A010679 41.6180 -2\*x/(-1+x)/(x+1) lgdogf  
A010679 41.7978 [[x] ogf\_with\_Euler\_transform]  
A010679 8.64940 [{a(n+2)-a(n), a(0) = 0, a(1) = 8}, ogf]  
A010680 16.5125 [-9\*x/(x-1)/(x+1) ogf]  
A010680 26.2039 1/2/x\*(-9+(81+4\*x^2)^(1/2)) revogf  
A010680 41.6180 -2\*x/(-1+x)/(x+1) lgdogf  
A010680 41.7978 [[x] ogf\_with\_Euler\_transform]  
A010680 8.64940 [{a(n+2)-a(n), a(0) = 0, a(1) = 9}, ogf]  
A010681 16.6354 [-10\*x/(x-1)/(x+1) ogf]  
A010681 32.7192 (-5+(25+x^2)^(1/2))/x revogf  
A010681 42.9439 -2\*x/(x-1)/(x+1) lgdogf  
A010681 43.3495 [[x] ogf\_with\_Euler\_transform]  
A010681 8.83755 [{a(n+2)-a(n), a(0) = 0, a(1) = 10}, ogf]  
A010683 12.6452 -(x-1+(x^2+1-6\*x)^(1/2))/(x^2+1-6\*x)^(1/2)/x lgdogf  
A010683 9.93549 -1/2\*(2\*(4\*x^2+1)^(1/2)\*x+(4\*x^2+1)^(1/2)-1-2\*x-4\*x^2)/x revogf  
A010684 11.3294 [{a(n+2)-a(n), a(0) = 1, a(1) = 3}, ogf]  
A010684 17.6850 [- (3\*x+1)/(x-1)/(x+1) ogf]  
A010684 20.2145 -(3+2\*x+3\*x^2)/(-1+x)/(1+3\*x)/(x+1) lgdogf  
A010684 20.2145 1/2/(3+x)\*(-1+(1+12\*x+4\*x^2)^(1/2)) revogf  
A010685 11.3294 [{a(n+2)-a(n), a(0) = 1, a(1) = 4}, ogf]  
A010685 17.6850 [- (4\*x+1)/(x-1)/(x+1) ogf]  
A010685 20.2145 -2\*(2+x+2\*x^2)/(-1+x)/(4\*x+1)/(x+1) lgdogf  
A010685 20.2145 1/2/(4+x)\*(-1+(1+16\*x+4\*x^2)^(1/2)) revogf  
A010686 11.3294 [{a(n+2)-a(n), a(0) = 1, a(1) = 5}, ogf]  
A010686 17.6850 [- (5\*x+1)/(x-1)/(x+1) ogf]  
A010686 20.2145 -(5+2\*x+5\*x^2)/(-1+x)/(5\*x+1)/(x+1) lgdogf  
A010686 20.2145 1/2/(5+x)\*(-1+(1+20\*x+4\*x^2)^(1/2)) revogf  
A010687 12.1799 [{a(n+2)-a(n), a(0) = 1, a(1) = 6}, ogf]



A010687 19.0125  $[-(6*x+1)/(x-1)/(x+1) \text{ ogf}]$   
A010687 21.7627  $-2*(3+x+3*x^2)/(-1+x)/(6*x+1)/(x+1) \text{ lgdogf}$   
A010687 21.7627  $1/2/(6+x)*(-1+(1+24*x+4*x^2)^{(1/2)}) \text{ revogf}$   
A010688 11.3294  $[{a(n+2)-a(n), a(0) = 1, a(1) = 7}, \text{ ogf}]$   
A010688 17.6850  $[-(7*x+1)/(x-1)/(x+1) \text{ ogf}]$   
A010688 20.2145  $-(7+2*x+7*x^2)/(-1+x)/(7*x+1)/(x+1) \text{ lgdogf}$   
A010688 20.2145  $1/2/(7+x)*(-1+(1+28*x+4*x^2)^{(1/2)}) \text{ revogf}$   
A010689 15.4890  $[{a(n+2)-a(n), a(0) = 1, a(1) = 8}, \text{ ogf}]$   
A010689 24.1779  $[-(8*x+1)/(x-1)/(x+1) \text{ ogf}]$   
A010689 27.7908  $1/2/(8+x)*(-1+(1+32*x+4*x^2)^{(1/2)}) \text{ revogf}$   
A010689 28.6082  $-2*(4+x+4*x^2)/(x-1)/(8*x+1)/(x+1) \text{ lgdogf}$   
A010690 11.3294  $[{a(n+2)-a(n), a(0) = 1, a(1) = 9}, \text{ ogf}]$   
A010690 17.6850  $[-(9*x+1)/(x-1)/(x+1) \text{ ogf}]$   
A010690 20.2145  $-(9+2*x+9*x^2)/(-1+x)/(9*x+1)/(x+1) \text{ lgdogf}$   
A010690 20.2145  $1/2/(9+x)*(-1+(1+36*x+4*x^2)^{(1/2)}) \text{ revogf}$   
A010691 10.8286  $[{a(n+2)-a(n), a(0) = 1, a(1) = 10}, \text{ ogf}]$   
A010691 16.7586  $[-(10*x+1)/(x-1)/(x+1) \text{ ogf}]$   
A010691 19.0862  $1/2/(10+x)*(-1+(1+40*x+4*x^2)^{(1/2)}) \text{ revogf}$   
A010691 19.6315  $-2*(5+x+5*x^2)/(x-1)/(10*x+1)/(x+1) \text{ lgdogf}$   
A010692 103.170  $-1/(x-1) \text{ lgdogf}$   
A010692 103.170  $x/(10+x) \text{ revogf}$   
A010692 15.8891  $[{a(n+1)-a(n), a(0) = 10}, \text{ ogf}]$   
A010692 32.3892  $[-10/(x-1) \text{ ogf}]$   
A010693 14.9589  $[{a(n+2)-a(n), a(0) = 2, a(1) = 3}, \text{ ogf}]$   
A010693 23.3505  $[-(3*x+2)/(x-1)/(x+1) \text{ ogf}]$   
A010693 27.6138  $-(3+4*x+3*x^2)/(x-1)/(3*x+2)/(x+1) \text{ lgdogf}$   
A010693 33.5310  $(-1+(1+3*x+x^2)^{(1/2)})/(3+x) \text{ revogf}$   
A010694 11.3294  $[{a(n+2)-a(n), a(0) = 2, a(1) = 4}, \text{ ogf}]$   
A010694 17.6850  $[-2*(2*x+1)/(x-1)/(x+1) \text{ ogf}]$   
A010694 21.4396  $-2*(x^2+x+1)/(-1+x)/(2*x+1)/(x+1) \text{ lgdogf}$   
A010694 25.2681  $(-1+(1+4*x+x^2)^{(1/2)})/(4+x) \text{ revogf}$   
A010695 11.3294  $[{a(n+2)-a(n), a(0) = 2, a(1) = 5}, \text{ ogf}]$   
A010695 17.6850  $[-(5*x+2)/(x-1)/(x+1) \text{ ogf}]$   
A010695 20.2145  $-(5+4*x+5*x^2)/(-1+x)/(5*x+2)/(x+1) \text{ lgdogf}$   
A010695 25.2681  $(-1+(1+5*x+x^2)^{(1/2)})/(5+x) \text{ revogf}$   
A010696 11.3294  $[{a(n+2)-a(n), a(0) = 2, a(1) = 6}, \text{ ogf}]$   
A010696 17.6850  $[-2*(3*x+1)/(x-1)/(x+1) \text{ ogf}]$   
A010696 20.2145  $-(3+2*x+3*x^2)/(-1+x)/(1+3*x)/(x+1) \text{ lgdogf}$   
A010696 25.2681  $(-1+(1+6*x+x^2)^{(1/2)})/(6+x) \text{ revogf}$   
A010697 11.3294  $[{a(n+2)-a(n), a(0) = 2, a(1) = 7}, \text{ ogf}]$   
A010697 17.6850  $[-(7*x+2)/(x-1)/(x+1) \text{ ogf}]$   
A010697 20.2145  $-(7+4*x+7*x^2)/(-1+x)/(7*x+2)/(x+1) \text{ lgdogf}$   
A010697 25.2681  $(-1+(1+7*x+x^2)^{(1/2)})/(7+x) \text{ revogf}$   
A010698 11.3294  $[{a(n+2)-a(n), a(0) = 2, a(1) = 8}, \text{ ogf}]$   
A010698 17.6850  $[-2*(4*x+1)/(x-1)/(x+1) \text{ ogf}]$   
A010698 20.2145  $-2*(2+x+2*x^2)/(-1+x)/(4*x+1)/(x+1) \text{ lgdogf}$   
A010698 25.2681  $(-1+(1+8*x+x^2)^{(1/2)})/(8+x) \text{ revogf}$   
A010699 11.3294  $[{a(n+2)-a(n), a(0) = 2, a(1) = 9}, \text{ ogf}]$   
A010699 17.6850  $[-(9*x+2)/(x-1)/(x+1) \text{ ogf}]$   
A010699 20.2145  $-(9+4*x+9*x^2)/(-1+x)/(9*x+2)/(x+1) \text{ lgdogf}$   
A010699 25.2681  $(-1+(1+9*x+x^2)^{(1/2)})/(9+x) \text{ revogf}$   
A010700 10.8286  $[{a(n+2)-a(n), a(0) = 2, a(1) = 10}, \text{ ogf}]$   
A010700 16.7586  $[-2*(5*x+1)/(x-1)/(x+1) \text{ ogf}]$   
A010700 19.6315  $-\ln(12)+\ln(10+x+(4+x^2+20*x)^{(1/2)}) \text{ revegef}$   
A010700 20.2089  $-(5+2*x+5*x^2)/(x-1)/(5*x+1)/(x+1) \text{ lgdogf}$   
A010701 101.072  $x/(3+x) \text{ revogf}$   
A010701 13.9439  $[{a(n+1)-a(n), a(0) = 3}, \text{ ogf}]$   
A010701 29.0034  $[-3/(x-1) \text{ ogf}]$   
A010701 78.6118  $-1/(-1+x) \text{ lgdogf}$   
A010702 11.3294  $[{a(n+2)-a(n), a(0) = 3, a(1) = 4}, \text{ ogf}]$   
A010702 17.6850  $[-(4*x+3)/(x-1)/(x+1) \text{ ogf}]$

A010702 19.1218  $-2*(2+3*x+2*x^2)/(-1+x)/(4*x+3)/(x+1)$  lgdogf  
A010702 20.2145  $1/2/(4+x)*(-3+(9+16*x+4*x^2)^(1/2))$  revogf  
A010703 11.3294  $[{a(n+2)-a(n), a(0) = 3, a(1) = 5}], ogf]$   
A010703 17.6850  $[ -(5*x+3)/(x-1)/(x+1)$  ogf]  
A010703 18.6186  $1/2/(5+x)*(-3+((2*x+9)*(2*x+1))^(1/2))$  revogf  
A010703 20.2145  $-(5+6*x+5*x^2)/(-1+x)/(5*x+3)/(x+1)$  lgdogf  
A010704 11.3294  $[{a(n+2)-a(n), a(0) = 3, a(1) = 6}], ogf]$   
A010704 17.6850  $[ -3*(2*x+1)/(x-1)/(x+1)$  ogf]  
A010704 20.2145  $1/2/(6+x)*(-3+(9+24*x+4*x^2)^(1/2))$  revogf  
A010704 21.4396  $-2*(x^2+x+1)/(-1+x)/(2*x+1)/(x+1)$  lgdogf  
A010705 11.3294  $[{a(n+2)-a(n), a(0) = 3, a(1) = 7}], ogf]$   
A010705 17.6850  $[ -(7*x+3)/(x-1)/(x+1)$  ogf]  
A010705 20.2145  $-(7+6*x+7*x^2)/(-1+x)/(7*x+3)/(x+1)$  lgdogf  
A010705 20.2145  $1/2/(7+x)*(-3+(9+28*x+4*x^2)^(1/2))$  revogf  
A010706 11.3294  $[{a(n+2)-a(n), a(0) = 3, a(1) = 8}], ogf]$   
A010706 17.6850  $[ -(8*x+3)/(x-1)/(x+1)$  ogf]  
A010706 19.1218  $-2*(4+3*x+4*x^2)/(-1+x)/(8*x+3)/(x+1)$  lgdogf  
A010706 20.2145  $1/2/(8+x)*(-3+(9+32*x+4*x^2)^(1/2))$  revogf  
A010707 11.3294  $[{a(n+2)-a(n), a(0) = 3, a(1) = 9}], ogf]$   
A010707 17.6850  $[ -3*(3*x+1)/(x-1)/(x+1)$  ogf]  
A010707 20.2145  $-(3+2*x+3*x^2)/(-1+x)/(1+3*x)/(x+1)$  lgdogf  
A010707 20.2145  $1/2/(9+x)*(-3+(9+36*x+4*x^2)^(1/2))$  revogf  
A010708 10.8286  $[{a(n+2)-a(n), a(0) = 3, a(1) = 10}], ogf]$   
A010708 16.7586  $[ -(10*x+3)/(x-1)/(x+1)$  ogf]  
A010708 18.5703  $-2*(5+3*x+5*x^2)/(x-1)/(10*x+3)/(x+1)$  lgdogf  
A010708 19.0862  $1/2/(10+x)*(-3+(9+40*x+4*x^2)^(1/2))$  revogf  
A010709 121.585  $-1/(x-1)$  lgdogf  
A010709 138.954  $x/(4+x)$  revogf  
A010709 19.0633  $[{a(n+1)-a(n), a(0) = 4}], ogf]$   
A010709 39.6517  $[ -4/(x-1)$  ogf]  
A010710 11.3294  $[{a(n+2)-a(n), a(0) = 4, a(1) = 5}], ogf]$   
A010710 17.6850  $[ -(5*x+4)/(x-1)/(x+1)$  ogf]  
A010710 20.2145  $-(5+8*x+5*x^2)/(-1+x)/(5*x+4)/(x+1)$  lgdogf  
A010710 23.5835  $(-2+((4+x)*(x+1))^(1/2))/(5+x)$  revogf  
A010711 11.3294  $[{a(n+2)-a(n), a(0) = 4, a(1) = 6}], ogf]$   
A010711 17.6850  $[ -2*(3*x+2)/(x-1)/(x+1)$  ogf]  
A010711 20.2145  $-(3+4*x+3*x^2)/(-1+x)/(3*x+2)/(x+1)$  lgdogf  
A010711 25.2681  $(-2+(4+6*x+x^2)^(1/2))/(6+x)$  revogf  
A010712 11.3294  $[{a(n+2)-a(n), a(0) = 4, a(1) = 7}], ogf]$   
A010712 17.6850  $[ -(7*x+4)/(x-1)/(x+1)$  ogf]  
A010712 20.2145  $-(7+8*x+7*x^2)/(-1+x)/(7*x+4)/(x+1)$  lgdogf  
A010712 25.2681  $(-2+(4+7*x+x^2)^(1/2))/(7+x)$  revogf  
A010713 11.3294  $[{a(n+2)-a(n), a(0) = 4, a(1) = 8}], ogf]$   
A010713 17.6850  $[ -4*(2*x+1)/(x-1)/(x+1)$  ogf]  
A010713 21.4396  $-2*(x^2+x+1)/(-1+x)/(2*x+1)/(x+1)$  lgdogf  
A010713 25.2681  $(-2+(4+8*x+x^2)^(1/2))/(8+x)$  revogf  
A010714 11.3294  $[{a(n+2)-a(n), a(0) = 4, a(1) = 9}], ogf]$   
A010714 17.6850  $[ -(9*x+4)/(x-1)/(x+1)$  ogf]  
A010714 20.2145  $-(9+8*x+9*x^2)/(-1+x)/(9*x+4)/(x+1)$  lgdogf  
A010714 25.2681  $(-2+(4+9*x+x^2)^(1/2))/(9+x)$  revogf  
A010715 10.8286  $[{a(n+2)-a(n), a(0) = 4, a(1) = 10}], ogf]$   
A010715 16.7586  $[ -2*(5*x+2)/(x-1)/(x+1)$  ogf]  
A010715 19.0862  $-\ln(14)+\ln(10+x+(16+x^2+20*x)^(1/2))$  revogf  
A010715 20.2089  $-(5+4*x+5*x^2)/(x-1)/(5*x+2)/(x+1)$  lgdogf  
A010716 101.072  $x/(5+x)$  revogf  
A010716 13.9439  $[{a(n+1)-a(n), a(0) = 5}], ogf]$   
A010716 29.0034  $[ -5/(x-1)$  ogf]  
A010716 78.6118  $-1/(-1+x)$  lgdogf  
A010717 11.3294  $[{a(n+2)-a(n), a(0) = 5, a(1) = 6}], ogf]$   
A010717 17.6850  $[ -(6*x+5)/(x-1)/(x+1)$  ogf]  
A010717 19.1218  $-2*(3+5*x+3*x^2)/(6*x+5)/(-1+x)/(x+1)$  lgdogf

A010717 19.6530  $1/2/(6+x)*(-5+(25+24*x+4*x^2)^{(1/2)})$  revogf  
A010718 11.3294  $[{a(n+2)-a(n), a(0) = 5, a(1) = 7}],$  ogf]  
A010718 17.6850  $[ -(7*x+5)/(x-1)/(x+1)$  ogf]  
A010718 19.6530  $-(7+10*x+7*x^2)/(7*x+5)/(-1+x)/(x+1)$  lgdogf  
A010718 19.6530  $1/2/(7+x)*(-5+(25+28*x+4*x^2)^{(1/2)})$  revogf  
A010719 11.3294  $[{a(n+2)-a(n), a(0) = 5, a(1) = 8}],$  ogf]  
A010719 17.6850  $[ -(8*x+5)/(x-1)/(x+1)$  ogf]  
A010719 19.1218  $-2*(4+5*x+4*x^2)/(8*x+5)/(-1+x)/(x+1)$  lgdogf  
A010719 19.6530  $1/2/(8+x)*(-5+(25+32*x+4*x^2)^{(1/2)})$  revogf  
A010720 11.3294  $[{a(n+2)-a(n), a(0) = 5, a(1) = 9}],$  ogf]  
A010720 17.6850  $[ -(9*x+5)/(x-1)/(x+1)$  ogf]  
A010720 19.6530  $-(9+10*x+9*x^2)/(9*x+5)/(-1+x)/(x+1)$  lgdogf  
A010720 19.6530  $1/2/(9+x)*(-5+(25+36*x+4*x^2)^{(1/2)})$  revogf  
A010721 10.8286  $[{a(n+2)-a(n), a(0) = 5, a(1) = 10}],$  ogf]  
A010721 16.7586  $[ -5*(2*x+1)/(x-1)/(x+1)$  ogf]  
A010721 18.5703  $1/2/(10+x)*(-5+(25+40*x+4*x^2)^{(1/2)})$  revogf  
A010721 21.4720  $-2*(x^2+x+1)/(x-1)/(2*x+1)/(x+1)$  lgdogf  
A010722 101.072  $x/(6+x)$  revogf  
A010722 13.9439  $[{a(n+1)-a(n), a(0) = 6}],$  ogf]  
A010722 29.0034  $[ -6/(x-1)$  ogf]  
A010722 78.6118  $-1/(-1+x)$  lgdogf  
A010723 11.3294  $[{a(n+2)-a(n), a(0) = 6, a(1) = 7}],$  ogf]  
A010723 17.6850  $[ -(7*x+6)/(x-1)/(x+1)$  ogf]  
A010723 19.6530  $-(7+12*x+7*x^2)/(-1+x)/(7*x+6)/(x+1)$  lgdogf  
A010723 25.2681  $(-3+(9+7*x+x^2)^{(1/2)})/(7+x)$  revogf  
A010724 11.3294  $[{a(n+2)-a(n), a(0) = 6, a(1) = 8}],$  ogf]  
A010724 17.6850  $[ -2*(4*x+3)/(x-1)/(x+1)$  ogf]  
A010724 19.1218  $-2*(2+3*x+2*x^2)/(-1+x)/(4*x+3)/(x+1)$  lgdogf  
A010724 25.2681  $(-3+(9+8*x+x^2)^{(1/2)})/(8+x)$  revogf  
A010725 11.3294  $[{a(n+2)-a(n), a(0) = 6, a(1) = 9}],$  ogf]  
A010725 17.6850  $[ -3*(3*x+2)/(x-1)/(x+1)$  ogf]  
A010725 20.2145  $-(3+4*x+3*x^2)/(-1+x)/(3*x+2)/(x+1)$  lgdogf  
A010725 25.2681  $(-3+(9+9*x+x^2)^{(1/2)})/(9+x)$  revogf  
A010726 10.8286  $[{a(n+2)-a(n), a(0) = 6, a(1) = 10}],$  ogf]  
A010726 16.7586  $[ -2*(5*x+3)/(x-1)/(x+1)$  ogf]  
A010726 18.5703  $-\ln(16)+\ln(10+x+((x+18)*(x+2))^{(1/2)})$  revogf  
A010726 20.2089  $-(5+6*x+5*x^2)/(x-1)/(5*x+3)/(x+1)$  lgdogf  
A010727 101.072  $x/(7+x)$  revogf  
A010727 13.9439  $[{a(n+1)-a(n), a(0) = 7}],$  ogf]  
A010727 29.0034  $[ -7/(x-1)$  ogf]  
A010727 78.6118  $-1/(-1+x)$  lgdogf  
A010728 11.3294  $[{a(n+2)-a(n), a(0) = 7, a(1) = 8}],$  ogf]  
A010728 17.6850  $[ -(8*x+7)/(x-1)/(x+1)$  ogf]  
A010728 19.1218  $-2*(4+7*x+4*x^2)/(-1+x)/(8*x+7)/(x+1)$  lgdogf  
A010728 19.6530  $1/2/(8+x)*(-7+(49+32*x+4*x^2)^{(1/2)})$  revogf  
A010729 11.3294  $[{a(n+2)-a(n), a(0) = 7, a(1) = 9}],$  ogf]  
A010729 17.6850  $[ -(9*x+7)/(x-1)/(x+1)$  ogf]  
A010729 19.6530  $-(9+14*x+9*x^2)/(-1+x)/(9*x+7)/(x+1)$  lgdogf  
A010729 19.6530  $1/2/(9+x)*(-7+(49+36*x+4*x^2)^{(1/2)})$  revogf  
A010730 10.8286  $[{a(n+2)-a(n), a(0) = 7, a(1) = 10}],$  ogf]  
A010730 16.7586  $[ -(10*x+7)/(x-1)/(x+1)$  ogf]  
A010730 18.5703  $-2*(5+7*x+5*x^2)/(x-1)/(10*x+7)/(x+1)$  lgdogf  
A010730 18.5703  $1/2/(10+x)*(-7+(49+40*x+4*x^2)^{(1/2)})$  revogf  
A010731 101.072  $x/(8+x)$  revogf  
A010731 13.9439  $[{a(n+1)-a(n), a(0) = 8}],$  ogf]  
A010731 29.0034  $[ -8/(x-1)$  ogf]  
A010731 78.6118  $-1/(-1+x)$  lgdogf  
A010732 11.3294  $[{a(n+2)-a(n), a(0) = 8, a(1) = 9}],$  ogf]  
A010732 17.6850  $[ -(9*x+8)/(x-1)/(x+1)$  ogf]  
A010732 19.6530  $-(9+16*x+9*x^2)/(-1+x)/(9*x+8)/(x+1)$  lgdogf  
A010732 24.3968  $(-4+(16+9*x+x^2)^{(1/2)})/(9+x)$  revogf

A010733 10.8286  $[ \{a(n+2)-a(n), a(0) = 8, a(1) = 10\}, \text{ogf}]$   
A010733 16.7586  $[ -2*(5*x+4)/(x-1)/(x+1) \text{ogf}]$   
A010733 18.5703  $-\ln(18)+\ln(10+x+((x+16)*(4+x))^{(1/2)}) \text{reveg}$   
A010733 20.2089  $-(5+8*x+5*x^2)/(x-1)/(5*x+4)/(x+1) \text{lgdogf}$   
A010734 101.072  $x/(9+x) \text{revogf}$   
A010734 13.9439  $[ \{a(n+1)-a(n), a(0) = 9\}, \text{ogf}]$   
A010734 29.0034  $[ -9/(x-1) \text{ogf}]$   
A010734 78.6118  $-1/(-1+x) \text{lgdogf}$   
A010735 10.8286  $[ \{a(n+2)-a(n), a(0) = 9, a(1) = 10\}, \text{ogf}]$   
A010735 16.7586  $[ -(10*x+9)/(x-1)/(x+1) \text{ogf}]$   
A010735 18.5703  $-2*(5+9*x+5*x^2)/(x-1)/(10*x+9)/(x+1) \text{lgdogf}$   
A010735 18.5703  $1/2/(10+x)*(-9+(81+40*x+4*x^2)^{(1/2)}) \text{revogf}$   
A010736 12.0422  $-3/2*(x-1+(1-6*x+x^2)^{(1/2)})/(1-6*x+x^2)^{(1/2)}/x \text{lgdogf}$   
A010737 10.1144  $-(6+6*x+10*x^4-8*x^3-15*x^2)/(x-1)/(5*x^2-2*x-4)/(2*x^2-1) \text{lgdogf}$   
A010737 5.36477  $[ \{a(n+3)-a(n+2)-2*a(n+1)+2*a(n), a(0) = 4, a(1) = 6, a(2) = 9\}, \text{ogf}]$   
A010737 9.85007  $[ -(5*x^2-2*x-4)/(x-1)/(2*x^2-1) \text{ogf}]$   
A010761 12.5088  $-(2+8*x+6*x^5+17*x^3+14*x^4+13*x^2)/(x-1)/(x+1)/(x^2+x+1)/(2*x^2+2*x+1) \text{lgdogf}$   
A010761 13.0579  $[ x*(2*x^2+2*x+1)/(x+1)/(x^2+x+1)/(x-1)^2 \text{ogf}]$   
A010762 5.56225  $[ -x^2*(x^7+x^6+x^5+2*x^4+3*x^3+x^2+2*x+1)/(x^2-x+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^3 \text{ogf}]$   
A010764 7.99980  $(1+x-13*x^7-4*x^8+4*x^9+7*x^5-11*x^6+8*x^3+13*x^4+2*x^2+4*x^{10})/(x-1)/(x+1)/(x^2+x+1)/(2*x^7-2*x^5-x^4+x^3+x^2-x-1) \text{lgdogf}$   
A010764 8.67903  $[ -x^3*(2*x^7-2*x^5-x^4+x^3+x^2-x-1)/(x+1)/(x^2+x+1)/(x-1)^2 \text{ogf}]$   
A010785 7.97304  $[ x*(9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(10*x^9-1)/(x^2+x+1)/(x^6+x^3+1) \text{ogf}]$   
A010790 6.66984  $[ \{(n^2+5*n+6)*a(n+1)-a(n+2), a(0) = 1, a(1) = 2\}, \text{ogf}]$   
A010791 4.93655  $[ \{(n^2+6*n+8)*a(n+1)-a(n+2), a(0) = 1, a(1) = 3\}, \text{ogf}]$   
A010792 7.09763  $[ \{(n^2+7*n+10)*a(n+1)-a(n+2), a(0) = 1, a(1) = 4\}, \text{ogf}]$   
A010793 4.40751  $[ \{(n^2+8*n+12)*a(n+1)-a(n+2), a(0) = 1, a(1) = 5\}, \text{ogf}]$   
A010794 6.40268  $[ \{(n^2+9*n+14)*a(n+1)-a(n+2), a(0) = 1, a(1) = 6\}, \text{ogf}]$   
A010795 4.63182  $[ \{(n^2+10*n+16)*a(n+1)-a(n+2), a(0) = 1, a(1) = 7\}, \text{ogf}]$   
A010796 6.20260  $[ \{(n^2+7*n+12)*a(n+1)-a(n+2), a(0) = 1, a(1) = 6\}, \text{ogf}]$   
A010797 3.93444  $[ \{(-n^3-12*n^2-47*n-60)*a(n+1)+a(n+2), a(0) = 1, a(1) = 24\}, \text{ogf}]$   
A010815 24.1162  $[1/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010816 22.9248  $[3/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010817 24.9368  $[9/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010818 26.3538  $[10/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010819 28.0922  $[11/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010820 23.2652  $[13/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010821 22.3281  $[14/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010822 23.3775  $[15/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010823 22.6645  $[17/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010824 22.1720  $[18/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010825 21.9300  $[19/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010826 22.0568  $[20/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010827 21.9295  $[21/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010828 22.1802  $[22/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010829 21.6655  $[23/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010830 27.0421  $[25/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010831 20.5351  $[26/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010832 28.1955  $[27/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010833 21.1043  $[28/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010834 27.8879  $[29/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010835 35.3965  $[30/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010836 27.4432  $[31/(x-1) \text{ogf\_with\_Euler\_transform}]$   
A010837 21.2806  $[32/(x-1) \text{ogf\_with\_Euler\_transform}]$

A010838 21.2005 [44/(x-1) ogf\_with\_Euler\_transform]  
A010839 21.0641 [48/(x-1) ogf\_with\_Euler\_transform]  
A010840 20.3940 [40/(x-1) ogf\_with\_Euler\_transform]  
A010841 25.6942 [64/(x-1) ogf\_with\_Euler\_transform]  
A010842 32.0719  $-3+2*x+(1-x)*f(x)$  lgdegf  
A010842 5.24332 [  $\{(-2*n-4)*a(n+1)+(n+5)*a(n+2)-a(n+3), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]  
A010843 37.6720  $2-3*x+(1-x)*f(x)$  lgdegf  
A010843 4.78375 [  $\{(-3*n-6)*a(n+1)-a(n+2)*n+a(n+3), a(0) = 1, a(1) = -2, a(2) = 5\}$ , ogf]  
A010844 27.3825  $-3+2*x+(1-2*x)*f(x)$  lgdegf  
A010844 3.93947 [  $\{(-2*n-4)*a(n+1)+(2*n+7)*a(n+2)-a(n+3), a(0) = 1, a(1) = 3, a(2) = 13\}$ , ogf]  
A010845 27.1392  $-4+3*x+(1-3*x)*f(x)$  lgdegf  
A010845 3.87483 [  $\{(3*n+6)*a(n+1)+(-3*n-10)*a(n+2)+a(n+3), a(0) = 1, a(1) = 4, a(2) = 25\}$ , ogf]  
A010849 12.9017  $-2*(x-1+(x^2+1-6*x)^(1/2))/x/(x^2+1-6*x)^(1/2)$  lgdogf  
A010850 101.229  $x/(11+x)$  revogf  
A010850 15.5949 [  $\{a(n+1)-a(n), a(0) = 11\}$ , ogf]  
A010850 31.7896 [  $-11/(x-1)$  ogf]  
A010850 89.9813  $-1/(-1+x)$  lgdogf  
A010851 12.4185 [  $\{a(n+1)-a(n), a(0) = 12\}$ , ogf]  
A010851 25.3147 [  $-12/(x-1)$  ogf]  
A010851 40.1391  $-\ln(12)+\ln(12+x)$  revegf  
A010851 71.3584  $-1/(-1+x)$  lgdogf  
A010852 12.4185 [  $\{a(n+1)-a(n), a(0) = 13\}$ , ogf]  
A010852 25.3147 [  $-13/(x-1)$  ogf]  
A010852 40.1391  $-\ln(13)+\ln(13+x)$  revegf  
A010852 71.3584  $-1/(-1+x)$  lgdogf  
A010853 12.4185 [  $\{a(n+1)-a(n), a(0) = 14\}$ , ogf]  
A010853 25.3147 [  $-14/(x-1)$  ogf]  
A010853 40.1391  $-\ln(14)+\ln(14+x)$  revegf  
A010853 71.3584  $-1/(-1+x)$  lgdogf  
A010854 12.4185 [  $\{a(n+1)-a(n), a(0) = 15\}$ , ogf]  
A010854 25.3147 [  $-15/(x-1)$  ogf]  
A010854 40.1391  $-\ln(15)+\ln(15+x)$  revegf  
A010854 71.3584  $-1/(-1+x)$  lgdogf  
A010855 12.4185 [  $\{a(n+1)-a(n), a(0) = 16\}$ , ogf]  
A010855 25.3147 [  $-16/(x-1)$  ogf]  
A010855 37.7780  $-4*\ln(2)+\ln(x+16)$  revegf  
A010855 71.3584  $-1/(-1+x)$  lgdogf  
A010856 12.4185 [  $\{a(n+1)-a(n), a(0) = 17\}$ , ogf]  
A010856 25.3147 [  $-17/(x-1)$  ogf]  
A010856 40.1391  $-\ln(17)+\ln(17+x)$  revegf  
A010856 71.3584  $-1/(-1+x)$  lgdogf  
A010857 12.4185 [  $\{a(n+1)-a(n), a(0) = 18\}$ , ogf]  
A010857 25.3147 [  $-18/(x-1)$  ogf]  
A010857 40.1391  $-\ln(18)+\ln(x+18)$  revegf  
A010857 71.3584  $-1/(-1+x)$  lgdogf  
A010858 12.4185 [  $\{a(n+1)-a(n), a(0) = 19\}$ , ogf]  
A010858 25.3147 [  $-19/(x-1)$  ogf]  
A010858 40.1391  $-\ln(19)+\ln(19+x)$  revegf  
A010858 71.3584  $-1/(-1+x)$  lgdogf  
A010859 12.4185 [  $\{a(n+1)-a(n), a(0) = 20\}$ , ogf]  
A010859 25.3147 [  $-20/(x-1)$  ogf]  
A010859 40.1391  $-\ln(20)+\ln(20+x)$  revegf  
A010859 71.3584  $-1/(-1+x)$  lgdogf  
A010860 12.4185 [  $\{a(n+1)-a(n), a(0) = 21\}$ , ogf]  
A010860 25.3147 [  $-21/(x-1)$  ogf]  
A010860 40.1391  $-\ln(21)+\ln(21+x)$  revegf  
A010860 71.3584  $-1/(-1+x)$  lgdogf

A010861 12.4185 [ $\{a(n+1)-a(n), a(0) = 22\}$ , ogf]  
A010861 25.3147 [  $-22/(x-1)$  ogf]  
A010861 40.1391  $-\ln(22)+\ln(22+x)$  revegef  
A010861 71.3584  $-1/(-1+x)$  lgdogf  
A010862 12.4185 [ $\{a(n+1)-a(n), a(0) = 23\}$ , ogf]  
A010862 25.3147 [  $-23/(x-1)$  ogf]  
A010862 40.1391  $-\ln(23)+\ln(23+x)$  revegef  
A010862 71.3584  $-1/(-1+x)$  lgdogf  
A010863 12.4185 [ $\{a(n+1)-a(n), a(0) = 24\}$ , ogf]  
A010863 25.3147 [  $-24/(x-1)$  ogf]  
A010863 40.1391  $-\ln(24)+\ln(24+x)$  revegef  
A010863 71.3584  $-1/(-1+x)$  lgdogf  
A010864 12.4185 [ $\{a(n+1)-a(n), a(0) = 25\}$ , ogf]  
A010864 25.3147 [  $-25/(x-1)$  ogf]  
A010864 37.7780  $-2*\ln(5)+\ln(25+x)$  revegef  
A010864 71.3584  $-1/(-1+x)$  lgdogf  
A010865 12.4185 [ $\{a(n+1)-a(n), a(0) = 26\}$ , ogf]  
A010865 25.3147 [  $-26/(x-1)$  ogf]  
A010865 40.1391  $-\ln(26)+\ln(26+x)$  revegef  
A010865 71.3584  $-1/(-1+x)$  lgdogf  
A010866 12.4185 [ $\{a(n+1)-a(n), a(0) = 27\}$ , ogf]  
A010866 25.3147 [  $-27/(x-1)$  ogf]  
A010866 37.7780  $-3*\ln(3)+\ln(27+x)$  revegef  
A010866 71.3584  $-1/(-1+x)$  lgdogf  
A010867 12.4185 [ $\{a(n+1)-a(n), a(0) = 28\}$ , ogf]  
A010867 25.3147 [  $-28/(x-1)$  ogf]  
A010867 40.1391  $-\ln(28)+\ln(28+x)$  revegef  
A010867 71.3584  $-1/(-1+x)$  lgdogf  
A010868 12.4185 [ $\{a(n+1)-a(n), a(0) = 29\}$ , ogf]  
A010868 25.3147 [  $-29/(x-1)$  ogf]  
A010868 40.1391  $-\ln(29)+\ln(29+x)$  revegef  
A010868 71.3584  $-1/(-1+x)$  lgdogf  
A010869 12.4185 [ $\{a(n+1)-a(n), a(0) = 30\}$ , ogf]  
A010869 25.3147 [  $-30/(x-1)$  ogf]  
A010869 40.1391  $-\ln(30)+\ln(30+x)$  revegef  
A010869 71.3584  $-1/(-1+x)$  lgdogf  
A010870 12.4185 [ $\{a(n+1)-a(n), a(0) = 31\}$ , ogf]  
A010870 25.3147 [  $-31/(x-1)$  ogf]  
A010870 40.1391  $-\ln(31)+\ln(31+x)$  revegef  
A010870 71.3584  $-1/(-1+x)$  lgdogf  
A010871 12.4185 [ $\{a(n+1)-a(n), a(0) = 32\}$ , ogf]  
A010871 25.3147 [  $-32/(x-1)$  ogf]  
A010871 37.7780  $-5*\ln(2)+\ln(32+x)$  revegef  
A010871 71.3584  $-1/(-1+x)$  lgdogf  
A010872 11.0454 [ $\{-a(n+3)+a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A010872 18.4090 [  $-x*(2*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A010872 24.3169  $-(2+4*x^3+3*x^2)/(x-1)/(2*x+1)/(x^2+x+1)$  lgdogf  
A010873 11.2303  $-2*(1+3*x+3*x^5+3*x^4+2*x^3)/(-1+x)/(x+1)/(x^2+1)/(3*x^2+2*x+1)$  lgdogf  
A010873 11.9396 [  $-x*(3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A010874 10.6620 [  $-x*(4*x^3+3*x^2+2*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A010874 8.42270  $-(2+6*x+9*x^6+8*x^5+8*x^7+5*x^4+12*x^2)/(-1+x)/(4*x^3+3*x^2+2*x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A010875 13.7341 [  $-x*(5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A010875 6.31702  $-2*(1+3*x+6*x^8+5*x^6+3*x^5+6*x^7+10*x^3+5*x^9+6*x^2)/(-1+x)/(x+1)/(x^2+x+1)/(x^2-x+1)/(5*x^4+4*x^3+3*x^2+2*x+1)$  lgdogf  
A010876 9.65244 [  $-x*(6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A010877 7.96171 [  $-x*(7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]

A010878 10.0586 [  $-x*(8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf ]  
A010879 6.72092 [  $-x*(9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf ]  
A010880 6.14607 [  $-x*(10*x^9+9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf ]  
A010881 5.59150 [  $-x*(11*x^{10}+10*x^9+9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf ]  
A010882 13.0433 [ {a(n+3)-a(n), a(0) = 1, a(1) = 2, a(2) = 3}, ogf ]  
A010882 17.3692  $-(2+6*x+3*x^4+4*x^3+3*x^2)/(x-1)/(x^2+x+1)/(3*x^2+2*x+1)$  lgdogf  
A010882 20.2305 [  $-(3*x^2+2*x+1)/(x-1)/(x^2+x+1)$  ogf ]  
A010883 12.7208 [  $-(4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)$  ogf ]  
A010883 8.73465  $-2*(1+3*x+2*x^6+3*x^5+3*x^4+2*x^3+6*x^2)/(-1+x)/(x+1)/(x^2+1)/(4*x^3+3*x^2+2*x+1)$  lgdogf  
A010884 11.1551 [  $-(5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf ]  
A010884 6.86899  $-(2+6*x+5*x^8+9*x^6+8*x^5+8*x^7+5*x^4+20*x^3+12*x^2)/(-1+x)/(x^4+x^3+x^2+x+1)/(5*x^4+4*x^3+3*x^2+2*x+1)$  lgdogf  
A010885 5.35990  $-2*(1+3*x+6*x^8+5*x^6+3*x^5+6*x^7+15*x^4+10*x^3+5*x^9+3*x^{10}+6*x^2)/(-1+x)/(x+1)/(x^2+x+1)/(x^2-x+1)/(6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)$  lgdogf  
A010885 9.93266 [  $-(6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A010886 8.95165 [  $-(7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf ]  
A010887 8.14701 [  $-(8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf ]  
A010888 9.76871 [  $-x*(9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf ]  
A010889 9.27337 [  $-(10*x^9+9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf ]  
A010891 10.4929 [  $1/(x^4+x^3+x^2+x+1)$  ogf ]  
A010891 20.5079 [ [x^4-1] ogf\_with\_Euler\_transform ]  
A010892 24.1944 [ x^5-x^2-x+1 ogf\_with\_Euler\_transform ]  
A010892 24.2461 [  $1/(x^2-x+1)$  ogf ]  
A010892 9.75756 [ {-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 1}, ogf ]  
A010894 11.1423 [ [x^19] ogf\_with\_Euler\_transform ]  
A010901 12.8809 [  $-(2*x^2-x+4)/(x^3-x^2+2*x-1)$  ogf ]  
A010901 14.2872  $-(7-4*x+2*x^4-2*x^3+9*x^2)/(2*x^2-x+4)/(x^3-x^2+2*x-1)$  lgdogf  
A010901 6.95338 [ {a(n+3)-2\*a(n+2)+a(n+1)-a(n), a(0) = 4, a(1) = 7, a(2) = 12}, ogf ]  
A010903 12.0397  $-1/2*(-3-5*x+((1+x)*(13*x+9))^{1/2})/(2+3*x)$  revogf  
A010903 13.9407  $-(13-18*x+6*x^2)/(2*x-3)/(3*x^2-5*x+1)$  lgdogf  
A010903 15.9609 [  $-(2*x-3)/(3*x^2-5*x+1)$  ogf ]  
A010903 8.65348 [ {-a(n+2)+5\*a(n+1)-3\*a(n), a(0) = 3, a(1) = 13}, ogf ]  
A010904 12.5517 [  $-(x^2-2*x+4)/(x^3-2*x^2+4*x-1)$  ogf ]  
A010904 6.71626 [ {a(n+3)-4\*a(n+2)+2\*a(n+1)-a(n), a(0) = 4, a(1) = 14, a(2) = 49}, ogf ]  
A010905 14.8704  $-(-2-2*x+((3*x+4)*(1+x))^{1/2})/(1+x)$  revogf  
A010905 16.3090 [  $-(x-4)/(x^2-4*x+1)$  ogf ]  
A010905 18.3402  $-(x-3)*(x-5)/(x-4)/(x^2-4*x+1)$  lgdogf  
A010905 8.84223 [ {-a(n+2)+4\*a(n+1)-a(n), a(0) = 4, a(1) = 15}, ogf ]  
A010907 13.7616 [  $-(x^3+2*x^2+3*x+4)/(x^4+2*x^3+3*x^2+4*x-1)$  ogf ]  
A010907 6.13583  $-(19+28*x+x^6+4*x^5+10*x^4+20*x^3+28*x^2)/(x^3+2*x^2+3*x+4)/(x^4+2*x^3+3*x^2+4*x-1)$  lgdogf  
A010908 13.6728  $-(-2-3*x+((1+x)*(5*x+4))^{1/2})/(3+4*x)$  revogf  
A010908 14.0326  $-(6*x-7)*(2*x-3)/(3*x-4)/(4*x^2-6*x+1)$  lgdogf  
A010908 16.2349 [  $-(3*x-4)/(4*x^2-6*x+1)$  ogf ]  
A010908 8.80204 [ {-a(n+2)+6\*a(n+1)-4\*a(n), a(0) = 4, a(1) = 21}, ogf ]  
A010909 11.7561 [  $-(2*x^2+x+4)/(3*x^3+x^2+6*x-1)$  ogf ]  
A010909 11.9450  $-(25+12*x+6*x^4+6*x^3+25*x^2)/(3*x^3+x^2+6*x-1)/(2*x^2+x+4)$

lgdogf  
 A010909 6.23583  $[ \{a(n+3)-6*a(n+2)-a(n+1)-3*a(n), a(0) = 4, a(1) = 25, a(2) = 156\}, \text{ogf}]$   
 A010910 16.6229  $[ -(3*x+4)/(5*x^2+6*x-1) \text{ogf}]$   
 A010910 18.3917  $(-2-3*x+((7*x+4)*(2*x+1))^(1/2))/(3+5*x) \text{revogf}$   
 A010910 18.8633  $-(27+40*x+15*x^2)/(3*x+4)/(5*x^2+6*x-1) \text{lgdogf}$   
 A010910 9.01243  $[ \{a(n+2)-6*a(n+1)-5*a(n), a(0) = 4, a(1) = 27\}, \text{ogf}]$   
 A010911 10.2316  $-(11+14*x+10*x^2+4*x^3+x^4)/(x^2+2*x+3)/(x^3+2*x^2+3*x-1) \text{lgdogf}$   
 A010911 12.6051  $[ -(x^2+2*x+3)/(x^3+2*x^2+3*x-1) \text{ogf}]$   
 A010911 6.74484  $[ \{-a(n+3)+3*a(n+2)+2*a(n+1)+a(n), a(0) = 3, a(1) = 11, a(2) = 40\}, \text{ogf}]$   
 A010912 12.3224  $[ -(x^2-2*x+3)/(x^3-2*x^2+3*x-1) \text{ogf}]$   
 A010912 13.1796  $-(7-10*x+x^4-4*x^3+10*x^2)/(x^2-2*x+3)/(x^3-2*x^2+3*x-1) \text{lgdogf}$   
 A010912 6.65190  $[ \{a(n+3)-3*a(n+2)+2*a(n+1)-a(n), a(0) = 3, a(1) = 7, a(2) = 16\}, \text{ogf}]$   
 A010913 11.7875  $-1/2*(-3-6*x+((14*x+9)*(2*x+1))^(1/2))/(2*x+1) \text{revogf}$   
 A010913 15.0619  $-(17-12*x+2*x^2)/(x-3)/(2*x^2-6*x+1) \text{lgdogf}$   
 A010913 16.6529  $[ -(x-3)/(2*x^2-6*x+1) \text{ogf}]$   
 A010913 9.02870  $[ \{-a(n+2)+6*a(n+1)-2*a(n), a(0) = 3, a(1) = 17\}, \text{ogf}]$   
 A010914 16.8697  $[ -(3*x-5)/(2*x^2-4*x+1) \text{ogf}]$   
 A010914 17.3513  $-1/2*(-5-4*x+(25+28*x+8*x^2)^(1/2))/(3+2*x) \text{revogf}$   
 A010914 19.6343  $-(17-20*x+6*x^2)/(3*x-5)/(2*x^2-4*x+1) \text{lgdogf}$   
 A010914 9.14623  $[ \{a(n+2)-4*a(n+1)+2*a(n), a(0) = 5, a(1) = 17\}, \text{ogf}]$   
 A010915 5.63531  $-(16-10*x+6*x^6-2*x^5+6*x^7+9*x^4+14*x^3+2*x^8+8*x^2)/(2*x^4+3*x^3+x^2-2*x+6)/(x^5+x^4-x^2+3*x-1) \text{lgdogf}$   
 A010915 8.97734  $[ -(2*x^4+3*x^3+x^2-2*x+6)/(x^5+x^4-x^2+3*x-1) \text{ogf}]$   
 A010917 6.83580  $[ -(6*x^11+5*x^10-x^8-6*x-5)/(5*x^12+3*x^11-x^10-x^9-5*x^2-3*x+1) \text{ogf}]$   
 A010918 5.98489  $-(55+98*x+42*x^6-50*x^2-178*x^3-42*x^4+84*x^5)/(7*x^3+7*x^2-7*x-8)/(6*x^4+5*x^3-7*x^2-6*x+1) \text{lgdogf}$   
 A010918 9.01495  $[ -(7*x^3+7*x^2-7*x-8)/(6*x^4+5*x^3-7*x^2-6*x+1) \text{ogf}]$   
 A010919 9.47810  $[ -(x^4+x^2-x-4)/(x^5+x^3-x^2-3*x+1) \text{ogf}]$   
 A010920 12.0397  $-1/2*(-3-5*x+((1+x)*(13*x+9))^(1/2))/(2+3*x) \text{revogf}$   
 A010920 12.0428  $[ -(2*x-3)/(3*x^2-5*x+1) \text{ogf}]$   
 A010920 13.9407  $-(13-18*x+6*x^2)/(2*x-3)/(3*x^2-5*x+1) \text{lgdogf}$   
 A010920 6.52922  $[ \{-a(n+2)+5*a(n+1)-3*a(n), a(0) = 3, a(1) = 13\}, \text{ogf}]$   
 A010924 13.7653  $(-4-3*x+((15*x+16)*(1+x))^(1/2))/(7+6*x) \text{revogf}$   
 A010924 14.1182  $-(55+96*x+42*x^2)/(7*x+8)/(6*x^2+6*x-1) \text{lgdogf}$   
 A010924 15.4256  $[ -(7*x+8)/(6*x^2+6*x-1) \text{ogf}]$   
 A010924 8.36326  $[ \{a(n+2)-6*a(n+1)-6*a(n), a(0) = 8, a(1) = 55\}, \text{ogf}]$   
 A010926 10.4908  $10/(x+1) \text{lgdogf}$   
 A010927 12.1139  $11/(x+1) \text{lgdogf}$   
 A010928 13.7866  $12/(x+1) \text{lgdogf}$   
 A010929 16.8240  $13/(x+1) \text{lgdogf}$   
 A010930 11.2191  $-14+(x+1)*f(x) \text{lgdogf}$   
 A010931 12.8727  $-15+(1+x)*f(x) \text{lgdogf}$   
 A010932 14.7732  $-16+(1+x)*f(x) \text{lgdogf}$   
 A010933 10.4706  $[[17-17*x] \text{ogf\_with\_Euler\_transform}]$   
 A010933 16.7229  $-17+(1+x)*f(x) \text{lgdogf}$   
 A010934 11.4358  $[[18-18*x] \text{ogf\_with\_Euler\_transform}]$   
 A010934 18.2976  $-18+(1+x)*f(x) \text{lgdogf}$   
 A010935 12.6739  $[[19-19*x] \text{ogf\_with\_Euler\_transform}]$   
 A010935 20.3282  $-19+(1+x)*f(x) \text{lgdogf}$   
 A010936 14.5879  $[[20-20*x] \text{ogf\_with\_Euler\_transform}]$   
 A010936 23.4863  $-20+(1+x)*f(x) \text{lgdogf}$   
 A010936 3.21685  $[ \{(-n-2)*a(n+2)+(19-n)*a(n+1), a(0) = 1, a(1) = 20\}, \text{ogf}]$   
 A010937 16.0168  $[[21-21*x] \text{ogf\_with\_Euler\_transform}]$   
 A010937 25.8323  $-21+(1+x)*f(x) \text{lgdogf}$   
 A010937 3.52845  $[ \{(-n-2)*a(n+2)+(20-n)*a(n+1), a(0) = 1, a(1) = 21\}, \text{ogf}]$   
 A010938 17.2023  $[[22-22*x] \text{ogf\_with\_Euler\_transform}]$   
 A010938 27.7715  $-22+(1+x)*f(x) \text{lgdogf}$



A010938 3.78625 [ $\{(-n-2)*a(n+2)+(21-n)*a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A010939 19.2219 [[23-23\*x] ogf\_with\_Euler\_transform]  
A010939 31.0995 -23+(1+x)\*f(x) lgdogf  
A010939 4.22741 [ $\{(-n-2)*a(n+2)+(22-n)*a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A010940 21.1410 [[24-24\*x] ogf\_with\_Euler\_transform]  
A010940 34.2581 -24+(1+x)\*f(x) lgdogf  
A010940 4.64612 [ $\{(-n-2)*a(n+2)+(23-n)*a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A010941 22.8120 [[25-25\*x] ogf\_with\_Euler\_transform]  
A010941 37.0027 -25+(1+x)\*f(x) lgdogf  
A010941 5.01009 [ $\{(-n-2)*a(n+2)+(24-n)*a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A010942 24.3649 [[26-26\*x] ogf\_with\_Euler\_transform]  
A010942 39.5501 -26+(1+x)\*f(x) lgdogf  
A010942 5.34796 [ $\{(-n-2)*a(n+2)+(25-n)*a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A010943 26.5100 [[27-27\*x] ogf\_with\_Euler\_transform]  
A010943 43.0806 -27+(1+x)\*f(x) lgdogf  
A010943 5.81563 [ $\{(-n-2)*a(n+2)+(26-n)*a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A010944 28.6859 [[28-28\*x] ogf\_with\_Euler\_transform]  
A010944 46.6612 -28+(1+x)\*f(x) lgdogf  
A010944 6.28986 [ $\{(-n-2)*a(n+2)+(27-n)*a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A010945 30.8913 [[29-29\*x] ogf\_with\_Euler\_transform]  
A010945 50.2892 -29+(1+x)\*f(x) lgdogf  
A010945 6.77031 [ $\{(-n-2)*a(n+2)+(28-n)*a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A010946 33.2726 [[30-30\*x] ogf\_with\_Euler\_transform]  
A010946 54.2080 -30+(1+x)\*f(x) lgdogf  
A010946 7.28913 [ $\{(-n-2)*a(n+2)+(29-n)*a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A010947 33.9658 [[31-31\*x] ogf\_with\_Euler\_transform]  
A010947 55.3910 -31+(1+x)\*f(x) lgdogf  
A010947 7.44413 [ $\{(-n-2)*a(n+2)+(30-n)*a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A010948 33.1017 [[32-32\*x] ogf\_with\_Euler\_transform]  
A010948 54.0292 -32+(1+x)\*f(x) lgdogf  
A010948 7.26168 [ $\{(-n-2)*a(n+2)+(31-n)*a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A010949 31.3491 [[33-33\*x] ogf\_with\_Euler\_transform]  
A010949 51.1987 -33+(1+x)\*f(x) lgdogf  
A010949 6.88504 [ $\{(-n-2)*a(n+2)+(32-n)*a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A010950 32.1888 [[34-34\*x] ogf\_with\_Euler\_transform]  
A010950 52.5950 -34+(1+x)\*f(x) lgdogf  
A010950 7.06946 [ $\{(-n-2)*a(n+2)+(33-n)*a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A010951 30.9514 [[35-35\*x] ogf\_with\_Euler\_transform]  
A010951 50.5824 -35+(1+x)\*f(x) lgdogf  
A010951 6.80216 [ $\{(-n-2)*a(n+2)+(34-n)*a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A010952 31.3660 [[36-36\*x] ogf\_with\_Euler\_transform]  
A010952 51.2722 -36+(1+x)\*f(x) lgdogf  
A010952 6.89326 [ $\{(-n-2)*a(n+2)+(35-n)*a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A010953 30.5370 [[37-37\*x] ogf\_with\_Euler\_transform]  
A010953 49.9408 -37+(1+x)\*f(x) lgdogf  
A010953 6.71588 [ $\{(-n-2)*a(n+2)+(36-n)*a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A010954 31.0823 [[38-38\*x] ogf\_with\_Euler\_transform]  
A010954 50.8488 -38+(1+x)\*f(x) lgdogf  
A010954 6.83580 [ $\{(-n-2)*a(n+2)+(37-n)*a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A010955 31.2186 [[39-39\*x] ogf\_with\_Euler\_transform]  
A010955 51.0758 -39+(1+x)\*f(x) lgdogf  
A010955 6.86578 [ $\{(-n-2)*a(n+2)+(38-n)*a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A010956 29.9697 [[40-40\*x] ogf\_with\_Euler\_transform]  
A010956 49.0480 -40+(1+x)\*f(x) lgdogf  
A010956 6.59636 [ $\{(-n-2)*a(n+2)+(39-n)*a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A010957 30.6416 [[41-41\*x] ogf\_with\_Euler\_transform]  
A010957 50.1678 -41+(1+x)\*f(x) lgdogf  
A010957 6.74426 [ $\{(-n-2)*a(n+2)+(40-n)*a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A010958 30.9104 [[42-42\*x] ogf\_with\_Euler\_transform]  
A010958 50.6158 -42+(1+x)\*f(x) lgdogf  
A010958 6.80342 [ $\{(-n-2)*a(n+2)+(41-n)*a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]

A010959 31.3136 [[43-43\*x] ogf\_with\_Euler\_transform]  
A010959 51.2877 -43+(1+x)\*f(x) lgdogf  
A010959 6.89216 [{-n-2}\*a(n+2)+(42-n)\*a(n+1), a(0) = 1, a(1) = 43}, ogf]  
A010960 29.6510 [[44-44\*x] ogf\_with\_Euler\_transform]  
A010960 48.5735 -44+(1+x)\*f(x) lgdogf  
A010960 6.53201 [{-n-2}\*a(n+2)+(43-n)\*a(n+1), a(0) = 1, a(1) = 44}, ogf]  
A010961 29.9157 [[45-45\*x] ogf\_with\_Euler\_transform]  
A010961 49.0151 -45+(1+x)\*f(x) lgdogf  
A010961 6.59033 [{-n-2}\*a(n+2)+(44-n)\*a(n+1), a(0) = 1, a(1) = 45}, ogf]  
A010962 30.3128 [[46-46\*x] ogf\_with\_Euler\_transform]  
A010962 49.6774 -46+(1+x)\*f(x) lgdogf  
A010962 6.67781 [{-n-2}\*a(n+2)+(45-n)\*a(n+1), a(0) = 1, a(1) = 46}, ogf]  
A010963 28.2640 [[47-47\*x] ogf\_with\_Euler\_transform]  
A010963 46.3202 -47+(1+x)\*f(x) lgdogf  
A010963 6.23265 [{-n-2}\*a(n+2)+(46-n)\*a(n+1), a(0) = 1, a(1) = 47}, ogf]  
A010964 28.6548 [[48-48\*x] ogf\_with\_Euler\_transform]  
A010964 46.9726 -48+(1+x)\*f(x) lgdogf  
A010964 6.31881 [{-n-2}\*a(n+2)+(47-n)\*a(n+1), a(0) = 1, a(1) = 48}, ogf]  
A010965 5.22044 [-1/(x-1)^13 ogf]  
A010965 54.5984 -13+(1-x)\*f(x) lgdogf  
A010965 7.33817 [{-n-2}\*a(n+2)+(14+n)\*a(n+1), a(0) = 1, a(1) = 13}, ogf]  
A010966 53.5532 -14+(1-x)\*f(x) lgdogf  
A010966 7.19881 [{-n-2}\*a(n+2)+(15+n)\*a(n+1), a(0) = 1, a(1) = 14}, ogf]  
A010967 55.2193 -15+(1-x)\*f(x) lgdogf  
A010967 7.41886 [{-n-2}\*a(n+2)+(16+n)\*a(n+1), a(0) = 1, a(1) = 15}, ogf]  
A010968 53.4397 -16+(1-x)\*f(x) lgdogf  
A010968 7.18244 [{-n-2}\*a(n+2)+(17+n)\*a(n+1), a(0) = 1, a(1) = 16}, ogf]  
A010969 55.0876 -17+(1-x)\*f(x) lgdogf  
A010969 7.40009 [{-n-2}\*a(n+2)+(18+n)\*a(n+1), a(0) = 1, a(1) = 17}, ogf]  
A010970 53.0605 -18+(1-x)\*f(x) lgdogf  
A010970 7.13093 [{-n-2}\*a(n+2)+(19+n)\*a(n+1), a(0) = 1, a(1) = 18}, ogf]  
A010971 54.2241 -19+(1-x)\*f(x) lgdogf  
A010971 7.28462 [{-n-2}\*a(n+2)+(20+n)\*a(n+1), a(0) = 1, a(1) = 19}, ogf]  
A010972 51.2722 -20+(1-x)\*f(x) lgdogf  
A010972 6.89326 [{-n-2}\*a(n+2)+(21+n)\*a(n+1), a(0) = 1, a(1) = 20}, ogf]  
A010973 52.6517 -21+(1-x)\*f(x) lgdogf  
A010973 7.07546 [{-n-2}\*a(n+2)+(22+n)\*a(n+1), a(0) = 1, a(1) = 21}, ogf]  
A010974 54.0312 -22+(1-x)\*f(x) lgdogf  
A010974 7.25766 [{-n-2}\*a(n+2)+(23+n)\*a(n+1), a(0) = 1, a(1) = 22}, ogf]  
A010975 50.8488 -23+(1-x)\*f(x) lgdogf  
A010975 6.83580 [{-n-2}\*a(n+2)+(24+n)\*a(n+1), a(0) = 1, a(1) = 23}, ogf]  
A010976 51.0758 -24+(1-x)\*f(x) lgdogf  
A010976 6.86578 [{-n-2}\*a(n+2)+(25+n)\*a(n+1), a(0) = 1, a(1) = 24}, ogf]  
A010977 52.6648 -25+(1-x)\*f(x) lgdogf  
A010977 7.07566 [{-n-2}\*a(n+2)+(26+n)\*a(n+1), a(0) = 1, a(1) = 25}, ogf]  
A010978 53.5728 -26+(1-x)\*f(x) lgdogf  
A010978 7.19558 [{-n-2}\*a(n+2)+(27+n)\*a(n+1), a(0) = 1, a(1) = 26}, ogf]  
A010979 49.9439 -27+(1-x)\*f(x) lgdogf  
A010979 6.71468 [{-n-2}\*a(n+2)+(28+n)\*a(n+1), a(0) = 1, a(1) = 27}, ogf]  
A010980 50.6158 -28+(1-x)\*f(x) lgdogf  
A010980 6.80342 [{-n-2}\*a(n+2)+(29+n)\*a(n+1), a(0) = 1, a(1) = 28}, ogf]  
A010981 51.5116 -29+(1-x)\*f(x) lgdogf  
A010981 6.92175 [{-n-2}\*a(n+2)+(30+n)\*a(n+1), a(0) = 1, a(1) = 29}, ogf]  
A010982 51.9595 -30+(1-x)\*f(x) lgdogf  
A010982 6.98091 [{-n-2}\*a(n+2)+(31+n)\*a(n+1), a(0) = 1, a(1) = 30}, ogf]  
A010983 52.8554 -31+(1-x)\*f(x) lgdogf  
A010983 7.09923 [{-n-2}\*a(n+2)+(32+n)\*a(n+1), a(0) = 1, a(1) = 31}, ogf]  
A010984 49.2359 -32+(1-x)\*f(x) lgdogf  
A010984 6.61949 [{-n-2}\*a(n+2)+(33+n)\*a(n+1), a(0) = 1, a(1) = 32}, ogf]  
A010985 49.4566 -33+(1-x)\*f(x) lgdogf  
A010985 6.64865 [{-n-2}\*a(n+2)+(34+n)\*a(n+1), a(0) = 1, a(1) = 33}, ogf]

A010986 49.8982  $-34+(1-x)*f(x)$  lgdogf  
A010986 6.70697  $[ \{ (-n-2)*a(n+2)+(35+n)*a(n+1), a(0) = 1, a(1) = 34 \}, ogf]$   
A010987 50.7814  $-35+(1-x)*f(x)$  lgdogf  
A010987 6.82361  $[ \{ (-n-2)*a(n+2)+(36+n)*a(n+1), a(0) = 1, a(1) = 35 \}, ogf]$   
A010988 51.0022  $-36+(1-x)*f(x)$  lgdogf  
A010988 6.85277  $[ \{ (-n-2)*a(n+2)+(37+n)*a(n+1), a(0) = 1, a(1) = 36 \}, ogf]$   
A010989 51.2229  $-37+(1-x)*f(x)$  lgdogf  
A010989 6.88193  $[ \{ (-n-2)*a(n+2)+(38+n)*a(n+1), a(0) = 1, a(1) = 37 \}, ogf]$   
A010990 52.3269  $-38+(1-x)*f(x)$  lgdogf  
A010990 7.02775  $[ \{ (-n-2)*a(n+2)+(39+n)*a(n+1), a(0) = 1, a(1) = 38 \}, ogf]$   
A010991 52.7685  $-39+(1-x)*f(x)$  lgdogf  
A010991 7.08607  $[ \{ (-n-2)*a(n+2)+(40+n)*a(n+1), a(0) = 1, a(1) = 39 \}, ogf]$   
A010992 48.4949  $-40+(1-x)*f(x)$  lgdogf  
A010992 6.51987  $[ \{ (-n-2)*a(n+2)+(41+n)*a(n+1), a(0) = 1, a(1) = 40 \}, ogf]$   
A010993 49.3647  $-41+(1-x)*f(x)$  lgdogf  
A010993 6.63475  $[ \{ (-n-2)*a(n+2)+(42+n)*a(n+1), a(0) = 1, a(1) = 41 \}, ogf]$   
A010994 49.7996  $-42+(1-x)*f(x)$  lgdogf  
A010994 6.69220  $[ \{ (-n-2)*a(n+2)+(43+n)*a(n+1), a(0) = 1, a(1) = 42 \}, ogf]$   
A010995 49.7996  $-43+(1-x)*f(x)$  lgdogf  
A010995 6.69220  $[ \{ (-n-2)*a(n+2)+(44+n)*a(n+1), a(0) = 1, a(1) = 43 \}, ogf]$   
A010996 50.4520  $-44+(1-x)*f(x)$  lgdogf  
A010996 6.77837  $[ \{ (-n-2)*a(n+2)+(45+n)*a(n+1), a(0) = 1, a(1) = 44 \}, ogf]$   
A010997 51.3219  $-45+(1-x)*f(x)$  lgdogf  
A010997 6.89325  $[ \{ (-n-2)*a(n+2)+(46+n)*a(n+1), a(0) = 1, a(1) = 45 \}, ogf]$   
A010998 51.3219  $-46+(1-x)*f(x)$  lgdogf  
A010998 6.89325  $[ \{ (-n-2)*a(n+2)+(47+n)*a(n+1), a(0) = 1, a(1) = 46 \}, ogf]$   
A010999 51.9743  $-47+(1-x)*f(x)$  lgdogf  
A010999 6.97942  $[ \{ (-n-2)*a(n+2)+(48+n)*a(n+1), a(0) = 1, a(1) = 47 \}, ogf]$   
A011000 52.1918  $-48+(1-x)*f(x)$  lgdogf  
A011000 7.00814  $[ \{ (-n-2)*a(n+2)+(49+n)*a(n+1), a(0) = 1, a(1) = 48 \}, ogf]$   
A011001 47.7177  $-49+(1-x)*f(x)$  lgdogf  
A011001 6.41539  $[ \{ (-n-2)*a(n+2)+(50+n)*a(n+1), a(0) = 1, a(1) = 49 \}, ogf]$   
A011195 15.2159  $-5*(7+14*x+3*x^2)/(x-1)/(5*x^2+15*x+4)$  lgdogf  
A011195 4.01803  $[ \{ (12+4*n)*a(n+4)+(-13+11*n)*a(n+3)+(-80-10*n)*a(n+2)+(-15-5*n)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 35, a(3) = 140 \}, ogf]$   
A011195 9.75808  $[ -x*(5*x^2+15*x+4)/(x-1)^5 ogf]$   
A011197 10.3719  $-(63+287*x+21*x^3+205*x^2)/(x-1)/(7*x^3+46*x^2+39*x+4)$  lgdogf  
A011197 7.51591  $[ 5*x*(7*x^3+46*x^2+39*x+4)/(x-1)^6 ogf]$   
A011199 11.4763  $[ (15*x^2+20*x+1)/(x-1)^4 ogf]$   
A011199 15.0567  $-6*(4+15*x+5*x^2)/(x-1)/(15*x^2+20*x+1)$  lgdogf  
A011199 3.93633  $[ \{ (n+4)*a(n+4)+(33+19*n)*a(n+3)+(-100-5*n)*a(n+2)+(-45-15*n)*a(n+1), a(0) = 1, a(1) = 24, a(2) = 105, a(3) = 280 \}, ogf]$   
A011245 10.0601  $-30*(4+39*x+7*x^3+46*x^2)/(x-1)/(105*x^3+355*x^2+115*x+1)$  lgdogf  
A011245 6.30600  $[ -(105*x^3+355*x^2+115*x+1)/(x-1)^5 ogf]$   
A011270 34.0505  $x*(1-3*x+x^2)/(x-1)^2$  revogf  
A011367 8.27164  $[ (x^3+x^2-1)/(x^4+4*x^3+5*x^2+2*x-1) ogf]$   
A011367 8.69290  $-(x^2+x+1)*(x^4+x^3-3*x^2-6*x-2)/(x^3+x^2-1)/(x^4+4*x^3+5*x^2+2*x-1)$  lgdogf  
A011369 7.34116  $[ -x^2*(2*x^6-x^4+7*x^3-2*x^2-x-1)/(x-1)/(x^2+x-1)/(x^4-x^3+2*x^2+x+1) ogf]$   
A011377 12.5883  $[ -1/(x+1)/(2*x-1)/(x-1)^2 ogf]$   
A011377 16.7620  $-(-3-x+8*x^2)/(x-1)/(2*x-1)/(x+1)$  lgdogf  
A011379 11.5207  $[ 2*x*(2*x+1)/(x-1)^4 ogf]$   
A011379 33.5353  $-6*(x+1)/(2*x+1)/(x-1)$  lgdogf  
A011379 4.99229  $[ \{ (n+2)*a(n+3)+(-5+n)*a(n+2)+(-6-2*n)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 12 \}, ogf]$   
A011531 7.43456  $(10-8*x-80*x^12+11*x^10+87*x^11-19*x^18-143*x^19+144*x^20)/(x-1)/(8*x^20+x^19-8*x^12-x^11+8*x^2-8*x-1)$  lgdogf  
A011531 8.69896  $[ -(8*x^20+x^19-8*x^12-x^11+8*x^2-8*x-1)/(x-1)^2 ogf]$   
A011557 11.7778  $[ \{ a(n+1)-10*a(n), a(0) = 1 \}, ogf]$   
A011557 28.3737  $[ -1/(10*x-1) ogf]$

A011557 40.8296  $1/10*\ln(1+10*x)$  reveqf  
A011557 47.1110  $-10/(-1+10*x)$  lgdogf  
A011558 14.7548  $[-x*(x+1)*(x^2+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A011558 27.2186  $[[x^4-x^3+1]$  ogf\_with\_Euler\_transform]  
A011558 9.18840  $-(1+2*x+3*x^6+4*x^5+2*x^7+5*x^4+3*x^2)/(-1+x)/(x+1)/(x^2+1)/$   
 $(x^4+x^3+x^2+x+1)$  lgdogf  
A011582 4.48006  $[x*(x^8+x^6+2*x^5+3*x^4+2*x^3+x^2+1)/$   
 $(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A011632 5.98488  $-2*x/(1+x^2)$  lgdogf  
A011634 4.93145  $[x^6+x^4-1$  ogf\_with\_Euler\_transform]  
A011638 5.16447  $[x^{20}+x^8-x^2$  ogf\_with\_Euler\_transform]  
A011639 10.7103  $[x^{12}+x^4-1$  ogf\_with\_Euler\_transform]  
A011642 12.9654  $[x^{10}+x^6-1$  ogf\_with\_Euler\_transform]  
A011644 15.1106  $[x^{16}+x^4-1$  ogf\_with\_Euler\_transform]  
A011644 5.05566  $[ -1/(x-1)/(x^4+x^3+x^2+x+1)/$   
 $(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A011647 15.2535  $[x^{18}+x^4-1$  ogf\_with\_Euler\_transform]  
A011647 5.10088  $[ -1/(x-1)/(x^4+x^3+x^2+x+1)/$   
 $(x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x$   
 $+1)$  ogf]  
A011653 21.9390  $[x^{22}+x^4-1$  ogf\_with\_Euler\_transform]  
A011653 7.01947  $[ -1/(x-1)/(x^4+x^3+x^2+x+1)/$   
 $(x^{22}+x^{21}+x^{20}+x^{19}+x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^$   
 $6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A011654 22.6696  $[x^{16}+x^6-1$  ogf\_with\_Euler\_transform]  
A011654 5.32525  $[ -1/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/$   
 $(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A011655 11.0454  $[{-a(n+3)+a(n), a(0) = 0, a(1) = 1, a(2) = 1},$  ogf]  
A011655 18.4090  $[ -(x+1)*x/(x-1)/(x^2+x+1)$  ogf]  
A011655 25.5968  $-(1+2*x^3+3*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A011655 28.5069  $[[x^2-x+1]$  ogf\_with\_Euler\_transform]  
A011656 10.9290  $-x*(2+5*x^7+7*x^5+4*x^2+4*x^8+3*x^9+3*x)/( -1+x)/(x^4+x^3+x^2+1)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A011656 12.0287  $[ -x^2*(x^4+x^3+x^2+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A011657 8.22682  $-(1+2*x+5*x^8+7*x^6+6*x^7+4*x^3+3*x^{10})/(-1+x)/(x^4+x^2+x+1)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A011657 7.78889  $[ -x^2*(x^4+x^2+x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A011658 10.4032  $[ -x^3*(x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A011658 15.0533  $-(1+4*x^5+5*x^4)/(x^4+x^3+x^2+x+1)/(-1+x)/(x+1)$  lgdogf  
A011658 17.5281  $[[x^4-x+1]$  ogf\_with\_Euler\_transform]  
A011659 5.52569  $[ -x^3*(x^{11}+x^8+x^7+x^5+x^3+x^2+x+1)/(x-1)/(x^4+x^3+x^2+x+1)/$   
 $(x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)$  ogf]  
A011671 4.81699  $[ -x^5*(x^{15}+x^{14}+x^{12}+x^9+x^8+x^5+x^2+1)/(x-1)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^{12}-x^{11}+x^9-x^8+x^6-x^4+x^3-x+1)$  ogf]  
A011672 10.5598  $-3*x^2*(1+3*x^6+2*x^9)/(-1+x)/(x+1)/(x^2+x+1)/(x^2-x+1)/$   
 $(x^6+x^3+1)$  lgdogf  
A011672 13.5445  $[x^8-x^5+x^2$  ogf\_with\_Euler\_transform]  
A011672 9.14763  $[ -x^5*(x+1)*(x^2-x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A011693 5.65722  $[ -x^7*(x+1)*(x^8-x^7+x^6+x^4+x^2-x+1)/(x-1)/$   
 $(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A011707 5.67191  $[ -x^7*(x+1)*(x^8+x^5-x^4+x^3+1)/(x-1)/$   
 $(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A011733 3.70539  $[ -(-2*x^36-2*x^22-3*x^19-x^{11}-x^8-x^5-x^2)/(-$   
 $x^{23}+2*x^{20}+2*x^{17}+x^9+x^6+x^3+1)$  ogf\_with\_Euler\_transform]  
A011734 3.72473  $[ -(-2*x^26-4*x^24-2*x^22-x^{20}-x^7-x^5-x^3-x)/$   
 $(2*x^{25}+3*x^{23}+2*x^{21}+x^6+x^4+x^2+1)$  ogf\_with\_Euler\_transform]  
A011741 6.81458  $[ x^{27}*(x+1)*(x^2-x+1)/(x-1)/(x^2+x+1)/(x^{28}-x^3-1)$  ogf]  
A011742 7.45146  $[ x^{28}*(x^2+1)/(x-1)/(x+1)/(x^{29}-x^2-1)$  ogf]  
A011744 6.68720  $[ x^{30}*(x+1)*(x^2-x+1)/(x-1)/(x^2+x+1)/(x^{31}-x^3-1)$  ogf]  
A011745 6.06131  $[ x^{31}*(x+1)/(x-1)/(x^{32}-x^{28}-x^{27}-x-1)$  ogf]  
A011760 14.1604  $[ -(x^{13}-x^{12}-1)/(x-1)^2$  ogf]

A011760 17.4167  $(2+12*x^{11}-23*x^{12}+11*x^{13})/(x-1)/(x^{13}-x^{12}-1)$  lgdogf  
A011761 12.5058  $[-(4*x^2+1)/(x^3+x-1)$  ogf]  
A011761 15.7486  $-(1+8*x+4*x^4-x^2)/(1+4*x^2)/(x^3+x-1)$  lgdogf  
A011761 6.51896  $[{a(n+3)-a(n+2)-a(n), a(0) = 1, a(1) = 1, a(2) = 5}],$  ogf]  
A011763 11.6136  $[-(366*x^3+365*x^2+365*x+365)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A011763 7.17863  $-(365+730*x+1098*x^2+1460*x^3+1095*x^4+730*x^5+366*x^6)/(x-1)/(x+1)/(x^2+1)/(366*x^3+365*x^2+365*x+365)$  lgdogf  
A011763 7.86338  $[{-a(n+4)+a(n), a(0) = 365, a(1) = 365, a(2) = 365, a(3) = 366}],$  ogf]  
A011765 19.3591  $[-x^3/(x-1)/(x+1)/(x^2+1)$  ogf]  
A011765 32.9486  $[[x^3]$  ogf\_with\_Euler\_transform]  
A011765 33.5304  $-4*x^3/(x^2+1)/(x-1)/(x+1)$  lgdogf  
A011765 6.60488  $[{a(n+4)-a(n), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1}],$  ogf]  
A011769 7.04072  $[-(3*x^5-3*x^4-9*x^3+3*x^2+3*x-1)/(3*x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A011779 19.8855  $-3*(1+x+3*x^2)/(x-1)/(x^2+x+1)$  lgdogf  
A011779 24.2654  $[[2*x^2+3]$  ogf\_with\_Euler\_transform]  
A011779 3.68142  $[{(-n-4)*a(n+4)+3*a(n+3)+3*a(n+2)+(10+n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 12}],$  ogf]  
A011779 7.18959  $[-1/(x^2+x+1)^2/(x-1)^5$  ogf]  
A011780 8.43536  $[-1/(x-1)^2/(x+1)^2/(2*x-1)^3$  ogf]  
A011781 34.0104  $-1/2*x*(-2+3*x)$  revegf  
A011781 51.0157  $-3/(6*x-1)$  lgdegf  
A011781 7.94852  $[{(-6*n-9)*a(n+1)+a(n+2), a(0) = 1, a(1) = 3}],$  ogf]  
A011782 19.2781  $[(x-1)/(2*x-1)$  ogf]  
A011782 27.9721  $1/2+x-1/2*(4*x^2+1)^{1/2}$  revogf  
A011782 46.6201  $1/(2*x-1)/(x-1)$  lgdogf  
A011782 9.90678  $[{a(n+2)-2*a(n+1), a(0) = 1, a(1) = 1}],$  ogf]  
A011783 4.31291  $[-(2*x-1)/(x^2-3*x+1)$  ogf]  
A011783 5.38209  $-(1-2*x+2*x^2)/(2*x-1)/(x^2-3*x+1)$  lgdogf  
A011791 8.23387  $x/(1+2*x+4*x^2+3*x^3+x^4)$  revogf  
A011795 15.0254  $[-x^5+x^4+x^2+x+3$  ogf\_with\_Euler\_transform]  
A011795 5.30056  $[-x^5*(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^5$  ogf]  
A011795 8.66500  $-(3+2*x+7*x^6-4*x^5+9*x^4+4*x^3+4*x^2)/(x-1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A011797 6.52295  $-(4+4*x+13*x^6+6*x^5-5*x^7+6*x^4+6*x^3+9*x^8+6*x^2)/(x-1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A011800 14.2691  $(-2-x^2+2*x)*f(x)+(2-4*x+2*x^2)*f(x)^2$  lgdegf  
A011819 5.19861  $[-(x^6-7*x^5+19*x^4-25*x^3+23*x^2-9*x+2)/(x-1)^7$  ogf]  
A011819 8.00421  $-(5-8*x+40*x^2-24*x^3+22*x^4-8*x^5+x^6)/(x-1)/(x^6-7*x^5+19*x^4-25*x^3+23*x^2-9*x+2)$  lgdogf  
A011826 16.8088  $-(3+5*x-7*x^2+x^3)/(x-1)/(x^3-5*x^2+5*x-2)$  lgdogf  
A011826 3.88377  $[{(119*n^2+613*n+750)*a(n+1)+(-198*n^2-720*n-396)*a(n+2)+(79*n^2+227*n-30)*a(n+3), a(0) = 2, a(1) = 3, a(2) = 5}],$  ogf]  
A011826 9.58334  $[-(x^3-5*x^2+5*x-2)/(x-1)^4$  ogf]  
A011827 5.15275  $[-(x^6-7*x^5+25*x^4-32*x^3+26*x^2-11*x+2)/(x-1)^7$  ogf]  
A011827 7.80616  $-(3-14*x+34*x^2-28*x^3+40*x^4-8*x^5+x^6)/(x-1)/(x^6-7*x^5+25*x^4-32*x^3+26*x^2-11*x+2)$  lgdogf  
A011842 4.61894  $[x^4*(x^2-x+1)*(x^4-x^3+x^2+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^4$  ogf]  
A011848 14.5321  $[-x^3/(x^2+1)/(x-1)^3$  ogf]  
A011848 28.4408  $[[x^3-x+3]$  ogf\_with\_Euler\_transform]  
A011848 29.4382  $-(3-2*x+5*x^2)/(x-1)/(1+x^2)$  lgdogf  
A011848 4.29187  $[{(n+3)*a(n+1)+(-n-1)*a(n+2)+(n+3)*a(n+3)+(-n-1)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1}],$  ogf]  
A011849 4.37041  $[x^4*(x^2-x+1)*(x^3-x^2+1)/(x^6+x^3+1)/(x-1)^4$  ogf]  
A011849 5.54105  $-(18*x^9-4*x^8-13*x^10+3*x^2+5*x^11-3*x+21*x^6-7*x^5-13*x^7-x^4+3*x^3+3)/(x-1)/(x^2-x+1)/(x^3-x^2+1)/(x^6+x^3+1)$  lgdogf  
A011853 6.32834  $-(5+4*x+x^2+6*x^5-5*x^7+7*x^4+7*x^3+10*x^8+7*x^2)/(x-1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A011858 11.1132  $[-x^3*(x^2+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]

A011858 12.1660  $-(2+4*x+2*x^5+5*x^6+9*x^4+4*x^3+4*x^2)/(x-1)/(x^2+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A011858 23.0326  $[[x^4-x^3+x+2]$  ogf\_with\_Euler\_transform]  
A011860 11.0513  $[-x^4*(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A011860 25.6827  $[x^6-x^3+x+2$  ogf\_with\_Euler\_transform]  
A011860 9.35110  $-(2+4*x+4*x^5+11*x^6+2*x^7+7*x^8+4*x^3+4*x^4+4*x^2)/(x-1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A011861 10.2133  $-(2-2*x+7*x^8-12*x^7+19*x^6-8*x^3+13*x^4-14*x^5+7*x^2)/(x-1)/(x^2+1)/(x^2-x+1)/(x^4+1)$  lgdogf  
A011861 23.6474  $[x^7-x^5+x^2+2$  ogf\_with\_Euler\_transform]  
A011861 7.50721  $[-x^4*(x^2-x+1)/(x^2+1)/(x^4+1)/(x-1)^3$  ogf]  
A011862 11.0134  $[-x^4*(x^4+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3$  ogf]  
A011862 23.4242  $[x^8-x^7+x^3+2$  ogf\_with\_Euler\_transform]  
A011862 7.63208  $-(2+2*x+7*x^12+2*x^11+2*x^10+2*x^9+13*x^8+4*x^7+4*x^6+6*x^3+4*x^4+4*x^5+2*x^2)/(x-1)/(x^2+x+1)/(x^6+x^3+1)/(x^4+1)$  lgdogf  
A011863 16.8694  $-(5+12*x+4*x^3+9*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A011863 29.2462  $[-x^2+x+5$  ogf\_with\_Euler\_transform]  
A011863 9.09106  $[-x*(x^2+x+1)/(x+1)/(x-1)^5$  ogf]  
A011864 15.0010  $[x^10-x^7-x^5+x^3+x^2+x+1$  ogf\_with\_Euler\_transform]  
A011864 7.72889  $[-x^4*(x^2-x+1)*(x^4+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A011865 15.1297  $[x^11-x^9-x^5+x^4+x^2+x+1$  ogf\_with\_Euler\_transform]  
A011865 5.83309  $[-x^4*(x^4-x^3+x^2-x+1)/(x^2+1)/(x^2+x+1)/(x^4-x^2+1)/(x-1)^3$  ogf]  
A011865 6.93540  $-(1+2*x+7*x^12-6*x^11+9*x^10-12*x^9+14*x^8-4*x^7+8*x^6+3*x^4-6*x^5+2*x^2)/(x-1)/(x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  lgdogf  
A011866 10.7710  $[-x^5*(x^2+1)*(x^4-x^2+1)/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A011866 22.2873  $[x^12-x^11+x^5+2$  ogf\_with\_Euler\_transform]  
A011867 12.6887  $-(2+2*x+2*x^2+2*x^3+2*x^4+2*x^5+9*x^6)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A011867 15.5091  $[-x^5/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A011867 35.2318  $[[x^6+2]$  ogf\_with\_Euler\_transform]  
A011868 5.74964  $[-x^5*(x^8-x^6+x^5+x^3-x^2+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^3$  ogf]  
A011870 7.67813  $[-x^5*(x^2-x+1)*(x^8+1)/(x^16+x^15+x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A011871 10.1009  $[-x^5*(x^2-x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3$  ogf]  
A011871 8.65671  $-(1+2*x+9*x^10-8*x^9+11*x^8+2*x^7+2*x^6+2*x^3+2*x^4+2*x^5+2*x^2)/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^3+1)$  lgdogf  
A011871 9.12122  $[(1/x^10+1/x^8+1/x^11+1/x^9+1/x^7+1)*x^11/(x+1)/(x^2-x+1)$  ogf\_with\_Euler\_transform]  
A011872 5.94696  $[-x^5*(x^4-x^3+x^2-x+1)*(x^8+1)/(x^18+x^17+x^16+x^15+x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A011873 13.2208  $[x^19-x^17-x^9+x^8+x^4+x+1$  ogf\_with\_Euler\_transform]  
A011874 5.56549  $[-x^6*(x^12-x^10+x^9+x^3-x^2+1)/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^12-x^11+x^9-x^8+x^6-x^4+x^3-x+1)/(x-1)^3$  ogf]  
A011875 10.0560  $[-x^6*(x^2-x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A011878 4.99938  $[-x^6*(x^4-x^3+x^2-x+1)*(x^4+1)*(x^8-x^4+1)/(x^4+x^3+x^2+x+1)/(x^20+x^15+x^10+x^5+1)/(x-1)^3$  ogf]  
A011879 7.10250  $[-(x^4-x^3+x^2-x+1)*x^6/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A011880 4.72817  $[-x^6*(x^2-x+1)*(x^16-x^13+x^11+x^5-x^3+1)/(x^2+x+1)/(x^6+x^3+1)/(x^18+x^9+1)/(x-1)^3$  ogf]  
A011883 8.51299  $[-x^6*(x^2-x+1)*(x^4-x^2+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-$

$x^7+x^5-x^4+x^3-x+1)/(x-1)^3$  ogf]  
A011886 10.4784  $-2*(3+6*x+3*x^5+4*x^6+12*x^4+11*x^3+9*x^2)/(x-1)/(x+1)/(2*x^3+3*x+1)/(x^2+1)$  lgdogf  
A011886 7.92263  $[x^3*(2*x^3+3*x+1)/(x+1)/(x^2+1)/(x-1)^4$  ogf]  
A011887 5.32838  $[x^3*(2*x^4-x^3+3*x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A011887 6.19732  $-(4+12*x+21*x^6+19*x^5+x^7+23*x^4+20*x^3+8*x^8+12*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(2*x^4-x^3+3*x^2+x+1)$  lgdogf  
A011888 13.3116  $-(6+14*x+5*x^3+11*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A011888 23.6258  $[-x^2+x+6$  ogf\_with\_Euler\_transform]  
A011888 6.14543  $[x*(x^2+x+1)/(x+1)/(x-1)^6$  ogf]  
A011889 5.25564  $[x^4*(x^5+x^4+2*x^2-x+3)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A011890 4.78702  $[x^4*(x^6+2*x^4-x^3+3*x^2-2*x+3)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^4$  ogf]  
A011891 5.37490  $-(-4*x+33*x^6-8*x^5-23*x^7-8*x^4+15*x^3+9*x^9+7*x^8-7*x^{10}-x^2+5*x^{11}+6)/(x-1)/(x^5-x^4+x^3+x^2-2*x+2)/(x^6+x^3+1)$  lgdogf  
A011891 5.39666  $[x^4*(x^5-x^4+x^3+x^2-2*x+2)/(x^6+x^3+1)/(x-1)^4$  ogf]  
A011892 6.50873  $[x^4*(x^3+2)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A011892 7.76041  $-(6+6*x+3*x^6+3*x^5+5*x^7+19*x^4+9*x^3+9*x^2)/(-1+x)/(x^3+2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A011893 4.09250  $[x^4*(x^9+x^6+2*x^5-2*x^4+2*x^3+x^2-x+2)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A011894 5.95642  $[x^4*(x^2-x+2)/(x+1)/(x^2+1)/(x-1)^4$  ogf]  
A011894 9.39997  $-(5+5*x+5*x^5-3*x^4+14*x^3+6*x^2)/(-1+x)/(x+1)/(1+x^2)/(x^2-x+2)$  lgdogf  
A011895 5.71882  $[x^4*(x^{11}-x^{10}+2*x^9+2*x^5+x+1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A011896 6.10877  $-(4+4*x+16*x^6+9*x^5+5*x^{11}+9*x^2+5*x^3+11*x^4-2*x^8+12*x^7-3*x^{10}+14*x^9)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^5-x^4+2*x^3-x^2+x+1)$  lgdogf  
A011896 6.30270  $[x^4*(x^5-x^4+2*x^3-x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A011897 5.79708  $[x^4*(x^3-x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A011897 7.61303  $-(4+4*x-3*x^6+7*x^5+5*x^7+11*x^4+6*x^3+6*x^2)/(x-1)/(x^3-x^2+x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A011900 10.0034  $-(3-12*x-8*x^3+x^4+24*x^2)/(x-1)/(x^2-4*x+1)/(x^2+1-6*x)$  lgdogf  
A011900 11.4625  $[-(x^2-4*x+1)/(x-1)/(x^2-6*x+1)$  ogf]  
A011900 6.18773  $[{-a(n+3)+7*a(n+2)-7*a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 15}$ ], ogf]  
A011903 5.22743  $-(2+4*x-3*x^7+8*x^4+2*x^3+5*x^{11}-3*x^{10}+16*x^8+13*x^6+6*x^5+6*x^2)/(x-1)/(x^5-x^4+2*x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A011903 5.22743  $[x^4*(x^5-x^4+2*x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A011904 4.02677  $[x^4*(x^9-x^8+2*x^6-x^5+x^4-x^3+2*x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A011906 7.06780  $[(3*x^3-33*x^2+23*x-1)/(x-1)/(x^2-34*x+1)/(x^2-6*x+1)$  ogf]  
A011912 6.25650  $[x^5*(x^2-2*x+2)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A011912 8.36463  $-(4+2*x+6*x^6-11*x^5+13*x^4+3*x^3+3*x^2)/(x-1)/(x^2-2*x+2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A011915 5.97893  $[-4*x^4*(x^4+2*x^3+2*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^5$  ogf]  
A011915 7.54915  $-(6+12*x+28*x^5+29*x^4+24*x^3+12*x^6+16*x^7+5*x^8+18*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+2*x^3+2*x+1)$  lgdogf  
A011916 11.2076  $-2*(-22+45*x-12*x^2+x^3)/(x-1)/(x-3)/(x^2-14*x+1)$  lgdogf  
A011916 4.89334  $[{-a(n+3)+15*a(n+2)-15*a(n+1)+a(n), a(0) = 0, a(1) = 3, a(2) = 44}$ ], ogf]  
A011916 9.45493  $[x*(x-3)/(x-1)/(x^2-14*x+1)$  ogf]  
A011917 4.02316  $[-x^4*(3*x^6+5*x^5+x^4+6*x^3+x^2+5*x+3)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^5$  ogf]  
A011918 11.6314  $-2*(38-75*x+x^3)/(x+5)/(x-1)/(x^2-14*x+1)$  lgdogf  
A011918 12.9555  $[-(x+5)/(x-1)/(x^2-14*x+1)$  ogf]  
A011918 6.03859  $[{a(n+3)-15*a(n+2)+15*a(n+1)-a(n), a(0) = 5, a(1) = 76, a(2) = 1065}$ ], ogf]

A011919 3.83060 [  $-x^4*(2*x^8+5*x^7+3*x^5+4*x^4+3*x^3+5*x+2)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^5$  ogf ]  
A011920 4.99683 [  $-12*(11*x^2-44*x+1)/(x-1)/(x^2-14*x+1)/(x^2-194*x+1)$  ogf ]  
A011922 4.23750 [  $\{-a(n+3)+15*a(n+2)-15*a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 33\}$ , ogf ]  
A011922 7.61425 [  $-(3*x^2-12*x+1)/(x-1)/(x^2-14*x+1)$  ogf ]  
A011922 7.80294  $-3*(1-8*x+x^4-8*x^3+46*x^2)/(x-1)/(3*x^2-12*x+1)/(x^2-14*x+1)$  lgdogf  
A011924 3.93716 [  $-x^4*(x^6+4*x^5-x^4+4*x^3-x^2+4*x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^5$  ogf ]  
A011925 4.47266 [  $-x^4*(x^4+4*x^3-2*x^2+4*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^5$  ogf ]  
A011925 5.71985  $-(8+16*x+6*x^6+44*x^5+28*x^7+37*x^4+32*x^3+5*x^8+24*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+4*x^3-2*x^2+4*x+1)$  lgdogf  
A011926 4.34207 [  $-x^4*(x^4+2*x^3-3*x^2+2*x+1)/(x^4+1)/(x-1)^5$  ogf ]  
A011926 6.53697  $-(7+2*x-23*x^6+22*x^5+12*x^7+4*x^4+4*x^3+5*x^8-3*x^2)/(x-1)/(x^4+2*x^3-3*x^2+2*x+1)/(x^4+1)$  lgdogf  
A011928 4.57030 [  $-x^4*(x^8+2*x^7+2*x^6-2*x^5+6*x^4-2*x^3+2*x^2+2*x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^5$  ogf ]  
A011930 5.51857 [  $-x^4*(x^4+2*x^3+2*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^5$  ogf ]  
A011930 6.89821  $-(6+12*x+5*x^8+12*x^6+28*x^5+16*x^7+29*x^4+24*x^3+18*x^2)/(-1+x)/(x^4+x^3+x^2+x+1)/(x^4+2*x^3+2*x+1)$  lgdogf  
A011931 3.84286 [  $-x^4*(x^6+x^5+3*x^4-2*x^3+3*x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^5$  ogf ]  
A011934 10.1379 [  $x*(x^2+4*x+1)/(x+1)/(x-1)^4$  ogf ]  
A011934 17.6047  $-(7+19*x+3*x^3+19*x^2)/(x-1)/(x+1)/(x^2+4*x+1)$  lgdogf  
A011938 5.83046 [  $-2*x^5*(2*x^4-2*x^3+3*x^2-2*x+2)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^5$  ogf ]  
A011940 14.4215 [  $-x^5+x^4+x^2+x+3$  ogf\_with\_Euler\_transform ]  
A011940 5.09232 [  $-4*x^5*(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^5$  ogf ]  
A011940 8.32518  $-(3+2*x+7*x^6-4*x^5+9*x^4+4*x^3+4*x^2)/(x-1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A011943 14.1660  $-(7-2*x+7*x^2)/(7*x-1)/(1-14*x+x^2)$  lgdogf  
A011943 15.9555 [  $-(7*x-1)/(x^2-14*x+1)$  ogf ]  
A011943 8.84282 [  $\{a(n+2)-14*a(n+1)+a(n), a(0) = 1, a(1) = 7\}$ , ogf ]  
A011944 12.2046  $-(-1-7*x+(6*x+1)^{(1/2)}*(8*x+1)^{(1/2)})/x$  revogf  
A011944 12.7494 [  $2*x/(x^2-14*x+1)$  ogf ]  
A011944 21.6354  $-2*(-7+x)/(x^2-14*x+1)$  lgdogf  
A011944 5.90828 [  $\{a(n+2)-14*a(n+1)+a(n), a(0) = 0, a(1) = 2\}$ , ogf ]  
A011945 15.2973  $-(-3-7*x+(2*x+1)^{(1/2)}*(8*x+3)^{(1/2)}*3^{(1/2)})/x$  revogf  
A011945 19.1569 [  $6*x/(x^2-14*x+1)$  ogf ]  
A011945 34.2369  $-2*(x-7)/(x^2+1-14*x)$  lgdogf  
A011945 8.87759 [  $\{a(n+2)-14*a(n+1)+a(n), a(0) = 0, a(1) = 6\}$ , ogf ]  
A011975 6.21391 [  $-(x^8-x^7-x^6+2*x^5+2*x+1)/(x^2+x+1)/(x^2-x+1)/(x+1)^2/(x-1)^3$  ogf ]  
A012000 18.5487  $-(-2*x+(-12*x^2+1)^{(1/2)})*x/(4*x-1)/(4*x+1)$  revogf  
A012000 31.9037  $-2*(8*x-1)/(16*x^2+1-4*x)$  lgdogf  
A012000 5.01916 [  $\{(-n-3)*a(n+3)+(10+4*n)*a(n+2)+(-32-16*n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = -2\}$ , ogf ]  
A012019 11.1632  $(n+3)*a(n+3)+(4+n)*a(n+1), a(0)=1, a(1)=0, a(2)=-3/2$  lgdegf  
A012034 8.58455  $(5+4*n+n^2)*a(n+1)+(5*n+6+n^2)*a(n+3), a(0)=1, a(1)=0, a(2)=-1$  lgdegf  
A012125 31.0171  $-6*(8*x-1)/(16*x^2+1-4*x)$  lgdogf  
A012125 4.90859 [  $\{(n+2)*a(n+3)+(-10-4*n)*a(n+2)+(48+16*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf ]  
A012150 11.1035  $(-n-3)*a(n+3)+(4+n)*a(n+1), a(0)=1, a(1)=0, a(2)=3/2$  lgdegf  
A012244 28.5825  $-(x+1)/(x^2-1+2*x)$  lgdegf  
A012244 34.2991  $\sin(x)+\cos(x)-1$  revegf  
A012244 4.85224 [  $\{(n^2+4*n+4)*a(n+1)+(2*n+5)*a(n+2)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf ]  
A012245 21.7732  $(1+5*x^4+23*x^22)/(1+x+x^5+x^23)$  lgdogf  
A012246 8.63446  $(5+4*n+n^2)*a(n+1)+(-5*n-6-n^2)*a(n+3), a(0)=1, a(1)=0, a(2)=1$



lgdegf  
A012408 11.6937  $1/(1+x^2)*\exp(x)*(\arctan(x)+\arctan(x)*x^2+1)$  lgdegf  
A012493 10.2316  $[x*(x-2)/(x^3-4*x^2+5*x-1)$  ogf]  
A012493 15.5080  $-(-2-2*x+x^2)/(x-1)/(x^3-4*x^2+5*x-1)$  lgdogf  
A012493 5.25406  $[{a(n+3)-5*a(n+2)+4*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 9},$   
ogf]  
A012584 10.2667  $\exp(x)/(x^2+1)*(\operatorname{arcsinh}(x)*x^2+\operatorname{arcsinh}(x)+(x^2+1)^{(1/2)})$  lgdegf  
A012772 13.5628  $-(-3+3*x-3*x^2+x^3)/(x-1)/(x^3-4*x^2+5*x-1)$  lgdogf  
A012772 5.27206  $[{-a(n+3)+5*a(n+2)-4*a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) =$   
12}, ogf]  
A012772 9.76628  $[-(x-1)^2/(x^3-4*x^2+5*x-1)$  ogf]  
A012781 10.7608  $[x*(x-1)/(x^3-4*x^2+5*x-1)$  ogf]  
A012781 13.7234  $-(x-2)*(2*x^2-3*x+2)/(x-1)/(x^3-4*x^2+5*x-1)$  lgdogf  
A012781 5.52580  $[{a(n+3)-5*a(n+2)+4*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 4},$   
ogf]  
A012814 13.7656  $[-x/(x^3-4*x^2+5*x-1)$  ogf]  
A012814 16.8176  $-(x-1)*(3*x-5)/(-4*x^2-1+5*x+x^3)$  lgdogf  
A012814 5.08458  $[{a(n+3)-5*a(n+2)+4*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 5},$   
ogf]  
A012855 10.8032  $[x*(4*x-1)/(x^3-4*x^2+5*x-1)$  ogf]  
A012855 12.3675  $-(-1+8*x-19*x^2+8*x^3)/(-1+4*x)/(x^3-4*x^2+5*x-1)$  lgdogf  
A012855 5.54758  $[{a(n+3)-5*a(n+2)+4*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 1},$   
ogf]  
A012864 10.0030  $[-(2*x^2-4*x+1)/(x^3-4*x^2+5*x-1)$  ogf]  
A012864 10.3013  $-(x-1)*(2*x^3-6*x^2+3*x-1)/(2*x^2-4*x+1)/(x^3-4*x^2+5*x-1)$   
lgdogf  
A012864 5.44809  $[{a(n+3)-5*a(n+2)+4*a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 3},$   
ogf]  
A012866 10.2032  $[x*(3*x-1)/(x^3-4*x^2+5*x-1)$  ogf]  
A012866 11.9177  $-(-2+8*x+6*x^3-15*x^2)/(3*x-1)/(x^3-4*x^2+5*x-1)$  lgdogf  
A012866 5.23949  $[{a(n+3)-5*a(n+2)+4*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 2},$   
ogf]  
A012880 10.5935  $[x*(2*x-1)/(x^3-4*x^2+5*x-1)$  ogf]  
A012880 12.1285  $-(-3+8*x-11*x^2+4*x^3)/(-1+2*x)/(x^3-4*x^2+5*x-1)$  lgdogf  
A012880 5.43991  $[{a(n+3)-5*a(n+2)+4*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 3},$   
ogf]  
A012886 5.30621  $[{a(n+3)-5*a(n+2)+4*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 3},$   
ogf]  
A012886 9.53415  $-(-2+14*x+6*x^3+3*x^4-30*x^2)/(3*x^2+3*x-1)/(x^3-4*x^2+5*x-1)$   
lgdogf  
A012886 9.74254  $[(3*x^2+3*x-1)/(x^3-4*x^2+5*x-1)$  ogf]  
A012899 14.7597  $-(-x+1+(-(x-1)*(x+1))^{(1/2)})/(x-1)/(x+1)$  lgdegf  
A012960 23.8267  $(x+2+x^2)/(1+x)/(1+x^2)$  lgdegf  
A013069 11.5692  $(x^2+1+((1+x^2)*(x+1)^2)^{(1/2)})/(1+x^2)/(x+1)$  lgdegf  
A013084 7.58924  
 $-5152+(2832+768*x^4)*f(x)+(1032-1686*x^4)*f(x)^2+(651*x^4-580)*f(x)^3$  lgdegf  
A013103 12.9949  $-x^2+(-2-2*x^2)*f(x)+(x^4+1+2*x^2)*f(x)^2$  lgdegf  
A013155 32.5943  $(x-2)/(x-1)/(1+x)$  lgdegf  
A013155 4.64165  $[{(n^2+2*n)*a(n+1)-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 2, a(2) =$   
3}, ogf]  
A013161 9.79695  $(-2+22*x+5*x^3-x^2)/(x-1)/(x-2)/(1+x)/(x^3+3*x^2+2*x+2)$  lgdegf  
A013164 11.2493  $x*(x-2)*(x^2+3*x+4)/(x-1)/(1+x)/(x^3+3*x^2+2*x+2)$  lgdegf  
A013166 11.1441  $-x*(x-2)*(x^2+3*x+4)/(x-1)/(x+1)/(x^3+3*x^2+2*x+2)$  lgdegf  
A013170 14.0345  $-x^2+(2-2*x^2)*f(x)+(-x^4-1+2*x^2)*f(x)^2$  lgdegf  
A013174 25.1865  $-2/(x-1)/(1+x)/(1+x^2)$  lgdegf  
A013174 4.22598  $[{(n+4)*a(n+4)-2*a(n+3)-n*a(n), a(0) = 1, a(1) = 2, a(2) = 2,$   
 $a(3) = 4/3},$  egf]  
A013299 3.41993  $[{(4*n^3+28*n^2+63*n+45)*a(n+1)+(-n-2)*a(n+2), a(0) = 1, a(1) =$   
6}, ogf]  
A013309 5.52640  $-a(n+1)+(n+2)*a(n+2)+(-5*n-6-n^2)*a(n+3)+(26*n+24+9*n^2+n^3)*a(n$   
 $+4), a(0)=1, a(1)=2, a(2)=1/2, a(3)=0$  lgdegf

A013326 4.22098 [ $\{a(n+4)-3a(n+3)+3a(n+2)-3a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7\}$ , ogf]  
A013326 7.78414 [ $-(2x^3-x^2+x-1)/(x^4-3x^3+3x^2-3x+1)$  ogf]  
A013326 8.13764 [ $-(2-4x+2x^6-2x^5+2x^3+3x^2)/(2x^3-x^2+x-1)/(x^4-3x^3+3x^2-3x+1)$  lgdogf]  
A013397 14.2331  $-2x+(2-2x^2)*f(x)+(1+x-x^2-x^3)*f(x)^2$  lgdegf  
A013430 13.5052  $x^2+(2-2x^2)*f(x)+(1-2x^2+x^4)*f(x)^2$  lgdegf  
A013459 23.2850  $-x*(x-1)/(x+1)/(1+x^2)$  lgdegf  
A013461 13.1675  $x^2+(2+2x^2)*f(x)+(-1-2x^2-x^4)*f(x)^2$  lgdegf  
A013462 21.1899  $2x^2/(x-1)/(x+1)/(1+x^2)$  lgdegf  
A013462 3.80565 [ $\{(-n-4)*a(n+4)-2a(n+1)+n*a(n), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = -2/3\}$ , egf]  
A013468 5.44100  $a(n+1)+(-n-2)*a(n+2)+(5n+6+n^2)*a(n+3)+(-26n-24-9n^2-n^3)*a(n+4), a(0) = -1, a(1) = -2, a(2) = -1/2, a(3) = 0$  lgdegf  
A013492 11.1363  $(-x^2-1+((1+x^2)*(x+1)^2)^(1/2))/(1+x^2)/(x+1)$  lgdegf  
A013492 3.03248 [ $\{-a(n)*n-a(n+1)*n+(-n-3)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 1/2\}$ , egf]  
A013571 12.1781  $-1/(1+x^2)*\exp(-x)*(arctan(x)+arctan(x)*x^2-1)$  lgdegf  
A013574 13.2100 [ $(2x^2+x+3)/(x^2+1)/(x-1)^2$  ogf]  
A013574 4.51232 [ $\{(-6n-25)*a(n+1)+(6n+19)*a(n+2)+(-6n-25)*a(n+3)+(6n+19)*a(n+4), a(0) = 3, a(1) = 7, a(2) = 10, a(3) = 12\}$ , ogf]  
A013654 11.9628 [ $-2*(3x+1)/(x+1)^2/(x-1)^3$  ogf]  
A013654 22.4941  $-4*(1+2x+3x^2)/(x-1)/(3x+1)/(x+1)$  lgdogf  
A013654 4.12718 [ $\{(-n-4)*a(n+4)+(-5-3n)*a(n+3)+(10+n)*a(n+2)+(15+3n)*a(n+1), a(0) = 2, a(1) = 8, a(2) = 12, a(3) = 24\}$ , ogf]  
A013655 10.5718 [ $\{-a(n+2)+a(n+1)+a(n), a(0) = 3, a(1) = 2\}$ , ogf]  
A013655 19.2642 [ $(x-3)/(x^2+x-1)$  ogf]  
A013655 23.6703  $1/2/(x-1)*(-3-x+(9+2x+5x^2)^(1/2))$  revogf  
A013655 29.3838  $-(-2-6x+x^2)/(x-3)/(x^2+x-1)$  lgdogf  
A013656 14.0276 [ $-x*(11x+7)/(x-1)^3$  ogf]  
A013656 29.7129  $-2*(16+11x)/(11x+7)/(x-1)$  lgdogf  
A013656 7.26429 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 32\}$ , ogf]  
A013698 3.84587 [ $\{(27n^3+270n^2+897n+990)*a(n+1)+(-4n^3-42n^2-140n-144)*a(n+2), a(0) = 1, a(1) = 8\}$ , ogf]  
A013698 5.40976  $-800+5832x+(100+8748x^2-1944x)*f(x)+(-1188x^2+80x+4374x^3)*f(x)^2+(16x^2+729x^4-216x^3)*f(x)^3$  lgdogf  
A013708 10.2830 [ $\{a(n+1)-9a(n), a(0) = 3\}$ , ogf]  
A013708 21.3887 [ $-3/(9x-1)$  ogf]  
A013708 40.2428  $1/3*x/(1+3*x)$  revogf  
A013708 47.5597  $-9/(-1+9*x)$  lgdogf  
A013709 19.4081 [ $-4/(16x-1)$  ogf]  
A013709 35.2515  $1/16*\ln(1+4*x)$  revegf  
A013709 41.1268  $-16/(16x-1)$  lgdogf  
A013709 9.52096 [ $\{a(n+1)-16a(n), a(0) = 4\}$ , ogf]  
A013710 19.0605 [ $-5/(25x-1)$  ogf]  
A013710 34.6244  $1/25*\ln(1+5*x)$  revegf  
A013710 37.2878  $-25/(-1+25*x)$  lgdogf  
A013710 9.35043 [ $\{a(n+1)-25a(n), a(0) = 5\}$ , ogf]  
A013711 10.2702 [ $\{a(n+1)-36a(n), a(0) = 6\}$ , ogf]  
A013711 20.9353 [ $-6/(36x-1)$  ogf]  
A013711 38.1061  $1/36*\ln(1+6*x)$  revegf  
A013711 41.0374  $-36/(-1+36*x)$  lgdogf  
A013712 10.9855 [ $\{a(n+1)-49a(n), a(0) = 7\}$ , ogf]  
A013712 22.3935 [ $-7/(49x-1)$  ogf]  
A013712 40.8142  $1/49*\ln(1+7*x)$  revegf  
A013712 43.9537  $-49/(-1+49*x)$  lgdogf  
A013713 20.3005 [ $-8/(64x-1)$  ogf]  
A013713 36.9468  $1/64*\ln(8*x+1)$  revegf  
A013713 39.7889  $-64/(-1+64*x)$  lgdogf  
A013713 9.95872 [ $\{a(n+1)-64a(n), a(0) = 8\}$ , ogf]

A013714 10.4567 [ $\{a(n+1)-81a(n), a(0) = 9\}$ , ogf]  
A013714 21.3155 [ $-9/(81x-1)$  ogf]  
A013714 38.8319  $1/81 \cdot \ln(1+9x)$  revegf  
A013714 41.8190  $-81/(-1+81x)$  lgdogf  
A013715 15.1757 [ $-10/(100x-1)$  ogf]  
A013715 25.9362  $1/100 \cdot \ln(1+10x)$  revegf  
A013715 27.6653  $-100/(-1+100x)$  lgdogf  
A013715 7.72582 [ $\{a(n+1)-100a(n), a(0) = 10\}$ , ogf]  
A013716 15.1757 [ $-11/(121x-1)$  ogf]  
A013716 25.9362  $1/121 \cdot \ln(1+11x)$  revegf  
A013716 27.6653  $-121/(-1+121x)$  lgdogf  
A013716 7.72582 [ $\{a(n+1)-121a(n), a(0) = 11\}$ , ogf]  
A013717 15.7082 [ $-12/(144x-1)$  ogf]  
A013717 26.8681  $1/144 \cdot \ln(1+12x)$  revegf  
A013717 28.6593  $-144/(-1+144x)$  lgdogf  
A013717 7.99689 [ $\{a(n+1)-144a(n), a(0) = 12\}$ , ogf]  
A013718 16.1519 [ $-13/(169x-1)$  ogf]  
A013718 27.6446  $1/169 \cdot \ln(1+13x)$  revegf  
A013718 29.4876  $-169/(-1+169x)$  lgdogf  
A013718 8.22280 [ $\{a(n+1)-169a(n), a(0) = 13\}$ , ogf]  
A013719 16.5956 [ $-14/(196x-1)$  ogf]  
A013719 28.4212  $1/196 \cdot \ln(1+14x)$  revegf  
A013719 30.3159  $-196/(-1+196x)$  lgdogf  
A013719 8.44869 [ $\{a(n+1)-196a(n), a(0) = 14\}$ , ogf]  
A013720 16.8619 [ $-15/(225x-1)$  ogf]  
A013720 28.8871  $1/225 \cdot \ln(1+15x)$  revegf  
A013720 30.8129  $-225/(-1+225x)$  lgdogf  
A013720 8.58424 [ $\{a(n+1)-225a(n), a(0) = 15\}$ , ogf]  
A013721 17.3056 [ $-16/(256x-1)$  ogf]  
A013721 29.6636  $1/256 \cdot \ln(1+16x)$  revegf  
A013721 31.6412  $-256/(-1+256x)$  lgdogf  
A013721 8.81013 [ $\{a(n+1)-256a(n), a(0) = 16\}$ , ogf]  
A013722 14.3874 [ $-17/(289x-1)$  ogf]  
A013722 24.5785  $1/289 \cdot \ln(1+17x)$  revegf  
A013722 26.2170  $-289/(-1+289x)$  lgdogf  
A013722 7.32449 [ $\{a(n+1)-289a(n), a(0) = 17\}$ , ogf]  
A013723 14.6443 [ $-18/(324x-1)$  ogf]  
A013723 25.0281  $1/324 \cdot \ln(1+18x)$  revegf  
A013723 26.6966  $-324/(-1+324x)$  lgdogf  
A013723 7.45529 [ $\{a(n+1)-324a(n), a(0) = 18\}$ , ogf]  
A013724 14.9012 [ $-19/(361x-1)$  ogf]  
A013724 25.4777  $1/361 \cdot \ln(1+19x)$  revegf  
A013724 27.1762  $-361/(-1+361x)$  lgdogf  
A013724 7.58609 [ $\{a(n+1)-361a(n), a(0) = 19\}$ , ogf]  
A013725 15.1581 [ $-20/(400x-1)$  ogf]  
A013725 25.9273  $1/400 \cdot \ln(1+20x)$  revegf  
A013725 27.6558  $-400/(-1+400x)$  lgdogf  
A013725 7.71687 [ $\{a(n+1)-400a(n), a(0) = 20\}$ , ogf]  
A013726 15.3294 [ $-21/(441x-1)$  ogf]  
A013726 26.2270  $1/441 \cdot \ln(1+21x)$  revegf  
A013726 27.9755  $-441/(-1+441x)$  lgdogf  
A013726 7.80407 [ $\{a(n+1)-441a(n), a(0) = 21\}$ , ogf]  
A013727 15.6720 [ $-22/(484x-1)$  ogf]  
A013727 26.8265  $1/484 \cdot \ln(1+22x)$  revegf  
A013727 28.6149  $-484/(-1+484x)$  lgdogf  
A013727 7.97847 [ $\{a(n+1)-484a(n), a(0) = 22\}$ , ogf]  
A013728 15.7576 [ $-23/(529x-1)$  ogf]  
A013728 26.9764  $1/529 \cdot \ln(1+23x)$  revegf  
A013728 28.7748  $-529/(-1+529x)$  lgdogf  
A013728 8.02207 [ $\{a(n+1)-529a(n), a(0) = 23\}$ , ogf]  
A013729 15.9289 [ $-24/(576x-1)$  ogf]

A013729 27.2761  $1/576 \cdot \ln(1+24 \cdot x)$  revegf  
A013729 29.0945  $-576/(-1+576 \cdot x)$  lgdogf  
A013729 8.10925  $[ \{a(n+1)-576 \cdot a(n), a(0) = 24\}, \text{ogf} ]$   
A013730 12.1558  $[ \{a(n+1)-8 \cdot a(n), a(0) = 2\}, \text{ogf} ]$   
A013730 25.2840  $[ -2/(8 \cdot x-1) \text{ogf} ]$   
A013730 47.7012  $1/2 \cdot x/(1+4 \cdot x)$  revogf  
A013730 56.3742  $-8/(-1+8 \cdot x)$  lgdogf  
A013731 12.5014  $[ \{a(n+1)-8 \cdot a(n), a(0) = 4\}, \text{ogf} ]$   
A013731 26.0029  $[ -4/(8 \cdot x-1) \text{ogf} ]$   
A013731 49.0839  $1/4 \cdot x/(2 \cdot x+1)$  revogf  
A013731 58.0082  $-8/(-1+8 \cdot x)$  lgdogf  
A013732 10.7765  $[ \{a(n+1)-27 \cdot a(n), a(0) = 3\}, \text{ogf} ]$   
A013732 21.9675  $[ -3/(27 \cdot x-1) \text{ogf} ]$   
A013732 40.0045  $1/27 \cdot \ln(1+9 \cdot x)$  revegf  
A013732 43.0818  $-27/(-1+27 \cdot x)$  lgdogf  
A013733 11.1427  $[ \{a(n+1)-27 \cdot a(n), a(0) = 9\}, \text{ogf} ]$   
A013733 22.7139  $[ -9/(27 \cdot x-1) \text{ogf} ]$   
A013733 41.3908  $1/27 \cdot \ln(1+3 \cdot x)$  revegf  
A013734 20.0975  $[ -4/(64 \cdot x-1) \text{ogf} ]$   
A013734 34.1318  $1/64 \cdot \ln(1+16 \cdot x)$  revegf  
A013734 39.3829  $-64/(-1+64 \cdot x)$  lgdogf  
A013734 9.85913  $[ \{a(n+1)-64 \cdot a(n), a(0) = 4\}, \text{ogf} ]$   
A013735 10.0675  $[ \{a(n+1)-64 \cdot a(n), a(0) = 16\}, \text{ogf} ]$   
A013735 20.1350  $[ -16/(64 \cdot x-1) \text{ogf} ]$   
A013735 38.0779  $1/16 \cdot x/(1+4 \cdot x)$  revogf  
A013735 41.0069  $-64/(-1+64 \cdot x)$  lgdogf  
A013736 18.4296  $[ -5/(125 \cdot x-1) \text{ogf} ]$   
A013736 30.4588  $1/125 \cdot \ln(1+25 \cdot x)$  revegf  
A013736 32.4894  $-125/(-1+125 \cdot x)$  lgdogf  
A013736 9.21481  $[ \{a(n+1)-125 \cdot a(n), a(0) = 5\}, \text{ogf} ]$   
A013737 18.6875  $[ -25/(125 \cdot x-1) \text{ogf} ]$   
A013737 34.1993  $-125/(-1+125 \cdot x)$  lgdogf  
A013737 34.1993  $1/125 \cdot \ln(1+5 \cdot x)$  revegf  
A013737 9.51364  $[ \{a(n+1)-125 \cdot a(n), a(0) = 25\}, \text{ogf} ]$   
A013738 17.0262  $[ -6/(216 \cdot x-1) \text{ogf} ]$   
A013738 28.1105  $1/216 \cdot \ln(1+36 \cdot x)$  revegf  
A013738 29.9846  $-216/(-1+216 \cdot x)$  lgdogf  
A013738 8.51311  $[ \{a(n+1)-216 \cdot a(n), a(0) = 6\}, \text{ogf} ]$   
A013739 17.1281  $[ -36/(216 \cdot x-1) \text{ogf} ]$   
A013739 31.3099  $-216/(-1+216 \cdot x)$  lgdogf  
A013739 31.3099  $1/216 \cdot \ln(1+6 \cdot x)$  revegf  
A013739 8.71978  $[ \{a(n+1)-216 \cdot a(n), a(0) = 36\}, \text{ogf} ]$   
A013740 18.2227  $[ -7/(343 \cdot x-1) \text{ogf} ]$   
A013740 30.1295  $1/343 \cdot \ln(1+49 \cdot x)$  revegf  
A013740 32.1382  $-343/(-1+343 \cdot x)$  lgdogf  
A013740 9.11133  $[ \{a(n+1)-343 \cdot a(n), a(0) = 7\}, \text{ogf} ]$   
A013741 18.4593  $[ -49/(343 \cdot x-1) \text{ogf} ]$   
A013741 33.7948  $-343/(-1+343 \cdot x)$  lgdogf  
A013741 33.7948  $1/343 \cdot \ln(1+7 \cdot x)$  revegf  
A013741 9.39747  $[ \{a(n+1)-343 \cdot a(n), a(0) = 49\}, \text{ogf} ]$   
A013742 19.3271  $[ -8/(512 \cdot x-1) \text{ogf} ]$   
A013742 31.9932  $1/512 \cdot \ln(1+64 \cdot x)$  revegf  
A013742 34.1261  $-512/(-1+512 \cdot x)$  lgdogf  
A013742 9.66354  $[ \{a(n+1)-512 \cdot a(n), a(0) = 8\}, \text{ogf} ]$   
A013743 19.6130  $[ -64/(512 \cdot x-1) \text{ogf} ]$   
A013743 35.9484  $-512/(-1+512 \cdot x)$  lgdogf  
A013743 35.9484  $1/512 \cdot \ln(8 \cdot x+1)$  revegf  
A013743 9.98482  $[ \{a(n+1)-512 \cdot a(n), a(0) = 64\}, \text{ogf} ]$   
A013744 16.5189  $[ -9/(729 \cdot x-1) \text{ogf} ]$   
A013744 27.2761  $1/729 \cdot \ln(1+81 \cdot x)$  revegf  
A013744 29.0945  $-729/(-1+729 \cdot x)$  lgdogf

A013744 8.25943 [ $\{a(n+1)-729*a(n), a(0) = 9\}$ , ogf]  
A013745 16.8709 [ $-81/(729*x-1)$  ogf]  
A013745 30.8530  $-729/(-1+729*x)$  lgdogf  
A013745 30.8530  $1/729*\ln(1+9*x)$  revegf  
A013745 8.58884 [ $\{a(n+1)-729*a(n), a(0) = 81\}$ , ogf]  
A013746 20.9792  $1/1000*\ln(1+100*x)$  revegf  
A013746 22.2132  $-1000/(-1+1000*x)$  lgdogf  
A013747 23.5677  $-1000/(-1+1000*x)$  lgdogf  
A013747 23.5677  $1/1000*\ln(1+10*x)$  revegf  
A013748 16.8680 [ $-11/(1331*x-1)$  ogf]  
A013748 26.6433  $1/1331*\ln(1+121*x)$  revegf  
A013748 28.2106  $-1331/(-1+1331*x)$  lgdogf  
A013748 8.73521 [ $\{a(n+1)-1331*a(n), a(0) = 11\}$ , ogf]  
A013749 17.1849 [ $-121/(1331*x-1)$  ogf]  
A013749 29.7622  $-1331/(-1+1331*x)$  lgdogf  
A013749 29.7622  $1/1331*\ln(1+11*x)$  revegf  
A013749 9.04470 [ $\{a(n+1)-1331*a(n), a(0) = 121\}$ , ogf]  
A013750 21.8746  $1/1728*\ln(1+144*x)$  revegf  
A013750 23.1613  $-1728/(-1+1728*x)$  lgdogf  
A013751 19.2580  $-1728/(-1+1728*x)$  lgdogf  
A013751 19.2580  $1/1728*\ln(1+12*x)$  revegf  
A013752 17.4557  $1/2197*\ln(1+169*x)$  revegf  
A013752 18.4825  $-2197/(-1+2197*x)$  lgdogf  
A013753 11.6398 [ $\{a(n+1)-2197*a(n), a(0) = 169\}$ , ogf]  
A013753 22.1157 [ $-169/(2197*x-1)$  ogf]  
A013753 38.4430  $-2197/(-1+2197*x)$  lgdogf  
A013753 38.4430  $1/2197*\ln(1+13*x)$  revegf  
A013754 11.6258 [ $\{a(n+1)-2744*a(n), a(0) = 14\}$ , ogf]  
A013754 22.4499 [ $-14/(2744*x-1)$  ogf]  
A013754 35.6170  $1/2744*\ln(1+196*x)$  revegf  
A013754 37.7122  $-2744/(-1+2744*x)$  lgdogf  
A013755 18.7036 [ $-196/(2744*x-1)$  ogf]  
A013755 32.4422  $-2744/(-1+2744*x)$  lgdogf  
A013755 32.4422  $1/2744*\ln(1+14*x)$  revegf  
A013755 9.84402 [ $\{a(n+1)-2744*a(n), a(0) = 196\}$ , ogf]  
A013756 18.6871 [ $-15/(3375*x-1)$  ogf]  
A013756 29.5741  $1/3375*\ln(1+225*x)$  revegf  
A013756 31.3138  $-3375/(-1+3375*x)$  lgdogf  
A013756 9.67723 [ $\{a(n+1)-3375*a(n), a(0) = 15\}$ , ogf]  
A013757 26.5475  $-3375/(-1+3375*x)$  lgdogf  
A013757 26.5475  $1/3375*\ln(1+15*x)$  revegf  
A013758 24.1772  $1/4096*\ln(1+256*x)$  revegf  
A013758 25.5994  $-4096/(-1+4096*x)$  lgdogf  
A013759 16.1462  $-4096/(-1+4096*x)$  lgdogf  
A013759 16.1462  $1/4096*\ln(1+16*x)$  revegf  
A013760 14.3250  $1/4913*\ln(1+289*x)$  revegf  
A013760 15.1677  $-4913/(-1+4913*x)$  lgdogf  
A013761 27.6311  $-4913/(-1+4913*x)$  lgdogf  
A013761 27.6311  $1/4913*\ln(1+17*x)$  revegf  
A013762 19.5308  $1/5832*\ln(1+324*x)$  revegf  
A013762 20.6797  $-5832/(-1+5832*x)$  lgdogf  
A013763 22.1014  $-5832/(-1+5832*x)$  lgdogf  
A013763 22.1014  $1/5832*\ln(1+18*x)$  revegf  
A013764 19.7750  $1/6859*\ln(1+361*x)$  revegf  
A013764 20.9382  $-6859/(-1+6859*x)$  lgdogf  
A013765 22.4892  $-6859/(-1+6859*x)$  lgdogf  
A013765 22.4892  $1/6859*\ln(1+19*x)$  revegf  
A013766 25.9681  $1/8000*\ln(1+400*x)$  revegf  
A013766 27.4956  $-8000/(-1+8000*x)$  lgdogf  
A013767 29.2564  $-8000/(-1+8000*x)$  lgdogf  
A013767 29.2564  $1/8000*\ln(1+20*x)$  revegf

A013768 26.7356  $1/9261*\ln(1+441*x)$  revegf  
A013768 28.3083  $-9261/(-1+9261*x)$  lgdogf  
A013769 29.6628  $-9261/(-1+9261*x)$  lgdogf  
A013769 29.6628  $1/9261*\ln(1+21*x)$  revegf  
A013770 25.3285  $-10648/(-1+10648*x)$  lgdogf  
A013770 25.3285  $1/10648*\ln(1+484*x)$  revegf  
A013771 26.5404  $-10648/(-1+10648*x)$  lgdogf  
A013771 28.0148  $1/10648*\ln(1+22*x)$  revegf  
A013772 25.5709  $-12167/(-1+12167*x)$  lgdogf  
A013772 25.5709  $1/12167*\ln(1+529*x)$  revegf  
A013773 21.2783  $-12167/(-1+12167*x)$  lgdogf  
A013773 22.4605  $1/12167*\ln(1+23*x)$  revegf  
A013774 20.1219  $-13824/(-1+13824*x)$  lgdogf  
A013774 20.1219  $1/13824*\ln(1+576*x)$  revegf  
A013775 16.3072  $-13824/(-1+13824*x)$  lgdogf  
A013775 17.2131  $1/13824*\ln(1+24*x)$  revegf  
A013776 18.7683  $[-2/(16*x-1)$  ogf]  
A013776 34.0632  $1/16*\ln(8*x+1)$  revegf  
A013776 36.6835  $-16/(-1+16*x)$  lgdogf  
A013776 9.20709  $[{a(n+1)-16*a(n), a(0) = 2},$  ogf]  
A013777 19.7280  $[-8/(16*x-1)$  ogf]  
A013777 35.8456  $1/16*\ln(1+2*x)$  revegf  
A013777 41.8199  $-16/(16*x-1)$  lgdogf  
A013777 9.67791  $[{a(n+1)-16*a(n), a(0) = 8},$  ogf]  
A013778 10.2077  $[{a(n+1)-81*a(n), a(0) = 3},$  ogf]  
A013778 20.8080  $[-3/(81*x-1)$  ogf]  
A013778 35.3634  $1/81*\ln(1+27*x)$  revegf  
A013778 40.8039  $-81/(-1+81*x)$  lgdogf  
A013779 18.0496  $[-27/(81*x-1)$  ogf]  
A013779 34.0772  $1/27*x/(1+3*x)$  revogf  
A013779 36.6985  $-81/(-1+81*x)$  lgdogf  
A013779 9.02481  $[{a(n+1)-81*a(n), a(0) = 27},$  ogf]  
A013780 17.3023  $[-4/(256*x-1)$  ogf]  
A013780 28.5765  $1/256*\ln(1+64*x)$  revegf  
A013780 30.4816  $-256/(-1+256*x)$  lgdogf  
A013780 8.65117  $[{a(n+1)-256*a(n), a(0) = 4},$  ogf]  
A013781 17.9269  $[-64/(256*x-1)$  ogf]  
A013781 32.8008  $-256/(-1+256*x)$  lgdogf  
A013781 32.8008  $1/256*\ln(1+4*x)$  revegf  
A013781 9.12640  $[{a(n+1)-256*a(n), a(0) = 64},$  ogf]  
A013782 16.0748  $[-5/(625*x-1)$  ogf]  
A013782 24.9664  $1/625*\ln(1+125*x)$  revegf  
A013782 8.03741  $[{a(n+1)-625*a(n), a(0) = 5},$  ogf]  
A013783 16.2892  $[-125/(625*x-1)$  ogf]  
A013783 30.8530  $-625/(-1+625*x)$  lgdogf  
A013783 30.8530  $1/125*x/(1+5*x)$  revogf  
A013783 8.43546  $[{a(n+1)-625*a(n), a(0) = 125},$  ogf]  
A013784 17.0422  $[-6/(1296*x-1)$  ogf]  
A013784 25.9773  $1/1296*\ln(1+216*x)$  revegf  
A013784 27.5053  $-1296/(-1+1296*x)$  lgdogf  
A013784 8.67604  $[{a(n+1)-1296*a(n), a(0) = 6},$  ogf]  
A013785 17.3448  $[-216/(1296*x-1)$  ogf]  
A013785 30.0443  $-1296/(-1+1296*x)$  lgdogf  
A013785 31.9220  $1/1296*\ln(1+6*x)$  revegf  
A013785 9.12884  $[{a(n+1)-1296*a(n), a(0) = 216},$  ogf]  
A013786 18.3268  $[-7/(2401*x-1)$  ogf]  
A013786 27.9755  $1/2401*\ln(1+343*x)$  revegf  
A013786 29.6211  $-2401/(-1+2401*x)$  lgdogf  
A013786 9.33002  $[{a(n+1)-2401*a(n), a(0) = 7},$  ogf]  
A013787 18.6237  $[-343/(2401*x-1)$  ogf]  
A013787 32.3011  $-2401/(-1+2401*x)$  lgdogf

A013787 34.3199  $1/2401*\ln(1+7*x)$  revegf  
A013787 9.80195  $[{a(n+1)-2401*a(n), a(0) = 343}], ogf]$   
A013788 19.5258  $[-8/(4096*x-1)] ogf]$   
A013788 29.8405  $1/4096*\ln(1+512*x)$  revegf  
A013788 31.5959  $-4096/(-1+4096*x)$  lgdogf  
A013788 9.94038  $[{a(n+1)-4096*a(n), a(0) = 8}], ogf]$   
A013789 27.4956  $-4096/(-1+4096*x)$  lgdogf  
A013789 29.2141  $1/4096*\ln(8*x+1)$  revegf  
A013790 24.9447  $1/6561*\ln(1+729*x)$  revegf  
A013790 26.4121  $-6561/(-1+6561*x)$  lgdogf  
A013791 28.9855  $-6561/(-1+6561*x)$  lgdogf  
A013791 30.7971  $1/6561*\ln(1+9*x)$  revegf  
A013792 24.0621  $1/10000*\ln(1+1000*x)$  revegf  
A013792 25.3285  $-10000/(-1+10000*x)$  lgdogf  
A013793 21.7409  $-10000/(-1+10000*x)$  lgdogf  
A013793 22.9487  $1/10000*\ln(1+10*x)$  revegf  
A013794 24.5226  $1/14641*\ln(1+1331*x)$  revegf  
A013794 25.8132  $-14641/(-1+14641*x)$  lgdogf  
A013795 22.0878  $-14641/(-1+14641*x)$  lgdogf  
A013795 23.3149  $1/14641*\ln(1+11*x)$  revegf  
A013796 25.2134  $1/20736*\ln(1+1728*x)$  revegf  
A013796 26.5404  $-20736/(-1+20736*x)$  lgdogf  
A013797 22.7817  $-20736/(-1+20736*x)$  lgdogf  
A013797 24.0474  $1/20736*\ln(1+12*x)$  revegf  
A013798 20.1046  $1/28561*\ln(1+2197*x)$  revegf  
A013798 21.1627  $-28561/(-1+28561*x)$  lgdogf  
A013799 23.4756  $-28561/(-1+28561*x)$  lgdogf  
A013799 24.7798  $1/28561*\ln(1+13*x)$  revegf  
A013800 20.6539  $1/38416*\ln(1+2744*x)$  revegf  
A013800 21.7409  $-38416/(-1+38416*x)$  lgdogf  
A013801 24.1694  $-38416/(-1+38416*x)$  lgdogf  
A013801 25.5122  $1/38416*\ln(1+14*x)$  revegf  
A013802 21.0933  $1/50625*\ln(1+3375*x)$  revegf  
A013802 22.2035  $-50625/(-1+50625*x)$  lgdogf  
A013803 24.7476  $-50625/(-1+50625*x)$  lgdogf  
A013803 26.1225  $1/50625*\ln(1+15*x)$  revegf  
A013804 21.6426  $1/65536*\ln(1+4096*x)$  revegf  
A013804 22.7817  $-65536/(-1+65536*x)$  lgdogf  
A013805 25.3259  $-65536/(-1+65536*x)$  lgdogf  
A013805 26.7328  $1/65536*\ln(1+16*x)$  revegf  
A013806 21.9722  $1/83521*\ln(1+4913*x)$  revegf  
A013806 23.1286  $-83521/(-1+83521*x)$  lgdogf  
A013807 25.9041  $-83521/(-1+83521*x)$  lgdogf  
A013807 27.3432  $1/83521*\ln(1+17*x)$  revegf  
A013808 21.5537  $-104976/(-1+104976*x)$  lgdogf  
A013808 21.5537  $1/104976*\ln(1+5832*x)$  revegf  
A013809 23.4370  $-104976/(-1+104976*x)$  lgdogf  
A013809 25.9041  $1/104976*\ln(1+18*x)$  revegf  
A013810 21.7629  $-130321/(-1+130321*x)$  lgdogf  
A013810 21.7629  $1/130321*\ln(1+6859*x)$  revegf  
A013811 24.1694  $-130321/(-1+130321*x)$  lgdogf  
A013811 26.7136  $1/130321*\ln(1+19*x)$  revegf  
A013812 22.0768  $-160000/(-1+160000*x)$  lgdogf  
A013812 22.0768  $1/160000*\ln(1+8000*x)$  revegf  
A013813 24.5879  $-160000/(-1+160000*x)$  lgdogf  
A013813 27.1761  $1/160000*\ln(1+20*x)$  revegf  
A013814 22.4953  $-194481/(-1+194481*x)$  lgdogf  
A013814 22.4953  $1/194481*\ln(1+9261*x)$  revegf  
A013815 24.9018  $-194481/(-1+194481*x)$  lgdogf  
A013815 27.5231  $1/194481*\ln(1+21*x)$  revegf  
A013816 21.7725  $1/234256*\ln(1+10648*x)$  revegf

A013816 22.8092  $-234256/(-1+234256*x)$  lgdogf  
A013817 19.2101  $-234256/(-1+234256*x)$  lgdogf  
A013817 21.2322  $1/234256*\ln(1+22*x)$  revegf  
A013818 22.0721  $1/279841*\ln(1+12167*x)$  revegf  
A013818 23.1231  $-279841/(-1+279841*x)$  lgdogf  
A013819 19.4081  $-279841/(-1+279841*x)$  lgdogf  
A013819 21.4511  $1/279841*\ln(1+23*x)$  revegf  
A013820 22.2718  $1/331776*\ln(1+13824*x)$  revegf  
A013820 23.3324  $-331776/(-1+331776*x)$  lgdogf  
A013821 19.7052  $-331776/(-1+331776*x)$  lgdogf  
A013821 21.7794  $1/331776*\ln(1+24*x)$  revegf  
A013822 19.4771  $[-2/(32*x-1)$  ogf]  
A013822 33.0382  $1/32*\ln(1+16*x)$  revegf  
A013822 38.1210  $-32/(-1+32*x)$  lgdogf  
A013822 9.55481  $[{a(n+1)-32*a(n), a(0) = 2},$  ogf]  
A013823 20.2062  $[-4/(32*x-1)$  ogf]  
A013823 36.7521  $1/32*\ln(8*x+1)$  revegf  
A013823 39.5792  $-32/(-1+32*x)$  lgdogf  
A013823 9.91249  $[{a(n+1)-32*a(n), a(0) = 4},$  ogf]  
A013824 20.2062  $[-8/(32*x-1)$  ogf]  
A013824 36.7521  $1/32*\ln(1+4*x)$  revegf  
A013824 39.5792  $-32/(-1+32*x)$  lgdogf  
A013824 9.91249  $[{a(n+1)-32*a(n), a(0) = 8},$  ogf]  
A013825 10.1301  $[{a(n+1)-32*a(n), a(0) = 16},$  ogf]  
A013825 20.2602  $[-16/(32*x-1)$  ogf]  
A013825 38.2996  $1/16*x/(2*x+1)$  revogf  
A013825 41.2457  $-32/(-1+32*x)$  lgdogf  
A013826 16.9342  $[-3/(243*x-1)$  ogf]  
A013826 27.9552  $1/243*\ln(1+81*x)$  revegf  
A013826 29.8189  $-243/(-1+243*x)$  lgdogf  
A013826 8.46709  $[{a(n+1)-243*a(n), a(0) = 3},$  ogf]  
A013827 17.4864  $[-9/(243*x-1)$  ogf]  
A013827 28.8871  $1/243*\ln(1+27*x)$  revegf  
A013827 30.8129  $-243/(-1+243*x)$  lgdogf  
A013827 8.74320  $[{a(n+1)-243*a(n), a(0) = 9},$  ogf]  
A013828 17.3056  $[-27/(243*x-1)$  ogf]  
A013828 31.6412  $-243/(-1+243*x)$  lgdogf  
A013828 31.6412  $1/243*\ln(1+9*x)$  revegf  
A013828 8.81013  $[{a(n+1)-243*a(n), a(0) = 27},$  ogf]  
A013829 17.8381  $[-81/(243*x-1)$  ogf]  
A013829 32.6352  $-243/(-1+243*x)$  lgdogf  
A013829 32.6352  $1/243*\ln(1+3*x)$  revegf  
A013829 9.08122  $[{a(n+1)-243*a(n), a(0) = 81},$  ogf]  
A013830 16.2715  $[-4/(1024*x-1)$  ogf]  
A013830 24.7783  $1/1024*\ln(1+256*x)$  revegf  
A013830 26.2358  $-1024/(-1+1024*x)$  lgdogf  
A013830 8.28365  $[{a(n+1)-1024*a(n), a(0) = 4},$  ogf]  
A013831 16.6199  $[-16/(1024*x-1)$  ogf]  
A013831 27.7874  $-1024/(-1+1024*x)$  lgdogf  
A013831 27.7874  $1/1024*\ln(1+64*x)$  revegf  
A013831 8.60675  $[{a(n+1)-1024*a(n), a(0) = 16},$  ogf]  
A013832 16.6199  $[-64/(1024*x-1)$  ogf]  
A013832 27.7874  $-1024/(-1+1024*x)$  lgdogf  
A013832 27.7874  $1/1024*\ln(1+16*x)$  revegf  
A013832 8.60675  $[{a(n+1)-1024*a(n), a(0) = 64},$  ogf]  
A013833 16.9452  $[-256/(1024*x-1)$  ogf]  
A013833 29.3390  $-1024/(-1+1024*x)$  lgdogf  
A013833 31.1727  $1/1024*\ln(1+4*x)$  revegf  
A013833 8.91851  $[{a(n+1)-1024*a(n), a(0) = 256},$  ogf]  
A013834 18.8406  $[-5/(3125*x-1)$  ogf]  
A013834 28.7748  $1/3125*\ln(1+625*x)$  revegf



A013834 30.4674  $-3125/(-1+3125*x)$  lgdogf  
A013834 9.59160  $[\{a(n+1)-3125*a(n), a(0) = 5\}, ogf]$   
A013835 18.6871  $[-25/(3125*x-1)$  ogf]  
A013835 29.5741  $1/3125*\ln(1+125*x)$  revegf  
A013835 31.3138  $-3125/(-1+3125*x)$  lgdogf  
A013835 9.67723  $[\{a(n+1)-3125*a(n), a(0) = 25\}, ogf]$   
A013836 26.2766  $-3125/(-1+3125*x)$  lgdogf  
A013836 26.2766  $1/3125*\ln(1+25*x)$  revegf  
A013837 26.9538  $-3125/(-1+3125*x)$  lgdogf  
A013837 28.6385  $1/3125*\ln(1+5*x)$  revegf  
A013838 23.8742  $1/7776*\ln(1+1296*x)$  revegf  
A013838 26.6830  $-7776/(-1+7776*x)$  lgdogf  
A013839 26.2239  $1/7776*\ln(1+216*x)$  revegf  
A013839 27.7665  $-7776/(-1+7776*x)$  lgdogf  
A013840 28.8501  $-7776/(-1+7776*x)$  lgdogf  
A013840 28.8501  $1/7776*\ln(1+36*x)$  revegf  
A013841 29.9337  $-7776/(-1+7776*x)$  lgdogf  
A013841 31.8045  $1/1296*x/(6*x+1)$  revogf  
A013842 24.4075  $1/16807*\ln(1+2401*x)$  revegf  
A013842 25.6921  $-16807/(-1+16807*x)$  lgdogf  
A013843 26.7828  $-16807/(-1+16807*x)$  lgdogf  
A013843 26.7828  $1/16807*\ln(1+343*x)$  revegf  
A013844 21.6253  $-16807/(-1+16807*x)$  lgdogf  
A013844 22.8267  $1/16807*\ln(1+49*x)$  revegf  
A013845 22.5504  $-16807/(-1+16807*x)$  lgdogf  
A013845 25.2034  $1/16807*\ln(1+7*x)$  revegf  
A013846 19.9947  $1/32768*\ln(1+4096*x)$  revegf  
A013846 21.0471  $-32768/(-1+32768*x)$  lgdogf  
A013847 21.9722  $-32768/(-1+32768*x)$  lgdogf  
A013847 21.9722  $1/32768*\ln(1+512*x)$  revegf  
A013848 23.0130  $-32768/(-1+32768*x)$  lgdogf  
A013848 24.2915  $1/32768*\ln(1+64*x)$  revegf  
A013849 24.0538  $-32768/(-1+32768*x)$  lgdogf  
A013849 26.8836  $1/32768*\ln(8*x+1)$  revegf  
A013850 21.2032  $1/59049*\ln(1+6561*x)$  revegf  
A013850 22.3191  $-59049/(-1+59049*x)$  lgdogf  
A013851 23.2443  $-59049/(-1+59049*x)$  lgdogf  
A013851 23.2443  $1/59049*\ln(1+729*x)$  revegf  
A013852 24.2851  $-59049/(-1+59049*x)$  lgdogf  
A013852 25.6342  $1/59049*\ln(1+81*x)$  revegf  
A013853 25.2102  $-59049/(-1+59049*x)$  lgdogf  
A013853 28.1761  $1/59049*\ln(1+9*x)$  revegf  
A013854 20.5740  $1/100000*\ln(1+10000*x)$  revegf  
A013854 21.5537  $-100000/(-1+100000*x)$  lgdogf  
A013855 22.4953  $-100000/(-1+100000*x)$  lgdogf  
A013855 22.4953  $1/100000*\ln(1+1000*x)$  revegf  
A013856 23.4370  $-100000/(-1+100000*x)$  lgdogf  
A013856 24.6089  $1/100000*\ln(1+100*x)$  revegf  
A013857 18.5169  $-100000/(-1+100000*x)$  lgdogf  
A013857 20.4661  $1/100000*\ln(1+10*x)$  revegf  
A013858 20.9735  $1/161051*\ln(1+14641*x)$  revegf  
A013858 21.9722  $-161051/(-1+161051*x)$  lgdogf  
A013859 22.9139  $-161051/(-1+161051*x)$  lgdogf  
A013859 22.9139  $1/161051*\ln(1+1331*x)$  revegf  
A013860 23.8555  $-161051/(-1+161051*x)$  lgdogf  
A013860 25.0483  $1/161051*\ln(1+121*x)$  revegf  
A013861 18.8140  $-161051/(-1+161051*x)$  lgdogf  
A013861 20.7944  $1/161051*\ln(1+11*x)$  revegf  
A013862 21.6726  $1/248832*\ln(1+20736*x)$  revegf  
A013862 22.7046  $-248832/(-1+248832*x)$  lgdogf  
A013863 23.6463  $-248832/(-1+248832*x)$  lgdogf

A013863 23.6463  $1/248832*\ln(1+1728*x)$  revegf  
A013864 24.7972  $-248832/(-1+248832*x)$  lgdogf  
A013864 26.0371  $1/248832*\ln(1+144*x)$  revegf  
A013865 19.5071  $-248832/(-1+248832*x)$  lgdogf  
A013865 21.5605  $1/248832*\ln(1+12*x)$  revegf  
A013866 22.2718  $1/371293*\ln(1+28561*x)$  revegf  
A013866 23.3324  $-371293/(-1+371293*x)$  lgdogf  
A013867 24.3787  $1/371293*\ln(1+2197*x)$  revegf  
A013868 19.2101  $-371293/(-1+371293*x)$  lgdogf  
A013868 20.1706  $1/371293*\ln(1+169*x)$  revegf  
A013869 20.1013  $-371293/(-1+371293*x)$  lgdogf  
A013869 22.2172  $1/371293*\ln(1+13*x)$  revegf  
A013870 22.8711  $1/537824*\ln(1+38416*x)$  revegf  
A013870 23.9602  $-537824/(-1+537824*x)$  lgdogf  
A013871 25.1111  $-537824/(-1+537824*x)$  lgdogf  
A013871 25.1111  $1/537824*\ln(1+2744*x)$  revegf  
A013872 19.7052  $-537824/(-1+537824*x)$  lgdogf  
A013872 20.6904  $1/537824*\ln(1+196*x)$  revegf  
A013873 20.5964  $-537824/(-1+537824*x)$  lgdogf  
A013873 22.7644  $1/537824*\ln(1+14*x)$  revegf  
A013874 23.4703  $1/759375*\ln(1+50625*x)$  revegf  
A013874 24.5879  $-759375/(-1+759375*x)$  lgdogf  
A013875 25.6342  $-759375/(-1+759375*x)$  lgdogf  
A013875 25.6342  $1/759375*\ln(1+3375*x)$  revegf  
A013876 20.2003  $-759375/(-1+759375*x)$  lgdogf  
A013876 21.2103  $1/759375*\ln(1+225*x)$  revegf  
A013877 21.0915  $-759375/(-1+759375*x)$  lgdogf  
A013877 23.3116  $1/759375*\ln(1+15*x)$  revegf  
A013878 23.1186  $-1048576/(-1+1048576*x)$  lgdogf  
A013878 23.1186  $1/1048576*\ln(1+65536*x)$  revegf  
A013879 23.9784  $-1048576/(-1+1048576*x)$  lgdogf  
A013879 25.0683  $1/1048576*\ln(1+4096*x)$  revegf  
A013880 18.7150  $-1048576/(-1+1048576*x)$  lgdogf  
A013880 20.4973  $1/1048576*\ln(1+256*x)$  revegf  
A013881 19.4382  $-1048576/(-1+1048576*x)$  lgdogf  
A013881 22.3540  $1/1048576*\ln(1+16*x)$  revegf  
A013882 23.4052  $-1419857/(-1+1419857*x)$  lgdogf  
A013882 23.4052  $1/1419857*\ln(1+83521*x)$  revegf  
A013883 24.4560  $-1419857/(-1+1419857*x)$  lgdogf  
A013883 25.5677  $1/1419857*\ln(1+4913*x)$  revegf  
A013884 19.1670  $-1419857/(-1+1419857*x)$  lgdogf  
A013884 20.9924  $1/1419857*\ln(1+289*x)$  revegf  
A013885 20.0711  $-1419857/(-1+1419857*x)$  lgdogf  
A013885 23.0818  $1/1419857*\ln(1+17*x)$  revegf  
A013886 22.8877  $1/1889568*\ln(1+104976*x)$  revegf  
A013886 23.8828  $-1889568/(-1+1889568*x)$  lgdogf  
A013887 18.7150  $-1889568/(-1+1889568*x)$  lgdogf  
A013887 19.5656  $1/1889568*\ln(1+5832*x)$  revegf  
A013888 19.6191  $-1889568/(-1+1889568*x)$  lgdogf  
A013888 21.4875  $1/1889568*\ln(1+324*x)$  revegf  
A013889 20.5232  $-1889568/(-1+1889568*x)$  lgdogf  
A013889 23.6016  $1/1889568*\ln(1+18*x)$  revegf  
A013890 23.3455  $1/2476099*\ln(1+130321*x)$  revegf  
A013890 24.3605  $-2476099/(-1+2476099*x)$  lgdogf  
A013891 18.9862  $-2476099/(-1+2476099*x)$  lgdogf  
A013891 19.8492  $1/2476099*\ln(1+6859*x)$  revegf  
A013892 19.9807  $-2476099/(-1+2476099*x)$  lgdogf  
A013892 21.8836  $1/2476099*\ln(1+361*x)$  revegf  
A013893 20.8848  $-2476099/(-1+2476099*x)$  lgdogf  
A013893 24.0175  $1/2476099*\ln(1+19*x)$  revegf  
A013894 23.6201  $1/3200000*\ln(1+160000*x)$  revegf

A013894 24.6471  $-3200000/(-1+3200000*x)$  lgdogf  
A013895 19.4382  $-3200000/(-1+3200000*x)$  lgdogf  
A013895 20.3218  $1/3200000*\ln(1+8000*x)$  revegf  
A013896 20.1615  $-3200000/(-1+3200000*x)$  lgdogf  
A013896 22.0817  $1/3200000*\ln(1+400*x)$  revegf  
A013897 21.2465  $-3200000/(-1+3200000*x)$  lgdogf  
A013897 24.4334  $1/3200000*\ln(1+20*x)$  revegf  
A013898 23.9863  $1/4084101*\ln(1+194481*x)$  revegf  
A013898 25.0292  $-4084101/(-1+4084101*x)$  lgdogf  
A013899 19.6191  $-4084101/(-1+4084101*x)$  lgdogf  
A013899 20.5108  $1/4084101*\ln(1+9261*x)$  revegf  
A013900 20.6136  $-4084101/(-1+4084101*x)$  lgdogf  
A013900 22.5768  $1/4084101*\ln(1+441*x)$  revegf  
A013901 21.5177  $-4084101/(-1+4084101*x)$  lgdogf  
A013901 24.7453  $1/4084101*\ln(1+21*x)$  revegf  
A013902 24.4441  $1/5153632*\ln(1+234256*x)$  revegf  
A013902 25.5069  $-5153632/(-1+5153632*x)$  lgdogf  
A013903 19.8903  $-5153632/(-1+5153632*x)$  lgdogf  
A013903 19.8903  $1/5153632*\ln(1+10648*x)$  revegf  
A013904 20.9752  $-5153632/(-1+5153632*x)$  lgdogf  
A013904 22.9729  $1/5153632*\ln(1+484*x)$  revegf  
A013905 21.8793  $-5153632/(-1+5153632*x)$  lgdogf  
A013905 25.1612  $1/5153632*\ln(1+22*x)$  revegf  
A013906 24.7187  $1/6436343*\ln(1+279841*x)$  revegf  
A013906 25.7935  $-6436343/(-1+6436343*x)$  lgdogf  
A013907 20.1615  $-6436343/(-1+6436343*x)$  lgdogf  
A013907 20.1615  $1/6436343*\ln(1+12167*x)$  revegf  
A013908 23.1709  $1/6436343*\ln(1+529*x)$  revegf  
A013909 22.2410  $-6436343/(-1+6436343*x)$  lgdogf  
A013909 25.5771  $1/6436343*\ln(1+23*x)$  revegf  
A013910 13.2971  $1/7962624*\ln(1+331776*x)$  revegf  
A013911 20.5232  $-7962624/(-1+7962624*x)$  lgdogf  
A013911 20.5232  $1/7962624*\ln(1+13824*x)$  revegf  
A013912 21.4273  $-7962624/(-1+7962624*x)$  lgdogf  
A013912 23.4680  $1/7962624*\ln(1+576*x)$  revegf  
A013913 22.5122  $-7962624/(-1+7962624*x)$  lgdogf  
A013913 25.8890  $1/7962624*\ln(1+24*x)$  revegf  
A013915 10.7797  $-(3-x+2*x^5-16*x^2+20*x^3-6*x^4)/(x-1)/(x^2+x-1)/$   
 $(2*x^3-4*x^2+6*x-3)$  lgdogf  
A013915 4.19921 [ {a(n)\*n+a(n+1)+(-2\*n+1)\*a(n+2)+(n-1)\*a(n+3), a(0) = 3, a(1) =  
3, a(2) = 7, a(3) = 10, a(4) = 16}, ogf ]  
A013915 9.70727 [  $(2*x^3-4*x^2+6*x-3)/(x^2+x-1)/(x-1)^2$  ogf ]  
A013945 10.4347  $-(2+22*x+2*x^4+20*x^3+x^6+6*x^5+7*x^2)/(x-1)/(x+1)/(x^5+3*x^4-$   
 $x^3+2*x^2+2*x+3)$  lgdogf  
A013945 9.32349 [  $-(x^5+3*x^4-x^3+2*x^2+2*x+3)/(x-1)^3/(x+1)^3$  ogf ]  
A013950 6.96261 [  $-(x^2+x+1)*(x^6-x^5+x^4-x^2-1)/(x-1)/(x+1)/(x^2+1)/(2*x^3-$   
 $x^2+x-1)$  ogf ]  
A013977 6.60937 [  $(x^7+21*x^6+35*x^5+47*x^4+58*x^3+21*x^2+8*x+1)/(x^2+x+1)^2/$   
 $(x-1)^4$  ogf ]  
A013977 7.19569  $-(10+60*x$   
 $+307*x^6+580*x^5+149*x^7+511*x^4+x^9+402*x^3+44*x^8+240*x^2)/(x-1)/(x^2+x+1)/$   
 $(x^7+21*x^6+35*x^5+47*x^4+58*x^3+21*x^2+8*x+1)$  lgdogf  
A013978 3.93256 [  $(x^8+7*x^7+21*x^6+19*x^5+21*x^4+18*x^3+8*x^2+1)/(x+1)^2/(x^2+x$   
 $+1)^2/(x-1)^4$  ogf ]  
A013979 20.2403 [  $-1/(x+1)/(x^3+x-1)$  ogf ]  
A013979 24.4790  $-x*(2+4*x^2+3*x)/(x+1)/(x^3+x-1)$  lgdogf  
A013979 6.74676 [ {a(n+4)-a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = 1, a(3)  
= 1}, ogf ]  
A013982 12.3066 [  $-1/(x^5+x^4+x^3+x^2-1)$  ogf ]  
A013982 13.7719  $-x*(2+5*x^3+4*x^2+3*x)/(-1+x^2+x^3+x^4+x^5)$  lgdogf  
A013983 10.9595 [  $-1/(x+1)/(x^5+x^3+x-1)$  ogf ]

A013983 12.7887  $-x*(2+6*x^4+5*x^3+4*x^2+3*x)/(x+1)/(x^5+x^3+x-1)$  lgdogf  
A013984 9.72171  $[-1/(x^7+x^6+x^5+x^4+x^3+x^2-1)]$  ogf]  
A013984 9.85838  $-x*(2+7*x^5+6*x^4+5*x^3+4*x^2+3*x)/(-1+x^2+x^3+x^4+x^5+x^6+x^7)$  lgdogf  
A013985 8.70578  $[-1/(x+1)/(x^7+x^5+x^3+x-1)]$  ogf]  
A013985 9.76077  $-x*(2+7*x^5+6*x^4+8*x^6+5*x^3+4*x^2+3*x)/(x+1)/(x^7+x^5+x^3+x-1)$  lgdogf  
A013986 7.56988  $-x*(2+7*x^5+6*x^4+8*x^6+5*x^3+4*x^2+9*x^7+3*x)/(-1+x^8+x^2+x^9+x^3+x^4+x^5+x^6+x^7)$  lgdogf  
A013986 7.89053  $[-1/(x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2-1)]$  ogf]  
A013987 8.83004  $[-1/(x+1)/(x^9+x^7+x^5+x^3+x-1)]$  ogf]  
A013987 9.67362  $-x*(2+7*x^5+6*x^4+8*x^6+5*x^3+4*x^2+10*x^8+9*x^7+3*x)/(x+1)/(x^9+x^7+x^5+x^3+x-1)$  lgdogf  
A013989 19.8581  $(2+4*x+x^3+2*x^2)/(x^2+1+x)$  lgdegf  
A013989 3.45101  $[ \{ (-n^2-7*n-12)*a(n+1)+(-4-n)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 6 \},$  ogf]  
A013991 6.43542  $[(7*x^6-15*x^5+12*x^4-2*x^3-4*x^2+5*x-1)/(x^2-x+1)/(7*x^4-9*x^3+5*x-1)]$  ogf]  
A013999 3.04566  $[ \{ (n+4)*a(n+1)+(-2*n-9)*a(n+2)+(n+7)*a(n+3)-a(n+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 8 \},$  ogf]  
A014010 6.69260  $-(6+2*x+6*x^8-3*x^2-11*x^4+2*x^5+7*x^6)/(x-1)/(2*x^4+x^2-2)/(3*x^4+2*x^3+3*x^2+2*x-1)$  lgdogf  
A014010 9.19580  $[-(2*x^4+x^2-2)/(x-1)/(3*x^4+2*x^3+3*x^2+2*x-1)]$  ogf]  
A014011 6.40756  $[-(x^24-x^20-x^16+x^14-x^8-x^6+x^4+x^2+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3]$  ogf]  
A014016 13.1076  $-(2*x+3*x^2+4*x^3+5*x^4+6*x^5+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A014016 18.9304  $[[x^6-1]$  ogf\_with\_Euler\_transform]  
A014016 7.30155  $[1/(x^6+x^5+x^4+x^3+x^2+x+1)]$  ogf]  
A014017 15.9109  $[1/(x^4+1)]$  ogf]  
A014017 18.4045  $[x^7-x^3]$  ogf\_with\_Euler\_transform]  
A014018 12.1144  $[1/(x^6+x^3+1)]$  ogf]  
A014018 17.8787  $[x^8-x^2]$  ogf\_with\_Euler\_transform]  
A014019 10.4929  $[1/(x^4-x^3+x^2-x+1)]$  ogf]  
A014019 15.5363  $[x^9-x^4-x+1]$  ogf\_with\_Euler\_transform]  
A014020 19.9183  $[x^{10}-1]$  ogf\_with\_Euler\_transform]  
A014020 4.48413  $[1/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)]$  ogf]  
A014021 13.3021  $[1/(x^4-x^2+1)]$  ogf]  
A014021 9.81574  $[x^{11}-x*(x^4+x^2-1)]$  ogf\_with\_Euler\_transform]  
A014022 19.5200  $[x^{12}-1]$  ogf\_with\_Euler\_transform]  
A014023 13.9194  $[x^{13}-x^6-x+1]$  ogf\_with\_Euler\_transform]  
A014023 7.30155  $[1/(x^6-x^5+x^4-x^3+x^2-x+1)]$  ogf]  
A014024 13.6074  $[x^{14}-x^4-x^2+1]$  ogf\_with\_Euler\_transform]  
A014024 8.50074  $[1/(x^8-x^7+x^5-x^4+x^3-x+1)]$  ogf]  
A014025 18.2220  $[1/(x^8+1)]$  ogf]  
A014025 20.2797  $[x^{15}-x^7]$  ogf\_with\_Euler\_transform]  
A014025 66.6292  $-8*x^7/(1+x^8)$  lgdogf  
A014026 18.7232  $[x^{16}-1]$  ogf\_with\_Euler\_transform]  
A014027 12.1144  $[1/(x^6-x^3+1)]$  ogf]  
A014028 18.7232  $[x^{18}-1]$  ogf\_with\_Euler\_transform]  
A014029 11.6470  $[x^{19}-x^9-x^3+x]$  ogf\_with\_Euler\_transform]  
A014029 8.37432  $[1/(x^8-x^6+x^4-x^2+1)]$  ogf]  
A014030 12.4542  $[x^{20}-x^6-x^2+1]$  ogf\_with\_Euler\_transform]  
A014030 6.00761  $[1/(x^{12}-x^{11}+x^9-x^8+x^6-x^4+x^3-x+1)]$  ogf]  
A014031 12.5201  $[x^{21}-x^{10}-x+1]$  ogf\_with\_Euler\_transform]  
A014031 4.48413  $[1/(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)]$  ogf]  
A014032 18.3249  $[x^{22}-1]$  ogf\_with\_Euler\_transform]  
A014033 11.6394  $[1/(x^8-x^4+1)]$  ogf]  
A014033 9.98695  $[x^{23}-x^{11}-x^7+x^3]$  ogf\_with\_Euler\_transform]  
A014034 15.5057  $[x^{24}-x^4]$  ogf\_with\_Euler\_transform]  
A014034 7.21945  $[1/(x^{20}+x^{15}+x^{10}+x^5+1)]$  ogf]

A014095 4.03532 [  $(x^8-3x^7+13x^6-17x^5+44x^4-17x^3+13x^2-3x+1)/(x+1)^4/(x-1)^8$  ogf]  
A014095 5.86829 -  
 $(1+26x-88x^6+362x^5+74x^7-62x^4+238x^3+4x^9-11x^8-32x^2)/(x-1)/(x+1)/(x^8-3x^7+13x^6-17x^5+44x^4-17x^3+13x^2-3x+1)$  lgdogf  
A014097 12.7851 [  $-(4x^3+1)/(x^4+x-1)$  ogf]  
A014097 14.2282  $-(1+4x^6-4x^3+12x^2)/(4x^3+1)/(x^4+x-1)$  lgdogf  
A014097 5.91008 [  $\{-a(n+4)+a(n+3)+a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5\}$ , ogf]  
A014098 12.6356 [  $-(3x^3+1)/(x^4+x-1)$  ogf]  
A014098 14.3926  $-(1+3x^6-2x^3+9x^2)/(3x^3+1)/(x^4+x-1)$  lgdogf  
A014098 5.84096 [  $\{-a(n+4)+a(n+3)+a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 4\}$ , ogf]  
A014101 13.0240 [  $-(2x^3+1)/(x^4+x-1)$  ogf]  
A014101 17.3172  $-(1+6x^2+2x^6)/(2x^3+1)/(x^4+x-1)$  lgdogf  
A014103 21.5146 [  $24/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A014105 13.8470 [  $-x(x+3)/(x-1)^3$  ogf]  
A014105 38.8865  $-2(5+x)/(x+3)/(x-1)$  lgdogf  
A014105 7.04715 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 10\}$ , ogf]  
A014106 13.9146 [  $x(x-5)/(x-1)^3$  ogf]  
A014106 39.0790  $-2(x-7)/(x-1)/(x-5)$  lgdogf  
A014106 7.08153 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 14\}$ , ogf]  
A014107 13.9906 [  $-x(5x-1)/(x-1)^3$  ogf]  
A014107 32.9052  $-2(1+5x)/(5x-1)/(x-1)$  lgdogf  
A014107 7.18439 [  $\{-a(n+3)+3a(n+2)-3a(n+1)+a(n), a(0) = 0, a(1) = -1, a(2) = 2\}$ , ogf]  
A014112 14.6520  $-2(-1-4x+x^4-3x^3-x^2)/(x-1)/(x+1)/(x^3-3x^2+x-1)$  lgdogf  
A014112 9.31512 [  $-(x^3-3x^2+x-1)/(x+1)/(x-1)^4$  ogf]  
A014113 15.9948 [  $-2x/(x+1)/(2x-1)$  ogf]  
A014113 18.1752  $1/4/x*(-x-2+(9x^2+4x+4)^{1/2})$  revogf  
A014113 26.4366  $-(4x+1)/(x+1)/(2x-1)$  lgdogf  
A014113 7.30628 [  $\{-a(n+2)+a(n+1)+2a(n), a(0) = 0, a(1) = 2\}$ , ogf]  
A014125 12.2687 [  $1/(x^2+x+1)/(x-1)^4$  ogf]  
A014125 26.0661  $-3(1+x+2x^2)/(x-1)/(x^2+x+1)$  lgdogf  
A014125 31.7252 [  $[x^2+3]$  ogf\_with\_Euler\_transform]  
A014125 4.83313 [  $\{(-n-4)a(n+4)+3a(n+3)+3a(n+2)+(7+n)a(n+1), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 11\}$ , ogf]  
A014126 11.1956 [  $(x^2+1)/(x+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A014126 12.5268  $-(2+8x+5x^5+13x^3+7x^4+13x^2)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A014126 24.6349 [  $-x^3+x^2+2x+2$  ogf\_with\_Euler\_transform]  
A014130 6.07260 [  $\{(2n^2+15n+25)a(n+1)-a(n+2), a(0) = 1, a(1) = 12\}$ , ogf]  
A014131 12.9586 [  $6x/(x-1)/(2x-1)/(x+1)$  ogf]  
A014131 16.3754  $-2(-1-x+3x^2)/(x-1)/(2x-1)/(x+1)$  lgdogf  
A014131 5.20656 [  $\{-a(n+3)+2a(n+2)+a(n+1)-2a(n), a(0) = 0, a(1) = 6, a(2) = 12\}$ , ogf]  
A014137 5.36110 [  $\{(-4n-10)a(n+1)+(5n+14)a(n+2)+(-n-4)a(n+3), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A014138 3.85839 [  $\{(-4n-10)a(n+1)+(5n+14)a(n+2)+(-n-4)a(n+3), a(0) = 0, a(1) = 1, a(2) = 3\}$ , ogf]  
A014140 11.5247  $3+25x^2-16x+(-1-29x^2+10x+20x^3)*f(x)+(6x^2+4x^4-9x^3-x)*f(x)^2$  lgdogf  
A014140 4.15862 [  $\{(4n+14)a(n+1)+(-9n-33)a(n+2)+(6n+24)a(n+3)+(-n-5)a(n+4), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 16\}$ , ogf]  
A014143 7.90099  $-8-36x^2+32x+(2+38x^2-16x-24x^3)*f(x)+(-6x^2+x+9x^3-4x^4)*f(x)^2$  lgdogf  
A014145 4.12839 [  $\{(-n-4)a(n+1)+(2n+9)a(n+2)+(-n-6)a(n+3)+a(n+4), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 13\}$ , ogf]  
A014151 11.5985  $-4-49x^2+26x+(1+39x^2-12x-28x^3)*f(x)+(-6x^2+x$

$+9*x^3-4*x^4)*f(x)^2 \text{ lgdogf}$   
A014151 3.55046 [ $\{(4*n^2+38*n+90)*a(n+1)+(-9*n^2-79*n-168)*a(n+2)+(6*n^2+50*n+104)*a(n+3)+(-n^2-9*n-20)*a(n+4)\}$ ,  $a(0) = 1$ ,  $a(1) = 4$ ,  $a(2) = 11$ ,  $a(3) = 27$ ], ogf]  
A014153 21.8342 [ $-(-3+2*x)/(-x+1)$  ogf\_with\_Euler\_transform]  
A014160 16.5794 [ $-(-4+3*x)/(-x+1)$  ogf\_with\_Euler\_transform]  
A014161 16.2706 [ $-(-5+4*x)/(-x+1)$  ogf\_with\_Euler\_transform]  
A014162 18.4992 [ $-(4+2*x+5*x^2)/(x-1)/(x^2+x-1)$  lgdogf]  
A014162 9.57013 [ $x/(x^2+x-1)/(x-1)^3$  ogf]  
A014166 19.7177 [ $-(-5+3*x+6*x^2)/(x-1)/(x^2+x-1)$  lgdogf]  
A014166 3.45307 [ $\{(-3-n)*a(n+4)+(9+2*n)*a(n+3)-3*a(n+2)+(-6-n)*a(n+1)\}$ ,  $a(0) = 0$ ,  $a(1) = 1$ ,  $a(2) = 5$ ,  $a(3) = 16$ ], ogf]  
A014166 9.56234 [ $-x/(x^2+x-1)/(x-1)^4$  ogf]  
A014182 21.3260  $a(n)+(n+1)*a(n+1)$ ,  $a(0)=0$ ,  $a(1)=-1$  lgdegf  
A014205 24.5321 [ $-(-7-6*x+3*x^2)/(x-1)/(x^2-2*x-1)$  lgdogf]  
A014205 4.18724 [ $\{(-3-n)*a(n+4)+(5-n)*a(n+3)+(9+3*n)*a(n+2)+(-3-n)*a(n+1)\}$ ,  $a(0) = 0$ ,  $a(1) = 1$ ,  $a(2) = 7$ ,  $a(3) = 24$ ], ogf]  
A014205 9.88794 [ $x*(x^2-2*x-1)/(x-1)^5$  ogf]  
A014206 13.7292 [ $-2*(x^2-x+1)/(x-1)^3$  ogf]  
A014206 25.2503 [ $-x^5+x^2+x+2$  ogf\_with\_Euler\_transform]  
A014206 34.2397 [ $-(2+x^2)/(x-1)/(x^2-x+1)$  lgdogf]  
A014206 7.47750 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n)\}$ ,  $a(0) = 2$ ,  $a(1) = 4$ ,  $a(2) = 8$ ], ogf]  
A014209 10.4165 [ $(3*x^2-6*x+1)/(x-1)^3$  ogf]  
A014209 17.8340 [ $-3*(-1-2*x+x^2)/(x-1)/(3*x^2-6*x+1)$  lgdogf]  
A014209 5.67325 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n)\}$ ,  $a(0) = -1$ ,  $a(1) = 3$ ,  $a(2) = 9$ ], ogf]  
A014217 10.5094 [ $-(-1-2*x-x^2+6*x^3+x^4-2*x^5+x^6)/(x-1)/(x+1)/(x^2+x-1)/(x^3-x^2+1)$  lgdogf]  
A014217 10.8903 [ $(x^3-x^2+1)/(x-1)/(x+1)/(x^2+x-1)$  ogf]  
A014228 4.26896 [ $\{(64*n^3+480*n^2+1136*n+840)*a(n+1)+(-n^3-12*n^2-47*n-60)*a(n+2)\}$ ,  $a(0) = 2$ ,  $a(1) = 10$ ], ogf]  
A014231 4.83695 [ $\{(64*n^3+480*n^2+1136*n+840)*a(n+1)+(-n^3-12*n^2-47*n-60)*a(n+2)\}$ ,  $a(0) = 1$ ,  $a(1) = 5$ ], ogf]  
A014236 12.3468 [ $-(1+4*x+8*x^3-14*x^2)/(x-1)/(2*x-1)/(2*x^2-1)$  lgdogf]  
A014236 5.09645 [ $\{-a(n+3)+2*a(n+2)+2*a(n+1)-4*a(n)\}$ ,  $a(0) = 0$ ,  $a(1) = 2$ ,  $a(2) = 2$ ], ogf]  
A014236 9.92467 [ $-2*x*(x-1)/(2*x-1)/(2*x^2-1)$  ogf]  
A014255 10.9301 [ $-(3*x^2+2*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A014255 17.2044 [ $-(3+13*x+9*x^3+11*x^2)/(x-1)/(x+1)/(3*x^2+2*x+1)$  lgdogf]  
A014283 14.2562 [ $-(7-16*x+20*x^3-5*x^2)/(x-1)/(5*x-3)/(x^2+x-1)$  lgdogf]  
A014283 8.09782 [ $x^2*(5*x-3)/(x^2+x-1)/(x-1)^3$  ogf]  
A014286 10.6173 [ $-x*(x^2+1)/(x-1)/(x^2+x-1)^2$  ogf]  
A014286 15.6000 [ $-(-3-3*x+3*x^4-x^3+6*x^2)/(x-1)/(1+x^2)/(x^2+x-1)$  lgdogf]  
A014288 3.69827 [ $\{(n^2+2*n)*a(n)+(-2*n^2-8*n-6)*a(n+1)+(n^2+7*n+8)*a(n+2)+(-2-n)*a(n+3)\}$ ,  $a(0) = 0$ ,  $a(1) = 1$ ,  $a(2) = 2$ ], ogf]  
A014291 10.2805 [ $(2*x-1)*(x-1)/(x^4+x^2-2*x+1)$  ogf]  
A014291 11.4355 [ $-(x^2-x-1)*(4*x^3-5*x^2+3*x-1)/(x-1)/(2*x-1)/(x^4+x^2-2*x+1)$  lgdogf]  
A014292 11.7663  $a(n+4)-2*a(n+3)+a(n+2)+a(n)$ ,  $a(0)=2$ ,  $a(1)=2$ ,  $a(2)=2$ ,  $a(3)=-2$  lgdogf  
A014292 13.8538 [ $x^2/(x^4+x^2-2*x+1)$  ogf]  
A014297 16.0549  $x/(1+2*x)^{(1/2)}/(1+(1+2*x)^{(1/2)})$  revevfg  
A014297 16.8254 [ $-2/(2*x-1)^3$  egf]  
A014297 48.1646  $-6/(-1+2*x)$  lgdegf  
A014297 7.94007 [ $\{(-2*n-8)*a(n+1)+a(n+2)\}$ ,  $a(0) = 2$ ,  $a(1) = 12$ ], ogf]  
A014298 13.8497  $1/54+2/3*x-1/54*(-(12*x-1)^3)^{(1/2)}$  revevfg  
A014298 4.30933 [ $\{(27*n^2+81*n+60)*a(n+1)+(-2*n-5)*a(n+2)\}$ ,  $a(0) = 1$ ,  $a(1) = 2$ ], ogf]  
A014298 8.54436 [hypergeom([1/3, 2/3],[3/2],27/2\*x), egf]  
A014300 11.8650  $1/8*((9*x^2+2*x+1)^{(1/2)}+3*(9*x^2+2*x+1)^{(1/2)}*x-4*x-7*x^2-1)/x^2$  revogf

A014304 27.1114  $-\ln(2-2*x+x^2)+\ln(2)$  revogf  
A014309 10.2143  $-( -3-12*x+x^4-6*x^3+15*x^2)/(x-1)/(x^4-5*x^3+10*x^2-8*x+1)$  lgdogf  
A014309 6.28133  $[(x^4-5*x^3+10*x^2-8*x+1)/(x-1)^5$  ogf]  
A014318 3.65894  $[{(8*n+20)*a(n+1)+(-6*n-18)*a(n+2)+(n+4)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 8},$  ogf]  
A014330 3.92074  $[{(-32*n^2-128*n-128)*a(n+1)+(12*n^2+76*n+116)*a(n+2)+(-n^2-9*n-20)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 6},$  ogf]  
A014334 12.4463  $[2*x^2/(x-1)/(4*x^2+2*x-1)$  ogf]  
A014334 15.3791  $-( -3-4*x+12*x^2)/(x-1)/(4*x^2+2*x-1)$  lgdogf  
A014334 5.09168  $[{a(n+3)-3*a(n+2)-2*a(n+1)+4*a(n), a(0) = 0, a(1) = 0, a(2) = 2},$  ogf]  
A014335 15.2003  $-( -3-4*x+12*x^2)/(x-1)/(4*x^2+2*x-1)$  lgdogf  
A014335 18.7255  $[x^2/(x-1)/(4*x^2+2*x-1)$  ogf]  
A014335 6.97949  $[{a(n+3)-3*a(n+2)-2*a(n+1)+4*a(n), a(0) = 0, a(1) = 0, a(2) = 1},$  ogf]  
A014336 10.8000  $[-6*x^3/(x^2-3*x+1)/(9*x^2+3*x-1)$  ogf]  
A014337 10.7234  $[-x^3/(x^2-3*x+1)/(9*x^2+3*x-1)$  ogf]  
A014337 11.1049  $-2*(3-x+18*x^3-36*x^2)/(1+x^2-3*x)/(9*x^2+3*x-1)$  lgdogf  
A014340 7.79038  $[-24*x^4/(2*x-1)/(16*x^2+4*x-1)/(x^2+4*x-1)$  ogf]  
A014340 7.90666  $-10*(1-3*x+16*x^4+48*x^3-21*x^2)/(2*x-1)/(16*x^2+4*x-1)/(x^2+4*x-1)$  lgdogf  
A014341 7.65840  $-10*(1-3*x+16*x^4+48*x^3-21*x^2)/(2*x-1)/(16*x^2+4*x-1)/(x^2+4*x-1)$  lgdogf  
A014341 7.65840  $[-x^4/(2*x-1)/(16*x^2+4*x-1)/(x^2+4*x-1)$  ogf]  
A014390 11.2850  $[-(43*x^2+6*x+1)/(x-1)/(x^2+1)$  ogf]  
A014390 11.3819  $-(7+84*x+43*x^4+12*x^3-46*x^2)/(-1+x)/(x^2+1)/(43*x^2+6*x+1)$  lgdogf  
A014390 6.19179  $[{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 7, a(2) = 49},$  ogf]  
A014391 10.5085  $[-(5*x^3-3*x^2+7*x+1)/(x-1)/(x^2+1)$  ogf]  
A014391 11.5985  $-2*(4-4*x+x^4+2*x^3+7*x^2)/(-1+x)/(1+x^2)/(5*x^3-3*x^2+7*x+1)$  lgdogf  
A014391 5.49306  $[{a(n+4)-a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 8, a(2) = 4, a(3) = 2},$  ogf]  
A014392 4.65648  $[-(75*x^11-3*x^10+12*x^9-36*x^8+8*x^7-24*x^6-28*x^5+84*x^4-52*x^3+56*x^2+7*x+1)/(x-1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A014393 6.14151  $[-(89*x^9+21*x^8+69*x^7+41*x^6+49*x^5+61*x^4+29*x^3+81*x^2+9*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A014401 4.20713  $[{(4*n^2+28*n+40)*a(n+1)-a(n+2), a(0) = 48, a(1) = 768},$  ogf]  
A014409 10.2319  $-(8+26*x+39*x^2+16*x^3+22*x^4+6*x^5+3*x^6)/(x-1)/(x+1)/(x^5+x^4+3*x^3+x^2+4*x+2)$  lgdogf  
A014409 6.85755  $[-x*(x^5+x^4+3*x^3+x^2+4*x+2)/(x+1)^3/(x-1)^5$  ogf]  
A014431 18.3102  $1/4*x-1/4+1/4*(-(1+7*x)*(x-1))^(1/2)$  revogf  
A014432 18.4919  $1/6*x-1/6+1/6*(-(11*x+1)*(x-1))^(1/2)$  revogf  
A014432 3.38463  $[{(55*n^2+55*n)*a(n)+(21*n^2+69*n+48)*a(n+1)+(-3*n^2-9*n)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 3},$  ogf]  
A014433 21.4675  $1/8*x-1/8+1/8*(-(1+15*x)*(x-1))^(1/2)$  revogf  
A014433 3.79099  $[{(-105*n^2-105*n)*a(n)+(-29*n^2-95*n-66)*a(n+1)+(5*n^2+17*n+6)*a(n+2)+(n^2+7*n+12)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 4},$  ogf]  
A014434 14.6584  $1/10*x-1/10+1/10*(-(19*x+1)*(x-1))^(1/2)$  revogf  
A014435 15.4423  $1/12*x-1/12+1/12*(-(23*x+1)*(x-1))^(1/2)$  revogf  
A014437 10.6680  $-(x+1)*(x^5-3*x^4+2*x^3+2*x^2+5*x+1)/(x^3-x^2+x+1)/(x^4+4*x^2-1)$  lgdogf  
A014437 10.7171  $[-(x^3-x^2+x+1)/(x^4+4*x^2-1)$  ogf]  
A014445 17.5222  $[-2*x/(x^2+4*x-1)$  ogf]  
A014445 21.2929  $(-1-2*x+(1+4*x+5*x^2)^(1/2))/x$  revogf  
A014445 31.9394  $-2*(x+2)/(x^2-1+4*x)$  lgdogf  
A014445 8.00398  $[{-a(n+2)+4*a(n+1)+a(n), a(0) = 0, a(1) = 2},$  ogf]  
A014447 10.5661  $[(x^3-3*x^2-3*x-1)/(x^4+4*x^2-1)$  ogf]

A014447 9.75452  $-(x+1)*(x^5-7*x^4-6*x^3+2*x^2-11*x-3)/(x^3-3*x^2-3*x-1)/(x^4+4*x^2-1)$  lgdogf  
A014448 13.7265  $[2*(2*x-1)/(x^2+4*x-1)$  ogf]  
A014448 17.7985  $-2*(-1-x+x^2)/(-1+2*x)/(x^2+4*x-1)$  lgdogf  
A014448 20.1717  $(-1-2*x+(1+5*x^2)^{(1/2)})/(x-4)$  revogf  
A014448 7.53283  $[{-a(n+2)+4*a(n+1)+a(n), a(0) = 2, a(1) = 4}]$ , ogf]  
A014455 13.4654  $[{-(-3*x^4+x^3-4)/(x^5+x^4+x+1)}$  ogf\_with\_Euler\_transform]  
A014477 10.8488  $[-(2*x+1)/(2*x-1)^3]$  ogf]  
A014477 23.8734  $-8*(x+1)/(2*x-1)/(2*x+1)$  lgdogf  
A014477 5.13891  $[{a(n+3)-6*a(n+2)+12*a(n+1)-8*a(n), a(0) = 1, a(1) = 8, a(2) = 36}]$ , ogf]  
A014479 21.7213  $-8*(1+x)/(2*x-1)/(1+2*x)$  lgdegf  
A014479 22.6657  $4*x/(1+(1+8*x)^{(1/2)})^2$  revegfg  
A014479 4.67231  $[{-2*n^2-12*n-18}*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 8}]$ , ogf]  
A014479 9.86376  $[-(2*x+1)/(2*x-1)^3]$  egf]  
A014480 15.4896  $[(2*x+1)/(2*x-1)^2]$  ogf]  
A014480 18.4746  $-1/4*(-1-4*x+(1+16*x)^{(1/2)})/(-1+2*x)$  revogf  
A014480 26.2908  $-2*(3+2*x)/(2*x-1)/(2*x+1)$  lgdogf  
A014480 8.50038  $[{-a(n+2)+4*a(n+1)-4*a(n), a(0) = 1, a(1) = 6}]$ , ogf]  
A014481 12.9103  $[(2*x+1)/(2*x-1)^2]$  egf]  
A014481 21.9001  $-2*(3+2*x)/(2*x-1)/(2*x+1)$  lgdegf  
A014481 3.43766  $[{(-2*n^2-8*n-8)*a(n+1)+(-2*n^2-13*n-24)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 40}]$ , ogf]  
A014483 11.4324  $[(2*x+1)/(2*x-1)^4]$  ogf]  
A014483 20.2601  $-2*(5+6*x)/(2*x-1)/(1+2*x)$  lgdogf  
A014483 5.30200  $[{(-n-3)*a(n+3)+10*a(n+2)+(16+4*n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 56}]$ , ogf]  
A014484 18.3417  $-2*(5+6*x)/(2*x-1)/(1+2*x)$  lgdegf  
A014484 2.82067  $[{(-2*n^2-12*n-16)*a(n+1)+(2*n^2+19*n+40)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 10, a(2) = 112}]$ , ogf]  
A014484 7.62462  $[(2*x+1)/(2*x-1)^4]$  egf]  
A014493 12.1831  $-(3+27*x+x^5+5*x^4+36*x^3+24*x^2)/(x-1)/(x+1)/(x^4+2*x^3+10*x^2+2*x+1)$  lgdogf  
A014493 9.23902  $[-(x^4+2*x^3+10*x^2+2*x+1)/(x+1)^2/(x-1)^3]$  ogf]  
A014494 10.0364  $[-2*x*(3*x^2+2*x+3)/(x+1)^2/(x-1)^3]$  ogf]  
A014494 16.6945  $-(5+23*x+9*x^3+11*x^2)/(x-1)/(x+1)/(3*x^2+2*x+3)$  lgdogf  
A014523 10.2244  $[(x^2-3*x+1)/(x^4-7*x^3+9*x^2-7*x+1)]$  ogf]  
A014523 7.75727  $-(-4+16*x+2*x^5-41*x^2+46*x^3-16*x^4)/(x^2-3*x+1)/(x^4-7*x^3+9*x^2-7*x+1)$  lgdogf  
A014524 8.38414  $[x*(x+1)/(x^4-7*x^3+9*x^2-7*x+1)]$  ogf]  
A014524 9.56849  $-(x-4)*(3*x^3+2*x^2-4*x+2)/(x+1)/(x^4-7*x^3+9*x^2-7*x+1)$  lgdogf  
A014528 6.13689  $[-(x^{21}+x^{19}-2*x^{18}+2*x^8-x^7-3*x^2-x-1)/(x^2+x+1)/(x-1)^2]$  ogf]  
A014531 3.52811  $[{(-3*n^2-27*n-60)*a(n+1)+(-2*n^2-19*n-45)*a(n+2)+(n^2+10*n+21)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 10}]$ , ogf]  
A014532 3.70812  $[{(-3*n^2-33*n-90)*a(n+1)+(-2*n^2-23*n-66)*a(n+2)+(n^2+12*n+27)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 15}]$ , ogf]  
A014533 3.48417  $[{(-3*n^2-39*n-126)*a(n+1)+(-2*n^2-27*n-91)*a(n+2)+(n^2+14*n+33)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 21}]$ , ogf]  
A014544 6.44321  $[-(x^{16}-x^{15}+x^{14}-x^{11}+x^{10}+3*x^8-3*x^7+3*x^6-3*x^5+3*x^4+2*x^3-6*x-1)/(x-1)^2]$  ogf]  
A014551 17.5534  $[(x-2)/(x+1)/(2*x-1)]$  ogf]  
A014551 22.1657  $-(-1-8*x+2*x^2)/(x-2)/(2*x-1)/(1+x)$  lgdogf  
A014551 9.63299  $[{-a(n+2)+a(n+1)+2*a(n), a(0) = 2, a(1) = 1}]$ , ogf]  
A014553 7.66082  $(-4-2*x-14*x^{13}+13*x^{14}+6*x^7-9*x^8+8*x^9-6*x^5-2*x^6-2*x^3+3*x^4-2*x^2)/(x-1)/(x^{14}+x^9+x^7+x^6+x^4+x^3+x^2+3*x+1)$  lgdogf  
A014553 9.55427  $[-(x^{14}+x^9+x^7+x^6+x^4+x^3+x^2+3*x+1)/(x-1)]$  ogf]  
A014557 10.8289  $[2*x^6/(x^2+1)/(x+1)^2/(x-1)^4]$  ogf]  
A014557 18.8755  $-2*(1+2*x+x^2+4*x^3)/(x-1)/(x+1)/(x^2+1)$  lgdogf  
A014591 10.6903  $[-(x^5-x^2+1)/(x+1)/(x^2+x+1)/(x-1)^3]$  ogf]



A014591 11.1755  $-(1+4*x^6+2*x^7+2*x+2*x^5+2*x^3+x^8+4*x^2)/(x-1)/(1+x)/(x^2+x+1)/(x^5-x^2+1)$  lgdogf  
A014601 14.4646  $[x*(x+3)/(x+1)/(x-1)^2$  ogf]  
A014601 25.3767  $-2*(2+5*x+x^2)/(x-1)/(x+3)/(x+1)$  lgdogf  
A014601 7.42777  $[{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 4},$  ogf]  
A014606 5.69741  $[{(-9*n^3-45*n^2-74*n-40)*a(n+1)+2*a(n+2), a(0) = 1, a(1) = 1},$  ogf]  
A014608 4.70118  $[{(-32*n^3-144*n^2-214*n-105)*a(n+1)+3*a(n+2), a(0) = 1, a(1) = 1},$  egf]  
A014610 7.60922  $[-(x^3+2*x^2+2*x+3)/(x^4+x^3+x^2+x-1)$  ogf]  
A014610 7.63255  $-(5+10*x+x^6+4*x^5+7*x^4+14*x^3+12*x^2)/(x^3+2*x^2+2*x+3)/(x^4+x^3+x^2+x-1)$  lgdogf  
A014616 14.6184  $[x^2-2)/(x+1)/(x-1)^3$  ogf]  
A014616 21.5038  $-2*(x+2)*(x^2-x-1)/(x-1)/(x+1)/(x^2-2)$  lgdogf  
A014626 21.9863  $-(2-6*x+9*x^2)/(x-1)/(3*x^2-3*x+1)$  lgdogf  
A014626 3.85151  $[{(n+3)*a(n+4)+(-10-4*n)*a(n+3)+(6*n+12)*a(n+2)+(-9-3*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3},$  ogf]  
A014626 9.14153  $[-x*(3*x^2-3*x+1)/(x-1)^5$  ogf]  
A014628 12.9264  $-(8-8*x+x^4-6*x^3+15*x^2)/(x-1)/(x^4-5*x^3+10*x^2-7*x+3)$  lgdogf  
A014628 7.69199  $[-(x^4-5*x^3+10*x^2-7*x+3)/(x-1)^5$  ogf]  
A014629 15.4017  $-(-15+12*x+2*x^3-9*x^2)/(x-1)/(x^3-4*x^2+5*x-4)$  lgdogf  
A014629 8.07465  $[x*(x^3-4*x^2+5*x-4)/(x-1)^5$  ogf]  
A014632 10.4683  $-(5+65*x+7*x^5+23*x^4+120*x^3+68*x^2)/(x-1)/(x+1)/(7*x^4+8*x^3+28*x^2+4*x+1)$  lgdogf  
A014632 8.62573  $[-(7*x^4+8*x^3+28*x^2+4*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A014633 10.8852  $-(11+59*x+37*x^3+35*x^2+2*x^4)/(x-1)/(x+1)/(x^3+12*x^2+5*x+6)$  lgdogf  
A014633 7.33766  $[-2*x*(x^3+12*x^2+5*x+6)/(x+1)^2/(x-1)^3$  ogf]  
A014634 13.1836  $[-(3*x^2+12*x+1)/(x-1)^3$  ogf]  
A014634 22.2847  $-3*(5+10*x+x^2)/(x-1)/(3*x^2+12*x+1)$  lgdogf  
A014634 7.17004  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 15, a(2) = 45},$  ogf]  
A014635 13.8319  $[-2*x*(5*x+3)/(x-1)^3$  ogf]  
A014635 32.9540  $-2*(7+5*x)/(5*x+3)/(x-1)$  lgdogf  
A014635 7.16293  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 28},$  ogf]  
A014637 8.34517  $[-(13*x^4+14*x^3+46*x^2+6*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A014637 9.70482  $-(7+103*x+13*x^5+41*x^4+204*x^3+112*x^2)/(x-1)/(x+1)/(13*x^4+14*x^3+46*x^2+6*x+1)$  lgdogf  
A014640 12.9744  $-(17+95*x+4*x^4+65*x^3+59*x^2)/(x-1)/(x+1)/(2*x^3+21*x^2+8*x+9)$  lgdogf  
A014640 9.00802  $[-2*x*(2*x^3+21*x^2+8*x+9)/(x+1)^2/(x-1)^3$  ogf]  
A014641 13.2855  $[-(5*x^2+18*x+1)/(x-1)^3$  ogf]  
A014641 21.8556  $-(-21+46*x+5*x^2)/(x-1)/(5*x^2+18*x+1)$  lgdogf  
A014641 7.22546  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 21, a(2) = 65},$  ogf]  
A014642 14.3538  $[-8*x*(2*x+1)/(x-1)^3$  ogf]  
A014642 37.3259  $-(5+4*x)/(2*x+1)/(x-1)$  lgdogf  
A014642 7.43323  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 40},$  ogf]  
A014679 22.0408  $[-2*x^5+x^3+3*x^2+x$  ogf\_with\_Euler\_transform]  
A014679 7.51255  $[-(x^2-x+1)^2/(x^2+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A014679 9.87810  $-x*(2+3*x^5-3*x^4+8*x^3+x^2+7*x)/(x-1)/(1+x^2)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A014681 13.2030  $[x*(x^2-x+2)/(x+1)/(x-1)^2$  ogf]  
A014681 22.2487  $-(1+7*x+x^3-x^2)/(x-1)/(1+x)/(x^2-x+2)$  lgdogf  
A014681 6.55112  $[{-a(n+4)+a(n+3)+a(n+2)-a(n+1), a(0) = 0, a(1) = 2, a(2) = 1, a(3) = 4},$  ogf]  
A014682 13.9991  $[x*(x^2+x+2)/(x-1)^2/(x+1)^2$  ogf]  
A014682 19.5629  $-(1+10*x+2*x^3+3*x^2)/(x-1)/(1+x)/(x^2+x+2)$  lgdogf

A014695 16.2507 [  $-(x^2+x+1)/(x-1)/(x^2+1)$  ogf]  
A014695 23.1590  $-(2+x^4+2*x^3+x^2)/(x-1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A014695 29.9774 [  $x^3-x^2-x+2$  ogf\_with\_Euler\_transform]  
A014695 8.85083 [  $\{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 2\}$ , ogf]  
A014696 11.1842  $-(3+22*x+6*x^5+46*x^3+9*x^4+22*x^2)/(x-1)/(x^4+x^3+5*x^2+x+1)$  lgdogf  
A014696 5.65847 [  $(x^4+x^3+5*x^2+x+1)/(x+1)^4/(x-1)^6$  ogf]  
A014717 12.4373 [  $-(x^2+14*x-9)/(x+1)/(x^2-3*x+1)$  ogf]  
A014717 6.82400 [  $\{-a(n+3)+2*a(n+2)+2*a(n+1)-a(n), a(0) = 9, a(1) = 4, a(2) = 25\}$ , ogf]  
A014718 4.13748 [ -  
 $(4*x^9-8*x^8+36*x^7-115*x^6+86*x^5+70*x^4-162*x^3+130*x^2-54*x+9)/(x+1)/(x^2-3*x+1)/(x^2+x-1)^2/(x-1)^3$  ogf]  
A014728 5.82758  $-(1+20*x+28*x^5+204*x^3+x^8+4*x^7+238*x^4+80*x^2)/(x-1)/(1+x^2)/(x^2+4*x+1)/(x^2-4*x-1)/(x^2+4*x-1)$  lgdogf  
A014728 6.47771 [  $-(x^2+4*x+1)*(x-1)^3/(x^2+1)/(x^2+4*x-1)/(x^2-4*x-1)$  ogf]  
A014729 11.6281 [  $-4*x*(x-1)/(x+1)/(x^2-18*x+1)$  ogf]  
A014729 6.01803 [  $\{a(n+3)-17*a(n+2)-17*a(n+1)+a(n), a(0) = 0, a(1) = 4, a(2) = 64\}$ , ogf]  
A014730 8.16834 [  $-(x-1)*(x^4+10*x^3+42*x^2+10*x+1)/(x^2+1)/(x^2+4*x-1)/(x^2-4*x-1)$  ogf]  
A014731 5.53370 [  $\{-a(n+3)+17*a(n+2)+17*a(n+1)-a(n), a(0) = 4, a(1) = 16, a(2) = 324\}$ , ogf]  
A014731 7.46467  $-2*(2+13*x+2*x^4+13*x^3-78*x^2)/(x+1)/(4*x^2+13*x-1)/(x^2-18*x+1)$  lgdogf  
A014731 9.96066 [  $-4*(4*x^2+13*x-1)/(x+1)/(x^2-18*x+1)$  ogf]  
A014736 3.95110 [  $-(x^8+8*x^7+212*x^6+184*x^5+726*x^4+184*x^3+212*x^2+8*x+1)/(x+1)^4/(x-1)^5$  ogf]  
A014738 4.48238 [  $-4*(9*x^6+16*x^5+135*x^4+64*x^3+135*x^2+16*x+9)/(x+1)^4/(x-1)^5$  ogf]  
A014738 5.76725  $-(25+367*x+27*x^7+455*x^2+1549*x^3+599*x^4+745*x^5+73*x^6)/(x-1)/(x+1)/(9*x^6+16*x^5+135*x^4+64*x^3+135*x^2+16*x+9)$  lgdogf  
A014739 15.6228 [  $(x^2+1)/(x-1)/(x^2+x-1)$  ogf]  
A014739 17.4668  $-(-2-2*x+x^4+5*x^2)/(x-1)/(x^2+1)/(x^2+x-1)$  lgdogf  
A014739 8.14378 [  $\{-a(n+3)+2*a(n+2)-a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A014742 13.7838 [  $(x^2+1)/(x+1)/(x^2-3*x+1)$  ogf]  
A014742 17.1572  $-(-2-6*x+x^4+5*x^2)/(x+1)/(1+x^2)/(1+x^2-3*x)$  lgdogf  
A014742 7.01497 [  $\{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
A014743 10.1131 [  $-(x+1)/(x^5+x^4+x^2+x-1)$  ogf]  
A014743 11.1674  $-(2+2*x+4*x^5+8*x^4+4*x^3+x^2)/(x+1)/(x^5+x^4+x^2+x-1)$  lgdogf  
A014769 4.44858 [ -  
 $(49*x^8+176*x^7+2828*x^6+1976*x^5+6294*x^4+1280*x^3+1196*x^2+24*x+1)/(x+1)^4/(x-1)^5$  ogf]  
A014770 3.97089 [  $-4*(x^7+168*x^6+227*x^5+1428*x^4+551*x^3+960*x^2+85*x+36)/(x+1)^4/(x-1)^5$  ogf]  
A014771 7.67796 [  $-(9*x^4+396*x^3+910*x^2+220*x+1)/(x-1)^5$  ogf]  
A014771 8.27734  $-3*(75+900*x+1306*x^2+276*x^3+3*x^4)/(x-1)/(9*x^4+396*x^3+910*x^2+220*x+1)$  lgdogf  
A014772 10.3173  $-2*(98+501*x+336*x^2+25*x^3)/(-1+x)/(25*x^3+199*x^2+151*x+9)$  lgdogf  
A014772 6.72416 [  $-4*(25*x^3+199*x^2+151*x+9)/(x-1)^5$  ogf]  
A014773 4.39481 [ -  
 $(169*x^8+560*x^7+8396*x^6+5648*x^5+17262*x^4+3344*x^3+2972*x^2+48*x+1)/(x+1)^4/(x-1)^5$  ogf]  
A014775 22.4084  $(-2-2*x-x^2)*f(x)-2*f(x)^2$  lgdegf  
A014775 3.23770 [  $\{(-n^2-5*n-6)*a(n+1)+(-2*n-6)*a(n+2)-2*a(n+4)-2*a(n+3), a(0) = 1, a(1) = -1, a(2) = 0, a(3) = 1\}$ , ogf]  
A014787 29.5858 [  $-12/(-x-1)$  ogf\_with\_Euler\_transform]  
A014792 4.47015 [  $-4*x*(4*x^7+525*x^6+680*x^5+4071*x^4+1508*x^3+2523*x^2+208*x+81)/(x+1)^4/(x-1)^5$  ogf]

A014793 6.32641 [  $-(25*x^4+964*x^3+2030*x^2+436*x+1)/(x-1)^5$  ogf]  
A014793 8.18702 [  $-(441+5804*x+25*x^4+2028*x^3+8982*x^2)/(x-1)/(25*x^4+964*x^3+2030*x^2+436*x+1)$  lgdogf]  
A014794 6.32071 [  $-64*x*(4*x^3+29*x^2+20*x+1)/(x-1)^5$  ogf]  
A014795 4.24755 [  $-(x^6+1218*x^5+18671*x^4+42140*x^3+18671*x^2+1218*x+1)/(x-1)^7$  ogf]  
A014799 3.86291 [  $-(81*x^6+21042*x^5+216463*x^4+369404*x^3+124671*x^2+5618*x+1)/(x-1)^7$  ogf]  
A014805 30.3492 [  $-16/(-x-1)$  ogf\_with\_Euler\_transform]  
A014806 29.1555 [  $-20/(-x-1)$  ogf\_with\_Euler\_transform]  
A014809 30.0748 [  $-24/(-x-1)$  ogf\_with\_Euler\_transform]  
A014820 27.6955 [  $[8-3*x]$  ogf\_with\_Euler\_transform]  
A014820 28.6738 [  $-2*(4+x)/(x-1)/(x+1)$  lgdogf]  
A014820 4.34972 [  $\{(-n-3)*a(n+3)+8*a(n+2)+(n+3)*a(n+1), a(0) = 1, a(1) = 8, a(2) = 33\}$ , ogf]  
A014820 6.74956 [  $-(x+1)^3/(x-1)^5$  ogf]  
A014824 16.1913 [  $-x/(10*x-1)/(x-1)^2$  ogf]  
A014824 19.0097 [  $-6*(-2+5*x)/(10*x-1)/(x-1)$  lgdogf]  
A014824 6.19494 [  $\{a(n+3)-12*a(n+2)+21*a(n+1)-10*a(n), a(0) = 0, a(1) = 1, a(2) = 12\}$ , ogf]  
A014825 15.1210 [  $-1/(4*x-1)/(x-1)^2$  ogf]  
A014825 4.95113 [  $\{a(n+3)-6*a(n+2)+9*a(n+1)-4*a(n), a(0) = 1, a(1) = 6, a(2) = 27\}$ , ogf]  
A014827 14.8220 [  $-1/(5*x-1)/(x-1)^2$  ogf]  
A014827 22.9608 [  $-(-7+15*x)/(5*x-1)/(x-1)$  lgdogf]  
A014827 4.94067 [  $\{a(n+3)-7*a(n+2)+11*a(n+1)-5*a(n), a(0) = 1, a(1) = 7, a(2) = 38\}$ , ogf]  
A014829 14.5056 [  $-1/(6*x-1)/(x-1)^2$  ogf]  
A014829 21.5693 [  $-2*(-4+9*x)/(6*x-1)/(x-1)$  lgdogf]  
A014829 4.83521 [  $\{a(n+3)-8*a(n+2)+13*a(n+1)-6*a(n), a(0) = 1, a(1) = 8, a(2) = 51\}$ , ogf]  
A014830 13.7924 [  $-1/(7*x-1)/(x-1)^2$  ogf]  
A014830 20.4933 [  $-3*(-3+7*x)/(7*x-1)/(x-1)$  lgdogf]  
A014830 4.59746 [  $\{a(n+3)-9*a(n+2)+15*a(n+1)-7*a(n), a(0) = 1, a(1) = 9, a(2) = 66\}$ , ogf]  
A014831 17.7207 [  $-1/(8*x-1)/(x-1)^2$  ogf]  
A014831 26.1126 [  $-2*(-5+12*x)/(8*x-1)/(x-1)$  lgdogf]  
A014831 5.95781 [  $\{a(n+3)-10*a(n+2)+17*a(n+1)-8*a(n), a(0) = 1, a(1) = 10, a(2) = 83\}$ , ogf]  
A014832 13.1178 [  $-1/(9*x-1)/(x-1)^2$  ogf]  
A014832 20.0014 [  $-(-11+27*x)/(9*x-1)/(x-1)$  lgdogf]  
A014832 4.37261 [  $\{a(n+3)-11*a(n+2)+19*a(n+1)-9*a(n), a(0) = 1, a(1) = 11, a(2) = 102\}$ , ogf]  
A014833 7.86252 [  $-(x^3-5*x^2+4*x-1)/(2*x-1)/(x-1)^3$  ogf]  
A014833 9.86348 [  $-(1-6*x+2*x^4-16*x^3+16*x^2)/(x-1)/(2*x-1)/(x^3-5*x^2+4*x-1)$  lgdogf]  
A014844 10.8373 [  $-(-2+10*x+12*x^3+2*x^4-19*x^2)/(-1+x)/(2*x-1)/(x^3+2*x^2-3*x+1)$  lgdogf]  
A014844 9.04694 [  $(x^3+2*x^2-3*x+1)/(2*x-1)/(x-1)^3$  ogf]  
A014846 14.9178 [  $-(4*x-1)*(x^2-4*x+2)/(x-1)/(2*x-1)/(x^2-3*x+1)$  lgdogf]  
A014846 9.40023 [  $-x*(x^2-3*x+1)/(2*x-1)/(x-1)^3$  ogf]  
A014848 12.7028 [  $-x*(2*x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A014848 18.0864 [  $-(3+10*x+4*x^3+7*x^2)/(x-1)/(x+1)/(2*x^2+x+1)$  lgdogf]  
A014881 15.6055 [  $-1/(11*x-1)/(x-1)^2$  ogf]  
A014881 23.5555 [  $-(-13+33*x)/(11*x-1)/(x-1)$  lgdogf]  
A014881 5.29001 [  $\{a(n+3)-13*a(n+2)+23*a(n+1)-11*a(n), a(0) = 1, a(1) = 13, a(2) = 146\}$ , ogf]  
A014882 16.1208 [  $-1/(12*x-1)/(x-1)^2$  ogf]  
A014882 23.4465 [  $-2*(-7+18*x)/(12*x-1)/(x-1)$  lgdogf]  
A014882 5.46468 [  $\{a(n+3)-14*a(n+2)+25*a(n+1)-12*a(n), a(0) = 1, a(1) = 14, a(2) = 171\}$ , ogf]

A014888 3.01450 [ (61813\*x^2+x+761729)/(x^2+x+1)/(x-1)^2 ogf]  
A014889 8.75059 [ (3934\*x^6+2101\*x^5+x^4+7\*x^3+x^2+55835\*x+761664)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A014892 5.69573 [ (1731\*x^6+x^5+x^4+x^3+x^2+2153\*x+42768)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A014896 16.4889 [ -1/(13\*x-1)/(x-1)^2 ogf]  
A014896 5.58945 [ {a(n+3)-15\*a(n+2)+27\*a(n+1)-13\*a(n), a(0) = 1, a(1) = 15, a(2) = 198}, ogf]  
A014897 16.8569 [ -1/(14\*x-1)/(x-1)^2 ogf]  
A014897 24.5370 -2\*(-8+21\*x)/(14\*x-1)/(x-1) lgdogf  
A014897 5.71421 [ {a(n+3)-16\*a(n+2)+29\*a(n+1)-14\*a(n), a(0) = 1, a(1) = 16, a(2) = 227}, ogf]  
A014898 13.3869 [ -1/(15\*x-1)/(x-1)^2 ogf]  
A014898 4.53794 [ {a(n+3)-17\*a(n+2)+31\*a(n+1)-15\*a(n), a(0) = 1, a(1) = 17, a(2) = 258}, ogf]  
A014899 14.5214 [ -x/(16\*x-1)/(x-1)^2 ogf]  
A014899 23.3374 -6\*(-3+8\*x)/(-1+16\*x)/(x-1) lgdogf  
A014899 5.55603 [ {a(n+3)-18\*a(n+2)+33\*a(n+1)-16\*a(n), a(0) = 0, a(1) = 1, a(2) = 18}, ogf]  
A014900 15.8248 [ -1/(17\*x-1)/(x-1)^2 ogf]  
A014900 23.9011 -(-19+51\*x)/(17\*x-1)/(x-1) lgdogf  
A014900 5.36433 [ {a(n+3)-19\*a(n+2)+35\*a(n+1)-17\*a(n), a(0) = 1, a(1) = 19, a(2) = 326}, ogf]  
A014901 14.2369 [ -1/(18\*x-1)/(x-1)^2 ogf]  
A014901 19.9337 -2\*(-10+27\*x)/(18\*x-1)/(x-1) lgdogf  
A014901 4.82606 [ {a(n+3)-20\*a(n+2)+37\*a(n+1)-18\*a(n), a(0) = 1, a(1) = 20, a(2) = 363}, ogf]  
A014903 16.3306 [ -1/(19\*x-1)/(x-1)^2 ogf]  
A014903 5.53580 [ {a(n+3)-21\*a(n+2)+39\*a(n+1)-19\*a(n), a(0) = 1, a(1) = 21, a(2) = 402}, ogf]  
A014904 16.6196 [ -1/(20\*x-1)/(x-1)^2 ogf]  
A014904 23.3294 -2\*(-11+30\*x)/(20\*x-1)/(x-1) lgdogf  
A014904 5.63377 [ {a(n+3)-22\*a(n+2)+41\*a(n+1)-20\*a(n), a(0) = 1, a(1) = 22, a(2) = 443}, ogf]  
A014905 12.8926 [ -1/(21\*x-1)/(x-1)^2 ogf]  
A014905 19.4081 -(-23+63\*x)/(21\*x-1)/(x-1) lgdogf  
A014905 4.37036 [ {a(n+3)-23\*a(n+2)+43\*a(n+1)-21\*a(n), a(0) = 1, a(1) = 23, a(2) = 486}, ogf]  
A014907 13.1698 [ -1/(22\*x-1)/(x-1)^2 ogf]  
A014907 19.1001 -6\*(-4+11\*x)/(22\*x-1)/(x-1) lgdogf  
A014907 4.46434 [ {a(n+3)-24\*a(n+2)+45\*a(n+1)-22\*a(n), a(0) = 1, a(1) = 24, a(2) = 531}, ogf]  
A014909 13.3084 [ -1/(23\*x-1)/(x-1)^2 ogf]  
A014909 20.0480 -(-25+69\*x)/(23\*x-1)/(x-1) lgdogf  
A014909 4.51133 [ {a(n+3)-25\*a(n+2)+47\*a(n+1)-23\*a(n), a(0) = 1, a(1) = 25, a(2) = 578}, ogf]  
A014913 13.3778 [ -1/(24\*x-1)/(x-1)^2 ogf]  
A014913 18.0696 -2\*(-13+36\*x)/(24\*x-1)/(-1+x) lgdogf  
A014913 4.53483 [ {a(n+3)-26\*a(n+2)+49\*a(n+1)-24\*a(n), a(0) = 1, a(1) = 26, a(2) = 627}, ogf]  
A014914 13.6550 [ -1/(25\*x-1)/(x-1)^2 ogf]  
A014914 19.8189 -3\*(-9+25\*x)/(25\*x-1)/(x-1) lgdogf  
A014914 4.62881 [ {a(n+3)-27\*a(n+2)+51\*a(n+1)-25\*a(n), a(0) = 1, a(1) = 27, a(2) = 678}, ogf]  
A014915 18.1274 [ -1/(x-1)/(3\*x-1)^2 ogf]  
A014915 26.9443 -(-7+9\*x)/(3\*x-1)/(x-1) lgdogf  
A014915 6.04246 [ {a(n+3)-7\*a(n+2)+15\*a(n+1)-9\*a(n), a(0) = 1, a(1) = 7, a(2) = 34}, ogf]  
A014916 15.6930 [ -1/(x-1)/(4\*x-1)^2 ogf]  
A014916 23.0639 -3\*(-3+4\*x)/(-1+4\*x)/(x-1) lgdogf  
A014916 5.32197 [ {a(n+3)-9\*a(n+2)+24\*a(n+1)-16\*a(n), a(0) = 1, a(1) = 9, a(2) =

57}], ogf]

A014917 13.9302 [  $-1/(x-1)/(5x-1)^2$  ogf]

A014917 21.8089  $-(-11+15x)/(5x-1)/(x-1)$  lgdogf

A014917 4.76244 [  $\{a(n+3)-11a(n+2)+35a(n+1)-25a(n), a(0) = 1, a(1) = 11, a(2) = 86\}$ , ogf]

A014918 15.0536 [  $-1/(x-1)/(6x-1)^2$  ogf]

A014918 22.6984  $-(-13+18x)/(6x-1)/(-1+x)$  lgdogf

A014918 5.10290 [  $\{a(n+3)-13a(n+2)+48a(n+1)-36a(n), a(0) = 1, a(1) = 13, a(2) = 121\}$ , ogf]

A014920 14.3542 [  $-1/(x-1)/(7x-1)^2$  ogf]

A014920 22.4955  $-3*(-5+7x)/(7x-1)/(x-1)$  lgdogf

A014920 4.86581 [  $\{a(n+3)-15a(n+2)+63a(n+1)-49a(n), a(0) = 1, a(1) = 15, a(2) = 162\}$ , ogf]

A014921 13.5125 [  $-1/(x-1)/(8x-1)^2$  ogf]

A014921 21.1575  $-(-17+24x)/(8x-1)/(x-1)$  lgdogf

A014921 4.58050 [  $\{a(n+3)-17a(n+2)+80a(n+1)-64a(n), a(0) = 1, a(1) = 17, a(2) = 209\}$ , ogf]

A014923 12.2536 [  $-1/(x-1)/(9x-1)^2$  ogf]

A014923 19.1525  $-(-19+27x)/(9x-1)/(x-1)$  lgdogf

A014923 4.15377 [  $\{a(n+3)-19a(n+2)+99a(n+1)-81a(n), a(0) = 1, a(1) = 19, a(2) = 262\}$ , ogf]

A014925 12.2098 [  $-1/(x-1)/(10x-1)^2$  ogf]

A014925 4.27342 [  $\{a(n+3)-21a(n+2)+120a(n+1)-100a(n), a(0) = 1, a(1) = 21, a(2) = 321\}$ , ogf]

A014926 10.9583 [  $-1/(x-1)/(11x-1)^2$  ogf]

A014926 16.6355  $-(-23+33x)/(11x-1)/(-1+x)$  lgdogf

A014926 3.83542 [  $\{a(n+3)-23a(n+2)+143a(n+1)-121a(n), a(0) = 1, a(1) = 23, a(2) = 386\}$ , ogf]

A014927 11.2884 [  $-1/(x-1)/(12x-1)^2$  ogf]

A014927 17.8086  $-(-25+36x)/(12x-1)/(x-1)$  lgdogf

A014927 3.95094 [  $\{a(n+3)-25a(n+2)+168a(n+1)-144a(n), a(0) = 1, a(1) = 25, a(2) = 457\}$ , ogf]

A014928 11.4865 [  $-1/(x-1)/(13x-1)^2$  ogf]

A014928 17.4570  $-3*(-9+13x)/(13x-1)/(x-1)$  lgdogf

A014928 4.02026 [  $\{a(n+3)-27a(n+2)+195a(n+1)-169a(n), a(0) = 1, a(1) = 27, a(2) = 534\}$ , ogf]

A014929 17.1759 [  $-1/(x-1)/(14x-1)^2$  ogf]

A014929 27.2927  $-(-29+42x)/(14x-1)/(x-1)$  lgdogf

A014929 6.01157 [  $\{a(n+3)-29a(n+2)+224a(n+1)-196a(n), a(0) = 1, a(1) = 29, a(2) = 617\}$ , ogf]

A014930 12.0145 [  $-1/(x-1)/(15x-1)^2$  ogf]

A014930 18.9816  $-(-31+45x)/(15x-1)/(x-1)$  lgdogf

A014930 4.20509 [  $\{a(n+3)-31a(n+2)+255a(n+1)-225a(n), a(0) = 1, a(1) = 31, a(2) = 706\}$ , ogf]

A014931 12.2786 [  $-1/(x-1)/(16x-1)^2$  ogf]

A014931 18.0218  $-3*(-11+16x)/(16x-1)/(x-1)$  lgdogf

A014931 4.29752 [  $\{a(n+3)-33a(n+2)+288a(n+1)-256a(n), a(0) = 1, a(1) = 33, a(2) = 801\}$ , ogf]

A014934 14.1660 [  $-1/(x-1)/(17x-1)^2$  ogf]

A014934 19.6214  $-(-35+51x)/(17x-1)/(x-1)$  lgdogf

A014934 4.95812 [  $\{a(n+3)-35a(n+2)+323a(n+1)-289a(n), a(0) = 1, a(1) = 35, a(2) = 902\}$ , ogf]

A014935 12.7407 [  $-1/(x-1)/(18x-1)^2$  ogf]

A014935 19.4081  $-(-37+54x)/(18x-1)/(-1+x)$  lgdogf

A014935 4.42240 [  $\{a(n+3)-37a(n+2)+360a(n+1)-324a(n), a(0) = 1, a(1) = 37, a(2) = 1009\}$ , ogf]

A014936 12.8727 [  $-1/(x-1)/(19x-1)^2$  ogf]

A014936 18.9130  $-3*(-13+19x)/(19x-1)/(x-1)$  lgdogf

A014936 4.46822 [  $\{a(n+3)-39a(n+2)+399a(n+1)-361a(n), a(0) = 1, a(1) = 39, a(2) = 1122\}$ , ogf]

A014937 13.0708 [  $-1/(x-1)/(20x-1)^2$  ogf]

A014937 20.6878  $-( -41+60*x)/(20*x-1)/(x-1)$  lgdogf  
A014937 4.53697  $[ \{a(n+3)-41*a(n+2)+440*a(n+1)-400*a(n), a(0) = 1, a(1) = 41, a(2) = 1241\},$  ogf]  
A014938 13.2688  $[ -1/(x-1)/(21*x-1)^2$  ogf]  
A014938 20.2296  $-( -43+63*x)/(21*x-1)/(-1+x)$  lgdogf  
A014938 4.60571  $[ \{a(n+3)-43*a(n+2)+483*a(n+1)-441*a(n), a(0) = 1, a(1) = 43, a(2) = 1366\},$  ogf]  
A014940 13.3348  $[ -1/(x-1)/(22*x-1)^2$  ogf]  
A014940 19.6062  $-3*(-15+22*x)/(22*x-1)/(x-1)$  lgdogf  
A014940 4.62862  $[ \{a(n+3)-45*a(n+2)+528*a(n+1)-484*a(n), a(0) = 1, a(1) = 45, a(2) = 1497\},$  ogf]  
A014941 13.5329  $[ -1/(x-1)/(23*x-1)^2$  ogf]  
A014941 21.4343  $-( -47+69*x)/(23*x-1)/(x-1)$  lgdogf  
A014941 4.69736  $[ \{a(n+3)-47*a(n+2)+575*a(n+1)-529*a(n), a(0) = 1, a(1) = 47, a(2) = 1634\},$  ogf]  
A014942 13.6649  $[ -1/(x-1)/(24*x-1)^2$  ogf]  
A014942 21.6475  $-( -49+72*x)/(24*x-1)/(x-1)$  lgdogf  
A014942 4.74319  $[ \{a(n+3)-49*a(n+2)+624*a(n+1)-576*a(n), a(0) = 1, a(1) = 49, a(2) = 1777\},$  ogf]  
A014943 11.9283  $[ -1/(x-1)/(25*x-1)^2$  ogf]  
A014943 17.5056  $-3*(-17+25*x)/(25*x-1)/(x-1)$  lgdogf  
A014943 4.14040  $[ \{a(n+3)-51*a(n+2)+675*a(n+1)-625*a(n), a(0) = 1, a(1) = 51, a(2) = 1926\},$  ogf]  
A014969 12.2417  $[ -( -8*x^2+4*x-8)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A014970 11.5282  $[ -( -12*x^2+6*x-12)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A014972 12.9615  $[ -( -16*x^2+8*x-16)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A014979 3.81454  $[ \{a(n+3)-195*a(n+2)+195*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 210\},$  ogf]  
A014979 7.19840  $[ -x*(15*x+1)/(x-1)/(x^2-194*x+1)$  ogf]  
A014979 7.97466  $-6*(35-65*x+5*x^3-487*x^2)/(x-1)/(15*x+1)/(x^2-194*x+1)$  lgdogf  
A014983 20.8501  $1/6/x*(-1+2*x+(1-4*x+16*x^2)^(1/2))$  revogf  
A014983 21.1039  $[ -x/(3*x+1)/(x-1)$  ogf]  
A014983 29.1901  $-2*(-1+3*x)/(3*x+1)/(x-1)$  lgdogf  
A014983 8.59790  $[ \{a(n+2)+2*a(n+1)-3*a(n), a(0) = 0, a(1) = 1\},$  ogf]  
A014985 17.4692  $1/8/x*(-1+3*x+(1-6*x+25*x^2)^(1/2))$  revogf  
A014985 20.3266  $[ -1/(4*x+1)/(x-1)$  ogf]  
A014985 26.5835  $-( -3+8*x)/(4*x+1)/(x-1)$  lgdogf  
A014985 7.18868  $[ \{a(n+2)+3*a(n+1)-4*a(n), a(0) = 1, a(1) = -3\},$  ogf]  
A014986 16.2664  $1/10/x*(4*x-1+(36*x^2-8*x+1)^(1/2))$  revogf  
A014986 19.0020  $[ -1/(5*x+1)/(x-1)$  ogf]  
A014986 22.7730  $-2*(-2+5*x)/(5*x+1)/(x-1)$  lgdogf  
A014986 6.72022  $[ \{a(n+2)+4*a(n+1)-5*a(n), a(0) = 1, a(1) = -4\},$  ogf]  
A014987 16.7037  $1/12/x*(-1+5*x+(1-10*x+49*x^2)^(1/2))$  revogf  
A014987 20.6817  $[ -1/(6*x+1)/(x-1)$  ogf]  
A014987 25.7516  $-( -5+12*x)/(6*x+1)/(x-1)$  lgdogf  
A014987 7.31427  $[ \{a(n+2)+5*a(n+1)-6*a(n), a(0) = 1, a(1) = -5\},$  ogf]  
A014989 16.5597  $1/14/x*(6*x-1+(64*x^2-12*x+1)^(1/2))$  revogf  
A014989 19.9371  $[ -1/(7*x+1)/(x-1)$  ogf]  
A014989 23.8460  $-2*(-3+7*x)/(7*x+1)/(x-1)$  lgdogf  
A014989 7.05093  $[ \{a(n+2)+6*a(n+1)-7*a(n), a(0) = 1, a(1) = -6\},$  ogf]  
A014990 15.1201  $1/16/x*(-1+7*x+(1-14*x+81*x^2)^(1/2))$  revogf  
A014990 18.7835  $[ -1/(8*x+1)/(x-1)$  ogf]  
A014990 22.3777  $-( -7+16*x)/(8*x+1)/(-1+x)$  lgdogf  
A014990 6.64294  $[ \{a(n+2)+7*a(n+1)-8*a(n), a(0) = 1, a(1) = -7\},$  ogf]  
A014991 14.0613  $1/18/x*(8*x-1+(100*x^2-16*x+1)^(1/2))$  revogf  
A014991 17.4419  $[ -1/(9*x+1)/(x-1)$  ogf]  
A014991 20.8107  $-2*(-4+9*x)/(9*x+1)/(x-1)$  lgdogf  
A014991 6.16848  $[ \{a(n+2)+8*a(n+1)-9*a(n), a(0) = 1, a(1) = -8\},$  ogf]  
A014992 14.0613  $1/20/x*(9*x-1+(121*x^2-18*x+1)^(1/2))$  revogf  
A014992 16.8605  $[ -1/(10*x+1)/(x-1)$  ogf]  
A014992 20.8107  $-( -9+20*x)/(10*x+1)/(x-1)$  lgdogf

A014992 6.09416 [ $\{a(n+2)+9a(n+1)-10a(n), a(0) = 1, a(1) = -9\}$ , ogf]  
A014993 12.8584  $1/22/x^{*}(-1+10*x+(1-20*x+144*x^2)^{(1/2)})$  revogf  
A014993 15.8111 [ $-1/(11*x+1)/(x-1)$  ogf]  
A014993 5.76641 [ $\{a(n+2)+10a(n+1)-11a(n), a(0) = 1, a(1) = -10\}$ , ogf]  
A014994 13.0764  $1/24/x^{*}(-1+11*x+(1-22*x+169*x^2)^{(1/2)})$  revogf  
A014994 16.0853 [ $-1/(12*x+1)/(x-1)$  ogf]  
A014994 19.6145  $-(-11+24*x)/(12*x+1)/(x-1)$  lgdogf  
A014994 5.86641 [ $\{a(n+2)+11a(n+1)-12a(n), a(0) = 1, a(1) = -11\}$ , ogf]  
A015000 13.3669  $1/26/x^{*}(-1+12*x+(1-24*x+196*x^2)^{(1/2)})$  revogf  
A015000 16.4509 [ $-1/(13*x+1)/(x-1)$  ogf]  
A015000 19.3078  $-2*(-6+13*x)/(13*x+1)/(x-1)$  lgdogf  
A015000 5.99974 [ $\{a(n+2)+12a(n+1)-13a(n), a(0) = 1, a(1) = -12\}$ , ogf]  
A015128 18.4071 [ $-(x+2)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A015165 2.99943 [ $1326*x^{11}+1632*x^{10}+136*x^8+102*x^7$  ogf\_with\_Euler\_transform]  
A015219 15.5074  $-(35+155*x+x^3+65*x^2)/(x-1)/(1+x)/(x^2+30*x+1)$  lgdogf  
A015219 3.95249 [ $\{(-14*n^2-67*n-78)*a(n+1)+(28*n^2+140*n+273)*a(n+2)+(-14*n^2-73*n-93)*a(n+3), a(0) = 1, a(1) = 35, a(2) = 165\}$ , ogf]  
A015219 9.40592 [ $(x+1)*(x^2+30*x+1)/(x-1)^4$  ogf]  
A015220 5.84384 [ $2*(2*x^6+3*x^5+5*x^4+12*x^3+5*x^2+3*x+2)/(x^2+x+1)^3/(x-1)^4$  ogf]  
A015220 6.53983  $-(5+15*x+8*x^8+17*x^7+35*x^6+104*x^5+72*x^4+64*x^3+64*x^2)/(x-1)/(x^2+x+1)/(2*x^6+3*x^5+5*x^4+12*x^3+5*x^2+3*x+2)$  lgdogf  
A015221 5.85425 [ $(x^6+4*x^5+47*x^4+24*x^3+47*x^2+4*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A015221 7.13391  $-(5+105*x+9*x^6+143*x^2+447*x^3+163*x^4+x^7+151*x^5)/(x-1)/(x+1)/(x^6+4*x^5+47*x^4+24*x^3+47*x^2+4*x+1)$  lgdogf  
A015222 6.31832 [ $2*(7*x^4+8*x^3+34*x^2+8*x+7)/(x+1)^3/(x-1)^4$  ogf]  
A015222 8.71547  $-(15+125*x+21*x^5+206*x^3+39*x^4+106*x^2)/(-1+x)/(1+x)/(7*x^4+8*x^3+34*x^2+8*x+7)$  lgdogf  
A015223 12.9965  $-3*(3*x+5)*(x^2+26*x+5)/(x-1)/(9*x^3+111*x^2+71*x+1)$  lgdogf  
A015223 8.62102 [ $(9*x^3+111*x^2+71*x+1)/(x-1)^4$  ogf]  
A015224 5.27715 [ $2*x*(x^7+11*x^6+13*x^5+17*x^4+34*x^3+11*x^2+6*x+3)/(x^2+x+1)^3/(x-1)^4$  ogf]  
A015224 5.67305  $-(9+31*x+133*x^6+334*x^5+149*x^2+167*x^3+204*x^4+45*x^8+77*x^7+3*x^9)/(x-1)/(x^2+x+1)/(x^7+11*x^6+13*x^5+17*x^4+34*x^3+11*x^2+6*x+3)$  lgdogf  
A015225 5.67850 [ $(3*x^6+10*x^5+103*x^4+48*x^3+85*x^2+6*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A015225 6.58065  $-(7+183*x+23*x^6+265*x^2+885*x^3+345*x^4+3*x^7+337*x^5)/(x-1)/(x+1)/(3*x^6+10*x^5+103*x^4+48*x^3+85*x^2+6*x+1)$  lgdogf  
A015226 6.27597 [ $2*(17*x^4+18*x^3+68*x^2+14*x+11)/(x+1)^3/(x-1)^4$  ogf]  
A015226 8.42279  $-(25+227*x+51*x^5+89*x^4+426*x^3+206*x^2)/(x-1)/(1+x)/(17*x^4+18*x^3+68*x^2+14*x+11)$  lgdogf  
A015234 15.7847  $-2*(-26+31*x+19*x^2)/(x-1)/(19*x^2+8*x-15)$  lgdogf  
A015234 7.80501 [ $-x*(19*x^2+8*x-15)/(x-1)^4$  ogf]  
A015237 16.8655  $-6*(2+5*x+x^2)/(x-1)/(3*x^2+8*x+1)$  lgdogf  
A015237 7.99886 [ $x*(3*x^2+8*x+1)/(x-1)^4$  ogf]  
A015238 16.1069  $-2*(2+17*x+5*x^2)/(x-1)/(5*x^2+8*x-1)$  lgdogf  
A015238 8.26038 [ $x*(5*x^2+8*x-1)/(x-1)^4$  ogf]  
A015240 15.6830  $-2*(-2+19*x+7*x^2)/(x-1)/(7*x^2+8*x-3)$  lgdogf  
A015240 8.21207 [ $x*(7*x^2+8*x-3)/(x-1)^4$  ogf]  
A015242 16.0116  $-6*(-2+7*x+3*x^2)/(x-1)/(9*x^2+8*x-5)$  lgdogf  
A015242 8.11545 [ $x*(9*x^2+8*x-5)/(x-1)^4$  ogf]  
A015243 14.6215  $-2*(-10+23*x+11*x^2)/(x-1)/(11*x^2+8*x-7)$  lgdogf  
A015243 8.05345 [ $x*(11*x^2+8*x-7)/(x-1)^4$  ogf]  
A015245 14.4495  $-2*(-14+25*x+13*x^2)/(x-1)/(13*x^2+8*x-9)$  lgdogf  
A015245 7.91049 [ $x*(13*x^2+8*x-9)/(x-1)^4$  ogf]  
A015246 15.2809  $-6*(-6+9*x+5*x^2)/(x-1)/(15*x^2+8*x-11)$  lgdogf  
A015246 7.80501 [ $x*(15*x^2+8*x-11)/(x-1)^4$  ogf]  
A015247 14.3573  $-2*(-22+29*x+17*x^2)/(x-1)/(17*x^2+8*x-13)$  lgdogf  
A015247 7.85203 [ $x*(17*x^2+8*x-13)/(x-1)^4$  ogf]  
A015249 14.4233  $-3*(-1-4*x+8*x^2)/(x-1)/(1+2*x)/(-1+4*x)$  lgdogf

A015249 15.9317 [  $1/(x-1)/(2*x+1)/(4*x-1)$  ogf]  
A015249 5.21657 [  $\{a(n+3)-3*a(n+2)-6*a(n+1)+8*a(n), a(0) = 1, a(1) = 3, a(2) = 15\}$ , ogf]  
A015251 12.6732  $-(-7-42*x+81*x^2)/(x-1)/(3*x+1)/(9*x-1)$  lgdogf  
A015251 12.9696 [  $1/(x-1)/(3*x+1)/(9*x-1)$  ogf]  
A015251 4.39839 [  $\{a(n+3)-7*a(n+2)-21*a(n+1)+27*a(n), a(0) = 1, a(1) = 7, a(2) = 70\}$ , ogf]  
A015253 12.2987 [  $1/(x-1)/(4*x+1)/(16*x-1)$  ogf]  
A015253 12.3212  $-(-13-104*x+192*x^2)/(x-1)/(4*x+1)/(16*x-1)$  lgdogf  
A015253 4.58596 [  $\{a(n+3)-13*a(n+2)-52*a(n+1)+64*a(n), a(0) = 1, a(1) = 13, a(2) = 221\}$ , ogf]  
A015255 11.6931 [  $1/(x-1)/(5*x+1)/(25*x-1)$  ogf]  
A015255 11.9725  $-3*(-7-70*x+125*x^2)/(-1+x)/(5*x+1)/(25*x-1)$  lgdogf  
A015255 4.48235 [  $\{a(n+3)-21*a(n+2)-105*a(n+1)+125*a(n), a(0) = 1, a(1) = 21, a(2) = 546\}$ , ogf]  
A015257 12.8986 [  $1/(x-1)/(36*x-1)/(6*x+1)$  ogf]  
A015257 4.90359 [  $\{a(n+3)-31*a(n+2)-186*a(n+1)+216*a(n), a(0) = 1, a(1) = 31, a(2) = 1147\}$ , ogf]  
A015258 13.8630 [  $1/(x-1)/(7*x+1)/(49*x-1)$  ogf]  
A015258 14.2410  $-(-43-602*x+1029*x^2)/(x-1)/(7*x+1)/(49*x-1)$  lgdogf  
A015258 5.27021 [  $\{a(n+3)-43*a(n+2)-301*a(n+1)+343*a(n), a(0) = 1, a(1) = 43, a(2) = 2150\}$ , ogf]  
A015259 10.7857 [  $1/(x-1)/(8*x+1)/(64*x-1)$  ogf]  
A015259 10.7908  $-3*(-19-304*x+512*x^2)/(x-1)/(8*x+1)/(64*x-1)$  lgdogf  
A015259 4.10036 [  $\{a(n+3)-57*a(n+2)-456*a(n+1)+512*a(n), a(0) = 1, a(1) = 57, a(2) = 3705\}$ , ogf]  
A015260 13.2459 [  $1/(x-1)/(81*x-1)/(9*x+1)$  ogf]  
A015260 13.2995  $-(-73-1314*x+2187*x^2)/(x-1)/(81*x-1)/(9*x+1)$  lgdogf  
A015260 5.03563 [  $\{a(n+3)-73*a(n+2)-657*a(n+1)+729*a(n), a(0) = 1, a(1) = 73, a(2) = 5986\}$ , ogf]  
A015261 3.63718 [  $\{a(n+3)-91*a(n+2)-910*a(n+1)+1000*a(n), a(0) = 1, a(1) = 91, a(2) = 9191\}$ , ogf]  
A015261 9.22291  $-(-91-1820*x+3000*x^2)/(x-1)/(10*x+1)/(100*x-1)$  lgdogf  
A015261 9.44119 [  $1/(x-1)/(10*x+1)/(100*x-1)$  ogf]  
A015262 11.3103  $-3*(-37-814*x+1331*x^2)/(-1+x)/(11*x+1)/(121*x-1)$  lgdogf  
A015262 11.5257 [  $1/(x-1)/(11*x+1)/(121*x-1)$  ogf]  
A015262 4.48221 [  $\{a(n+3)-111*a(n+2)-1221*a(n+1)+1331*a(n), a(0) = 1, a(1) = 111, a(2) = 13542\}$ , ogf]  
A015264 3.88813 [  $\{a(n+3)-133*a(n+2)-1596*a(n+1)+1728*a(n), a(0) = 1, a(1) = 133, a(2) = 19285\}$ , ogf]  
A015264 9.78869  $-(-133-3192*x+5184*x^2)/(-1+x)/(12*x+1)/(144*x-1)$  lgdogf  
A015264 9.99806 [  $1/(x-1)/(12*x+1)/(144*x-1)$  ogf]  
A015265 12.2259 [  $1/(x-1)/(13*x+1)/(169*x-1)$  ogf]  
A015265 12.2606  $-(-157-4082*x+6591*x^2)/(x-1)/(13*x+1)/(169*x-1)$  lgdogf  
A015265 4.75450 [  $\{a(n+3)-157*a(n+2)-2041*a(n+1)+2197*a(n), a(0) = 1, a(1) = 157, a(2) = 26690\}$ , ogf]  
A015266 11.3484 [  $1/(x-1)/(2*x+1)/(8*x+1)/(4*x-1)$  ogf]  
A015266 9.81480  $-(5-60*x-120*x^2+256*x^3)/(-1+x)/(2*x+1)/(8*x+1)/(-1+4*x)$  lgdogf  
A015268 10.5572 [  $1/(x-1)/(27*x+1)/(3*x+1)/(9*x-1)$  ogf]  
A015268 9.49260  $-4*(5-105*x-405*x^2+729*x^3)/(x-1)/(27*x+1)/(3*x+1)/(9*x-1)$  lgdogf  
A015271 7.71418  $-(-51-1768*x-9792*x^2+16384*x^3)/(-1+x)/(64*x+1)/(1+4*x)/(-1+16*x)$  lgdogf  
A015271 8.50869 [  $1/(x-1)/(64*x+1)/(4*x+1)/(16*x-1)$  ogf]  
A015272 6.00829  $-4*(26-1365*x+15625*x^3-9750*x^2)/(-1+x)/(5*x+1)/(25*x-1)/(125*x+1)$  lgdogf  
A015272 6.41268 [  $1/(x-1)/(5*x+1)/(25*x-1)/(125*x+1)$  ogf]  
A015273 6.33832  $-(-185-13764*x+186624*x^3-119880*x^2)/(x-1)/(216*x+1)/(36*x-1)/(6*x+1)$  lgdogf  
A015273 6.97377 [  $1/(x-1)/(216*x+1)/(36*x-1)/(6*x+1)$  ogf]  
A015275 6.97967  $-4*(75-7525*x-77175*x^2+117649*x^3)/(x-1)/(7*x+1)/(343*x+1)/$



(49\*x-1) lgdogf  
A015275 7.22535 [ 1/(x-1)/(7\*x+1)/(343\*x+1)/(49\*x-1) ogf]  
A015276 7.17074 -(455-59280\*x-698880\*x^2+1048576\*x^3)/(x-1)/(512\*x+1)/(8\*x+1)/(64\*x-1) lgdogf  
A015276 7.64588 [ 1/(x-1)/(512\*x+1)/(8\*x+1)/(64\*x-1) ogf]  
A015277 6.49277 [ 1/(x-1)/(81\*x-1)/(9\*x+1)/(729\*x+1) ogf]  
A015278 5.78693 -(909-183820\*x+4000000\*x^3-2727000\*x^2)/(x-1)/(10\*x+1)/(1000\*x+1)/(100\*x-1) lgdogf  
A015278 6.53973 [ 1/(x-1)/(10\*x+1)/(1000\*x+1)/(100\*x-1) ogf]  
A015279 6.08940 -4\*(305-74481\*x-1217865\*x^2+1771561\*x^3)/(x-1)/(11\*x+1)/(121\*x-1)/(1331\*x+1) lgdogf  
A015279 6.67242 [ 1/(x-1)/(11\*x+1)/(121\*x-1)/(1331\*x+1) ogf]  
A015287 6.79244 -(11+220\*x-1320\*x^2-2816\*x^3+5120\*x^4)/(x-1)/(-1+4\*x)/(8\*x+1)/(2\*x+1)/(16\*x-1) lgdogf  
A015287 8.58957 [ -1/(x-1)/(4\*x-1)/(8\*x+1)/(2\*x+1)/(16\*x-1) ogf]  
A015288 5.09936 -(61+3660\*x+295245\*x^4-177876\*x^3-49410\*x^2)/(x-1)/(27\*x+1)/(81\*x-1)/(9\*x-1)/(3\*x+1) lgdogf  
A015288 6.35661 [ -1/(x-1)/(27\*x+1)/(81\*x-1)/(9\*x-1)/(3\*x+1) ogf]  
A015289 5.96379 [ -1/(x-1)/(256\*x-1)/(64\*x+1)/(4\*x+1)/(16\*x-1) ogf]  
A015291 5.38749 [ -1/(x-1)/(5\*x+1)/(25\*x-1)/(625\*x-1)/(125\*x+1) ogf]  
A015292 5.65431 [ -1/(x-1)/(216\*x+1)/(36\*x-1)/(1296\*x-1)/(6\*x+1) ogf]  
A015293 7.21807 [ -1/(x-1)/(7\*x+1)/(2401\*x-1)/(343\*x+1)/(49\*x-1) ogf]  
A015305 5.76699 -3\*(-7+308\*x+65536\*x^5-35840\*x^4-19712\*x^3+3080\*x^2)/(x-1)/(8\*x+1)/(2\*x+1)/(32\*x+1)/(4\*x-1)/(16\*x-1) lgdogf  
A015305 7.15959 [ -1/(x-1)/(8\*x+1)/(2\*x+1)/(32\*x+1)/(4\*x-1)/(16\*x-1) ogf]  
A015440 18.5149 1/10/x\*(-1-x+(21\*x^2+2\*x+1)^(1/2)) revogf  
A015440 19.4754 [ -1/(5\*x^2+x-1) ogf]  
A015440 29.9764 -(1+10\*x)/(5\*x^2-1+x) lgdogf  
A015440 7.83767 [{-a(n+2)+a(n+1)+5\*a(n), a(0) = 1, a(1) = 1}, ogf]  
A015441 21.6941 [ -x/(2\*x+1)/(3\*x-1) ogf]  
A015441 23.3082 1/12/x\*(-1-x+(25\*x^2+2\*x+1)^(1/2)) revogf  
A015441 31.6992 -(1+12\*x)/(2\*x+1)/(3\*x-1) lgdogf  
A015441 9.90967 [{-a(n+2)+a(n+1)+6\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A015442 17.8154 [ -x/(7\*x^2+x-1) ogf]  
A015442 19.0965 1/14/x\*(-1-x+(29\*x^2+2\*x+1)^(1/2)) revogf  
A015442 30.9181 -(1+14\*x)/(7\*x^2-1+x) lgdogf  
A015442 8.13788 [{-a(n+2)+a(n+1)+7\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A015443 17.9879 1/16/x\*(-1-x+(33\*x^2+2\*x+1)^(1/2)) revogf  
A015443 18.9231 [ -1/(8\*x^2+x-1) ogf]  
A015443 29.1232 -(1+16\*x)/(8\*x^2-1+x) lgdogf  
A015443 7.61540 [{-a(n+2)+a(n+1)+8\*a(n), a(0) = 1, a(1) = 1}, ogf]  
A015445 17.1989 1/18/x\*(-1-x+(37\*x^2+2\*x+1)^(1/2)) revogf  
A015445 18.1052 [ -1/(9\*x^2+x-1) ogf]  
A015445 27.8458 -(1+18\*x)/(9\*x^2-1+x) lgdogf  
A015445 7.28626 [{-a(n+2)+a(n+1)+9\*a(n), a(0) = 1, a(1) = 1}, ogf]  
A015446 17.5727 1/20/x\*(-1-x+(41\*x^2+2\*x+1)^(1/2)) revogf  
A015446 17.9466 [ -1/(10\*x^2+x-1) ogf]  
A015446 27.1579 -(1+20\*x)/(10\*x^2-1+x) lgdogf  
A015446 7.35164 [{-a(n+2)+a(n+1)+10\*a(n), a(0) = 1, a(1) = 1}, ogf]  
A015447 18.0401 1/22/x\*(-1-x+(45\*x^2+2\*x+1)^(1/2)) revogf  
A015447 18.4140 [ -1/(11\*x^2+x-1) ogf]  
A015447 27.8802 -(1+22\*x)/(11\*x^2-1+x) lgdogf  
A015447 7.54308 [{-a(n+2)+a(n+1)+11\*a(n), a(0) = 1, a(1) = 1}, ogf]  
A015448 10.0081 [{-a(n+2)+4\*a(n+1)+a(n), a(0) = 1, a(1) = 1}, ogf]  
A015448 18.2370 [ (3\*x-1)/(x^2+4\*x-1) ogf]  
A015448 20.1870 1/2/(-3+x)\*(-1-4\*x+(1-4\*x+20\*x^2)^(1/2)) revogf  
A015448 23.7494 -(3\*x+1)\*(x-1)/(3\*x-1)/(x^2+4\*x-1) lgdogf  
A015449 12.9137 [ (4\*x-1)/(x^2+5\*x-1) ogf]  
A015449 14.5834 1/2/(x-4)\*(-1-5\*x+(1-6\*x+29\*x^2)^(1/2)) revogf  
A015449 15.7986 -(-1-2\*x+4\*x^2)/(-1+4\*x)/(x^2+5\*x-1) lgdogf  
A015449 7.08678 [{-a(n+2)+5\*a(n+1)+a(n), a(0) = 1, a(1) = 1}, ogf]

A015451 12.6517 [ (5\*x-1)/(x^2+6\*x-1) ogf]  
A015451 13.9287 1/2/(-5+x)\*(-6\*x-1+(40\*x^2-8\*x+1)^(1/2)) revogf  
A015451 15.9185 -(-1-2\*x+5\*x^2)/(5\*x-1)/(x^2+6\*x-1) lgdogf  
A015451 6.94299 [ {-a(n+2)+6\*a(n+1)+a(n), a(0) = 1, a(1) = 1}, ogf]  
A015453 13.4635 [ (6\*x-1)/(x^2+7\*x-1) ogf]  
A015453 14.8420 1/2/(x-6)\*(-1-7\*x+(1-10\*x+53\*x^2)^(1/2)) revogf  
A015453 16.9623 -(-1-2\*x+6\*x^2)/(6\*x-1)/(x^2+7\*x-1) lgdogf  
A015453 7.38852 [ {-a(n+2)+7\*a(n+1)+a(n), a(0) = 1, a(1) = 1}, ogf]  
A015454 14.0724 [ (7\*x-1)/(x^2+8\*x-1) ogf]  
A015454 15.1483 1/2/(-7+x)\*(-8\*x-1+(68\*x^2-12\*x+1)^(1/2)) revogf  
A015454 7.72268 [ {-a(n+2)+8\*a(n+1)+a(n), a(0) = 1, a(1) = 1}, ogf]  
A015455 11.6469 [ (8\*x-1)/(x^2+9\*x-1) ogf]  
A015455 12.4959 1/2/(-8+x)\*(-1-9\*x+(1-14\*x+85\*x^2)^(1/2)) revogf  
A015455 13.8468 -(4\*x+1)\*(2\*x-1)/(-1+8\*x)/(x^2+9\*x-1) lgdogf  
A015455 6.39159 [ {-a(n+2)+9\*a(n+1)+a(n), a(0) = 1, a(1) = 1}, ogf]  
A015456 15.5535 [ (9\*x-1)/(x^2+10\*x-1) ogf]  
A015456 16.3554 1/2/(-9+x)\*(-1-10\*x+(1-16\*x+104\*x^2)^(1/2)) revogf  
A015456 19.5357 -(-1-2\*x+9\*x^2)/(9\*x-1)/(x^2+10\*x-1) lgdogf  
A015456 8.62002 [ {-a(n+2)+10\*a(n+1)+a(n), a(0) = 1, a(1) = 1}, ogf]  
A015457 15.2226 [ (10\*x-1)/(x^2+11\*x-1) ogf]  
A015457 15.9837 1/2/(-10+x)\*(-1-11\*x+(1-18\*x+125\*x^2)^(1/2)) revogf  
A015457 18.5075 -(-1-2\*x+10\*x^2)/(10\*x-1)/(x^2+11\*x-1) lgdogf  
A015457 8.62002 [ {-a(n+2)+11\*a(n+1)+a(n), a(0) = 1, a(1) = 1}, ogf]  
A015518 17.3700 [ -x/(x+1)/(3\*x-1) ogf]  
A015518 18.0800 1/6/x\*(-2\*x-1+(16\*x^2+4\*x+1)^(1/2)) revogf  
A015518 25.3121 -2\*(1+3\*x)/(x+1)/(-1+3\*x) lgdogf  
A015518 7.93443 [ {-a(n+2)+2\*a(n+1)+3\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A015519 17.2254 [ -x/(7\*x^2+2\*x-1) ogf]  
A015519 17.4356 1/14/x\*(-2\*x-1+(32\*x^2+4\*x+1)^(1/2)) revogf  
A015519 26.1534 -2\*(1+7\*x)/(7\*x^2-1+2\*x) lgdogf  
A015519 7.86837 [ {-a(n+2)+2\*a(n+1)+7\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A015520 15.1824 [ -x/(11\*x^2+2\*x-1) ogf]  
A015520 15.7645 1/22/x\*(-2\*x-1+(48\*x^2+4\*x+1)^(1/2)) revogf  
A015520 21.8278 -2\*(1+11\*x)/(11\*x^2-1+2\*x) lgdogf  
A015520 7.03573 [ {-a(n+2)+2\*a(n+1)+11\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A015521 16.2338 [ -x/(x+1)/(4\*x-1) ogf]  
A015521 16.8891 1/8/x\*(-1-3\*x+(1+6\*x+25\*x^2)^(1/2)) revogf  
A015521 25.7008 -(3+8\*x)/(x+1)/(-1+4\*x) lgdogf  
A015521 7.41544 [ {-a(n+2)+3\*a(n+1)+4\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A015523 16.6633 [ -x/(5\*x^2+3\*x-1) ogf]  
A015523 16.8613 1/10/x\*(-1-3\*x+(1+6\*x+29\*x^2)^(1/2)) revogf  
A015523 26.3916 -(3+10\*x)/(5\*x^2-1+3\*x) lgdogf  
A015523 7.61163 [ {-a(n+2)+3\*a(n+1)+5\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A015524 15.9317 [ -x/(7\*x^2+3\*x-1) ogf]  
A015524 16.1129 1/14/x\*(-1-3\*x+(1+6\*x+37\*x^2)^(1/2)) revogf  
A015524 7.27743 [ {-a(n+2)+3\*a(n+1)+7\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A015525 15.9317 [ -x/(8\*x^2+3\*x-1) ogf]  
A015525 16.1129 1/16/x\*(-1-3\*x+(1+6\*x+41\*x^2)^(1/2)) revogf  
A015525 7.27743 [ {-a(n+2)+3\*a(n+1)+8\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A015528 16.1725 [ -x/(2\*x+1)/(5\*x-1) ogf]  
A015528 16.8097 1/20/x\*(-1-3\*x+(1+6\*x+49\*x^2)^(1/2)) revogf  
A015528 24.2060 -(3+20\*x)/(2\*x+1)/(5\*x-1) lgdogf  
A015528 7.49459 [ {-a(n+2)+3\*a(n+1)+10\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A015529 17.9811 [ -x/(11\*x^2+3\*x-1) ogf]  
A015529 18.7152 1/22/x\*(-1-3\*x+(1+6\*x+53\*x^2)^(1/2)) revogf  
A015529 28.0728 -(3+22\*x)/(11\*x^2-1+3\*x) lgdogf  
A015529 8.33270 [ {-a(n+2)+3\*a(n+1)+11\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A015530 15.9317 [ -x/(3\*x^2+4\*x-1) ogf]  
A015530 16.5733 1/6/x\*(-1-4\*x+(1+8\*x+28\*x^2)^(1/2)) revogf  
A015530 7.27743 [ {-a(n+2)+4\*a(n+1)+3\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A015531 15.2046 [ -x/(x+1)/(5\*x-1) ogf]

A015531 15.3693  $1/10/x^{*}(-1-4*x^{*}+(1+8*x^{*}+36*x^{*2})^{(1/2)})$  revogf  
A015531 23.0540  $-2*(2+5*x^{*})/(x+1)/(5*x-1)$  lgdogf  
A015531 6.94530  $[{-a(n+2)+4*a(n+1)+5*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015532 18.8965  $[ -x/(7*x^{*2}+4*x-1)$  ogf]  
A015532 19.1566  $1/14/x^{*}(-1-4*x^{*}+(1+8*x^{*}+44*x^{*2})^{(1/2)})$  revogf  
A015532 28.7349  $-2*(7*x+2)/(7*x^{*2}-1+4*x)$  lgdogf  
A015532 8.63174  $[{-a(n+2)+4*a(n+1)+7*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015533 19.4119  $[ -x/(9*x^{*2}+4*x-1)$  ogf]  
A015533 19.6863  $1/18/x^{*}(-1-4*x^{*}+(1+8*x^{*}+52*x^{*2})^{(1/2)})$  revogf  
A015533 29.5294  $-2*(2+9*x^{*})/(9*x^{*2}-1+4*x)$  lgdogf  
A015533 8.86715  $[{-a(n+2)+4*a(n+1)+9*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015534 14.2612  $[ -x/(11*x^{*2}+4*x-1)$  ogf]  
A015534 14.7997  $1/22/x^{*}(-1-4*x^{*}+(1+8*x^{*}+60*x^{*2})^{(1/2)})$  revogf  
A015534 20.4920  $-2*(2+11*x^{*})/(11*x^{*2}-1+4*x)$  lgdogf  
A015534 6.60884  $[{-a(n+2)+4*a(n+1)+11*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015535 19.2401  $[ -x/(2*x^{*2}+5*x-1)$  ogf]  
A015535 19.5097  $1/4/x^{*}(-1-5*x^{*}+(1+10*x^{*}+33*x^{*2})^{(1/2)})$  revogf  
A015535 31.9250  $-(5+4*x^{*})/(2*x^{*2}-1+5*x)$  lgdogf  
A015535 8.78868  $[{-a(n+2)+5*a(n+1)+2*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015536 19.4119  $[ -x/(3*x^{*2}+5*x-1)$  ogf]  
A015536 19.6863  $1/6/x^{*}(-1-5*x^{*}+(1+10*x^{*}+37*x^{*2})^{(1/2)})$  revogf  
A015536 32.2139  $-(5+6*x^{*})/(3*x^{*2}-1+5*x)$  lgdogf  
A015536 8.86715  $[{-a(n+2)+5*a(n+1)+3*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015537 17.8808  $[ -x/(4*x^{*2}+5*x-1)$  ogf]  
A015537 18.1162  $1/8/x^{*}(-1-5*x^{*}+(1+10*x^{*}+41*x^{*2})^{(1/2)})$  revogf  
A015537 29.6446  $-(5+8*x^{*})/(4*x^{*2}-1+5*x)$  lgdogf  
A015537 8.16775  $[{-a(n+2)+5*a(n+1)+4*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015540 14.6466  $1/12/x^{*}(-1-5*x^{*}+(1+10*x^{*}+49*x^{*2})^{(1/2)})$  revogf  
A015540 14.8935  $[ -x/(x+1)/(6*x-1)$  ogf]  
A015540 22.5802  $-(5+12*x^{*})/(x+1)/(-1+6*x)$  lgdogf  
A015540 6.80319  $[{-a(n+2)+5*a(n+1)+6*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015541 18.2197  $1/14/x^{*}(-1-5*x^{*}+(1+10*x^{*}+53*x^{*2})^{(1/2)})$  revogf  
A015541 18.4740  $[ -x/(7*x^{*2}+5*x-1)$  ogf]  
A015541 29.3100  $-(5+14*x^{*})/(7*x^{*2}-1+5*x)$  lgdogf  
A015541 8.43873  $[{-a(n+2)+5*a(n+1)+7*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015544 18.3892  $1/16/x^{*}(-1-5*x^{*}+(1+10*x^{*}+57*x^{*2})^{(1/2)})$  revogf  
A015544 18.6435  $[ -x/(8*x^{*2}+5*x-1)$  ogf]  
A015544 29.5827  $-(5+16*x^{*})/(8*x^{*2}-1+5*x)$  lgdogf  
A015544 8.51615  $[{-a(n+2)+5*a(n+1)+8*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015545 18.5587  $1/18/x^{*}(-1-5*x^{*}+(1+10*x^{*}+61*x^{*2})^{(1/2)})$  revogf  
A015545 18.8129  $[ -x/(9*x^{*2}+5*x-1)$  ogf]  
A015545 29.8553  $-(5+18*x^{*})/(9*x^{*2}-1+5*x)$  lgdogf  
A015545 8.59357  $[{-a(n+2)+5*a(n+1)+9*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015547 16.8380  $[ -x/(11*x^{*2}+5*x-1)$  ogf]  
A015547 17.0425  $1/22/x^{*}(-1-5*x^{*}+(1+10*x^{*}+69*x^{*2})^{(1/2)})$  revogf  
A015547 26.2738  $-(5+22*x^{*})/(11*x^{*2}-1+5*x)$  lgdogf  
A015547 7.80299  $[{-a(n+2)+5*a(n+1)+11*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015548 17.0007  $[ -x/(12*x^{*2}+5*x-1)$  ogf]  
A015548 17.2096  $1/24/x^{*}(-1-5*x^{*}+(1+10*x^{*}+73*x^{*2})^{(1/2)})$  revogf  
A015548 26.5314  $-(5+24*x^{*})/(12*x^{*2}-1+5*x)$  lgdogf  
A015548 7.87838  $[{-a(n+2)+5*a(n+1)+12*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015551 15.4695  $1/10/x^{*}(-6*x-1+(56*x^{*2}+12*x+1)^{(1/2)})$  revogf  
A015551 15.7163  $[ -x/(5*x^{*2}+6*x-1)$  ogf]  
A015551 23.8487  $-2*(3+5*x^{*})/(5*x^{*2}-1+6*x)$  lgdogf  
A015551 7.17905  $[{-a(n+2)+6*a(n+1)+5*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015552 15.7163  $1/14/x^{*}(-6*x-1+(64*x^{*2}+12*x+1)^{(1/2)})$  revogf  
A015552 15.9632  $[ -x/(x+1)/(7*x-1)$  ogf]  
A015552 24.2293  $-2*(3+7*x^{*})/(x+1)/(7*x-1)$  lgdogf  
A015552 7.29181  $[{-a(n+2)+6*a(n+1)+7*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015553 15.9437  $[ -x/(11*x^{*2}+6*x-1)$  ogf]  
A015553 16.1277  $1/22/x^{*}(-6*x-1+(80*x^{*2}+12*x+1)^{(1/2)})$  revogf

A015553 22.9510  $-2*(3+11*x)/(11*x^2-1+6*x)$  lgdogf  
A015553 7.38852  $[{-a(n+2)+6*a(n+1)+11*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015555 16.2923  $[ -x/(2*x^2+7*x-1)$  ogf]  
A015555 16.4912  $1/4/x*(-1-7*x+(1+14*x+57*x^2)^(1/2))$  revogf  
A015555 26.9855  $-(7+4*x)/(2*x^2-1+7*x)$  lgdogf  
A015555 7.44216  $[{-a(n+2)+7*a(n+1)+2*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015559 16.3746  $[ -x/(3*x^2+7*x-1)$  ogf]  
A015559 16.5757  $1/6/x*(-1-7*x+(1+14*x+61*x^2)^(1/2))$  revogf  
A015559 27.1239  $-(7+6*x)/(3*x^2-1+7*x)$  lgdogf  
A015559 7.47974  $[{-a(n+2)+7*a(n+1)+3*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015561 16.4569  $[ -x/(4*x^2+7*x-1)$  ogf]  
A015561 16.6603  $1/8/x*(-1-7*x+(1+14*x+65*x^2)^(1/2))$  revogf  
A015561 27.2623  $-(7+8*x)/(4*x^2-1+7*x)$  lgdogf  
A015561 7.51733  $[{-a(n+2)+7*a(n+1)+4*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015562 16.2923  $1/10/x*(-1-7*x+(1+14*x+69*x^2)^(1/2))$  revogf  
A015562 16.5392  $[ -x/(5*x^2+7*x-1)$  ogf]  
A015562 26.2093  $-(7+10*x)/(5*x^2-1+7*x)$  lgdogf  
A015562 7.55493  $[{-a(n+2)+7*a(n+1)+5*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015564 16.3746  $1/12/x*(-1-7*x+(1+14*x+73*x^2)^(1/2))$  revogf  
A015564 16.6214  $[ -x/(6*x^2+7*x-1)$  ogf]  
A015564 26.3417  $-(7+12*x)/(6*x^2-1+7*x)$  lgdogf  
A015564 7.59251  $[{-a(n+2)+7*a(n+1)+6*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015565 16.6214  $1/16/x*(-1-7*x+(1+14*x+81*x^2)^(1/2))$  revogf  
A015565 16.8683  $[ -x/(x+1)/(8*x-1)$  ogf]  
A015565 26.7388  $-(7+16*x)/(x+1)/(8*x-1)$  lgdogf  
A015565 7.70527  $[{-a(n+2)+7*a(n+1)+8*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015566 16.7037  $1/18/x*(-1-7*x+(1+14*x+85*x^2)^(1/2))$  revogf  
A015566 16.9506  $[ -x/(9*x^2+7*x-1)$  ogf]  
A015566 26.8712  $-(7+18*x)/(9*x^2-1+7*x)$  lgdogf  
A015566 7.74285  $[{-a(n+2)+7*a(n+1)+9*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015568 16.7860  $1/20/x*(-1-7*x+(1+14*x+89*x^2)^(1/2))$  revogf  
A015568 20.4632  $[ -x/(10*x^2+7*x-1)$  ogf]  
A015568 9.48295  $[{-a(n+2)+7*a(n+1)+10*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015570 16.7860  $1/22/x*(-1-7*x+(1+14*x+93*x^2)^(1/2))$  revogf  
A015570 20.4632  $[ -x/(11*x^2+7*x-1)$  ogf]  
A015570 9.48295  $[{-a(n+2)+7*a(n+1)+11*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015572 16.8683  $1/24/x*(-1-7*x+(1+14*x+97*x^2)^(1/2))$  revogf  
A015572 20.5457  $[ -x/(12*x^2+7*x-1)$  ogf]  
A015572 26.0053  $-(7+24*x)/(12*x^2-1+7*x)$  lgdogf  
A015572 9.52118  $[{-a(n+2)+7*a(n+1)+12*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015574 17.3368  $1/6/x*(-8*x-1+(76*x^2+16*x+1)^(1/2))$  revogf  
A015574 21.1010  $[ -x/(3*x^2+8*x-1)$  ogf]  
A015574 26.0053  $-2*(4+3*x)/(3*x^2-1+8*x)$  lgdogf  
A015574 9.63873  $[{-a(n+2)+8*a(n+1)+3*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015575 17.0329  $1/10/x*(-8*x-1+(84*x^2+16*x+1)^(1/2))$  revogf  
A015575 21.2705  $[ -x/(5*x^2+8*x-1)$  ogf]  
A015575 26.2590  $-2*(4+5*x)/(5*x^2-1+8*x)$  lgdogf  
A015575 9.71615  $[{-a(n+2)+8*a(n+1)+5*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015576 17.2797  $1/14/x*(-8*x-1+(92*x^2+16*x+1)^(1/2))$  revogf  
A015576 21.5247  $[ -x/(7*x^2+8*x-1)$  ogf]  
A015576 26.6395  $-2*(4+7*x)/(7*x^2-1+8*x)$  lgdogf  
A015576 9.83227  $[{-a(n+2)+8*a(n+1)+7*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015577 18.9530  $1/18/x*(-8*x-1+(100*x^2+16*x+1)^(1/2))$  revogf  
A015577 19.7158  $[ -x/(x+1)/(9*x-1)$  ogf]  
A015577 30.0088  $-2*(4+9*x)/(x+1)/(9*x-1)$  lgdogf  
A015577 9.00599  $[{-a(n+2)+8*a(n+1)+9*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015578 16.9852  $1/22/x*(-8*x-1+(108*x^2+16*x+1)^(1/2))$  revogf  
A015578 21.2883  $[ -x/(11*x^2+8*x-1)$  ogf]  
A015578 24.8245  $-2*(4+11*x)/(11*x^2-1+8*x)$  lgdogf  
A015578 9.86532  $[{-a(n+2)+8*a(n+1)+11*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015579 19.7158  $[ -x/(2*x^2+9*x-1)$  ogf]

A015579 20.0059  $1/4/x^{*}(-1-9*x^{*}+(1+18*x^{*}+89*x^{*2})^{(1/2)})$  revogf  
A015579 32.7369  $-(9+4*x^{*})/(2*x^{*2}-1+9*x^{*})$  lgdogf  
A015579 9.00599  $[{-a(n+2)+9*a(n+1)+2*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015580 19.7158  $[ -x/(4*x^{*2}+9*x-1)$  ogf]  
A015580 20.0059  $1/8/x^{*}(-1-9*x^{*}+(1+18*x^{*}+97*x^{*2})^{(1/2)})$  revogf  
A015580 32.7369  $-(9+8*x^{*})/(4*x^{*2}-1+9*x^{*})$  lgdogf  
A015580 9.00599  $[{-a(n+2)+9*a(n+1)+4*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015581 18.9530  $1/10/x^{*}(-1-9*x^{*}+(1+18*x^{*}+101*x^{*2})^{(1/2)})$  revogf  
A015581 19.7158  $[ -x/(5*x^{*2}+9*x-1)$  ogf]  
A015581 31.3136  $-(9+10*x^{*})/(5*x^{*2}-1+9*x^{*})$  lgdogf  
A015581 9.00599  $[{-a(n+2)+9*a(n+1)+5*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015583 18.9530  $1/14/x^{*}(-1-9*x^{*}+(1+18*x^{*}+109*x^{*2})^{(1/2)})$  revogf  
A015583 19.7158  $[ -x/(7*x^{*2}+9*x-1)$  ogf]  
A015583 31.3136  $-(9+14*x^{*})/(7*x^{*2}-1+9*x^{*})$  lgdogf  
A015583 9.00599  $[{-a(n+2)+9*a(n+1)+7*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015584 18.9530  $1/16/x^{*}(-1-9*x^{*}+(1+18*x^{*}+113*x^{*2})^{(1/2)})$  revogf  
A015584 19.7158  $[ -x/(8*x^{*2}+9*x-1)$  ogf]  
A015584 31.3136  $-(9+16*x^{*})/(8*x^{*2}-1+9*x^{*})$  lgdogf  
A015584 9.00599  $[{-a(n+2)+9*a(n+1)+8*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015585 18.9530  $1/20/x^{*}(-1-9*x^{*}+(1+18*x^{*}+121*x^{*2})^{(1/2)})$  revogf  
A015585 19.1970  $[ -x/(x+1)/(10*x-1)$  ogf]  
A015585 30.0088  $-(9+20*x^{*})/(x+1)/(10*x-1)$  lgdogf  
A015585 8.89616  $[{-a(n+2)+9*a(n+1)+10*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015587 17.6262  $1/22/x^{*}(-1-9*x^{*}+(1+18*x^{*}+125*x^{*2})^{(1/2)})$  revogf  
A015587 19.9291  $[ -x/(11*x^{*2}+9*x-1)$  ogf]  
A015587 27.9081  $-(9+22*x^{*})/(11*x^{*2}-1+9*x^{*})$  lgdogf  
A015587 9.23543  $[{-a(n+2)+9*a(n+1)+11*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015588 18.5075  $1/6/x^{*}(-1-10*x^{*}+(1+20*x^{*}+112*x^{*2})^{(1/2)})$  revogf  
A015588 18.7478  $[ -x/(3*x^{*2}+10*x-1)$  ogf]  
A015588 28.1314  $-2*(3*x^{*}+5)/(3*x^{*2}-1+10*x^{*})$  lgdogf  
A015588 8.68802  $[{-a(n+2)+10*a(n+1)+3*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015589 18.0329  $1/14/x^{*}(-1-10*x^{*}+(1+20*x^{*}+128*x^{*2})^{(1/2)})$  revogf  
A015589 18.7478  $[ -x/(7*x^{*2}+10*x-1)$  ogf]  
A015589 28.1314  $-2*(5+7*x^{*})/(7*x^{*2}-1+10*x^{*})$  lgdogf  
A015589 8.68802  $[{-a(n+2)+10*a(n+1)+7*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015591 18.0329  $1/18/x^{*}(-1-10*x^{*}+(1+20*x^{*}+136*x^{*2})^{(1/2)})$  revogf  
A015591 18.7478  $[ -x/(9*x^{*2}+10*x-1)$  ogf]  
A015591 28.1314  $-2*(5+9*x^{*})/(9*x^{*2}-1+10*x^{*})$  lgdogf  
A015591 8.68802  $[{-a(n+2)+10*a(n+1)+9*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015592 12.6732  $1/22/x^{*}(-1-10*x^{*}+(1+20*x^{*}+144*x^{*2})^{(1/2)})$  revogf  
A015592 12.8955  $[ -x/(x+1)/(11*x-1)$  ogf]  
A015592 19.0097  $-2*(5+11*x^{*})/(x+1)/(11*x-1)$  lgdogf  
A015592 6.05933  $[{-a(n+2)+10*a(n+1)+11*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015593 16.5554  $1/4/x^{*}(-1-11*x^{*}+(1+22*x^{*}+129*x^{*2})^{(1/2)})$  revogf  
A015593 16.7918  $[ -x/(2*x^{*2}+11*x-1)$  ogf]  
A015593 26.2126  $-(11+4*x^{*})/(2*x^{*2}-1+11*x^{*})$  lgdogf  
A015593 7.78159  $[{-a(n+2)+11*a(n+1)+2*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015594 16.5554  $1/6/x^{*}(-1-11*x^{*}+(1+22*x^{*}+133*x^{*2})^{(1/2)})$  revogf  
A015594 16.7918  $[ -x/(3*x^{*2}+11*x-1)$  ogf]  
A015594 26.2126  $-(11+6*x^{*})/(3*x^{*2}-1+11*x^{*})$  lgdogf  
A015594 7.78159  $[{-a(n+2)+11*a(n+1)+3*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015596 16.5554  $1/8/x^{*}(-1-11*x^{*}+(1+22*x^{*}+137*x^{*2})^{(1/2)})$  revogf  
A015596 16.7918  $[ -x/(4*x^{*2}+11*x-1)$  ogf]  
A015596 26.2126  $-(11+8*x^{*})/(4*x^{*2}-1+11*x^{*})$  lgdogf  
A015596 7.78159  $[{-a(n+2)+11*a(n+1)+4*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015597 16.2077  $1/10/x^{*}(-1-11*x^{*}+(1+22*x^{*}+141*x^{*2})^{(1/2)})$  revogf  
A015597 16.8707  $[ -x/(5*x^{*2}+11*x-1)$  ogf]  
A015597 25.2840  $-(11+10*x^{*})/(5*x^{*2}-1+11*x^{*})$  lgdogf  
A015597 7.81812  $[{-a(n+2)+11*a(n+1)+5*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015598 16.2845  $1/12/x^{*}(-1-11*x^{*}+(1+22*x^{*}+145*x^{*2})^{(1/2)})$  revogf  
A015598 16.9495  $[ -x/(6*x^{*2}+11*x-1)$  ogf]

A015598 25.4038  $-(11+12*x)/(6*x^2-1+11*x)$  lgdogf  
A015598 7.85466  $[{-a(n+2)+11*a(n+1)+6*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015601 16.3613  $1/14/x*(-1-11*x+(1+22*x+149*x^2)^{(1/2)})$  revogf  
A015601 17.0284  $[ -x/(7*x^2+11*x-1)$  ogf]  
A015601 25.5236  $-(11+14*x)/(7*x^2-1+11*x)$  lgdogf  
A015601 7.89120  $[{-a(n+2)+11*a(n+1)+7*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015602 16.3613  $1/16/x*(-1-11*x+(1+22*x+153*x^2)^{(1/2)})$  revogf  
A015602 17.0284  $[ -x/(8*x^2+11*x-1)$  ogf]  
A015602 25.5236  $-(11+16*x)/(8*x^2-1+11*x)$  lgdogf  
A015602 7.89120  $[{-a(n+2)+11*a(n+1)+8*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015603 16.4381  $1/18/x*(-1-11*x+(1+22*x+157*x^2)^{(1/2)})$  revogf  
A015603 17.1072  $[ -x/(9*x^2+11*x-1)$  ogf]  
A015603 25.6434  $-(11+18*x)/(9*x^2-1+11*x)$  lgdogf  
A015603 7.92772  $[{-a(n+2)+11*a(n+1)+9*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015606 16.4381  $1/20/x*(-1-11*x+(1+22*x+161*x^2)^{(1/2)})$  revogf  
A015606 16.6685  $[ -x/(10*x^2+11*x-1)$  ogf]  
A015606 24.6572  $-(11+20*x)/(10*x^2-1+11*x)$  lgdogf  
A015606 7.83220  $[{-a(n+2)+11*a(n+1)+10*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015609 12.8955  $1/24/x*(-1-11*x+(1+22*x+169*x^2)^{(1/2)})$  revogf  
A015609 13.1178  $[ -x/(x+1)/(12*x-1)$  ogf]  
A015609 20.1170  $-(11+24*x)/(x+1)/(12*x-1)$  lgdogf  
A015609 6.16380  $[{-a(n+2)+11*a(n+1)+12*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015610 16.7454  $1/10/x*(-1-12*x+(1+24*x+164*x^2)^{(1/2)})$  revogf  
A015610 17.4225  $[ -x/(5*x^2+12*x-1)$  ogf]  
A015610 8.07385  $[{-a(n+2)+12*a(n+1)+5*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015611 16.7454  $1/14/x*(-1-12*x+(1+24*x+172*x^2)^{(1/2)})$  revogf  
A015611 17.4225  $[ -x/(7*x^2+12*x-1)$  ogf]  
A015611 8.07385  $[{-a(n+2)+12*a(n+1)+7*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015612 16.8222  $1/22/x*(-1-12*x+(1+24*x+188*x^2)^{(1/2)})$  revogf  
A015612 17.0526  $[ -x/(11*x^2+12*x-1)$  ogf]  
A015612 24.2987  $-2*(6+11*x)/(11*x^2-1+12*x)$  lgdogf  
A015612 8.01267  $[{-a(n+2)+12*a(n+1)+11*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A015735 6.85331  $9-3*x+(-12+36*x)*f(x)+(6-36*x+54*x^2)*f(x)^2+(-1-27*x^2+27*x^3+9*x)*f(x)^3$  lgdegf  
A015737 10.5299  $[-(x^7+x^5+x^4-x^2+1)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A015739 11.6604  $[-(x^9-x^7-x^5+x^3-1)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A015740 9.98244  $[-(x^{11}+x^9+x^6-x^4+1)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A015741 9.67408  $[-(x^{13}-x^{11}-x^7+x^5-1)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A015744 14.7536  $[-(x^5-2*x^3+x-1)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A015745 12.0177  $[-(x^7+x^5+x^4-x^2+1)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A015746 12.0177  $[-(x^9-x^7-x^5+x^3-1)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A015750 11.9035  $[-(x^{11}+x^9+x^6-x^4+1)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A015753 11.7926  $[-(x^{13}+x^{11}+x^7-x^5+1)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A015754 11.9060  $[-(x^{15}-x^{13}-x^8+x^6-1)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A015755 11.9060  $[-(x^{17}+x^{15}+x^9-x^7+1)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A015968 7.63796  $2/(113*x-1)/(111*x-1)$  lgdogf  
A016028 12.1822  $[ -(x^4-x+1)/(x-1)^3$  ogf]  
A016029 10.3583  $[ -(x^2-x+1)/(2*x-1)/(x^2+1)$  ogf]  
A016029 12.8775  $-(1-4*x^3+2*x^4+5*x^2)/(2*x-1)/(x^2+1)/(x^2-x+1)$  lgdogf  
A016029 5.64155  $[{a(n+3)-2*a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = 1, a(2) = 2}]$ , ogf]  
A016036 7.40412  $(-16*n-28)*a(n+1)+(8*n+19)*a(n+2)+(-n-3)*a(n+3), a(0)=4, a(1)=15, a(2)=117/2$  lgdegf  
A016051 12.7517  $[ 3*(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A016051 19.0474  $-(2+6*x+3*x^2+x^3)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A016051 30.9683  $[-x^2+x+2$  ogf\_with\_Euler\_transform]  
A016051 6.88364  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 6, a(2) = 12}]$ , ogf]  
A016061 11.3504  $[ x*(x+3)/(x-1)^4$  ogf]  
A016061 33.0322  $-(13+3*x)/(x+3)/(-1+x)$  lgdogf  
A016061 4.88593  $[{(6+3*n)*a(n+3)+(-15-2*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1)$

= 3, a(2) = 13}, ogf]  
 A016064 12.2846 [ -(3\*x^2-2\*x+1)/(x-1)/(x^2-4\*x+1) ogf]  
 A016064 12.6954 -(3-4\*x+3\*x^4-4\*x^3-2\*x^2)/(x-1)/(x^2-4\*x+1)/(3\*x^2-2\*x+1)  
 lgdogf  
 A016064 6.63153 [{a(n+3)-5\*a(n+2)+5\*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 13},  
 ogf]  
 A016065 3.00894 [{(n^2+7\*n+12)\*a(n+1)+(-n^2-7\*n-13)\*a(n+2)+a(n+3), a(0) = 1,  
 a(1) = 3, a(2) = 15}, ogf]  
 A016073 5.61848 [[4-x] ogf\_with\_Euler\_transform]  
 A016075 12.1331 [ 1/(9\*x-1)/(10\*x-1)/(11\*x-1)/(8\*x-1) ogf]  
 A016075 7.01302 -2\*(-19+539\*x+15840\*x^3-5073\*x^2)/(9\*x-1)/(10\*x-1)/(11\*x-1)/  
 (-1+8\*x) lgdogf  
 A016084 8.96021 [ (2\*x^4+6\*x^3-4\*x^2+5)/(x^2-x+1)/(x+1)/(x-1)^2 ogf]  
 A016084 9.08639 -(10-8\*x+2\*x^7+3\*x^2+27\*x^3-12\*x^5+14\*x^6)/(x-1)/(x+1)/(x^2-x  
 +1)/(2\*x^4+6\*x^3-4\*x^2+5) lgdogf  
 A016091 7.05380 -(-39+1132\*x+34560\*x^3-10872\*x^2)/(12\*x-1)/(9\*x-1)/(-1+8\*x)/  
 (10\*x-1) lgdogf  
 A016091 8.46117 [ 1/(12\*x-1)/(9\*x-1)/(8\*x-1)/(10\*x-1) ogf]  
 A016092 7.17612 -2\*(-20+595\*x+19008\*x^3-5850\*x^2)/(11\*x-1)/(-1+8\*x)/(12\*x-1)/  
 (9\*x-1) lgdogf  
 A016092 8.60459 [ 1/(11\*x-1)/(8\*x-1)/(12\*x-1)/(9\*x-1) ogf]  
 A016093 7.15248 -(-41+1252\*x+42240\*x^3-12648\*x^2)/(-1+12\*x)/(10\*x-1)/(11\*x-1)/  
 (8\*x-1) lgdogf  
 A016093 8.55273 [ 1/(12\*x-1)/(10\*x-1)/(11\*x-1)/(8\*x-1) ogf]  
 A016094 7.15248 -2\*(-21+659\*x+23760\*x^3-6867\*x^2)/(9\*x-1)/(-1+12\*x)/(10\*x-1)/  
 (11\*x-1) lgdogf  
 A016094 8.55273 [ 1/(9\*x-1)/(12\*x-1)/(10\*x-1)/(11\*x-1) ogf]  
 A016103 12.0454 -(15-148\*x+360\*x^2)/(6\*x-1)/(-1+4\*x)/(5\*x-1) lgdogf  
 A016103 13.2141 [ -1/(6\*x-1)/(4\*x-1)/(5\*x-1) ogf]  
 A016103 4.55275 [{a(n+3)-15\*a(n+2)+74\*a(n+1)-120\*a(n), a(0) = 1, a(1) = 15, a(2)  
 = 151}, ogf]  
 A016109 6.93148 -2\*(-17+431\*x+10080\*x^3-3621\*x^2)/(9\*x-1)/(8\*x-1)/(7\*x-1)/  
 (10\*x-1) lgdogf  
 A016109 8.07876 [ 1/(9\*x-1)/(8\*x-1)/(7\*x-1)/(10\*x-1) ogf]  
 A016111 5.20547 -(65-3370\*x+1801800\*x^4-561096\*x^3+65325\*x^2)/(13\*x-1)/(15\*x-1)/  
 (12\*x-1)/(14\*x-1)/(11\*x-1) lgdogf  
 A016111 6.75106 [ -1/(13\*x-1)/(15\*x-1)/(12\*x-1)/(14\*x-1)/(11\*x-1) ogf]  
 A016116 11.9301 [{-a(n+2)+2\*a(n), a(0) = 1, a(1) = 1}, ogf]  
 A016116 17.4065 1/2\*2^(1/2)\*(-ln(1+2^(1/2))+arcsinh(1+2\*x)) revogf  
 A016116 18.6225 [ -(x+1)/(2\*x^2-1) ogf]  
 A016116 24.9493 -(1+4\*x+2\*x^2)/(1+x)/(2\*x^2-1) lgdogf  
 A016123 13.5847 -1/22\*(-1-12\*x+(1+24\*x+100\*x^2)^(1/2))/x revogf  
 A016123 15.8557 [ 1/(11\*x-1)/(x-1) ogf]  
 A016123 20.1255 -2\*(-6+11\*x)/(11\*x-1)/(x-1) lgdogf  
 A016123 6.52884 [{-a(n+2)+12\*a(n+1)-11\*a(n), a(0) = 1, a(1) = 12}, ogf]  
 A016125 12.2536 -1/24\*(-1-13\*x+(1+26\*x+121\*x^2)^(1/2))/x revogf  
 A016125 14.3279 [ 1/(12\*x-1)/(x-1) ogf]  
 A016125 18.8517 -(-13+24\*x)/(12\*x-1)/(x-1) lgdogf  
 A016125 5.89974 [{-a(n+2)+13\*a(n+1)-12\*a(n), a(0) = 1, a(1) = 13}, ogf]  
 A016127 13.5213 -1/20\*(-1-7\*x+(1+14\*x+9\*x^2)^(1/2))/x revogf  
 A016127 15.0668 [ 1/(5\*x-1)/(2\*x-1) ogf]  
 A016127 18.5291 -(-7+20\*x)/(-1+5\*x)/(2\*x-1) lgdogf  
 A016127 6.17193 [{-a(n+2)+7\*a(n+1)-10\*a(n), a(0) = 1, a(1) = 7}, ogf]  
 A016129 14.1903 -1/24\*(-1-8\*x+(1+16\*x+16\*x^2)^(1/2))/x revogf  
 A016129 16.2122 [ 1/(6\*x-1)/(2\*x-1) ogf]  
 A016129 19.9715 -8\*(-1+3\*x)/(6\*x-1)/(2\*x-1) lgdogf  
 A016129 6.64113 [{-a(n+2)+8\*a(n+1)-12\*a(n), a(0) = 1, a(1) = 8}, ogf]  
 A016130 13.4824 -1/28\*(-1-9\*x+(1+18\*x+25\*x^2)^(1/2))/x revogf  
 A016130 15.4150 [ 1/(7\*x-1)/(2\*x-1) ogf]  
 A016130 19.7051 -(-9+28\*x)/(7\*x-1)/(2\*x-1) lgdogf  
 A016130 6.31458 [{-a(n+2)+9\*a(n+1)-14\*a(n), a(0) = 1, a(1) = 9}, ogf]

A016131 13.2203  $-1/32*(-1-10*x+(2*x+1)^{(1/2)}*(1+18*x)^{(1/2)})/x$  revogf  
A016131 17.7176  $[1/(8*x-1)/(2*x-1)$  ogf]  
A016131 20.9701  $-2*(-5+16*x)/(-1+8*x)/(2*x-1)$  lgdogf  
A016131 7.29548  $[{-a(n+2)+10*a(n+1)-16*a(n), a(0) = 1, a(1) = 10}]$ , ogf]  
A016133 14.4957  $-1/36*(-1-11*x+(1+22*x+49*x^2)^{(1/2)})/x$  revogf  
A016133 16.4889  $[1/(9*x-1)/(2*x-1)$  ogf]  
A016133 20.9382  $-(-11+36*x)/(9*x-1)/(2*x-1)$  lgdogf  
A016133 6.78953  $[{-a(n+2)+11*a(n+1)-18*a(n), a(0) = 1, a(1) = 11}]$ , ogf]  
A016134 13.9331  $-1/40*(-1-12*x+(1+24*x+64*x^2)^{(1/2)})/x$  revogf  
A016134 15.8557  $[1/(10*x-1)/(2*x-1)$  ogf]  
A016134 18.1130  $-4*(-3+10*x)/(10*x-1)/(-1+2*x)$  lgdogf  
A016134 6.52884  $[{-a(n+2)+12*a(n+1)-20*a(n), a(0) = 1, a(1) = 12}]$ , ogf]  
A016135 13.9331  $-1/44*(-1-13*x+(1+26*x+81*x^2)^{(1/2)})/x$  revogf  
A016135 15.8557  $[1/(11*x-1)/(2*x-1)$  ogf]  
A016135 18.7376  $-(-13+44*x)/(11*x-1)/(-1+2*x)$  lgdogf  
A016135 6.52884  $[{-a(n+2)+13*a(n+1)-22*a(n), a(0) = 1, a(1) = 13}]$ , ogf]  
A016136 12.3245  $-1/48*(-1-14*x+(1+28*x+100*x^2)^{(1/2)})/x$  revogf  
A016136 14.4089  $[1/(12*x-1)/(2*x-1)$  ogf]  
A016136 16.9993  $-2*(-7+24*x)/(12*x-1)/(2*x-1)$  lgdogf  
A016136 5.93307  $[{-a(n+2)+14*a(n+1)-24*a(n), a(0) = 1, a(1) = 14}]$ , ogf]  
A016137 14.7358  $-1/36*(-1-9*x+(1+18*x+9*x^2)^{(1/2)})/x$  revogf  
A016137 16.3884  $[1/(6*x-1)/(3*x-1)$  ogf]  
A016137 20.1934  $-9*(-1+4*x)/(6*x-1)/(3*x-1)$  lgdogf  
A016137 6.71333  $[{-a(n+2)+9*a(n+1)-18*a(n), a(0) = 1, a(1) = 9}]$ , ogf]  
A016138 13.3632  $-1/42*(-1-10*x+(1+20*x+16*x^2)^{(1/2)})/x$  revogf  
A016138 15.2270  $[1/(7*x-1)/(3*x-1)$  ogf]  
A016138 6.26993  $[{-a(n+2)+10*a(n+1)-21*a(n), a(0) = 1, a(1) = 10}]$ , ogf]  
A016140 13.9672  $-1/48*(-1-11*x+(1+22*x+25*x^2)^{(1/2)})/x$  revogf  
A016140 15.9000  $[1/(8*x-1)/(3*x-1)$  ogf]  
A016140 6.54705  $[{-a(n+2)+11*a(n+1)-24*a(n), a(0) = 1, a(1) = 11}]$ , ogf]  
A016142 14.5712  $-1/54*(-1-12*x+(1+24*x+36*x^2)^{(1/2)})/x$  revogf  
A016142 16.5730  $[1/(9*x-1)/(3*x-1)$  ogf]  
A016142 21.0473  $-6*(-2+9*x)/(9*x-1)/(3*x-1)$  lgdogf  
A016142 6.82418  $[{-a(n+2)+12*a(n+1)-27*a(n), a(0) = 1, a(1) = 12}]$ , ogf]  
A016145 13.9331  $-1/60*(-1-13*x+(1+26*x+49*x^2)^{(1/2)})/x$  revogf  
A016145 15.8557  $[1/(10*x-1)/(3*x-1)$  ogf]  
A016145 19.4068  $-(-13+60*x)/(10*x-1)/(3*x-1)$  lgdogf  
A016145 6.52884  $[{-a(n+2)+13*a(n+1)-30*a(n), a(0) = 1, a(1) = 13}]$ , ogf]  
A016146 13.9331  $-1/66*(-1-14*x+(1+28*x+64*x^2)^{(1/2)})/x$  revogf  
A016146 15.8557  $[1/(11*x-1)/(3*x-1)$  ogf]  
A016146 18.7376  $-2*(-7+33*x)/(11*x-1)/(3*x-1)$  lgdogf  
A016146 6.52884  $[{-a(n+2)+14*a(n+1)-33*a(n), a(0) = 1, a(1) = 14}]$ , ogf]  
A016147 10.7169  $-1/72*(-1-15*x+(1+27*x)^{(1/2)}*(1+3*x)^{(1/2)})/x$  revogf  
A016147 14.4089  $[1/(12*x-1)/(3*x-1)$  ogf]  
A016147 16.9993  $-3*(-5+24*x)/(12*x-1)/(3*x-1)$  lgdogf  
A016147 5.93307  $[{-a(n+2)+15*a(n+1)-36*a(n), a(0) = 1, a(1) = 15}]$ , ogf]  
A016149 13.0950  $-1/48*(-1-10*x+(1+20*x+4*x^2)^{(1/2)})/x$  revogf  
A016149 14.5539  $[1/(6*x-1)/(4*x-1)$  ogf]  
A016149 17.7718  $-2*(-5+24*x)/(6*x-1)/(4*x-1)$  lgdogf  
A016149 5.99280  $[{-a(n+2)+10*a(n+1)-24*a(n), a(0) = 1, a(1) = 10}]$ , ogf]  
A016150 13.7924  $-1/56*(-1-11*x+(1+22*x+9*x^2)^{(1/2)})/x$  revogf  
A016150 15.3111  $[1/(7*x-1)/(4*x-1)$  ogf]  
A016150 19.4115  $-(-11+56*x)/(7*x-1)/(4*x-1)$  lgdogf  
A016150 6.30456  $[{-a(n+2)+11*a(n+1)-28*a(n), a(0) = 1, a(1) = 11}]$ , ogf]  
A016152 14.5178  $-1/64*(-1-12*x+(1+24*x+16*x^2)^{(1/2)})/x$  revogf  
A016152 16.4337  $[x/(8*x-1)/(4*x-1)$  ogf]  
A016152 19.5239  $-4*(-3+16*x)/(8*x-1)/(-1+4*x)$  lgdogf  
A016152 6.92988  $[{a(n+2)-12*a(n+1)+32*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A016153 13.4127  $-1/72*(-1-13*x+(1+x)^{(1/2)}*(1+25*x)^{(1/2)})/x$  revogf  
A016153 17.1185  $[x/(9*x-1)/(4*x-1)$  ogf]  
A016153 21.8577  $-(-13+72*x)/(9*x-1)/(4*x-1)$  lgdogf



A016153 7.21863  $[ \{ a(n+2) - 13a(n+1) + 36a(n), a(0) = 0, a(1) = 1 \}, \text{ogf}]$   
A016157 13.9331  $-1/80 * (-1 - 14x + (1 + 28x + 36x^2)^{(1/2)}) / x \text{ revogf}$   
A016157 15.8557  $[ 1 / (10x - 1) / (4x - 1) \text{ ogf}]$   
A016157 18.1130  $-2 * (-7 + 40x) / (10x - 1) / (-1 + 4x) \text{ lgdogf}$   
A016157 6.52884  $[ \{-a(n+2) + 14a(n+1) - 40a(n), a(0) = 1, a(1) = 14\}, \text{ogf}]$   
A016158 13.9331  $-1/88 * (-1 - 15x + (1 + 30x + 49x^2)^{(1/2)}) / x \text{ revogf}$   
A016158 15.8557  $[ 1 / (11x - 1) / (4x - 1) \text{ ogf}]$   
A016158 18.7376  $-(-15 + 88x) / (11x - 1) / (-1 + 4x) \text{ lgdogf}$   
A016158 6.52884  $[ \{-a(n+2) + 15a(n+1) - 44a(n), a(0) = 1, a(1) = 15\}, \text{ogf}]$   
A016159 12.7131  $-1/96 * (-1 - 16x + (1 + 32x + 64x^2)^{(1/2)}) / x \text{ revogf}$   
A016159 14.4899  $[ 1 / (12x - 1) / (4x - 1) \text{ ogf}]$   
A016159 17.7076  $-16 * (6x - 1) / (12x - 1) / (4x - 1) \text{ lgdogf}$   
A016159 5.96641  $[ \{-a(n+2) + 16a(n+1) - 48a(n), a(0) = 1, a(1) = 16\}, \text{ogf}]$   
A016160 4.04217  $[ x / (6x - 1) / (5x - 1) \text{ ogf}]$   
A016161 14.0248  $-1/70 * (-1 - 12x + (1 + 24x + 4x^2)^{(1/2)}) / x \text{ revogf}$   
A016161 15.5635  $[ 1 / (7x - 1) / (5x - 1) \text{ ogf}]$   
A016161 19.0337  $-2 * (-6 + 35x) / (7x - 1) / (5x - 1) \text{ lgdogf}$   
A016161 6.40848  $[ \{-a(n+2) + 12a(n+1) - 35a(n), a(0) = 1, a(1) = 12\}, \text{ogf}]$   
A016162 14.6447  $-1/80 * (-1 - 13x + (1 + 26x + 9x^2)^{(1/2)}) / x \text{ revogf}$   
A016162 16.2365  $[ 1 / (8x - 1) / (5x - 1) \text{ ogf}]$   
A016162 20.6111  $-(-13 + 80x) / (8x - 1) / (5x - 1) \text{ lgdogf}$   
A016162 6.68561  $[ \{-a(n+2) + 13a(n+1) - 40a(n), a(0) = 1, a(1) = 13\}, \text{ogf}]$   
A016163 14.8732  $-1/90 * (-1 - 14x + (1 + 28x + 16x^2)^{(1/2)}) / x \text{ revogf}$   
A016163 16.9095  $[ 1 / (9x - 1) / (5x - 1) \text{ ogf}]$   
A016163 20.7162  $-2 * (-7 + 45x) / (9x - 1) / (5x - 1) \text{ lgdogf}$   
A016163 6.96273  $[ \{-a(n+2) + 14a(n+1) - 45a(n), a(0) = 1, a(1) = 14\}, \text{ogf}]$   
A016164 13.5847  $-1/100 * (-1 - 15x + (1 + 30x + 25x^2)^{(1/2)}) / x \text{ revogf}$   
A016164 15.8557  $[ 1 / (10x - 1) / (5x - 1) \text{ ogf}]$   
A016164 18.7376  $-5 * (-3 + 20x) / (10x - 1) / (5x - 1) \text{ lgdogf}$   
A016164 6.52884  $[ \{-a(n+2) + 15a(n+1) - 50a(n), a(0) = 1, a(1) = 15\}, \text{ogf}]$   
A016165 13.5847  $-1/110 * (-1 - 16x + (1 + 32x + 36x^2)^{(1/2)}) / x \text{ revogf}$   
A016165 15.8557  $[ 1 / (11x - 1) / (5x - 1) \text{ ogf}]$   
A016165 18.7376  $-2 * (-8 + 55x) / (11x - 1) / (5x - 1) \text{ lgdogf}$   
A016165 6.52884  $[ \{-a(n+2) + 16a(n+1) - 55a(n), a(0) = 1, a(1) = 16\}, \text{ogf}]$   
A016166 12.4661  $-1/120 * (-1 - 17x + (1 + 34x + 49x^2)^{(1/2)}) / x \text{ revogf}$   
A016166 17.1947  $-(-17 + 120x) / (12x - 1) / (5x - 1) \text{ lgdogf}$   
A016166 20.7989  $[ 1 / (12x - 1) / (5x - 1) \text{ ogf}]$   
A016166 8.56426  $[ \{-a(n+2) + 17a(n+1) - 60a(n), a(0) = 1, a(1) = 17\}, \text{ogf}]$   
A016169 15.6444  $-1/84 * (-1 - 13x + (1 + 26x + x^2)^{(1/2)}) / x \text{ revogf}$   
A016169 16.3481  $[ x / (7x - 1) / (6x - 1) \text{ ogf}]$   
A016169 20.8592  $-(-13 + 84x) / (7x - 1) / (6x - 1) \text{ lgdogf}$   
A016169 6.89378  $[ \{ a(n+2) - 13a(n+1) + 42a(n), a(0) = 0, a(1) = 1 \}, \text{ogf}]$   
A016170 14.9547  $-1/96 * (-1 - 14x + (1 + 28x + 4x^2)^{(1/2)}) / x \text{ revogf}$   
A016170 16.5730  $[ 1 / (8x - 1) / (6x - 1) \text{ ogf}]$   
A016170 19.5958  $-2 * (-7 + 48x) / (-1 + 8x) / (6x - 1) \text{ lgdogf}$   
A016170 6.82418  $[ \{-a(n+2) + 14a(n+1) - 48a(n), a(0) = 1, a(1) = 14\}, \text{ogf}]$   
A016172 13.4143  $-1/108 * (-1 - 15x + (1 + 30x + 9x^2)^{(1/2)}) / x \text{ revogf}$   
A016172 15.2777  $[ 1 / (9x - 1) / (6x - 1) \text{ ogf}]$   
A016172 18.6842  $-3 * (-5 + 36x) / (9x - 1) / (6x - 1) \text{ lgdogf}$   
A016172 6.29080  $[ \{-a(n+2) + 15a(n+1) - 54a(n), a(0) = 1, a(1) = 15\}, \text{ogf}]$   
A016173 13.5847  $-1/120 * (-1 - 16x + (1 + 32x + 16x^2)^{(1/2)}) / x \text{ revogf}$   
A016173 15.8557  $[ 1 / (10x - 1) / (6x - 1) \text{ ogf}]$   
A016173 18.7376  $-8 * (-2 + 15x) / (10x - 1) / (6x - 1) \text{ lgdogf}$   
A016173 6.52884  $[ \{-a(n+2) + 16a(n+1) - 60a(n), a(0) = 1, a(1) = 16\}, \text{ogf}]$   
A016174 13.7293  $-1/132 * (-1 - 17x + (1 + 34x + 25x^2)^{(1/2)}) / x \text{ revogf}$   
A016174 16.0209  $[ 1 / (11x - 1) / (6x - 1) \text{ ogf}]$   
A016174 18.9369  $-(-17 + 132x) / (11x - 1) / (6x - 1) \text{ lgdogf}$   
A016174 6.59685  $[ \{-a(n+2) + 17a(n+1) - 66a(n), a(0) = 1, a(1) = 17\}, \text{ogf}]$   
A016175 12.5370  $-1/144 * (-1 - 18x + (1 + 36x + 36x^2)^{(1/2)}) / x \text{ revogf}$   
A016175 14.6517  $[ 1 / (12x - 1) / (6x - 1) \text{ ogf}]$   
A016175 6.03307  $[ \{-a(n+2) + 18a(n+1) - 72a(n), a(0) = 1, a(1) = 18\}, \text{ogf}]$

A016177 16.1122  $-1/112*(-1-15*x+(1+30*x+x^2)^{(1/2)})/x$  revogf  
A016177 17.2896  $[x/(8*x-1)/(7*x-1)$  ogf]  
A016177 21.2911  $-(-15+112*x)/(8*x-1)/(7*x-1)$  lgdogf  
A016177 7.29081  $[{a(n+2)-15*a(n+1)+56*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A016178 13.7107  $-1/126*(-1-16*x+(1+32*x+4*x^2)^{(1/2)})/x$  revogf  
A016178 15.6080  $[1/(9*x-1)/(7*x-1)$  ogf]  
A016178 6.42682  $[{-a(n+2)+16*a(n+1)-63*a(n), a(0) = 1, a(1) = 16}]$ , ogf]  
A016181 13.9331  $-1/140*(-1-17*x+(1+34*x+9*x^2)^{(1/2)})/x$  revogf  
A016181 15.8557  $[1/(10*x-1)/(7*x-1)$  ogf]  
A016181 18.7376  $-(-17+140*x)/(10*x-1)/(7*x-1)$  lgdogf  
A016181 6.52884  $[{-a(n+2)+17*a(n+1)-70*a(n), a(0) = 1, a(1) = 17}]$ , ogf]  
A016183 12.1828  $-1/154*(-1-18*x+(1+36*x+16*x^2)^{(1/2)})/x$  revogf  
A016183 14.2470  $[1/(11*x-1)/(7*x-1)$  ogf]  
A016183 16.8039  $-2*(-9+77*x)/(11*x-1)/(7*x-1)$  lgdogf  
A016183 5.86641  $[{-a(n+2)+18*a(n+1)-77*a(n), a(0) = 1, a(1) = 18}]$ , ogf]  
A016184 12.6078  $-1/168*(-1-19*x+(1+38*x+25*x^2)^{(1/2)})/x$  revogf  
A016184 14.7327  $[1/(12*x-1)/(7*x-1)$  ogf]  
A016184 16.8104  $-(-19+168*x)/(-1+12*x)/(7*x-1)$  lgdogf  
A016184 6.06640  $[{-a(n+2)+19*a(n+1)-84*a(n), a(0) = 1, a(1) = 19}]$ , ogf]  
A016185 15.1201  $-1/144*(-1-17*x+(1+34*x+x^2)^{(1/2)})/x$  revogf  
A016185 16.2365  $[x/(9*x-1)/(8*x-1)$  ogf]  
A016185 19.9801  $-(-17+144*x)/(9*x-1)/(8*x-1)$  lgdogf  
A016185 6.84671  $[{a(n+2)-17*a(n+1)+72*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A016186 13.9331  $-1/160*(-1-18*x+(1+36*x+4*x^2)^{(1/2)})/x$  revogf  
A016186 15.8557  $[1/(10*x-1)/(8*x-1)$  ogf]  
A016186 18.1130  $-2*(-9+80*x)/(10*x-1)/(-1+8*x)$  lgdogf  
A016186 6.52884  $[{-a(n+2)+18*a(n+1)-80*a(n), a(0) = 1, a(1) = 18}]$ , ogf]  
A016187 12.7131  $-1/176*(-1-19*x+(1+38*x+9*x^2)^{(1/2)})/x$  revogf  
A016187 14.4899  $[1/(11*x-1)/(8*x-1)$  ogf]  
A016187 16.5271  $-(-19+176*x)/(11*x-1)/(-1+8*x)$  lgdogf  
A016187 5.96641  $[{-a(n+2)+19*a(n+1)-88*a(n), a(0) = 1, a(1) = 19}]$ , ogf]  
A016188 12.6786  $-1/192*(-1-20*x+(1+40*x+16*x^2)^{(1/2)})/x$  revogf  
A016188 14.8136  $[1/(12*x-1)/(8*x-1)$  ogf]  
A016188 16.9048  $-4*(-5+48*x)/(-1+12*x)/(8*x-1)$  lgdogf  
A016188 6.09973  $[{-a(n+2)+20*a(n+1)-96*a(n), a(0) = 1, a(1) = 20}]$ , ogf]  
A016189 15.1201  $-1/180*(-1-19*x+(1+38*x+x^2)^{(1/2)})/x$  revogf  
A016189 19.2912  $-(-19+180*x)/(10*x-1)/(9*x-1)$  lgdogf  
A016189 22.6087  $[x/(10*x-1)/(9*x-1)$  ogf]  
A016189 9.53381  $[{a(n+2)-19*a(n+1)+90*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A016190 12.8584  $-1/198*(-1-20*x+(1+40*x+4*x^2)^{(1/2)})/x$  revogf  
A016190 14.6517  $[1/(11*x-1)/(9*x-1)$  ogf]  
A016190 6.03307  $[{-a(n+2)+20*a(n+1)-99*a(n), a(0) = 1, a(1) = 20}]$ , ogf]  
A016191 13.0764  $-1/216*(-1-21*x+(1+42*x+9*x^2)^{(1/2)})/x$  revogf  
A016191 14.4809  $[1/(12*x-1)/(9*x-1)$  ogf]  
A016191 17.5854  $-3*(-7+72*x)/(12*x-1)/(9*x-1)$  lgdogf  
A016191 6.06176  $[{-a(n+2)+21*a(n+1)-108*a(n), a(0) = 1, a(1) = 21}]$ , ogf]  
A016195 14.1394  $-1/220*(-1-21*x+(1+42*x+x^2)^{(1/2)})/x$  revogf  
A016195 14.7730  $[x/(11*x-1)/(10*x-1)$  ogf]  
A016195 16.8760  $-(-21+220*x)/(11*x-1)/(-1+10*x)$  lgdogf  
A016195 6.33129  $[{a(n+2)-21*a(n+1)+110*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A016196 13.1490  $-1/240*(-1-22*x+(1+44*x+4*x^2)^{(1/2)})/x$  revogf  
A016196 14.5596  $[1/(12*x-1)/(10*x-1)$  ogf]  
A016196 15.5397  $-2*(-11+120*x)/(12*x-1)/(-1+10*x)$  lgdogf  
A016196 6.09470  $[{-a(n+2)+22*a(n+1)-120*a(n), a(0) = 1, a(1) = 22}]$ , ogf]  
A016197 14.5300  $-1/264*(-1-23*x+(1+46*x+x^2)^{(1/2)})/x$  revogf  
A016197 15.1744  $[x/(12*x-1)/(11*x-1)$  ogf]  
A016197 17.3422  $-(-23+264*x)/(-1+12*x)/(11*x-1)$  lgdogf  
A016197 6.50333  $[{a(n+2)-23*a(n+1)+132*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A016198 18.2157  $-2*(3*x-1)*(5*x-4)/(x-1)/(2*x-1)/(-1+5*x)$  lgdogf  
A016198 19.4757  $[1/(x-1)/(2*x-1)/(5*x-1)$  ogf]  
A016198 6.60482  $[{a(n+3)-8*a(n+2)+17*a(n+1)-10*a(n), a(0) = 1, a(1) = 8, a(2) =$

47}, ogf]

A016200 14.2873 [  $-1/(x-1)/(6*x-1)/(2*x-1)$  ogf]

A016200 14.3480  $-(9-40*x+36*x^2)/(x-1)/(6*x-1)/(2*x-1)$  lgdogf

A016200 4.84527 [  $\{a(n+3)-9*a(n+2)+20*a(n+1)-12*a(n), a(0) = 1, a(1) = 9, a(2) = 61\}$ , ogf]

A016201 12.9555  $-2*(5-23*x+21*x^2)/(x-1)/(2*x-1)/(7*x-1)$  lgdogf

A016201 13.2500 [  $-1/(x-1)/(2*x-1)/(7*x-1)$  ogf]

A016201 4.52991 [  $\{a(n+3)-10*a(n+2)+23*a(n+1)-14*a(n), a(0) = 1, a(1) = 10, a(2) = 77\}$ , ogf]

A016203 13.9125 [  $-1/(x-1)/(8*x-1)/(2*x-1)$  ogf]

A016203 4.75640 [  $\{a(n+3)-11*a(n+2)+26*a(n+1)-16*a(n), a(0) = 1, a(1) = 11, a(2) = 95\}$ , ogf]

A016204 13.8604  $-2*(6-29*x+27*x^2)/(x-1)/(-1+2*x)/(9*x-1)$  lgdogf

A016204 14.5014 [  $-1/(x-1)/(2*x-1)/(9*x-1)$  ogf]

A016204 4.91572 [  $\{a(n+3)-12*a(n+2)+29*a(n+1)-18*a(n), a(0) = 1, a(1) = 12, a(2) = 115\}$ , ogf]

A016205 13.2534  $-(13-64*x+60*x^2)/(x-1)/(-1+2*x)/(10*x-1)$  lgdogf

A016205 13.8738 [  $-1/(x-1)/(2*x-1)/(10*x-1)$  ogf]

A016205 4.70297 [  $\{a(n+3)-13*a(n+2)+32*a(n+1)-20*a(n), a(0) = 1, a(1) = 13, a(2) = 137\}$ , ogf]

A016206 12.9378  $-2*(7-35*x+33*x^2)/(x-1)/(-1+2*x)/(11*x-1)$  lgdogf

A016206 13.8738 [  $-1/(x-1)/(2*x-1)/(11*x-1)$  ogf]

A016206 4.70297 [  $\{a(n+3)-14*a(n+2)+35*a(n+1)-22*a(n), a(0) = 1, a(1) = 14, a(2) = 161\}$ , ogf]

A016207 12.3245  $-(15-76*x+72*x^2)/(x-1)/(2*x-1)/(12*x-1)$  lgdogf

A016207 12.6078 [  $-1/(x-1)/(2*x-1)/(12*x-1)$  ogf]

A016207 4.27382 [  $\{a(n+3)-15*a(n+2)+38*a(n+1)-24*a(n), a(0) = 1, a(1) = 15, a(2) = 187\}$ , ogf]

A016208 19.5609 [  $-1/(x-1)/(3*x-1)/(4*x-1)$  ogf]

A016208 6.63370 [  $\{a(n+3)-8*a(n+2)+19*a(n+1)-12*a(n), a(0) = 1, a(1) = 8, a(2) = 45\}$ , ogf]

A016209 13.3656 [  $-1/(x-1)/(3*x-1)/(5*x-1)$  ogf]

A016209 13.4020  $-(9-46*x+45*x^2)/(x-1)/(3*x-1)/(5*x-1)$  lgdogf

A016209 4.53267 [  $\{a(n+3)-9*a(n+2)+23*a(n+1)-15*a(n), a(0) = 1, a(1) = 9, a(2) = 58\}$ , ogf]

A016211 12.3666  $-2*(5-27*x+27*x^2)/(x-1)/(6*x-1)/(3*x-1)$  lgdogf

A016211 12.6611 [  $-1/(x-1)/(6*x-1)/(3*x-1)$  ogf]

A016211 4.32858 [  $\{a(n+3)-10*a(n+2)+27*a(n+1)-18*a(n), a(0) = 1, a(1) = 10, a(2) = 73\}$ , ogf]

A016212 13.3236 [  $-1/(x-1)/(3*x-1)/(7*x-1)$  ogf]

A016212 4.55508 [  $\{a(n+3)-11*a(n+2)+31*a(n+1)-21*a(n), a(0) = 1, a(1) = 11, a(2) = 90\}$ , ogf]

A016214 13.4295  $-2*(9*x-2)*(4*x-3)/(x-1)/(3*x-1)/(-1+8*x)$  lgdogf

A016214 14.0597 [  $-1/(x-1)/(3*x-1)/(8*x-1)$  ogf]

A016214 4.76600 [  $\{a(n+3)-12*a(n+2)+35*a(n+1)-24*a(n), a(0) = 1, a(1) = 12, a(2) = 109\}$ , ogf]

A016215 16.7322  $-2*(7-43*x+45*x^2)/(x-1)/(3*x-1)/(10*x-1)$  lgdogf

A016215 17.4501 [  $-1/(x-1)/(3*x-1)/(10*x-1)$  ogf]

A016215 5.91530 [  $\{a(n+3)-14*a(n+2)+43*a(n+1)-30*a(n), a(0) = 1, a(1) = 14, a(2) = 153\}$ , ogf]

A016216 17.1506  $-(15-94*x+99*x^2)/(x-1)/(3*x-1)/(11*x-1)$  lgdogf

A016216 17.4501 [  $-1/(x-1)/(3*x-1)/(11*x-1)$  ogf]

A016216 5.91530 [  $\{a(n+3)-15*a(n+2)+47*a(n+1)-33*a(n), a(0) = 1, a(1) = 15, a(2) = 178\}$ , ogf]

A016217 17.3898  $-2*(8-51*x+54*x^2)/(x-1)/(3*x-1)/(12*x-1)$  lgdogf

A016217 18.1242 [  $-1/(x-1)/(3*x-1)/(12*x-1)$  ogf]

A016217 6.14379 [  $\{a(n+3)-16*a(n+2)+51*a(n+1)-36*a(n), a(0) = 1, a(1) = 16, a(2) = 205\}$ , ogf]

A016218 17.7939  $-2*(5-29*x+30*x^2)/(x-1)/(4*x-1)/(5*x-1)$  lgdogf

A016218 18.1074 [  $-1/(x-1)/(4*x-1)/(5*x-1)$  ogf]

A016218 6.19058 [  $\{a(n+3)-10*a(n+2)+29*a(n+1)-20*a(n), a(0) = 1, a(1) = 10, a(2) = 115\}$ , ogf]

= 71}], ogf]  
 A016222 12.8083  $[-1/(x-1)/(6*x-1)/(4*x-1)$  ogf]  
 A016222 12.8347  $-(11-68*x+72*x^2)/(x-1)/(6*x-1)/(4*x-1)$  lgdogf  
 A016222 4.37891  $[{a(n+3)-11*a(n+2)+34*a(n+1)-24*a(n), a(0) = 1, a(1) = 11, a(2) = 87}],$  ogf]  
 A016223 12.9268  $-6*(2-13*x+14*x^2)/(x-1)/(7*x-1)/(-1+4*x)$  lgdogf  
 A016223 18.6235  $[-1/(x-1)/(7*x-1)/(4*x-1)$  ogf]  
 A016223 6.31306  $[{a(n+3)-12*a(n+2)+39*a(n+1)-28*a(n), a(0) = 1, a(1) = 12, a(2) = 105}],$  ogf]  
 A016224 13.5732  $-(13-88*x+96*x^2)/(-1+x)/(8*x-1)/(-1+4*x)$  lgdogf  
 A016224 14.2069  $[-1/(x-1)/(8*x-1)/(4*x-1)$  ogf]  
 A016224 4.81591  $[{a(n+3)-13*a(n+2)+44*a(n+1)-32*a(n), a(0) = 1, a(1) = 13, a(2) = 125}],$  ogf]  
 A016225 12.9378  $-3*(5-36*x+40*x^2)/(x-1)/(-1+4*x)/(10*x-1)$  lgdogf  
 A016225 13.8738  $[-1/(x-1)/(4*x-1)/(10*x-1)$  ogf]  
 A016225 4.70297  $[{a(n+3)-15*a(n+2)+54*a(n+1)-40*a(n), a(0) = 1, a(1) = 15, a(2) = 171}],$  ogf]  
 A016226 12.6370  $-2*(6*x-1)*(11*x-8)/(x-1)/(-1+4*x)/(11*x-1)$  lgdogf  
 A016226 13.8738  $[-1/(x-1)/(4*x-1)/(11*x-1)$  ogf]  
 A016226 4.70297  $[{a(n+3)-16*a(n+2)+59*a(n+1)-44*a(n), a(0) = 1, a(1) = 16, a(2) = 197}],$  ogf]  
 A016227 11.8725  $-(17-128*x+144*x^2)/(x-1)/(12*x-1)/(4*x-1)$  lgdogf  
 A016227 12.7494  $[-1/(x-1)/(12*x-1)/(4*x-1)$  ogf]  
 A016227 4.32185  $[{a(n+3)-17*a(n+2)+64*a(n+1)-48*a(n), a(0) = 1, a(1) = 17, a(2) = 225}],$  ogf]  
 A016228 17.6189  $-2*(6-41*x+45*x^2)/(x-1)/(6*x-1)/(5*x-1)$  lgdogf  
 A016228 17.9280  $[-1/(x-1)/(6*x-1)/(5*x-1)$  ogf]  
 A016228 6.07730  $[{a(n+3)-12*a(n+2)+41*a(n+1)-30*a(n), a(0) = 1, a(1) = 12, a(2) = 103}],$  ogf]  
 A016230 13.1423  $-(13-94*x+105*x^2)/(x-1)/(-1+7*x)/(5*x-1)$  lgdogf  
 A016230 13.7652  $[-1/(x-1)/(7*x-1)/(5*x-1)$  ogf]  
 A016230 4.66619  $[{a(n+3)-13*a(n+2)+47*a(n+1)-35*a(n), a(0) = 1, a(1) = 13, a(2) = 122}],$  ogf]  
 A016233 14.0597  $-2*(7-53*x+60*x^2)/(x-1)/(8*x-1)/(5*x-1)$  lgdogf  
 A016233 14.3542  $[-1/(x-1)/(8*x-1)/(5*x-1)$  ogf]  
 A016233 4.86581  $[{a(n+3)-14*a(n+2)+53*a(n+1)-40*a(n), a(0) = 1, a(1) = 14, a(2) = 143}],$  ogf]  
 A016234 12.6189  $-(15-118*x+135*x^2)/(x-1)/(9*x-1)/(5*x-1)$  lgdogf  
 A016234 13.2234  $[-1/(x-1)/(9*x-1)/(5*x-1)$  ogf]  
 A016234 4.48253  $[{a(n+3)-15*a(n+2)+59*a(n+1)-45*a(n), a(0) = 1, a(1) = 15, a(2) = 166}],$  ogf]  
 A016237 13.2534  $-2*(8-65*x+75*x^2)/(x-1)/(5*x-1)/(10*x-1)$  lgdogf  
 A016237 17.4501  $[-1/(x-1)/(5*x-1)/(10*x-1)$  ogf]  
 A016237 5.91530  $[{a(n+3)-16*a(n+2)+65*a(n+1)-50*a(n), a(0) = 1, a(1) = 16, a(2) = 191}],$  ogf]  
 A016238 12.7042  $-(17-142*x+165*x^2)/(-1+x)/(5*x-1)/(11*x-1)$  lgdogf  
 A016238 13.9460  $[-1/(x-1)/(5*x-1)/(11*x-1)$  ogf]  
 A016238 4.72747  $[{a(n+3)-17*a(n+2)+71*a(n+1)-55*a(n), a(0) = 1, a(1) = 17, a(2) = 218}],$  ogf]  
 A016239 12.1621  $-2*(9-77*x+90*x^2)/(x-1)/(5*x-1)/(12*x-1)$  lgdogf  
 A016239 12.7494  $[-1/(x-1)/(5*x-1)/(12*x-1)$  ogf]  
 A016239 4.32185  $[{a(n+3)-18*a(n+2)+77*a(n+1)-60*a(n), a(0) = 1, a(1) = 18, a(2) = 247}],$  ogf]  
 A016241 17.0493  $-2*(7-55*x+63*x^2)/(x-1)/(6*x-1)/(7*x-1)$  lgdogf  
 A016241 17.3538  $[-1/(x-1)/(6*x-1)/(7*x-1)$  ogf]  
 A016241 5.88264  $[{a(n+3)-14*a(n+2)+55*a(n+1)-42*a(n), a(0) = 1, a(1) = 14, a(2) = 141}],$  ogf]  
 A016243 13.6706  $-(15-124*x+144*x^2)/(x-1)/(6*x-1)/(-1+8*x)$  lgdogf  
 A016243 14.6486  $[-1/(x-1)/(6*x-1)/(8*x-1)$  ogf]  
 A016243 4.96563  $[{a(n+3)-15*a(n+2)+62*a(n+1)-48*a(n), a(0) = 1, a(1) = 15, a(2) = 163}],$  ogf]

A016244 13.1512  $-2*(8-69*x+81*x^2)/(x-1)/(6*x-1)/(9*x-1)$  lgdogf  
A016244 13.4402 [  $-1/(x-1)/(6*x-1)/(9*x-1)$  ogf]  
A016244 4.55601 [  $\{a(n+3)-16*a(n+2)+69*a(n+1)-54*a(n), a(0) = 1, a(1) = 16, a(2) = 187\}$ , ogf]  
A016246 12.9378  $-(17-152*x+180*x^2)/(x-1)/(6*x-1)/(10*x-1)$  lgdogf  
A016246 13.8738 [  $-1/(x-1)/(6*x-1)/(10*x-1)$  ogf]  
A016246 4.70297 [  $\{a(n+3)-17*a(n+2)+76*a(n+1)-60*a(n), a(0) = 1, a(1) = 17, a(2) = 213\}$ , ogf]  
A016247 13.4649  $-2*(9-83*x+99*x^2)/(x-1)/(6*x-1)/(11*x-1)$  lgdogf  
A016247 14.0906 [  $-1/(x-1)/(6*x-1)/(11*x-1)$  ogf]  
A016247 4.77646 [  $\{a(n+3)-18*a(n+2)+83*a(n+1)-66*a(n), a(0) = 1, a(1) = 18, a(2) = 241\}$ , ogf]  
A016248 12.8203 [  $-1/(x-1)/(6*x-1)/(12*x-1)$  ogf]  
A016248 4.34586 [  $\{a(n+3)-19*a(n+2)+90*a(n+1)-72*a(n), a(0) = 1, a(1) = 19, a(2) = 271\}$ , ogf]  
A016249 18.1149  $-2*(8-71*x+84*x^2)/(x-1)/(8*x-1)/(7*x-1)$  lgdogf  
A016249 18.4194 [  $-1/(x-1)/(8*x-1)/(7*x-1)$  ogf]  
A016249 6.24385 [  $\{a(n+3)-16*a(n+2)+71*a(n+1)-56*a(n), a(0) = 1, a(1) = 16, a(2) = 185\}$ , ogf]  
A016250 13.1124  $-(17-158*x+189*x^2)/(x-1)/(7*x-1)/(9*x-1)$  lgdogf  
A016250 17.1506 [  $-1/(x-1)/(7*x-1)/(9*x-1)$  ogf]  
A016250 5.81375 [  $\{a(n+3)-17*a(n+2)+79*a(n+1)-63*a(n), a(0) = 1, a(1) = 17, a(2) = 210\}$ , ogf]  
A016252 13.2534  $-6*(3-29*x+35*x^2)/(x-1)/(7*x-1)/(10*x-1)$  lgdogf  
A016252 13.8738 [  $-1/(x-1)/(7*x-1)/(10*x-1)$  ogf]  
A016252 4.70297 [  $\{a(n+3)-18*a(n+2)+87*a(n+1)-70*a(n), a(0) = 1, a(1) = 18, a(2) = 237\}$ , ogf]  
A016254 11.6701  $-(19-190*x+231*x^2)/(x-1)/(7*x-1)/(11*x-1)$  lgdogf  
A016254 12.5370 [  $-1/(x-1)/(7*x-1)/(11*x-1)$  ogf]  
A016254 4.24981 [  $\{a(n+3)-19*a(n+2)+95*a(n+1)-77*a(n), a(0) = 1, a(1) = 19, a(2) = 266\}$ , ogf]  
A016255 11.2069  $-2*(10-103*x+126*x^2)/(x-1)/(7*x-1)/(-1+12*x)$  lgdogf  
A016255 12.5767 [  $-1/(x-1)/(7*x-1)/(12*x-1)$  ogf]  
A016255 4.33314 [  $\{a(n+3)-20*a(n+2)+103*a(n+1)-84*a(n), a(0) = 1, a(1) = 20, a(2) = 297\}$ , ogf]  
A016256 16.3339  $-2*(9-89*x+108*x^2)/(x-1)/(-1+8*x)/(9*x-1)$  lgdogf  
A016256 17.4501 [  $-1/(x-1)/(8*x-1)/(9*x-1)$  ogf]  
A016256 5.91530 [  $\{a(n+3)-18*a(n+2)+89*a(n+1)-72*a(n), a(0) = 1, a(1) = 18, a(2) = 235\}$ , ogf]  
A016257 12.6370  $-(19-196*x+240*x^2)/(x-1)/(-1+8*x)/(10*x-1)$  lgdogf  
A016257 13.8738 [  $-1/(x-1)/(8*x-1)/(10*x-1)$  ogf]  
A016257 4.70297 [  $\{a(n+3)-19*a(n+2)+98*a(n+1)-80*a(n), a(0) = 1, a(1) = 19, a(2) = 263\}$ , ogf]  
A016259 11.0810  $-2*(10-107*x+132*x^2)/(x-1)/(11*x-1)/(-1+8*x)$  lgdogf  
A016259 12.4385 [  $-1/(x-1)/(11*x-1)/(8*x-1)$  ogf]  
A016259 4.28553 [  $\{a(n+3)-20*a(n+2)+107*a(n+1)-88*a(n), a(0) = 1, a(1) = 20, a(2) = 293\}$ , ogf]  
A016260 11.7941  $-(21-232*x+288*x^2)/(x-1)/(8*x-1)/(-1+12*x)$  lgdogf  
A016260 12.6458 [  $-1/(x-1)/(8*x-1)/(12*x-1)$  ogf]  
A016260 4.35695 [  $\{a(n+3)-21*a(n+2)+116*a(n+1)-96*a(n), a(0) = 1, a(1) = 21, a(2) = 325\}$ , ogf]  
A016261 15.5914  $-2*(10-109*x+135*x^2)/(x-1)/(9*x-1)/(10*x-1)$  lgdogf  
A016261 17.0245 [  $-1/(x-1)/(9*x-1)/(10*x-1)$  ogf]  
A016261 5.86559 [  $\{a(n+3)-20*a(n+2)+109*a(n+1)-90*a(n), a(0) = 1, a(1) = 20, a(2) = 291\}$ , ogf]  
A016262 12.0074  $-(21-238*x+297*x^2)/(x-1)/(9*x-1)/(11*x-1)$  lgdogf  
A016262 17.9013 [  $-1/(x-1)/(9*x-1)/(11*x-1)$  ogf]  
A016262 6.16768 [  $\{a(n+3)-21*a(n+2)+119*a(n+1)-99*a(n), a(0) = 1, a(1) = 21, a(2) = 322\}$ , ogf]  
A016263 11.5904  $-2*(11-129*x+162*x^2)/(x-1)/(12*x-1)/(9*x-1)$  lgdogf  
A016263 12.4122 [  $-1/(x-1)/(12*x-1)/(9*x-1)$  ogf]

A016263 4.34426 [ $\{a(n+3)-22a(n+2)+129a(n+1)-108a(n), a(0) = 1, a(1) = 22, a(2) = 355\}$ ], ogf]  
A016265 11.0865  $-2*(11-131*x+165*x^2)/(x-1)/(-1+10*x)/(11*x-1)$  lgdogf  
A016265 12.4122 [  $-1/(x-1)/(10*x-1)/(11*x-1)$  ogf]  
A016265 4.34426 [ $\{a(n+3)-22a(n+2)+131a(n+1)-110a(n), a(0) = 1, a(1) = 22, a(2) = 353\}$ ], ogf]  
A016267 11.7192  $-(23-284*x+360*x^2)/(x-1)/(12*x-1)/(-1+10*x)$  lgdogf  
A016267 12.5471 [  $-1/(x-1)/(12*x-1)/(10*x-1)$  ogf]  
A016267 4.39148 [ $\{a(n+3)-23a(n+2)+142a(n+1)-120a(n), a(0) = 1, a(1) = 23, a(2) = 387\}$ ], ogf]  
A016268 11.5847  $-2*(12-155*x+198*x^2)/(x-1)/(12*x-1)/(11*x-1)$  lgdogf  
A016268 12.6820 [  $-1/(x-1)/(12*x-1)/(11*x-1)$  ogf]  
A016268 4.43869 [ $\{a(n+3)-24a(n+2)+155a(n+1)-132a(n), a(0) = 1, a(1) = 24, a(2) = 421\}$ ], ogf]  
A016269 13.1675  $-(9-52*x+72*x^2)/(3*x-1)/(2*x-1)/(4*x-1)$  lgdogf  
A016269 19.8910 [  $-1/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A016269 6.74565 [ $\{a(n+3)-9a(n+2)+26a(n+1)-24a(n), a(0) = 1, a(1) = 9, a(2) = 55\}$ ], ogf]  
A016273 12.4109  $-2*(5-31*x+45*x^2)/(3*x-1)/(2*x-1)/(5*x-1)$  lgdogf  
A016273 13.3310 [  $-1/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A016273 4.55761 [ $\{a(n+3)-10a(n+2)+31a(n+1)-30a(n), a(0) = 1, a(1) = 10, a(2) = 69\}$ ], ogf]  
A016276 12.5489  $-2*(9*x-2)*(7*x-3)/(3*x-1)/(2*x-1)/(7*x-1)$  lgdogf  
A016276 13.4708 [  $-1/(3*x-1)/(2*x-1)/(7*x-1)$  ogf]  
A016276 4.56638 [ $\{a(n+3)-12a(n+2)+41a(n+1)-42a(n), a(0) = 1, a(1) = 12, a(2) = 103\}$ ], ogf]  
A016277 12.5808  $-(13-92*x+144*x^2)/(3*x-1)/(-1+2*x)/(-1+8*x)$  lgdogf  
A016277 14.1333 [  $-1/(3*x-1)/(2*x-1)/(8*x-1)$  ogf]  
A016277 4.79095 [ $\{a(n+3)-13a(n+2)+46a(n+1)-48a(n), a(0) = 1, a(1) = 13, a(2) = 123\}$ ], ogf]  
A016278 13.4212  $-2*(7-51*x+81*x^2)/(-1+3*x)/(2*x-1)/(9*x-1)$  lgdogf  
A016278 14.7222 [  $-1/(3*x-1)/(2*x-1)/(9*x-1)$  ogf]  
A016278 4.99058 [ $\{a(n+3)-14a(n+2)+51a(n+1)-54a(n), a(0) = 1, a(1) = 14, a(2) = 145\}$ ], ogf]  
A016279 12.0753  $-(15-112*x+180*x^2)/(3*x-1)/(-1+2*x)/(10*x-1)$  lgdogf  
A016279 13.8738 [  $-1/(3*x-1)/(2*x-1)/(10*x-1)$  ogf]  
A016279 4.70297 [ $\{a(n+3)-15a(n+2)+56a(n+1)-60a(n), a(0) = 1, a(1) = 15, a(2) = 169\}$ ], ogf]  
A016280 12.3498  $-2*(8-61*x+99*x^2)/(11*x-1)/(3*x-1)/(-1+2*x)$  lgdogf  
A016280 13.8738 [  $-1/(11*x-1)/(3*x-1)/(2*x-1)$  ogf]  
A016280 4.70297 [ $\{a(n+3)-16a(n+2)+61a(n+1)-66a(n), a(0) = 1, a(1) = 16, a(2) = 195\}$ ], ogf]  
A016281 11.2684  $-(17-132*x+216*x^2)/(12*x-1)/(3*x-1)/(2*x-1)$  lgdogf  
A016281 12.6786 [  $-1/(12*x-1)/(3*x-1)/(2*x-1)$  ogf]  
A016281 4.29784 [ $\{a(n+3)-17a(n+2)+66a(n+1)-72a(n), a(0) = 1, a(1) = 17, a(2) = 223\}$ ], ogf]  
A016282 18.1858 [  $-1/(4*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A016282 6.21738 [ $\{a(n+3)-11a(n+2)+38a(n+1)-40a(n), a(0) = 1, a(1) = 11, a(2) = 83\}$ ], ogf]  
A016283 12.3165 [  $-x^2/(6*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A016283 12.7580  $-4*(3-22*x+36*x^2)/(6*x-1)/(2*x-1)/(4*x-1)$  lgdogf  
A016283 4.79580 [ $\{a(n+3)-12a(n+2)+44a(n+1)-48a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ ], ogf]  
A016285 12.1124  $-(13-100*x+168*x^2)/(-1+4*x)/(2*x-1)/(7*x-1)$  lgdogf  
A016285 13.6180 [  $-1/(4*x-1)/(2*x-1)/(7*x-1)$  ogf]  
A016285 4.61628 [ $\{a(n+3)-13a(n+2)+50a(n+1)-56a(n), a(0) = 1, a(1) = 13, a(2) = 119\}$ ], ogf]  
A016290 17.9712  $-2*(7-56*x+96*x^2)/(8*x-1)/(2*x-1)/(-1+4*x)$  lgdogf  
A016290 19.6281 [  $-1/(8*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A016290 6.65359 [ $\{a(n+3)-14a(n+2)+56a(n+1)-64a(n), a(0) = 1, a(1) = 14, a(2) = 140\}$ ], ogf]

A016291 16.8511  $-(15-124*x+216*x^2)/(4*x-1)/(9*x-1)/(2*x-1)$  lgdogf  
A016291 18.4194  $[-1/(4*x-1)/(9*x-1)/(2*x-1)$  ogf]  
A016291 6.24385  $[{a(n+3)-15*a(n+2)+62*a(n+1)-72*a(n), a(0) = 1, a(1) = 15, a(2) = 163},$  ogf]  
A016292 15.2449  $-8*(6*x-1)*(5*x-2)/(-1+4*x)/(-1+2*x)/(10*x-1)$  lgdogf  
A016292 17.4501  $[-1/(4*x-1)/(2*x-1)/(10*x-1)$  ogf]  
A016292 5.91530  $[{a(n+3)-16*a(n+2)+68*a(n+1)-80*a(n), a(0) = 1, a(1) = 16, a(2) = 188},$  ogf]  
A016293 15.0438  $-(17-148*x+264*x^2)/(11*x-1)/(-1+2*x)/(-1+4*x)$  lgdogf  
A016293 17.5999  $[-1/(11*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A016293 5.96608  $[{a(n+3)-17*a(n+2)+74*a(n+1)-88*a(n), a(0) = 1, a(1) = 17, a(2) = 215},$  ogf]  
A016294 11.3328  $-2*(9-80*x+144*x^2)/(12*x-1)/(4*x-1)/(2*x-1)$  lgdogf  
A016294 12.7494  $[-1/(12*x-1)/(4*x-1)/(2*x-1)$  ogf]  
A016294 4.32185  $[{a(n+3)-18*a(n+2)+80*a(n+1)-96*a(n), a(0) = 1, a(1) = 18, a(2) = 244},$  ogf]  
A016295 12.0517  $-(13-104*x+180*x^2)/(6*x-1)/(2*x-1)/(5*x-1)$  lgdogf  
A016295 13.2500  $[-1/(6*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A016295 4.49152  $[{a(n+3)-13*a(n+2)+52*a(n+1)-60*a(n), a(0) = 1, a(1) = 13, a(2) = 117},$  ogf]  
A016296 12.3131  $-2*(7-59*x+105*x^2)/(2*x-1)/(-1+7*x)/(5*x-1)$  lgdogf  
A016296 13.8389  $[-1/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A016296 4.69114  $[{a(n+3)-14*a(n+2)+59*a(n+1)-70*a(n), a(0) = 1, a(1) = 14, a(2) = 137},$  ogf]  
A016297 12.9154  $-3*(5-44*x+80*x^2)/(-1+2*x)/(-1+8*x)/(5*x-1)$  lgdogf  
A016297 14.5014  $[-1/(2*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A016297 4.91572  $[{a(n+3)-15*a(n+2)+66*a(n+1)-80*a(n), a(0) = 1, a(1) = 15, a(2) = 159},$  ogf]  
A016298 12.1664  $-2*(8-73*x+135*x^2)/(9*x-1)/(2*x-1)/(5*x-1)$  lgdogf  
A016298 13.3680  $[-1/(9*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A016298 4.53151  $[{a(n+3)-16*a(n+2)+73*a(n+1)-90*a(n), a(0) = 1, a(1) = 16, a(2) = 183},$  ogf]  
A016299 12.0753  $-(17-160*x+300*x^2)/(-1+2*x)/(5*x-1)/(10*x-1)$  lgdogf  
A016299 13.5354  $[-1/(2*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A016299 4.66345  $[{a(n+3)-17*a(n+2)+80*a(n+1)-100*a(n), a(0) = 1, a(1) = 17, a(2) = 209},$  ogf]  
A016301 12.7714  $-6*(3-29*x+55*x^2)/(5*x-1)/(2*x-1)/(11*x-1)$  lgdogf  
A016301 13.6764  $[-1/(5*x-1)/(2*x-1)/(11*x-1)$  ogf]  
A016301 4.71203  $[{a(n+3)-18*a(n+2)+87*a(n+1)-110*a(n), a(0) = 1, a(1) = 18, a(2) = 237},$  ogf]  
A016302 12.5076  $[-1/(12*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A016302 4.30934  $[{a(n+3)-19*a(n+2)+94*a(n+1)-120*a(n), a(0) = 1, a(1) = 19, a(2) = 267},$  ogf]  
A016304 12.5808  $-(15-136*x+252*x^2)/(6*x-1)/(-1+2*x)/(7*x-1)$  lgdogf  
A016304 14.1333  $[-1/(6*x-1)/(2*x-1)/(7*x-1)$  ogf]  
A016304 4.79095  $[{a(n+3)-15*a(n+2)+68*a(n+1)-84*a(n), a(0) = 1, a(1) = 15, a(2) = 157},$  ogf]  
A016305 13.0492  $-8*(2-19*x+36*x^2)/(6*x-1)/(-1+8*x)/(-1+2*x)$  lgdogf  
A016305 14.6486  $[-1/(6*x-1)/(8*x-1)/(2*x-1)$  ogf]  
A016305 4.96563  $[{a(n+3)-16*a(n+2)+76*a(n+1)-96*a(n), a(0) = 1, a(1) = 16, a(2) = 180},$  ogf]  
A016306 12.3009  $-(17-168*x+324*x^2)/(6*x-1)/(2*x-1)/(9*x-1)$  lgdogf  
A016306 13.1829  $[-1/(6*x-1)/(2*x-1)/(9*x-1)$  ogf]  
A016306 4.54201  $[{a(n+3)-17*a(n+2)+84*a(n+1)-108*a(n), a(0) = 1, a(1) = 17, a(2) = 205},$  ogf]  
A016307 12.0753  $-2*(9-92*x+180*x^2)/(6*x-1)/(-1+2*x)/(10*x-1)$  lgdogf  
A016307 13.5354  $[-1/(6*x-1)/(2*x-1)/(10*x-1)$  ogf]  
A016307 4.66345  $[{a(n+3)-18*a(n+2)+92*a(n+1)-120*a(n), a(0) = 1, a(1) = 18, a(2) = 232},$  ogf]  
A016308 11.0753  $-(19-200*x+396*x^2)/(6*x-1)/(2*x-1)/(11*x-1)$  lgdogf  
A016308 11.8725  $[-1/(6*x-1)/(2*x-1)/(11*x-1)$  ogf]

A016308 4.15538 [ $\{a(n+3)-19a(n+2)+100a(n+1)-132a(n), a(0) = 1, a(1) = 19, a(2) = 261\}$ ], ogf]  
A016309 10.9633  $-4*(5-54*x+108*x^2)/(-1+12*x)/(-1+6*x)/(2*x-1)$  lgdogf  
A016309 12.2772 [  $-1/(12*x-1)/(6*x-1)/(2*x-1)$  ogf]  
A016309 4.29703 [ $\{a(n+3)-20a(n+2)+108a(n+1)-144a(n), a(0) = 1, a(1) = 20, a(2) = 292\}$ ], ogf]  
A016311 12.0992  $-(17-172*x+336*x^2)/(2*x-1)/(8*x-1)/(7*x-1)$  lgdogf  
A016311 12.9714 [  $-1/(2*x-1)/(8*x-1)/(7*x-1)$  ogf]  
A016311 4.46914 [ $\{a(n+3)-17a(n+2)+86a(n+1)-112a(n), a(0) = 1, a(1) = 17, a(2) = 203\}$ ], ogf]  
A016312 12.2841  $-2*(9-95*x+189*x^2)/(9*x-1)/(-1+2*x)/(7*x-1)$  lgdogf  
A016312 13.4649 [  $-1/(9*x-1)/(2*x-1)/(7*x-1)$  ogf]  
A016312 4.63917 [ $\{a(n+3)-18a(n+2)+95a(n+1)-126a(n), a(0) = 1, a(1) = 18, a(2) = 229\}$ ], ogf]  
A016313 12.0753  $-(19-208*x+420*x^2)/(-1+2*x)/(7*x-1)/(10*x-1)$  lgdogf  
A016313 13.2131 [  $-1/(2*x-1)/(7*x-1)/(10*x-1)$  ogf]  
A016313 4.62459 [ $\{a(n+3)-19a(n+2)+104a(n+1)-140a(n), a(0) = 1, a(1) = 19, a(2) = 257\}$ ], ogf]  
A016314 10.7169  $-2*(10-113*x+231*x^2)/(7*x-1)/(2*x-1)/(11*x-1)$  lgdogf  
A016314 12.0074 [  $-1/(7*x-1)/(2*x-1)/(11*x-1)$  ogf]  
A016314 4.20259 [ $\{a(n+3)-20a(n+2)+113a(n+1)-154a(n), a(0) = 1, a(1) = 20, a(2) = 287\}$ ], ogf]  
A016315 11.2699  $-(21-244*x+504*x^2)/(-1+12*x)/(2*x-1)/(7*x-1)$  lgdogf  
A016315 12.3447 [  $-1/(12*x-1)/(2*x-1)/(7*x-1)$  ogf]  
A016315 4.32064 [ $\{a(n+3)-21a(n+2)+122a(n+1)-168a(n), a(0) = 1, a(1) = 21, a(2) = 319\}$ ], ogf]  
A016316 12.0753  $-(19-212*x+432*x^2)/(-1+8*x)/(-1+2*x)/(9*x-1)$  lgdogf  
A016316 13.2131 [  $-1/(8*x-1)/(2*x-1)/(9*x-1)$  ogf]  
A016316 4.62459 [ $\{a(n+3)-19a(n+2)+106a(n+1)-144a(n), a(0) = 1, a(1) = 19, a(2) = 255\}$ ], ogf]  
A016317 11.8128  $-4*(5-58*x+120*x^2)/(-1+2*x)/(-1+8*x)/(10*x-1)$  lgdogf  
A016317 13.2131 [  $-1/(2*x-1)/(8*x-1)/(10*x-1)$  ogf]  
A016317 4.62459 [ $\{a(n+3)-20a(n+2)+116a(n+1)-160a(n), a(0) = 1, a(1) = 20, a(2) = 284\}$ ], ogf]  
A016318 12.2098 [  $-1/(11*x-1)/(8*x-1)/(2*x-1)$  ogf]  
A016318 4.27342 [ $\{a(n+3)-21a(n+2)+126a(n+1)-176a(n), a(0) = 1, a(1) = 21, a(2) = 315\}$ ], ogf]  
A016320 11.0865  $-2*(11-136*x+288*x^2)/(12*x-1)/(2*x-1)/(8*x-1)$  lgdogf  
A016320 12.4122 [  $-1/(12*x-1)/(2*x-1)/(8*x-1)$  ogf]  
A016320 4.34426 [ $\{a(n+3)-22a(n+2)+136a(n+1)-192a(n), a(0) = 1, a(1) = 22, a(2) = 348\}$ ], ogf]  
A016321 12.5468  $-(21-256*x+540*x^2)/(9*x-1)/(2*x-1)/(10*x-1)$  lgdogf  
A016321 13.4196 [  $-1/(9*x-1)/(2*x-1)/(10*x-1)$  ogf]  
A016321 4.69685 [ $\{a(n+3)-21a(n+2)+128a(n+1)-180a(n), a(0) = 1, a(1) = 21, a(2) = 313\}$ ], ogf]  
A016322 11.0249  $-2*(11-139*x+297*x^2)/(11*x-1)/(2*x-1)/(9*x-1)$  lgdogf  
A016322 12.3447 [  $-1/(11*x-1)/(2*x-1)/(9*x-1)$  ogf]  
A016322 4.32064 [ $\{a(n+3)-22a(n+2)+139a(n+1)-198a(n), a(0) = 1, a(1) = 22, a(2) = 345\}$ ], ogf]  
A016324 11.5904  $-(23-300*x+648*x^2)/(12*x-1)/(9*x-1)/(2*x-1)$  lgdogf  
A016324 12.4122 [  $-1/(12*x-1)/(9*x-1)/(2*x-1)$  ogf]  
A016324 4.34426 [ $\{a(n+3)-23a(n+2)+150a(n+1)-216a(n), a(0) = 1, a(1) = 23, a(2) = 379\}$ ], ogf]  
A016325 11.0865  $-(23-304*x+660*x^2)/(2*x-1)/(-1+10*x)/(11*x-1)$  lgdogf  
A016325 12.4122 [  $-1/(2*x-1)/(10*x-1)/(11*x-1)$  ogf]  
A016325 4.34426 [ $\{a(n+3)-23a(n+2)+152a(n+1)-220a(n), a(0) = 1, a(1) = 23, a(2) = 377\}$ ], ogf]  
A016326 11.5217  $-8*(3-41*x+90*x^2)/(12*x-1)/(2*x-1)/(-1+10*x)$  lgdogf  
A016326 12.6145 [  $-1/(12*x-1)/(2*x-1)/(10*x-1)$  ogf]  
A016326 4.41508 [ $\{a(n+3)-24a(n+2)+164a(n+1)-240a(n), a(0) = 1, a(1) = 24, a(2) = 412\}$ ], ogf]



A016332 22.3867 [x<sup>18</sup>+x<sup>6</sup>-1 ogf\_with\_Euler\_transform]  
A016332 5.26012 [ -1/(x-1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/  
(x<sup>18</sup>+x<sup>17</sup>+x<sup>16</sup>+x<sup>15</sup>+x<sup>14</sup>+x<sup>13</sup>+x<sup>12</sup>+x<sup>11</sup>+x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x  
+1) ogf]  
A016335 19.2244 [x<sup>12</sup>+x<sup>10</sup>-1 ogf\_with\_Euler\_transform]  
A016338 7.48004 [x<sup>21</sup>+x<sup>13</sup>-x<sup>10</sup>-x<sup>6</sup>-x+1 ogf\_with\_Euler\_transform]  
A016341 19.8652 [x<sup>22</sup>+x<sup>6</sup>-1 ogf\_with\_Euler\_transform]  
A016344 5.05566 [ 1/(x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>16</sup>-x<sup>15</sup>+x<sup>14</sup>-x<sup>13</sup>+x<sup>12</sup>-x<sup>11</sup>+x<sup>10</sup>-  
x<sup>9</sup>+x<sup>8</sup>-x<sup>7</sup>+x<sup>6</sup>-x<sup>5</sup>+x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1) ogf]  
A016347 4.17485 [ -(x<sup>18</sup>-x<sup>6</sup>-1)/(x<sup>8</sup>+1)/(x<sup>16</sup>-x<sup>8</sup>+1) ogf]  
A016351 15.8318 [x<sup>16</sup>+x<sup>10</sup>-1 ogf\_with\_Euler\_transform]  
A016352 4.88382 [ 1/(x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>18</sup>-x<sup>17</sup>+x<sup>16</sup>-x<sup>15</sup>+x<sup>14</sup>-x<sup>13</sup>+x<sup>12</sup>-  
x<sup>11</sup>+x<sup>10</sup>-x<sup>9</sup>+x<sup>8</sup>-x<sup>7</sup>+x<sup>6</sup>-x<sup>5</sup>+x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1) ogf]  
A016356 17.8108 [x<sup>18</sup>+x<sup>10</sup>-1 ogf\_with\_Euler\_transform]  
A016359 4.52897 [ 1/(x<sup>2</sup>+1)/(x<sup>8</sup>-x<sup>6</sup>+x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>20</sup>-x<sup>18</sup>+x<sup>16</sup>-x<sup>14</sup>+x<sup>12</sup>-  
x<sup>10</sup>+x<sup>8</sup>-x<sup>6</sup>+x<sup>4</sup>-x<sup>2</sup>+1) ogf]  
A016360 16.3973 [x<sup>16</sup>+x<sup>12</sup>-1 ogf\_with\_Euler\_transform]  
A016361 7.01947 [ 1/(x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>22</sup>-x<sup>21</sup>+x<sup>20</sup>-x<sup>19</sup>+x<sup>18</sup>-x<sup>17</sup>+x<sup>16</sup>-  
x<sup>15</sup>+x<sup>14</sup>-x<sup>13</sup>+x<sup>12</sup>-x<sup>11</sup>+x<sup>10</sup>-x<sup>9</sup>+x<sup>8</sup>-x<sup>7</sup>+x<sup>6</sup>-x<sup>5</sup>+x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1) ogf]  
A016364 15.2664 [x<sup>18</sup>+x<sup>12</sup>-1 ogf\_with\_Euler\_transform]  
A016365 13.9942 [x<sup>22</sup>+x<sup>10</sup>-1 ogf\_with\_Euler\_transform]  
A016368 4.97739 [ 1/(x<sup>2</sup>+1)/(x<sup>8</sup>-x<sup>6</sup>+x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>24</sup>-x<sup>22</sup>+x<sup>20</sup>-x<sup>18</sup>+x<sup>16</sup>-  
x<sup>14</sup>+x<sup>12</sup>-x<sup>10</sup>+x<sup>8</sup>-x<sup>6</sup>+x<sup>4</sup>-x<sup>2</sup>+1) ogf]  
A016369 4.85516 [ 1/(x+1)/(x<sup>6</sup>-x<sup>5</sup>+x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>18</sup>-x<sup>17</sup>+x<sup>16</sup>-x<sup>15</sup>+x<sup>14</sup>-  
x<sup>13</sup>+x<sup>12</sup>-x<sup>11</sup>+x<sup>10</sup>-x<sup>9</sup>+x<sup>8</sup>-x<sup>7</sup>+x<sup>6</sup>-x<sup>5</sup>+x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1) ogf]  
A016376 16.3973 [x<sup>22</sup>+x<sup>12</sup>-1 ogf\_with\_Euler\_transform]  
A016382 4.81972 [ 1/(x+1)/(x<sup>6</sup>-x<sup>5</sup>+x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>22</sup>-x<sup>21</sup>+x<sup>20</sup>-x<sup>19</sup>+x<sup>18</sup>-  
x<sup>17</sup>+x<sup>16</sup>-x<sup>15</sup>+x<sup>14</sup>-x<sup>13</sup>+x<sup>12</sup>-x<sup>11</sup>+x<sup>10</sup>-x<sup>9</sup>+x<sup>8</sup>-x<sup>7</sup>+x<sup>6</sup>-x<sup>5</sup>+x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)  
ogf]  
A016383 16.1145 [x<sup>18</sup>+x<sup>16</sup>-1 ogf\_with\_Euler\_transform]  
A016399 15.1251 [x<sup>22</sup>+x<sup>16</sup>-1 ogf\_with\_Euler\_transform]  
A016411 15.1251 [x<sup>22</sup>+x<sup>18</sup>-1 ogf\_with\_Euler\_transform]  
A016633 10.2278 -(25-356\*x+792\*x<sup>2</sup>)/(2\*x-1)/(12\*x-1)/(11\*x-1) lgdogf  
A016633 11.2224 [ -1/(2\*x-1)/(12\*x-1)/(11\*x-1) ogf]  
A016633 3.92783 [{a(n+3)-25\*a(n+2)+178\*a(n+1)-264\*a(n), a(0) = 1, a(1) = 25,  
a(2) = 447}, ogf]  
A016724 11.0206 -2\*(1+2\*x+2\*x<sup>4</sup>+6\*x<sup>3</sup>-10\*x<sup>2</sup>)/(x-1)/(2\*x<sup>2</sup>-1)/(x<sup>2</sup>+2\*x-2) lgdogf  
A016724 9.32336 [ (x<sup>2</sup>+2\*x-2)/(2\*x<sup>2</sup>-1)/(x-1)<sup>2</sup> ogf]  
A016742 14.4549 [ -4\*x\*(x+1)/(x-1)<sup>3</sup> ogf]  
A016742 39.0157 [[4-x] ogf\_with\_Euler\_transform]  
A016742 40.6191 -2\*(x+2)/(x-1)/(1+x) lgdogf  
A016742 7.35654 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 16},  
ogf]  
A016743 22.1098 -2\*(4+7\*x+x<sup>2</sup>)/(x-1)/(x<sup>2</sup>+4\*x+1) lgdogf  
A016743 3.60895 [{(n+3)\*a(n+4)+(-2+3\*n)\*a(n+3)+(-17-3\*n)\*a(n+2)+(-2-n)\*a(n+1),  
a(0) = 0, a(1) = 8, a(2) = 64, a(3) = 216}, ogf]  
A016743 9.70515 [ 8\*x\*(x<sup>2</sup>+4\*x+1)/(x-1)<sup>4</sup> ogf]  
A016744 11.8539 -2\*(8+33\*x+x<sup>3</sup>+18\*x<sup>2</sup>)/(x-1)/(x+1)/(x<sup>2</sup>+10\*x+1) lgdogf  
A016744 5.84442 [ -16\*x\*(x+1)\*(x<sup>2</sup>+10\*x+1)/(x-1)<sup>5</sup> ogf]  
A016745 4.74344 [ 32\*x\*(x<sup>4</sup>+26\*x<sup>3</sup>+66\*x<sup>2</sup>+26\*x+1)/(x-1)<sup>6</sup> ogf]  
A016745 8.39347 -2\*(16+131\*x+x<sup>4</sup>+41\*x<sup>3</sup>+171\*x<sup>2</sup>)/(x-1)/(x<sup>4</sup>+26\*x<sup>3</sup>+66\*x<sup>2</sup>+26\*x  
+1) lgdogf  
A016746 3.61187 [ -64\*x\*(x+1)\*(x<sup>4</sup>+56\*x<sup>3</sup>+246\*x<sup>2</sup>+56\*x+1)/(x-1)<sup>7</sup> ogf]  
A016746 6.17638 -2\*(32+473\*x+x<sup>5</sup>+88\*x<sup>4</sup>+718\*x<sup>3</sup>+1208\*x<sup>2</sup>)/(x-1)/(x+1)/  
(x<sup>4</sup>+56\*x<sup>3</sup>+246\*x<sup>2</sup>+56\*x+1) lgdogf  
A016747 3.15351 [ 128\*x\*(x<sup>6</sup>+120\*x<sup>5</sup>+1191\*x<sup>4</sup>+2416\*x<sup>3</sup>+1191\*x<sup>2</sup>+120\*x+1)/(x-1)<sup>8</sup>  
ogf]  
A016753 11.2300 -2\*(9\*x-2)\*(10\*x-3)/(4\*x-1)/(3\*x-1)/(5\*x-1) lgdogf  
A016753 12.3666 [ -1/(4\*x-1)/(3\*x-1)/(5\*x-1) ogf]  
A016753 4.22791 [{a(n+3)-12\*a(n+2)+47\*a(n+1)-60\*a(n), a(0) = 1, a(1) = 12, a(2)  
= 97}, ogf]

A016754 12.4072 [  $-(x^2+6x+1)/(x-1)^3$  ogf]  
A016754 23.9258  $-(9+14x+x^2)/(x-1)/(x^2+6x+1)$  lgdogf  
A016754 6.69768 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 9, a(2) = 25\}$ , ogf]  
A016755 12.0851  $-(27+115x+x^3+49x^2)/(x-1)/(x+1)/(x^2+22x+1)$  lgdogf  
A016755 7.36209 [  $(x+1)*(x^2+22x+1)/(x-1)^4$  ogf]  
A016756 5.75927 [  $-(x^4+76x^3+230x^2+76x+1)/(x-1)^5$  ogf]  
A016756 8.57131  $-(81+764x+x^4+156x^3+918x^2)/(x-1)/(x^4+76x^3+230x^2+76x+1)$  lgdogf  
A016757 4.62613 [  $(x+1)*(x^4+236x^3+1446x^2+236x+1)/(x-1)^6$  ogf]  
A016757 6.34306  $-(243+4549x+x^5+479x^4+5994x^3+11774x^2)/(x-1)/(x+1)/(x^4+236x^3+1446x^2+236x+1)$  lgdogf  
A016758 3.61554 [  $-(x^6+722x^5+10543x^4+23548x^3+10543x^2+722x+1)/(x-1)^7$  ogf]  
A016759 3.18692 [  $(x+1)*(x^6+2178x^5+58479x^4+201244x^3+58479x^2+2178x+1)/(x-1)^8$  ogf]  
A016765 16.3897  $-(13-108x+216x^2)/(6x-1)/(3x-1)/(4x-1)$  lgdogf  
A016765 17.9280 [  $-1/(6x-1)/(3x-1)/(4x-1)$  ogf]  
A016765 6.07730 [  $\{a(n+3)-13a(n+2)+54a(n+1)-72a(n), a(0) = 1, a(1) = 13, a(2) = 115\}$ , ogf]  
A016766 13.7911 [  $-9x*(x+1)/(x-1)^3$  ogf]  
A016766 37.1987 [[4-x] ogf\_with\_Euler\_transform]  
A016766 38.7404  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A016766 7.01867 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 9, a(2) = 36\}$ , ogf]  
A016767 17.9940  $-2*(4+7x+x^2)/(x-1)/(x^2+4x+1)$  lgdogf  
A016767 7.60922 [  $27x*(x^2+4x+1)/(x-1)^4$  ogf]  
A016768 16.2100  $-2*(8+33x+x^3+18x^2)/(x-1)/(x+1)/(x^2+10x+1)$  lgdogf  
A016768 4.21897 [  $\{(-4n^2-17n-18)*a(n+1)+(8n^2+32n+72)*a(n+2)+(-4n^2-15n-14)*a(n+3), a(0) = 0, a(1) = 81, a(2) = 1296\}$ , ogf]  
A016768 7.95951 [  $-81x*(x+1)*(x^2+10x+1)/(x-1)^5$  ogf]  
A016769 4.29227 [  $243x*(x^4+26x^3+66x^2+26x+1)/(x-1)^6$  ogf]  
A016769 7.91575  $-2*(16+131x+x^4+41x^3+171x^2)/(x-1)/(x^4+26x^3+66x^2+26x+1)$  lgdogf  
A016770 3.54535 [  $-729x*(x+1)*(x^4+56x^3+246x^2+56x+1)/(x-1)^7$  ogf]  
A016770 6.32509  $-2*(32+473x+x^5+88x^4+718x^3+1208x^2)/(x-1)/(x+1)/(x^4+56x^3+246x^2+56x+1)$  lgdogf  
A016771 3.08744 [  $2187x*(x^6+120x^5+1191x^4+2416x^3+1191x^2+120x+1)/(x-1)^8$  ogf]  
A016777 11.0652 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A016777 20.1632 [  $(2x+1)/(x-1)^2$  ogf]  
A016777 25.4507  $-1/2*(-1-2x+(1+12x)^{1/2})/(-2+x)$  revogf  
A016777 40.4897  $-2*(x+2)/(2x+1)/(x-1)$  lgdogf  
A016778 16.1743  $-2*(x+8)*(1+2x)/(x-1)/(4x^2+13x+1)$  lgdogf  
A016778 5.37528 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 16, a(2) = 49\}$ , ogf]  
A016778 9.88358 [  $-(4x^2+13x+1)/(x-1)^3$  ogf]  
A016779 10.3877 [  $(8x^3+93x^2+60x+1)/(x-1)^4$  ogf]  
A016779 14.6599  $-2*(32+183x+4x^3+105x^2)/(x-1)/(8x^3+93x^2+60x+1)$  lgdogf  
A016779 4.25195 [  $\{(-69n^2-313n-350)*a(n+1)+(108n^2+424n+800)*a(n+2)+(-39n^2-201n-252)*a(n+3), a(0) = 1, a(1) = 64, a(2) = 343\}$ , ogf]  
A016780 5.43046 [  $-(16x^4+545x^3+1131x^2+251x+1)/(x-1)^5$  ogf]  
A016780 7.00801  $-2*(128+1633x+8x^4+577x^3+2514x^2)/(x-1)/(16x^4+545x^3+1131x^2+251x+1)$  lgdogf  
A016781 4.26713 [  $(32x^5+2933x^4+14498x^3+10678x^2+1018x+1)/(x-1)^6$  ogf]  
A016781 5.04520  $-2*(512+13223x+16x^5+3013x^4+27613x^3+43103x^2)/(x-1)/(32x^5+2933x^4+14498x^3+10678x^2+1018x+1)$  lgdogf  
A016782 3.54893 [  $-(64x^6+15177x^5+154113x^4+262438x^3+88998x^2+4089x+1)/(x-1)^7$  ogf]  
A016783 3.10028 [  $(128x^7+77101x^6+1475736x^5+4890287x^4+3870352x^3+692499x^2+16376x+1)/$

$(x-1)^8$  ogf]  
A016789 10.3357 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 2, a(1) = 5\}$ , ogf]  
A016789 18.8340 [ $(x+2)/(x-1)^2$  ogf]  
A016789 30.7834  $-(-1-x+(1+3*x)^{(1/2)})/(x-1)$  revogf  
A016789 46.1751  $-(x+5)/(x+2)/(x-1)$  lgdogf  
A016790 13.1836 [ $-(16*x^2+x+1)/(x-1)^3$  ogf]  
A016790 18.2434  $-(25+28*x+x^2)/(x-1)/(x^2+13*x+4)$  lgdogf  
A016790 7.23350 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 25\}$ , ogf]  
A016791 14.1958  $-(125+399*x+123*x^2+x^3)/(x-1)/(x^3+60*x^2+93*x+8)$  lgdogf  
A016791 3.71168 [ $\{(39*n^2+189*n+222)*a(n+1)+(-108*n^2-656*n-1380)*a(n+2)+(69*n^2+377*n+510)*a(n+3), a(0) = 8, a(1) = 125, a(2) = 512\}$ , ogf]  
A016791 9.16175 [ $(x^3+60*x^2+93*x+8)/(x-1)^4$  ogf]  
A016792 5.49217 [ $-(x^4+251*x^3+1131*x^2+545*x+16)/(x-1)^5$  ogf]  
A016792 7.68029  $-(625+4442*x+x^4+506*x^3+4146*x^2)/(x-1)/(x^4+251*x^3+1131*x^2+545*x+16)$  lgdogf  
A016793 4.31507 [ $(x^5+1018*x^4+10678*x^3+14498*x^2+2933*x+32)/(x-1)^6$  ogf]  
A016793 5.41248  $-(3125+43661*x+x^5+2041*x^4+36106*x^3+90026*x^2)/(x-1)/(x^5+1018*x^4+10678*x^3+14498*x^2+2933*x+32)$  lgdogf  
A016794 3.62693 [ $-(x^6+4089*x^5+88998*x^4+262438*x^3+154113*x^2+15177*x+64)/(x-1)^7$  ogf]  
A016795 4.57290 [ $(x^7+16376*x^6+692499*x^5+3870352*x^4+4890287*x^3+1475736*x^2+77101*x+128)/(x-1)^8$  ogf]  
A016801 11.9741  $-2*(7-61*x+126*x^2)/(3*x-1)/(-1+7*x)/(-1+4*x)$  lgdogf  
A016801 13.7652 [ $-1/(3*x-1)/(7*x-1)/(4*x-1)$  ogf]  
A016801 4.66619 [ $\{a(n+3)-14*a(n+2)+61*a(n+1)-84*a(n), a(0) = 1, a(1) = 14, a(2) = 135\}$ , ogf]  
A016802 13.7470 [ $-16*x*(x+1)/(x-1)^3$  ogf]  
A016802 38.3736  $[[4-x]$  ogf\_with\_Euler\_transform]  
A016802 39.9931  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A016802 7.17765 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 16, a(2) = 64\}$ , ogf]  
A016803 23.3829  $-2*(4+7*x+x^2)/(x-1)/(x^2+4*x+1)$  lgdogf  
A016803 3.75615 [ $\{(n+3)*a(n+4)+(-2+3*n)*a(n+3)+(-17-3*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 64, a(2) = 512, a(3) = 1728\}$ , ogf]  
A016803 9.85381 [ $64*x*(x^2+4*x+1)/(x-1)^4$  ogf]  
A016804 11.4078  $-2*(8+33*x+x^3+18*x^2)/(x-1)/(x+1)/(x^2+10*x+1)$  lgdogf  
A016804 5.40173 [ $-256*x*(x+1)*(x^2+10*x+1)/(x-1)^5$  ogf]  
A016805 4.20829 [ $1024*x*(x^4+26*x^3+66*x^2+26*x+1)/(x-1)^6$  ogf]  
A016805 8.01934  $-2*(16+131*x+x^4+41*x^3+171*x^2)/(x-1)/(x^4+26*x^3+66*x^2+26*x+1)$  lgdogf  
A016806 3.36265 [ $-4096*x*(x+1)*(x^4+56*x^3+246*x^2+56*x+1)/(x-1)^7$  ogf]  
A016806 6.24463  $-2*(32+473*x+x^5+88*x^4+718*x^3+1208*x^2)/(x-1)/(x+1)/(x^4+56*x^3+246*x^2+56*x+1)$  lgdogf  
A016813 10.7352 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A016813 19.5618 [ $(3*x+1)/(x-1)^2$  ogf]  
A016813 24.6830  $-1/2*(-1-2*x+(1+16*x)^{(1/2)})/(-3+x)$  revogf  
A016813 39.2684  $-(5+3*x)/(3*x+1)/(x-1)$  lgdogf  
A016814 14.0381 [ $-(9*x^2+22*x+1)/(x-1)^3$  ogf]  
A016814 15.8210  $-(25+62*x+9*x^2)/(x-1)/(9*x^2+22*x+1)$  lgdogf  
A016814 7.63477 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 25, a(2) = 81\}$ , ogf]  
A016815 6.87304 [ $(27*x^3+235*x^2+121*x+1)/(x-1)^4$  ogf]  
A016815 9.48975  $-(125+833*x+27*x^3+551*x^2)/(x-1)/(27*x^3+235*x^2+121*x+1)$  lgdogf  
A016816 6.74130  $-(625+9372*x+81*x^4+4316*x^3+16326*x^2)/(x-1)/(81*x^4+1996*x^3+3446*x^2+620*x+1)$  lgdogf  
A016816 7.57642 [ $-(81*x^4+1996*x^3+3446*x^2+620*x+1)/(x-1)^5$  ogf]  
A016817 5.81395 [ $(243*x^5+15349*x^4+63854*x^3+40314*x^2+3119*x+1)/(x-1)^6$  ogf]  
A016818 3.35357 [ $-(729*x^6+112546*x^5+963327*x^4+1434812*x^3+422087*x^2+15618*x$

+1)/(x-1)^7 ogf]  
A016825 10.5419 [-a(n+2)+2\*a(n+1)-a(n), a(0) = 2, a(1) = 6], ogf]  
A016825 19.2097 [ 2\*(x+1)/(x-1)^2 ogf]  
A016825 30.2903 -(-1-x+(1+4\*x)^(1/2))/(-2+x) revogf  
A016825 40.9911 [[3-x] ogf\_with\_Euler\_transform]  
A016825 47.1182 -(x+3)/(x-1)/(x+1) lgdogf  
A016826 18.9968 -(9+14\*x+x^2)/(x-1)/(1+6\*x+x^2) lgdogf  
A016826 5.24355 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 4, a(1) = 36, a(2) = 100}, ogf]  
A016826 9.72594 [ -4\*(x^2+6\*x+1)/(x-1)^3 ogf]  
A016827 11.8510 -(27+115\*x+x^3+49\*x^2)/(x-1)/(x+1)/(x^2+22\*x+1) lgdogf  
A016827 7.03926 [ 8\*(x+1)\*(x^2+22\*x+1)/(x-1)^4 ogf]  
A016828 6.01262 [ -16\*(x^4+76\*x^3+230\*x^2+76\*x+1)/(x-1)^5 ogf]  
A016828 9.60712 -(81+764\*x+918\*x^2+156\*x^3+x^4)/(x-1)/(x^4+76\*x^3+230\*x^2+76\*x+1) lgdogf  
A016829 4.23615 [ 32\*(x+1)\*(x^4+236\*x^3+1446\*x^2+236\*x+1)/(x-1)^6 ogf]  
A016830 3.12567 [ -64\*(x^6+722\*x^5+10543\*x^4+23548\*x^3+10543\*x^2+722\*x+1)/(x-1)^7 ogf]  
A016838 17.8455 -(49+46\*x+x^2)/(x-1)/(x^2+22\*x+9) lgdogf  
A016838 5.24355 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 9, a(1) = 49, a(2) = 121}, ogf]  
A016838 9.72594 [ -(x^2+22\*x+9)/(x-1)^3 ogf]  
A016839 10.6337 -(343+947\*x+x^3+245\*x^2)/(x-1)/(x^3+121\*x^2+235\*x+27) lgdogf  
A016839 7.03380 [ (x^3+121\*x^2+235\*x+27)/(x-1)^4 ogf]  
A016840 5.08238 [ -(x^4+620\*x^3+3446\*x^2+1996\*x+81)/(x-1)^5 ogf]  
A016840 6.70394 -(2401+14876\*x+x^4+1244\*x^3+12198\*x^2)/(x-1)/(x^4+620\*x^3+3446\*x^2+1996\*x+81) lgdogf  
A016841 4.24976 [ (x^5+3119\*x^4+40314\*x^3+63854\*x^2+15349\*x+243)/(x-1)^6 ogf]  
A016842 3.17828 [ -(x^6+15618\*x^5+422087\*x^4+1434812\*x^3+963327\*x^2+112546\*x+729)/(x-1)^7 ogf]  
A016849 12.2898 -(15-136\*x+288\*x^2)/(-1+4\*x)/(-1+3\*x)/(-1+8\*x) lgdogf  
A016849 14.4278 [ -1/(4\*x-1)/(3\*x-1)/(8\*x-1) ogf]  
A016849 4.89076 [{a(n+3)-15\*a(n+2)+68\*a(n+1)-96\*a(n), a(0) = 1, a(1) = 15, a(2) = 157}, ogf]  
A016850 10.0747 [ -25\*x\*(x+1)/(x-1)^3 ogf]  
A016850 28.0560 [[4-x] ogf\_with\_Euler\_transform]  
A016850 29.1959 -2\*(x+2)/(x-1)/(x+1) lgdogf  
A016850 5.21410 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 25, a(2) = 100}, ogf]  
A016851 10.0469 [ 125\*x\*(x^2+4\*x+1)/(x-1)^4 ogf]  
A016851 24.4756 -2\*(4+7\*x+x^2)/(x-1)/(x^2+4\*x+1) lgdogf  
A016851 3.89073 [{(n+3)\*a(n+4)+(-2+3\*n)\*a(n+3)+(-17-3\*n)\*a(n+2)+(-2-n)\*a(n+1), a(0) = 0, a(1) = 125, a(2) = 1000, a(3) = 3375}, ogf]  
A016852 11.1804 -2\*(8+33\*x+x^3+18\*x^2)/(x-1)/(x+1)/(x^2+10\*x+1) lgdogf  
A016852 5.29455 [ -625\*x\*(x+1)\*(x^2+10\*x+1)/(x-1)^5 ogf]  
A016853 6.18431 [ 3125\*x\*(x^4+26\*x^3+66\*x^2+26\*x+1)/(x-1)^6 ogf]  
A016853 7.70084 -2\*(16+131\*x+x^4+41\*x^3+171\*x^2)/(x-1)/(x^4+26\*x^3+66\*x^2+26\*x+1) lgdogf  
A016854 3.21706 [ -15625\*x\*(x+1)\*(x^4+56\*x^3+246\*x^2+56\*x+1)/(x-1)^7 ogf]  
A016854 6.05118 -2\*(32+473\*x+x^5+88\*x^4+718\*x^3+1208\*x^2)/(x-1)/(x+1)/(x^4+56\*x^3+246\*x^2+56\*x+1) lgdogf  
A016861 10.3048 [-a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 6], ogf]  
A016861 18.7777 [ (4\*x+1)/(x-1)^2 ogf]  
A016861 24.3772 -1/2\*(-1-2\*x+(1+20\*x)^(1/2))/(x-4) revogf  
A016861 34.5344 -2\*(3+2\*x)/(4\*x+1)/(x-1) lgdogf  
A016862 14.5979 -2\*(18+49\*x+8\*x^2)/(x-1)/(16\*x^2+33\*x+1) lgdogf  
A016862 5.19916 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1, a(1) = 36, a(2) = 121}, ogf]  
A016862 9.49052 [ -(16\*x^2+33\*x+1)/(x-1)^3 ogf]  
A016863 6.83406 [ (64\*x^3+473\*x^2+212\*x+1)/(x-1)^4 ogf]  
A016863 9.12268 -2\*(108+791\*x+32\*x^3+569\*x^2)/(x-1)/(64\*x^3+473\*x^2+212\*x+1)

lgdogf  
 A016864 5.10313 [  $-(256x^4+5281x^3+8171x^2+1291x+1)/(x-1)^5$  ogf]  
 A016864 6.14614  $-2*(648+10753x+128x^4+5793x^3+20178x^2)/(x-1)/$   
 $(256x^4+5281x^3+8171x^2+1291x+1)$  lgdogf  
 A016865 3.92592 [  $(1024x^5+52905x^4+198890x^3+114410x^2+7770x+1)/(x-1)^6$   
 ogf]  
 A016866 3.15395 [ -  
 $(4096x^6+502769x^5+3895465x^4+5356030x^3+1444990x^2+46649x+1)/(x-1)^7$  ogf]  
 A016873 10.0634 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 2, a(1) = 7\}$ , ogf]  
 A016873 18.3377 [  $(3x+2)/(x-1)^2$  ogf]  
 A016873 28.8963  $-(-1-x+(1+5x)^{(1/2)})/(-3+x)$  revogf  
 A016873 36.7771  $-(7+3x)/(3x+2)/(x-1)$  lgdogf  
 A016874 16.3170  $-(49+92x+9x^2)/(x-1)/(9x+1)/(x+4)$  lgdogf  
 A016874 5.22957 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 4, a(1) = 49, a(2) =$   
 $144\}$ , ogf]  
 A016874 9.70000 [  $-(x+4)*(9x+1)/(x-1)^3$  ogf]  
 A016875 6.91352 [  $(27x^3+404x^2+311x+8)/(x-1)^4$  ogf]  
 A016875 9.38775  $-(343+1741x+27x^3+889x^2)/(x-1)/(27x^3+404x^2+311x+8)$   
 lgdogf  
 A016876 5.19061 [  $-(81x^4+3691x^3+8891x^2+2321x+16)/(x-1)^5$  ogf]  
 A016876 6.40287  $-(2401+27066x+81x^4+7706x^3+37746x^2)/(x-1)/$   
 $(81x^4+3691x^3+8891x^2+2321x+16)$  lgdogf  
 A016877 3.94068 [  $(243x^5+31310x^4+178330x^3+148470x^2+16615x+32)/(x-1)^6$   
 ogf]  
 A016878 3.22278 [ -  
 $(729x^6+257041x^5+3007110x^4+5704070x^3+2163785x^2+117201x+64)/(x-1)^7$   
 ogf]  
 A016885 10.3048 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 3, a(1) = 8\}$ , ogf]  
 A016885 18.7777 [  $(2x+3)/(x-1)^2$  ogf]  
 A016885 23.6807  $-1/2*(-3-2x+(9+20x)^{(1/2)})/(-2+x)$  revogf  
 A016885 37.6739  $-2*(x+4)/(3+2x)/(x-1)$  lgdogf  
 A016886 13.1772 [  $-(x+9)*(4x+1)/(x-1)^3$  ogf]  
 A016886 15.4583  $-2*(32+41x+2x^2)/(x-1)/(x+9)/(4x+1)$  lgdogf  
 A016886 7.10422 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 9, a(1) = 64, a(2) =$   
 $169\}$ , ogf]  
 A016887 3.62845 [  $\{(3205n^2+15353n+17886)*a(n+1)+(-7700n^2-43480n-89952)*a(n$   
 $+2)+(4495n^2+24257n+32316)*a(n+3), a(0) = 27, a(1) = 512, a(2) = 2197\}$ , ogf]  
 A016887 8.89284  $-2*(256+917x+4x^3+323x^2)/(x-1)/(8x^3+311x^2+404x+27)$   
 lgdogf  
 A016887 9.42512 [  $(8x^3+311x^2+404x+27)/(x-1)^4$  ogf]  
 A016888 5.21977 [  $-(16x^4+2321x^3+8891x^2+3691x+81)/(x-1)^5$  ogf]  
 A016888 6.36391  $-2*(2048+16273x+8x^4+2353x^3+16818x^2)/(x-1)/$   
 $(16x^4+2321x^3+8891x^2+3691x+81)$  lgdogf  
 A016889 3.96282 [  $(32x^5+16615x^4+148470x^3+178330x^2+31310x+243)/(x-1)^6$   
 ogf]  
 A016890 3.24048 [ -  
 $(64x^6+117201x^5+2163785x^4+5704070x^3+3007110x^2+257041x+729)/(x-1)^7$   
 ogf]  
 A016897 10.3048 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 4, a(1) = 9\}$ , ogf]  
 A016897 18.7777 [  $(x+4)/(x-1)^2$  ogf]  
 A016897 30.6972  $-(-2-x+(4+5x)^{(1/2)})/(x-1)$  revogf  
 A016897 46.0458  $-(x+9)/(x+4)/(x-1)$  lgdogf  
 A016898 13.0270 [  $-(x^2+33x+16)/(x-1)^3$  ogf]  
 A016898 17.3797  $-(81+68x+x^2)/(x-1)/(x^2+33x+16)$  lgdogf  
 A016898 7.07499 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 16, a(1) = 81, a(2) =$   
 $196\}$ , ogf]  
 A016899 6.55552 [  $(x^3+212x^2+473x+64)/(x-1)^4$  ogf]  
 A016899 9.71625  $-(729+1843x+x^3+427x^2)/(x-1)/(x^3+212x^2+473x+64)$  lgdogf  
 A016900 5.24893 [  $-(x^4+1291x^3+8171x^2+5281x+256)/(x-1)^5$  ogf]  
 A016900 6.88637  $-(6561+37466x+x^4+2586x^3+28386x^2)/(x-1)/$   
 $(x^4+1291x^3+8171x^2+5281x+256)$  lgdogf

A016901 4.03745 [  $(x^5+7770x^4+114410x^3+198890x^2+52905x+1024)/(x-1)^6$  ogf]  
A016902 3.29650 [  $-(x^6+46649x^5+1444990x^4+5356030x^3+3895465x^2+502769x+4096)/(x-1)^7$  ogf]  
A016909 11.8242  $-2*(6*x-1)*(27*x-8)/(-1+4*x)/(3*x-1)/(9*x-1)$  lgdogf  
A016909 12.9714 [  $-1/(4*x-1)/(3*x-1)/(9*x-1)$  ogf]  
A016909 4.46914 [  $\{a(n+3)-16*a(n+2)+75*a(n+1)-108*a(n), a(0) = 1, a(1) = 16, a(2) = 181\}$ , ogf]  
A016910 16.3528 [  $-36*x*(x+1)/(x-1)^3$  ogf]  
A016910 28.5924  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A016910 45.6799 [  $[4-x]$  ogf\_with\_Euler\_transform]  
A016910 8.46331 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 36, a(2) = 144\}$ , ogf]  
A016911 22.9648  $-2*(4+7*x+x^2)/(x-1)/(x^2+4*x+1)$  lgdogf  
A016911 3.65282 [  $\{(n+3)*a(n+4)+(-2+3*n)*a(n+3)+(-17-3*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 216, a(2) = 1728, a(3) = 5832\}$ , ogf]  
A016911 9.43261 [  $216*x*(x^2+4*x+1)/(x-1)^4$  ogf]  
A016912 11.7065  $-2*(8+33*x+x^3+18*x^2)/(x-1)/(x+1)/(x^2+10*x+1)$  lgdogf  
A016912 5.32836 [  $-1296*x*(x+1)*(x^2+10*x+1)/(x-1)^5$  ogf]  
A016913 4.10852 [  $7776*x*(x^4+26*x^3+66*x^2+26*x+1)/(x-1)^6$  ogf]  
A016914 3.24304 [  $-46656*x*(x+1)*(x^4+56*x^3+246*x^2+56*x+1)/(x-1)^7$  ogf]  
A016914 6.26104  $-2*(32+473*x+718*x^3+1208*x^2+88*x^4+x^5)/(x-1)/(x+1)/(x^4+56*x^3+246*x^2+56*x+1)$  lgdogf  
A016921 10.2106 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A016921 18.6061 [  $(5*x+1)/(x-1)^2$  ogf]  
A016921 23.4620  $-1/2*(-1-2*x+(1+24*x)^(1/2))/(-5+x)$  revogf  
A016921 37.3260  $-(5*x+7)/(5*x+1)/(x-1)$  lgdogf  
A016922 12.7061 [  $-(25*x^2+46*x+1)/(x-1)^3$  ogf]  
A016922 14.2962  $-(49+142*x+25*x^2)/(x-1)/(25*x^2+46*x+1)$  lgdogf  
A016922 6.96076 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 49, a(2) = 169\}$ , ogf]  
A016923 6.59289 [  $(125*x^3+831*x^2+339*x+1)/(x-1)^4$  ogf]  
A016923 8.61829  $-(343+2679*x+125*x^3+2037*x^2)/(x-1)/(125*x^3+831*x^2+339*x+1)$  lgdogf  
A016924 5.20897 [  $-(625*x^4+11516*x^3+16566*x^2+2396*x+1)/(x-1)^5$  ogf]  
A016924 6.25233  $-(2401+42716*x+25532*x^3+84246*x^2+625*x^4)/(x-1)/(625*x^4+11516*x^3+16566*x^2+2396*x+1)$  lgdogf  
A016925 3.99916 [  $(3125*x^5+142301*x^4+500426*x^3+270466*x^2+16801*x+1)/(x-1)^6$  ogf]  
A016926 3.17873 [  $-(15625*x^6+1662186*x^5+12064767*x^4+15728812*x^3+4003287*x^2+117642*x+1)/(x-1)^7$  ogf]  
A016933 18.1666 [  $2*(2*x+1)/(x-1)^2$  ogf]  
A016933 29.6839  $-(-1-x+(6*x+1)^(1/2))/(x-4)$  revogf  
A016933 36.4303  $-2*(x+2)/(1+2*x)/(x-1)$  lgdogf  
A016933 9.96945 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 2, a(1) = 8\}$ , ogf]  
A016934 15.5490  $-2*(x+8)*(1+2*x)/(x-1)/(4*x^2+13*x+1)$  lgdogf  
A016934 5.12327 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 4, a(1) = 64, a(2) = 196\}$ , ogf]  
A016934 9.35200 [  $-4*(4*x^2+13*x+1)/(x-1)^3$  ogf]  
A016935 6.67329 [  $8*(8*x^3+93*x^2+60*x+1)/(x-1)^4$  ogf]  
A016935 9.71517  $-2*(32+183*x+4*x^3+105*x^2)/(x-1)/(8*x^3+93*x^2+60*x+1)$  lgdogf  
A016936 5.26621 [  $-16*(16*x^4+545*x^3+1131*x^2+251*x+1)/(x-1)^5$  ogf]  
A016936 7.13317  $-2*(128+1633*x+577*x^3+8*x^4+2514*x^2)/(x-1)/(16*x^4+545*x^3+1131*x^2+251*x+1)$  lgdogf  
A016937 4.04311 [  $32*(32*x^5+2933*x^4+14498*x^3+10678*x^2+1018*x+1)/(x-1)^6$  ogf]  
A016937 5.04761  $-2*(512+13223*x+16*x^5+27613*x^3+3013*x^4+43103*x^2)/(x-1)/(32*x^5+2933*x^4+14498*x^3+10678*x^2+1018*x+1)$  lgdogf  
A016938 3.25294 [  $-64*(64*x^6+15177*x^5+154113*x^4+262438*x^3+88998*x^2+4089*x+1)/(x-1)^7$  ogf]  
A016945 18.1666 [  $3*(x+1)/(x-1)^2$  ogf]  
A016945 22.8990  $-1/2*(-3-2*x+(9+24*x)^(1/2))/(-3+x)$  revogf

A016945 38.7501 [[3-x] ogf\_with\_Euler\_transform]  
A016945 44.5259  $-(x+3)/(x-1)/(x+1)$  lgdogf  
A016945 9.96945  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 3, a(1) = 9}]$ , ogf]  
A016946 12.9706  $[ -9*(x^2+6*x+1)/(x-1)^3$  ogf]  
A016946 18.5585  $-(9+14*x+x^2)/(x-1)/(x^2+6*x+1)$  lgdogf  
A016946 6.99283  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 9, a(1) = 81, a(2) = 225}]$ , ogf]  
A016947 11.4373  $-(27+115*x+x^3+49*x^2)/(x-1)/(x+1)/(x^2+22*x+1)$  lgdogf  
A016947 6.63166  $[ 27*(x+1)*(x^2+22*x+1)/(x-1)^4$  ogf]  
A016948 4.97936  $[ -81*(x^4+76*x^3+230*x^2+76*x+1)/(x-1)^5$  ogf]  
A016948 8.00943  $-(81+764*x+x^4+156*x^3+918*x^2)/(x-1)/(x^4+76*x^3+230*x^2+76*x+1)$  lgdogf  
A016949 4.06508  $[ 243*(x+1)*(x^4+236*x^3+1446*x^2+236*x+1)/(x-1)^6$  ogf]  
A016949 6.12579  $-(243+4549*x+x^5+5994*x^3+479*x^4+11774*x^2)/(x-1)/(1+x)/(x^4+236*x^3+1446*x^2+236*x+1)$  lgdogf  
A016950 3.30541  $[ -729*(x^6+722*x^5+10543*x^4+23548*x^3+10543*x^2+722*x+1)/(x-1)^7$  ogf]  
A016957 18.3447  $[ 2*(x+2)/(x-1)^2$  ogf]  
A016957 28.9100  $-(-2-x+(4+6*x)^(1/2))/(-2+x)$  revogf  
A016957 44.9711  $-(x+5)/(x+2)/(x-1)$  lgdogf  
A016957 9.94590  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 4, a(1) = 10}]$ , ogf]  
A016958 16.9618  $-(25+28*x+x^2)/(x-1)/(x^2+13*x+4)$  lgdogf  
A016958 4.90150  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 16, a(1) = 100, a(2) = 256}]$ , ogf]  
A016958 9.10279  $[ -4*(x^2+13*x+4)/(x-1)^3$  ogf]  
A016959 10.9442  $-(125+399*x+x^3+123*x^2)/(x-1)/(x^3+60*x^2+93*x+8)$  lgdogf  
A016959 6.83030  $[ 8*(x^3+60*x^2+93*x+8)/(x-1)^4$  ogf]  
A016960 5.01782  $[ -16*(x^4+251*x^3+1131*x^2+545*x+16)/(x-1)^5$  ogf]  
A016960 7.35759  $-(625+4442*x+x^4+506*x^3+4146*x^2)/(x-1)/(x^4+251*x^3+1131*x^2+545*x+16)$  lgdogf  
A016961 3.86101  $[ 32*(x^5+1018*x^4+10678*x^3+14498*x^2+2933*x+32)/(x-1)^6$  ogf]  
A016961 5.10924  $-(3125+43661*x+x^5+2041*x^4+36106*x^3+90026*x^2)/(x-1)/(x^5+1018*x^4+10678*x^3+14498*x^2+2933*x+32)$  lgdogf  
A016962 3.37537  $[ -64*(x^6+4089*x^5+88998*x^4+262438*x^3+154113*x^2+15177*x+64)/(x-1)^7$  ogf]  
A016969 10.1846  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 5, a(1) = 11}]$ , ogf]  
A016969 18.7850  $[ (x+5)/(x-1)^2$  ogf]  
A016969 23.6921  $-1/2*(-5-2*x+(25+24*x)^(1/2))/(x-1)$  revogf  
A016969 43.6433  $-(x+11)/(x+5)/(x-1)$  lgdogf  
A016970 12.0676  $[ -(x^2+46*x+25)/(x-1)^3$  ogf]  
A016970 15.9926  $-(121+94*x+x^2)/(x-1)/(x^2+46*x+25)$  lgdogf  
A016970 6.49791  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 25, a(1) = 121, a(2) = 289}]$ , ogf]  
A016971 6.82558  $[ (x^3+339*x^2+831*x+125)/(x-1)^4$  ogf]  
A016971 9.88656  $-(1331+3171*x+x^3+681*x^2)/(x-1)/(x^3+339*x^2+831*x+125)$  lgdogf  
A016972 5.01782  $[ -(x^4+2396*x^3+16566*x^2+11516*x+625)/(x-1)^5$  ogf]  
A016972 6.46032  $-(14641+79196*x+x^4+4796*x^3+56886*x^2)/(x-1)/(x^4+2396*x^3+16566*x^2+11516*x+625)$  lgdogf  
A016973 3.86101  $[ (x^5+16801*x^4+270466*x^3+500426*x^2+142301*x+3125)/(x-1)^6$  ogf]  
A016974 3.05999  $[ -(x^6+117642*x^5+4003287*x^4+15728812*x^3+12064767*x^2+1662186*x+15625)/(x-1)^7$  ogf]  
A016981 12.0753  $-(17-164*x+360*x^2)/(-1+4*x)/(3*x-1)/(10*x-1)$  lgdogf  
A016981 13.5354  $[ -1/(4*x-1)/(3*x-1)/(10*x-1)$  ogf]  
A016981 4.66345  $[{a(n+3)-17*a(n+2)+82*a(n+1)-120*a(n), a(0) = 1, a(1) = 17, a(2) = 207}]$ , ogf]  
A016982 10.0448  $[ -49*x*(x+1)/(x-1)^3$  ogf]  
A016982 27.9625 [[4-x] ogf\_with\_Euler\_transform]  
A016982 29.1122  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A016982 5.19861  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 49, a(2) =$

196}, ogf]  
A016983 24.4768  $-2*(4+7*x+x^2)/(x-1)/(x^2+4*x+1)$  lgdogf  
A016983 3.89046  $[{(n+3)*a(n+4)+(-2+3*n)*a(n+3)+(-17-3*n)*a(n+2)+(-2-n)*a(n+1),$   
 $a(0) = 0, a(1) = 343, a(2) = 2744, a(3) = 9261}, ogf]$   
A016983 9.92068  $[343*x*(x^2+4*x+1)/(x-1)^4$  ogf]  
A016984 11.1416  $-2*(8+33*x+x^3+18*x^2)/(x-1)/(x+1)/(x^2+10*x+1)$  lgdogf  
A016984 5.07420  $[-2401*x*(x+1)*(x^2+10*x+1)/(x-1)^5$  ogf]  
A016985 5.55837  $[16807*x*(x^4+26*x^3+66*x^2+26*x+1)/(x-1)^6$  ogf]  
A016985 8.28973  $-2*(16+131*x+41*x^3+x^4+171*x^2)/(x-1)/(x^4+26*x^3+66*x^2+26*x$   
 $+1)$  lgdogf  
A016986 3.32594  $[-117649*x*(x+1)*(x^4+56*x^3+246*x^2+56*x+1)/(x-1)^7$  ogf]  
A016986 6.50589  $-2*(32+473*x+x^5+1208*x^2+718*x^3+88*x^4)/(x-1)/(x+1)/$   
 $(x^4+56*x^3+246*x^2+56*x+1)$  lgdogf  
A016993 10.0672  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 8}, ogf]$   
A016993 18.3447  $[(6*x+1)/(x-1)^2$  ogf]  
A016993 23.1280  $-1/2*(-1-2*x+(1+28*x)^(1/2))/(-6+x)$  revogf  
A016993 33.7284  $-2*(4+3*x)/(6*x+1)/(x-1)$  lgdogf  
A016994 14.2011  $-2*(32+97*x+18*x^2)/(x-1)/(36*x^2+61*x+1)$  lgdogf  
A016994 5.18354  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 64, a(2) =$   
 $225}, ogf]$   
A016994 9.46202  $[-(36*x^2+61*x+1)/(x-1)^3$  ogf]  
A016995 6.66768  $[(216*x^3+1333*x^2+508*x+1)/(x-1)^4$  ogf]  
A016995 8.41861  $-2*(256+2095*x+108*x^3+1657*x^2)/(x-1)/(216*x^3+1333*x^2+508*x$   
 $+1)$  lgdogf  
A016996 4.94385  $[-(1296*x^4+22081*x^3+30155*x^2+4091*x+1)/(x-1)^5$  ogf]  
A016996 5.78793  $-2*(2048+38337*x+648*x^4+24673*x^3+78354*x^2)/(x-1)/$   
 $(1296*x^4+22081*x^3+30155*x^2+4091*x+1)$  lgdogf  
A016997 3.76819  $[(7776*x^5+324637*x^4+1088882*x^3+562782*x^2+32762*x+1)/(x-1)^6$   
ogf]  
A016998 3.31693  $[-$   
 $(46656*x^6+4500217*x^5+31192113*x^4+39150518*x^3+9555638*x^2+262137*x+1)/(x-1)^7$   
ogf]  
A017005 10.1161  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 2, a(1) = 9}, ogf]$   
A017005 18.4337  $[(5*x+2)/(x-1)^2$  ogf]  
A017005 29.0531  $-(-1-x+(1+7*x)^(1/2))/(-5+x)$  revogf  
A017005 36.9767  $-(9+5*x)/(5*x+2)/(x-1)$  lgdogf  
A017006 14.6428  $-(81+188*x+25*x^2)/(x-1)/(25*x^2+69*x+4)$  lgdogf  
A017006 5.21368  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 4, a(1) = 81, a(2) =$   
 $256}, ogf]$   
A017006 9.51703  $[-(25*x^2+69*x+4)/(x-1)^3$  ogf]  
A017007 6.70600  $[(125*x^3+1228*x^2+697*x+8)/(x-1)^4$  ogf]  
A017007 8.73696  $-(729+4547*x+125*x^3+2831*x^2)/(x-1)/(125*x^3+1228*x^2+697*x+8)$   
lgdogf  
A017008 4.99972  $[-(625*x^4+17611*x^3+32891*x^2+6481*x+16)/(x-1)^5$  ogf]  
A017008 5.91990  $-(6561+91706*x+625*x^4+37722*x^3+151506*x^2)/(x-1)/$   
 $(625*x^4+17611*x^3+32891*x^2+6481*x+16)$  lgdogf  
A017009 3.80424  $[(3125*x^5+230082*x^4+1029982*x^3+694762*x^2+58857*x+32)/$   
 $(x-1)^6$  ogf]  
A017010 4.25899  $[-$   
 $(15625*x^6+2876609*x^5+26472118*x^4+41753398*x^3+13058473*x^2+530993*x+64)/$   
 $(x-1)^7$  ogf]  
A017011 3.45682  $[-$   
 $(78125*x^7+35206808*x^6+609404775*x^5+1879751888*x^4+1391257763*x^3+230175288*x^$   
 $2+4781945*x+128)/(x-1)^8$  ogf]  
A017017 10.0425  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 3, a(1) = 10}, ogf]$   
A017017 18.5228  $[(4*x+3)/(x-1)^2$  ogf]  
A017017 23.3570  $-1/2*(-3-2*x+(9+28*x)^(1/2))/(-4+x)$  revogf  
A017017 34.0623  $-2*(5+2*x)/(4*x+3)/(x-1)$  lgdogf  
A017018 14.7294  $-2*(50+89*x+8*x^2)/(x-1)/(16*x^2+73*x+9)$  lgdogf  
A017018 5.19861  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 9, a(1) = 100, a(2) =$   
 $289}, ogf]$



A017018 9.57205 [  $-(16x^2+73x+9)/(x-1)^3$  ogf]  
A017019 6.78264 [  $(64x^3+1075x^2+892x+27)/(x-1)^4$  ogf]  
A017019 8.70103  $-2*(500+2413x+32x^3+1171x^2)/(x-1)/(64x^3+1075x^2+892x+27)$   
lgdogf  
A017020 5.02765 [  $-(256x^4+13361x^3+34331x^2+9595x+81)/(x-1)^5$  ogf]  
A017020 5.88830  $-2*(5000+53521x+128x^4+13873x^3+71538x^2)/(x-1)/$   
 $(256x^4+13361x^3+34331x^2+9595x+81)$  lgdogf  
A017021 4.51562 [  $(1024x^5+154907x^4+938622x^3+823502x^2+98542x+243)/$   
 $(x-1)^6$  ogf]  
A017022 3.03983 [ -  
 $(4096x^6+1742889x^5+21697313x^4+43114478x^3+17152878x^2+994897x+729)/$   
 $(x-1)^7$  ogf]  
A017029 10.0425 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 4, a(1) = 11\}$ , ogf]  
A017029 18.5228 [  $(3x+4)/(x-1)^2$  ogf]  
A017029 29.1963  $-(-2-x+(4+7x)^{1/2})/(-3+x)$  revogf  
A017029 35.5433  $-(11+3x)/(3x+4)/(x-1)$  lgdogf  
A017030 14.2511  $-(121+164x+9x^2)/(x-1)/(9x^2+73x+16)$  lgdogf  
A017030 4.98956 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 16, a(1) = 121, a(2) =$   
 $324\}$ , ogf]  
A017030 9.26632 [  $-(9x^2+73x+16)/(x-1)^3$  ogf]  
A017031 6.78264 [  $(27x^3+892x^2+1075x+64)/(x-1)^4$  ogf]  
A017031 8.83915  $-(1331+5009x+27x^3+1865x^2)/(x-1)/(64+1075x+892x^2+27x^3)$   
lgdogf  
A017032 5.56350  $-(14641+122106x+81x^4+19514x^3+131778x^2)/(x-1)/$   
 $(81x^4+9595x^3+34331x^2+13361x+256)$  lgdogf  
A017032 6.99445 [  $-(81x^4+9595x^3+34331x^2+13361x+256)/(x-1)^5$  ogf]  
A017033 3.86799 [  $(243x^5+98542x^4+823502x^3+938622x^2+154907x+1024)/$   
 $(x-1)^6$  ogf]  
A017034 3.07323 [ -  
 $(729x^6+994897x^5+17152878x^4+43114478x^3+21697313x^2+1742889x+4096)/$   
 $(x-1)^7$  ogf]  
A017041 10.0425 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 5, a(1) = 12\}$ , ogf]  
A017041 18.5228 [  $(2x+5)/(x-1)^2$  ogf]  
A017041 22.7082  $-1/2*(-5-2x+(25+28x)^{1/2})/(-2+x)$  revogf  
A017041 37.1589  $-2*(6+x)/(5+2x)/(x-1)$  lgdogf  
A017042 14.2511  $-2*(72+73x+2x^2)/(x-1)/(4x^2+69x+25)$  lgdogf  
A017042 4.98956 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 25, a(1) = 144, a(2) =$   
 $361\}$ , ogf]  
A017042 9.26632 [  $-(4x^2+69x+25)/(x-1)^3$  ogf]  
A017043 6.85929 [  $(8x^3+697x^2+1228x+125)/(x-1)^4$  ogf]  
A017043 9.08555  $-2*(864+2539x+4x^3+709x^2)/(x-1)/(8x^3+697x^2+1228x+125)$   
lgdogf  
A017044 4.75469 [  $-(16x^4+6481x^3+32891x^2+17611x+625)/(x-1)^5$  ogf]  
A017044 5.68852  $-2*(10368+68113x+8x^4+6513x^3+59058x^2)/(x-1)/$   
 $(16x^4+6481x^3+32891x^2+17611x+625)$  lgdogf  
A017045 3.91050 [  $(32x^5+58857x^4+694762x^3+1029982x^2+230082x+3125)/$   
 $(x-1)^6$  ogf]  
A017046 3.10664 [ -  
 $(64x^6+530993x^5+13058473x^4+41753398x^3+26472118x^2+2876609x+15625)/$   
 $(x-1)^7$  ogf]  
A017053 10.0425 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 6, a(1) = 13\}$ , ogf]  
A017053 18.5228 [  $(x+6)/(x-1)^2$  ogf]  
A017053 30.2776  $-(-3-x+(9+7x)^{1/2})/(x-1)$  revogf  
A017053 43.0261  $-(x+13)/(6+x)/(x-1)$  lgdogf  
A017054 15.8345  $-(169+124x+x^2)/(x-1)/(x^2+61x+36)$  lgdogf  
A017054 4.98956 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 36, a(1) = 169, a(2) =$   
 $400\}$ , ogf]  
A017054 9.26632 [  $-(x^2+61x+36)/(x-1)^3$  ogf]  
A017055 6.85929 [  $(x^3+508x^2+1333x+216)/(x-1)^4$  ogf]  
A017055 9.71214  $-(2197+5015x+x^3+1019x^2)/(x-1)/(x^3+508x^2+1333x+216)$   
lgdogf

A017056 4.78217 [  $-(x^4+4091x^3+30155x^2+22081x+1296)/(x-1)^5$  ogf]  
A017056 5.99146  $-(28561+148634x+x^4+8186x^3+102738x^2)/(x-1)/(x^4+4091x^3+30155x^2+22081x+1296)$  lgdogf  
A017057 3.93947 [  $(x^5+32762x^4+562782x^3+1088882x^2+324637x+7776)/(x-1)^6$  ogf]  
A017058 3.16143 [  $-(x^6+262137x^5+9555638x^4+39150518x^3+31192113x^2+4500217x+46656)/(x-1)^7$  ogf]  
A017065 12.1396  $-2*(9-89x+198x^2)/(11x-1)/(3x-1)/(-1+4x)$  lgdogf  
A017065 13.6059 [  $-1/(11x-1)/(3x-1)/(4x-1)$  ogf]  
A017065 4.68774 [  $\{a(n+3)-18a(n+2)+89a(n+1)-132a(n), a(0) = 1, a(1) = 18, a(2) = 235\}$ , ogf]  
A017066 12.0261 [  $-64x*(x+1)/(x-1)^3$  ogf]  
A017066 33.5219 [  $[4-x]$  ogf\_with\_Euler\_transform]  
A017066 34.9393  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A017066 6.22401 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 64, a(2) = 256\}$ , ogf]  
A017067 17.4021  $-2*(4+7x+x^2)/(x-1)/(1+x^2+4x)$  lgdogf  
A017067 7.08154 [  $512x*(x^2+4x+1)/(x-1)^4$  ogf]  
A017068 11.4008  $-2*(8+33x+x^3+18x^2)/(x-1)/(x+1)/(x^2+10x+1)$  lgdogf  
A017068 5.19018 [  $-4096x*(x+1)*(x^2+10x+1)/(x-1)^5$  ogf]  
A017069 3.94142 [  $32768x*(x^4+26x^3+66x^2+26x+1)/(x-1)^6$  ogf]  
A017070 3.09577 [  $-262144x*(x+1)*(x^4+56x^3+246x^2+56x+1)/(x-1)^7$  ogf]  
A017070 6.12708  $-2*(32+473x+718x^3+1208x^2+88x^4+x^5)/(x-1)/(x+1)/(x^4+56x^3+246x^2+56x+1)$  lgdogf  
A017077 10.1649 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A017077 18.5228 [  $(7x+1)/(x-1)^2$  ogf]  
A017077 23.3570  $-1/2*(-1-2x+(1+32x)^{1/2})/(-7+x)$  revogf  
A017077 37.1589  $-(9+7x)/(7x+1)/(x-1)$  lgdogf  
A017078 14.1652  $-(81+254x+49x^2)/(x-1)/(49x^2+78x+1)$  lgdogf  
A017078 5.04647 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 81, a(2) = 289\}$ , ogf]  
A017078 9.21181 [  $-(49x^2+78x+1)/(x-1)^3$  ogf]  
A017079 6.78264 [  $(343x^3+2003x^2+725x+1)/(x-1)^4$  ogf]  
A017079 8.83915  $-(729+6181x+343x^3+5035x^2)/(x-1)/(343x^3+2003x^2+725x+1)$  lgdogf  
A017080 5.05558 [  $-(2401x^4+38620x^3+50726x^2+6556x+1)/(x-1)^5$  ogf]  
A017081 3.81866 [  $(16807x^5+658533x^4+2132198x^3+1065578x^2+59043x+1)/(x-1)^6$  ogf]  
A017082 3.03823 [  $-(117649x^6+10567082x^5+70772143x^4+86337868x^3+20417503x^2+531434x+1)/(x-1)^7$  ogf]  
A017089 18.1720 [  $2*(3x+1)/(x-1)^2$  ogf]  
A017089 28.6352  $-(-1-x+(1+8x)^{1/2})/(-6+x)$  revogf  
A017089 36.4448  $-(5+3x)/(3x+1)/(x-1)$  lgdogf  
A017089 9.85230 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 2, a(1) = 10\}$ , ogf]  
A017090 15.4065  $-(25+62x+9x^2)/(x-1)/(9x^2+22x+1)$  lgdogf  
A017090 5.03257 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 4, a(1) = 100, a(2) = 324\}$ , ogf]  
A017090 9.26632 [  $-4*(9x^2+22x+1)/(x-1)^3$  ogf]  
A017091 6.82096 [  $8*(27x^3+235x^2+121x+1)/(x-1)^4$  ogf]  
A017091 9.65664  $-(125+833x+27x^3+551x^2)/(x-1)/(27x^3+235x^2+121x+1)$  lgdogf  
A017092 4.73870 [  $-16*(81x^4+1996x^3+3446x^2+620x+1)/(x-1)^5$  ogf]  
A017092 6.36593  $-(625+9372x+81x^4+4316x^3+16326x^2)/(x-1)/(81x^4+1996x^3+3446x^2+620x+1)$  lgdogf  
A017093 3.55702 [  $32*(243x^5+15349x^4+63854x^3+40314x^2+3119x+1)/(x-1)^6$  ogf]  
A017094 3.08993 [  $-64*(729x^6+112546x^5+963327x^4+1434812x^3+422087x^2+15618x+1)/(x-1)^7$  ogf]

A017101 18.1720 [ (5\*x+3)/(x-1)^2 ogf]  
A017101 22.9081 -1/2\*(-3-2\*x+(9+32\*x)^(1/2))/(-5+x) revogf  
A017101 34.8602 -(11+5\*x)/(5\*x+3)/(x-1) lgdogf  
A017101 9.85230 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 3, a(1) = 11}, ogf]  
A017102 11.8071 [ -(25\*x^2+94\*x+9)/(x-1)^3 ogf]  
A017102 17.7904 -(121+238\*x+25\*x^2)/(x-1)/(25\*x^2+94\*x+9) lgdogf  
A017102 6.41250 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 9, a(1) = 121, a(2) = 361}, ogf]  
A017103 6.69977 [ (125\*x^3+1697\*x^2+1223\*x+27)/(x-1)^4 ogf]  
A017103 8.53491 -(1331+7063\*x+125\*x^3+3769\*x^2)/(x-1)/(125\*x^3+1697\*x^2+1223\*x+27) lgdogf  
A017104 4.73870 [ -(625\*x^4+25436\*x^3+57926\*x^2+14236\*x+81)/(x-1)^5 ogf]  
A017104 5.47607 -(14641+172796\*x+625\*x^4+53372\*x^3+250086\*x^2)/(x-1)/(625\*x^4+25436\*x^3+57926\*x^2+14236\*x+81) lgdogf  
A017105 4.50437 [ (3125\*x^5+352543\*x^4+1903218\*x^3+1513438\*x^2+159593\*x+243)/(x-1)^6 ogf]  
A017106 3.06965 [ - (15625\*x^6+4717434\*x^5+52306583\*x^4+95276588\*x^3+34660263\*x^2+1766458\*x+729)/(x-1)^7 ogf]  
A017113 11.1027 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 4, a(1) = 12}, ogf]  
A017113 20.4783 [ 4\*(x+1)/(x-1)^2 ogf]  
A017113 30.1738 -(-2-x+2\*(1+2\*x)^(1/2))/(-4+x) revogf  
A017113 43.6980 [[3-x] ogf\_with\_Euler\_transform]  
A017113 50.2897 -(x+3)/(x-1)/(x+1) lgdogf  
A017114 17.2186 -(9+14\*x+x^2)/(-1+x)/(x^2+6\*x+1) lgdogf  
A017114 4.82563 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 16, a(1) = 144, a(2) = 400}, ogf]  
A017114 8.82186 [ -16\*(x^2+6\*x+1)/(x-1)^3 ogf]  
A017115 11.3598 -(27+115\*x+x^3+49\*x^2)/(x-1)/(x+1)/(x^2+22\*x+1) lgdogf  
A017115 6.43088 [ 64\*(x+1)\*(x^2+22\*x+1)/(x-1)^4 ogf]  
A017116 4.74998 [ -256\*(x^4+76\*x^3+230\*x^2+76\*x+1)/(x-1)^5 ogf]  
A017116 7.92716 -(81+764\*x+x^4+156\*x^3+918\*x^2)/(x-1)/(x^4+76\*x^3+230\*x^2+76\*x+1) lgdogf  
A017117 3.54151 [ 1024\*(x+1)\*(x^4+236\*x^3+1446\*x^2+236\*x+1)/(x-1)^6 ogf]  
A017117 5.56872 -(243+4549\*x+x^5+479\*x^4+5994\*x^3+11774\*x^2)/(x-1)/(x+1)/(x^4+236\*x^3+1446\*x^2+236\*x+1) lgdogf  
A017118 4.20715 [ -4096\*(x^6+722\*x^5+10543\*x^4+23548\*x^3+10543\*x^2+722\*x+1)/(x-1)^7 ogf]  
A017119 4.21182 [ 16384\*(x+1)\*(x^6+2178\*x^5+58479\*x^4+201244\*x^3+58479\*x^2+2178\*x+1)/(x-1)^8 ogf]  
A017126 13.4389 -(169+206\*x+9\*x^2)/(-1+x)/(9\*x^2+94\*x+25) lgdogf  
A017126 4.82563 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 25, a(1) = 169, a(2) = 441}, ogf]  
A017126 8.96189 [ -(9\*x^2+94\*x+25)/(x-1)^3 ogf]  
A017127 6.39306 [ (27\*x^3+1223\*x^2+1697\*x+125)/(x-1)^4 ogf]  
A017127 8.26293 -(2197+7537\*x+27\*x^3+2527\*x^2)/(x-1)/(27\*x^3+1223\*x^2+1697\*x+125) lgdogf  
A017128 4.79316 [ -(81\*x^4+14236\*x^3+57926\*x^2+25436\*x+625)/(x-1)^5 ogf]  
A017128 5.60071 -(28561+217596\*x+81\*x^4+28796\*x^3+216486\*x^2)/(x-1)/(81\*x^4+14236\*x^3+57926\*x^2+25436\*x+625) lgdogf  
A017129 3.56699 [ (243\*x^5+159593\*x^4+1513438\*x^3+1903218\*x^2+352543\*x+3125)/(x-1)^6 ogf]  
A017130 4.25551 [ - (729\*x^6+1766458\*x^5+34660263\*x^4+95276588\*x^3+52306583\*x^2+4717434\*x+15625)/(x-1)^7 ogf]  
A017137 18.2607 [ 2\*(x+3)/(x-1)^2 ogf]  
A017137 28.7776 -(-3-x+(9+8\*x)^(1/2))/(-2+x) revogf  
A017137 44.7652 -(7+x)/(x+3)/(x-1) lgdogf  
A017137 9.90036 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 6, a(1) = 14}, ogf]  
A017138 16.2057 -(49+46\*x+x^2)/(-1+x)/(x^2+22\*x+9) lgdogf  
A017138 4.82563 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 36, a(1) = 196, a(2) =

484}], ogf]

A017138 8.96189 [  $-4*(x^2+22*x+9)/(x-1)^3$  ogf]

A017139 12.7630 [  $-(343+947*x+245*x^2+x^3)/(x-1)/(x^3+121*x^2+235*x+27)$  lgdogf]

A017139 8.21149 [  $8*(x^3+121*x^2+235*x+27)/(x-1)^4$  ogf]

A017140 4.82040 [  $-16*(x^4+620*x^3+3446*x^2+1996*x+81)/(x-1)^5$  ogf]

A017140 6.73067 [  $-(2401+14876*x+x^4+1244*x^3+12198*x^2)/(x-1)/(x^4+620*x^3+3446*x^2+1996*x+81)$  lgdogf]

A017141 3.61907 [  $32*(x^5+3119*x^4+40314*x^3+63854*x^2+15349*x+243)/(x-1)^6$  ogf]

A017142 4.35750 [  $-64*(x^6+15618*x^5+422087*x^4+1434812*x^3+963327*x^2+112546*x+729)/(x-1)^7$  ogf]

A017149 4.66002 [  $(x+7)/(x-1)^2$  ogf]

A017149 5.64909 [  $-1/2*(-7-2*x+(49+32*x)^(1/2))/(x-1)$  revogf]

A017149 9.88591 [  $-(15+x)/(x+7)/(-1+x)$  lgdogf]

A017150 14.8917 [  $-(225+158*x+x^2)/(-1+x)/(x^2+78*x+49)$  lgdogf]

A017150 4.82563 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 49, a(1) = 225, a(2) = 529\}$ , ogf]

A017150 8.96189 [  $-(x^2+78*x+49)/(x-1)^3$  ogf]

A017151 6.62094 [  $(x^3+725*x^2+2003*x+343)/(x-1)^4$  ogf]

A017151 9.36977 [  $-(3375+7459*x+x^3+1453*x^2)/(x-1)/(x^3+725*x^2+2003*x+343)$  lgdogf]

A017152 4.86462 [  $-(x^4+6556*x^3+50726*x^2+38620*x+2401)/(x-1)^5$  ogf]

A017152 6.02629 [  $-(50625+255932*x+x^4+13116*x^3+171846*x^2)/(x-1)/(x^4+6556*x^3+50726*x^2+38620*x+2401)$  lgdogf]

A017153 3.63974 [  $(x^5+59043*x^4+1065578*x^3+2132198*x^2+658533*x+16807)/(x-1)^6$  ogf]

A017154 4.39143 [  $-(x^6+531434*x^5+20417503*x^4+86337868*x^3+70772143*x^2+10567082*x+117649)/(x-1)^7$  ogf]

A017161 12.5076 [  $-1/(3*x-1)/(12*x-1)/(4*x-1)$  ogf]

A017161 4.30934 [  $\{a(n+3)-19*a(n+2)+96*a(n+1)-144*a(n), a(0) = 1, a(1) = 19, a(2) = 265\}$ , ogf]

A017162 27.3716 [  $[4-x]$  ogf\_with\_Euler\_transform]

A017162 28.5021 [  $-2*(x+2)/(x-1)/(x+1)$  lgdogf]

A017162 5.09074 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 81, a(2) = 324\}$ , ogf]

A017162 9.83634 [  $-81*x*(x+1)/(x-1)^3$  ogf]

A017163 16.4861 [  $-2*(4+7*x+x^2)/(x-1)/(x^2+4*x+1)$  lgdogf]

A017163 6.71362 [  $729*x*(x^2+4*x+1)/(x-1)^4$  ogf]

A017164 10.7719 [  $-2*(8+33*x+x^3+18*x^2)/(x-1)/(x+1)/(1+x^2+10*x)$  lgdogf]

A017164 4.90730 [  $-6561*x*(x+1)*(x^2+10*x+1)/(x-1)^5$  ogf]

A017165 3.59437 [  $59049*x*(x^4+26*x^3+66*x^2+26*x+1)/(x-1)^6$  ogf]

A017165 7.27917 [  $-2*(16+131*x+x^4+41*x^3+171*x^2)/(x-1)/(x^4+26*x^3+66*x^2+26*x+1)$  lgdogf]

A017166 3.09186 [  $-531441*x*(x+1)*(x^4+56*x^3+246*x^2+56*x+1)/(x-1)^7$  ogf]

A017166 6.19554 [  $-2*(32+473*x+x^5+718*x^3+88*x^4+1208*x^2)/(x-1)/(1+x)/(x^4+56*x^3+246*x^2+56*x+1)$  lgdogf]

A017173 18.3493 [  $(8*x+1)/(x-1)^2$  ogf]

A017173 23.1361 [  $-1/2*(-1-2*x+(1+36*x)^(1/2))/(-8+x)$  revogf]

A017173 33.7401 [  $-2*(4*x+5)/(8*x+1)/(x-1)$  lgdogf]

A017173 9.94842 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 10\}$ , ogf]

A017174 12.8138 [  $-2*(50+161*x+32*x^2)/(-1+x)/(64*x^2+97*x+1)$  lgdogf]

A017174 4.86723 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 100, a(2) = 361\}$ , ogf]

A017174 8.96189 [  $-(64*x^2+97*x+1)/(x-1)^3$  ogf]

A017175 6.50744 [  $(512*x^3+2865*x^2+996*x+1)/(x-1)^4$  ogf]

A017175 8.21404 [  $-2*(500+4359*x+256*x^3+3633*x^2)/(x-1)/(512*x^3+2865*x^2+996*x+1)$  lgdogf]

A017176 4.80966 [  $-(4096*x^4+63041*x^3+80331*x^2+9995*x+1)/(x-1)^5$  ogf]

A017176 5.44968 [  $-2*(5000+100321*x+2048*x^4+71233*x^3+215058*x^2)/(x-1)/(4096*x^4+63041*x^3+80331*x^2+9995*x+1)$  lgdogf]

A017177 3.57231 [  $(32768*x^5+1223249*x^4+3853754*x^3+1876114*x^2+99994*x+1)/$

$(x-1)^6$  ogf]  
A017178 3.06789 [ -  
 $(262144x^6+22302561x^5+145457817x^4+173569102x^3+40045902x^2+999993x+1)/(x-1)^7$  ogf]  
A017185 18.3493 [  $(7x+2)/(x-1)^2$  ogf]  
A017185 28.9201  $-(-1-x+(1+9x)^{1/2})/(-7+x)$  revogf  
A017185 35.2071  $-(11+7x)/(7x+2)/(x-1)$  lgdogf  
A017185 9.94842 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 2, a(1) = 11\}$ , ogf]  
A017186 12.8138  $-(121+316x+49x^2)/(-1+x)/(49x^2+109x+4)$  lgdogf  
A017186 4.86723 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 4, a(1) = 121, a(2) = 400\}$ , ogf]  
A017186 8.82186 [  $-(49x^2+109x+4)/(x-1)^3$  ogf]  
A017187 6.46827 [  $(343x^3+2724x^2+1299x+8)/(x-1)^4$  ogf]  
A017187 8.26293  $-(1331+9345x+343x^3+6477x^2)/(x-1)/(343x^3+2724x^2+1299x+8)$  lgdogf  
A017188 4.74998 [  $-(2401x^4+53531x^3+86955x^2+14561x+16)/(x-1)^5$  ogf]  
A017188 5.36735  $-(14641+232154x+2401x^4+116666x^3+421458x^2)/(x-1)/(2401x^4+53531x^3+86955x^2+14561x+16)$  lgdogf  
A017189 3.56699 [  $(16807x^5+947734x^4+3726274x^3+2234174x^2+160859x+32)/(x-1)^6$  ogf]  
A017190 3.06444 [ -  
 $(117649x^6+15953673x^5+129170742x^4+184023862x^3+51600417x^2+1771113x+64)/(x-1)^7$  ogf]  
A017197 18.3493 [  $3*(2x+1)/(x-1)^2$  ogf]  
A017197 22.4934  $-1/2*(-3-2x+3*(1+4x)^{1/2})/(-6+x)$  revogf  
A017197 36.8074  $-2*(x+2)/(2x+1)/(x-1)$  lgdogf  
A017197 9.94842 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 3, a(1) = 12\}$ , ogf]  
A017198 14.4999  $-2*(x+8)*(2x+1)/(-1+x)/(4x^2+13x+1)$  lgdogf  
A017198 4.86723 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 9, a(1) = 144, a(2) = 441\}$ , ogf]  
A017198 8.82186 [  $-9*(4x^2+13x+1)/(x-1)^3$  ogf]  
A017199 6.43001 [  $27*(8x^3+93x^2+60x+1)/(x-1)^4$  ogf]  
A017199 9.82306  $-2*(32+183x+4x^3+105x^2)/(x-1)/(8x^3+93x^2+60x+1)$  lgdogf  
A017200 4.77697 [  $-81*(16x^4+545x^3+1131x^2+251x+1)/(x-1)^5$  ogf]  
A017200 6.64438  $-2*(128+1633x+8x^4+577x^3+2514x^2)/(x-1)/(16x^4+545x^3+1131x^2+251x+1)$  lgdogf  
A017201 3.58737 [  $243*(32x^5+2933x^4+14498x^3+10678x^2+1018x+1)/(x-1)^6$  ogf]  
A017202 4.14450 [  $-729*(64x^6+15177x^5+154113x^4+262438x^3+88998x^2+4089x+1)/(x-1)^7$  ogf]  
A017209 18.3493 [  $(5x+4)/(x-1)^2$  ogf]  
A017209 28.9201  $-(-2-x+(4+9x)^{1/2})/(-5+x)$  revogf  
A017209 35.2071  $-(13+5x)/(5x+4)/(x-1)$  lgdogf  
A017209 9.94842 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 4, a(1) = 13\}$ , ogf]  
A017210 12.8929  $-(169+292x+25x^2)/(x-1)/(25x^2+121x+16)$  lgdogf  
A017210 4.85470 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 16, a(1) = 169, a(2) = 484\}$ , ogf]  
A017210 8.73846 [  $-(25x^2+121x+16)/(x-1)^3$  ogf]  
A017211 6.08869 [  $(125x^3+2244x^2+1941x+64)/(x-1)^4$  ogf]  
A017211 7.62813  $-(2197+10311x+125x^3+4863x^2)/(x-1)/(125x^3+2244x^2+1941x+64)$  lgdogf  
A017212 4.80396 [  $-(625x^4+35291x^3+94011x^2+27281x+256)/(x-1)^5$  ogf]  
A017212 5.54529  $-(28561+297146x+625x^4+73082x^3+387906x^2)/(x-1)/(625x^4+35291x^3+94011x^2+27281x+256)$  lgdogf  
A017213 3.60222 [  $(3125x^5+519074x^4+3256274x^3+2941234x^2+365149x+1024)/(x-1)^6$  ogf]  
A017214 4.22836 [ -  
 $(15625x^6+7420161x^5+95657262x^4+195063982x^3+79678257x^2+4798137x+4096)/(x-1)^7$  ogf]  
A017221 18.3493 [  $(4x+5)/(x-1)^2$  ogf]  
A017221 22.4934  $-1/2*(-5-2x+(25+36x)^{1/2})/(-4+x)$  revogf

A017221 33.7401  $-2*(2*x+7)/(4*x+5)/(x-1)$  lgdogf  
A017221 9.94842  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 5, a(1) = 14}]$ , ogf]  
A017222 12.9720  $-2*(98+137*x+8*x^2)/(x-1)/(16*x^2+121*x+25)$  lgdogf  
A017222 4.88378  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 25, a(1) = 196, a(2) = 529}]$ , ogf]  
A017222 8.79080  $[ -(16*x^2+121*x+25)/(x-1)^3$  ogf]  
A017223 6.12514  $[ (64*x^3+1941*x^2+2244*x+125)/(x-1)^4$  ogf]  
A017223 7.67493  $-2*(1372+5307*x+32*x^3+2037*x^2)/(x-1)/(64*x^3+1941*x^2+2244*x+125)$  lgdogf  
A017224 4.83095  $[ -(256*x^4+27281*x^3+94011*x^2+35291*x+625)/(x-1)^5$  ogf]  
A017224 5.46097  $-2*(19208+164593*x+128*x^4+27793*x^3+181938*x^2)/(x-1)/(256*x^4+27281*x^3+94011*x^2+35291*x+625)$  lgdogf  
A017225 3.60222  $[ (1024*x^5+365149*x^4+2941234*x^3+3256274*x^2+519074*x+3125)/(x-1)^6$  ogf]  
A017226 4.27587  $[ - (4096*x^6+4798137*x^5+79678257*x^4+195063982*x^3+95657262*x^2+7420161*x+15625)/(x-1)^7$  ogf]  
A017233 18.3493  $[ 3*(x+2)/(x-1)^2$  ogf]  
A017233 28.9201  $-(-3-x+3*(x+1)^(1/2))/(-3+x)$  revogf  
A017233 44.9868  $-(x+5)/(x+2)/(x-1)$  lgdogf  
A017233 9.94842  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 6, a(1) = 15}]$ , ogf]  
A017234 16.9029  $-(25+28*x+x^2)/(x-1)/(x^2+13*x+4)$  lgdogf  
A017234 4.88378  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 36, a(1) = 225, a(2) = 576}]$ , ogf]  
A017234 8.92816  $[ -9*(x^2+13*x+4)/(x-1)^3$  ogf]  
A017235 10.2844  $-(125+399*x+x^3+123*x^2)/(x-1)/(x^3+60*x^2+93*x+8)$  lgdogf  
A017235 6.12514  $[ 27*(x^3+60*x^2+93*x+8)/(x-1)^4$  ogf]  
A017236 4.85794  $[ -81*(x^4+251*x^3+1131*x^2+545*x+16)/(x-1)^5$  ogf]  
A017236 7.32290  $-(625+4442*x+x^4+506*x^3+4146*x^2)/(x-1)/(x^4+251*x^3+1131*x^2+545*x+16)$  lgdogf  
A017237 3.62814  $[ 243*(x^5+1018*x^4+10678*x^3+14498*x^2+2933*x+32)/(x-1)^6$  ogf]  
A017238 4.28578  $[ -729*(x^6+4089*x^5+88998*x^4+262438*x^3+154113*x^2+15177*x+64)/(x-1)^7$  ogf]  
A017245 18.3493  $[ (2*x+7)/(x-1)^2$  ogf]  
A017245 22.4934  $-1/2*(-7-2*x+(49+36*x)^(1/2))/(-2+x)$  revogf  
A017245 36.8074  $-2*(x+8)/(2*x+7)/(x-1)$  lgdogf  
A017245 9.94842  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 7, a(1) = 16}]$ , ogf]  
A017246 12.9720  $-2*(128+113*x+2*x^2)/(x-1)/(4*x^2+109*x+49)$  lgdogf  
A017246 4.88378  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 49, a(1) = 256, a(2) = 625}]$ , ogf]  
A017246 8.92816  $[ -(4*x^2+109*x+49)/(x-1)^3$  ogf]  
A017247 6.19720  $[ (8*x^3+1299*x^2+2724*x+343)/(x-1)^4$  ogf]  
A017247 7.91108  $-2*(2048+5385*x+4*x^3+1311*x^2)/(x-1)/(8*x^3+1299*x^2+2724*x+343)$  lgdogf  
A017248 4.88493  $[ -(16*x^4+14561*x^3+86955*x^2+53531*x+2401)/(x-1)^5$  ogf]  
A017249 3.66891  $[ (32*x^5+160859*x^4+2234174*x^3+3726274*x^2+947734*x+16807)/(x-1)^6$  ogf]  
A017250 4.30933  $[ - (64*x^6+1771113*x^5+51600417*x^4+184023862*x^3+129170742*x^2+15953673*x+117649)/(x-1)^7$  ogf]  
A017257 18.3493  $[ (x+8)/(x-1)^2$  ogf]  
A017257 28.9201  $-(-4-x+(16+9*x)^(1/2))/(x-1)$  revogf  
A017257 42.6191  $-(x+17)/(x+8)/(x-1)$  lgdogf  
A017257 9.94842  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 8, a(1) = 17}]$ , ogf]  
A017258 15.4944  $-(289+196*x+x^2)/(x-1)/(x^2+97*x+64)$  lgdogf  
A017258 4.88378  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 64, a(1) = 289, a(2) = 676}]$ , ogf]  
A017258 9.06987  $[ -(x^2+97*x+64)/(x-1)^3$  ogf]  
A017259 6.27098  $[ (x^3+996*x^2+2865*x+512)/(x-1)^4$  ogf]  
A017259 8.71560  $-(4913+10587*x+x^3+1995*x^2)/(x-1)/(x^3+996*x^2+2865*x+512)$  lgdogf

A017260 4.97456 [  $-(x^4+9995x^3+80331x^2+63041x+4096)/(x-1)^5$  ogf]  
A017261 3.71602 [  $(x^5+99994x^4+1876114x^3+3853754x^2+1223249x+32768)/(x-1)^6$  ogf]  
A017262 4.38560 [ -  
 $(x^6+999993x^5+40045902x^4+173569102x^3+145457817x^2+22302561x+262144)/(x-1)^7$  ogf]  
A017263 5.00465 [   
 $(x^7+9999992x^6+813871767x^5+6621954544x^4+11456857799x^3+4807821048x^2+393561457x+2097152)/(x-1)^8$  ogf]  
A017269 11.9116  $-2*(7-63x+135x^2)/(-1+6x)/(3x-1)/(5x-1)$  lgdogf  
A017269 13.3972 [  $-1/(6x-1)/(3x-1)/(5x-1)$  ogf]  
A017269 4.54142 [  $\{a(n+3)-14a(n+2)+63a(n+1)-90a(n), a(0) = 1, a(1) = 14, a(2) = 133\}$ , ogf]  
A017270 26.6177 [[4-x] ogf\_with\_Euler\_transform]  
A017270 27.7198  $-2*(2+x)/(x-1)/(x+1)$  lgdogf  
A017270 4.90956 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 100, a(2) = 400\}$ , ogf]  
A017270 9.25572 [  $-100x*(x+1)/(x-1)^3$  ogf]  
A017271 17.0820  $-2*(4+7x+x^2)/(x-1)/(x^2+4x+1)$  lgdogf  
A017271 6.78243 [  $1000x*(x^2+4x+1)/(x-1)^4$  ogf]  
A017272 11.1543  $-2*(8+33x+x^3+18x^2)/(x-1)/(x+1)/(x^2+10x+1)$  lgdogf  
A017272 4.89211 [  $-10000x*(x+1)*(x^2+10x+1)/(x-1)^5$  ogf]  
A017273 3.66651 [  $100000x*(x^4+26x^3+66x^2+26x+1)/(x-1)^6$  ogf]  
A017273 7.54070  $-2*(16+131x+x^4+41x^3+171x^2)/(x-1)/(x^4+26x^3+66x^2+26x+1)$  lgdogf  
A017274 3.15444 [  $-1000000x*(x+1)*(x^4+56x^3+246x^2+56x+1)/(x-1)^7$  ogf]  
A017274 6.40092  $-2*(32+473x+1208x^2+718x^3+88x^4+x^5)/(x-1)/(x+1)/(x^4+56x^3+246x^2+56x+1)$  lgdogf  
A017281 18.4380 [  $(9x+1)/(x-1)^2$  ogf]  
A017281 23.9339  $-1/2*(-1-2x+(1+40x)^{1/2})/(x-9)$  revogf  
A017281 35.3805  $-(11+9x)/(9x+1)/(x-1)$  lgdogf  
A017281 9.99648 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
A017282 11.5905 [  $-(81x^2+118x+1)/(x-1)^3$  ogf]  
A017282 17.3203  $-(121+398x+81x^2)/(x-1)/(81x^2+118x+1)$  lgdogf  
A017282 6.39473 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 121, a(2) = 441\}$ , ogf]  
A017283 10.3447  $-(1331+11867x+729x^3+10073x^2)/(x-1)/(729x^3+3943x^2+1327x+1)$  lgdogf  
A017283 8.31089 [  $(729x^3+3943x^2+1327x+1)/(x-1)^4$  ogf]  
A017284 5.98850 [  $-(6561x^4+97516x^3+121286x^2+14636x+1)/(x-1)^5$  ogf]  
A017284 6.79356  $-(14641+301116x+6561x^4+221276x^3+656406x^2)/(x-1)/(6561x^4+97516x^3+121286x^2+14636x+1)$  lgdogf  
A017285 4.65524 [  $(59049x^5+2121805x^4+6540290x^3+3117810x^2+161045x+1)/(x-1)^6$  ogf]  
A017286 3.43318 [ -  
 $(531441x^6+43325794x^5+276662415x^4+324343580x^3+73365215x^2+1771554x+1)/(x-1)^7$  ogf]  
A017293 18.4380 [  $2*(4x+1)/(x-1)^2$  ogf]  
A017293 28.0604  $-(-1-x+(10x+1)^{1/2})/(-8+x)$  revogf  
A017293 33.9063  $-2*(3+2x)/(4x+1)/(x-1)$  lgdogf  
A017293 9.99648 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 2, a(1) = 12\}$ , ogf]  
A017294 13.9449  $-2*(18+49x+8x^2)/(x-1)/(16x^2+33x+1)$  lgdogf  
A017294 4.92588 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 4, a(1) = 144, a(2) = 484\}$ , ogf]  
A017294 8.92816 [  $-4*(16x^2+33x+1)/(x-1)^3$  ogf]  
A017295 6.61782 [  $8*(64x^3+473x^2+212x+1)/(x-1)^4$  ogf]  
A017295 9.16338  $-2*(108+791x+32x^3+569x^2)/(x-1)/(64x^3+473x^2+212x+1)$  lgdogf  
A017296 4.84131 [  $-16*(256x^4+5281x^3+8171x^2+1291x+1)/(x-1)^5$  ogf]  
A017297 3.60222 [  $32*(1024x^5+52905x^4+198890x^3+114410x^2+7770x+1)/(x-1)^6$  ogf]

A017298 4.21514 [  $-64*(4096*x^6+502769*x^5+3895465*x^4+5356030*x^3+1444990*x^2+46649*x+1)/(x-1)^7$  ogf ]  
A017305 18.4380 [  $(7*x+3)/(x-1)^2$  ogf ]  
A017305 23.2501  $-1/2*(-3-2*x+(9+40*x)^(1/2))/(-7+x)$  revogf  
A017305 35.3805  $-(13+7*x)/(7*x+3)/(x-1)$  lgdogf  
A017305 9.99648 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 3, a(1) = 13\}$ , ogf ]  
A017306 13.2809  $-(169+382*x+49*x^2)/(x-1)/(49*x^2+142*x+9)$  lgdogf  
A017306 4.92588 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 9, a(1) = 169, a(2) = 529\}$ , ogf ]  
A017306 8.92816 [  $-(49*x^2+142*x+9)/(x-1)^3$  ogf ]  
A017307 6.16160 [  $(343*x^3+3541*x^2+2089*x+27)/(x-1)^4$  ogf ]  
A017307 7.72173  $-(2197+13349*x+343*x^3+8111*x^2)/(x-1)/(343*x^3+3541*x^2+2089*x+27)$  lgdogf  
A017308 4.84131 [  $-(2401*x^4+71516*x^3+137846*x^2+28156*x+81)/(x-1)^5$  ogf ]  
A017309 3.59677 [  $(16807*x^5+1319015*x^4+6081870*x^3+4212230*x^2+369835*x+243)/(x-1)^6$  ogf ]  
A017310 4.16623 [  $-(117649*x^6+23314026*x^5+220928135*x^4+356554220*x^3+114263535*x^2+4821706*x+729)/(x-1)^7$  ogf ]  
A017317 18.4380 [  $2*(3*x+2)/(x-1)^2$  ogf ]  
A017317 28.0604  $-(-2-x+(4+10*x)^(1/2))/(-6+x)$  revogf  
A017317 36.9887  $-(7+3*x)/(3*x+2)/(x-1)$  lgdogf  
A017317 9.99648 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 4, a(1) = 14\}$ , ogf ]  
A017318 15.5888  $-(49+92*x+9*x^2)/(x-1)/(9*x+1)/(x+4)$  lgdogf  
A017318 4.91285 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 16, a(1) = 196, a(2) = 576\}$ , ogf ]  
A017318 8.84312 [  $-4*(x+4)*(9*x+1)/(x-1)^3$  ogf ]  
A017319 6.16160 [  $8*(27*x^3+404*x^2+311*x+8)/(x-1)^4$  ogf ]  
A017319 8.76874  $-(343+1741*x+27*x^3+889*x^2)/(x-1)/(27*x^3+404*x^2+311*x+8)$  lgdogf  
A017320 4.82498 [  $-16*(81*x^4+3691*x^3+8891*x^2+2321*x+16)/(x-1)^5$  ogf ]  
A017320 6.34809  $-(2401+27066*x+7706*x^3+37746*x^2+81*x^4)/(x-1)/(81*x^4+3691*x^3+8891*x^2+2321*x+16)$  lgdogf  
A017321 3.63696 [  $32*(243*x^5+31310*x^4+178330*x^3+148470*x^2+16615*x+32)/(x-1)^6$  ogf ]  
A017322 4.18938 [  $-64*(729*x^6+257041*x^5+3007110*x^4+5704070*x^3+2163785*x^2+117201*x+64)/(x-1)^7$  ogf ]  
A017329 18.4380 [  $5*(x+1)/(x-1)^2$  ogf ]  
A017329 22.6042  $-1/2*(-5-2*x+(25+40*x)^(1/2))/(-5+x)$  revogf  
A017329 39.3248 [  $[3-x]$  ogf\_with\_Euler\_transform ]  
A017329 45.2084  $-(x+3)/(x-1)/(x+1)$  lgdogf  
A017329 9.99648 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 5, a(1) = 15\}$ , ogf ]  
A017330 12.4797 [  $-25*(x^2+6*x+1)/(x-1)^3$  ogf ]  
A017330 25.6978  $-(9+14*x+x^2)/(x-1)/(x^2+6*x+1)$  lgdogf  
A017330 6.93319 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 25, a(1) = 225, a(2) = 625\}$ , ogf ]  
A017331 11.0743  $-(27+115*x+x^3+49*x^2)/(x-1)/(x+1)/(x^2+22*x+1)$  lgdogf  
A017331 6.12682 [  $125*(x+1)*(x^2+22*x+1)/(x-1)^4$  ogf ]  
A017332 4.86806 [  $-625*(x^4+76*x^3+230*x^2+76*x+1)/(x-1)^5$  ogf ]  
A017332 8.20369  $-(81+764*x+156*x^3+918*x^2+x^4)/(x-1)/(x^4+76*x^3+230*x^2+76*x+1)$  lgdogf  
A017333 3.66294 [  $3125*(x+1)*(x^4+236*x^3+1446*x^2+236*x+1)/(x-1)^6$  ogf ]  
A017334 4.16448 [  $-15625*(x^6+722*x^5+10543*x^4+23548*x^3+10543*x^2+722*x+1)/(x-1)^7$  ogf ]  
A017341 18.4380 [  $2*(2*x+3)/(x-1)^2$  ogf ]  
A017341 28.0604  $-(-3-x+(9+10*x)^(1/2))/(-4+x)$  revogf  
A017341 36.9887  $-2*(x+4)/(3+2*x)/(x-1)$  lgdogf  
A017341 9.99648 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 6, a(1) = 16\}$ , ogf ]  
A017342 11.5224 [  $-4*(x+9)*(4*x+1)/(x-1)^3$  ogf ]



A017342 19.3321  $-2*(32+41*x+2*x^2)/(x-1)/(x+9)/(4*x+1)$  lgdogf  
A017342 6.40133  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 36, a(1) = 256, a(2) = 676\},$  ogf]  
A017343 6.23452  $[ 8*(8*x^3+311*x^2+404*x+27)/(x-1)^4$  ogf]  
A017343 8.87503  $-2*(256+917*x+4*x^3+323*x^2)/(x-1)/(8*x^3+311*x^2+404*x+27)$  lgdogf  
A017344 4.85150  $[ -16*(16*x^4+2321*x^3+8891*x^2+3691*x+81)/(x-1)^5$  ogf]  
A017344 6.30865  $-2*(2048+16273*x+2353*x^3+16818*x^2+8*x^4)/(x-1)/(16*x^4+2321*x^3+8891*x^2+3691*x+81)$  lgdogf  
A017345 3.67714  $[ 32*(32*x^5+16615*x^4+148470*x^3+178330*x^2+31310*x+243)/(x-1)^6$  ogf]  
A017346 4.23567  $[ -64*(64*x^6+117201*x^5+2163785*x^4+5704070*x^3+3007110*x^2+257041*x+729)/(x-1)^7$  ogf]  
A017353 18.4380  $[ (3*x+7)/(x-1)^2$  ogf]  
A017353 22.6042  $-1/2*(-7-2*x+(49+40*x)^(1/2))/(-3+x)$  revogf  
A017353 35.3805  $-(17+3*x)/(7+3*x)/(x-1)$  lgdogf  
A017353 9.99648  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 7, a(1) = 17\},$  ogf]  
A017354 13.6878  $-(289+302*x+9*x^2)/(x-1)/(9*x^2+142*x+49)$  lgdogf  
A017354 4.91285  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 49, a(1) = 289, a(2) = 729\},$  ogf]  
A017354 8.98130  $[ -(9*x^2+142*x+49)/(x-1)^3$  ogf]  
A017355 6.27098  $[ (27*x^3+2089*x^2+3541*x+343)/(x-1)^4$  ogf]  
A017355 7.98125  $-(4913+14801*x+27*x^3+4259*x^2)/(x-1)/(27*x^3+2089*x^2+3541*x+343)$  lgdogf  
A017356 4.92155  $[ -(81*x^4+28156*x^3+137846*x^2+71516*x+2401)/(x-1)^5$  ogf]  
A017356 5.73650  $-(83521+561756*x+56636*x^3+81*x^4+498006*x^2)/(x-1)/(81*x^4+28156*x^3+137846*x^2+71516*x+2401)$  lgdogf  
A017357 3.69724  $[ (243*x^5+369835*x^4+4212230*x^3+6081870*x^2+1319015*x+16807)/(x-1)^6$  ogf]  
A017358 4.30510  $[ - (729*x^6+4821706*x^5+114263535*x^4+356554220*x^3+220928135*x^2+23314026*x+117649)/(x-1)^7$  ogf]  
A017365 18.4380  $[ 2*(x+4)/(x-1)^2$  ogf]  
A017365 27.1251  $-(-4-x+(16+10*x)^(1/2))/(-2+x)$  revogf  
A017365 45.2084  $-(x+9)/(x+4)/(x-1)$  lgdogf  
A017365 9.99648  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 8, a(1) = 18\},$  ogf]  
A017366 16.5058  $-(81+68*x+x^2)/(x-1)/(x^2+33*x+16)$  lgdogf  
A017366 4.91285  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 64, a(1) = 324, a(2) = 784\},$  ogf]  
A017366 8.98130  $[ -4*(x^2+33*x+16)/(x-1)^3$  ogf]  
A017367 12.4510  $-(729+1843*x+x^3+427*x^2)/(x-1)/(x^3+212*x^2+473*x+64)$  lgdogf  
A017367 8.06512  $[ 8*(x^3+212*x^2+473*x+64)/(x-1)^4$  ogf]  
A017368 4.97505  $[ -16*(x^4+1291*x^3+8171*x^2+5281*x+256)/(x-1)^5$  ogf]  
A017368 6.90156  $-(6561+37466*x+2586*x^3+x^4+28386*x^2)/(x-1)/(x^4+1291*x^3+8171*x^2+5281*x+256)$  lgdogf  
A017369 3.72365  $[ 32*(x^5+7770*x^4+114410*x^3+198890*x^2+52905*x+1024)/(x-1)^6$  ogf]  
A017370 4.37997  $[ -64*(x^6+46649*x^5+1444990*x^4+5356030*x^3+3895465*x^2+502769*x+4096)/(x-1)^7$  ogf]  
A017377 18.4380  $[ (x+9)/(x-1)^2$  ogf]  
A017377 23.2501  $-1/2*(-9-2*x+(81+40*x)^(1/2))/(x-1)$  revogf  
A017377 42.8290  $-(x+19)/(x+9)/(x-1)$  lgdogf  
A017377 9.99648  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 9, a(1) = 19\},$  ogf]  
A017378 12.7316  $[ -(x^2+118*x+81)/(x-1)^3$  ogf]  
A017378 15.1675  $-(361+238*x+x^2)/(x-1)/(x^2+118*x+81)$  lgdogf  
A017378 6.96427  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 81, a(1) = 361, a(2) = 841\},$  ogf]  
A017379 6.34475  $[ (x^3+1327*x^2+3943*x+729)/(x-1)^4$  ogf]  
A017379 8.77937  $-(6859+14483*x+x^3+2657*x^2)/(x-1)/(x^3+1327*x^2+3943*x+729)$

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lgdogf
A017380 5.01987 [ -(x^4+14636*x^3+121286*x^2+97516*x+6561)/(x-1)^5 ogf]
A017380 6.12610 [ -(130321+632636*x+29276*x^3+x^4+407766*x^2)/(x-1)/
(x^4+14636*x^3+121286*x^2+97516*x+6561) lgdogf
A017381 3.77082 [ (x^5+161045*x^4+3117810*x^3+6540290*x^2+2121805*x+59049)/
(x-1)^6 ogf]
A017382 4.44215 [ -
(x^6+1771554*x^5+73365215*x^4+324343580*x^3+276662415*x^2+43325794*x+531441)/
(x-1)^7 ogf]
A017389 12.4470 [ -(15-142*x+315*x^2)/(-1+3*x)/(7*x-1)/(5*x-1) lgdogf
A017389 13.6450 [ -1/(3*x-1)/(7*x-1)/(5*x-1) ogf]
A017389 4.70121 [ {a(n+3)-15*a(n+2)+71*a(n+1)-105*a(n), a(0) = 1, a(1) = 15, a(2)
= 154}, ogf]
A017390 26.9384 [[4-x] ogf_with_Euler_transform]
A017390 28.0599 [ -2*(x+2)/(x-1)/(x+1) lgdogf
A017390 4.96871 [ {a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 121, a(2) =
484}, ogf]
A017390 9.36725 [ -121*x*(x+1)/(x-1)^3 ogf]
A017391 17.3800 [ -2*(4+7*x+x^2)/(x-1)/(x^2+4*x+1) lgdogf
A017391 6.89870 [ 1331*x*(x^2+4*x+1)/(x-1)^4 ogf]
A017392 4.94707 [ -14641*x*(x+1)*(x^2+10*x+1)/(x-1)^5 ogf]
A017393 3.68110 [ 161051*x*(x^4+26*x^3+66*x^2+26*x+1)/(x-1)^6 ogf]
A017393 7.62787 [ -2*(16+131*x+x^4+41*x^3+171*x^2)/(x-1)/(x^4+26*x^3+66*x^2+26*x
+1) lgdogf
A017394 5.54061 [ -1771561*x*(x+1)*(x^4+56*x^3+246*x^2+56*x+1)/(x-1)^7 ogf]
A017401 11.7383 [ {-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 12}, ogf]
A017401 21.1799 [ (10*x+1)/(x-1)^2 ogf]
A017401 26.6065 [ -1/2*(-1-2*x+(44*x+1)^(1/2))/(-10+x) revogf
A017401 38.3133 [ -2*(6+5*x)/(10*x+1)/(x-1) lgdogf
A017402 13.1302 [ -2*(2*x+9)*(25*x+8)/(x-1)/(100*x^2+141*x+1) lgdogf
A017402 4.98452 [ {a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 144, a(2) =
529}, ogf]
A017402 8.89545 [ -(100*x^2+141*x+1)/(x-1)^3 ogf]
A017403 6.65173 [ (1000*x^3+5261*x^2+1724*x+1)/(x-1)^4 ogf]
A017403 8.34831 [ -2*(864+7847*x+500*x^3+6761*x^2)/(x-1)/(1000*x^3+5261*x^2+1724*x
+1) lgdogf
A017404 4.82498 [ -(10000*x^4+144481*x^3+176171*x^2+20731*x+1)/(x-1)^5 ogf]
A017405 3.61687 [ (100000*x^5+3484101*x^4+10549826*x^3+4943366*x^2+248826*x+1)/
(x-1)^6 ogf]
A017406 4.20215 [ -
(1000000*x^6+78766121*x^5+494378977*x^4+571258822*x^3+127134022*x^2+2985977*x
+1)/(x-1)^7 ogf]
A017413 10.0445 [ {-a(n+2)+2*a(n+1)-a(n), a(0) = 2, a(1) = 13}, ogf]
A017413 18.5266 [ (9*x+2)/(x-1)^2 ogf]
A017413 29.2050 [ -(-1-x+(1+11*x)^(1/2))/(x-9) revogf
A017413 35.5540 [ -(13+9*x)/(9*x+2)/(x-1) lgdogf
A017414 13.4428 [ -(169+476*x+81*x^2)/(x-1)/(81*x^2+157*x+4) lgdogf
A017414 4.98452 [ {a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 4, a(1) = 169, a(2) =
576}, ogf]
A017414 9.03444 [ -(81*x^2+157*x+4)/(x-1)^3 ogf]
A017415 6.72999 [ (729*x^3+5084*x^2+2165*x+8)/(x-1)^4 ogf]
A017415 8.34831 [ -(2197+16663*x+729*x^3+12355*x^2)/(x-1)/(729*x^3+5084*x^2+2165*x
+8) lgdogf
A017416 4.90451 [ -(6561*x^4+127195*x^3+189131*x^2+28481*x+16)/(x-1)^5 ogf]
A017416 5.53293 [ -(28561+492186*x+280634*x^3+6561*x^4+948978*x^2)/(x-1)/
(6561*x^4+127195*x^3+189131*x^2+28481*x+16) lgdogf
A017417 5.03101 [ (59049*x^5+2845706*x^4+10314886*x^3+5735346*x^2+371101*x+32)/
(x-1)^6 ogf]
A017418 4.22549 [ -
(531441*x^6+60279913*x^5+450663942*x^4+601905542*x^3+157316657*x^2+4826361*x
+64)/(x-1)^7 ogf]

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A017425 10.0445 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 3, a(1) = 14\}$ , ogf]  
A017425 18.5266 [ $(8*x+3)/(x-1)^2$  ogf]  
A017425 23.3640  $-1/2*(-3-2*x+(9+44*x)^{1/2})/(-8+x)$  revogf  
A017425 34.0725  $-2*(7+4*x)/(8*x+3)/(x-1)$  lgdogf  
A017426 13.1302  $-2*(98+233*x+32*x^2)/(x-1)/(64*x^2+169*x+9)$  lgdogf  
A017426 4.98452 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 9, a(1) = 196, a(2) = 625\}$ , ogf]  
A017426 9.03444 [ $-(64*x^2+169*x+9)/(x-1)^3$  ogf]  
A017427 6.30744 [ $(512*x^3+4811*x^2+2636*x+27)/(x-1)^4$  ogf]  
A017427 7.79261  $-2*(1372+8765*x+256*x^3+5579*x^2)/(x-1)/(512*x^3+4811*x^2+2636*x+27)$  lgdogf  
A017428 4.90451 [ $-(4096*x^4+109841*x^3+199355*x^2+38011*x+81)/(x-1)^5$  ogf]  
A017428 5.42227  $-2*(19208+275377*x+118033*x^3+2048*x^4+463794*x^2)/(x-1)/(4096*x^4+109841*x^3+199355*x^2+38011*x+81)$  lgdogf  
A017429 3.65705 [ $(32768*x^5+2279491*x^4+9934926*x^3+6542326*x^2+536366*x+243)/(x-1)^6$  ogf]  
A017430 4.25881 [ $-(262144*x^6+45210873*x^5+405183857*x^4+625892702*x^3+191449182*x^2+7524433*x+729)/(x-1)^7$  ogf]  
A017437 10.0445 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 4, a(1) = 15\}$ , ogf]  
A017437 18.5266 [ $(7*x+4)/(x-1)^2$  ogf]  
A017437 28.1980  $-(-2-x+(4+11*x)^{1/2})/(-7+x)$  revogf  
A017437 35.5540  $-(15+7*x)/(7*x+4)/(x-1)$  lgdogf  
A017438 13.2093  $-(225+452*x+49*x^2)/(x-1)/(49*x^2+177*x+16)$  lgdogf  
A017438 4.97098 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 16, a(1) = 225, a(2) = 676\}$ , ogf]  
A017438 8.94777 [ $-(49*x^2+177*x+16)/(x-1)^3$  ogf]  
A017439 6.30744 [ $(343*x^3+4460*x^2+3119*x+64)/(x-1)^4$  ogf]  
A017439 7.90892  $-(3375+18277*x+343*x^3+9949*x^2)/(x-1)/(343*x^3+4460*x^2+3119*x+64)$  lgdogf  
A017440 4.93103 [ $-(2401*x^4+92971*x^3+206411*x^2+49345*x+256)/(x-1)^5$  ogf]  
A017440 5.56350  $-(50625+610202*x+195546*x^3+2401*x^4+898146*x^2)/(x-1)/(2401*x^4+92971*x^3+206411*x^2+49345*x+256)$  lgdogf  
A017441 3.67120 [ $(16807*x^5+1788726*x^4+9425846*x^3+7340486*x^2+753231*x+1024)/(x-1)^6$  ogf]  
A017442 4.25550 [ $-(117649*x^6+33188681*x^5+359208382*x^4+642375742*x^3+229267417*x^2+11361953*x+4096)/(x-1)^7$  ogf]  
A017449 10.0445 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 5, a(1) = 16\}$ , ogf]  
A017449 18.5266 [ $(6*x+5)/(x-1)^2$  ogf]  
A017449 22.7150  $-1/2*(-5-2*x+(25+44*x)^{1/2})/(-6+x)$  revogf  
A017449 34.0725  $-2*(8+3*x)/(6*x+5)/(x-1)$  lgdogf  
A017450 12.6222  $-2*(128+217*x+18*x^2)/(x-1)/(36*x^2+181*x+25)$  lgdogf  
A017450 4.97098 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 25, a(1) = 256, a(2) = 729\}$ , ogf]  
A017450 8.94777 [ $-(36*x^2+181*x+25)/(x-1)^3$  ogf]  
A017451 6.27098 [ $(216*x^3+4049*x^2+3596*x+125)/(x-1)^4$  ogf]  
A017451 7.72512  $-2*(2048+9443*x+108*x^3+4373*x^2)/(x-1)/(216*x^3+4049*x^2+3596*x+125)$  lgdogf  
A017452 4.93103 [ $-(1296*x^4+77041*x^3+210011*x^2+62411*x+625)/(x-1)^5$  ogf]  
A017452 5.56350  $-2*(32768+334833*x+79633*x^3+648*x^4+430578*x^2)/(x-1)/(1296*x^4+77041*x^3+210011*x^2+62411*x+625)$  lgdogf  
A017453 3.71111 [ $(7776*x^5+1373201*x^4+8807866*x^3+8104326*x^2+1029826*x+3125)/(x-1)^6$  ogf]  
A017454 4.27826 [ $-(46656*x^6+23810977*x^5+313907097*x^4+650767622*x^3+270308102*x^2+16667841*x+15625)/(x-1)^7$  ogf]  
A017461 10.0445 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 6, a(1) = 17\}$ , ogf]  
A017461 18.5266 [ $(5*x+6)/(x-1)^2$  ogf]  
A017461 28.1980  $-(-3-x+(9+11*x)^{1/2})/(-5+x)$  revogf  
A017461 35.5540  $-(17+5*x)/(6+5*x)/(x-1)$  lgdogf

A017462 13.2093  $-(289+412*x+25*x^2)/(x-1)/(36+181*x+25*x^2)$  lgdogf  
A017462 4.97098  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 36, a(1) = 289, a(2) = 784\},$  ogf]  
A017462 8.94777  $[ -(25*x^2+181*x+36)/(x-1)^3$  ogf]  
A017463 6.27098  $[ (125*x^3+3596*x^2+4049*x+216)/(x-1)^4$  ogf]  
A017463 7.83873  $-(4913+19339*x+125*x^3+7567*x^2)/(x-1)/(216+4049*x+3596*x^2+125*x^3)$  lgdogf  
A017464 4.95754  $[ -(625*x^4+62411*x^3+210011*x^2+77041*x+1296)/(x-1)^5$  ogf]  
A017464 5.65174  $-(83521+728186*x+127322*x^3+625*x^4+817266*x^2)/(x-1)/(625*x^4+62411*x^3+210011*x^2+77041*x+1296)$  lgdogf  
A017465 3.71111  $[ (3125*x^5+1029826*x^4+8104326*x^3+8807866*x^2+1373201*x+7776)/(x-1)^6$  ogf]  
A017466 4.27826  $[ -(15625*x^6+16667841*x^5+270308102*x^4+650767622*x^3+313907097*x^2+23810977*x+46656)/(x-1)^7$  ogf]  
A017473 10.0445  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 7, a(1) = 18\},$  ogf]  
A017473 18.5266  $[ (4*x+7)/(x-1)^2$  ogf]  
A017473 22.7150  $-1/2*(-7-2*x+(49+44*x)^(1/2))/(-4+x)$  revogf  
A017473 34.0725  $-2*(9+2*x)/(7+4*x)/(x-1)$  lgdogf  
A017474 12.9091  $-2*(162+193*x+8*x^2)/(x-1)/(49+177*x+16*x^2)$  lgdogf  
A017474 4.97098  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 49, a(1) = 324, a(2) = 841\},$  ogf]  
A017474 8.94777  $[ -(16*x^2+177*x+49)/(x-1)^3$  ogf]  
A017475 6.38036  $[ (64*x^3+3119*x^2+4460*x+343)/(x-1)^4$  ogf]  
A017475 8.00252  $-2*(2916+9809*x+32*x^3+3215*x^2)/(x-1)/(64*x^3+3119*x^2+4460*x+343)$  lgdogf  
A017476 4.98404  $[ -(256*x^4+49345*x^3+206411*x^2+92971*x+2401)/(x-1)^5$  ogf]  
A017476 5.62464  $-2*(52488+392353*x+49857*x^3+128*x^4+383634*x^2)/(x-1)/(256*x^4+49345*x^3+206411*x^2+92971*x+2401)$  lgdogf  
A017477 3.75101  $[ (1024*x^5+753231*x^4+7340486*x^3+9425846*x^2+1788726*x+16807)/(x-1)^6$  ogf]  
A017478 4.30102  $[ -(4096*x^6+11361953*x^5+229267417*x^4+642375742*x^3+359208382*x^2+33188681*x+117649)/(x-1)^7$  ogf]  
A017485 10.5241  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 8, a(1) = 19\},$  ogf]  
A017485 19.4111  $[ (3*x+8)/(x-1)^2$  ogf]  
A017485 28.5800  $-(-4-x+(16+11*x)^(1/2))/(-3+x)$  revogf  
A017485 37.2782  $-(19+3*x)/(8+3*x)/(x-1)$  lgdogf  
A017486 13.8537  $-(361+356*x+9*x^2)/(x-1)/(9*x^2+169*x+64)$  lgdogf  
A017486 4.97098  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 64, a(1) = 361, a(2) = 900\},$  ogf]  
A017486 9.08758  $[ -(9*x^2+169*x+64)/(x-1)^3$  ogf]  
A017487 6.38036  $[ (27*x^3+2636*x^2+4811*x+512)/(x-1)^4$  ogf]  
A017487 8.12377  $-(6859+19705*x+27*x^3+5353*x^2)/(x-1)/(27*x^3+2636*x^2+4811*x+512)$  lgdogf  
A017488 4.98404  $[ -(81*x^4+38011*x^3+199355*x^2+109841*x+4096)/(x-1)^5$  ogf]  
A017488 5.74182  $-(130321+838074*x+76346*x^3+81*x^4+712098*x^2)/(x-1)/(81*x^4+38011*x^3+199355*x^2+109841*x+4096)$  lgdogf  
A017489 3.77761  $[ (243*x^5+536366*x^4+6542326*x^3+9934926*x^2+2279491*x+32768)/(x-1)^6$  ogf]  
A017490 3.90952  $[ -(729*x^6+7524433*x^5+191449182*x^4+625892702*x^3+405183857*x^2+45210873*x+262144)/(x-1)^7$  ogf]  
A017497 10.0445  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 9, a(1) = 20\},$  ogf]  
A017497 18.5266  $[ (2*x+9)/(x-1)^2$  ogf]  
A017497 22.7150  $-1/2*(-9-2*x+(81+44*x)^(1/2))/(-2+x)$  revogf  
A017497 35.5540  $-2*(10+x)/(9+2*x)/(x-1)$  lgdogf  
A017498 13.2884  $-2*(200+161*x+2*x^2)/(x-1)/(4*x^2+157*x+81)$  lgdogf  
A017498 5.00005  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 81, a(1) = 400, a(2) = 961\},$  ogf]  
A017498 9.14072  $[ -(4*x^2+157*x+81)/(x-1)^3$  ogf]

A017499 6.45542 [  $(8*x^3+2165*x^2+5084*x+729)/(x-1)^4$  ogf]  
A017499 8.24875  $-2*(4000+9791*x+4*x^3+2177*x^2)/(x-1)/(8*x^3+2165*x^2+5084*x+729)$  lgdogf  
A017500 4.98404 [  $-(16*x^4+28481*x^3+189131*x^2+127195*x+6561)/(x-1)^5$  ogf]  
A017500 5.74182  $-2*(80000+443521*x+28513*x^3+8*x^4+326418*x^2)/(x-1)/(16*x^4+28481*x^3+189131*x^2+127195*x+6561)$  lgdogf  
A017501 3.46082 [  $(32*x^5+371101*x^4+5735346*x^3+10314886*x^2+2845706*x+59049)/(x-1)^6$  ogf]  
A017502 4.41225 [  $-(64*x^6+4826361*x^5+157316657*x^4+601905542*x^3+450663942*x^2+60279913*x+531441)/(x-1)^7$  ogf]  
A017509 17.7800 [  $(x+10)/(x-1)^2$  ogf]  
A017509 27.6551  $-(-5-x+(25+11*x)^(1/2))/(x-1)$  revogf  
A017509 40.0999  $-(21+x)/(x+10)/(x-1)$  lgdogf  
A017509 9.73667 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 10, a(1) = 21\}$ , ogf]  
A017510 14.4439  $-(441+284*x+x^2)/(x-1)/(x^2+141*x+100)$  lgdogf  
A017510 4.72554 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 100, a(1) = 441, a(2) = 1024\}$ , ogf]  
A017510 8.65137 [  $-(x^2+141*x+100)/(x-1)^3$  ogf]  
A017511 8.84105  $-(9261+19231*x+x^3+3451*x^2)/(x-1)/(x^3+1724*x^2+5261*x+1000)$  lgdogf  
A017511 9.00557 [  $(x^3+1724*x^2+5261*x+1000)/(x-1)^4$  ogf]  
A017512 5.66238  $-(194481+930266*x+x^4+41466*x^3+590706*x^2)/(x-1)/(x^4+20731*x^3+176171*x^2+144481*x+10000)$  lgdogf  
A017512 6.58110 [  $-(x^4+20731*x^3+176171*x^2+144481*x+10000)/(x-1)^5$  ogf]  
A017513 4.86540 [  $(x^5+248826*x^4+4943366*x^3+10549826*x^2+3484101*x+100000)/(x-1)^6$  ogf]  
A017514 4.45895 [  $-(x^6+2985977*x^5+127134022*x^4+571258822*x^3+494378977*x^2+78766121*x+1000000)/(x-1)^7$  ogf]  
A017521 12.9823  $-2*(8-79*x+180*x^2)/(3*x-1)/(-1+8*x)/(5*x-1)$  lgdogf  
A017521 14.2195 [  $-1/(3*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A017521 4.89915 [  $\{a(n+3)-16*a(n+2)+79*a(n+1)-120*a(n), a(0) = 1, a(1) = 16, a(2) = 177\}$ , ogf]  
A017522 27.4194 [[4-x] ogf\_with\_Euler\_transform]  
A017522 28.5701  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A017522 5.05743 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 144, a(2) = 576\}$ , ogf]  
A017522 9.53451 [  $-144*x*(x+1)/(x-1)^3$  ogf]  
A017523 22.3882  $-2*(4+7*x+x^2)/(x-1)/(x^2+4*x+1)$  lgdogf  
A017523 3.50928 [  $\{(n+3)*a(n+4)+(-2+3*n)*a(n+3)+(-17-3*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 1728, a(2) = 13824, a(3) = 46656\}$ , ogf]  
A017523 8.85878 [  $1728*x*(x^2+4*x+1)/(x-1)^4$  ogf]  
A017524 10.6501  $-2*(8+33*x+x^3+18*x^2)/(x-1)/(x+1)/(x^2+10*x+1)$  lgdogf  
A017524 4.67328 [  $-20736*x*(x+1)*(x^2+10*x+1)/(x-1)^5$  ogf]  
A017525 3.72247 [  $248832*x*(x^4+26*x^3+66*x^2+26*x+1)/(x-1)^6$  ogf]  
A017526 5.66511 [  $-2985984*x*(x+1)*(x^4+56*x^3+246*x^2+56*x+1)/(x-1)^7$  ogf]  
A017533 10.0445 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 13\}$ , ogf]  
A017533 18.1238 [  $(11*x+1)/(x-1)^2$  ogf]  
A017533 22.7150  $-1/2*(-1-2*x+(1+48*x)^(1/2))/(-11+x)$  revogf  
A017533 32.7096  $-(13+11*x)/(11*x+1)/(x-1)$  lgdogf  
A017534 12.9864  $-(169+574*x+121*x^2)/(x-1)/(121*x^2+166*x+1)$  lgdogf  
A017534 5.04316 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 169, a(2) = 625\}$ , ogf]  
A017534 9.00009 [  $-(121*x^2+166*x+1)/(x-1)^3$  ogf]  
A017535 3.70891 [  $\{(1788*n^2+7609*n+8066)*a(n+1)+(-2160*n^2-5224*n-8399)*a(n+2)+(372*n^2+1863*n+2241)*a(n+3), a(0) = 1, a(1) = 2197, a(2) = 15625\}$ , ogf]  
A017535 7.72512  $-(2197+20265*x+1331*x^3+17679*x^2)/(x-1)/(1331*x^3+6843*x^2+2193*x+1)$  lgdogf  
A017535 8.92726 [  $(1331*x^3+6843*x^2+2193*x+1)/(x-1)^4$  ogf]  
A017536 4.53392 [  $-(14641*x^4+206636*x^3+247830*x^2+28556*x+1)/(x-1)^5$  ogf]

A017536 5.00555  $-(28561+609884*x+14641*x^4+471836*x^3+1363398*x^2)/(x-1)/(14641*x^4+206636*x^3+247830*x^2+28556*x+1)$  lgdogf  
A017537 3.63696  $[(161051*x^5+5470037*x^4+16319582*x^3+7537882*x^2+371287*x+1)/(x-1)^6$  ogf]  
A017538 4.23567  $[-(1771561*x^6+135634962*x^5+839217183*x^4+958104988*x^3+210352983*x^2+4826802*x+1)/(x-1)^7$  ogf]  
A017545 10.0445  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 2, a(1) = 14}]$ , ogf]  
A017545 18.1238  $[2*(5*x+1)/(x-1)^2$  ogf]  
A017545 27.2580  $-(-1-x+(1+12*x)^(1/2))/(-10+x)$  revogf  
A017545 37.1700  $-(5*x+7)/(5*x+1)/(x-1)$  lgdogf  
A017546 14.2850  $-(49+142*x+25*x^2)/(x-1)/(25*x^2+46*x+1)$  lgdogf  
A017546 5.04316  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 4, a(1) = 196, a(2) = 676}]$ , ogf]  
A017546 9.00009  $[-4*(25*x^2+46*x+1)/(x-1)^3$  ogf]  
A017547 10.1880  $-(343+2679*x+125*x^3+2037*x^2)/(-1+x)/(125*x^3+831*x^2+339*x+1)$  lgdogf  
A017547 7.61486  $[8*(125*x^3+831*x^2+339*x+1)/(x-1)^4$  ogf]  
A017548 4.51997  $[-16*(625*x^4+11516*x^3+16566*x^2+2396*x+1)/(x-1)^5$  ogf]  
A017548 5.72158  $-(2401+42716*x+625*x^4+25532*x^3+84246*x^2)/(x-1)/(625*x^4+11516*x^3+16566*x^2+2396*x+1)$  lgdogf  
A017549 3.65125  $[32*(3125*x^5+142301*x^4+500426*x^3+270466*x^2+16801*x+1)/(x-1)^6$  ogf]  
A017550 4.18724  $[-64*(15625*x^6+1662186*x^5+12064767*x^4+15728812*x^3+4003287*x^2+117642*x+1)/(x-1)^7$  ogf]  
A017557 10.0445  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 3, a(1) = 15}]$ , ogf]  
A017557 18.5266  $[3*(3*x+1)/(x-1)^2$  ogf]  
A017557 24.0512  $-1/2*(-3-2*x+(9+48*x)^(1/2))/(x-9)$  revogf  
A017557 37.1700  $-(5+3*x)/(3*x+1)/(x-1)$  lgdogf  
A017558 15.4433  $-(25+62*x+9*x^2)/(x-1)/(9*x^2+22*x+1)$  lgdogf  
A017558 5.04316  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 9, a(1) = 225, a(2) = 729}]$ , ogf]  
A017558 9.14072  $[-9*(9*x^2+22*x+1)/(x-1)^3$  ogf]  
A017559 6.38036  $[27*(27*x^3+235*x^2+121*x+1)/(x-1)^4$  ogf]  
A017559 9.24429  $-(125+833*x+27*x^3+551*x^2)/(x-1)/(27*x^3+235*x^2+121*x+1)$  lgdogf  
A017560 4.55997  $[-81*(81*x^4+1996*x^3+3446*x^2+620*x+1)/(x-1)^5$  ogf]  
A017560 6.29374  $-(625+9372*x+81*x^4+4316*x^3+16326*x^2)/(x-1)/(81*x^4+1996*x^3+3446*x^2+620*x+1)$  lgdogf  
A017561 3.69115  $[243*(243*x^5+15349*x^4+63854*x^3+40314*x^2+3119*x+1)/(x-1)^6$  ogf]  
A017562 4.25550  $[-729*(729*x^6+112546*x^5+963327*x^4+1434812*x^3+422087*x^2+15618*x+1)/(x-1)^7$  ogf]  
A017569 18.1751  $[4*(2*x+1)/(x-1)^2$  ogf]  
A017569 26.7333  $-(-2-x+2*(1+3*x)^(1/2))/(-8+x)$  revogf  
A017569 36.4545  $-2*(x+2)/(1+2*x)/(x-1)$  lgdogf  
A017569 9.85398  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 4, a(1) = 16}]$ , ogf]  
A017570 14.8343  $-2*(x+8)*(2*x+1)/(x-1)/(4*x^2+13*x+1)$  lgdogf  
A017570 4.80632  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 16, a(1) = 256, a(2) = 784}]$ , ogf]  
A017570 8.65137  $[-16*(4*x^2+13*x+1)/(x-1)^3$  ogf]  
A017571 6.41681  $[64*(8*x^3+93*x^2+60*x+1)/(x-1)^4$  ogf]  
A017571 9.80553  $-2*(32+183*x+4*x^3+105*x^2)/(x-1)/(8*x^3+93*x^2+60*x+1)$  lgdogf  
A017572 4.57163  $[-256*(16*x^4+545*x^3+1131*x^2+251*x+1)/(x-1)^5$  ogf]  
A017572 6.53062  $-2*(128+1633*x+8*x^4+577*x^3+2514*x^2)/(x-1)/(16*x^4+545*x^3+1131*x^2+251*x+1)$  lgdogf  
A017573 3.71248  $[1024*(32*x^5+2933*x^4+14498*x^3+10678*x^2+1018*x+1)/(x-1)^6$  ogf]  
A017581 18.1751  $[(7*x+5)/(x-1)^2$  ogf]

A017581 22.2777  $-1/2*(-5-2*x+(25+48*x)^(1/2))/(-7+x)$  revogf  
A017581 34.8695  $-(17+7*x)/(7*x+5)/(x-1)$  lgdogf  
A017581 9.85398  $[-a(n+2)+2*a(n+1)-a(n), a(0) = 5, a(1) = 17]$ , ogf]  
A017582 12.8427  $-(289+526*x+49*x^2)/(x-1)/(49*x^2+214*x+25)$  lgdogf  
A017582 4.83509  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 25, a(1) = 289, a(2) = 841}]$ , ogf]  
A017582 8.70317  $[-(49*x^2+214*x+25)/(x-1)^3]$  ogf]  
A017583 6.37910  $[(343*x^3+5487*x^2+4413*x+125)/(x-1)^4]$  ogf]  
A017583 7.86145  $-(4913+24213*x+343*x^3+12003*x^2)/(x-1)/(343*x^3+5487*x^2+4413*x+125)$  lgdogf  
A017584 4.57163  $[-(2401*x^4+118316*x^3+295926*x^2+80396*x+625)/(x-1)^5]$  ogf]  
A017584 5.09388  $-(83521+913436*x+2401*x^4+246236*x^3+1242726*x^2)/(x-1)/(2401*x^4+118316*x^3+295926*x^2+80396*x+625)$  lgdogf  
A017585 3.71248  $[(16807*x^5+2375257*x^4+14024662*x^3+12038882*x^2+1401107*x+3125)/(x-1)^6]$  ogf]  
A017593 10.0926  $[-a(n+2)+2*a(n+1)-a(n), a(0) = 6, a(1) = 18]$ , ogf]  
A017593 18.6152  $[6*(x+1)/(x-1)^2]$  ogf]  
A017593 28.3355  $-(-3-x+(9+12*x)^(1/2))/(-6+x)$  revogf  
A017593 39.7029  $[[3-x]$  ogf\_with\_Euler\_transform]  
A017593 45.6517  $-(x+3)/(x-1)/(x+1)$  lgdogf  
A017594 17.8141  $-(9+14*x+x^2)/(x-1)/(x^2+6*x+1)$  lgdogf  
A017594 4.83509  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 36, a(1) = 324, a(2) = 900}]$ , ogf]  
A017594 8.70317  $[-36*(x^2+6*x+1)/(x-1)^3]$  ogf]  
A017595 11.5413  $-(27+115*x+x^3+49*x^2)/(x-1)/(x+1)/(x^2+22*x+1)$  lgdogf  
A017595 6.37910  $[216*(x+1)*(x^2+22*x+1)/(x-1)^4]$  ogf]  
A017596 4.62329  $[-1296*(x^4+76*x^3+230*x^2+76*x+1)/(x-1)^5]$  ogf]  
A017596 7.92734  $-(81+764*x+x^4+156*x^3+918*x^2)/(x-1)/(x^4+76*x^3+230*x^2+76*x+1)$  lgdogf  
A017597 3.73826  $[7776*(x+1)*(x^4+236*x^3+1446*x^2+236*x+1)/(x-1)^6]$  ogf]  
A017597 6.05721  $-(243+4549*x+x^5+11774*x^2+5994*x^3+479*x^4)/(x-1)/(x+1)/(x^4+236*x^3+1446*x^2+236*x+1)$  lgdogf  
A017605 18.1751  $[(5*x+7)/(x-1)^2]$  ogf]  
A017605 22.2777  $-1/2*(-7-2*x+(49+48*x)^(1/2))/(-5+x)$  revogf  
A017605 34.8695  $-(5*x+19)/(5*x+7)/(x-1)$  lgdogf  
A017605 9.85398  $[-a(n+2)+2*a(n+1)-a(n), a(0) = 7, a(1) = 19]$ , ogf]  
A017606 12.8427  $-(361+478*x+25*x^2)/(x-1)/(49+214*x+25*x^2)$  lgdogf  
A017606 4.83509  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 49, a(1) = 361, a(2) = 961}]$ , ogf]  
A017606 8.70317  $[-(25*x^2+214*x+49)/(x-1)^3]$  ogf]  
A017607 6.37910  $[(125*x^3+4413*x^2+5487*x+343)/(x-1)^4]$  ogf]  
A017607 7.97706  $-(6859+25287*x+125*x^3+9201*x^2)/(x-1)/(343+5487*x+4413*x^2+125*x^3)$  lgdogf  
A017608 4.62329  $[-(625*x^4+80396*x^3+295926*x^2+118316*x+2401)/(x-1)^5]$  ogf]  
A017608 5.10175  $-(130321+1065116*x+625*x^4+163292*x^3+1128966*x^2)/(x-1)/(625*x^4+80396*x^3+295926*x^2+118316*x+2401)$  lgdogf  
A017609 3.40359  $[(3125*x^5+1401107*x^4+12038882*x^3+14024662*x^2+2375257*x+16807)/(x-1)^6]$  ogf]  
A017617 18.1751  $[4*(x+2)/(x-1)^2]$  ogf]  
A017617 26.7333  $-(-4-x+2*(4+3*x)^(1/2))/(-4+x)$  revogf  
A017617 44.5555  $-(x+5)/(x+2)/(x-1)$  lgdogf  
A017617 9.85398  $[-a(n+2)+2*a(n+1)-a(n), a(0) = 8, a(1) = 20]$ , ogf]  
A017618 16.8365  $-(25+28*x+x^2)/(x-1)/(x^2+13*x+4)$  lgdogf  
A017618 4.82266  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 64, a(1) = 400, a(2) = 1024}]$ , ogf]  
A017618 8.75498  $[-16*(x^2+13*x+4)/(x-1)^3]$  ogf]  
A017619 10.8488  $-(125+399*x+x^3+123*x^2)/(x-1)/(x^3+60*x^2+93*x+8)$  lgdogf  
A017619 6.45328  $[64*(x^3+60*x^2+93*x+8)/(x-1)^4]$  ogf]  
A017620 4.64911  $[-256*(x^4+251*x^3+1131*x^2+545*x+16)/(x-1)^5]$  ogf]  
A017620 7.19752  $-(625+4442*x+x^4+506*x^3+4146*x^2)/(x-1)/(x^4+251*x^3+1131*x^2+545*x+16)$  lgdogf

A017621 3.40359 [  $1024*(x^5+1018*x^4+10678*x^3+14498*x^2+2933*x+32)/(x-1)^6$  ogf]  
A017622 3.89215 [  $-4096*(x^6+4089*x^5+88998*x^4+262438*x^3+154113*x^2+15177*x+64)/(x-1)^7$  ogf]  
A017629 18.1751 [  $3*(x+3)/(x-1)^2$  ogf]  
A017629 22.2777  $-1/2*(-9-2*x+(81+48*x)^{(1/2)})/(-3+x)$  revogf  
A017629 44.5555  $-(7+x)/(x+3)/(x-1)$  lgdogf  
A017629 9.85398 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 9, a(1) = 21\}$ , ogf]  
A017630 16.8365  $-(49+46*x+x^2)/(x-1)/(x^2+22*x+9)$  lgdogf  
A017630 4.82266 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 81, a(1) = 441, a(2) = 1089\}$ , ogf]  
A017630 8.89178 [  $-9*(x^2+22*x+9)/(x-1)^3$  ogf]  
A017631 10.2347  $-(343+947*x+x^3+245*x^2)/(x-1)/(x^3+121*x^2+235*x+27)$  lgdogf  
A017631 6.45328 [  $27*(x^3+121*x^2+235*x+27)/(x-1)^4$  ogf]  
A017632 4.71632 [  $-81*(x^4+620*x^3+3446*x^2+1996*x+81)/(x-1)^5$  ogf]  
A017633 3.47550 [  $243*(x^5+3119*x^4+40314*x^3+63854*x^2+15349*x+243)/(x-1)^6$  ogf]  
A017641 17.8663 [  $2*(x+5)/(x-1)^2$  ogf]  
A017641 26.8656  $-(-5-x+(25+12*x)^{(1/2)})/(-2+x)$  revogf  
A017641 42.4194  $-(x+11)/(x+5)/(x-1)$  lgdogf  
A017641 9.78393 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 10, a(1) = 22\}$ , ogf]  
A017642 15.9706  $-(121+94*x+x^2)/(x-1)/(x^2+46*x+25)$  lgdogf  
A017642 4.81043 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 100, a(1) = 484, a(2) = 1156\}$ , ogf]  
A017642 8.80678 [  $-4*(x^2+46*x+25)/(x-1)^3$  ogf]  
A017643 13.0908  $-(1331+3171*x+x^3+681*x^2)/(x-1)/(x^3+339*x^2+831*x+125)$  lgdogf  
A017643 3.57135 [  $\{(174*n^2+863*n+1030)*a(n+1)+(-756*n^2-5372*n-11713)*a(n+2)+(582*n^2+3285*n+4617)*a(n+3), a(0) = 1000, a(1) = 10648, a(2) = 39304\}$ , ogf]  
A017643 8.67922 [  $8*(x^3+339*x^2+831*x+125)/(x-1)^4$  ogf]  
A017644 4.36091 [  $-16*(x^4+2396*x^3+16566*x^2+11516*x+625)/(x-1)^5$  ogf]  
A017644 5.92173  $-(14641+79196*x+x^4+4796*x^3+56886*x^2)/(x-1)/(x^4+2396*x^3+16566*x^2+11516*x+625)$  lgdogf  
A017645 3.49503 [  $32*(x^5+16801*x^4+270466*x^3+500426*x^2+142301*x+3125)/(x-1)^6$  ogf]  
A017653 17.8663 [  $(x+11)/(x-1)^2$  ogf]  
A017653 21.7829  $-1/2*(-11-2*x+(121+48*x)^{(1/2)})/(x-1)$  revogf  
A017653 40.2984  $-(23+x)/(x+11)/(x-1)$  lgdogf  
A017653 9.78393 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 11, a(1) = 23\}$ , ogf]  
A017654 14.7098  $-(529+334*x+x^2)/(x-1)/(x^2+166*x+121)$  lgdogf  
A017654 4.81043 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 121, a(1) = 529, a(2) = 1225\}$ , ogf]  
A017654 8.80678 [  $-(x^2+166*x+121)/(x-1)^3$  ogf]  
A017655 6.56265 [  $(x^3+2193*x^2+6843*x+1331)/(x-1)^4$  ogf]  
A017655 8.90075  $-(12167+24915*x+x^3+4389*x^2)/(x-1)/(x^3+2193*x^2+6843*x+1331)$  lgdogf  
A017656 4.39950 [  $-(x^4+28556*x^3+247830*x^2+206636*x+14641)/(x-1)^5$  ogf]  
A017656 5.27807  $-(279841+1322204*x+x^4+57116*x^3+829158*x^2)/(x-1)/(x^4+28556*x^3+247830*x^2+206636*x+14641)$  lgdogf  
A017657 5.26853 [  $(x^5+371287*x^4+7537882*x^3+16319582*x^2+5470037*x+161051)/(x-1)^6$  ogf]  
A017713 39.0200  $-50+(1-x)*f(x)$  lgdogf  
A017713 5.26265 [  $\{(-n-2)*a(n+2)+(51+n)*a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A017714 39.2264  $-51+(1-x)*f(x)$  lgdogf  
A017714 6.50017 [  $\{(-n-2)*a(n+2)+(52+n)*a(n+1), a(0) = 1, a(1) = 51\}$ , ogf]  
A017715 39.4329  $-52+(1-x)*f(x)$  lgdogf  
A017715 5.31719 [  $\{(-n-2)*a(n+2)+(53+n)*a(n+1), a(0) = 1, a(1) = 52\}$ , ogf]  
A017716 39.6394  $-53+(1-x)*f(x)$  lgdogf  
A017716 5.34446 [  $\{(-n-2)*a(n+2)+(54+n)*a(n+1), a(0) = 1, a(1) = 53\}$ , ogf]  
A017717 39.6394  $-54+(1-x)*f(x)$  lgdogf  
A017717 5.34446 [  $\{(-n-2)*a(n+2)+(55+n)*a(n+1), a(0) = 1, a(1) = 54\}$ , ogf]  
A017718 40.0523  $-55+(1-x)*f(x)$  lgdogf  
A017718 5.39899 [  $\{(-n-2)*a(n+2)+(56+n)*a(n+1), a(0) = 1, a(1) = 55\}$ , ogf]



A017719 40.2587  $-56+(1-x)*f(x)$  lgdogf  
A017719 5.42626  $[ \{ (-n-2)*a(n+2)+(57+n)*a(n+1), a(0) = 1, a(1) = 56 \}, ogf]$   
A017720 40.2587  $-57+(1-x)*f(x)$  lgdogf  
A017720 5.42626  $[ \{ (-n-2)*a(n+2)+(58+n)*a(n+1), a(0) = 1, a(1) = 57 \}, ogf]$   
A017721 40.4652  $-58+(1-x)*f(x)$  lgdogf  
A017721 5.45353  $[ \{ (-n-2)*a(n+2)+(59+n)*a(n+1), a(0) = 1, a(1) = 58 \}, ogf]$   
A017722 36.2246  $-59+(1-x)*f(x)$  lgdogf  
A017722 4.89129  $[ \{ (-n-2)*a(n+2)+(60+n)*a(n+1), a(0) = 1, a(1) = 59 \}, ogf]$   
A017723 36.2246  $-60+(1-x)*f(x)$  lgdogf  
A017723 4.89129  $[ \{ (-n-2)*a(n+2)+(61+n)*a(n+1), a(0) = 1, a(1) = 60 \}, ogf]$   
A017724 36.4270  $-61+(1-x)*f(x)$  lgdogf  
A017724 4.91803  $[ \{ (-n-2)*a(n+2)+(62+n)*a(n+1), a(0) = 1, a(1) = 61 \}, ogf]$   
A017725 36.6294  $-62+(1-x)*f(x)$  lgdogf  
A017725 4.94475  $[ \{ (-n-2)*a(n+2)+(63+n)*a(n+1), a(0) = 1, a(1) = 62 \}, ogf]$   
A017726 37.0341  $-63+(1-x)*f(x)$  lgdogf  
A017726 4.99821  $[ \{ (-n-2)*a(n+2)+(64+n)*a(n+1), a(0) = 1, a(1) = 63 \}, ogf]$   
A017727 37.4388  $-64+(1-x)*f(x)$  lgdogf  
A017727 5.05167  $[ \{ (-n-2)*a(n+2)+(65+n)*a(n+1), a(0) = 1, a(1) = 64 \}, ogf]$   
A017728 37.6412  $-65+(1-x)*f(x)$  lgdogf  
A017728 5.07840  $[ \{ (-n-2)*a(n+2)+(66+n)*a(n+1), a(0) = 1, a(1) = 65 \}, ogf]$   
A017729 37.8436  $-66+(1-x)*f(x)$  lgdogf  
A017729 5.10512  $[ \{ (-n-2)*a(n+2)+(67+n)*a(n+1), a(0) = 1, a(1) = 66 \}, ogf]$   
A017730 37.8436  $-67+(1-x)*f(x)$  lgdogf  
A017730 5.10512  $[ \{ (-n-2)*a(n+2)+(68+n)*a(n+1), a(0) = 1, a(1) = 67 \}, ogf]$   
A017731 38.0460  $-68+(1-x)*f(x)$  lgdogf  
A017731 5.13185  $[ \{ (-n-2)*a(n+2)+(69+n)*a(n+1), a(0) = 1, a(1) = 68 \}, ogf]$   
A017732 38.4507  $-69+(1-x)*f(x)$  lgdogf  
A017732 5.18531  $[ \{ (-n-2)*a(n+2)+(70+n)*a(n+1), a(0) = 1, a(1) = 69 \}, ogf]$   
A017733 34.2613  $-70+(1-x)*f(x)$  lgdogf  
A017733 4.62970  $[ \{ (-n-2)*a(n+2)+(71+n)*a(n+1), a(0) = 1, a(1) = 70 \}, ogf]$   
A017734 34.2613  $-71+(1-x)*f(x)$  lgdogf  
A017734 4.62970  $[ \{ (-n-2)*a(n+2)+(72+n)*a(n+1), a(0) = 1, a(1) = 71 \}, ogf]$   
A017735 34.2613  $-72+(1-x)*f(x)$  lgdogf  
A017735 4.62970  $[ \{ (-n-2)*a(n+2)+(73+n)*a(n+1), a(0) = 1, a(1) = 72 \}, ogf]$   
A017736 34.4593  $-73+(1-x)*f(x)$  lgdogf  
A017736 4.65586  $[ \{ (-n-2)*a(n+2)+(74+n)*a(n+1), a(0) = 1, a(1) = 73 \}, ogf]$   
A017737 34.4593  $-74+(1-x)*f(x)$  lgdogf  
A017737 4.65586  $[ \{ (-n-2)*a(n+2)+(75+n)*a(n+1), a(0) = 1, a(1) = 74 \}, ogf]$   
A017738 34.6574  $-75+(1-x)*f(x)$  lgdogf  
A017738 4.68202  $[ \{ (-n-2)*a(n+2)+(76+n)*a(n+1), a(0) = 1, a(1) = 75 \}, ogf]$   
A017739 34.6574  $-76+(1-x)*f(x)$  lgdogf  
A017739 4.68202  $[ \{ (-n-2)*a(n+2)+(77+n)*a(n+1), a(0) = 1, a(1) = 76 \}, ogf]$   
A017740 34.6574  $-77+(1-x)*f(x)$  lgdogf  
A017740 4.68202  $[ \{ (-n-2)*a(n+2)+(78+n)*a(n+1), a(0) = 1, a(1) = 77 \}, ogf]$   
A017741 34.8554  $-78+(1-x)*f(x)$  lgdogf  
A017741 6.66666  $[ \{ (-n-2)*a(n+2)+(79+n)*a(n+1), a(0) = 1, a(1) = 78 \}, ogf]$   
A017742 34.8554  $-79+(1-x)*f(x)$  lgdogf  
A017742 4.70817  $[ \{ (-n-2)*a(n+2)+(80+n)*a(n+1), a(0) = 1, a(1) = 79 \}, ogf]$   
A017743 34.8554  $-80+(1-x)*f(x)$  lgdogf  
A017743 4.70817  $[ \{ (-n-2)*a(n+2)+(81+n)*a(n+1), a(0) = 1, a(1) = 80 \}, ogf]$   
A017744 35.0535  $-81+(1-x)*f(x)$  lgdogf  
A017744 4.73433  $[ \{ (-n-2)*a(n+2)+(82+n)*a(n+1), a(0) = 1, a(1) = 81 \}, ogf]$   
A017745 35.0535  $-82+(1-x)*f(x)$  lgdogf  
A017745 4.73433  $[ \{ (-n-2)*a(n+2)+(83+n)*a(n+1), a(0) = 1, a(1) = 82 \}, ogf]$   
A017746 35.0535  $-83+(1-x)*f(x)$  lgdogf  
A017746 4.73433  $[ \{ (-n-2)*a(n+2)+(84+n)*a(n+1), a(0) = 1, a(1) = 83 \}, ogf]$   
A017747 35.2515  $-84+(1-x)*f(x)$  lgdogf  
A017747 4.76048  $[ \{ (-n-2)*a(n+2)+(85+n)*a(n+1), a(0) = 1, a(1) = 84 \}, ogf]$   
A017748 35.2515  $-85+(1-x)*f(x)$  lgdogf  
A017748 4.76048  $[ \{ (-n-2)*a(n+2)+(86+n)*a(n+1), a(0) = 1, a(1) = 85 \}, ogf]$   
A017749 35.8456  $-86+(1-x)*f(x)$  lgdogf

A017749 4.83895 [ $\{(-n-2)*a(n+2)+(87+n)*a(n+1), a(0) = 1, a(1) = 86\}$ ], ogf]  
A017750 35.8456  $-87+(1-x)*f(x)$  lgdogf  
A017750 4.83895 [ $\{(-n-2)*a(n+2)+(88+n)*a(n+1), a(0) = 1, a(1) = 87\}$ ], ogf]  
A017751 36.2417  $-88+(1-x)*f(x)$  lgdogf  
A017751 4.89126 [ $\{(-n-2)*a(n+2)+(89+n)*a(n+1), a(0) = 1, a(1) = 88\}$ ], ogf]  
A017752 36.4398  $-89+(1-x)*f(x)$  lgdogf  
A017752 4.91742 [ $\{(-n-2)*a(n+2)+(90+n)*a(n+1), a(0) = 1, a(1) = 89\}$ ], ogf]  
A017753 36.4398  $-90+(1-x)*f(x)$  lgdogf  
A017753 4.91742 [ $\{(-n-2)*a(n+2)+(91+n)*a(n+1), a(0) = 1, a(1) = 90\}$ ], ogf]  
A017754 36.6378  $-91+(1-x)*f(x)$  lgdogf  
A017754 4.94358 [ $\{(-n-2)*a(n+2)+(92+n)*a(n+1), a(0) = 1, a(1) = 91\}$ ], ogf]  
A017755 36.6378  $-92+(1-x)*f(x)$  lgdogf  
A017755 4.94358 [ $\{(-n-2)*a(n+2)+(93+n)*a(n+1), a(0) = 1, a(1) = 92\}$ ], ogf]  
A017756 32.4966  $-93+(1-x)*f(x)$  lgdogf  
A017756 4.39420 [ $\{(-n-2)*a(n+2)+(94+n)*a(n+1), a(0) = 1, a(1) = 93\}$ ], ogf]  
A017757 47.0717  $-94+(1-x)*f(x)$  lgdogf  
A017757 6.32609 [ $\{(-n-2)*a(n+2)+(95+n)*a(n+1), a(0) = 1, a(1) = 94\}$ ], ogf]  
A017758 47.2782  $-95+(1-x)*f(x)$  lgdogf  
A017758 6.35336 [ $\{(-n-2)*a(n+2)+(96+n)*a(n+1), a(0) = 1, a(1) = 95\}$ ], ogf]  
A017759 47.2782  $-96+(1-x)*f(x)$  lgdogf  
A017759 6.35336 [ $\{(-n-2)*a(n+2)+(97+n)*a(n+1), a(0) = 1, a(1) = 96\}$ ], ogf]  
A017760 47.2782  $-97+(1-x)*f(x)$  lgdogf  
A017760 6.35336 [ $\{(-n-2)*a(n+2)+(98+n)*a(n+1), a(0) = 1, a(1) = 97\}$ ], ogf]  
A017761 47.4846  $-98+(1-x)*f(x)$  lgdogf  
A017761 6.38063 [ $\{(-n-2)*a(n+2)+(99+n)*a(n+1), a(0) = 1, a(1) = 98\}$ ], ogf]  
A017762 47.4846  $-99+(1-x)*f(x)$  lgdogf  
A017762 6.32100 [ $\{(-n-2)*a(n+2)+(100+n)*a(n+1), a(0) = 1, a(1) = 99\}$ ], ogf]  
A017763 30.5107  $-100+(1-x)*f(x)$  lgdogf  
A017763 4.33790 [ $\{(-n-2)*a(n+2)+(101+n)*a(n+1), a(0) = 1, a(1) = 100\}$ ], ogf]  
A017764 30.5107  $-101+(1-x)*f(x)$  lgdogf  
A017764 6.31599 [ $\{(-n-2)*a(n+2)+(102+n)*a(n+1), a(0) = 1, a(1) = 101\}$ ], ogf]  
A017765 28.7850  $[[49-49*x]$  ogf\_with\_Euler\_transform]  
A017765 47.1901  $-49+(x+1)*f(x)$  lgdogf  
A017765 6.34754 [ $\{(-n-2)*a(n+2)+(48-n)*a(n+1), a(0) = 1, a(1) = 49\}$ ], ogf]  
A017766 29.0456  $[[50-50*x]$  ogf\_with\_Euler\_transform]  
A017766 47.6250  $-50+(x+1)*f(x)$  lgdogf  
A017766 6.40498 [ $\{(-n-2)*a(n+2)+(49-n)*a(n+1), a(0) = 1, a(1) = 50\}$ ], ogf]  
A017767 29.4363  $[[51-51*x]$  ogf\_with\_Euler\_transform]  
A017767 48.2774  $-51+(x+1)*f(x)$  lgdogf  
A017767 6.49115 [ $\{(-n-2)*a(n+2)+(50-n)*a(n+1), a(0) = 1, a(1) = 51\}$ ], ogf]  
A017768 29.6968  $[[52-52*x]$  ogf\_with\_Euler\_transform]  
A017768 48.7123  $-52+(x+1)*f(x)$  lgdogf  
A017768 6.54859 [ $\{(-n-2)*a(n+2)+(51-n)*a(n+1), a(0) = 1, a(1) = 52\}$ ], ogf]  
A017769 29.8270  $[[53-53*x]$  ogf\_with\_Euler\_transform]  
A017769 48.9298  $-53+(x+1)*f(x)$  lgdogf  
A017769 6.57731 [ $\{(-n-2)*a(n+2)+(52-n)*a(n+1), a(0) = 1, a(1) = 53\}$ ], ogf]  
A017770 30.0876  $[[54-54*x]$  ogf\_with\_Euler\_transform]  
A017770 49.3647  $-54+(x+1)*f(x)$  lgdogf  
A017770 6.63475 [ $\{(-n-2)*a(n+2)+(53-n)*a(n+1), a(0) = 1, a(1) = 54\}$ ], ogf]  
A017771 30.4783  $[[55-55*x]$  ogf\_with\_Euler\_transform]  
A017771 50.0171  $-55+(x+1)*f(x)$  lgdogf  
A017771 6.72092 [ $\{(-n-2)*a(n+2)+(54-n)*a(n+1), a(0) = 1, a(1) = 55\}$ ], ogf]  
A017772 30.4783  $[[56-56*x]$  ogf\_with\_Euler\_transform]  
A017772 50.0171  $-56+(x+1)*f(x)$  lgdogf  
A017772 6.72092 [ $\{(-n-2)*a(n+2)+(55-n)*a(n+1), a(0) = 1, a(1) = 56\}$ ], ogf]  
A017773 28.0362  $[[57-57*x]$  ogf\_with\_Euler\_transform]  
A017773 46.0059  $-57+(x+1)*f(x)$  lgdogf  
A017773 6.18929 [ $\{(-n-2)*a(n+2)+(56-n)*a(n+1), a(0) = 1, a(1) = 57\}$ ], ogf]  
A017774 28.2922  $[[58-58*x]$  ogf\_with\_Euler\_transform]  
A017774 46.4338  $-58+(x+1)*f(x)$  lgdogf  
A017774 6.24581 [ $\{(-n-2)*a(n+2)+(57-n)*a(n+1), a(0) = 1, a(1) = 58\}$ ], ogf]

A017775 28.6763 [[59-59\*x] ogf\_with\_Euler\_transform]  
A017775 47.0758 -59+(x+1)\*f(x) lgdogf  
A017775 6.33060 [{{(-n-2)\*a(n+2)+(58-n)\*a(n+1), a(0) = 1, a(1) = 59}}, ogf]  
A017776 28.6763 [[60-60\*x] ogf\_with\_Euler\_transform]  
A017776 47.0758 -60+(x+1)\*f(x) lgdogf  
A017776 6.33060 [{{(-n-2)\*a(n+2)+(59-n)\*a(n+1), a(0) = 1, a(1) = 60}}, ogf]  
A017777 28.8043 [[61-61\*x] ogf\_with\_Euler\_transform]  
A017777 47.2897 -61+(x+1)\*f(x) lgdogf  
A017777 6.35886 [{{(-n-2)\*a(n+2)+(60-n)\*a(n+1), a(0) = 1, a(1) = 61}}, ogf]  
A017778 28.9323 [[62-62\*x] ogf\_with\_Euler\_transform]  
A017778 47.5037 -62+(x+1)\*f(x) lgdogf  
A017778 6.38712 [{{(-n-2)\*a(n+2)+(61-n)\*a(n+1), a(0) = 1, a(1) = 62}}, ogf]  
A017779 29.3164 [[63-63\*x] ogf\_with\_Euler\_transform]  
A017779 48.1457 -63+(x+1)\*f(x) lgdogf  
A017779 6.47191 [{{(-n-2)\*a(n+2)+(62-n)\*a(n+1), a(0) = 1, a(1) = 63}}, ogf]  
A017780 26.6417 [[64-64\*x] ogf\_with\_Euler\_transform]  
A017780 43.7460 -64+(x+1)\*f(x) lgdogf  
A017780 5.88888 [{{(-n-2)\*a(n+2)+(63-n)\*a(n+1), a(0) = 1, a(1) = 64}}, ogf]  
A017781 29.4444 [[65-65\*x] ogf\_with\_Euler\_transform]  
A017781 48.3596 -65+(x+1)\*f(x) lgdogf  
A017781 6.50017 [{{(-n-2)\*a(n+2)+(64-n)\*a(n+1), a(0) = 1, a(1) = 65}}, ogf]  
A017782 26.7673 [[66-66\*x] ogf\_with\_Euler\_transform]  
A017782 43.9563 -66+(x+1)\*f(x) lgdogf  
A017782 5.91666 [{{(-n-2)\*a(n+2)+(65-n)\*a(n+1), a(0) = 1, a(1) = 66}}, ogf]  
A017783 29.7004 [[67-67\*x] ogf\_with\_Euler\_transform]  
A017783 48.7876 -67+(x+1)\*f(x) lgdogf  
A017783 6.55669 [{{(-n-2)\*a(n+2)+(66-n)\*a(n+1), a(0) = 1, a(1) = 67}}, ogf]  
A017784 27.3957 [[68-68\*x] ogf\_with\_Euler\_transform]  
A017784 45.0079 -68+(x+1)\*f(x) lgdogf  
A017784 6.05555 [{{(-n-2)\*a(n+2)+(67-n)\*a(n+1), a(0) = 1, a(1) = 68}}, ogf]  
A017785 27.5213 [[69-69\*x] ogf\_with\_Euler\_transform]  
A017785 45.2182 -69+(x+1)\*f(x) lgdogf  
A017785 6.08332 [{{(-n-2)\*a(n+2)+(68-n)\*a(n+1), a(0) = 1, a(1) = 69}}, ogf]  
A017786 27.6470 [[70-70\*x] ogf\_with\_Euler\_transform]  
A017786 45.4285 -70+(x+1)\*f(x) lgdogf  
A017786 6.11110 [{{(-n-2)\*a(n+2)+(69-n)\*a(n+1), a(0) = 1, a(1) = 70}}, ogf]  
A017787 27.8983 [[71-71\*x] ogf\_with\_Euler\_transform]  
A017787 45.8491 -71+(x+1)\*f(x) lgdogf  
A017787 6.16666 [{{(-n-2)\*a(n+2)+(70-n)\*a(n+1), a(0) = 1, a(1) = 71}}, ogf]  
A017788 28.1497 [[72-72\*x] ogf\_with\_Euler\_transform]  
A017788 46.2698 -72+(x+1)\*f(x) lgdogf  
A017788 6.22222 [{{(-n-2)\*a(n+2)+(71-n)\*a(n+1), a(0) = 1, a(1) = 72}}, ogf]  
A017789 28.1497 [[73-73\*x] ogf\_with\_Euler\_transform]  
A017789 46.2698 -73+(x+1)\*f(x) lgdogf  
A017789 6.22222 [{{(-n-2)\*a(n+2)+(72-n)\*a(n+1), a(0) = 1, a(1) = 73}}, ogf]  
A017790 28.4010 [[74-74\*x] ogf\_with\_Euler\_transform]  
A017790 46.6904 -74+(x+1)\*f(x) lgdogf  
A017790 6.27776 [{{(-n-2)\*a(n+2)+(73-n)\*a(n+1), a(0) = 1, a(1) = 74}}, ogf]  
A017791 28.4010 [[75-75\*x] ogf\_with\_Euler\_transform]  
A017791 46.6904 -75+(x+1)\*f(x) lgdogf  
A017791 6.27776 [{{(-n-2)\*a(n+2)+(74-n)\*a(n+1), a(0) = 1, a(1) = 75}}, ogf]  
A017792 28.6523 [[76-76\*x] ogf\_with\_Euler\_transform]  
A017792 47.1110 -76+(x+1)\*f(x) lgdogf  
A017792 6.33332 [{{(-n-2)\*a(n+2)+(75-n)\*a(n+1), a(0) = 1, a(1) = 76}}, ogf]  
A017793 28.7780 [[77-77\*x] ogf\_with\_Euler\_transform]  
A017793 47.3214 -77+(x+1)\*f(x) lgdogf  
A017793 6.36110 [{{(-n-2)\*a(n+2)+(76-n)\*a(n+1), a(0) = 1, a(1) = 77}}, ogf]  
A017794 28.9037 [[78-78\*x] ogf\_with\_Euler\_transform]  
A017794 47.5317 -78+(x+1)\*f(x) lgdogf  
A017794 6.38888 [{{(-n-2)\*a(n+2)+(77-n)\*a(n+1), a(0) = 1, a(1) = 78}}, ogf]  
A017795 28.9037 [[79-79\*x] ogf\_with\_Euler\_transform]

A017795 47.5317  $-79+(x+1)*f(x)$  lgdogf  
A017795 6.38888  $[{(-n-2)*a(n+2)+(78-n)*a(n+1)}, a(0) = 1, a(1) = 79]$ , ogf]  
A017796 26.2380  $[[80-80*x]$  ogf\_with\_Euler\_transform]  
A017796 43.1491  $-80+(x+1)*f(x)$  lgdogf  
A017796 5.80801  $[{(-n-2)*a(n+2)+(79-n)*a(n+1)}, a(0) = 1, a(1) = 80]$ , ogf]  
A017797 29.1550  $[[81-81*x]$  ogf\_with\_Euler\_transform]  
A017797 47.9523  $-81+(x+1)*f(x)$  lgdogf  
A017797 6.44443  $[{(-n-2)*a(n+2)+(80-n)*a(n+1)}, a(0) = 1, a(1) = 81]$ , ogf]  
A017798 29.1550  $[[82-82*x]$  ogf\_with\_Euler\_transform]  
A017798 47.9523  $-82+(x+1)*f(x)$  lgdogf  
A017798 6.44443  $[{(-n-2)*a(n+2)+(81-n)*a(n+1)}, a(0) = 1, a(1) = 82]$ , ogf]  
A017799 29.2807  $[[83-83*x]$  ogf\_with\_Euler\_transform]  
A017799 48.1626  $-83+(x+1)*f(x)$  lgdogf  
A017799 6.47222  $[{(-n-2)*a(n+2)+(82-n)*a(n+1)}, a(0) = 1, a(1) = 83]$ , ogf]  
A017800 29.4064  $[[84-84*x]$  ogf\_with\_Euler\_transform]  
A017800 48.3729  $-84+(x+1)*f(x)$  lgdogf  
A017800 6.49999  $[{(-n-2)*a(n+2)+(83-n)*a(n+1)}, a(0) = 1, a(1) = 84]$ , ogf]  
A017801 29.5320  $[[85-85*x]$  ogf\_with\_Euler\_transform]  
A017801 48.5833  $-85+(x+1)*f(x)$  lgdogf  
A017801 6.52776  $[{(-n-2)*a(n+2)+(84-n)*a(n+1)}, a(0) = 1, a(1) = 85]$ , ogf]  
A017802 26.6075  $[[86-86*x]$  ogf\_with\_Euler\_transform]  
A017802 43.7685  $-86+(x+1)*f(x)$  lgdogf  
A017802 5.88981  $[{(-n-2)*a(n+2)+(85-n)*a(n+1)}, a(0) = 1, a(1) = 86]$ , ogf]  
A017803 26.8539  $[[87-87*x]$  ogf\_with\_Euler\_transform]  
A017803 44.1814  $-87+(x+1)*f(x)$  lgdogf  
A017803 5.94435  $[{(-n-2)*a(n+2)+(86-n)*a(n+1)}, a(0) = 1, a(1) = 87]$ , ogf]  
A017804 26.8539  $[[88-88*x]$  ogf\_with\_Euler\_transform]  
A017804 44.1814  $-88+(x+1)*f(x)$  lgdogf  
A017804 5.94435  $[{(-n-2)*a(n+2)+(87-n)*a(n+1)}, a(0) = 1, a(1) = 88]$ , ogf]  
A017805 26.8539  $[[89-89*x]$  ogf\_with\_Euler\_transform]  
A017805 44.1814  $-89+(x+1)*f(x)$  lgdogf  
A017805 5.94435  $[{(-n-2)*a(n+2)+(88-n)*a(n+1)}, a(0) = 1, a(1) = 89]$ , ogf]  
A017806 26.8539  $[[90-90*x]$  ogf\_with\_Euler\_transform]  
A017806 44.1814  $-90+(x+1)*f(x)$  lgdogf  
A017806 5.94435  $[{(-n-2)*a(n+2)+(89-n)*a(n+1)}, a(0) = 1, a(1) = 90]$ , ogf]  
A017807 27.1003  $[[91-91*x]$  ogf\_with\_Euler\_transform]  
A017807 44.5943  $-91+(x+1)*f(x)$  lgdogf  
A017807 5.99888  $[{(-n-2)*a(n+2)+(90-n)*a(n+1)}, a(0) = 1, a(1) = 91]$ , ogf]  
A017808 27.1003  $[[92-92*x]$  ogf\_with\_Euler\_transform]  
A017808 44.5943  $-92+(x+1)*f(x)$  lgdogf  
A017808 5.99888  $[{(-n-2)*a(n+2)+(91-n)*a(n+1)}, a(0) = 1, a(1) = 92]$ , ogf]  
A017809 27.2234  $[[93-93*x]$  ogf\_with\_Euler\_transform]  
A017809 44.8007  $-93+(x+1)*f(x)$  lgdogf  
A017809 6.02615  $[{(-n-2)*a(n+2)+(92-n)*a(n+1)}, a(0) = 1, a(1) = 93]$ , ogf]  
A017810 27.4698  $[[94-94*x]$  ogf\_with\_Euler\_transform]  
A017810 45.2136  $-94+(x+1)*f(x)$  lgdogf  
A017810 6.08069  $[{(-n-2)*a(n+2)+(93-n)*a(n+1)}, a(0) = 1, a(1) = 94]$ , ogf]  
A017811 40.6768  $-95+(x+1)*f(x)$  lgdogf  
A017811 5.47932  $[{(-n-2)*a(n+2)+(94-n)*a(n+1)}, a(0) = 1, a(1) = 95]$ , ogf]  
A017812 27.7162  $[[96-96*x]$  ogf\_with\_Euler\_transform]  
A017812 45.6266  $-96+(x+1)*f(x)$  lgdogf  
A017812 6.13522  $[{(-n-2)*a(n+2)+(95-n)*a(n+1)}, a(0) = 1, a(1) = 96]$ , ogf]  
A017813 27.7162  $[[97-97*x]$  ogf\_with\_Euler\_transform]  
A017813 45.6266  $-97+(x+1)*f(x)$  lgdogf  
A017813 6.13522  $[{(-n-2)*a(n+2)+(96-n)*a(n+1)}, a(0) = 1, a(1) = 97]$ , ogf]  
A017814 27.9626  $[[98-98*x]$  ogf\_with\_Euler\_transform]  
A017814 46.0395  $-98+(x+1)*f(x)$  lgdogf  
A017814 6.18975  $[{(-n-2)*a(n+2)+(97-n)*a(n+1)}, a(0) = 1, a(1) = 98]$ , ogf]  
A017815 28.0857  $[[99-99*x]$  ogf\_with\_Euler\_transform]  
A017815 46.2459  $-99+(x+1)*f(x)$  lgdogf  
A017815 6.21702  $[{(-n-2)*a(n+2)+(98-n)*a(n+1)}, a(0) = 1, a(1) = 99]$ , ogf]

A017816 26.0655 [[100-100\*x] ogf\_with\_Euler\_transform]  
A017816 43.5482 -100+(x+1)\*f(x) lgdogf  
A017816 6.21294 [{(-n-2)\*a(n+2)+(99-n)\*a(n+1), a(0) = 1, a(1) = 100}, ogf]  
A017817 22.7165 [-1/(x^4+x^3-1) ogf]  
A017817 33.4580 -x^2\*(4\*x+3)/(-1+x^3+x^4) lgdogf  
A017818 16.2484 [-1/(x^2+1)/(x^3+x^2-1) ogf]  
A017818 17.3296 -x^2\*(5\*x^2+4\*x+3)/(1+x^2)/(x^3+x^2-1) lgdogf  
A017819 20.5825 [-1/(x^2+x+1)/(x^4+x-1) ogf]  
A017819 24.6095 -x^2\*(6\*x^3+5\*x^2+4\*x+3)/(x^2+x+1)/(x^4+x-1) lgdogf  
A017820 16.8575 [-1/(x^7+x^6+x^5+x^4+x^3-1) ogf]  
A017820 18.5521 -x^2\*(7\*x^4+6\*x^3+5\*x^2+4\*x+3)/(-1+x^3+x^4+x^5+x^6+x^7) lgdogf  
A017821 9.04174 [-1/(x^8+x^7+x^6+x^5+x^4+x^3-1) ogf]  
A017821 9.48389 -x^2\*(7\*x^4+6\*x^3+8\*x^5+5\*x^2+4\*x+3)/  
(-1+x^3+x^4+x^5+x^6+x^7+x^8) lgdogf  
A017822 7.99846 -x^2\*(7\*x^4+6\*x^3+8\*x^5+5\*x^2+4\*x+9\*x^6+3)/(x^2+x+1)/(x^5-  
x^3+x^2+x-1)/(1+x^2) lgdogf  
A017822 8.19879 [-1/(x^2+x+1)/(x^5-x^3+x^2+x-1)/(x^2+1) ogf]  
A017823 7.25640 -x^2\*(7\*x^4+6\*x^3+8\*x^5+5\*x^2+4\*x+10\*x^7+9\*x^6+3)/  
(-1+x^9+x^3+x^10+x^4+x^5+x^6+x^7+x^8) lgdogf  
A017823 7.42714 [-1/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3-1) ogf]  
A017824 6.41435 -x^2\*(7\*x^4+6\*x^3+8\*x^5+5\*x^2+4\*x+10\*x^7+9\*x^6+11\*x^8+3)/  
(-1+x^9+x^3+x^10+x^4+x^11+x^5+x^6+x^7+x^8) lgdogf  
A017824 6.76261 [-1/(x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3-1) ogf]  
A017825 6.17738 [-1/(x^2+x+1)/(x^10+x^7+x^4+x-1) ogf]  
A017825 6.90240 -x^2\*(7\*x^4+6\*x^3+8\*x^5+5\*x^2+4\*x+10\*x^7+9\*x^6+11\*x^8+12\*x^9+3)/  
(x^2+x+1)/(x^10+x^7+x^4+x-1) lgdogf  
A017826 5.68538 [-1/(x^2+1)/(x^11+x^10+x^7+x^6+x^3+x^2-1) ogf]  
A017826 5.82588 -x^2\*(7\*x^4+6\*x^3+8\*x^5+5\*x^2+4\*x  
+10\*x^7+9\*x^6+11\*x^8+13\*x^10+12\*x^9+3)/(1+x^2)/(x^11+x^10+x^7+x^6+x^3+x^2-1)  
lgdogf  
A017827 25.0793 [-1/(x^5+x^4-1) ogf]  
A017827 33.4374 -x^3\*(5\*x+4)/(-1+x^4+x^5) lgdogf  
A017828 15.3686 -x^3\*(6\*x^2+5\*x+4)/(x+1)/(x^5+x^3-x^2+x-1) lgdogf  
A017828 15.7435 [-1/(x+1)/(x^5+x^3-x^2+x-1) ogf]  
A017829 13.1219 [-1/(x^7+x^6+x^5+x^4-1) ogf]  
A017829 14.2028 -x^3\*(7\*x^3+6\*x^2+5\*x+4)/(-1+x^4+x^5+x^6+x^7) lgdogf  
A017830 11.2844 [-1/(x+1)/(x^2+1)/(x^2-x+1)/(x^3+x^2-1) ogf]  
A017830 9.68762 -x^3\*(7\*x^3+6\*x^2+8\*x^4+5\*x+4)/(x+1)/(1+x^2)/(x^2-x+1)/  
(x^3+x^2-1) lgdogf  
A017831 10.1312 -x^3\*(7\*x^3+6\*x^2+8\*x^4+5\*x+4+9\*x^5)/  
(-1+x^4+x^5+x^6+x^7+x^8+x^9) lgdogf  
A017831 10.1901 [-1/(x^9+x^8+x^7+x^6+x^5+x^4-1) ogf]  
A017832 8.52692 -x^3\*(7\*x^3+6\*x^2+8\*x^4+5\*x+4+10\*x^6+9\*x^5)/(x+1)/  
(x^9+x^7+x^5+x^3-x^2+x-1) lgdogf  
A017832 8.69359 [-1/(x+1)/(x^9+x^7+x^5+x^3-x^2+x-1) ogf]  
A017833 7.27115 -x^3\*(7\*x^3+6\*x^2+8\*x^4+5\*x+4+10\*x^6+9\*x^5+11\*x^7)/  
(-1+x^10+x^4+x^11+x^5+x^6+x^7+x^8+x^9) lgdogf  
A017833 7.84264 [-1/(x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4-1) ogf]  
A017834 6.82800 [-1/(x+1)/(x^2+1)/(x^9+x^5+x-1) ogf]  
A017834 7.34578 -x^3\*(7\*x^3+6\*x^2+8\*x^4+5\*x+4+12\*x^8+10\*x^6+9\*x^5+11\*x^7)/(x+1)/  
(x^2+1)/(x^9+x^5+x-1) lgdogf  
A017835 5.59256 -x^3\*(7\*x^3+6\*x^2+8\*x^4+5\*x  
+4+12\*x^8+9\*x^5+11\*x^7+13\*x^9+10\*x^6)/  
(-1+x^10+x^4+x^11+x^5+x^12+x^6+x^13+x^7+x^8+x^9) lgdogf  
A017835 6.29450 [-1/(x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4-1) ogf]  
A017836 5.35559 -x^3\*(7\*x^3+6\*x^2+8\*x^4+5\*x  
+4+12\*x^8+9\*x^5+11\*x^7+13\*x^9+14\*x^10+10\*x^6)/(x+1)/(x^2-x+1)/  
(x^11+x^10+x^9+x^5+x^4+x^3-1) lgdogf  
A017836 5.77949 [-1/(x+1)/(x^2-x+1)/(x^11+x^10+x^9+x^5+x^4+x^3-1) ogf]  
A017837 17.6240 [-1/(x^6+x^5-1) ogf]  
A017837 27.0740 -x^4\*(6\*x+5)/(-1+x^5+x^6) lgdogf

A017838 15.8586 [  $-1/(x^7+x^6+x^5-1)$  ogf]  
A017838 18.8052  $-x^4*(7*x^2+6*x+5)/(-1+x^5+x^6+x^7)$  lgdogf  
A017839 12.1664 [  $-1/(x^8+x^7+x^6+x^5-1)$  ogf]  
A017839 14.4167  $-x^4*(7*x^2+6*x+8*x^3+5)/(-1+x^5+x^6+x^7+x^8)$  lgdogf  
A017840 11.5988 [  $-1/(x^9+x^8+x^7+x^6+x^5-1)$  ogf]  
A017840 12.0206  $-x^4*(7*x^2+6*x+8*x^3+5+9*x^4)/(-1+x^5+x^6+x^7+x^8+x^9)$  lgdogf  
A017841 10.1187  $-x^4*(7*x^2+6*x+8*x^3+5+10*x^5+9*x^4)/(x^4+x^3+x^2+x+1)/(x^6+x-1)$  lgdogf  
A017841 9.39597 [  $-1/(x^4+x^3+x^2+x+1)/(x^6+x-1)$  ogf]  
A017842 8.18342 [  $-1/(x^7+x^6+x^5+x^4-1)/(x^4+1)$  ogf]  
A017842 8.97903  $-x^4*(7*x^2+6*x+8*x^3+5+9*x^4+11*x^6+10*x^5)/(x^7+x^6+x^5+x^4-1)/(x^4+1)$  lgdogf  
A017843 6.89642  $-x^4*(8*x^3+7*x^2+6*x+5+12*x^7+11*x^6+10*x^5+9*x^4)/(-1+x^11+x^5+x^12+x^6+x^7+x^8+x^9+x^10)$  lgdogf  
A017843 7.13152 [  $-1/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5-1)$  ogf]  
A017844 6.13034  $-x^4*(7*x^2+8*x^3+6*x+5+13*x^8+12*x^7+11*x^6+10*x^5+9*x^4)/(-1+x^11+x^5+x^12+x^6+x^13+x^7+x^8+x^9+x^10)$  lgdogf  
A017844 6.50954 [  $-1/(x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5-1)$  ogf]  
A017845 5.52413  $-x^4*(7*x^2+6*x+8*x^3+5+12*x^7+10*x^5+9*x^4+11*x^6+13*x^8+14*x^9)/(-1+x^11+x^5+x^12+x^6+x^13+x^7+x^14+x^8+x^9+x^10)$  lgdogf  
A017845 5.99316 [  $-1/(x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5-1)$  ogf]  
A017846 5.55761 [  $-1/(x^4+x^3+x^2+x+1)/(x^11+x^6+x-1)$  ogf]  
A017846 6.02948  $-x^4*(7*x^2+6*x+8*x^3+5+15*x^10+9*x^4+11*x^6+13*x^8+10*x^5+12*x^7+14*x^9)/(x^4+x^3+x^2+x+1)/(x^11+x^6+x-1)$  lgdogf  
A017847 19.6219 [  $-1/(x^7+x^6-1)$  ogf]  
A017847 27.7510  $-x^5*(7*x+6)/(-1+x^6+x^7)$  lgdogf  
A017848 13.4807  $-x^5*(7*x+6+8*x^2)/(x+1)/(x^7+x^5-x^4+x^3-x^2+x-1)$  lgdogf  
A017848 15.9447 [  $-1/(x+1)/(x^7+x^5-x^4+x^3-x^2+x-1)$  ogf]  
A017849 12.6573  $-x^5*(7*x+6+8*x^2+9*x^3)/(x^2+x+1)/(x^7+x^4-x^3+x-1)$  lgdogf  
A017849 13.1881 [  $-1/(x^2+x+1)/(x^7+x^4-x^3+x-1)$  ogf]  
A017850 11.2948 [  $-1/(x+1)/(x^9+x^7+x^5-x^4+x^3-x^2+x-1)$  ogf]  
A017850 9.89610  $-x^5*(7*x+6+8*x^2+9*x^3+10*x^4)/(x+1)/(x^9+x^7+x^5-x^4+x^3-x^2+x-1)$  lgdogf  
A017851 9.17427  $-x^5*(9*x^3+7*x+6+8*x^2+10*x^4+11*x^5)/(-1+x^6+x^7+x^8+x^9+x^10+x^11)$  lgdogf  
A017851 9.38945 [  $-1/(x^11+x^10+x^9+x^8+x^7+x^6-1)$  ogf]  
A017852 8.00928  $-x^5*(7*x+6+8*x^2+12*x^6+10*x^4+9*x^3+11*x^5)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^7+x-1)$  lgdogf  
A017852 8.48447 [  $-1/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^7+x-1)$  ogf]  
A017853 7.14494  $-x^5*(7*x+6+8*x^2+10*x^4+9*x^3+11*x^5+13*x^7+12*x^6)/(-1+x^12+x^6+x^13+x^7+x^8+x^9+x^10+x^11)$  lgdogf  
A017853 7.77114 [  $-1/(x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6-1)$  ogf]  
A017854 6.24683  $-x^5*(7*x+6+8*x^2+10*x^4+9*x^3+11*x^5+13*x^7+12*x^6+14*x^8)/(x+1)/(x^4-x^3+x^2-x+1)/(x^9+x^8+x^7+x^6+x^5-1)$  lgdogf  
A017854 7.06893 [  $-1/(x+1)/(x^4-x^3+x^2-x+1)/(x^9+x^8+x^7+x^6+x^5-1)$  ogf]  
A017855 6.24419  $-x^5*(7*x+6+8*x^2+15*x^9+9*x^3+11*x^5+13*x^7+10*x^4+12*x^6+14*x^8)/(x^2+x+1)/(x^13+x^10+x^7+x^4-x^3+x-1)$  lgdogf  
A017855 6.26683 [  $-1/(x^2+x+1)/(x^13+x^10+x^7+x^4-x^3+x-1)$  ogf]  
A017856 5.22646  $-x^5*(7*x+6+8*x^2+12*x^6+15*x^9+9*x^3+11*x^5+13*x^7+14*x^8+10*x^4+16*x^10)/(x+1)/(x^15+x^13+x^11+x^9+x^7+x^5-x^4+x^3-x^2+x-1)$  lgdogf  
A017856 5.79817 [  $-1/(x+1)/(x^15+x^13+x^11+x^9+x^7+x^5-x^4+x^3-x^2+x-1)$  ogf]  
A017857 16.9355 [  $-1/(x^8+x^7-1)$  ogf]  
A017857 27.9632  $-x^6*(7+8*x)/(-1+x^7+x^8)$  lgdogf  
A017858 14.8038  $-x^6*(7+8*x+9*x^2)/(x^2+1)/(x^7+x^6-x^4+x^2-1)$  lgdogf  
A017858 15.8039 [  $-1/(x^2+1)/(x^7+x^6-x^4+x^2-1)$  ogf]  
A017859 12.1813 [  $-1/(x^10+x^9+x^8+x^7-1)$  ogf]  
A017859 14.4275  $-x^6*(7+8*x+9*x^2+10*x^3)/(-1+x^7+x^8+x^9+x^10)$  lgdogf

A017860 11.1209 [  $-1/(x^{11}+x^{10}+x^9+x^8+x^7-1)$  ogf]  
A017860 11.3938  $-x^6*(7+8*x+9*x^2+11*x^4+10*x^3)/(-1+x^7+x^8+x^9+x^{10}+x^{11})$   
lgdogf  
A017861 8.86440 [  $-1/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7-1)$  ogf]  
A017861 9.15780  $-x^6*(8*x+7+12*x^5+11*x^4+10*x^3+9*x^2)/$   
 $(-1+x^7+x^8+x^9+x^{10}+x^{11}+x^{12})$  lgdogf  
A017862 7.88298  $-x^6*(7+8*x+9*x^2+11*x^4+13*x^6+10*x^3+12*x^5)/(x^2+1)/$   
 $(x^{11}+x^{10}+x^7+x^6-x^4+x^2-1)$  lgdogf  
A017862 8.49601 [  $-1/(x^2+1)/(x^{11}+x^{10}+x^7+x^6-x^4+x^2-1)$  ogf]  
A017863 7.44610 [  $-1/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^8+x-1)$  ogf]  
A017863 7.61940  $-x^6*(7+8*x+10*x^3+9*x^2+11*x^4+13*x^6+12*x^5+14*x^7)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)/(x^8+x-1)$  lgdogf  
A017864 6.33763  $-x^6*(7+8*x+15*x^8+10*x^3+9*x^2+11*x^4+13*x^6+12*x^5+14*x^7)/$   
 $(-1+x^{13}+x^7+x^{14}+x^8+x^{15}+x^9+x^{10}+x^{11}+x^{12})$  lgdogf  
A017864 6.76918 [  $-1/(x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7-1)$  ogf]  
A017865 5.57175  $-x^6*(7+8*x$   
 $+12*x^5+15*x^8+9*x^2+11*x^4+13*x^6+14*x^7+10*x^3+16*x^9)/$   
 $(-1+x^{13}+x^7+x^{14}+x^8+x^{15}+x^9+x^{16}+x^{10}+x^{11}+x^{12})$  lgdogf  
A017865 6.06572 [  $-1/(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7-1)$  ogf]  
A017866 5.30431  $-x^6*(7+8*x$   
 $+12*x^5+15*x^8+17*x^{10}+9*x^2+11*x^4+13*x^6+14*x^7+10*x^3+16*x^9)/(1+x^2)/$   
 $(x^{11}+x^{10}+x^9+x^8+x^7+x^6-1)/(x^4-x^2+1)$  lgdogf  
A017866 5.59913 [  $-1/(x^2+1)/(x^{11}+x^{10}+x^9+x^8+x^7+x^6-1)/(x^4-x^2+1)$  ogf]  
A017867 17.8684 [  $-1/(x^9+x^8-1)$  ogf]  
A017867 27.7182  $-x^7*(9*x+8)/(-1+x^8+x^9)$  lgdogf  
A017868 11.6741  $-x^7*(8+10*x^2+9*x)/(x+1)/(x^9+x^7-x^6+x^5-x^4+x^3-x^2+x-1)$   
lgdogf  
A017868 15.2067 [  $-1/(x+1)/(x^9+x^7-x^6+x^5-x^4+x^3-x^2+x-1)$  ogf]  
A017869 12.5239 [  $-1/(x^{11}+x^{10}+x^9+x^8-1)$  ogf]  
A017869 13.7035  $-x^7*(8+11*x^3+10*x^2+9*x)/(-1+x^8+x^9+x^{10}+x^{11})$  lgdogf  
A017870 10.1199  $-x^7*(9*x+8+10*x^2+11*x^3+12*x^4)/(x+1)/(1+x^2)/(x^9+x^5-$   
 $x^4+x-1)$  lgdogf  
A017870 9.89733 [  $-1/(x+1)/(x^2+1)/(x^9+x^5-x^4+x-1)$  ogf]  
A017871 9.13840  $-x^7*(8+12*x^4+10*x^2+9*x+11*x^3+13*x^5)/$   
 $(-1+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13})$  lgdogf  
A017871 9.37519 [  $-1/(x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8-1)$  ogf]  
A017872 6.96071  $-x^7*(8+12*x^4+9*x+11*x^3+13*x^5+14*x^6+10*x^2)/(x+1)/$   
 $(x^{13}+x^{11}+x^9+x^7-x^6+x^5-x^4+x^3-x^2+x-1)$  lgdogf  
A017872 8.44894 [  $-1/(x+1)/(x^{13}+x^{11}+x^9+x^7-x^6+x^5-x^4+x^3-x^2+x-1)$  ogf]  
A017873 6.84724  $-x^7*(8+15*x^7+12*x^4+10*x^2+9*x+11*x^3+13*x^5+14*x^6)/$   
 $(-1+x^{14}+x^8+x^{15}+x^9+x^{10}+x^{11}+x^{12}+x^{13})$  lgdogf  
A017873 7.49548 [  $-1/(x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8-1)$  ogf]  
A017874 6.72062 [  $-1/(x+1)/(x^2+1)/(x^9+x-1)/(x^4+1)$  ogf]  
A017874 7.06669  $-x^7*(8+16*x^8+15*x^7+14*x^6+13*x^5+12*x^4+11*x^3+10*x^2+9*x)/(x$   
 $+1)/(x^2+1)/(x^9+x-1)/(x^4+1)$  lgdogf  
A017875 5.30765  $-x^7*(9*x$   
 $+8+10*x^2+11*x^3+13*x^5+14*x^6+17*x^9+12*x^4+15*x^7+16*x^8)/$   
 $(-1+x^{14}+x^8+x^{15}+x^9+x^{16}+x^{10}+x^{17}+x^{11}+x^{12}+x^{13})$  lgdogf  
A017875 6.00247 [  $-1/(x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8-1)$  ogf]  
A017876 7.31298 [  $-1/(x+1)/(x^{17}+x^{15}+x^{13}+x^{11}+x^9+x^7-x^6+x^5-x^4+x^3-x^2+x-1)$   
ogf]  
A017877 14.8157 [  $-1/(x^{10}+x^9-1)$  ogf]  
A017877 25.9844  $-x^8*(9+10*x)/(-1+x^9+x^{10})$  lgdogf  
A017878 14.4248 [  $-1/(x^{11}+x^{10}+x^9-1)$  ogf]  
A017878 17.6354  $-x^8*(11*x^2+10*x+9)/(-1+x^9+x^{10}+x^{11})$  lgdogf  
A017879 10.6815  $-x^8*(12*x^3+10*x+9+11*x^2)/(x^{10}+x^7-x^6+x^4-x^3+x-1)/(x^2+x+1)$   
lgdogf  
A017879 11.3936 [  $-1/(x^{10}+x^7-x^6+x^4-x^3+x-1)/(x^2+x+1)$  ogf]  
A017880 10.4457 [  $-1/(x^{13}+x^{12}+x^{11}+x^{10}+x^9-1)$  ogf]  
A017880 10.6361  $-x^8*(13*x^4+12*x^3+11*x^2+10*x+9)/(-1+x^9+x^{10}+x^{11}+x^{12}+x^{13})$   
lgdogf

A017881 8.79730 [  $-1/(x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9-1)$  ogf]  
A017881 9.06214  $-x^8*(9+11*x^2+13*x^4+10*x+12*x^3+14*x^5)/$   
 $(-1+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14})$  lgdogf  
A017882 7.47549  $-x^8*(15*x^6+12*x^3+10*x+9+11*x^2+13*x^4+14*x^5)/(x^2+x+1)/$   
 $(x^{13}+x^{10}+x^7-x^6+x^4-x^3+x-1)$  lgdogf  
A017882 8.20670 [  $-1/(x^2+x+1)/(x^{13}+x^{10}+x^7-x^6+x^4-x^3+x-1)$  ogf]  
A017883 6.68537  $-x^8*(16*x^7+15*x^6+14*x^5+13*x^4+12*x^3+11*x^2+10*x+9)/$   
 $(-1+x^{15}+x^9+x^{16}+x^{10}+x^{11}+x^{12}+x^{13}+x^{14})$  lgdogf  
A017883 6.97337 [  $-1/(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9-1)$  ogf]  
A017884 6.07237  $-x^8*(15*x^6+17*x^8+9+11*x^2+13*x^4+10*x+12*x^3+14*x^5+16*x^7)/$   
 $(-1+x^{15}+x^9+x^{16}+x^{10}+x^{17}+x^{11}+x^{12}+x^{13}+x^{14})$  lgdogf  
A017884 6.78135 [  $-1/(x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9-1)$  ogf]  
A017885 5.88080 [  $-1/(x^2+x+1)/(x^6+x^3+1)/(x^{10}+x-1)$  ogf]  
A017885 6.50059  $-$   
 $x^8*(18*x^9+17*x^8+16*x^7+15*x^6+14*x^5+13*x^4+12*x^3+11*x^2+10*x+9)/(x^2+x+1)/$   
 $(x^6+x^3+1)/(x^{10}+x-1)$  lgdogf  
A017886 5.50398 [  $-1/(x^{19}+x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9-1)$   
ogf]  
A017887 15.6841 [  $-1/(x^{11}+x^{10}-1)$  ogf]  
A017887 24.6379  $-x^9*(11*x+10)/(-1+x^{10}+x^{11})$  lgdogf  
A017888 13.6145 [  $-1/(x+1)/(x^{11}+x^9-x^8+x^7-x^6+x^5-x^4+x^3-x^2+x-1)$  ogf]  
A017888 9.83224  $-x^9*(10+11*x+12*x^2)/(x+1)/(x^{11}+x^9-x^8+x^7-x^6+x^5-x^4+x^3-$   
 $x^2+x-1)$  lgdogf  
A017889 11.6568 [  $-1/(x^{13}+x^{12}+x^{11}+x^{10}-1)$  ogf]  
A017889 12.7595  $-x^9*(10+11*x+13*x^3+12*x^2)/(-1+x^{10}+x^{11}+x^{12}+x^{13})$  lgdogf  
A017890 10.73301 [  $-1/(x+1)/(x^2-x+1)/(x^{11}+x^{10}+x^9-x^6+x^3-1)$  ogf]  
A017890 8.91189  $-x^9*(12*x^2+10+11*x+13*x^3+14*x^4)/(x+1)/(x^2-x+1)/$   
 $(x^{11}+x^{10}+x^9-x^6+x^3-1)$  lgdogf  
A017891 8.48192  $-x^9*(15*x^5+14*x^4+13*x^3+12*x^2+11*x+10)/(x^4+x^3+x^2+x+1)/$   
 $(x^{11}+x^6-x^5+x-1)$  lgdogf  
A017891 8.91654 [  $-1/(x^4+x^3+x^2+x+1)/(x^{11}+x^6-x^5+x-1)$  ogf]  
A017892 6.20437  $-x^9*(16*x^6+15*x^5+14*x^4+13*x^3+12*x^2+11*x+10)/(x+1)/$   
 $(x^{15}+x^{13}+x^{11}+x^9-x^8+x^7-x^6+x^5-x^4+x^3-x^2+x-1)$  lgdogf  
A017892 7.58554 [  $-1/(x+1)/(x^{15}+x^{13}+x^{11}+x^9-x^8+x^7-x^6+x^5-x^4+x^3-x^2+x-1)$   
ogf]  
A017893 6.71578  $-x^9*(15*x^5+17*x^7+16*x^6+12*x^2+10+11*x+13*x^3+14*x^4)/$   
 $(-1+x^{16}+x^{10}+x^{17}+x^{11}+x^{12}+x^{13}+x^{14}+x^{15})$  lgdogf  
A017893 7.29794 [  $-1/(x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}-1)$  ogf]  
A017894 5.43800  $-x^9*(15*x^5+17*x^7+10+11*x+13*x^3+14*x^4+16*x^6+12*x^2+18*x^8)/$   
 $(x+1)/(x^{17}+x^{15}+x^{13}+x^{11}+x^9-x^8+x^7-x^6+x^5-x^4+x^3-x^2+x-1)$  lgdogf  
A017894 6.79552 [  $-1/(x+1)/(x^{17}+x^{15}+x^{13}+x^{11}+x^9-x^8+x^7-x^6+x^5-x^4+x^3-$   
 $x^2+x-1)$  ogf]  
A017895 5.50279  $-x^9*(15*x^5+17*x^7+10+11*x$   
 $+13*x^3+14*x^4+16*x^6+12*x^2+19*x^9+18*x^8)/$   
 $(-1+x^{16}+x^{10}+x^{17}+x^{11}+x^{18}+x^{12}+x^{19}+x^{13}+x^{14}+x^{15})$  lgdogf  
A017895 6.23717 [  $-1/(x^{19}+x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}-1)$  ogf]  
A017896 6.83736 [  $-1/(x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/$   
 $(x^9+x^8-x^6-x^5+x^3+x^2-1)$  ogf]  
A017897 15.3967  $-(17-174*x+405*x^2)/(3*x-1)/(9*x-1)/(5*x-1)$  lgdogf  
A017897 16.4400 [  $-1/(3*x-1)/(9*x-1)/(5*x-1)$  ogf]  
A017897 5.66419 [  $\{a(n+3)-17*a(n+2)+87*a(n+1)-135*a(n), a(0) = 1, a(1) = 17, a(2)$   
 $= 202\}$ , ogf]  
A017898 17.6429 [  $(x-1)/(x^4+x-1)$  ogf]  
A017898 27.2427  $-x^3*(3*x-4)/(-1+x)/(x^4+x-1)$  lgdogf  
A017899 18.3516 [  $(x-1)/(x^2-x+1)/(x^3+x^2-1)$  ogf]  
A017899 20.1420  $-x^4*(-5+4*x)/(x-1)/(x^2-x+1)/(x^3+x^2-1)$  lgdogf  
A017900 17.6322 [  $(x-1)/(x^6+x-1)$  ogf]  
A017900 28.4807  $-x^5*(5*x-6)/(x-1)/(x^6+x-1)$  lgdogf  
A017901 18.1366 [  $(x-1)/(x^7+x-1)$  ogf]  
A017901 27.4756  $-x^6*(-7+6*x)/(-1+x)/(x^7+x-1)$  lgdogf  
A017902 17.6512 [  $(x-1)/(x^8+x-1)$  ogf]



A017902 27.8133  $-x^7*(-8+7*x)/(x-1)/(x^8+x-1)$  lgdogf  
A017903 17.5174  $[(x-1)/(x^9+x-1)$  ogf]  
A017903 28.7425  $-x^8*(8*x-9)/(x-1)/(x^9+x-1)$  lgdogf  
A017904 17.2684  $[(x-1)/(x^{10}+x-1)$  ogf]  
A017904 27.1713  $-x^9*(9*x-10)/(x-1)/(x^{10}+x-1)$  lgdogf  
A017905 13.5845  $-x^{10}*(10*x-11)/(x-1)/(x^2-x+1)/(x^9+x^8-x^6-x^5+x^3+x^2-1)$   
lgdogf  
A017905 16.8791  $[(x-1)/(x^2-x+1)/(x^9+x^8-x^6-x^5+x^3+x^2-1)$  ogf]  
A017906 16.4854  $[(x-1)/(x^{12}+x-1)$  ogf]  
A017906 24.6142  $-x^{11}*(11*x-12)/(x-1)/(x^{12}+x-1)$  lgdogf  
A017907 16.6028  $[(x-1)/(x^{13}+x-1)$  ogf]  
A017907 24.9215  $-x^{12}*(12*x-13)/(x-1)/(x^{13}+x-1)$  lgdogf  
A017908 16.8093  $[(x-1)/(x^{14}+x-1)$  ogf]  
A017908 23.8666  $-x^{13}*(-14+13*x)/(-1+x)/(x^{14}+x-1)$  lgdogf  
A017909 16.5874  $[(x-1)/(x^{15}+x-1)$  ogf]  
A017909 24.4135  $-x^{14}*(-15+14*x)/(x-1)/(x^{15}+x-1)$  lgdogf  
A017916 12.3498  $-2*(9-95*x+225*x^2)/(3*x-1)/(5*x-1)/(10*x-1)$  lgdogf  
A017916 13.5354  $[-1/(3*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A017916 4.66345  $[{a(n+3)-18*a(n+2)+95*a(n+1)-150*a(n), a(0) = 1, a(1) = 18, a(2) = 229},$  ogf]  
A017917 12.2680  $-(19-206*x+495*x^2)/(-1+3*x)/(5*x-1)/(11*x-1)$  lgdogf  
A017917 13.4196  $[-1/(3*x-1)/(5*x-1)/(11*x-1)$  ogf]  
A017917 4.69685  $[{a(n+3)-19*a(n+2)+103*a(n+1)-165*a(n), a(0) = 1, a(1) = 19, a(2) = 258},$  ogf]  
A017918 12.2098  $[-1/(12*x-1)/(3*x-1)/(5*x-1)$  ogf]  
A017918 4.27342  $[{a(n+3)-20*a(n+2)+111*a(n+1)-180*a(n), a(0) = 1, a(1) = 20, a(2) = 289},$  ogf]  
A017931 13.0103  $-2*(8-81*x+189*x^2)/(6*x-1)/(3*x-1)/(7*x-1)$  lgdogf  
A017931 13.9322  $[-1/(6*x-1)/(3*x-1)/(7*x-1)$  ogf]  
A017931 4.80018  $[{a(n+3)-16*a(n+2)+81*a(n+1)-126*a(n), a(0) = 1, a(1) = 16, a(2) = 175},$  ogf]  
A017932 13.4896  $-(17-180*x+432*x^2)/(6*x-1)/(3*x-1)/(8*x-1)$  lgdogf  
A017932 14.4349  $[-1/(6*x-1)/(3*x-1)/(8*x-1)$  ogf]  
A017932 4.97338  $[{a(n+3)-17*a(n+2)+90*a(n+1)-144*a(n), a(0) = 1, a(1) = 17, a(2) = 199},$  ogf]  
A017933 13.3239  $[-1/(6*x-1)/(3*x-1)/(9*x-1)$  ogf]  
A017933 4.59059  $[{a(n+3)-18*a(n+2)+99*a(n+1)-162*a(n), a(0) = 1, a(1) = 18, a(2) = 225},$  ogf]  
A017952 15.5914  $-(19-216*x+540*x^2)/(6*x-1)/(3*x-1)/(10*x-1)$  lgdogf  
A017952 16.6192  $[-1/(6*x-1)/(3*x-1)/(10*x-1)$  ogf]  
A017952 5.81671  $[{a(n+3)-19*a(n+2)+108*a(n+1)-180*a(n), a(0) = 1, a(1) = 19, a(2) = 253},$  ogf]  
A017953 10.6553  $-2*(10-117*x+297*x^2)/(6*x-1)/(3*x-1)/(11*x-1)$  lgdogf  
A017953 11.9400  $[-1/(6*x-1)/(3*x-1)/(11*x-1)$  ogf]  
A017953 4.17898  $[{a(n+3)-20*a(n+2)+117*a(n+1)-198*a(n), a(0) = 1, a(1) = 20, a(2) = 283},$  ogf]  
A017954 10.9633  $-3*(7-84*x+216*x^2)/(-1+6*x)/(3*x-1)/(-1+12*x)$  lgdogf  
A017954 12.2772  $[-1/(6*x-1)/(3*x-1)/(12*x-1)$  ogf]  
A017954 4.29703  $[{a(n+3)-21*a(n+2)+126*a(n+1)-216*a(n), a(0) = 1, a(1) = 21, a(2) = 315},$  ogf]  
A017997 11.8899  $-2*(9-101*x+252*x^2)/(3*x-1)/(8*x-1)/(7*x-1)$  lgdogf  
A017997 12.7314  $[-1/(3*x-1)/(8*x-1)/(7*x-1)$  ogf]  
A017997 4.45598  $[{a(n+3)-18*a(n+2)+101*a(n+1)-168*a(n), a(0) = 1, a(1) = 18, a(2) = 223},$  ogf]  
A017998 12.6370  $-(19-222*x+567*x^2)/(3*x-1)/(7*x-1)/(9*x-1)$  lgdogf  
A017998 13.2131  $[-1/(3*x-1)/(7*x-1)/(9*x-1)$  ogf]  
A017998 4.62459  $[{a(n+3)-19*a(n+2)+111*a(n+1)-189*a(n), a(0) = 1, a(1) = 19, a(2) = 250},$  ogf]  
A017999 14.9135  $-2*(10-121*x+315*x^2)/(3*x-1)/(7*x-1)/(10*x-1)$  lgdogf  
A017999 16.6192  $[-1/(3*x-1)/(7*x-1)/(10*x-1)$  ogf]  
A017999 5.81671  $[{a(n+3)-20*a(n+2)+121*a(n+1)-210*a(n), a(0) = 1, a(1) = 20,$

$a(2) = 279$ }, ogf]  
A018054 16.2042  $-(21-262*x+693*x^2)/(11*x-1)/(3*x-1)/(7*x-1)$  lgdogf  
A018054 17.2611 [  $-1/(11*x-1)/(3*x-1)/(7*x-1)$  ogf]  
A018054 6.04139 [  $\{a(n+3)-21*a(n+2)+131*a(n+1)-231*a(n), a(0) = 1, a(1) = 21,$   
 $a(2) = 310\}$ , ogf]  
A018055 11.0249  $-2*(9*x-1)*(42*x-11)/(-1+12*x)/(3*x-1)/(7*x-1)$  lgdogf  
A018055 12.3447 [  $-1/(12*x-1)/(3*x-1)/(7*x-1)$  ogf]  
A018055 4.32064 [  $\{a(n+3)-22*a(n+2)+141*a(n+1)-252*a(n), a(0) = 1, a(1) = 22,$   
 $a(2) = 343\}$ , ogf]  
A018056 11.8128  $-2*(10-123*x+324*x^2)/(3*x-1)/(9*x-1)/(-1+8*x)$  lgdogf  
A018056 13.2131 [  $-1/(3*x-1)/(9*x-1)/(8*x-1)$  ogf]  
A018056 4.62459 [  $\{a(n+3)-20*a(n+2)+123*a(n+1)-216*a(n), a(0) = 1, a(1) = 20,$   
 $a(2) = 277\}$ , ogf]  
A018069 12.0753  $-(21-268*x+720*x^2)/(3*x-1)/(-1+8*x)/(10*x-1)$  lgdogf  
A018069 13.2131 [  $-1/(3*x-1)/(8*x-1)/(10*x-1)$  ogf]  
A018069 4.62459 [  $\{a(n+3)-21*a(n+2)+134*a(n+1)-240*a(n), a(0) = 1, a(1) = 21,$   
 $a(2) = 307\}$ , ogf]  
A018070 10.9633  $-2*(11-145*x+396*x^2)/(3*x-1)/(11*x-1)/(8*x-1)$  lgdogf  
A018070 12.2772 [  $-1/(3*x-1)/(11*x-1)/(8*x-1)$  ogf]  
A018070 4.29703 [  $\{a(n+3)-22*a(n+2)+145*a(n+1)-264*a(n), a(0) = 1, a(1) = 22,$   
 $a(2) = 339\}$ , ogf]  
A018071 11.5904  $-(23-312*x+864*x^2)/(12*x-1)/(3*x-1)/(8*x-1)$  lgdogf  
A018071 12.4122 [  $-1/(12*x-1)/(3*x-1)/(8*x-1)$  ogf]  
A018071 4.34426 [  $\{a(n+3)-23*a(n+2)+156*a(n+1)-288*a(n), a(0) = 1, a(1) = 23,$   
 $a(2) = 373\}$ , ogf]  
A018090 10.7785  $-2*(11-147*x+405*x^2)/(3*x-1)/(9*x-1)/(10*x-1)$  lgdogf  
A018090 12.0749 [  $-1/(3*x-1)/(9*x-1)/(10*x-1)$  ogf]  
A018090 4.22621 [  $\{a(n+3)-22*a(n+2)+147*a(n+1)-270*a(n), a(0) = 1, a(1) = 22,$   
 $a(2) = 337\}$ , ogf]  
A018091 11.5260  $-(23-318*x+891*x^2)/(11*x-1)/(3*x-1)/(9*x-1)$  lgdogf  
A018091 12.3447 [  $-1/(11*x-1)/(3*x-1)/(9*x-1)$  ogf]  
A018091 4.32064 [  $\{a(n+3)-23*a(n+2)+159*a(n+1)-297*a(n), a(0) = 1, a(1) = 23,$   
 $a(2) = 370\}$ , ogf]  
A018092 11.6548  $-6*(4-57*x+162*x^2)/(3*x-1)/(12*x-1)/(9*x-1)$  lgdogf  
A018092 12.4796 [  $-1/(3*x-1)/(12*x-1)/(9*x-1)$  ogf]  
A018092 4.36787 [  $\{a(n+3)-24*a(n+2)+171*a(n+1)-324*a(n), a(0) = 1, a(1) = 24,$   
 $a(2) = 405\}$ , ogf]  
A018186 13.1592  $-(3+12*x+6*x^5+9*x^4+4*x^3+9*x^2)/(3*x^2+3*x+1)/(x^4+3*x^2-1)$   
lgdogf  
A018186 14.3341 [  $-(3*x^2+3*x+1)/(x^4+3*x^2-1)$  ogf]  
A018191 3.39688 [  $\{(-4*n^2-20*n-24)*a(n+1)+(-2*n^2-18*n-36)*a(n+2)+(n+1)*a(n$   
 $+3)+(n+4)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 16\}$ , ogf]  
A018191 38.1183  $(2+3*x+2*x^2)/(x+1)$  lgdegf  
A018206 10.6836  $-2*(12-173*x+495*x^2)/(3*x-1)/(-1+10*x)/(11*x-1)$  lgdogf  
A018206 12.4796 [  $-1/(3*x-1)/(10*x-1)/(11*x-1)$  ogf]  
A018206 4.36787 [  $\{a(n+3)-24*a(n+2)+173*a(n+1)-330*a(n), a(0) = 1, a(1) = 24,$   
 $a(2) = 403\}$ , ogf]  
A018207 11.0314  $-(25-372*x+1080*x^2)/(12*x-1)/(3*x-1)/(-1+10*x)$  lgdogf  
A018207 12.6145 [  $-1/(12*x-1)/(3*x-1)/(10*x-1)$  ogf]  
A018207 4.41508 [  $\{a(n+3)-25*a(n+2)+186*a(n+1)-360*a(n), a(0) = 1, a(1) = 25,$   
 $a(2) = 439\}$ , ogf]  
A018208 11.2224 [  $-1/(11*x-1)/(3*x-1)/(12*x-1)$  ogf]  
A018208 3.92783 [  $\{a(n+3)-26*a(n+2)+201*a(n+1)-396*a(n), a(0) = 1, a(1) = 26,$   
 $a(2) = 475\}$ , ogf]  
A018208 9.79255  $-2*(13-201*x+594*x^2)/(11*x-1)/(3*x-1)/(12*x-1)$  lgdogf  
A018209 12.6477  $-2*(6*x-1)*(35*x-8)/(-1+4*x)/(7*x-1)/(5*x-1)$  lgdogf  
A018209 13.8604 [  $-1/(4*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A018209 4.77544 [  $\{a(n+3)-16*a(n+2)+83*a(n+1)-140*a(n), a(0) = 1, a(1) = 16, a(2)$   
 $= 173\}$ , ogf]  
A018210 15.4679  $-4*(1+4*x+3*x^2+6*x^3)/(x-1)/(x+1)/(3*x^2+1)$  lgdogf  
A018210 6.43234 [  $-(3*x^2+1)/(x+1)^3/(x-1)^7$  ogf]

A018211 11.2783  $-4*(1+6*x+6*x^2+16*x^3+x^4+2*x^5)/(x-1)/(x+1)/(x^4+6*x^2+1)$   
lgdogf  
A018211 4.68472  $[(x^4+6*x^2+1)/(x+1)^4/(x-1)^8$  ogf]  
A018212 10.3682  $-(5+25*x+30*x^2+70*x^3+5*x^4+9*x^5)/(-1+x)/(x+1)/(x^4+6*x^2+1)$   
lgdogf  
A018212 4.23505  $[-(x^4+6*x^2+1)/(x+1)^4/(x-1)^9$  ogf]  
A018213 9.23928  $-5*(1+7*x+11*x^5+30*x^3+5*x^4+10*x^2)/(x-1)/(1+x)/$   
 $(5*x^4+10*x^2+1)$  lgdogf  
A018214 9.17562  $-2*(3+18*x+30*x^2+80*x^3+15*x^4+30*x^5)/(-1+x)/(x+1)/$   
 $(5*x^4+10*x^2+1)$  lgdogf  
A018215 14.4214  $[4*x/(4*x-1)^2$  ogf]  
A018215 25.6610  $x/(1+(1+4*x)^(1/2))^2$  revogf  
A018215 6.68310  $[{a(n+2)-8*a(n+1)+16*a(n), a(0) = 0, a(1) = 4},$  ogf]  
A018217 4.45278  $[{(-16*n^2-88*n-120)*a(n+1)+(8*n^2+42*n+52)*a(n+2)+(-$   
 $n^2-5*n-6)*a(n+3), a(0) = 0, a(1) = 4, a(2) = 36},$  ogf]  
A018218 3.17738  $[{(-16*n^2-88*n-120)*a(n+1)+(8*n^2+42*n+52)*a(n+2)+(-$   
 $n^2-5*n-6)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 9},$  ogf]  
A018227 7.48516  $[2*(x^4-x^3-2*x^2+3*x+1)/(x+1)^2/(x-1)^4$  ogf]  
A018240 3.36889  $[-(x^4+x^3+2*x^2-1)/(2*x-1)/(x+1)/(2*x^2-1)/(x^2+1)$  ogf]  
A018250 13.4212  $-(17-184*x+480*x^2)/(4*x-1)/(8*x-1)/(5*x-1)$  lgdogf  
A018250 14.3631  $[-1/(4*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A018250 4.94864  $[{a(n+3)-17*a(n+2)+92*a(n+1)-160*a(n), a(0) = 1, a(1) = 17, a(2)$   
 $= 197},$  ogf]  
A018823 6.93771  $[-(x^34-x^33+x^20-x^19+2*x^13-2*x^12+x^11-x^10+x^7-$   
 $x^6+17*x-18)/(x-1)^2$  ogf]  
A018824 14.4091  $[-(x^15-x^14+18*x-19)/(x-1)^2$  ogf]  
A018824 15.5845  $(20-18*x+13*x^15-27*x^14+14*x^13)/(x-1)/(x^15-x^14+18*x-19)$   
lgdogf  
A018836 8.13077  $[-(x+1)*(4*x^5-8*x^4+12*x^2+5*x+1)/(x-1)^3$  ogf]  
A018836 9.12733  $(-9-46*x-32*x^5+12*x^4+32*x^3+12*x^6-53*x^2)/(x-1)/(x+1)/$   
 $(4*x^5-8*x^4+12*x^2+5*x+1)$  lgdogf  
A018837 11.7491  $[x*(2*x^5-2*x^4-x^3+x^2-x+3)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A018837 7.50558  $2*(x^2-2*x-1)*(x^4+x^3+x^2+1)/(-1+x)/(x+1)/(x^2+1)/(2*x^5-2*x^4-$   
 $x^3+x^2-x+3)$  lgdogf  
A018838 12.2856  $(-2-x^6+x^7-4*x^2+2*x^3-2*x^4)/(x-1)/(x^2+x+1)/(x^5-x^4-x^2+x+1)$   
lgdogf  
A018838 9.86285  $[2*x*(x^5-x^4-x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A018839 6.24038  $4*(-2-10*x$   
 $+72*x^5-2*x^6-54*x^7-9*x^8+21*x^9-40*x^3+14*x^4-24*x^2)/(x-1)/(x+1)/$   
 $(12*x^8-24*x^6-20*x^5+28*x^4+20*x^3+12*x^2+5*x+1)$  lgdogf  
A018839 6.96416  $[(x+1)*(12*x^8-24*x^6-20*x^5+28*x^4+20*x^3+12*x^2+5*x+1)/$   
 $(x-1)^2$  ogf]  
A018840 6.66562  $[$   
 $x*(2*x^17-2*x^16+2*x^13-2*x^12+2*x^9-2*x^6-3*x^5+3*x^4-3*x^3+x^2-x+5)/(x+1)/$   
 $(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A018841 8.18303  $[2*x*(x^13-x^11+x^8-x^7-x^4-x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/$   
 $(x-1)^2$  ogf]  
A018842 7.52240  $[(x+1)*(4*x^5-8*x^4+12*x^2+5*x+1)/(x-1)^2$  ogf]  
A018842 8.09372  $4*(-2-10*x+4*x^6-9*x^5+x^4+11*x^3-9*x^2)/(x-1)/(x+1)/$   
 $(4*x^5-8*x^4+12*x^2+5*x+1)$  lgdogf  
A018902 13.1737  $-1/2*(-1-5*x+(1+6*x+13*x^2)^(1/2))/(1+3*x)$  revogf  
A018902 16.2734  $-(4-6*x+3*x^2)/(x-1)/(3*x^2-5*x+1)$  lgdogf  
A018902 16.5236  $[-(x-1)/(3*x^2-5*x+1)$  ogf]  
A018902 9.06782  $[{a(n+2)-5*a(n+1)+3*a(n), a(0) = 1, a(1) = 4},$  ogf]  
A018903 13.1929  $-1/2*(-1-6*x+(1+8*x+20*x^2)^(1/2))/(1+4*x)$  revogf  
A018903 16.2971  $-(5-8*x+4*x^2)/(x-1)/(4*x^2-6*x+1)$  lgdogf  
A018903 16.8084  $[-(x-1)/(4*x^2-6*x+1)$  ogf]  
A018903 9.22410  $[{a(n+2)-6*a(n+1)+4*a(n), a(0) = 1, a(1) = 5},$  ogf]  
A018904 12.5403  $-1/2*(-1-7*x+(1+10*x+29*x^2)^(1/2))/(1+5*x)$  revogf  
A018904 15.4066  $-(6-10*x+5*x^2)/(x-1)/(5*x^2-7*x+1)$  lgdogf  
A018904 16.5833  $[-(x-1)/(5*x^2-7*x+1)$  ogf]

A018904 9.10057 [ $\{a(n+2)-7*a(n+1)+5*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A018905 3.01880 [  $-(x^2+2*x-2)/(x-1)/(x^2+2*x-1)$  ogf]  
A018908 10.2386 [  $-(2*x^3-3*x^2+5*x-3)/(x-1)/(x^3-x^2+2*x-1)$  ogf]  
A018908 9.21477  $-(4-12*x+2*x^6-6*x^5+15*x^4-20*x^3+18*x^2)/(x-1)/(2*x^3-3*x^2+5*x-3)/(x^3-x^2+2*x-1)$  lgdogf  
A018909 3.76901 [  $-(x^{15}+5*x^{14}+x^{13}+5*x^{12}-x^{11}+5*x^{10}+6*x^9-2*x^8+4*x^4-2*x^2-6)/(3*x^{15}-x^{14}+3*x^{13}-2*x^{12}+3*x^{11}+x^{10}-4*x^9+2*x^5-2*x^4-2*x^3-4*x+2)$  ogf]  
A018910 14.6542  $-(5-6*x+3*x^4+6*x^3-6*x^2)/(x-1)/(3*x^2+3*x-4)/(x^2+x-1)$  lgdogf  
A018910 15.7602 [  $-(3*x^2+3*x-4)/(x-1)/(x^2+x-1)$  ogf]  
A018910 8.88609 [ $\{a(n+3)-2*a(n+2)+a(n), a(0) = 4, a(1) = 5, a(2) = 7\}$ , ogf]  
A018911 11.8184  $-2*(9-101*x+270*x^2)/(-1+4*x)/(9*x-1)/(5*x-1)$  lgdogf  
A018911 12.9379 [  $-1/(4*x-1)/(9*x-1)/(5*x-1)$  ogf]  
A018911 4.52825 [ $\{a(n+3)-18*a(n+2)+101*a(n+1)-180*a(n), a(0) = 1, a(1) = 18, a(2) = 223\}$ , ogf]  
A018912 12.0753  $-(19-220*x+600*x^2)/(-1+4*x)/(5*x-1)/(10*x-1)$  lgdogf  
A018912 13.2131 [  $-1/(4*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A018912 4.62459 [ $\{a(n+3)-19*a(n+2)+110*a(n+1)-200*a(n), a(0) = 1, a(1) = 19, a(2) = 251\}$ , ogf]  
A018913 13.0723  $-1/2*(-1-9*x+(11*x+1)^{(1/2)}*(1+7*x)^{(1/2)})/x$  revogf  
A018913 17.7020 [  $x/(x^2-9*x+1)$  ogf]  
A018913 27.3895  $-(9+2*x)/(x^2+1-9*x)$  lgdogf  
A018913 7.21194 [ $\{a(n+2)-9*a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A018914 10.2128 [  $-(x^5-x^2+x-2)/(x-1)/(x^5+x^4+x^3+2*x-1)$  ogf]  
A018914 9.53886  $-(5-6*x-x^6-4*x^4-2*x^3-2*x^7+5*x^2+x^{10})/(x-1)/(x^5+x^4+x^3+2*x-1)/(x^5-x^2+x-2)$  lgdogf  
A018916 13.5553 [  $-(x^2-2)/(2*x^3-4*x+1)$  ogf]  
A018916 14.1630  $-2*(x-1)*(x^3+x^2-3*x-4)/(x^2-2)/(2*x^3-4*x+1)$  lgdogf  
A018916 6.99171 [ $\{a(n+3)-4*a(n+2)+2*a(n), a(0) = 2, a(1) = 8, a(2) = 31\}$ , ogf]  
A018917 11.6919  $-(5+6*x+x^6-x^2-10*x^3-5*x^4)/(x-1)/(x^3-2*x-3)/(x^3+x^2-1)$  lgdogf  
A018917 13.0717 [  $-(x^3-2*x-3)/(x-1)/(x^3+x^2-1)$  ogf]  
A018918 10.2043 [  $-(x^3-2*x^2+3*x-3)/(x-1)/(x^3-x^2+2*x-1)$  ogf]  
A018919 13.5643 [  $-(x^2-3)/(x^3-3*x+1)$  ogf]  
A018919 17.1479  $-(9-2*x+x^4-6*x^2)/(x^2-3)/(x^3-3*x+1)$  lgdogf  
A018919 6.99634 [ $\{a(n+3)-3*a(n+2)+a(n), a(0) = 3, a(1) = 9, a(2) = 26\}$ , ogf]  
A018920 6.17916  $-(10+6*x+3*x^8-x^6-8*x^5-13*x^4-10*x^3+2*x^7-2*x^2+2*x^9+x^{10})/(x-1)/(x^5+x^4+x^3-x-3)/(x^5+2*x^4+3*x^3+3*x^2+2*x-1)$  lgdogf  
A018920 7.84746 [  $-(x^5+x^4+x^3-x-3)/(x-1)/(x^5+2*x^4+3*x^3+3*x^2+2*x-1)$  ogf]  
A018921 13.9198 [  $-(2*x^3+x^2-4)/(x-1)/(x^3+x^2+x-1)$  ogf]  
A018921 6.74432  $-2*(4-x+x^6+x^5-4*x^3-2*x^2)/(-1+x)/(2*x^3+x^2-4)/(x^3+x^2+x-1)$  lgdogf  
A018922 11.8368 [  $-(4*x^4+2*x^3+x^2-8)/(x-1)/(x^4+x^3+x^2+x-1)$  ogf]  
A018922 8.30254  $-(16-2*x+4*x^8+3*x^6+4*x^7-16*x^4-8*x^3-4*x^2)/(-1+x)/(4*x^4+2*x^3+x^2-8)/(x^4+x^3+x^2+x-1)$  lgdogf  
A018923 10.3948 [  $-(8*x^5+4*x^4+2*x^3+x^2-16)/(x-1)/(x^5+x^4+x^3+x^2+x-1)$  ogf]  
A018932 18.4789  $(5+x^2)/(x-1)/(x-3)/(x^2-x+1)$  lgdegf  
A018932 7.46193 [  $x*(x-3)*(x^2-x+1)/(x-1)^3$  egf]  
A018933 5.53734 [  $(3*x^5-11*x^4+16*x^3-7*x^2+3*x+2)/(x-1)^4$  egf]  
A018933 6.76955  $(-11+5*x+28*x^3-34*x^2-15*x^4+3*x^5)/(x-1)/(3*x^5-11*x^4+16*x^3-7*x^2+3*x+2)$  lgdegf  
A018934 5.36161 [ $\{(-n^2+n)*a(n)-a(n+1)*n^2+(-1+n)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$ , ogf]  
A019040 10.8292  $-2*(15*x-2)*(22*x-5)/(5*x-1)/(4*x-1)/(11*x-1)$  lgdogf  
A019040 11.8725 [  $-1/(5*x-1)/(4*x-1)/(11*x-1)$  ogf]  
A019040 4.15538 [ $\{a(n+3)-20*a(n+2)+119*a(n+1)-220*a(n), a(0) = 1, a(1) = 20, a(2) = 281\}$ , ogf]  
A019041 11.2069  $-(21-256*x+720*x^2)/(-1+12*x)/(4*x-1)/(5*x-1)$  lgdogf  
A019041 12.2772 [  $-1/(12*x-1)/(4*x-1)/(5*x-1)$  ogf]  
A019041 4.29703 [ $\{a(n+3)-21*a(n+2)+128*a(n+1)-240*a(n), a(0) = 1, a(1) = 21, a(2) = 313\}$ , ogf]

A019274 19.7137 [  $2*x^2/(x-1)/(x^2+x-1)$  ogf]  
A019274 26.7476  $-(-2+3*x^2)/(x-1)/(x^2+x-1)$  lgdogf  
A019274 7.92833 [  $\{a(n+3)-2*a(n+2)+a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A019298 14.1274  $-(4+10*x+3*x^3+7*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A019298 24.5542 [  $-x^2+x+4$  ogf\_with\_Euler\_transform]  
A019298 7.63444 [  $x*(x^2+x+1)/(x+1)/(x-1)^4$  ogf]  
A019303 14.7032 [  $-(3*x^3+x^2-4*x-1)/(x-1)^2/(x+1)^2$  ogf]  
A019303 16.4534  $-(-4-2*x+3*x^4+2*x^3-3*x^2)/(x-1)/(1+x)/(3*x^3+x^2-4*x-1)$  lgdogf  
A019304 6.78385 [  $-(7*x^{11}+x^{10}+2*x^9+x^8-18*x^7-2*x^6-6*x^5-2*x^4+12*x^3+x^2+4*x+1)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
A019316 12.7815  $-(-17-188*x+504*x^2)/(6*x-1)/(7*x-1)/(-1+4*x)$  lgdogf  
A019316 14.0040 [  $-1/(6*x-1)/(7*x-1)/(4*x-1)$  ogf]  
A019316 4.82492 [  $\{a(n+3)-17*a(n+2)+94*a(n+1)-168*a(n), a(0) = 1, a(1) = 17, a(2) = 195\}$ , ogf]  
A019333 11.4972  $-2*(9-104*x+288*x^2)/(-1+6*x)/(8*x-1)/(4*x-1)$  lgdogf  
A019333 12.5938 [  $-1/(6*x-1)/(8*x-1)/(4*x-1)$  ogf]  
A019333 4.40782 [  $\{a(n+3)-18*a(n+2)+104*a(n+1)-192*a(n), a(0) = 1, a(1) = 18, a(2) = 220\}$ , ogf]  
A019425 12.3273 [  $x*(x^4-x^3+2*x^2+x+1)/(x-1)^2/(x+1)^2$  ogf]  
A019425 18.3533  $(x^2+1)*(x^2-8*x-1)/(x-1)/(x+1)/(x^4-x^3+2*x^2+x+1)$  lgdogf  
A019426 12.0160 [  $x*(x^4-x^3+3*x^2+x+2)/(x-1)^2/(x+1)^2$  ogf]  
A019426 17.5423  $(-1-14*x+x^4-10*x^3)/(x-1)/(1+x)/(x^4-x^3+3*x^2+x+2)$  lgdogf  
A019427 12.2981 [  $x*(x^4-x^3+4*x^2+x+3)/(x-1)^2/(x+1)^2$  ogf]  
A019427 17.9600  $(-1-20*x+x^4-12*x^3)/(x-1)/(x+1)/(x^4-x^3+4*x^2+x+3)$  lgdogf  
A019428 12.0553 [  $x*(x^4-x^3+5*x^2+x+4)/(x-1)^2/(x+1)^2$  ogf]  
A019428 17.6021  $(-1-26*x+x^4-14*x^3)/(x-1)/(1+x)/(x^4-x^3+5*x^2+x+4)$  lgdogf  
A019429 12.1675 [  $x*(x^4-x^3+6*x^2+x+5)/(x-1)^2/(x+1)^2$  ogf]  
A019429 17.7681  $(-1-32*x+x^4-16*x^3)/(x-1)/(x+1)/(x^4-x^3+6*x^2+x+5)$  lgdogf  
A019430 12.2235 [  $x*(x^4-x^3+7*x^2+x+6)/(x-1)^2/(x+1)^2$  ogf]  
A019430 17.8512  $(-1-38*x+x^4-18*x^3)/(x-1)/(x+1)/(x^4-x^3+7*x^2+x+6)$  lgdogf  
A019431 12.1296 [  $x*(x^4-x^3+8*x^2+x+7)/(x-1)^2/(x+1)^2$  ogf]  
A019431 17.7129  $(-1-44*x+x^4-20*x^3)/(x-1)/(x+1)/(x^4-x^3+8*x^2+x+7)$  lgdogf  
A019432 12.1296 [  $x*(x^4-x^3+9*x^2+x+8)/(x-1)^2/(x+1)^2$  ogf]  
A019432 17.7129  $(-1-50*x+x^4-22*x^3)/(x-1)/(x+1)/(x^4-x^3+9*x^2+x+8)$  lgdogf  
A019433 12.0293 [  $x*(x^4-x^3+10*x^2+x+9)/(x-1)^2/(x+1)^2$  ogf]  
A019433 17.4599  $(-1-56*x+x^4-24*x^3)/(x-1)/(x+1)/(x^4-x^3+10*x^2+x+9)$  lgdogf  
A019439 7.15535  $-(1+x)*(x^9-3*x^8+2*x^6+5*x^5+5*x^4-5*x^3+9*x^2+2*x+2)/(x^5-x^4-2*x^3-2*x^2-1)/(x^6-x^5-2*x^4-3*x^3-2*x+1)$  lgdogf  
A019439 7.95951 [  $-(x^5-x^4-2*x^3-2*x^2-1)/(x^6-x^5-2*x^4-3*x^3-2*x+1)$  ogf]  
A019442 16.0017 [  $(x+1)*(2*x^2-x+1)/(x-1)^2$  ogf]  
A019442 21.3235  $2*(-1-x+x^3-3*x^2)/(x-1)/(x+1)/(2*x^2-x+1)$  lgdogf  
A019442 8.00084 [  $\{-a(n+4)+2*a(n+3)-a(n+2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$ , ogf]  
A019443 12.2184  $-(-19-228*x+648*x^2)/(6*x-1)/(-1+4*x)/(9*x-1)$  lgdogf  
A019443 13.0755 [  $-1/(6*x-1)/(4*x-1)/(9*x-1)$  ogf]  
A019443 4.57642 [  $\{a(n+3)-19*a(n+2)+114*a(n+1)-216*a(n), a(0) = 1, a(1) = 19, a(2) = 247\}$ , ogf]  
A019449 4.94018 [  $-(x^8-x^7-2*x^5-x^4-x^3-2*x^2-1)/(x^2+1)/(x^2-x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A019475 8.36131 [  $-(2*x^{10}+x^2-2)/(5*x^{11}-x^{10}+2*x^3-x^2-5*x+1)$  ogf]  
A019476 10.8356  $-(10+2*x+2*x^4-7*x^2)/(x^2-2)/(2*x^3-x^2-5*x+1)$  lgdogf  
A019476 4.57243 [  $\{-a(n+3)+5*a(n+2)+a(n+1)-2*a(n), a(0) = 2, a(1) = 10, a(2) = 51\}$ , ogf]  
A019476 9.14486 [  $-(x^2-2)/(2*x^3-x^2-5*x+1)$  ogf]  
A019477 10.3053  $-(-15+2*x+6*x^4-17*x^2)/(2*x^2-3)/(3*x^3-x^2-5*x+1)$  lgdogf  
A019477 12.4319 [  $-(2*x^2-3)/(3*x^3-x^2-5*x+1)$  ogf]  
A019477 6.21597 [  $\{-a(n+3)+5*a(n+2)+a(n+1)-3*a(n), a(0) = 3, a(1) = 15, a(2) = 76\}$ , ogf]  
A019478 10.3053  $-(-15+2*x+6*x^4-17*x^2)/(2*x^2-3)/(3*x^3-x^2-5*x+1)$  lgdogf  
A019478 13.6043 [  $-(2*x^2-3)/(3*x^3-x^2-5*x+1)$  ogf]

A019478 6.80214 [  $\{-a(n+3)+5a(n+2)+a(n+1)-3a(n), a(0) = 3, a(1) = 15, a(2) = 76\}$ , ogf]  
A019479 10.0344 [  $-(2x^3-x^2+4x-4)/(x-1)/(x^3+2x-1)$  ogf]  
A019481 12.4036 [  $-(3x^2-4)/(2x^3-x^2-3x+1)$  ogf]  
A019481 6.20182 [  $\{-a(n+3)+3a(n+2)+a(n+1)-2a(n), a(0) = 4, a(1) = 12, a(2) = 37\}$ , ogf]  
A019482 10.6231  $-(28+2x+15x^4-39x^2)/(3x^2-4)/(5x^3-x^2-7x+1)$  lgdogf  
A019482 12.0178 [  $-(3x^2-4)/(5x^3-x^2-7x+1)$  ogf]  
A019482 5.95667 [  $\{-a(n+3)+7a(n+2)+a(n+1)-5a(n), a(0) = 4, a(1) = 28, a(2) = 197\}$ , ogf]  
A019483 12.0753  $-4(5-62x+180x^2)/(6x-1)/(-1+4x)/(10x-1)$  lgdogf  
A019483 13.2131 [  $-1/(6x-1)/(4x-1)/(10x-1)$  ogf]  
A019483 4.62459 [  $\{a(n+3)-20a(n+2)+124a(n+1)-240a(n), a(0) = 1, a(1) = 20, a(2) = 276\}$ , ogf]  
A019484 5.98489  $-(55+98x+42x^6-50x^2-178x^3-42x^4+84x^5)/(7x^3+7x^2-7x-8)/(6x^4+5x^3-7x^2-6x+1)$  lgdogf  
A019484 9.01495 [  $-(7x^3+7x^2-7x-8)/(6x^4+5x^3-7x^2-6x+1)$  ogf]  
A019485 10.4882 [  $-(2x^2-x-2)/(x-1)/(3x^2+x-1)$  ogf]  
A019485 10.9904  $-(5+4x-12x^2-6x^3+6x^4)/(x-1)/(3x^2+x-1)/(2x^2-x-2)$  lgdogf  
A019485 5.66179 [  $\{-a(n+3)+2a(n+2)+2a(n+1)-3a(n), a(0) = 2, a(1) = 5, a(2) = 12\}$ , ogf]  
A019486 6.33448 [  $-(x-1)(x^4+2x^3+3x^2+3x+2)/(x^7+x^6+x^5+x^4-x^2-2x+1)$  ogf]  
A019487 8.61388  $-(6-2x+6x^2-10x^3+x^4-4x^5+2x^6)/(x^3-x^2-2)/(2x^4-2x^3+x^2-3x+1)$  lgdogf  
A019487 8.79241 [  $-(x^3-x^2-2)/(2x^4-2x^3+x^2-3x+1)$  ogf]  
A019488 11.2041  $-(21-268x+792x^2)/(6x-1)/(4x-1)/(11x-1)$  lgdogf  
A019488 12.0074 [  $-1/(6x-1)/(4x-1)/(11x-1)$  ogf]  
A019488 4.20259 [  $\{a(n+3)-21a(n+2)+134a(n+1)-264a(n), a(0) = 1, a(1) = 21, a(2) = 307\}$ , ogf]  
A019489 10.0344 [  $-(x^3-x^2+2x-3)/(x-1)/(x^3+2x-1)$  ogf]  
A019489 5.36561 [  $\{a(n+4)-3a(n+3)+2a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 7, a(2) = 16, a(3) = 36\}$ , ogf]  
A019490 10.5655  $-2(11-144x+432x^2)/(-1+6x)/(-1+12x)/(4x-1)$  lgdogf  
A019490 12.3447 [  $-1/(6x-1)/(12x-1)/(4x-1)$  ogf]  
A019490 4.32064 [  $\{a(n+3)-22a(n+2)+144a(n+1)-288a(n), a(0) = 1, a(1) = 22, a(2) = 340\}$ , ogf]  
A019492 3.59224 [  $(x^{24}-x^{23}+x^{22}+9x^{21}+2x^{20}-8x^{19}+2x^{15}-x^4+x^3+2x^2-x-4)/(x^{24}-x^{23}-5x^{22}+x^{21}+5x^{20}-2x^{19}-x^6+x^5-x^4-x^3+x^2+2x-1)$  ogf]  
A019493 6.77306  $-(9-14x-15x^6-20x^7-27x^2+24x^3+33x^4+12x^5+x^{10})/(x^6-4x^3+3x-1)/(x^5-7x^2-3x+4)$  lgdogf  
A019493 9.22391 [  $-(x^5-7x^2-3x+4)/(x^6-4x^3+3x-1)$  ogf]  
A019494 10.1153 [  $-(3x^3-2x^2+2x-4)/(x-1)/(2x^3+2x-1)$  ogf]  
A019494 7.42557  $-(10-12x+6x^6+13x^2-22x^3+10x^4-8x^5)/(x-1)/(2x^3+2x-1)/(3x^3-2x^2+2x-4)$  lgdogf  
A019495 6.87839 [  $-(3x^5-2x^4+2x^3-x^2+x-4)/(x-1)/(2x^5+2x^3+x^2+2x-1)$  ogf]  
A019496 7.46945  $-(1+x)(6x^5-18x^4+21x^3-x^2-17x+11)/(2x^4-3x^3+3x-1)/(3x^3-3x^2-x+4)$  lgdogf  
A019496 8.63033 [  $-(3x^3-3x^2-x+4)/(2x^4-3x^3+3x-1)$  ogf]  
A019497 22.4923  $-1/2+1/2(1+4x-4x^3)^{1/2}$  revogf  
A019512 11.6899  $-(19-232x+672x^2)/(8x-1)/(-1+7x)/(-1+4x)$  lgdogf  
A019512 12.8002 [  $-1/(8x-1)/(7x-1)/(4x-1)$  ogf]  
A019512 4.48008 [  $\{a(n+3)-19a(n+2)+116a(n+1)-224a(n), a(0) = 1, a(1) = 19, a(2) = 245\}$ , ogf]  
A019519 5.14909 [  $(122130x^6-232110x^5+99000x^4+9900x^3+990x^2+89x-1)/(100x-1)/(x-1)^2$  ogf]  
A019520 5.98160 [  $2(11070x^5-21060x^4+9000x^3+900x^2+90x-1)/(100x-1)/(x-1)^2$  ogf]  
A019525 11.4860 [  $-(4x^2+x-2)/(x-1)/(3x^2+x-1)$  ogf]  
A019525 12.7230  $-3(2x+1)(2x^3-2x+1)/(x-1)/(3x^2+x-1)/(4x^2+x-2)$  lgdogf

A019525 6.25578 [ $\{a(n+3)-2*a(n+2)-2*a(n+1)+3*a(n), a(0) = 2, a(1) = 3, a(2) = 6\}$ , ogf]  
A019526 10.6922 [  $-(2*x^4+3*x^3+2*x^2+3*x-4)/(x-1)/(x^4+x^3+x^2+x-1)$  ogf]  
A019526 7.16611  $-(5-4*x+12*x^5+6*x^6+6*x^7+2*x^8+4*x^3-8*x^4-5*x^2)/(x-1)/(2*x^4+3*x^3+2*x^2+3*x-4)/(x^4+x^3+x^2+x-1)$  lgdogf  
A019527 9.41013 [  $(x^4-4*x^3+x^2-4*x+4)/(x-1)/(x^3+x-1)$  ogf]  
A019528 4.65789 [  $(x^{10}+3*x^9+x^8-x^7-9*x^6-14*x^5-15*x^4-7*x^3+x^2+5*x+5)/(x^9+x^8+2*x^7+x^6-2*x^4-2*x^3-x^2+1)$  ogf]  
A019545 10.4550 [  $-x*(8*x+1)/(1000*x^2-1)$  ogf]  
A019545 11.4772  $1/16*(-1+(1+32*x+4000*x^2)^{(1/2)})/(1+125*x)$  revogf  
A019545 11.7505  $-8*(1+250*x+1000*x^2)/(1+8*x)/(1000*x^2-1)$  lgdogf  
A019545 5.83534 [ $\{-a(n+3)+1000*a(n+1), a(0) = 0, a(1) = 1, a(2) = 8\}$ , ogf]  
A019548 5.75804 [  $8*(331*x^6-449*x^5-1389*x^4+3551*x^3-1919*x^2+500*x+125)/(x-1)^4$  ogf]  
A019548 5.93636  $(-1000+2338*x+662*x^6-2435*x^5+2245*x^4+2005*x^3-6815*x^2)/(x-1)/(331*x^6-449*x^5-1389*x^4+3551*x^3-1919*x^2+500*x+125)$  lgdogf  
A019550 11.3046 [  $-6*(60*x^5-75*x^4-2)/(x-1)^2$  ogf]  
A019550 13.1948  $2*(2+90*x^5+150*x^3-225*x^4)/(x-1)/(60*x^5-75*x^4-2)$  lgdogf  
A019550 4.80060 [ $\{(n+3)*a(n+1)+(-n-2)*a(n+2), a(0) = 12, a(1) = 24, a(2) = 36, a(3) = 48, a(4) = 510\}$ , ogf]  
A019557 18.1971 [  $(7*x^2+10*x+1)/(x-1)^2$  ogf]  
A019557 19.8670  $-12*(1+2*x)/(x-1)/(7*x^2+10*x+1)$  lgdogf  
A019557 9.44848 [ $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 12, a(2) = 30\}$ , ogf]  
A019558 6.55332 [  $(x^4+140*x^3+198*x^2+44*x+1)/(x-1)^4$  ogf]  
A019558 9.60784  $-48*(1+11*x+3*x^3+17*x^2)/(x-1)/(x^4+140*x^3+198*x^2+44*x+1)$  lgdogf  
A019559 12.6687 [  $-2*(3*x^4+3*x^3+3*x^2+2*x+2)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A019559 7.89673  $-(2+6*x+3*x^8+12*x^3+9*x^2+10*x^4+8*x^5+9*x^6+6*x^7)/(x-1)/(x^4+x^3+x^2+x+1)/(3*x^4+3*x^3+3*x^2+2*x+2)$  lgdogf  
A019560 10.6008  $-32*(x+1)*(1+6*x+x^2)/(x-1)/(x^4+28*x^3+70*x^2+28*x+1)$  lgdogf  
A019560 3.85467 [ $\{(-2*n^2-n)*a(n)+(4*n^2+8*n+36)*a(n+1)+(-2*n^2-7*n-6)*a(n+2), a(0) = 1, a(1) = 32\}$ , ogf]  
A019560 6.65807 [  $(x^4+28*x^3+70*x^2+28*x+1)/(x-1)^4$  ogf]  
A019561 3.77254 [ $\{(-2*n^2-n)*a(n)+(4*n^2+8*n+54)*a(n+1)+(-2*n^2-7*n-6)*a(n+2), a(0) = 1, a(1) = 50\}$ , ogf]  
A019561 5.26079 [  $-(x+1)*(x^4+44*x^3+166*x^2+44*x+1)/(x-1)^5$  ogf]  
A019561 7.89286  $-10*(x^2+10*x+5)*(5*x^2+10*x+1)/(x-1)/(x+1)/(x^4+44*x^3+166*x^2+44*x+1)$  lgdogf  
A019562 5.09526 [ $\{(-2*n^2-n)*a(n)+(4*n^2+8*n+76)*a(n+1)+(-2*n^2-7*n-6)*a(n+2), a(0) = 1, a(1) = 72\}$ , ogf]  
A019562 6.05062 [  $(x^2+6*x+1)*(x^4+60*x^3+134*x^2+60*x+1)/(x-1)^6$  ogf]  
A019562 6.34746  $-24*(x+3)*(3*x+1)*(x+1)*(x^2+14*x+1)/(x-1)/(x^2+6*x+1)/(x^4+60*x^3+134*x^2+60*x+1)$  lgdogf  
A019563 3.59611 [ $\{(-2*n^2-n)*a(n)+(4*n^2+8*n+102)*a(n+1)+(-2*n^2-7*n-6)*a(n+2), a(0) = 1, a(1) = 98\}$ , ogf]  
A019563 3.64374 [  $-(x+1)*(x^6+90*x^5+911*x^4+2092*x^3+911*x^2+90*x+1)/(x-1)^7$  ogf]  
A019563 5.27295  $-14*(7*x^3+35*x^2+21*x+1)*(x^3+21*x^2+35*x+7)/(x-1)/(x+1)/(x^6+90*x^5+911*x^4+2092*x^3+911*x^2+90*x+1)$  lgdogf  
A019564 3.34588 [ $\{(-2*n^2-n)*a(n)+(4*n^2+8*n+132)*a(n+1)+(-2*n^2-7*n-6)*a(n+2), a(0) = 1, a(1) = 128\}$ , ogf]  
A019579 6.79310 [  $-(9*x^6-35*x^5+41*x^4+5*x^3-45*x^2+35*x+2)/(x-1)^5$  ogf]  
A019579 7.98826  $(-45-50*x+9*x^6-54*x^5+134*x^4-174*x^3+120*x^2)/(-1+x)/(9*x^6-35*x^5+41*x^4+5*x^3-45*x^2+35*x+2)$  lgdogf  
A019582 22.2413  $-12*(1+3*x+x^2)/(x-1)/(4*x^2+7*x+1)$  lgdogf  
A019582 4.20171 [ $\{(-112*n^2-396*n-344)*a(n+1)+(3*n^2-676*n-948)*a(n+2)+(109*n^2+188*n+79)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A019582 9.03125 [  $-x^2*(4*x^2+7*x+1)/(x-1)^5$  ogf]  
A019583 10.7656  $-12*(x+1)*(2*x^2+11*x+2)/(x-1)/(8*x^3+33*x^2+18*x+1)$  lgdogf  
A019583 5.34409 [  $x^2*(8*x^3+33*x^2+18*x+1)/(x-1)^6$  ogf]  
A019584 10.9963  $-6*(3+15*x+x^3+11*x^2)/(x-1)/(2*x^3+15*x^2+12*x+1)$  lgdogf

A019584 5.24978 [  $x^2*(2*x^3+15*x^2+12*x+1)/(x-1)^6$  ogf]  
A019590 124.542  $1/(x+1)$  lgdogf  
A019590 21.9020 [[1-x] ogf\_with\_Euler\_transform]  
A019590 41.5138  $2*x/(1+(1+2*x)^(1/2))$  revegfg  
A019590 9.21998 [{a(n+2), a(0) = 1, a(1) = 1}, ogf]  
A019613 11.8128  $-2*(10-127*x+378*x^2)/(-1+4*x)/(9*x-1)/(7*x-1)$  lgdogf  
A019613 13.2131 [  $-1/(4*x-1)/(9*x-1)/(7*x-1)$  ogf]  
A019613 4.62459 [{a(n+3)-20\*a(n+2)+127\*a(n+1)-252\*a(n), a(0) = 1, a(1) = 20, a(2) = 273}, ogf]  
A019618 12.0753  $-3*(7-92*x+280*x^2)/(-1+4*x)/(7*x-1)/(10*x-1)$  lgdogf  
A019618 13.2131 [  $-1/(4*x-1)/(7*x-1)/(10*x-1)$  ogf]  
A019618 4.62459 [{a(n+3)-21\*a(n+2)+138\*a(n+1)-280\*a(n), a(0) = 1, a(1) = 21, a(2) = 303}, ogf]  
A019623 12.2098 [  $-1/(11*x-1)/(7*x-1)/(4*x-1)$  ogf]  
A019623 4.27342 [{a(n+3)-22\*a(n+2)+149\*a(n+1)-308\*a(n), a(0) = 1, a(1) = 22, a(2) = 335}, ogf]  
A019628 11.0865  $-(23-320*x+1008*x^2)/(12*x-1)/(-1+4*x)/(7*x-1)$  lgdogf  
A019628 12.4122 [  $-1/(12*x-1)/(4*x-1)/(7*x-1)$  ogf]  
A019628 4.34426 [{a(n+3)-23\*a(n+2)+160\*a(n+1)-336\*a(n), a(0) = 1, a(1) = 23, a(2) = 369}, ogf]  
A019664 12.0753  $-(21-280*x+864*x^2)/(-1+4*x)/(9*x-1)/(-1+8*x)$  lgdogf  
A019664 13.2131 [  $-1/(4*x-1)/(9*x-1)/(8*x-1)$  ogf]  
A019664 4.62459 [{a(n+3)-21\*a(n+2)+140\*a(n+1)-288\*a(n), a(0) = 1, a(1) = 21, a(2) = 301}, ogf]  
A019671 11.3206  $-2*(11-152*x+480*x^2)/(-1+4*x)/(-1+8*x)/(10*x-1)$  lgdogf  
A019671 13.2131 [  $-1/(4*x-1)/(8*x-1)/(10*x-1)$  ogf]  
A019671 4.62459 [{a(n+3)-22\*a(n+2)+152\*a(n+1)-320\*a(n), a(0) = 1, a(1) = 22, a(2) = 332}, ogf]  
A019672 11.2699  $-(23-328*x+1056*x^2)/(11*x-1)/(8*x-1)/(4*x-1)$  lgdogf  
A019672 12.3447 [  $-1/(11*x-1)/(8*x-1)/(4*x-1)$  ogf]  
A019672 4.32064 [{a(n+3)-23\*a(n+2)+164\*a(n+1)-352\*a(n), a(0) = 1, a(1) = 23, a(2) = 365}, ogf]  
A019677 14.5259  $-8*(3-44*x+144*x^2)/(8*x-1)/(12*x-1)/(-1+4*x)$  lgdogf  
A019677 15.8439 [  $-1/(8*x-1)/(12*x-1)/(4*x-1)$  ogf]  
A019677 5.54536 [{a(n+3)-24\*a(n+2)+176\*a(n+1)-384\*a(n), a(0) = 1, a(1) = 24, a(2) = 400}, ogf]  
A019682 17.4038 [  $-1/(4*x-1)/(9*x-1)/(10*x-1)$  ogf]  
A019682 6.09132 [{a(n+3)-23\*a(n+2)+166\*a(n+1)-360\*a(n), a(0) = 1, a(1) = 23, a(2) = 363}, ogf]  
A019687 13.8451  $-2*(12-179*x+594*x^2)/(9*x-1)/(-1+4*x)/(11*x-1)$  lgdogf  
A019687 15.7738 [  $-1/(9*x-1)/(4*x-1)/(11*x-1)$  ogf]  
A019687 5.52082 [{a(n+3)-24\*a(n+2)+179\*a(n+1)-396\*a(n), a(0) = 1, a(1) = 24, a(2) = 397}, ogf]  
A019722 11.2097  $-(25-384*x+1296*x^2)/(12*x-1)/(-1+4*x)/(9*x-1)$  lgdogf  
A019722 12.5471 [  $-1/(12*x-1)/(4*x-1)/(9*x-1)$  ogf]  
A019722 4.39148 [{a(n+3)-25\*a(n+2)+192\*a(n+1)-432\*a(n), a(0) = 1, a(1) = 25, a(2) = 433}, ogf]  
A019742 10.6836  $-(25-388*x+1320*x^2)/(-1+10*x)/(-1+4*x)/(11*x-1)$  lgdogf  
A019742 12.4796 [  $-1/(10*x-1)/(4*x-1)/(11*x-1)$  ogf]  
A019742 4.36787 [{a(n+3)-25\*a(n+2)+194\*a(n+1)-440\*a(n), a(0) = 1, a(1) = 25, a(2) = 431}, ogf]  
A019747 12.7495 [  $-1/(12*x-1)/(4*x-1)/(10*x-1)$  ogf]  
A019747 4.46231 [{a(n+3)-26\*a(n+2)+208\*a(n+1)-480\*a(n), a(0) = 1, a(1) = 26, a(2) = 468}, ogf]  
A019752 10.0657  $-(27-448*x+1584*x^2)/(11*x-1)/(12*x-1)/(4*x-1)$  lgdogf  
A019752 16.4047 [  $-1/(11*x-1)/(12*x-1)/(4*x-1)$  ogf]  
A019752 5.74166 [{a(n+3)-27\*a(n+2)+224\*a(n+1)-528\*a(n), a(0) = 1, a(1) = 27, a(2) = 505}, ogf]  
A019757 12.9154  $-2*(9-107*x+315*x^2)/(6*x-1)/(7*x-1)/(5*x-1)$  lgdogf  
A019757 18.9142 [  $-1/(6*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A019757 6.61998 [{a(n+3)-18\*a(n+2)+107\*a(n+1)-210\*a(n), a(0) = 1, a(1) = 18,



$a(2) = 217$ }, ogf]  
A019783 12.1664  $-(19-236*x+720*x^2)/(6*x-1)/(8*x-1)/(5*x-1)$  lgdogf  
A019783 12.7314  $[-1/(6*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A019783 4.45598  $[{a(n+3)-19*a(n+2)+118*a(n+1)-240*a(n), a(0) = 1, a(1) = 19,$   
 $a(2) = 243}$ }, ogf]  
A019793 12.3498  $-2*(15*x-2)*(27*x-5)/(6*x-1)/(9*x-1)/(5*x-1)$  lgdogf  
A019793 13.2131  $[-1/(6*x-1)/(9*x-1)/(5*x-1)$  ogf]  
A019793 4.62459  $[{a(n+3)-20*a(n+2)+129*a(n+1)-270*a(n), a(0) = 1, a(1) = 20,$   
 $a(2) = 271}$ }, ogf]  
A019839 15.5914  $-(21-280*x+900*x^2)/(6*x-1)/(5*x-1)/(10*x-1)$  lgdogf  
A019839 16.6192  $[-1/(6*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A019839 5.81671  $[{a(n+3)-21*a(n+2)+140*a(n+1)-300*a(n), a(0) = 1, a(1) = 21,$   
 $a(2) = 301}$ }, ogf]  
A019854 15.5648  $-2*(11-151*x+495*x^2)/(6*x-1)/(5*x-1)/(11*x-1)$  lgdogf  
A019854 17.3324  $[-1/(6*x-1)/(5*x-1)/(11*x-1)$  ogf]  
A019854 6.06635  $[{a(n+3)-22*a(n+2)+151*a(n+1)-330*a(n), a(0) = 1, a(1) = 22,$   
 $a(2) = 333}$ }, ogf]  
A019869 11.3328  $-(23-324*x+1080*x^2)/(12*x-1)/(6*x-1)/(5*x-1)$  lgdogf  
A019869 12.4122  $[-1/(12*x-1)/(6*x-1)/(5*x-1)$  ogf]  
A019869 4.34426  $[{a(n+3)-23*a(n+2)+162*a(n+1)-360*a(n), a(0) = 1, a(1) = 23,$   
 $a(2) = 367}$ }, ogf]  
A019928 11.7542  $-2*(15*x-2)*(28*x-5)/(8*x-1)/(-1+7*x)/(5*x-1)$  lgdogf  
A019928 12.8690  $[-1/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A019928 4.50416  $[{a(n+3)-20*a(n+2)+131*a(n+1)-280*a(n), a(0) = 1, a(1) = 20,$   
 $a(2) = 269}$ }, ogf]  
A019943 15.9540  $-(21-286*x+945*x^2)/(9*x-1)/(7*x-1)/(5*x-1)$  lgdogf  
A019943 16.6192  $[-1/(9*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A019943 5.81671  $[{a(n+3)-21*a(n+2)+143*a(n+1)-315*a(n), a(0) = 1, a(1) = 21,$   
 $a(2) = 298}$ }, ogf]  
A019958 11.8128  $-2*(11-155*x+525*x^2)/(7*x-1)/(5*x-1)/(10*x-1)$  lgdogf  
A019958 13.2131  $[-1/(7*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A019958 4.62459  $[{a(n+3)-22*a(n+2)+155*a(n+1)-350*a(n), a(0) = 1, a(1) = 22,$   
 $a(2) = 329}$ }, ogf]  
A019992 11.5146  $-(21+8*x-2*x^5-12*x^4-6*x^3-10*x^2+2*x^6+x^8)/(x^5+x^3-x^2-4*x$   
 $+1)/(x^4+x^2-x-5)$  lgdogf  
A019992 11.9849  $[-(x^4+x^2-x-5)/(x^5+x^3-x^2-4*x+1)$  ogf]  
A019999 2.91683  $[{(-2*n^2-12*n-16)*a(n+1)+(2*n^2+19*n+39)*a(n+2)+(-n-3)*a(n+3),$   
 $a(0) = 4, a(1) = 36, a(2) = 384}$ }, ogf]  
A019999 20.5634  $-3*(3+2*x)/(x+1)/(2*x-1)$  lgdegf  
A019999 7.88455  $[4*(x+1)/(2*x-1)^4$  egf]  
A020000 11.2069  $-(23-334*x+1155*x^2)/(7*x-1)/(5*x-1)/(11*x-1)$  lgdogf  
A020000 12.2772  $[-1/(7*x-1)/(5*x-1)/(11*x-1)$  ogf]  
A020000 4.29703  $[{a(n+3)-23*a(n+2)+167*a(n+1)-385*a(n), a(0) = 1, a(1) = 23,$   
 $a(2) = 362}$ }, ogf]  
A020332 10.0206  $[-(720*x^16-768*x^15+36*x^4-48*x^3-5)/(x-1)^2$  ogf]  
A020332 8.04401  $2*(5+36*x^4-96*x^3+72*x^2+5760*x^14-10752*x^15+5040*x^16)/(x-1)/$   
 $(720*x^16-768*x^15+36*x^4-48*x^3-5)$  lgdogf  
A020335 13.3809  $[-2*(126*x^7-147*x^6-4)/(x-1)^2$  ogf]  
A020335 14.5606  $2*(4+441*x^5-735*x^6+315*x^7)/(x-1)/(126*x^7-147*x^6-4)$  lgdogf  
A020335 4.77329  $[{(n+3)*a(n+1)+(-n-2)*a(n+2), a(0) = 8, a(1) = 16, a(2) = 24,$   
 $a(3) = 32, a(4) = 40, a(5) = 48, a(6) = 350}$ }, ogf]  
A020336 13.5702  $[-(392*x^8-448*x^7-9)/(x-1)^2$  ogf]  
A020336 14.0066  $2*(9+1176*x^8-2688*x^7+1568*x^6)/(x-1)/(392*x^8-448*x^7-9)$   
lgdogf  
A020336 4.49882  $[{(n+3)*a(n+1)+(-n-2)*a(n+2), a(0) = 9, a(1) = 18, a(2) = 27,$   
 $a(3) = 36, a(4) = 45, a(5) = 54, a(6) = 63, a(7) = 520}$ }, ogf]  
A020337 13.1532  $[-2*(288*x^9-324*x^8-5)/(x-1)^2$  ogf]  
A020337 13.7963  $2*(5-2268*x^8+1008*x^9+1296*x^7)/(x-1)/(288*x^9-324*x^8-5)$   
lgdogf  
A020337 4.11869  $[{(n+3)*a(n+1)+(-n-2)*a(n+2), a(0) = 10, a(1) = 20, a(2) = 30,$   
 $a(3) = 40, a(4) = 50, a(5) = 60, a(6) = 70, a(7) = 80, a(8) = 738}$ }, ogf]

A020338 13.0297  $2*(11+4050*x^8+3240*x^{10}-7200*x^9)/(x-1)/(810*x^{10}-900*x^9-11)$  lgdogf  
A020338 13.0660  $[-(810*x^{10}-900*x^9-11)/(x-1)^2$  ogf]  
A020341 11.0865  $-2*(12-179*x+630*x^2)/(12*x-1)/(7*x-1)/(5*x-1)$  lgdogf  
A020341 12.4122  $[-1/(12*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A020341 4.34426  $[{a(n+3)-24*a(n+2)+179*a(n+1)-420*a(n), a(0) = 1, a(1) = 24, a(2) = 397},$  ogf]  
A020343 11.8128  $-2*(11-157*x+540*x^2)/(9*x-1)/(-1+8*x)/(5*x-1)$  lgdogf  
A020343 13.2131  $[-1/(9*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A020343 4.62459  $[{a(n+3)-22*a(n+2)+157*a(n+1)-360*a(n), a(0) = 1, a(1) = 22, a(2) = 327},$  ogf]  
A020346 11.8128  $-(23-340*x+1200*x^2)/(-1+8*x)/(5*x-1)/(10*x-1)$  lgdogf  
A020346 13.2131  $[-1/(8*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A020346 4.62459  $[{a(n+3)-23*a(n+2)+170*a(n+1)-400*a(n), a(0) = 1, a(1) = 23, a(2) = 359},$  ogf]  
A020447 11.5904  $-6*(4-61*x+220*x^2)/(5*x-1)/(11*x-1)/(8*x-1)$  lgdogf  
A020447 12.4122  $[-1/(5*x-1)/(11*x-1)/(8*x-1)$  ogf]  
A020447 4.34426  $[{a(n+3)-24*a(n+2)+183*a(n+1)-440*a(n), a(0) = 1, a(1) = 24, a(2) = 393},$  ogf]  
A020448 11.3958  $-(25-392*x+1440*x^2)/(12*x-1)/(8*x-1)/(5*x-1)$  lgdogf  
A020448 12.4796  $[-1/(12*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A020448 4.36787  $[{a(n+3)-25*a(n+2)+196*a(n+1)-480*a(n), a(0) = 1, a(1) = 25, a(2) = 429},$  ogf]  
A020494 11.0249  $-2*(12-185*x+675*x^2)/(9*x-1)/(5*x-1)/(10*x-1)$  lgdogf  
A020494 12.3447  $[-1/(9*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A020494 4.32064  $[{a(n+3)-24*a(n+2)+185*a(n+1)-450*a(n), a(0) = 1, a(1) = 24, a(2) = 391},$  ogf]  
A020499 11.3958  $-(25-398*x+1485*x^2)/(9*x-1)/(5*x-1)/(11*x-1)$  lgdogf  
A020499 12.4796  $[-1/(9*x-1)/(5*x-1)/(11*x-1)$  ogf]  
A020499 4.36787  $[{a(n+3)-25*a(n+2)+199*a(n+1)-495*a(n), a(0) = 1, a(1) = 25, a(2) = 426},$  ogf]  
A020514 6.11931  $[-(1984*x^4-2480*x^3+930*x^2-124*x+5)/(x-1)/(4*x-1)/(2*x-1)/(8*x-1)/(16*x-1)$  ogf]  
A020515 4.32642  $[{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 1, a(1) = 3, a(2) = 13},$  ogf]  
A020515 7.17961  $-(3-16*x+48*x^4-64*x^3+38*x^2)/(-1+x)/(2*x-1)/(4*x-1)/(6*x^2-4*x+1)$  lgdogf  
A020515 7.95503  $[-(6*x^2-4*x+1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A020517 5.61393  $[{-a(n+3)+73*a(n+2)-584*a(n+1)+512*a(n), a(0) = 3, a(1) = 73, a(2) = 4161},$  ogf]  
A020517 9.70407  $[-(584*x^2-146*x+3)/(x-1)/(8*x-1)/(64*x-1)$  ogf]  
A020518 6.28322  $[-(704*x^4-544*x^3+174*x^2-20*x+1)/(x-1)/(4*x-1)/(2*x-1)/(8*x-1)/(16*x-1)$  ogf]  
A020520 10.8265  $[-(52*x^2-8*x+1)/(x-1)/(4*x-1)/(16*x-1)$  ogf]  
A020520 5.96374  $[{a(n+3)-21*a(n+2)+84*a(n+1)-64*a(n), a(0) = 1, a(1) = 13, a(2) = 241},$  ogf]  
A020520 6.24757  $-(13-64*x+3328*x^4-1024*x^3-228*x^2)/(x-1)/(4*x-1)/(-1+16*x)/(52*x^2-8*x+1)$  lgdogf  
A020522 19.2263  $[2*x/(4*x-1)/(2*x-1)$  ogf]  
A020522 21.2641  $-1/8*(-1-3*x+(1+6*x+x^2)^{(1/2)})/x$  revogf  
A020522 24.1971  $-2*(-3+8*x)/(-1+4*x)/(-1+2*x)$  lgdogf  
A020522 8.78237  $[{a(n+2)-6*a(n+1)+8*a(n), a(0) = 0, a(1) = 2},$  ogf]  
A020523 11.3522  $[-(22*x-1)/(x-1)/(8*x-1)/(4*x-1)$  ogf]  
A020523 5.53058  $[{a(n+3)-13*a(n+2)+44*a(n+1)-32*a(n), a(0) = -1, a(1) = 9, a(2) = 161},$  ogf]  
A020523 9.52036  $-(9+88*x-1064*x^2+1408*x^3)/(x-1)/(-1+8*x)/(22*x-1)/(-1+4*x)$  lgdogf  
A020524 11.0300  $[-2*x*(40*x+1)/(16*x-1)/(8*x-1)/(2*x-1)$  ogf]  
A020524 5.88888  $[{a(n+3)-26*a(n+2)+176*a(n+1)-256*a(n), a(0) = 0, a(1) = 2, a(2) = 132},$  ogf]  
A020524 7.01549  $-2*(33-176*x+10240*x^3-3136*x^2)/(40*x+1)/(2*x-1)/(8*x-1)/$

(16\*x-1) lgdogf  
 A020525 7.06672 [ (1444\*x^2-50\*x+1)/(x-1)/(4\*x-1)/(16\*x-1)/(32\*x-1) ogf]  
 A020526 7.21470 [ 2\*x\*(15616\*x^2+560\*x+1)/(64\*x-1)/(2\*x-1)/(8\*x-1)/(32\*x-1) ogf]  
 A020527 4.68591 [ {a(n+3)-7\*a(n+2)+14\*a(n+1)-8\*a(n), a(0) = 1, a(1) = 13, a(2) = 73}, ogf]  
 A020527 7.74562 -(-13+36\*x+32\*x^4-96\*x^3+32\*x^2)/(x-1)/(2\*x-1)/(4\*x-1)/(4\*x^2-6\*x-1) lgdogf  
 A020527 8.69161 [ (4\*x^2-6\*x-1)/(2\*x-1)/(4\*x-1)/(x-1) ogf]  
 A020528 10.7357 [ -18\*x/(8\*x-1)/(2\*x-1)/(4\*x-1) ogf]  
 A020528 12.3185 -2\*(7-56\*x+96\*x^2)/(8\*x-1)/(2\*x-1)/(4\*x-1) lgdogf  
 A020528 4.49613 [ {a(n+3)-14\*a(n+2)+56\*a(n+1)-64\*a(n), a(0) = 0, a(1) = 18, a(2) = 252}, ogf]  
 A020529 7.64342 [ -(448\*x^3-616\*x^2-148\*x+1)/(x-1)/(4\*x-1)/(8\*x-1)/(16\*x-1) ogf]  
 A020530 11.4710 [ -3\*(6\*x-1)/(8\*x-1)/(2\*x-1) ogf]  
 A020530 12.2462 -1/4\*(-3-10\*x+(9-12\*x+36\*x^2)^(1/2))/(9+8\*x) revogf  
 A020530 13.1423 -4\*(1-8\*x+24\*x^2)/(6\*x-1)/(8\*x-1)/(2\*x-1) lgdogf  
 A020530 6.47776 [ {a(n+2)-10\*a(n+1)+16\*a(n), a(0) = 3, a(1) = 12}, ogf]  
 A020531 10.5033 [ -(116\*x^2-76\*x+5)/(x-1)/(4\*x-1)/(16\*x-1) ogf]  
 A020531 5.93124 -(29-608\*x+7424\*x^4-9728\*x^3+4908\*x^2)/(x-1)/(4\*x-1)/(-1+16\*x)/(116\*x^2-76\*x+5) lgdogf  
 A020531 5.96374 [ {-a(n+3)+21\*a(n+2)-84\*a(n+1)+64\*a(n), a(0) = 5, a(1) = 29, a(2) = 305}, ogf]  
 A020532 5.54935 [ {-a(n+3)+42\*a(n+2)-336\*a(n+1)+512\*a(n), a(0) = 8, a(1) = 70, a(2) = 1292}, ogf]  
 A020532 5.69624 -(35-1648\*x-136192\*x^3+266240\*x^4+28992\*x^2)/(2\*x-1)/(8\*x-1)/(32\*x-1)/(520\*x^2-133\*x+4) lgdogf  
 A020532 9.45734 [ -2\*(520\*x^2-133\*x+4)/(2\*x-1)/(8\*x-1)/(32\*x-1) ogf]  
 A020533 7.06010 [ -(11584\*x^3-9672\*x^2+936\*x-13)/(x-1)/(4\*x-1)/(64\*x-1)/(16\*x-1) ogf]  
 A020534 5.58558 [ -3\*(75264\*x^3-24592\*x^2+1054\*x-7)/(2\*x-1)/(8\*x-1)/(128\*x-1)/(32\*x-1) ogf]  
 A020535 4.68529 [ -(4771840\*x^4-4589056\*x^3+550716\*x^2-10609\*x+34)/(x-1)/(4\*x-1)/(256\*x-1)/(64\*x-1)/(16\*x-1) ogf]  
 A020536 4.17468 [ -(191954944\*x^4-74711552\*x^3+3895584\*x^2-35132\*x+55)/(512\*x-1)/(2\*x-1)/(8\*x-1)/(128\*x-1)/(32\*x-1) ogf]  
 A020537 11.9004 -2\*(-13+16\*x+128\*x^2)/(-1+8\*x)/(-1+2\*x)/(1+16\*x) lgdogf  
 A020537 13.2842 -1/32\*(-1-10\*x+(1+84\*x+36\*x^2)^(1/2))/(x-1) revogf  
 A020537 15.0323 [ (16\*x+1)/(8\*x-1)/(2\*x-1) ogf]  
 A020537 8.48884 [ {-a(n+2)+10\*a(n+1)-16\*a(n), a(0) = 1, a(1) = 26}, ogf]  
 A020538 10.0287 [ (32\*x^2-76\*x-1)/(x-1)/(4\*x-1)/(16\*x-1) ogf]  
 A020538 5.56214 [ {a(n+3)-21\*a(n+2)+84\*a(n+1)-64\*a(n), a(0) = 1, a(1) = 97, a(2) = 1921}, ogf]  
 A020538 6.31729 -(-97+232\*x-9728\*x^3+2048\*x^4+5520\*x^2)/(x-1)/(-1+4\*x)/(16\*x-1)/(32\*x^2-76\*x-1) lgdogf  
 A020539 5.09435 [ {a(n+3)-42\*a(n+2)+336\*a(n+1)-512\*a(n), a(0) = 1, a(1) = 362, a(2) = 15124}, ogf]  
 A020539 6.13202 -2\*(181-80\*x+65536\*x^4+163840\*x^3-58368\*x^2)/(32\*x-1)/(2\*x-1)/(8\*x-1)/(256\*x^2+320\*x+1) lgdogf  
 A020539 8.95150 [ -(256\*x^2+320\*x+1)/(2\*x-1)/(8\*x-1)/(32\*x-1) ogf]  
 A020540 12.4525 [ 4\*(4\*x+1)/(8\*x-1)/(2\*x-1) ogf]  
 A020540 13.6266 -2\*(-7+16\*x+32\*x^2)/(4\*x+1)/(8\*x-1)/(2\*x-1) lgdogf  
 A020540 14.2913 -1/16\*(-2-5\*x+(4+36\*x+9\*x^2)^(1/2))/(x-1) revogf  
 A020540 7.03201 [ {-a(n+2)+10\*a(n+1)-16\*a(n), a(0) = 4, a(1) = 56}, ogf]  
 A020541 10.1810 [ (64\*x^2-104\*x-5)/(x-1)/(4\*x-1)/(16\*x-1) ogf]  
 A020541 5.68439 [ {a(n+3)-21\*a(n+2)+84\*a(n+1)-64\*a(n), a(0) = 5, a(1) = 209, a(2) = 3905}, ogf]  
 A020541 5.99382 -(32\*x^2-88\*x+11)\*(128\*x^2-64\*x-19)/(x-1)/(4\*x-1)/(16\*x-1)/(64\*x^2-104\*x-5) lgdogf  
 A020542 10.7669 [ -6\*(88\*x+1)/(2\*x-1)/(8\*x-1)/(32\*x-1) ogf]  
 A020542 5.25214 [ {a(n+3)-42\*a(n+2)+336\*a(n+1)-512\*a(n), a(0) = 6, a(1) = 780, a(2) = 30744}, ogf]

A020542 8.08433  $-2*(65-336*x-14016*x^2+45056*x^3)/(32*x-1)/(2*x-1)/(88*x+1)/(-1+8*x)$  lgdogf  
A020543 3.61307 [  $\{(n^2+4*n+4)*a(n+1)+(-n^2-5*n-5)*a(n+2)+(n+1)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A020547 3.06809 [  $\{(-n^4-9*n^3-30*n^2-44*n-24)*a(n+1)+(n^3+8*n^2+20*n+15)*a(n+2)+(-1-n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A020566 14.4662  $-2*(135*x-13)*(6*x-1)/(12*x-1)/(9*x-1)/(5*x-1)$  lgdogf  
A020566 16.1243 [  $-1/(12*x-1)/(9*x-1)/(5*x-1)$  ogf]  
A020566 5.64351 [  $\{a(n+3)-26*a(n+2)+213*a(n+1)-540*a(n), a(0) = 1, a(1) = 26, a(2) = 463\}$ , ogf]  
A020567 10.6836  $-2*(13-215*x+825*x^2)/(5*x-1)/(-1+10*x)/(11*x-1)$  lgdogf  
A020567 12.4796 [  $-1/(5*x-1)/(10*x-1)/(11*x-1)$  ogf]  
A020567 4.36787 [  $\{a(n+3)-26*a(n+2)+215*a(n+1)-550*a(n), a(0) = 1, a(1) = 26, a(2) = 461\}$ , ogf]  
A020568 10.0054  $-(27-460*x+1800*x^2)/(12*x-1)/(5*x-1)/(10*x-1)$  lgdogf  
A020568 11.2224 [  $-1/(12*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A020568 3.92783 [  $\{a(n+3)-27*a(n+2)+230*a(n+1)-600*a(n), a(0) = 1, a(1) = 27, a(2) = 499\}$ , ogf]  
A020569 11.2884 [  $-1/(5*x-1)/(12*x-1)/(11*x-1)$  ogf]  
A020569 3.95094 [  $\{a(n+3)-28*a(n+2)+247*a(n+1)-660*a(n), a(0) = 1, a(1) = 28, a(2) = 537\}$ , ogf]  
A020569 9.85154  $-2*(14-247*x+990*x^2)/(5*x-1)/(12*x-1)/(11*x-1)$  lgdogf  
A020570 18.0496 [  $-1/(6*x-1)/(8*x-1)/(7*x-1)$  ogf]  
A020570 6.31738 [  $\{a(n+3)-21*a(n+2)+146*a(n+1)-336*a(n), a(0) = 1, a(1) = 21, a(2) = 295\}$ , ogf]  
A020571 12.0753  $-2*(11-159*x+567*x^2)/(6*x-1)/(7*x-1)/(9*x-1)$  lgdogf  
A020571 13.2131 [  $-1/(6*x-1)/(7*x-1)/(9*x-1)$  ogf]  
A020571 4.62459 [  $\{a(n+3)-22*a(n+2)+159*a(n+1)-378*a(n), a(0) = 1, a(1) = 22, a(2) = 325\}$ , ogf]  
A020572 12.0753  $-(23-344*x+1260*x^2)/(6*x-1)/(7*x-1)/(10*x-1)$  lgdogf  
A020572 13.2131 [  $-1/(6*x-1)/(7*x-1)/(10*x-1)$  ogf]  
A020572 4.62459 [  $\{a(n+3)-23*a(n+2)+172*a(n+1)-420*a(n), a(0) = 1, a(1) = 23, a(2) = 357\}$ , ogf]  
A020573 11.0249  $-2*(9*x-1)*(77*x-12)/(-1+6*x)/(7*x-1)/(11*x-1)$  lgdogf  
A020573 12.3447 [  $-1/(6*x-1)/(7*x-1)/(11*x-1)$  ogf]  
A020573 4.32064 [  $\{a(n+3)-24*a(n+2)+185*a(n+1)-462*a(n), a(0) = 1, a(1) = 24, a(2) = 391\}$ , ogf]  
A020577 11.3958  $-(25-396*x+1512*x^2)/(12*x-1)/(6*x-1)/(7*x-1)$  lgdogf  
A020577 12.4796 [  $-1/(12*x-1)/(6*x-1)/(7*x-1)$  ogf]  
A020577 4.36787 [  $\{a(n+3)-25*a(n+2)+198*a(n+1)-504*a(n), a(0) = 1, a(1) = 25, a(2) = 427\}$ , ogf]  
A020579 12.0753  $-(23-348*x+1296*x^2)/(6*x-1)/(-1+8*x)/(9*x-1)$  lgdogf  
A020579 13.2131 [  $-1/(6*x-1)/(8*x-1)/(9*x-1)$  ogf]  
A020579 4.62459 [  $\{a(n+3)-23*a(n+2)+174*a(n+1)-432*a(n), a(0) = 1, a(1) = 23, a(2) = 355\}$ , ogf]  
A020584 12.2098 [  $-1/(6*x-1)/(8*x-1)/(10*x-1)$  ogf]  
A020584 4.27342 [  $\{a(n+3)-24*a(n+2)+188*a(n+1)-480*a(n), a(0) = 1, a(1) = 24, a(2) = 388\}$ , ogf]  
A020593 14.4605  $-(25-404*x+1584*x^2)/(6*x-1)/(11*x-1)/(8*x-1)$  lgdogf  
A020593 15.7738 [  $-1/(6*x-1)/(11*x-1)/(8*x-1)$  ogf]  
A020593 5.52082 [  $\{a(n+3)-25*a(n+2)+202*a(n+1)-528*a(n), a(0) = 1, a(1) = 25, a(2) = 423\}$ , ogf]  
A020594 11.2097  $-2*(13-216*x+864*x^2)/(6*x-1)/(8*x-1)/(12*x-1)$  lgdogf  
A020594 12.5471 [  $-1/(6*x-1)/(8*x-1)/(12*x-1)$  ogf]  
A020594 4.39148 [  $\{a(n+3)-26*a(n+2)+216*a(n+1)-576*a(n), a(0) = 1, a(1) = 26, a(2) = 460\}$ , ogf]  
A020595 11.0865  $-(25-408*x+1620*x^2)/(6*x-1)/(9*x-1)/(-1+10*x)$  lgdogf  
A020595 12.4122 [  $-1/(6*x-1)/(9*x-1)/(10*x-1)$  ogf]  
A020595 4.34426 [  $\{a(n+3)-25*a(n+2)+204*a(n+1)-540*a(n), a(0) = 1, a(1) = 25, a(2) = 421\}$ , ogf]  
A020606 11.1481  $-2*(13-219*x+891*x^2)/(9*x-1)/(6*x-1)/(11*x-1)$  lgdogf

A020606 12.4796 [  $-1/(9*x-1)/(6*x-1)/(11*x-1)$  ogf]  
A020606 4.36787 [  $\{a(n+3)-26*a(n+2)+219*a(n+1)-594*a(n), a(0) = 1, a(1) = 26, a(2) = 457\}$ , ogf]  
A020695 10.1418 [  $\{-a(n+2)+a(n+1)+a(n), a(0) = 2, a(1) = 3\}$ , ogf]  
A020695 18.4806 [  $-(x+2)/(x^2+x-1)$  ogf]  
A020695 22.6937  $1/2/(x+1)*(-x-2+(5*x^2+8*x+4)^{(1/2)})$  revogf  
A020695 29.1776  $-(x+3)*(x+1)/(x+2)/(x^2+x-1)$  lgdogf  
A020698 16.0315 [  $-(x-2)/(2*x^2-5*x+1)$  ogf]  
A020698 16.4815  $-1/2*(-2-5*x+(4+16*x+17*x^2)^{(1/2)})/(2*x+1)$  revogf  
A020698 20.8443  $-(9-8*x+2*x^2)/(x-2)/(2*x^2-5*x+1)$  lgdogf  
A020698 8.79777 [  $\{a(n+2)-5*a(n+1)+2*a(n), a(0) = 2, a(1) = 9\}$ , ogf]  
A020699 17.4571 [  $(3*x-1)/(5*x-1)$  ogf]  
A020699 18.6285  $1/6+5/6*x-1/6*(1-2*x+25*x^2)^{(1/2)}$  revogf  
A020699 37.2570  $2/(5*x-1)/(3*x-1)$  lgdogf  
A020699 8.97099 [  $\{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 2\}$ , ogf]  
A020701 18.1880 [  $-(2*x+3)/(x^2+x-1)$  ogf]  
A020701 21.1555  $1/2/(x+2)*(-3-x+((5*x+9)*(x+1))^{(1/2)})$  revogf  
A020701 25.1221  $-(5+6*x+2*x^2)/(2*x+3)/(x^2+x-1)$  lgdogf  
A020701 9.98120 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 3, a(1) = 5\}$ , ogf]  
A020702 15.5679 [  $-x^{19}+x^9+x^4+x^2+x+1$  ogf\_with\_Euler\_transform]  
A020702 8.50160 [  $(x^2+1)*(x^8-x^6+x^4-x^2+1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A020704 16.2181 [  $-(x+3)/(x^2+3*x-1)$  ogf]  
A020704 17.4825  $1/2/(x+1)*(-3-3*x+((x+1)*(13*x+9))^{(1/2)})$  revogf  
A020704 23.1220  $-(10+6*x+x^2)/(x+3)/(x^2+3*x-1)$  lgdogf  
A020704 8.79294 [  $\{a(n+2)-3*a(n+1)-a(n), a(0) = 3, a(1) = 10\}$ , ogf]  
A020705 11.6888 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 4, a(1) = 5\}$ , ogf]  
A020705 21.2996 [  $-(3*x-4)/(x-1)^2$  ogf]  
A020705 37.6485  $-(-2-x+(4+x)^{(1/2)})/(3+x)$  revogf  
A020705 40.9223  $-(-5+3*x)/(x-1)/(3*x-4)$  lgdogf  
A020706 14.3555  $-(6-6*x+3*x^4+4*x^3-6*x^2)/(x-1)/(3*x^2+2*x-4)/(x^2+x-1)$  lgdogf  
A020706 15.4426 [  $-(3*x^2+2*x-4)/(x-1)/(x^2+x-1)$  ogf]  
A020706 8.70700 [  $\{-a(n+3)+2*a(n+2)-a(n), a(0) = 4, a(1) = 6, a(2) = 9\}$ , ogf]  
A020707 14.6628 [  $\{a(n+1)-2*a(n), a(0) = 4\}$ , ogf]  
A020707 30.4985 [  $-4/(2*x-1)$  ogf]  
A020707 34.0273  $-1/2*\ln(2)+1/2*\ln(x+2)$  revegef  
A020707 74.8600  $-2/(2*x-1)$  lgdogf  
A020708 14.7726 [  $-(2*x^2+x+4)/(x^3+2*x-1)$  ogf]  
A020708 15.3843  $-(9+4*x+2*x^4+2*x^3+8*x^2)/(2*x^2+x+4)/(x^3+2*x-1)$  lgdogf  
A020708 8.24158 [  $\{-a(n+3)+2*a(n+2)+a(n), a(0) = 4, a(1) = 9, a(2) = 20\}$ , ogf]  
A020709 12.0261  $-(10-10*x+6*x^4-8*x^3+19*x^2)/(3*x^2-2*x+4)/(2*x^3-2*x^2+3*x-1)$  lgdogf  
A020709 12.6412 [  $-(3*x^2-2*x+4)/(2*x^3-2*x^2+3*x-1)$  ogf]  
A020709 6.76414 [  $\{a(n+3)-3*a(n+2)+2*a(n+1)-2*a(n), a(0) = 4, a(1) = 10, a(2) = 25\}$ , ogf]  
A020710 11.5475 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 5, a(1) = 6\}$ , ogf]  
A020710 21.0421 [  $-(4*x-5)/(x-1)^2$  ogf]  
A020710 27.3435  $-1/2*(-5-2*x+(25+4*x)^{(1/2)})/(4+x)$  revogf  
A020710 35.7569  $-2*(-3+2*x)/(x-1)/(-5+4*x)$  lgdogf  
A020711 10.8996 [  $-(4*x^3-x^2+3*x-5)/(x-1)/(x^3+x-1)$  ogf]  
A020711 11.2933  $-(7-8*x+4*x^6-2*x^5+6*x^4-10*x^3+4*x^2)/(x-1)/(4*x^3-x^2+3*x-5)/(x^3+x-1)$  lgdogf  
A020712 17.8941 [  $-(3*x+5)/(x^2+x-1)$  ogf]  
A020712 20.8103  $1/2/(3+x)*(-5-x+(25+22*x+5*x^2)^{(1/2)})$  revogf  
A020712 24.7122  $-(x+2)*(3*x+4)/(3*x+5)/(x^2+x-1)$  lgdogf  
A020712 9.81994 [  $\{-a(n+2)+a(n+1)+a(n), a(0) = 5, a(1) = 8\}$ , ogf]  
A020713 13.1723 [  $-(3*x^2-x+5)/(x^3-x^2+2*x-1)$  ogf]  
A020713 14.3507  $-(9-4*x+3*x^4-2*x^3+10*x^2)/(3*x^2-x+5)/(x^3-x^2+2*x-1)$  lgdogf  
A020713 7.11070 [  $\{a(n+3)-2*a(n+2)+a(n+1)-a(n), a(0) = 5, a(1) = 9, a(2) = 16\}$ , ogf]  
A020714 14.9293 [  $\{a(n+1)-2*a(n), a(0) = 5\}$ , ogf]

A020714 31.0530 [  $-5/(2*x-1)$  ogf]  
A020714 31.7693  $-1/2*\ln(5)+1/2*\ln(5+2*x)$  revogf  
A020714 76.2463  $-2/(2*x-1)$  lgdogf  
A020715 11.6000 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 6, a(1) = 7\}$ , ogf]  
A020715 21.1378 [  $-(5*x-6)/(x-1)^2$  ogf]  
A020715 37.3593  $-(-3-x+(9+x)^{(1/2)})/(5+x)$  revogf  
A020715 40.6080  $-(-7+5*x)/(x-1)/(5*x-6)$  lgdogf  
A020716 10.6645  $-(8+6*x+4*x^6+6*x^5-2*x^4-16*x^3-7*x^2)/(x-1)/(4*x^3+3*x^2-2*x-6)/(x^3+x^2-1)$  lgdogf  
A020716 12.1204 [  $-(4*x^3+3*x^2-2*x-6)/(x-1)/(x^3+x^2-1)$  ogf]  
A020717 13.8735  $-(9-8*x+4*x^4+6*x^3-10*x^2)/(x-1)/(4*x^2+3*x-6)/(x^2+x-1)$  lgdogf  
A020717 15.1931 [  $-(4*x^2+3*x-6)/(x-1)/(x^2+x-1)$  ogf]  
A020717 8.47616 [  $\{a(n+3)-2*a(n+2)+a(n), a(0) = 6, a(1) = 9, a(2) = 14\}$ , ogf]  
A020718 6.82753 -  $(10-6*x-2*x^8+2*x^6-12*x^5+7*x^4+4*x^3+6*x^7-9*x^2-2*x^9+4*x^{10})/(x-1)/(4*x^5-x^4-x^3+3*x^2+2*x-6)/(x^5+x^2+x-1)$  lgdogf  
A020718 8.44873 [  $-(4*x^5-x^4-x^3+3*x^2+2*x-6)/(x-1)/(x^5+x^2+x-1)$  ogf]  
A020719 11.6525 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 7, a(1) = 8\}$ , ogf]  
A020719 21.2334 [  $-(6*x-7)/(x-1)^2$  ogf]  
A020719 27.5967  $-1/2*(-7-2*x+(49+4*x)^{(1/2)})/(6+x)$  revogf  
A020719 39.0953  $-2*(3*x-4)/(x-1)/(6*x-7)$  lgdogf  
A020720 14.6720 [  $-(5*x^2+9*x+7)/(x^3+x^2-1)$  ogf]  
A020720 14.9303  $-(9+24*x+5*x^4+18*x^3+30*x^2)/(x^3+x^2-1)/(5*x^2+9*x+7)$  lgdogf  
A020720 8.80322 [  $\{a(n+3)-a(n+1)-a(n), a(0) = 7, a(1) = 9, a(2) = 12\}$ , ogf]  
A020721 10.7313 [  $-(5*x^3-x^2+4*x-7)/(x-1)/(x^3+x-1)$  ogf]  
A020721 10.8207  $-(10-12*x+5*x^6-2*x^5+8*x^4-16*x^3+8*x^2)/(x-1)/(x^3+x-1)/(5*x^3-x^2+4*x-7)$  lgdogf  
A020722 11.5110 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 8, a(1) = 9\}$ , ogf]  
A020722 20.9756 [  $-(7*x-8)/(x-1)^2$  ogf]  
A020722 35.6438  $-(-4-x+(16+x)^{(1/2)})/(7+x)$  revogf  
A020722 40.2930  $-(-9+7*x)/(x-1)/(7*x-8)$  lgdogf  
A020723 11.4240 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 9, a(1) = 10\}$ , ogf]  
A020723 21.0709 [  $-(8*x-9)/(x-1)^2$  ogf]  
A020723 27.3832  $-1/2*(-9-2*x+(81+4*x)^{(1/2)})/(8+x)$  revogf  
A020723 37.2412  $-2*(-5+4*x)/(x-1)/(8*x-9)$  lgdogf  
A020724 12.7495 [  $-1/(6*x-1)/(12*x-1)/(9*x-1)$  ogf]  
A020724 4.46231 [  $\{a(n+3)-27*a(n+2)+234*a(n+1)-648*a(n), a(0) = 1, a(1) = 27, a(2) = 495\}$ , ogf]  
A020725 11.3900 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 2, a(1) = 3\}$ , ogf]  
A020725 20.7552 [  $-(x-2)/(x-1)^2$  ogf]  
A020725 31.6127  $x/(x+1)^{(1/2)}/(1+(x+1)^{(1/2)})$  revogf  
A020725 50.9315  $-(x-3)/(x-1)/(x-2)$  lgdogf  
A020726 10.9712  $-(27-472*x+1980*x^2)/(6*x-1)/(-1+10*x)/(11*x-1)$  lgdogf  
A020726 12.5471 [  $-1/(6*x-1)/(10*x-1)/(11*x-1)$  ogf]  
A020726 4.39148 [  $\{a(n+3)-27*a(n+2)+236*a(n+1)-660*a(n), a(0) = 1, a(1) = 27, a(2) = 493\}$ , ogf]  
A020727 16.1457 [  $-(x-2)/(2*x^2-4*x+1)$  ogf]  
A020727 18.2955  $-(-1-2*x+((x+1)*(2*x+1))^{(1/2)})/(2*x+1)$  revogf  
A020727 20.9860  $-(7-8*x+2*x^2)/(x-2)/(2*x^2-4*x+1)$  lgdogf  
A020727 8.86044 [  $\{-a(n+2)+4*a(n+1)-2*a(n), a(0) = 2, a(1) = 7\}$ , ogf]  
A020729 14.6068 [  $\{a(n+1)-5*a(n), a(0) = 2\}$ , ogf]  
A020729 30.3822 [  $-2/(5*x-1)$  ogf]  
A020729 31.1184  $-1/5*\ln(2)+1/5*\ln(2+5*x)$  revogf  
A020729 67.8947  $-5/(-1+5*x)$  lgdogf  
A020732 14.6443  $-(7-4*x+2*x^4+2*x^3-8*x^2)/(x-1)/(2*x^2+x-4)/(x^2+x-1)$  lgdogf  
A020732 15.1931 [  $-(2*x^2+x-4)/(x-1)/(x^2+x-1)$  ogf]  
A020732 8.47616 [  $\{-a(n+3)+2*a(n+2)-a(n), a(0) = 4, a(1) = 7, a(2) = 12\}$ , ogf]  
A020735 10.5494 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 5, a(1) = 7\}$ , ogf]  
A020735 19.2233 [  $-(3*x-5)/(x-1)^2$  ogf]  
A020735 24.9533  $-1/2*(-5-2*x+(25+8*x)^{(1/2)})/(3+x)$  revogf  
A020735 36.8875  $-(-7+3*x)/(x-1)/(3*x-5)$  lgdogf

A020736 10.2043 [  $-(3*x^3-4*x^2+7*x-5)/(x-1)/(x^3-x^2+2*x-1)$  ogf]  
A020736 9.18465  $-(8-22*x+3*x^6-8*x^5+20*x^4-30*x^3+30*x^2)/(x-1)/(x^3-x^2+2*x-1)/(3*x^3-4*x^2+7*x-5)$  lgdogf  
A020737 13.3679  $1/2*\ln(x+3)-\operatorname{arctanh}((8*x+25)^{(1/2)})-1/2*\ln(3)+\operatorname{arctanh}(5)$  revegf  
A020737 16.9436 [  $-(6*x-5)/(2*x-1)/(x-1)$  ogf]  
A020737 19.7000  $-(9-20*x+12*x^2)/(6*x-5)/(x-1)/(2*x-1)$  lgdogf  
A020737 9.29833 [  $\{a(n+2)-3*a(n+1)+2*a(n), a(0) = 5, a(1) = 9\}$ , ogf]  
A020739 11.3834 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 6, a(1) = 8\}$ , ogf]  
A020739 20.7431 [  $-2*(2*x-3)/(x-1)^2$  ogf]  
A020739 33.9490  $-(3-x+(9+2*x)^{(1/2)})/(4+x)$  revogf  
A020739 39.8531  $-2*(-2+x)/(x-1)/(2*x-3)$  lgdogf  
A020742 11.3834 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 7, a(1) = 9\}$ , ogf]  
A020742 20.7431 [  $-(5*x-7)/(x-1)^2$  ogf]  
A020742 26.9595  $-1/2*(-7-2*x+(49+8*x)^{(1/2)})/(5+x)$  revogf  
A020742 39.8531  $-(-9+5*x)/(x-1)/(5*x-7)$  lgdogf  
A020743 13.4644  $-(10-10*x+5*x^4+8*x^3-11*x^2)/(x-1)/(5*x^2+4*x-7)/(x^2+x-1)$  lgdogf  
A020743 15.2612 [  $-(5*x^2+4*x-7)/(x-1)/(x^2+x-1)$  ogf]  
A020743 8.42548 [  $\{a(n+3)-2*a(n+2)+a(n), a(0) = 7, a(1) = 10, a(2) = 15\}$ , ogf]  
A020744 11.1051 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 8, a(1) = 10\}$ , ogf]  
A020744 20.4827 [  $-2*(3*x-4)/(x-1)^2$  ogf]  
A020744 32.3202  $-(-4-x+(16+2*x)^{(1/2)})/(6+x)$  revogf  
A020744 39.3463  $-(-5+3*x)/(x-1)/(3*x-4)$  lgdogf  
A020745 10.8513 [  $-(2*x^3-x^2+x-3)/(x-1)/(x^3+x-1)$  ogf]  
A020745 11.7243  $-(5-4*x+2*x^6-2*x^5+2*x^4-6*x^3+2*x^2)/(x-1)/(x^3+x-1)/(2*x^3-x^2+x-3)$  lgdogf  
A020746 7.05701  $-(7-10*x+3*x^8+7*x^6-12*x^5+6*x^4-6*x^3-4*x^7+7*x^2-2*x^9+x^{10})/(x-1)/(x^5+x^3+2*x-1)/(x^5-x^4+x^3-x^2+2*x-3)$  lgdogf  
A020746 7.18303 [  $-(x^5-x^4+x^3-x^2+2*x-3)/(x-1)/(x^5+x^3+2*x-1)$  ogf]  
A020748 6.27802 -  $(10-10*x-2*x^8+7*x^6-24*x^5+9*x^4+6*x^3+6*x^7-4*x^2-8*x^9+6*x^{10})/(x-1)/(2*x^5+x^2+2*x-1)/(3*x^5-2*x^4-x^3+x^2+2*x-4)$  lgdogf  
A020748 7.46807 [  $-(3*x^5-2*x^4-x^3+x^2+2*x-4)/(x-1)/(2*x^5+x^2+2*x-1)$  ogf]  
A020749 10.6834 [  $-(3*x^3-x^2+2*x-5)/(x-1)/(x^3+x-1)$  ogf]  
A020749 11.0666  $-(8-8*x+3*x^6-2*x^5+4*x^4-12*x^3+6*x^2)/(x-1)/(3*x^3-x^2+2*x-5)/(x^3+x-1)$  lgdogf  
A020750 10.2505 [  $-(3*x^4-4*x^3-2*x^2-x+5)/(x-1)/(x^4-x^3-x^2-x+1)$  ogf]  
A020750 7.75066  $-(9-4*x+3*x^8+2*x^6+4*x^5+13*x^4-12*x^3-8*x^7-8*x^2)/(x-1)/(x^4-x^3-x^2-x+1)/(3*x^4-4*x^3-2*x^2-x+5)$  lgdogf  
A020758 10.0054  $-4*(7-126*x+540*x^2)/(12*x-1)/(6*x-1)/(10*x-1)$  lgdogf  
A020758 11.2224 [  $-1/(12*x-1)/(6*x-1)/(10*x-1)$  ogf]  
A020758 3.92783 [  $\{a(n+3)-28*a(n+2)+252*a(n+1)-720*a(n), a(0) = 1, a(1) = 28, a(2) = 532\}$ , ogf]  
A020761 11.2690 [  $\{-a(n+1), a(0) = 5\}$ , ogf]  
A020761 181.048  $1/5*x$  revogf  
A020766 10.1260  $-(29-540*x+2376*x^2)/(6*x-1)/(12*x-1)/(11*x-1)$  lgdogf  
A020766 11.3544 [  $-1/(6*x-1)/(12*x-1)/(11*x-1)$  ogf]  
A020766 3.97404 [  $\{a(n+3)-29*a(n+2)+270*a(n+1)-792*a(n), a(0) = 1, a(1) = 29, a(2) = 571\}$ , ogf]  
A020773 100.582  $5/(2+5*x)$  lgdogf  
A020773 41.1472  $2*x/(2+(4+10*x)^{(1/2)})$  revegf  
A020773 9.55784 [  $\{a(n+2), a(0) = 2, a(1) = 5\}$ , ogf]  
A020782 11.8128  $-2*(12-191*x+756*x^2)/(-1+8*x)/(7*x-1)/(9*x-1)$  lgdogf  
A020782 13.2131 [  $-1/(8*x-1)/(7*x-1)/(9*x-1)$  ogf]  
A020782 4.62459 [  $\{a(n+3)-24*a(n+2)+191*a(n+1)-504*a(n), a(0) = 1, a(1) = 24, a(2) = 385\}$ , ogf]  
A020793 12.8280 [  $\{a(n+2)-a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A020793 24.9627 [  $-(5*x+1)/(x-1)$  ogf]  
A020793 25.1455  $-1/10*x-1/10+1/10*(1+22*x+x^2)^{(1/2)}$  revogf  
A020793 56.5774  $-6/(5*x+1)/(x-1)$  lgdogf  
A020806 10.9065  $-(4-4*x-16*x^3+11*x^4-4*x^5+7*x^6+20*x^2)/(x-1)/(x+1)/(x^2-x+1)/$

$(7x^3-2x^2+3x+1)$  lgdogf  
A020806 13.3858 [  $-(7x^3-2x^2+3x+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A020821 39.3582  $2*(1+5x)/(5x^2+1+2x)$  lgdogf  
A020821 7.31042 [  $\{-a(n+3), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A020838 11.0865  $-(25-412x+1680x^2)/(8x-1)/(7x-1)/(-1+10x)$  lgdogf  
A020838 12.4122 [  $-1/(8x-1)/(7x-1)/(10x-1)$  ogf]  
A020838 4.34426 [  $\{a(n+3)-25a(n+2)+206a(n+1)-560a(n), a(0) = 1, a(1) = 25, a(2) = 419\}$ , ogf]  
A020865 6.23491 [  $2*x*(8*x^4-28*x^3+34*x^2-13*x+2)/(2*x-1)/(x-1)/(4*x^2-8*x+1)/(2*x^2-5*x+1)$  ogf]  
A020866 5.91893  $-(265+744x-68x^3+28x^6-231x^4-12x^5+606x^2)/(x+1)/(14x^3-3x^2-60x-41)/(2x^3-3x^2-6x+1)$  lgdogf  
A020866 9.05745 [  $-(14x^3-3x^2-60x-41)/(x+1)/(2x^3-3x^2-6x+1)$  ogf]  
A020868 3.70149 [ -  
 $(28x^8-220x^7+841x^6-1943x^5+2882x^4-2746x^3+1609x^2-503x+60)/(2x^3-5x^2+6x-1)^2/(x-1)^3$  ogf]  
A020869 3.99118 [  $-(3x^8-27x^7+126x^6-360x^5+663x^4-781x^3+570x^2-220x+34)/(x^3-3x^2+5x-1)^2/(x-1)^3$  ogf]  
A020870 5.83309 [  $-(28x^5-192x^4+479x^3-532x^2+251x-38)/(x-1)^2/(2x^2-5x+1)^2$  ogf]  
A020871 6.52322 [  $x*(3x^4-14x^3+26x^2-14x+3)/(x-1)^2/(x^2-4x+1)^2$  ogf]  
A020871 6.54070  $-2*(8-39x+93x^2-124x^3+72x^4-21x^5+3x^6)/(x-1)/(1-4x+x^2)/(3x^4-14x^3+26x^2-14x+3)$  lgdogf  
A020873 10.1722 [  $-(7x^3-10x^2+7x-2)/(2x-1)/(x-1)^3$  ogf]  
A020873 8.65137  $-(3-10x+14x^2-12x^3+11x^4)/(x-1)/(2x-1)/(7x^3-10x^2+7x-2)$  lgdogf  
A020874 5.13281 [  $-x*(8x^4-20x^3+27x^2-6x-3)/(2x-1)^2/(x-1)^4$  ogf]  
A020874 6.83031  $-2*(15-30x+16x^5-44x^4+82x^3-27x^2)/(x-1)/(2x-1)/(8x^4-20x^3+27x^2-6x-3)$  lgdogf  
A020875 18.4867 [  $-x^3-x^2+3x+3$  ogf\_with\_Euler\_transform]  
A020875 5.85787 [  $4*x*(x^2+1)*(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A020875 9.29861  $-(3+12x+2x^5+5x^4+14x^3+12x^2)/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)$  lgdogf  
A020876 16.2181 [  $-(5x-2)/(5x^2-5x+1)$  ogf]  
A020876 18.8627  $-5*(1-4x+5x^2)/(5x-2)/(5x^2-5x+1)$  lgdogf  
A020876 8.90017 [  $\{a(n+2)-5a(n+1)+5a(n), a(0) = 2, a(1) = 5\}$ , ogf]  
A020877 10.8756 [  $-2*(2x^3+x^2-7x-5)/(x+1)/(x^3-x^2-3x+1)$  ogf]  
A020877 7.13985  $-(17+38x+24x^2-12x^3-13x^4+2x^5+2x^6)/(x+1)/(x^3-x^2-3x+1)/(2x^3+x^2-7x-5)$  lgdogf  
A020878 10.3246 [  $-(x^3+4x^2-x-2)/(x-1)/(x+1)/(x^2+x-1)$  ogf]  
A020878 8.46326  $-(3+x^6+8x^5+3x^4-8x^3-3x^2)/(x-1)/(x+1)/(x^2+x-1)/(x^3+4x^2-x-2)$  lgdogf  
A020911 4.15128 [  $(x^{17}-x^{16}+x^{15}+x^{13}+x^{10}+x^8+x^6+x^3+1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A020913 9.01932 [  $(x^{15}-x^{14}+x^{11}-x^{10}+x^8+x^4+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A020918 30.5486  $-14+(1-4x)*f(x)$  lgdogf  
A020918 4.72222 [  $\{(-n-2)*a(n+2)+(18+4n)*a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A020920 32.3888  $-18+(1-4x)*f(x)$  lgdogf  
A020920 4.99999 [  $\{(-n-2)*a(n+2)+(22+4n)*a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A020922 34.0451  $-22+(1-4x)*f(x)$  lgdogf  
A020922 5.24999 [  $\{(-n-2)*a(n+2)+(26+4n)*a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A020923 35.0595  $-22+(-1+4x)*f(x)$  lgdogf  
A020923 5.65452 [  $\{(n+2)*a(n+2)+(18-4n)*a(n+1), a(0) = 1, a(1) = -22\}$ , ogf]  
A020924 31.4328  $-26+(1-4x)*f(x)$  lgdogf  
A020924 4.85364 [  $\{(-n-2)*a(n+2)+(30+4n)*a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A020925 37.0462  $-26+(-1+4x)*f(x)$  lgdogf  
A020925 5.31266 [  $\{(n+2)*a(n+2)+(22-4n)*a(n+1), a(0) = 1, a(1) = -26\}$ , ogf]  
A020926 32.3360  $-30+(1-4x)*f(x)$  lgdogf  
A020926 4.98998 [  $\{(-n-2)*a(n+2)+(34+4n)*a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A020927 34.1060  $-30+(-1+4x)*f(x)$  lgdogf



A020927 5.46984 [  $\{(n+2)*a(n+2)+(26-4*n)*a(n+1), a(0) = 1, a(1) = -30\}$ , ogf]  
A020928 33.4199  $-34+(1-4*x)*f(x)$  lgdogf  
A020928 5.15358 [  $\{(-n-2)*a(n+2)+(38+4*n)*a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A020929 38.0263  $-34+(-1+4*x)*f(x)$  lgdogf  
A020929 5.50127 [  $\{(n+2)*a(n+2)+(30-4*n)*a(n+1), a(0) = 1, a(1) = -34\}$ , ogf]  
A020930 34.5038  $-38+(1-4*x)*f(x)$  lgdogf  
A020930 5.31719 [  $\{(-n-2)*a(n+2)+(42+4*n)*a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A020931 34.1216  $-38+(-1+4*x)*f(x)$  lgdogf  
A020931 5.44125 [  $\{(n+2)*a(n+2)+(34-4*n)*a(n+1), a(0) = 1, a(1) = -38\}$ , ogf]  
A020932 35.4070  $-42+(1-4*x)*f(x)$  lgdogf  
A020932 5.45353 [  $\{(-n-2)*a(n+2)+(46+4*n)*a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A020933 38.3868  $-42+(-1+4*x)*f(x)$  lgdogf  
A020933 5.62780 [  $\{(n+2)*a(n+2)+(38-4*n)*a(n+1), a(0) = 1, a(1) = -42\}$ , ogf]  
A020956 10.3351  $-(-2-2*x-x^5+2*x^6-x^4+6*x^3+2*x^2)/(x-1)/(1+x)/(x^2+x-1)/(x^3-x^2+1)$  lgdogf  
A020956 11.0623 [  $-(x^3-x^2+1)/(x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A020957 5.36216  $-(-6-4*x+7*x^6-5*x^5+x^7-15*x^4+11*x^3+15*x^2)/(-1+x)/(x+1)/(x^2+x-1)/(x^5+x^4-4*x^2+3)$  lgdogf  
A020958 4.62440 [  $(x^6-3*x^4-2*x^3+7*x^2+x-5)/(x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A020962 8.01691  $-(-3-x+4*x^6+3*x^5+10*x^3+x^4+2*x^2)/(x-1)/(1+x)/(x^2+2*x-1)/(2*x^3-x^2+1)$  lgdogf  
A020962 8.30733 [  $-(2*x^3-x^2+1)/(x+1)/(x^2+2*x-1)/(x-1)^2$  ogf]  
A020963 6.66774  $-(6+4*x-3*x^6+2*x^5+x^7+4*x^4-19*x^3-11*x^2)/(x-1)/(x+1)/(x^2+2*x-1)/(x^4-2*x^3+x^2-2)$  lgdogf  
A020963 7.24022 [  $(x^4-2*x^3+x^2-2)/(x+1)/(x^2+2*x-1)/(x-1)^2$  ogf]  
A020964 6.40996  $-(-11-x+12*x^6+3*x^5+10*x^3-23*x^4+26*x^2)/(x-1)/(1+x)/(x^2+2*x-1)/(x^5+x^4+2*x^3-5*x^2-x+4)$  lgdogf  
A020964 6.48116 [  $-(x^5+x^4+2*x^3-5*x^2-x+4)/(x+1)/(x^2+2*x-1)/(x-1)^2$  ogf]  
A020968 11.1481  $-2*(13-221*x+924*x^2)/(11*x-1)/(8*x-1)/(7*x-1)$  lgdogf  
A020968 12.4796 [  $-1/(11*x-1)/(8*x-1)/(7*x-1)$  ogf]  
A020968 4.36787 [  $\{a(n+3)-26*a(n+2)+221*a(n+1)-616*a(n), a(0) = 1, a(1) = 26, a(2) = 455\}$ , ogf]  
A020969 11.3328  $-(-27-472*x+2016*x^2)/(12*x-1)/(8*x-1)/(-1+7*x)$  lgdogf  
A020969 12.6820 [  $-1/(12*x-1)/(8*x-1)/(7*x-1)$  ogf]  
A020969 4.43869 [  $\{a(n+3)-27*a(n+2)+236*a(n+1)-672*a(n), a(0) = 1, a(1) = 27, a(2) = 493\}$ , ogf]  
A020970 10.9109  $-2*(13-223*x+945*x^2)/(9*x-1)/(7*x-1)/(-1+10*x)$  lgdogf  
A020970 12.4796 [  $-1/(9*x-1)/(7*x-1)/(10*x-1)$  ogf]  
A020970 4.36787 [  $\{a(n+3)-26*a(n+2)+223*a(n+1)-630*a(n), a(0) = 1, a(1) = 26, a(2) = 453\}$ , ogf]  
A020971 11.2097  $-(-27-478*x+2079*x^2)/(11*x-1)/(-1+7*x)/(9*x-1)$  lgdogf  
A020971 12.5471 [  $-1/(11*x-1)/(7*x-1)/(9*x-1)$  ogf]  
A020971 4.39148 [  $\{a(n+3)-27*a(n+2)+239*a(n+1)-693*a(n), a(0) = 1, a(1) = 27, a(2) = 490\}$ , ogf]  
A020972 12.7495 [  $-1/(12*x-1)/(9*x-1)/(7*x-1)$  ogf]  
A020972 4.46231 [  $\{a(n+3)-28*a(n+2)+255*a(n+1)-756*a(n), a(0) = 1, a(1) = 28, a(2) = 529\}$ , ogf]  
A020973 10.8016  $-2*(21*x-2)*(55*x-7)/(-1+7*x)/(-1+10*x)/(11*x-1)$  lgdogf  
A020973 12.6145 [  $-1/(7*x-1)/(10*x-1)/(11*x-1)$  ogf]  
A020973 4.41508 [  $\{a(n+3)-28*a(n+2)+257*a(n+1)-770*a(n), a(0) = 1, a(1) = 28, a(2) = 527\}$ , ogf]  
A020974 10.0657  $-(-29-548*x+2520*x^2)/(12*x-1)/(7*x-1)/(10*x-1)$  lgdogf  
A020974 16.4047 [  $-1/(12*x-1)/(7*x-1)/(10*x-1)$  ogf]  
A020974 5.74166 [  $\{a(n+3)-29*a(n+2)+274*a(n+1)-840*a(n), a(0) = 1, a(1) = 29, a(2) = 567\}$ , ogf]  
A020975 16.5450 [  $-1/(7*x-1)/(12*x-1)/(11*x-1)$  ogf]  
A020975 5.79073 [  $\{a(n+3)-30*a(n+2)+293*a(n+1)-924*a(n), a(0) = 1, a(1) = 30, a(2) = 607\}$ , ogf]  
A020975 9.76183  $-2*(15-293*x+1386*x^2)/(7*x-1)/(12*x-1)/(11*x-1)$  lgdogf  
A020976 11.1481  $-(-27-484*x+2160*x^2)/(9*x-1)/(8*x-1)/(-1+10*x)$  lgdogf  
A020976 12.4796 [  $-1/(9*x-1)/(8*x-1)/(10*x-1)$  ogf]

A020976 4.36787 [ $\{a(n+3)-27a(n+2)+242a(n+1)-720a(n), a(0) = 1, a(1) = 27, a(2) = 487\}$ , ogf]  
A020977 14.0331  $-2*(14-259*x+1188*x^2)/(11*x-1)/(8*x-1)/(9*x-1)$  lgdogf  
A020977 15.9841 [  $-1/(11*x-1)/(8*x-1)/(9*x-1)$  ogf]  
A020977 5.59443 [ $\{a(n+3)-28a(n+2)+259a(n+1)-792a(n), a(0) = 1, a(1) = 28, a(2) = 525\}$ , ogf]  
A020978 10.2894  $-(29-552*x+2592*x^2)/(8*x-1)/(12*x-1)/(9*x-1)$  lgdogf  
A020978 11.2884 [  $-1/(8*x-1)/(12*x-1)/(9*x-1)$  ogf]  
A020978 3.95094 [ $\{a(n+3)-29a(n+2)+276a(n+1)-864a(n), a(0) = 1, a(1) = 29, a(2) = 565\}$ , ogf]  
A020979 12.7495 [  $-1/(10*x-1)/(11*x-1)/(8*x-1)$  ogf]  
A020979 4.46231 [ $\{a(n+3)-29a(n+2)+278a(n+1)-880a(n), a(0) = 1, a(1) = 29, a(2) = 563\}$ , ogf]  
A020980 11.4204 [  $-1/(12*x-1)/(8*x-1)/(10*x-1)$  ogf]  
A020980 3.99715 [ $\{a(n+3)-30a(n+2)+296a(n+1)-960a(n), a(0) = 1, a(1) = 30, a(2) = 604\}$ , ogf]  
A020980 9.76183  $-2*(15-296*x+1440*x^2)/(12*x-1)/(8*x-1)/(10*x-1)$  lgdogf  
A020981 10.2465  $-(31-632*x+3168*x^2)/(11*x-1)/(8*x-1)/(12*x-1)$  lgdogf  
A020981 11.2193 [  $-1/(11*x-1)/(8*x-1)/(12*x-1)$  ogf]  
A020981 3.98703 [ $\{a(n+3)-31a(n+2)+316a(n+1)-1056a(n), a(0) = 1, a(1) = 31, a(2) = 645\}$ , ogf]  
A020982 11.3544 [  $-1/(9*x-1)/(10*x-1)/(11*x-1)$  ogf]  
A020982 3.97404 [ $\{a(n+3)-30a(n+2)+299a(n+1)-990a(n), a(0) = 1, a(1) = 30, a(2) = 601\}$ , ogf]  
A020982 9.70406  $-2*(15-299*x+1485*x^2)/(9*x-1)/(10*x-1)/(11*x-1)$  lgdogf  
A020983 10.2465  $-(31-636*x+3240*x^2)/(12*x-1)/(9*x-1)/(10*x-1)$  lgdogf  
A020983 16.2287 [  $-1/(12*x-1)/(9*x-1)/(10*x-1)$  ogf]  
A020983 5.76721 [ $\{a(n+3)-31a(n+2)+318a(n+1)-1080a(n), a(0) = 1, a(1) = 31, a(2) = 643\}$ , ogf]  
A020984 16.2971 [  $-1/(11*x-1)/(12*x-1)/(9*x-1)$  ogf]  
A020984 5.79155 [ $\{a(n+3)-32a(n+2)+339a(n+1)-1188a(n), a(0) = 1, a(1) = 32, a(2) = 685\}$ , ogf]  
A020984 9.87735  $-2*(16-339*x+1782*x^2)/(11*x-1)/(12*x-1)/(9*x-1)$  lgdogf  
A020988 15.4252  $-1/8*(-2-5*x+(9*x+2)^{(1/2)}*(x+2)^{(1/2)})/x$  revogf  
A020988 17.3504 [  $2*x/(4*x-1)/(x-1)$  ogf]  
A020988 27.4970  $-(-5+8*x)/(4*x-1)/(x-1)$  lgdogf  
A020988 7.92551 [ $\{a(n+2)-5a(n+1)+4a(n), a(0) = 0, a(1) = 2\}$ , ogf]  
A020989 12.4328 [  $(x+1)/(4*x-1)/(x-1)$  ogf]  
A020989 13.0265  $-1/2*(-1-5*x+(1+14*x+9*x^2)^{(1/2)})/(4*x-1)$  revogf  
A020989 6.82290 [ $\{-a(n+2)+5a(n+1)-4a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A020992 14.1903 [  $x*(x-2)/(x^3+x^2+x-1)$  ogf]  
A020992 19.4637  $-(-1-4*x+2*x^3-5*x^2)/(x-2)/(x^3+x^2+x-1)$  lgdogf  
A020992 7.28690 [ $\{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 2, a(2) = 1\}$ , ogf]  
A021000 3.87593 [  $-(x-2)/(2*x^2-4*x+1)$  ogf]  
A021001 15.8902 [  $-(x+2)/(2*x^2+4*x-1)$  ogf]  
A021001 17.5587  $(-1-2*x+(2*x+1)*(1+3*x))^{(1/2)}/(2*x+1)$  revogf  
A021001 20.6573  $-(9+8*x+2*x^2)/(x+2)/(2*x^2+4*x-1)$  lgdogf  
A021001 8.72026 [ $\{a(n+2)-4a(n+1)-2a(n), a(0) = 2, a(1) = 9\}$ , ogf]  
A021003 10.5661  $-(17+127*x+2*x^4+37*x^3+177*x^2)/(x-1)/(x^4+11*x^3+36*x^2+11*x+1)$  lgdogf  
A021003 6.28018 [  $x*(x^4+11*x^3+36*x^2+11*x+1)/(x-1)^6$  ogf]  
A021004 6.79639  $-(10+10*x+4*x^8-x^6-8*x^5-7*x^4-8*x^3+6*x^2+2*x^9+2*x^{10})/(2*x^5+x^4+2*x^3-x^2-2*x-4)/(x^6+x^4-x^3-x^2-2*x+1)$  lgdogf  
A021004 7.46807 [  $-(2*x^5+x^4+2*x^3-x^2-2*x-4)/(x^6+x^4-x^3-x^2-2*x+1)$  ogf]  
A021006 13.3762 [  $-(3*x+4)/(2*x^2+2*x-1)$  ogf]  
A021006 15.5014  $-(11+16*x+6*x^2)/(3*x+4)/(2*x^2+2*x-1)$  lgdogf  
A021006 16.3626  $(-2-x+((4+3*x)*(x+1))^{(1/2)})/(3+2*x)$  revogf  
A021006 7.25218 [ $\{a(n+2)-2a(n+1)-2a(n), a(0) = 4, a(1) = 11\}$ , ogf]  
A021008 8.22231  $-(11-18*x+11*x^2+8*x^3-8*x^4+2*x^5+2*x^6)/(2*x^3+x^2-4*x+5)/(x^4-2*x^2+3*x-1)$  lgdogf

A021008 9.36880 [  $-(2*x^3+x^2-4*x+5)/(x^4-2*x^2+3*x-1)$  ogf]  
A021011 5.99724  $-(11-4*x$   
 $+16*x^5+3*x^10+4*x^9+3*x^8+10*x^7+2*x^6+8*x^4+2*x^3+14*x^2)/(x^6+x^3-x^2+2*x-1)/$   
 $(3*x^5+2*x^4+x^3+4*x^2-x+6)$  lgdogf  
A021011 7.56500 [  $-(3*x^5+2*x^4+x^3+4*x^2-x+6)/(x^6+x^3-x^2+2*x-1)$  ogf]  
A021014 7.49715  $-(11+12*x-4*x^7-x^2-8*x^3+13*x^4+10*x^5-x^6+4*x^8)/(x^5-$   
 $x^4+x^2+x-1)/(4*x^4-2*x^3-x^2+4*x+7)$  lgdogf  
A021014 8.28187 [  $-(4*x^4-2*x^3-x^2+4*x+7)/(x^5-x^4+x^2+x-1)$  ogf]  
A021015 10.2753  $-2*x/(-1+x)/(x+1)$  lgdogf  
A021015 10.7768 [[x] ogf\_with\_Euler\_transform]  
A021015 12.4771 arcsinh(1/9\*x) revegf  
A021015 4.29458 [  $-9*x/(x-1)/(x+1)$  ogf]  
A021016 11.0726 [  $\{-a(n+3)+a(n+2), a(0) = 0, a(1) = 8, a(2) = 3\}$ , ogf]  
A021016 22.4152 [  $x*(5*x-8)/(x-1)$  ogf]  
A021016 26.6247  $4/5+1/10*x-1/10*(64-4*x+x^2)^{(1/2)}$  revogf  
A021016 60.3492  $3/(x-1)/(5*x-8)$  lgdogf  
A021017 13.0077 [  $-x*(3*x^2-x+7)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021017 14.6006  $-6*(1+x+5*x^3-x^4+x^5-4*x^2)/(x-1)/(x+1)/(x^2-x+1)/(3*x^2-x+7)$   
lgdogf  
A021018 11.0395  $-(1+6*x+30*x^3+5*x^6-21*x^4+6*x^5-9*x^2)/(x-1)/(x+1)/(x^2-x+1)/$   
 $(5*x^3+3*x^2-6*x+7)$  lgdogf  
A021018 12.5894 [  $-x*(5*x^3+3*x^2-6*x+7)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021019 113.155  $-1/(x-1)$  lgdogf  
A021019 12.9440 [  $\{-a(n+2)+a(n+1), a(0) = 0, a(1) = 6\}$ , ogf]  
A021019 129.320  $x/(6+x)$  revogf  
A021019 31.6905 [  $-6*x/(x-1)$  ogf]  
A021020 39.3582  $2*(1+5*x)/(5*x^2+6+2*x)$  lgdogf  
A021020 6.60942 [  $\{a(n+4), a(0) = 0, a(1) = 6, a(2) = 2, a(3) = 5\}$ , ogf]  
A021021 10.1465  $-(33-724*x+3960*x^2)/(12*x-1)/(10*x-1)/(11*x-1)$  lgdogf  
A021021 11.3483 [  $-1/(12*x-1)/(10*x-1)/(11*x-1)$  ogf]  
A021021 4.03286 [  $\{a(n+3)-33*a(n+2)+362*a(n+1)-1320*a(n), a(0) = 1, a(1) = 33,$   
 $a(2) = 727\}$ , ogf]  
A021022 113.155  $-1/(x-1)$  lgdogf  
A021022 12.9440 [  $\{-a(n+2)+a(n+1), a(0) = 0, a(1) = 5\}$ , ogf]  
A021022 129.320  $x/(5+x)$  revogf  
A021022 31.6905 [  $-5*x/(x-1)$  ogf]  
A021023 7.86007 [  $-x*(x^8+x^7+2*x^6+4*x^5-2*x^4-3*x^3+4*x^2-3*x+5)/(x-1)/(x+1)/$   
 $(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A021024 12.4319  $-(-11+82*x+120*x^3-183*x^2)/(x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  lgdogf  
A021024 13.6068 [  $1/(x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A021025 12.2537 [  $-x*(9*x^4+x^3+6*x^2+7*x+4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$   
ogf]  
A021025 8.08249  $-(7+12*x+36*x^3+35*x^6+24*x^7+3*x^8+18*x^9+24*x^5+3*x^2)/(x-1)/$   
 $(x+1)/(x^2+x+1)/(x^2-x+1)/(9*x^4+x^3+6*x^2+7*x+4)$  lgdogf  
A021026 11.0726 [  $\{a(n+3)-a(n+1), a(0) = 0, a(1) = 4, a(2) = 5\}$ , ogf]  
A021026 20.4228 [  $-x*(5*x+4)/(x-1)/(x+1)$  ogf]  
A021026 26.6247  $-(5+8*x+5*x^2)/(x-1)/(5*x+4)/(x+1)$  lgdogf  
A021026 30.1746  $(-2+((4+x)*(x+1))^{(1/2)})/(5+x)$  revogf  
A021027 6.59901 [  $-x*(3*x^10-2*x^9+8*x^8-6*x^7+4*x^6-6*x^5+x^4+3*x^3+x^2-x+4)/$   
 $(x-1)/(x+1)/(x^10-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A021028 18.7556 [  $-x*(5*x^2-3*x+4)/(x-1)$  ogf]  
A021028 25.8640  $(-1-10*x+5*x^2)/(x-1)/(5*x^2-3*x+4)$  lgdogf  
A021028 9.67394 [  $\{-a(n+4)+a(n+3), a(0) = 0, a(1) = 4, a(2) = 1, a(3) = 6\}$ , ogf]  
A021029 8.78166  $-2*(-6+47*x+72*x^3-108*x^2)/(x-1)/(6*x-1)/(3*x-1)/(2*x-1)$  lgdogf  
A021029 9.66666 [  $1/(x-1)/(6*x-1)/(3*x-1)/(2*x-1)$  ogf]  
A021030 11.0395  $-(8-8*x-8*x^3+5*x^6+19*x^4-8*x^5+10*x^2)/(x-1)/(x+1)/(x^2-x+1)/$   
 $(5*x^3-4*x^2+5*x+3)$  lgdogf  
A021030 12.5894 [  $-x*(5*x^3-4*x^2+5*x+3)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021031 10.2931 [  $\{-a(n+3)+a(n), a(0) = 0, a(1) = 3, a(2) = 7\}$ , ogf]  
A021031 17.1551 [  $-x*(7*x+3)/(x-1)/(x^2+x+1)$  ogf]  
A021031 22.0790  $-(7+14*x^3+9*x^2)/(x-1)/(7*x+3)/(x^2+x+1)$  lgdogf

A021032 10.1712  $-(5+4*x+34*x^3+2*x^6-11*x^4+4*x^5-20*x^2)/(x-1)/(x+1)/(x^2-x+1)/(5*x^4-3*x^3+2*x^2+2*x+3)$  lgdogf  
A021032 11.3460  $[-x*(5*x^4-3*x^3+2*x^2+2*x+3)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021033 5.83459  $[-x*(x^13+2*x^12+6*x^11-2*x^10-4*x^9-2*x^8+3*x^7-2*x^6+5*x^5-6*x^4+4*x^3+x+3)/(x-1)/(x^2+1)/(x^12-x^10+x^8-x^6+x^4-x^2+1)$  ogf]  
A021034 10.2222  $[1/(x-1)/(3*x-1)/(2*x-1)/(7*x-1)$  ogf]  
A021034 9.13792  $-(-13+106*x+168*x^3-249*x^2)/(x-1)/(3*x-1)/(2*x-1)/(7*x-1)$  lgdogf  
A021035 6.18192  $[-x*(9*x^13+2*x^12+x^11+6*x^10+x^9+5*x^8+4*x^7+6*x^6+8*x^4+5*x^3+2*x^2+2*x+3)/(x-1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)$  ogf]  
A021036 28.2887  $(1+4*x+15*x^2)/(2*x^2+3*x+5*x^3)$  lgdogf  
A021036 5.47284  $[{-a(n+5), a(0) = 0, a(1) = 3, a(2) = 1, a(3) = 2, a(4) = 5}]$ , ogf]  
A021037 11.0137  $[{a(n+2)-a(n), a(0) = 0, a(1) = 3}]$ , ogf]  
A021037 21.0262  $[-3*x/(x-1)/(x+1)$  ogf]  
A021037 34.8169  $1/2/x*(-3+(9+4*x^2)^(1/2))$  revogf  
A021037 53.2562  $[x]$  ogf\_with\_Euler\_transform]  
A021037 56.5774  $-2*x/(x-1)/(x+1)$  lgdogf  
A021038 8.49003  $[-x*(5*x^8-2*x^7-x^6+6*x^5-3*x^3-5*x^2+7*x+2)/(x-1)/(x^8+1)$  ogf]  
A021039 11.0395  $-(8-6*x-12*x^3+4*x^6+21*x^4-6*x^5+9*x^2)/(x-1)/(x+1)/(x^2-x+1)/(4*x^3-3*x^2+6*x+2)$  lgdogf  
A021039 12.5894  $[-x*(4*x^3-3*x^2+6*x+2)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021040 11.0726  $[{-a(n+3)+a(n+2), a(0) = 0, a(1) = 2, a(2) = 7}]$ , ogf]  
A021040 22.4152  $[-x*(5*x+2)/(x-1)$  ogf]  
A021040 25.8640  $-1/10*x-1/5+1/10*(x^2+24*x+4)^(1/2)$  revogf  
A021040 56.5774  $-7/(5*x+2)/(x-1)$  lgdogf  
A021041 10.2931  $[{-a(n+3)+a(n), a(0) = 0, a(1) = 2, a(2) = 7}]$ , ogf]  
A021041 17.1551  $[-x*(7*x+2)/(x-1)/(x^2+x+1)$  ogf]  
A021041 22.0790  $-(7+14*x^3+6*x^2)/(7*x+2)/(x-1)/(x^2+x+1)$  lgdogf  
A021042 7.28494  $[-x*(5*x^9-5*x^8+x^7+x^6+2*x^5+4*x^4-2*x^3-3*x^2+4*x+2)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A021043 14.8334  $[-x*(x+2)/(x-1)/(x^2-x+1)$  ogf]  
A021043 21.5533  $-(5-8*x+2*x^3+4*x^2)/(x+2)/(x-1)/(x^2-x+1)$  lgdogf  
A021043 7.61714  $[{a(n+3)-2*a(n+2)+2*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 5}]$ , ogf]  
A021044 11.9681  $-2*(-7+59*x-141*x^2+96*x^3)/(-1+x)/(3*x-1)/(2*x-1)/(8*x-1)$  lgdogf  
A021044 13.3270  $[1/(x-1)/(3*x-1)/(2*x-1)/(8*x-1)$  ogf]  
A021045 10.5260  $-(4+6*x+9*x^6+18*x^7+10*x^4+16*x^5+27*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(9*x^3+3*x^2+4*x+2)$  lgdogf  
A021045 13.6347  $[-x*(9*x^3+3*x^2+4*x+2)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A021046 12.2537  $[-x*(5*x^5+9*x^4+8*x^2+3*x+2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021046 7.80378  $-(3+16*x+36*x^3+15*x^6+32*x^7+18*x^9+5*x^10+25*x^4+12*x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(5*x^5+9*x^4+8*x^2+3*x+2)$  lgdogf  
A021048 10.0009  $-(-15+130*x+216*x^3-315*x^2)/(x-1)/(3*x-1)/(2*x-1)/(9*x-1)$  lgdogf  
A021048 10.9599  $[1/(x-1)/(3*x-1)/(2*x-1)/(9*x-1)$  ogf]  
A021049 10.2769  $[1/(x-1)/(3*x-1)/(2*x-1)/(10*x-1)$  ogf]  
A021049 9.05649  $-2*(-8+71*x-174*x^2+120*x^3)/(x-1)/(3*x-1)/(-1+2*x)/(10*x-1)$  lgdogf  
A021050 6.18076  $[-x*(5*x^11+x^10-x^9+4*x^8-3*x^7+2*x^6-8*x^5+6*x^4-4*x^3+6*x^2-x+2)/(x-1)/(x+1)/(x^10-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A021052 16.0426  $[x*(5*x^3-8*x^2+2*x-2)/(x-1)$  ogf]  
A021052 20.5736  $x*(16+10*x^2-23*x)/(x-1)/(5*x^3-8*x^2+2*x-2)$  lgdogf  
A021052 4.86398  $[{(182*n^2-216*n-296)*a(n+1)+(-321*n^2-99*n+222)*a(n+2)+(139*n^2+315*n+74)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 0}]$ , ogf]  
A021054 10.2769  $[1/(x-1)/(3*x-1)/(2*x-1)/(11*x-1)$  ogf]

A021054 9.05649  $-( -17+154*x-381*x^2+264*x^3)/(x-1)/(3*x-1)/(-1+2*x)/(11*x-1)$   
lgdogf  
A021055 5.83705 [ -  
 $x*(9*x^{14}+4*x^{13}+5*x^{12}+2*x^{11}+7*x^{10}+3*x^9+x^8+3*x^7+4*x^6+8*x^5+7*x^4+6*x^2+9*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf ]  
A021056 10.0582  $-(9-14*x+4*x^3+7*x^6+16*x^4-14*x^5+10*x^2)/(x-1)/(x+1)/(5*x^4+2*x^3-7*x^2+8*x+1)/(x^2-x+1)$  lgdogf  
A021056 10.4383 [  $-x*(5*x^4+2*x^3-7*x^2+8*x+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf ]  
A021057 6.87487 [ -  
 $x*(3*x^{11}+8*x^{10}+2*x^9+5*x^8+4*x^7+2*x^6+9*x^5+7*x^4+6*x^3+8*x^2+8*x+1)/(x-1)/(x^2+x+1)$  ogf ]  
A021058 15.6076  $-(8+10*x+16*x^3+5*x^4+3*x^2)/(x-1)/(x^2+x+1)/(5*x^2+8*x+1)$   
lgdogf  
A021058 17.3401 [  $-x*(5*x^2+8*x+1)/(x-1)/(x^2+x+1)$  ogf ]  
A021058 9.67394 [ {a(n+4)-a(n+1), a(0) = 0, a(1) = 1, a(2) = 8, a(3) = 5}, ogf ]  
A021059 11.0726 [ {a(n+3)-a(n+1), a(0) = 0, a(1) = 1, a(2) = 8}, ogf ]  
A021059 20.4228 [  $-x*(8*x+1)/(x-1)/(x+1)$  ogf ]  
A021059 25.8640  $1/2/(8+x)*(-1+(1+32*x+4*x^2)^{1/2})$  revogf  
A021059 26.6247  $-2*(4+x+4*x^2)/(x-1)/(8*x+1)/(x+1)$  lgdogf  
A021060 10.3261 [  $x*(5*x^5-8*x^4+2*x^3-x^2-6*x-1)/(x-1)/(x+1)/(x^2-x+1)$  ogf ]  
A021060 8.53999  $(7+2*x+28*x^3+6*x^6-10*x^7+5*x^8-32*x^4+22*x^5-10*x^2)/(x-1)/(x+1)/(x^2-x+1)/(5*x^5-8*x^4+2*x^3-x^2-6*x-1)$  lgdogf  
A021062 5.54286 [  $-x*(5*x^{14}+x^{12}+3*x^{11}-x^{10}-2*x^9-6*x^8+2*x^7+4*x^6+2*x^5-3*x^4+2*x^3-5*x^2+6*x+1)/(x-1)/(x^2+1)/(x^{12}-x^{10}+x^8-x^6+x^4-x^2+1)$  ogf ]  
A021064 8.45161  $-2*(-9+83*x+144*x^3-207*x^2)/(x-1)/(3*x-1)/(2*x-1)/(12*x-1)$   
lgdogf  
A021064 9.44404 [  $1/(x-1)/(3*x-1)/(2*x-1)/(12*x-1)$  ogf ]  
A021067 14.8334 [  $-x*(3*x+1)/(x-1)/(x^2-x+1)$  ogf ]  
A021067 20.5736  $-(x+1)*(6*x^2-9*x+5)/(x-1)/(3*x+1)/(x^2-x+1)$  lgdogf  
A021067 7.61714 [ {a(n+3)-2\*a(n+2)+2\*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 5}, ogf ]  
A021068 19.2604  $(5+12*x+20*x^3+6*x^2)/(6*x^2+1+5*x+5*x^4+2*x^3)$  lgdogf  
A021069 10.9065  $-(5-4*x-16*x^3+6*x^6+14*x^4-4*x^5+17*x^2)/(x-1)/(x+1)/(x^2-x+1)/(6*x^3-2*x^2+4*x+1)$  lgdogf  
A021069 12.5894 [  $-x*(6*x^3-2*x^2+4*x+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf ]  
A021070 11.0726 [ {a(n+3)-a(n+1), a(0) = 0, a(1) = 1, a(2) = 5}, ogf ]  
A021070 20.4228 [  $-x*(5*x+1)/(x-1)/(x+1)$  ogf ]  
A021070 25.8640  $1/2/(5+x)*(-1+(1+20*x+4*x^2)^{1/2})$  revogf  
A021070 26.6247  $-(5+2*x+5*x^2)/(x-1)/(5*x+1)/(x+1)$  lgdogf  
A021072 7.81976 [  $-x*(5*x^9+2*x^8-6*x^7+3*x^5+5*x^4-7*x^3+3*x^2+3*x+1)/(x-1)/(x^8+1)$  ogf ]  
A021074 8.57042  $-2*(5*x-2)*(16*x^2-17*x+3)/(x-1)/(4*x-1)/(2*x-1)/(5*x-1)$  lgdogf  
A021074 9.27775 [  $1/(x-1)/(4*x-1)/(2*x-1)/(5*x-1)$  ogf ]  
A021076 8.78255  $-( -13+112*x+192*x^3-276*x^2)/(x-1)/(6*x-1)/(4*x-1)/(2*x-1)$   
lgdogf  
A021076 9.83332 [  $1/(x-1)/(6*x-1)/(4*x-1)/(2*x-1)$  ogf ]  
A021077 11.7563  $-(3+6*x-10*x^3+6*x^6+6*x^7-x^4+2*x^5+6*x^2)/(x-1)/(3*x^3+3*x^2+2*x+1)/(1+x^4)$  lgdogf  
A021077 11.8340 [  $-x*(3*x^3+3*x^2+2*x+1)/(x-1)/(x^4+1)$  ogf ]  
A021078 16.0777  $-(3+10*x+6*x^3+5*x^4+3*x^2)/(x-1)/(x^2+x+1)/(5*x^2+3*x+1)$  lgdogf  
A021078 17.5518 [  $-x*(5*x^2+3*x+1)/(x-1)/(x^2+x+1)$  ogf ]  
A021078 9.79204 [ {a(n+4)-a(n+1), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 5}, ogf ]  
A021079 10.1965 [  $1/(x-1)/(4*x-1)/(2*x-1)/(7*x-1)$  ogf ]  
A021079 8.98054  $-2*(-7+63*x+112*x^3-159*x^2)/(x-1)/(-1+4*x)/(2*x-1)/(-1+7*x)$   
lgdogf  
A021080 6.78824 [  $-x*(5*x^{10}-3*x^9+3*x^8-5*x^7+x^6+x^5+2*x^4+4*x^3-2*x^2+2*x+1)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf ]  
A021081 13.0077 [  $-x*(7*x^2+x+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf ]  
A021081 13.7157  $-2*(1+7*x+x^3-2*x^4+7*x^5-5*x^2)/(x-1)/(x+1)/(x^2-x+1)/(7*x^2+x+1)$  lgdogf

A021082 8.71652 [  $-x^*(5x^4-5x^3+7x^2+x+1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021082 9.05239  $-(2+12*x+28*x^2+21*x^3-10*x^4+5*x^5-11*x^6-20*x^7)/(x-1)/(x^2+x+1)/(x^2-x+1)/(5*x^4-5*x^3+7*x^2+x+1)$  lgdogf  
A021083 6.87487 [  $-x*(x^{11}+8*x^{10}+4*x^9+8*x^8+7*x^7+2*x^6+2*x^5+8*x^4+5*x^3+6*x^2+2*x+1)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A021084 8.81808  $-2*(-8+77*x+144*x^2-201*x^3)/(x-1)/(-1+4*x)/(9*x-1)/(2*x-1)$  lgdogf  
A021084 9.84867 [  $1/(x-1)/(4*x-1)/(9*x-1)/(2*x-1)$  ogf]  
A021085 9.38788 [  $-x*(9*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A021086 13.3192 [  $-x*(5*x^4+9*x^3+x^2+2*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A021086 8.96276  $-(2+2*x+20*x^2+3*x^3+18*x^4+5*x^5+8*x^6+5*x^7+8*x^8+27*x^9)/(x-1)/(x^4+x^3+x^2+x+1)/(5*x^4+9*x^3+x^2+2*x+1)$  lgdogf  
A021088 10.9805 [  $-x*(5*x^6+7*x^5+4*x^4+9*x^3+2*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021088 7.67151  $-(1+18*x+16*x^2+5*x^3+36*x^4+8*x^5+7*x^6+8*x^7+35*x^8+36*x^9)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(5*x^6+7*x^5+4*x^4+9*x^3+2*x+1)$  lgdogf  
A021089 8.49003 [  $-x*(4*x^8+5*x^7-7*x^6+3*x^5-2*x^4-x^3+6*x^2+1)/(x-1)/(x^8+1)$  ogf]  
A021092 10.2769 [  $1/(x-1)/(4*x-1)/(2*x-1)/(10*x-1)$  ogf]  
A021092 8.90803  $-(17+168*x-444*x^2+320*x^3)/(x-1)/(-1+4*x)/(-1+2*x)/(10*x-1)$  lgdogf  
A021094 10.3304 [  $1/(x-1)/(2*x-1)/(4*x-1)/(11*x-1)$  ogf]  
A021094 8.95541  $-2*(-9+91*x-243*x^2+176*x^3)/(-1+x)/(2*x-1)/(-1+4*x)/(11*x-1)$  lgdogf  
A021095 11.8059 [  $-x*(9*x^2-x+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021095 14.6006  $-6*x*(x^2+x+1)*(3*x^2-5*x+3)/(x-1)/(x+1)/(9*x^2-x+1)/(x^2-x+1)$  lgdogf  
A021096 5.81237 [  $-x*(5*x^{12}-3*x^{11}+6*x^{10}-x^9-3*x^8-x^7+x^6-4*x^5+3*x^4-2*x^3+8*x^2-x+1)/(x-1)/(x+1)/(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A021097 6.39782 [  $-x*(3*x^{13}+4*x^{12}+2*x^{10}+7*x^9+x^8+8*x^7+8*x^6+6*x^5+2*x^4+5*x^3+7*x^2+1)/(x-1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)$  ogf]  
A021099 7.24759 [  $-x*(2*x^9+2*x^8+4*x^7-2*x^6-3*x^5+4*x^4-3*x^3+5*x^2-x+1)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A021100 14.0681 [  $-x*(5*x^4-3*x^3+4*x^2-x+1)/(x-1)$  ogf]  
A021100 16.4589  $x*(-8-26*x^2+15*x^3+13*x)/(x-1)/(5*x^4-3*x^3+4*x^2-x+1)$  lgdogf  
A021104 9.49650 [  $1/(x-1)/(2*x-1)/(12*x-1)/(4*x-1)$  ogf]  
A021105 15.4192 [  $-9*x^2/(x^2+1)/(x-1)$  ogf]  
A021105 23.8734 [  $[x^3-x+1]$  ogf\_with\_Euler\_transform]  
A021105 31.2151  $-(2*x+1+3*x^2)/(x-1)/(x^2+1)$  lgdogf  
A021105 6.30785 [  $\{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 0, a(2) = 9\}$ , ogf]  
A021106 5.61625 [  $-x^2*(5*x^{14}+4*x^{13}+7*x^{12}+2*x^{11}+6*x^{10}+8*x^9+6*x^8+5*x^7+x^6+2*x^5+9*x^4+3*x^3+8*x+9)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A021108 10.0582  $(6-10*x-4*x^2+8*x^3+11*x^4-10*x^5+17*x^6)/(x-1)/(x+1)/(x^2-x+1)/(5*x^4-13*x^3+5*x^2+3*x-9)$  lgdogf  
A021108 10.6329 [  $x^2*(5*x^4-13*x^3+5*x^2+3*x-9)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021109 11.5193 [  $-x^2*(8*x^4+3*x^3+2*x^2+5*x+9)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021109 8.08249  $-(5+4*x+32*x^2+25*x^3+8*x^4+9*x^5+16*x^6+54*x^7+9*x^8+16*x^9+54*x^{10}+9*x^{11})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(8*x^4+3*x^3+2*x^2+5*x+9)$  lgdogf  
A021110 6.58405 [  $-x^2*(5*x^{11}+x^{10}+4*x^9+6*x^8+2*x^7+2*x^6+6*x^5+9*x^4+3*x^3+3*x^2+4*x+9)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A021112 11.8581 [  $\{a(n+3)-a(n), a(0) = 9, a(1) = 2, a(2) = 5\}$ , ogf]  
A021112 15.2227  $-(2+10*x+4*x^2+5*x^3+27*x^4)/(x-1)/(x^2+x+1)/(5*x^2+2*x+9)$  lgdogf  
A021112 18.3922 [  $-(5*x^2+2*x+9)/(x-1)/(x^2+x+1)$  ogf]

A021114 8.88323  $-2*(-7+65*x+120*x^3-168*x^2)/(x-1)/(-1+6*x)/(2*x-1)/(5*x-1)$   
lgdogf  
A021114 9.92385 [  $1/(x-1)/(6*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A021115 18.7982 [  $-9*x^2/(x-1)/(x^2+x+1)$  ogf]  
A021115 36.4101 [[ $x^2$ ] ogf\_with\_Euler\_transform]  
A021115 41.1472  $-3*x^2/(x-1)/(x^2+x+1)$  lgdogf  
A021115 8.38299 [  $\{a(n+3)-a(n), a(0) = 0, a(1) = 0, a(2) = 9\}$ , ogf]  
A021116 8.53999  $(9-14*x-6*x^3+12*x^6-10*x^7+5*x^8-9*x^4+6*x^5+25*x^2)/(x-1)/(x+1)/(x^2-x+1)/(5*x^5+2*x^4-14*x^3+7*x^2-x-8)$  lgdogf  
A021116 9.72797 [  $x^2*(5*x^5+2*x^4-14*x^3+7*x^2-x-8)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021119 6.35991 [  $-x^2*(6*x^10-4*x^9+6*x^8-x^7-3*x^6-x^5+x^4-4*x^3+3*x^2-2*x+8)/(x-1)/(x+1)/(x^10-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A021120 5.34705 [  $-x^2*(5*x^14+2*x^13-5*x^12+6*x^11-4*x^10-x^8-3*x^7+x^6+2*x^5+6*x^4-2*x^3-4*x^2-2*x+8)/(x-1)/(x^2+1)/(x^12-x^10+x^8-x^6+x^4-x^2+1)$  ogf]  
A021121 10.9065  $-(5-2*x-38*x^3+21*x^6+56*x^4-26*x^5+20*x^2)/(x-1)/(x^2+x+1)/(x^2-x+1)/(7*x^2-3*x+8)$  lgdogf  
A021121 9.02806 [  $-x^2*(7*x^2-3*x+8)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021124 10.3601 [  $1/(x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A021124 9.44251  $-(-15+146*x-387*x^2+280*x^3)/(x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  lgdogf  
A021125 7.06357 [  $-x^2*(9*x^9-8*x^8+6*x^7-4*x^6+2*x^5-2*x^3+4*x^2-6*x+8)/(x-1)/(x+1)/(x^10-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A021127 12.9792 [  $-x^2*(3*x^2+x+8)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A021127 14.3689  $-(1+6*x+9*x^6+40*x^4+4*x^5)/(x-1)/(3*x^2+x+8)/(x^4+x^3+x^2+x+1)$  lgdogf  
A021129 10.7963 [  $1/(x-1)/(2*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A021129 9.52036  $-2*(-8+81*x-219*x^2+160*x^3)/(x-1)/(-1+2*x)/(-1+8*x)/(5*x-1)$  lgdogf  
A021130 9.04201 [  $-x^2*(5*x^3+x^2+2*x+7)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021130 9.73375  $-(9-12*x-34*x^3-2*x^6+10*x^7+35*x^4+6*x^5+33*x^2)/(x-1)/(x^2+x+1)/(x^2-x+1)/(5*x^3+x^2+2*x+7)$  lgdogf  
A021132 20.1164  $2*(5*x+4)*(2*x^2-x+1)/(x^2+7+8*x+5*x^4+2*x^3)$  lgdogf  
A021134 9.06978  $-(-17+178*x+360*x^3-489*x^2)/(x-1)/(9*x-1)/(2*x-1)/(5*x-1)$  lgdogf  
A021134 9.95572 [  $1/(x-1)/(9*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A021136 18.6618 [  $-x^2*(5*x+7)/(x-1)/(x+1)$  ogf]  
A021136 25.8640  $-(5+14*x+5*x^2)/(x-1)/(5*x+7)/(x+1)$  lgdogf  
A021136 9.72797 [  $\{-a(n+4)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 7, a(3) = 5\}$ , ogf]  
A021137 7.68638 [  $-x^2*(3*x^7-3*x^6+2*x^5-x^4+7*x^3-4*x^2-2*x+7)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A021139 15.6609 [  $-x^2*(4*x+7)/(x-1)/(x^2+x+1)$  ogf]  
A021139 22.0790  $-(4+8*x^3+21*x^2)/(x-1)/(4*x+7)/(x^2+x+1)$  lgdogf  
A021139 8.16367 [  $\{a(n+4)-a(n+1), a(0) = 0, a(1) = 0, a(2) = 7, a(3) = 4\}$ , ogf]  
A021140 7.39048 [  $x^2*(5*x^9-13*x^8+3*x^6+5*x^5-7*x^4+3*x^3-2*x^2+4*x-7)/(x-1)/(x^8+1)$  ogf]  
A021141 11.6543 [  $-x^2*(7*x^2-5*x+7)/(x-1)/(x^4+1)$  ogf]  
A021141 12.7498  $-(2+14*x-28*x^3+21*x^6+50*x^4-34*x^5-7*x^2)/(x-1)/(7*x^2-5*x+7)/(x^4+1)$  lgdogf  
A021144 10.0900 [  $1/(x-1)/(2*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A021144 9.05649  $-2*(-9+97*x-270*x^2+200*x^3)/(x-1)/(-1+2*x)/(5*x-1)/(10*x-1)$  lgdogf  
A021147 12.5801 [  $-3*x^2*(x+2)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021147 18.1048  $-3*(1+2*x^3+x^4-2*x^2)/(x-1)/(x+2)/(x+1)/(x^2-x+1)$  lgdogf  
A021148 17.2534 [  $x^2*(5*x^2-3*x-6)/(x-1)$  ogf]  
A021148 26.6247  $(9-10*x+5*x^2)/(x-1)/(5*x^2-3*x-6)$  lgdogf  
A021148 8.62669 [  $\{-a(n+5)+a(n+4), a(0) = 0, a(1) = 0, a(2) = 6, a(3) = 9, a(4) = 4\}$ , ogf]  
A021149 5.64878 [  $-x^2*(2*x^13+4*x^12+2*x^11-3*x^10+2*x^9-5*x^8+6*x^7-4*x^6-x^4-3*x^3+x^2+2*x+6)/(x-1)/(x^2+1)/(x^12-x^10+x^8-x^6+x^4-x^2+1)$  ogf]  
A021150 10.7767  $-(8-8*x-34*x^3-17*x^6+10*x^7+24*x^4+16*x^5+19*x^2)/(x-1)/$

$(5x^3-4x^2+2x+6)/(1+x^4)$  lgdogf  
A021150 11.1596 [  $-x^2(5x^3-4x^2+2x+6)/(x-1)/(x^4+1)$  ogf]  
A021152 15.3430  $-(7+10x+14x^2+5x^3+18x^4)/(x-1)/(x^2+x+1)/(5x^2+7x+6)$  lgdogf  
A021152 16.0426 [  $-x^2(5x^2+7x+6)/(x-1)/(x^2+x+1)$  ogf]  
A021152 8.62669 [  $\{-a(n+5)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 6, a(3) = 7, a(4) = 5\}$ , ogf]  
A021154 10.0647 [  $1/(x-1)/(5x-1)/(2x-1)/(11x-1)$  ogf]  
A021154 9.35696  $-(-19+210x-591x^2+440x^3)/(x-1)/(5x-1)/(2x-1)/(11x-1)$  lgdogf  
A021156 6.50696 [  $x^2(5x^{10}-8x^9-3x^8+4x^7-3x^6+5x^5-x^4-x^3-2x^2+x-6)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A021157 5.65320 [  $-x^2(3x^{13}+8x^{12}+x^{11}+4x^{10}+2x^9+x^8+7x^7+7x^6+4x^5+9x^4+5x^3+3x^2+5x+6)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A021158 12.1871 [  $-x^2(5x^2-2x+6)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021158 12.4005  $-(4+10x+28x^2-11x^3+10x^4-23x^5)/(x-1)/(x+1)/(x^2-x+1)/(5x^2-2x+6)$  lgdogf  
A021160 12.1871 [  $-x^2(5x^2-8x+6)/(x-1)/(x^2-x+1)$  ogf]  
A021160 15.3430  $-(4-14x-16x^2+5x^3+24x^4)/(x-1)/(x^2-x+1)/(5x^2-8x+6)$  lgdogf  
A021160 5.92188 [  $\{-a(n+5)+2a(n+4)-2a(n+3)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 6, a(3) = 4, a(4) = 1\}$ , ogf]  
A021162 6.80078 [  $-x^2(5x^{11}+4x^9+2x^8+9x^7+3x^6+x^5+x^4+9x^3+2x^2+3x+6)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A021163 6.95159 [  $-x^2(x^{10}+6x^9+7x^8+x^7+8x^6+3x^5+9x^4+9x^3+8x^2+2x+6)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A021164 9.15734 [  $1/(x-1)/(5x-1)/(2x-1)/(12x-1)$  ogf]  
A021166 8.95338 [  $-x^2(5x^7+9x^6+3x^5+8x^4+2x^3+7x^2+x+6)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A021168 12.6542 [  $-x^2(5x^4+7x^3+9x^2+6)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A021168 9.83955  $-x(18+20x^2+27x^5+14x^6+5x^7+30x^3+21x)/(x-1)/(x^4+x^3+x^2+x+1)/(5x^4+7x^3+9x^2+6)$  lgdogf  
A021169 21.0262 [  $-6x^2/(x-1)/(x+1)$  ogf]  
A021169 53.2562 [  $[x]$  ogf\_with\_Euler\_transform]  
A021169 56.5774  $-2x/(x-1)/(x+1)$  lgdogf  
A021169 8.46174 [  $\{-a(n+3)+a(n+1), a(0) = 0, a(1) = 0, a(2) = 6\}$ , ogf]  
A021172 6.91022  $(9+10x+12x^2+45x^3+20x^4+6x^5+6x^6+8x^7+40x^8+6x^9)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(5x^6-8x^5-3x^4-2x^3-5x^2-9x-5)$  lgdogf  
A021172 9.44839 [  $x^2(5x^6-8x^5-3x^4-2x^3-5x^2-9x-5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021174 10.5236 [  $1/(x-1)/(6x-1)/(2x-1)/(7x-1)$  ogf]  
A021174 9.43219  $-2(-8+83x-228x^2+168x^3)/(-1+x)/(6x-1)/(2x-1)/(7x-1)$  lgdogf  
A021179 11.6056  $-(7-12x+8x^2+12x^3-12x^4+15x^5)/(x-1)/(x+1)/(x^2-x+1)/(8x^3-6x^2+2x+5)$  lgdogf  
A021179 11.8757 [  $-x^2(8x^3-6x^2+2x+5)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021180 14.0681 [  $x^2(5x^3-3x^2-6x-5)/(x-1)/(x+1)$  ogf]  
A021180 17.4084  $(6+16x+5x^2-9x^3)/(x-1)/(x+1)/(5x^3-3x^2-6x-5)$  lgdogf  
A021184 10.0009  $-(-17+184x+384x^2-516x^3)/(x-1)/(6x-1)/(2x-1)/(8x-1)$  lgdogf  
A021184 10.9599 [  $1/(x-1)/(6x-1)/(2x-1)/(8x-1)$  ogf]  
A021186 12.1871 [  $-x^2(5x^2-x+5)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021186 12.9320  $-2(2+5x+11x^2-4x^3+5x^4-10x^5)/(x-1)/(x+1)/(5x^2-x+5)/(x^2-x+1)$  lgdogf  
A021188 5.59662 [  $x^2(5x^{12}-8x^{11}+2x^{10}-8x^9+6x^8-4x^7+6x^6-x^5-3x^4-x^3+x^2+x-5)/(x-1)/(x+1)/(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A021189 15.6609 [  $-x^2(4x+5)/(x-1)/(x^2+x+1)$  ogf]  
A021189 21.5533  $-(x+2)(8x^2-x+2)/(4x+5)/(x-1)/(x^2+x+1)$  lgdogf  
A021189 8.16367 [  $\{a(n+4)-a(n+1), a(0) = 0, a(1) = 0, a(2) = 5, a(3) = 4\}$ , ogf]  
A021190 6.16087 [  $-$



$x^2*(5*x^{13}+x^{12}+2*x^{11}+6*x^9+8*x^8+4*x^6+4*x^5+3*x^4+6*x^3+7*x^2+3*x+5)/(x-1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)$  ogf]  
A021191 5.65320 [ -  
 $x^2*(7*x^{13}+7*x^{12}+8*x^{11}+8*x^{10}+2*x^9+8*x^8+5*x^7+3*x^6+9*x^5+5*x^4+7*x^3+4*x^2+3*x+5)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A021193 11.8059 [  $-x^2*(x^3+9*x^2+2*x+5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021193 9.83955  $-(2+18*x+10*x^6+36*x^7+3*x^8+30*x^5+3*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^3+9*x^2+2*x+5)$  lgdogf  
A021194 9.01404  $-2*(-9+101*x+216*x^3-288*x^2)/(x-1)/(6*x-1)/(9*x-1)/(2*x-1)$  lgdogf  
A021194 9.70339 [  $1/(x-1)/(6*x-1)/(9*x-1)/(2*x-1)$  ogf]  
A021196 13.1860 [  $x^2*(5*x^4-8*x^3+2*x^2+3*x-5)/(x-1)$  ogf]  
A021196 15.0873  $(2-4*x-36*x^3+15*x^4+26*x^2)/(x-1)/(5*x^4-8*x^3+2*x^2+3*x-5)$  lgdogf  
A021199 9.04201 [  $-x^2*(2*x^3+6*x^2-4*x+5)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021199 9.52883  $-(1+2*x-32*x^3+16*x^6+4*x^7+45*x^4-28*x^5+19*x^2)/(x-1)/(x^2+x+1)/(x^2-x+1)/(2*x^3+6*x^2-4*x+5)$  lgdogf  
A021202 11.4337  $-(-19+220*x-636*x^2+480*x^3)/(x-1)/(6*x-1)/(-1+2*x)/(10*x-1)$  lgdogf  
A021202 12.4644 [  $1/(x-1)/(6*x-1)/(2*x-1)/(10*x-1)$  ogf]  
A021204 11.5900  $-2*(-10+119*x+264*x^3-348*x^2)/(x-1)/(6*x-1)/(2*x-1)/(11*x-1)$  lgdogf  
A021204 12.8388 [  $1/(x-1)/(6*x-1)/(2*x-1)/(11*x-1)$  ogf]  
A021206 13.1827 [  $-x^2*(5*x+4)/(x^2+1)/(x-1)$  ogf]  
A021206 21.0521  $-(9-8*x+10*x^3+7*x^2)/(x-1)/(5*x+4)/(1+x^2)$  lgdogf  
A021206 6.18574 [  $\{a(n+4)-a(n+3)+a(n+2)-a(n+1), a(0) = 0, a(1) = 0, a(2) = 4, a(3) = 9\}$ , ogf]  
A021208 5.57979 [ -  
 $x^2*(5*x^{15}+2*x^{14}+7*x^{13}+3*x^{12}+x^{11}+3*x^{10}+4*x^9+8*x^8+7*x^7+6*x^5+9*x^4+x^3+9*x+4)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A021209 10.2868  $-(8+14*x+21*x^6+16*x^7+20*x^4+32*x^5+24*x^2)/(x-1)/(8*x^3+7*x^2+8*x+4)/(x^4+x^3+x^2+x+1)$  lgdogf  
A021209 12.7250 [  $-x^2*(8*x^3+7*x^2+8*x+4)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A021212 8.30494  $(8-16*x-2*x^3+14*x^6-10*x^7+5*x^8-14*x^4+4*x^5+29*x^2)/(x-1)/(x+1)/(x^2-x+1)/(5*x^5-3*x^4-11*x^3+8*x^2-4*x-4)$  lgdogf  
A021212 8.94582 [  $x^2*(5*x^5-3*x^4-11*x^3+8*x^2-4*x-4)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021213 8.51449 [  $-x^2*(x^7+2*x^5+2*x^4-4*x^3+x^2+3*x+4)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A021214 8.26740  $-(-21+256*x+576*x^3-756*x^2)/(x-1)/(-1+6*x)/(2*x-1)/(-1+12*x)$  lgdogf  
A021214 9.20793 [  $1/(x-1)/(6*x-1)/(2*x-1)/(12*x-1)$  ogf]  
A021216 6.58405 [ -  
 $x^2*(5*x^{12}+7*x^{11}+2*x^9+3*x^8+x^7+x^6+8*x^5+9*x^4+6*x^3+x^2+7*x+4)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A021220 14.0681 [  $-x^2*(5*x^3+2*x^2+6*x+4)/(x-1)/(x^2+x+1)$  ogf]  
A021220 14.1444  $-(6+4*x+12*x^3+2*x^4+27*x^2)/(x-1)/(x^2+x+1)/(5*x^3+2*x^2+6*x+4)$  lgdogf  
A021223 11.6543 [  $-x^2*(x^2+x+4)/(x-1)/(x^4+1)$  ogf]  
A021223 14.6006  $-(5+2*x-16*x^3+3*x^6+17*x^4+2*x^5-x^2)/(x-1)/(x^2+x+4)/(x^4+1)$  lgdogf  
A021224 8.81808  $-2*(-9+103*x+224*x^3-297*x^2)/(x-1)/(2*x-1)/(8*x-1)/(7*x-1)$  lgdogf  
A021224 9.49693 [  $1/(x-1)/(2*x-1)/(8*x-1)/(7*x-1)$  ogf]  
A021226 15.6609 [  $-x^2*(5*x+4)/(x-1)/(x^2+x+1)$  ogf]  
A021226 21.5533  $-(5+10*x^3+12*x^2)/(5*x+4)/(x-1)/(x^2+x+1)$  lgdogf  
A021226 8.16367 [  $\{a(n+4)-a(n+1), a(0) = 0, a(1) = 0, a(2) = 4, a(3) = 5\}$ , ogf]  
A021228 7.73708  $(4+4*x+4*x^3+25*x^6+16*x^7-23*x^8+10*x^9+44*x^4-58*x^5-8*x^2)/(x-1)/(x+1)/(x^2-x+1)/(5*x^6-8*x^5+2*x^4-2*x^3-2*x^2-4)$  lgdogf  
A021228 9.83257 [  $x^2*(5*x^6-8*x^5+2*x^4-2*x^3-2*x^2-4)/(x-1)/(x+1)/(x^2-x+1)$  ogf]

A021229 9.20999  $-( -19+226*x-663*x^2+504*x^3)/(x-1)/(9*x-1)/(-1+2*x)/(7*x-1)$   
lgdogf  
A021229 9.90984  $[ 1/(x-1)/(9*x-1)/(2*x-1)/(7*x-1) \text{ ogf}]$   
A021234 9.20999  $-2*(14*x-5)*(20*x^2-19*x+2)/(x-1)/(-1+2*x)/(7*x-1)/(10*x-1)$   
lgdogf  
A021234 9.90984  $[ 1/(x-1)/(2*x-1)/(7*x-1)/(10*x-1) \text{ ogf}]$   
A021235 11.8059  $[ -x^2*(9*x^3+2*x^2+3*x+4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) \text{ ogf}]$   
A021235 9.63020  $-(3+4*x+15*x^6+8*x^7+27*x^8+24*x^5+27*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(9*x^3+2*x^2+3*x+4) \text{ lgdogf}$   
A021236 5.04150  $[ -$   
 $x^2*(5*x^15+2*x^14-4*x^13-2*x^12+3*x^11-2*x^10+5*x^9-6*x^8+4*x^7+x^5+3*x^4-$   
 $x^3-2*x^2-x+4)/(x-1)/(x^2+1)/(x^12-x^10+x^8-x^6+x^4-x^2+1) \text{ ogf}]$   
A021238 12.1871  $[ -x^2*(5*x^2-2*x+4)/(x-1)/(x+1)/(x^2-x+1) \text{ ogf}]$   
A021238 12.4005  $-(2+10*x+20*x^3-11*x^4+10*x^5-17*x^2)/(x-1)/(x+1)/(x^2-x+1)/$   
 $(5*x^2-2*x+4) \text{ lgdogf}$   
A021241 6.95159  $[ -x^2*(7*x^10+2*x^9+8*x^8+2*x^7+9*x^6+4*x^4+9*x^3+x^2+2*x+4)/$   
 $(x-1)/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1) \text{ ogf}]$   
A021243 10.8269  $[ -x^2*(x^4+4*x^3+8*x^2+x+4)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$   
 $\text{ ogf}]$   
A021243 8.22944  $-(1+16*x+4*x^3+28*x^6+6*x^7+40*x^8+16*x^9+3*x^10+12*x^2)/(x-1)/$   
 $(x^4+4*x^3+8*x^2+x+4)/(x^6+x^5+x^4+x^3+x^2+x+1) \text{ lgdogf}$   
A021244 8.40359  $-( -21+266*x+616*x^3-801*x^2)/(x-1)/(7*x-1)/(2*x-1)/(11*x-1)$   
lgdogf  
A021244 9.05616  $[ 1/(x-1)/(7*x-1)/(2*x-1)/(11*x-1) \text{ ogf}]$   
A021246 6.71595  $[ -x^2*(5*x^10+4*x^9-4*x^8+3*x^7-2*x^6+x^5-x^3+2*x^2-3*x+4)/$   
 $(x-1)/(x+1)/(x^10-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1) \text{ ogf}]$   
A021250 12.4005  $-x*(12+18*x^5+10*x^6+20*x^3+15*x)/(x-1)/(x^4+x^3+x^2+x+1)/$   
 $(5*x^3+6*x^2+4) \text{ lgdogf}$   
A021250 12.8986  $[ -x^2*(5*x^3+6*x^2+4)/(x-1)/(x^4+x^3+x^2+x+1) \text{ ogf}]$   
A021251 7.64461  $[ -x^2*(7*x^7-6*x^6+3*x^5-3*x^4+4*x^3+4*x^2-4*x+4)/(x-1)/(x+1)/$   
 $(x^2-x+1)/(x^6-x^3+1) \text{ ogf}]$   
A021254 8.17975  $-2*( -11+143*x+336*x^3-435*x^2)/(x-1)/(7*x-1)/(2*x-1)/(-1+12*x)$   
lgdogf  
A021254 9.25852  $[ 1/(x-1)/(7*x-1)/(2*x-1)/(12*x-1) \text{ ogf}]$   
A021256 10.1498  $[ -x^2*(5*x^3-3*x^2+6*x+3)/(x-1)/(x+1)/(x^2-x+1) \text{ ogf}]$   
A021256 9.42198  $-(9-6*x-10*x^3+5*x^6+21*x^4-6*x^5+9*x^2)/(x-1)/(x+1)/(x^2-x+1)/$   
 $(5*x^3-3*x^2+6*x+3) \text{ lgdogf}$   
A021257 6.51866  $[ -x^2*(3*x^9+5*x^8-8*x^7+3*x^6+x^5+3*x^4-3*x^3-4*x^2+6*x+3)/$   
 $(x-1)/(x+1)/(x^10-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1) \text{ ogf}]$   
A021259 5.65320  $[ -$   
 $x^2*(8*x^14+9*x^13+5*x^11+4*x^10+7*x^9+2*x^8+6*x^7+8*x^6+6*x^5+5*x^4+x^3+2*x^2+9$   
 $*x+3)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1) \text{ ogf}]$   
A021260 28.3796  $(9+8*x^3+25*x^4+18*x^2)/(6*x^3+3+9*x+5*x^5+2*x^4) \text{ lgdogf}$   
A021263 12.0698  $-(8-4*x-2*x^3+3*x^6+x^4+18*x^5+3*x^2)/(x-1)/(x^2+x+1)/(x^2-x+1)/$   
 $(x^2+5*x+3) \text{ lgdogf}$   
A021263 9.02806  $[ -x^2*(x^2+5*x+3)/(x-1)/(x^2+x+1)/(x^2-x+1) \text{ ogf}]$   
A021264 8.76435  $-2*( -10+125*x-375*x^2+288*x^3)/(x-1)/(-1+8*x)/(-1+2*x)/(9*x-1)$   
lgdogf  
A021264 9.90984  $[ 1/(x-1)/(8*x-1)/(2*x-1)/(9*x-1) \text{ ogf}]$   
A021268 8.90803  $-( -21+272*x-828*x^2+640*x^3)/(x-1)/(-1+2*x)/(-1+8*x)/(10*x-1)$   
lgdogf  
A021268 9.90984  $[ 1/(x-1)/(2*x-1)/(8*x-1)/(10*x-1) \text{ ogf}]$   
A021269 6.80078  $[ -$   
 $x^2*(6*x^11+6*x^10+5*x^9+9*x^7+4*x^6+8*x^5+5*x^4+3*x^3+7*x^2+7*x+3)/(x-1)/$   
 $(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1) \text{ ogf}]$   
A021270 7.10506  $[ -x^2*(5*x^8-4*x^7-x^6+6*x^5-6*x^4+4*x^3-2*x^2+4*x+3)/(x-1)/(x$   
 $+1)/(x^2-x+1)/(x^6-x^3+1) \text{ ogf}]$   
A021274 9.15734  $[ 1/(x-1)/(2*x-1)/(11*x-1)/(8*x-1) \text{ ogf}]$   
A021275 12.9792  $[ -3*x^2*(3*x^2+2*x+1)/(x-1)/(x^4+x^3+x^2+x+1) \text{ ogf}]$   
A021275 14.1444  $-(2+6*x+9*x^6+5*x^4+8*x^5)/(x-1)/(3*x^2+2*x+1)/(x^4+x^3+x^2+x+1)$   
lgdogf

A021276 6.52101 [  $x^2(5x^{10}-3x^9-6x^8-5x^7+7x^6-3x^5+2x^4+x^3-x^2-3x-3)/(x-1)/(x^8+1)$  ogf ]  
A021277 17.0530 [  $-3x^2/(x-1)/(x^2-x+1)$  ogf ]  
A021277 23.2027 [  $x^5-x^2-x+2$  ogf\_with\_Euler\_transform ]  
A021277 30.1746  $-(2-4x+3x^2)/(x-1)/(x^2-x+1)$  lgdogf  
A021277 6.97623 [  $\{a(n+3)-2a(n+2)+2a(n+1)-a(n), a(0) = 0, a(1) = 0, a(2) = 3\}$ , ogf ]  
A021278 10.9065  $-(6-4x-22x^3-11x^6+10x^7+6x^4+16x^5+17x^2)/(x-1)/(5x^3-2x^2+3x+3)/(x^4+1)$  lgdogf  
A021278 11.1596 [  $-x^2(5x^3-2x^2+3x+3)/(x-1)/(x^4+1)$  ogf ]  
A021279 8.64369  $-(-23+316x+768x^3-984x^2)/(x-1)/(2x-1)/(12x-1)/(8x-1)$  lgdogf  
A021279 9.30912 [  $1/(x-1)/(2x-1)/(12x-1)/(8x-1)$  ogf ]  
A021283 6.20684 [ -  
 $x^2(x^{12}+8x^{11}+6x^{10}+9x^8+3x^7+9x^6+2x^5+2x^4+4x^3+8x^2+5x+3)/(x-1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)$  ogf ]  
A021284 8.08162  $-2(-11+149x+360x^3-462x^2)/(x-1)/(9x-1)/(2x-1)/(10x-1)$  lgdogf  
A021284 9.00555 [  $1/(x-1)/(9x-1)/(2x-1)/(10x-1)$  ogf ]  
A021285 6.20341 [  $-x^2(9x^{12}-2x^{11}+x^{10}-5x^9-2x^8+7x^6-6x^5-x^4+3x^3+2x+3)/(x-1)/(x^2+1)/(x^{12}-x^{10}+x^8-x^6+x^4-x^2+1)$  ogf ]  
A021290 12.1871 [  $-x^2(5x^2+x+3)/(x-1)/(x+1)/(x^2-x+1)$  ogf ]  
A021290 13.7157  $-2(2+5x+5x^3-x^4+5x^5-7x^2)/(x-1)/(x+1)/(x^2-x+1)/(5x^2+x+3)$  lgdogf  
A021292 14.9906 [  $x^2(5x^3-3x^2-x-3)/(x-1)$  ogf ]  
A021292 20.1164  $2(2+3x+5x^3-9x^2)/(x-1)/(5x^3-3x^2-x-3)$  lgdogf  
A021292 4.96972 [  $\{(61n^2-175n-24)a(n+1)+(-110n^2+198n+96)a(n+2)+(49n^2-23n-72)a(n+3), a(0) = 0, a(1) = 0, a(2) = 3\}$ , ogf ]  
A021294 8.45241  $-(-23+322x+792x^3-1011x^2)/(x-1)/(9x-1)/(2x-1)/(11x-1)$  lgdogf  
A021294 9.25852 [  $1/(x-1)/(9x-1)/(2x-1)/(11x-1)$  ogf ]  
A021296 10.2868  $-(4-4x+4x^3-8x^6+4x^7+5x^8-3x^4+8x^5+8x^2)/(x-1)/(5x^4+2x^3-2x^2+x+3)/(x^4+1)$  lgdogf  
A021296 10.7580 [  $-x^2(5x^4+2x^3-2x^2+x+3)/(x-1)/(x^4+1)$  ogf ]  
A021300 14.0681 [  $-x^2(5x^3+7x^2+3x+3)/(x-1)/(x^2+x+1)$  ogf ]  
A021300 14.1444  $-(3+14x+6x^3+7x^4+24x^2)/(x-1)/(x^2+x+1)/(5x^3+7x^2+3x+3)$  lgdogf  
A021301 11.8059 [  $-x^2(7x^3+6x^2+3x+3)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A021301 9.83955  $-3(1+4x+5x^6+8x^7+7x^8+6x^5+7x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(7x^3+6x^2+3x+3)$  lgdogf  
A021304 8.40674  $-2(-12+173x+432x^3-549x^2)/(x-1)/(9x-1)/(2x-1)/(12x-1)$  lgdogf  
A021304 9.35971 [  $1/(x-1)/(9x-1)/(2x-1)/(12x-1)$  ogf ]  
A021307 15.4192 [  $-3x^2/(x^2+1)/(x-1)$  ogf ]  
A021307 23.8734 [  $[x^3-x+1]$  ogf\_with\_Euler\_transform ]  
A021307 31.2151  $-(-2x+1+3x^2)/(x-1)/(1+x^2)$  lgdogf  
A021307 6.30785 [  $\{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 0, a(2) = 3\}$ , ogf ]  
A021308 6.10584 [  $-x^2(5x^{11}-3x^{10}-x^9+2x^8+3x^7-4x^6+3x^5-5x^4+x^3+6x^2-x+3)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf ]  
A021310 5.65320 [ -  
 $x^2(5x^{14}+x^{13}+9x^{12}+2x^{10}+6x^9+5x^8+8x^7+3x^6+7x^5+9x^4+7x^3+6x^2+2x+3)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf ]  
A021312 11.6056  $-(2+4x+4x^3+5x^6-5x^4+4x^5+4x^2)/(x-1)/(x+1)/(x^2-x+1)/(5x^3+2x^2-x+3)$  lgdogf  
A021312 11.8757 [  $-x^2(5x^3+2x^2-x+3)/(x-1)/(x+1)/(x^2-x+1)$  ogf ]  
A021314 8.09489  $-2(-12+175x+440x^3-558x^2)/(x-1)/(2x-1)/(-1+10x)/(11x-1)$  lgdogf  
A021314 9.30912 [  $1/(x-1)/(2x-1)/(10x-1)/(11x-1)$  ogf ]  
A021316 7.71474 [  $-x^2(5x^5-3x^4+4x^3+x^2-x+3)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf ]

A021316 8.30494  $-(2-4*x-34*x^3+17*x^6-2*x^7+2*x^8+57*x^4-32*x^5+21*x^2)/(x-1)/(x^2+x+1)/(x^2-x+1)/(5*x^5-3*x^4+4*x^3+x^2-x+3)$  lgdogf  
A021319 12.1871  $[-x^2*(6*x^2-2*x+3)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021319 12.4005  $-(1+12*x+16*x^3-12*x^4+12*x^5-15*x^2)/(x-1)/(x+1)/(x^2-x+1)/(6*x^2-2*x+3)$  lgdogf  
A021320 6.58405  $[-x^2*(5*x^12+2*x^11+2*x^9+6*x^8+9*x^7+6*x^6+5*x^5+5*x^4+4*x^3+6*x^2+x+3)/(x-1)/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A021322 6.99086  $[-x^2*(5*x^11+8*x^9+8*x^8+4*x^6+5*x^5+6*x^4+4*x^3+4*x^2+x+3)/(x-1)/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A021324 8.36254  $-(-25+376*x+960*x^3-1212*x^2)/(x-1)/(2*x-1)/(12*x-1)/(-1+10*x)$  lgdogf  
A021324 9.46089  $[1/(x-1)/(2*x-1)/(12*x-1)/(10*x-1)$  ogf]  
A021328 8.81513  $[-x^2*(5*x^8+7*x^7+9*x^6+x^5+4*x^4+6*x^3+8*x^2+3)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A021329 10.9209  $[-x^2*(2*x^3+7*x^2-3*x+3)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021329 11.9110  $-2*x*(7+7*x^2+x^5-8*x^3+7*x^4-5*x)/(x-1)/(x+1)/(x^2-x+1)/(2*x^3+7*x^2-3*x+3)$  lgdogf  
A021332 11.2675  $[-x^2*(5*x^5+7*x^4+8*x^3+4*x^2+3)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A021332 9.33236  $-x*(8+28*x^2+12*x^5+16*x^6+7*x^7+40*x^3+24*x)/(x-1)/(x^4+x^3+x^2+x+1)/(5*x^5+7*x^4+8*x^3+4*x^2+3)$  lgdogf  
A021334 7.42339  $-2*(-13+203*x+528*x^3-663*x^2)/(x-1)/(2*x-1)/(12*x-1)/(11*x-1)$  lgdogf  
A021334 8.41679  $[1/(x-1)/(2*x-1)/(12*x-1)/(11*x-1)$  ogf]  
A021337 18.7982  $[-3*x^2/(x-1)/(x^2+x+1)$  ogf]  
A021337 36.4101  $[[x^2]$  ogf\_with\_Euler\_transform]  
A021337 41.1472  $-3*x^2/(x-1)/(x^2+x+1)$  lgdogf  
A021337 8.38299  $[{a(n+3)-a(n), a(0) = 0, a(1) = 0, a(2) = 3},$  ogf]  
A021340 8.66914  $[x^2*(5*x^7+2*x^6-9*x^5-x^4-6*x^3-7*x^2-9*x-2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021344 8.42719  $-(-13+118*x+240*x^3-321*x^2)/(x-1)/(4*x-1)/(3*x-1)/(5*x-1)$  lgdogf  
A021344 9.26954  $[1/(x-1)/(4*x-1)/(3*x-1)/(5*x-1)$  ogf]  
A021354 8.88409  $-2*(-7+67*x+144*x^3-189*x^2)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)$  lgdogf  
A021354 9.76028  $[1/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)$  ogf]  
A021355 11.8059  $[-x^2*(9*x^3+4*x^2+8*x+2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021355 9.52883  $-(8+8*x+40*x^6+16*x^7+27*x^8+12*x^5+27*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(9*x^3+4*x^2+8*x+2)$  lgdogf  
A021356 12.4005  $2*(-4-4*x-10*x^3-4*x^4+5*x^5+8*x^2)/(x-1)/(x+1)/(5*x^4-8*x^3+2*x^2+8*x+2)$  lgdogf  
A021356 9.56792  $[-x^2*(5*x^4-8*x^3+2*x^2+8*x+2)/(x-1)/(x+1)$  ogf]  
A021357 5.17643  $[-x^2*(3*x^14+5*x^13+x^12-8*x^11-x^10+x^9+7*x^8-5*x^6-2*x^5+6*x^4-x^3-5*x^2+6*x+2)/(x-1)/(x^16+1)$  ogf]  
A021364 10.2510  $[1/(x-1)/(3*x-1)/(7*x-1)/(4*x-1)$  ogf]  
A021364 9.02962  $-3*(-5+50*x+112*x^3-145*x^2)/(x-1)/(3*x-1)/(-1+7*x)/(-1+4*x)$  lgdogf  
A021368 10.9065  $-(-7-6*x+5*x^6-6*x^5+18*x^4-12*x^3+12*x^2)/(x-1)/(x+1)/(x^2-x+1)/(5*x^3-3*x^2+5*x+2)$  lgdogf  
A021368 11.8757  $[-x^2*(5*x^3-3*x^2+5*x+2)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021369 10.9065  $-(-7-8*x+12*x^7-18*x^6+28*x^5-5*x^4-20*x^3+22*x^2)/(x-1)/(6*x^3-4*x^2+5*x+2)/(x^4+1)$  lgdogf  
A021369 11.1596  $[-x^2*(6*x^3-4*x^2+5*x+2)/(x-1)/(x^4+1)$  ogf]  
A021373 12.9792  $[-x^2*(x^2+7*x+2)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A021373 14.1444  $-(-7+2*x+3*x^6+28*x^5+10*x^4)/(x-1)/(x^2+7*x+2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A021374 10.7418  $[1/(x-1)/(4*x-1)/(3*x-1)/(8*x-1)$  ogf]  
A021374 9.47128  $-2*(-8+83*x-246*x^2+192*x^3)/(x-1)/(-1+4*x)/(3*x-1)/(-1+8*x)$  lgdogf  
A021376 6.16087  $[-x^2*(5*x^14+7*x^13+x^11+3*x^9+4*x^8+2*x^6+7*x^5+x^4+8*x^3+8*x^2+6*x+2)/(x-1)/$

$(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)$  ogf]  
A021378 5.50843 [ -  
 $x^2*(5*x^{14}+8*x^{13}+3*x^{12}+4*x^{11}+4*x^{10}+x^9+9*x^8+7*x^7+6*x^6+9*x^5+7*x^4+3*x^3+7*x^2+6*x+2)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A021379 8.86707  $-(-17+182*x+432*x^3-549*x^2)/(x-1)/(-1+4*x)/(3*x-1)/(9*x-1)$   
lgdogf  
A021379 9.72215 [  $1/(x-1)/(4*x-1)/(3*x-1)/(9*x-1)$  ogf]  
A021382 10.2868  $-(6-4*x+10*x^7-5*x^6+16*x^5+3*x^4-10*x^3+17*x^2)/(x-1)/(x^2+x+1)/(x^2-x+1)/(5*x^3+4*x+2)$  lgdogf  
A021382 9.89302 [  $-x^2*(5*x^3+4*x+2)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021384 10.0900 [  $1/(x-1)/(4*x-1)/(3*x-1)/(10*x-1)$  ogf]  
A021384 9.20999  $-6*(-3+33*x-101*x^2+80*x^3)/(x-1)/(-1+4*x)/(3*x-1)/(10*x-1)$   
lgdogf  
A021388 11.8160 [  $-x^2*(5*x^5-3*x^4+4*x^3-6*x^2+4*x+2)/(x-1)$  ogf]  
A021388 12.0698  $2*(-3+6*x+10*x^5-17*x^4+10*x^3-9*x^2)/(x-1)/(5*x^5-3*x^4+4*x^3-6*x^2+4*x+2)$  lgdogf  
A021389 12.1871 [  $-x^2*(4*x^2+3*x+2)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021389 13.1194  $-(5+8*x+8*x^5+5*x^4+2*x^3-10*x^2)/(x-1)/(x+1)/(x^2-x+1)/(4*x^2+3*x+2)$  lgdogf  
A021394 10.0131 [  $1/(x-1)/(3*x-1)/(4*x-1)/(11*x-1)$  ogf]  
A021394 9.00279  $-(-19+214*x-663*x^2+528*x^3)/(-1+x)/(3*x-1)/(-1+4*x)/(11*x-1)$   
lgdogf  
A021399 6.58405 [ -  
 $x^2*(2*x^{11}+6*x^{10}+9*x^9+6*x^8+5*x^7+5*x^6+4*x^5+6*x^4+x^3+3*x^2+5*x+2)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A021400 18.6618 [  $-x^2*(5*x+2)/(x-1)/(x+1)$  ogf]  
A021400 26.6247  $-(5+4*x+5*x^2)/(x-1)/(5*x+2)/(x+1)$  lgdogf  
A021400 9.72797 [  $\{a(n+4)-a(n+2), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 5\}$ , ogf]  
A021403 7.22687 [  $-x^2*(x^7-x^6+4*x^5-4*x^4+6*x^3-5*x^2+3*x+2)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A021404 9.15734 [  $1/(x-1)/(3*x-1)/(12*x-1)/(4*x-1)$  ogf]  
A021408 13.2526 [  $-x^2*(5*x^2+2*x+2)/(x^2+1)/(x-1)$  ogf]  
A021408 17.4084  $-(4+6*x+5*x^4+4*x^3-x^2)/(x-1)/(x^2+1)/(5*x^2+2*x+2)$  lgdogf  
A021408 6.82410 [  $\{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 4, a(4) = 7\}$ , ogf]  
A021409 8.95338 [  $-x^2*(8*x^7+5*x^6+3*x^5+x^4+9*x^3+6*x^2+4*x+2)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A021411 11.8059 [  $-x^2*(7*x^3+5*x^2+4*x+2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021411 9.42957  $-(4+10*x+21*x^8+20*x^7+20*x^6+12*x^5+21*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(7*x^3+5*x^2+4*x+2)$  lgdogf  
A021412 5.27170 [ -  
 $x^2*(5*x^{16}+2*x^{15}+6*x^{14}+8*x^{13}+6*x^{12}+5*x^{11}+x^{10}+2*x^9+9*x^8+3*x^7+8*x^5+9*x^4+5*x^2+4*x+2)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A021414 10.0329 [  $1/(x-1)/(6*x-1)/(3*x-1)/(5*x-1)$  ogf]  
A021414 9.13792  $-(-15+154*x+360*x^3-459*x^2)/(x-1)/(6*x-1)/(3*x-1)/(5*x-1)$   
lgdogf  
A021415 10.2603 [  $-x^2*(9*x^5+3*x^3+3*x^2+4*x+2)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A021415 8.08249  $-(4+6*x+15*x^{10}+18*x^9+28*x^8+16*x^7+45*x^4+27*x^{12}+9*x^2)/(x-1)/(x+1)/(x^2+1)/(9*x^5+3*x^3+3*x^2+4*x+2)/(x^4+1)$  lgdogf  
A021420 7.30031  $(-4+8*x+10*x^9-23*x^8+16*x^7+13*x^6-54*x^5+51*x^4-22*x^3-13*x^2)/(x-1)/(x+1)/(x^2-x+1)/(5*x^6-8*x^5+7*x^4+5*x^3-4*x^2+2*x+2)$  lgdogf  
A021420 9.00826 [  $-x^2*(5*x^6-8*x^5+7*x^4+5*x^3-4*x^2+2*x+2)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021422 8.43183 [  $-x^2*(5*x^8+x^5+x^4-7*x^3+6*x^2+x+2)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A021424 10.2252 [  $1/(x-1)/(3*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A021424 9.49328  $-4*(-4+43*x-132*x^2+105*x^3)/(x-1)/(3*x-1)/(7*x-1)/(5*x-1)$   
lgdogf  
A021428 6.29701 [ -

$x^2*(5*x^{13}+7*x^{12}+3*x^{11}+6*x^9+6*x^8+5*x^7+9*x^5+4*x^4+8*x^3+5*x^2+3*x+2)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A021429 8.06235 [  $-x^2*(8*x^8-3*x^6-5*x^5+7*x^4-3*x^3+2*x^2+x+2)/(x-1)/(x^8+1)$  ogf]  
A021433 12.5801 [  $-x^2*(x+2)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021433 18.1048  $-3*(1+x^4+2*x^3-2*x^2)/(x-1)/(x+2)/(x+1)/(x^2-x+1)$  lgdogf  
A021434 10.6535 [  $1/(x-1)/(3*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A021434 9.73162  $-(-17+190*x-597*x^2+480*x^3)/(x-1)/(3*x-1)/(-1+8*x)/(5*x-1)$  lgdogf  
A021436 12.5264 [  $-x^2*(5*x^4+2*x^3+x^2+3*x+2)/(x-1)/(x^2+x+1)$  ogf]  
A021436 12.5728  $(-3-2*x+5*x^6-x^4-26*x^3-12*x^2)/(x-1)/(x^2+x+1)/(5*x^4+2*x^3+x^2+3*x+2)$  lgdogf  
A021442 6.96337  $-(2+16*x+4*x^{11}+15*x^{10}+48*x^9+14*x^8+16*x^7+30*x^5+4*x^3+10*x^{13}+9*x^2)/(x-1)/(x+1)/(x^2+1)/(5*x^6+x^4+3*x^3+8*x^2+2*x+2)/(x^4+1)$  lgdogf  
A021442 9.92773 [  $-x^2*(5*x^6+x^4+3*x^3+8*x^2+2*x+2)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A021444 16.0426 [  $-x^2*(5*x^2+2*x+2)/(x-1)/(x+1)$  ogf]  
A021444 22.6310  $-2*(1+7*x+x^2)/(x-1)/(x+1)/(5*x^2+2*x+2)$  lgdogf  
A021444 8.62669 [  $\{-a(n+5)+a(n+3), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 2, a(4) = 7\}$ , ogf]  
A021448 15.8814  $-(2+10*x+5*x^4+4*x^3+6*x^2)/(x-1)/(x^2+x+1)/(5*x^2+2*x+2)$  lgdogf  
A021448 16.0426 [  $-x^2*(5*x^2+2*x+2)/(x-1)/(x^2+x+1)$  ogf]  
A021448 8.62669 [  $\{-a(n+5)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 2, a(4) = 5\}$ , ogf]  
A021452 7.18443  $(-2-2*x+15*x^{10}-26*x^9+13*x^8+22*x^7-50*x^6+32*x^5-22*x^4-2*x^3+4*x^2)/(x-1)/(x+1)/(5*x^7-3*x^6+4*x^5-x^4+x^3+x^2+2)/(x^2-x+1)$  lgdogf  
A021452 9.05375 [  $-x^2*(5*x^7-3*x^6+4*x^5-x^4+x^3+x^2+2)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021453 5.76703 [  $-x^2*(x^{14}+4*x^{13}+4*x^{12}-2*x^{11}-7*x^9+5*x^8+3*x^7-6*x^6+6*x^5-6*x^4+5*x^3+2)/(x-1)/(x^{16}+1)$  ogf]  
A021454 8.96505  $-2*(-9+104*x+270*x^3-333*x^2)/(x-1)/(3*x-1)/(9*x-1)/(5*x-1)$  lgdogf  
A021454 9.65177 [  $1/(x-1)/(3*x-1)/(9*x-1)/(5*x-1)$  ogf]  
A021455 8.48691 [  $-x^2*(9*x^7+4*x^6+9*x^5+2*x^4+7*x^3+x^2+2*x+2)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A021459 12.1871 [  $-x^2*(8*x^2-x+2)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021459 12.7498  $-(1+16*x+16*x^5-11*x^4+10*x^3-14*x^2)/(x-1)/(x+1)/(x^2-x+1)/(8*x^2-x+2)$  lgdogf  
A021464 9.20999  $-(-19+226*x-735*x^2+600*x^3)/(x-1)/(3*x-1)/(5*x-1)/(10*x-1)$  lgdogf  
A021464 9.90984 [  $1/(x-1)/(3*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A021466 12.1871 [  $-x^2*(5*x^2-x+2)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021466 12.9320  $-(1+10*x+10*x^5-8*x^4+10*x^3-11*x^2)/(x-1)/(x+1)/(x^2-x+1)/(5*x^2-x+2)$  lgdogf  
A021469 6.12683 [  $-x^2*(6*x^{13}+8*x^{12}+4*x^{10}+4*x^9+3*x^8+6*x^7+7*x^6+3*x^5+5*x^4+5*x^2+x+2)/(x-1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)$  ogf]  
A021472 13.2526 [  $-x^2*(5*x^2-3*x+2)/(x-1)/(x^2-x+1)$  ogf]  
A021472 16.1650  $-(1+2*x+5*x^4-6*x^3+2*x^2)/(x-1)/(x^2-x+1)/(5*x^2-3*x+2)$  lgdogf  
A021472 6.43964 [  $\{a(n+5)-2*a(n+4)+2*a(n+3)-a(n+2), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 1, a(4) = 3\}$ , ogf]  
A021474 8.25953  $-4*(-5+61*x+165*x^3-201*x^2)/(x-1)/(3*x-1)/(5*x-1)/(11*x-1)$  lgdogf  
A021474 8.90438 [  $1/(x-1)/(3*x-1)/(5*x-1)/(11*x-1)$  ogf]  
A021478 6.85374 [  $-x^2*(5*x^{11}+3*x^{10}+x^9+4*x^8+6*x^7+4*x^6+7*x^4+9*x^3+x+2)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A021479 6.92858 [  $-x^2*(4*x^9+4*x^8-2*x^7-3*x^6+4*x^5-3*x^4+5*x^3-x^2-x+2)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]

A021481 7.16670 [  $-x^2*(7*x^{10}+8*x^9+5*x^8+6*x^6+3*x^5+4*x^4+6*x^3+9*x^2+2)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A021482 11.1697 [  $-x^2*(5*x^5+2*x^3+9*x^2+2)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A021482 9.05239  $-x*(18+10*x^{10}+8*x^8+45*x^7+14*x^5+25*x^3+6*x)/(x-1)/(5*x^5+2*x^3+9*x^2+2)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A021484 8.40519  $-(-21+262*x+720*x^3-873*x^2)/(x-1)/(3*x-1)/(5*x-1)/(-1+12*x)$  lgdogf  
A021484 9.20793 [  $1/(x-1)/(3*x-1)/(5*x-1)/(12*x-1)$  ogf]  
A021485 11.7563  $-x*(14+27*x^5-26*x^4+25*x^3-12*x^2-x)/(x-1)/(x^2+x+1)/(x^2-x+1)/(9*x^2-2*x+2)$  lgdogf  
A021485 8.16309 [  $-x^2*(9*x^2-2*x+2)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021488 6.62960 [  $-x^2*(5*x^{11}+2*x^{10}+2*x^9-7*x^8+2*x^7+4*x^6-5*x^4+6*x^2-2*x+2)/(x-1)/(x+1)/(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A021494 10.4394 [  $1/(x-1)/(6*x-1)/(3*x-1)/(7*x-1)$  ogf]  
A021494 9.53200  $-(-17+194*x-621*x^2+504*x^3)/(x-1)/(6*x-1)/(-1+3*x)/(7*x-1)$  lgdogf  
A021496 10.1712  $-x*(x+1)*(5*x^6-x^5+10*x^4-10*x^3+20*x^2+6)/(x-1)/(x^4+x^3+x^2+x+1)/(5*x^4+2*x^3+3*x^2+2)$  lgdogf  
A021496 12.6542 [  $-x^2*(5*x^4+2*x^3+3*x^2+2)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A021498 7.06645 [  $-x^2*(5*x^8+3*x^7-8*x^6+7*x^5-2*x^4+2*x^3+2*x^2-2*x+2)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A021499 17.6824 [  $-2*x^2/(x-1)/(x+1)$  ogf]  
A021499 44.7682 [[x] ogf\_with\_Euler\_transform]  
A021499 47.6059  $-2*x/(x-1)/(x+1)$  lgdogf  
A021499 7.11610 [  $\{-a(n+3)+a(n+1), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A021503 8.62294  $-2*(-9+107*x+288*x^3-351*x^2)/(x-1)/(-1+6*x)/(3*x-1)/(8*x-1)$  lgdogf  
A021503 9.44532 [  $1/(x-1)/(6*x-1)/(3*x-1)/(8*x-1)$  ogf]  
A021504 9.11201  $-(-19+234*x-783*x^2+648*x^3)/(x-1)/(6*x-1)/(-1+3*x)/(9*x-1)$  lgdogf  
A021504 9.80661 [  $1/(x-1)/(6*x-1)/(3*x-1)/(9*x-1)$  ogf]  
A021508 11.8757 [  $-x^2*(5*x^3-8*x^2+7*x+1)/(x-1)/(x^2-x+1)$  ogf]  
A021508 14.1444  $-(9-20*x+2*x^4-6*x^3+20*x^2)/(x-1)/(x^2-x+1)/(5*x^3-8*x^2+7*x+1)$  lgdogf  
A021509 13.1827 [  $-x^2*(8*x+1)/(x^2+1)/(x-1)$  ogf]  
A021509 21.0521  $-(9-2*x+16*x^3-5*x^2)/(x-1)/(8*x+1)/(x^2+1)$  lgdogf  
A021509 6.18574 [  $\{a(n+4)-a(n+3)+a(n+2)-a(n+1), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 9\}$ , ogf]  
A021510 6.35991 [  $-x^2*(5*x^{10}-4*x^9+3*x^8+x^7-4*x^6+6*x^5-4*x^4-x^3-2*x^2+8*x+1)/(x-1)/(x+1)/(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A021514 8.90803  $-2*(-10+127*x-432*x^2+360*x^3)/(x-1)/(6*x-1)/(3*x-1)/(10*x-1)$  lgdogf  
A021514 9.90984 [  $1/(x-1)/(6*x-1)/(3*x-1)/(10*x-1)$  ogf]  
A021516 12.9320  $(9+10*x+30*x^5+10*x^4+4*x^3+9*x^2)/(5*x^2+1+9*x+x^4+3*x^3+5*x^6+2*x^5)$  lgdogf  
A021522 8.25145 [  $-x^2*(5*x^3-5*x^2+8*x+1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021522 9.42957  $-(9-12*x+10*x^7-20*x^6+42*x^5-19*x^4+2*x^3+15*x^2)/(x-1)/(x^2+x+1)/(x^2-x+1)/(5*x^3-5*x^2+8*x+1)$  lgdogf  
A021524 8.35557  $-(-21+274*x+792*x^3-945*x^2)/(x-1)/(6*x-1)/(3*x-1)/(11*x-1)$  lgdogf  
A021524 9.00555 [  $1/(x-1)/(6*x-1)/(3*x-1)/(11*x-1)$  ogf]  
A021529 11.5193 [  $-x^2*(6*x^5+7*x^4+4*x^3+9*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021529 7.73708  $-(9+6*x^{10}+14*x^9+12*x^8+45*x^6+6*x^5+30*x^4+28*x^3+12*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(6*x^5+7*x^4+4*x^3+9*x+1)$  lgdogf  
A021532 14.0681 [  $x^2*(5*x^3-8*x^2-8*x-1)/(x-1)/(x+1)$  ogf]  
A021532 17.4084  $(8+18*x+5*x^4-7*x^2)/(x-1)/(x+1)/(5*x^3-8*x^2-8*x-1)$  lgdogf  
A021534 8.04991  $-2*(-11+147*x+432*x^3-513*x^2)/(x-1)/(-1+6*x)/(3*x-1)/(-1+12*x)$  lgdogf  
A021534 9.25852 [  $1/(x-1)/(6*x-1)/(3*x-1)/(12*x-1)$  ogf]

A021536 7.04585 [  $-x^2*(5*x^9+2*x^8-7*x^7+3*x^5-3*x^4+2*x^3-x^2+7*x+1)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A021544 9.01995  $-(19+238*x+672*x^3-807*x^2)/(x-1)/(3*x-1)/(8*x-1)/(7*x-1)$  lgdogf  
A021544 9.54854 [  $1/(x-1)/(3*x-1)/(8*x-1)/(7*x-1)$  ogf]  
A021546 10.5260  $-(8+8*x+10*x^7+12*x^6+32*x^5+5*x^4+15*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(5*x^3+4*x^2+8*x+1)$  lgdogf  
A021546 12.7250 [  $-x^2*(5*x^3+4*x^2+8*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A021548 6.11626 [  $-x^2*(5*x^{11}-8*x^{10}+2*x^9+8*x^8-3*x^7+2*x^6+x^5-6*x^4+5*x^3-5*x^2+7*x+1)/(x-1)/(x^8+1)$  ogf]  
A021550 10.0582  $-(8-10*x+10*x^7-17*x^6+36*x^5-15*x^4+15*x^2)/(x-1)/(x^2+x+1)/(x^2-x+1)/(5*x^3-4*x^2+7*x+1)$  lgdogf  
A021550 9.04201 [  $-x^2*(5*x^3-4*x^2+7*x+1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021552 10.7580 [  $-x^2*(5*x^4+2*x^3-6*x^2+7*x+1)/(x-1)/(x^4+1)$  ogf]  
A021552 9.42957  $-(8-12*x+5*x^8+4*x^7-20*x^6+40*x^5-31*x^4+12*x^3+12*x^2)/(x-1)/(5*x^4+2*x^3-6*x^2+7*x+1)/(x^4+1)$  lgdogf  
A021554 18.6618 [  $-x^2*(8*x+1)/(x-1)/(x+1)$  ogf]  
A021554 26.6247  $-2*(4+x+4*x^2)/(x-1)/(8*x+1)/(x+1)$  lgdogf  
A021554 9.72797 [  $\{a(n+4)-a(n+2), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 8\}$ , ogf]  
A021559 15.6609 [  $-x^2*(8*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A021559 22.0790  $-(8+16*x^3+3*x^2)/(x-1)/(8*x+1)/(x^2+x+1)$  lgdogf  
A021559 8.16367 [  $\{a(n+4)-a(n+1), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 8\}$ , ogf]  
A021564 8.53999  $(7+2*x+5*x^8-10*x^7+6*x^6+22*x^5-32*x^4+28*x^3-10*x^2)/(x-1)/(x+1)/(x^2-x+1)/(5*x^5-8*x^4+2*x^3-x^2-6*x-1)$  lgdogf  
A021564 9.83257 [  $x^2*(5*x^5-8*x^4+2*x^3-x^2-6*x-1)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021565 5.65320 [  $-x^2*(9*x^{13}+5*x^{12}+9*x^{11}+2*x^{10}+4*x^9+9*x^8+x^7+x^6+3*x^5+5*x^4+2*x^3+8*x^2+7*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A021566 5.32683 [  $-x^2*(5*x^{13}+4*x^{12}-6*x^{11}+6*x^{10}-3*x^9-x^8-5*x^7+4*x^6+2*x^5-6*x^4+2*x^3+6*x+1)/(x-1)/(x^2+1)/(x^{12}-x^{10}+x^8-x^6+x^4-x^2+1)$  ogf]  
A021576 10.9065  $-(7-6*x+5*x^6-6*x^5+21*x^4-18*x^3+15*x^2)/(x-1)/(x+1)/(x^2-x+1)/(5*x^3-3*x^2+6*x+1)$  lgdogf  
A021576 11.8757 [  $-x^2*(5*x^3-3*x^2+6*x+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A021579 5.93927 [  $-x^2*(2*x^{11}+3*x^{10}+x^9-x^8+4*x^7-3*x^6+2*x^5-8*x^4+6*x^3-4*x^2+6*x+1)/(x-1)/(x+1)/(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A021580 13.2526 [  $x^2*(5*x^4-3*x^3+4*x^2-6*x-1)/(x-1)$  ogf]  
A021580 15.0873  $(7-8*x+15*x^4-26*x^3+13*x^2)/(x-1)/(5*x^4-3*x^3+4*x^2-6*x-1)$  lgdogf  
A021584 5.34705 [  $-x^2*(5*x^{14}+x^{12}+3*x^{11}-x^{10}-2*x^9-6*x^8+2*x^7+4*x^6+2*x^5-3*x^4+2*x^3-5*x^2+6*x+1)/(x-1)/(x^2+1)/(x^{12}-x^{10}+x^8-x^6+x^4-x^2+1)$  ogf]  
A021588 9.33236  $-(7-12*x+7*x^8+2*x^7-19*x^6+16*x^5+6*x^4+2*x^3+9*x^2)/(x-1)/(5*x^5+2*x^4+x^3-6*x^2+6*x+1)/(x^4+1)$  lgdogf  
A021588 9.83257 [  $-x^2*(5*x^5+2*x^4+x^3-6*x^2+6*x+1)/(x-1)/(x^4+1)$  ogf]  
A021589 11.8059 [  $-x^2*(4*x^4+9*x^3+7*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021589 9.42957  $-(7+8*x^9+27*x^8+35*x^6+6*x^5+16*x^3+27*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(4*x^4+9*x^3+7*x+1)$  lgdogf  
A021594 9.36879  $-4*(-5+65*x-225*x^2+189*x^3)/(x-1)/(3*x-1)/(7*x-1)/(9*x-1)$  lgdogf  
A021594 9.90984 [  $1/(x-1)/(3*x-1)/(7*x-1)/(9*x-1)$  ogf]  
A021596 12.0698  $(6+16*x+5*x^6+8*x^4-8*x^3+27*x^2)/(x-1)/(x^2+x+1)/(5*x^4-8*x^3-8*x^2-6*x-1)$  lgdogf  
A021596 12.5264 [  $x^2*(5*x^4-8*x^3-8*x^2-6*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A021598 11.5193 [  $-x^2*(5*x^4+3*x^3+8*x^2+6*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021598 8.01096  $-(6+16*x+10*x^9+9*x^8+32*x^7+30*x^6+6*x^5+20*x^3+9*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(5*x^4+3*x^3+8*x^2+6*x+1)$  lgdogf  
A021604 9.20999  $-3*(-7+94*x-331*x^2+280*x^3)/(x-1)/(3*x-1)/(7*x-1)/(10*x-1)$



lgdogf  
 A021604 9.90984 [  $1/(x-1)/(3*x-1)/(7*x-1)/(10*x-1)$  ogf]  
 A021609 6.35991 [  $-x^2*(8*x^{10}-5*x^9+x^8+3*x^7-7*x^6+x^5+6*x^4-3*x^3-x^2+5*x+1)/(x-1)/(x+1)/(x^10-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
 A021610 13.1827 [  $-x^2*(5*x+1)/(x^2+1)/(x-1)$  ogf]  
 A021610 22.6310  $-2*(3-x+5*x^3-x^2)/(x-1)/(5*x+1)/(1+x^2)$  lgdogf  
 A021610 6.18574 [  $\{a(n+4)-a(n+3)+a(n+2)-a(n+1), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6\}$ , ogf]  
 A021612 6.06431 [  $-x^2*(5*x^{12}-3*x^{11}+4*x^{10}-x^9-4*x^8+2*x^7+3*x^6-4*x^5+3*x^4-2*x^2+5*x+1)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
 A021614 8.17451  $-2*(-11+152*x+462*x^3-543*x^2)/(x-1)/(7*x-1)/(3*x-1)/(11*x-1)$  lgdogf  
 A021614 9.10675 [  $1/(x-1)/(7*x-1)/(3*x-1)/(11*x-1)$  ogf]  
 A021616 5.50843 [ -  
 $x^2*(5*x^{15}+7*x^{14}+5*x^{13}+4*x^{12}+x^{10}+8*x^9+2*x^8+9*x^7+6*x^6+8*x^5+9*x^4+3*x^3+3*x^2+6*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
 A021619 10.6499  $-(6+4*x+12*x^7+6*x^6+24*x^5+5*x^4+18*x^2)/(x-1)/(6*x^3+2*x^2+6*x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
 A021619 12.7250 [  $-x^2*(6*x^3+2*x^2+6*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
 A021620 10.4050  $-(6-8*x+7*x^6-8*x^5+4*x^4+10*x^3+7*x^2)/(x-1)/(x+1)/(x^2-x+1)/(5*x^4+2*x^3-4*x^2+5*x+1)$  lgdogf  
 A021620 10.7580 [  $-x^2*(5*x^4+2*x^3-4*x^2+5*x+1)/(x^2-x+1)/(x-1)/(x+1)$  ogf]  
 A021628 10.5260  $(6-24*x+5*x^6-20*x^5+46*x^4-64*x^3+54*x^2)/(x-1)/(x^2-x+1)/(5*x^4-13*x^3+10*x^2-4*x-1)$  lgdogf  
 A021628 9.66560 [  $x^2*(5*x^4-13*x^3+10*x^2-4*x-1)/(x-1)/(x^2-x+1)$  ogf]  
 A021629 8.36029  $-(-23+326*x+1008*x^3-1179*x^2)/(x-1)/(7*x-1)/(3*x-1)/(12*x-1)$  lgdogf  
 A021629 9.30912 [  $1/(x-1)/(7*x-1)/(3*x-1)/(12*x-1)$  ogf]  
 A021631 5.20047 [  $-x^2*(7*x^{11}+3*x^{10}-3*x^9+5*x^8-x^7-x^6+5*x^5-x^4-x^3+8*x^2+5*x+1)/(x-1)/(x+1)/(x^6+x^3+1)/(x^6-x^3+1)$  ogf]  
 A021634 9.05649  $-(-21+286*x-1017*x^2+864*x^3)/(x-1)/(3*x-1)/(9*x-1)/(-1+8*x)$  lgdogf  
 A021634 9.90984 [  $1/(x-1)/(3*x-1)/(9*x-1)/(8*x-1)$  ogf]  
 A021636 6.16967 [ -  
 $x^2*(5*x^{13}+2*x^{12}+x^{11}+x^9+8*x^8+4*x^7+8*x^6+7*x^5+2*x^4+2*x^3+8*x^2+5*x+1)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
 A021640 6.74680 [ -  
 $x^2*(5*x^{12}+2*x^{11}+4*x^9+4*x^8+7*x^6+2*x^5+3*x^4+2*x^3+7*x^2+5*x+1)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
 A021644 8.76435  $-2*(-11+155*x-561*x^2+480*x^3)/(x-1)/(3*x-1)/(-1+8*x)/(10*x-1)$  lgdogf  
 A021644 9.90984 [  $1/(x-1)/(3*x-1)/(8*x-1)/(10*x-1)$  ogf]  
 A021645 4.92730 [ -  
 $x^2*(9*x^{14}-6*x^{13}-3*x^{12}+5*x^{11}+2*x^{10}+2*x^9-4*x^8+2*x^7-4*x^6+6*x^5-6*x^3+x^2+4*x+1)/(x-1)/(x^{16}+1)$  ogf]  
 A021652 8.07367 [  $-x^2*(5*x^9+7*x^8+8*x^7+9*x^6+2*x^4+3*x^3+4*x^2+5*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
 A021654 10.9065  $-(5-4*x+6*x^6-4*x^5+14*x^4-16*x^3+17*x^2)/(x-1)/(x+1)/(x^2-x+1)/(6*x^3-2*x^2+4*x+1)$  lgdogf  
 A021654 11.8757 [  $-x^2*(6*x^3-2*x^2+4*x+1)/(x^2-x+1)/(x-1)/(x+1)$  ogf]  
 A021660 7.41999  $(5+4*x+5*x^{10}+3*x^8+8*x^7+6*x^6-10*x^5+45*x^4+12*x^3+12*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(5*x^6-8*x^5-3*x^4-4*x^3-2*x^2-5*x-1)$  lgdogf  
 A021660 9.29351 [  $x^2*(5*x^6-8*x^5-3*x^4-4*x^3-2*x^2-5*x-1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
 A021661 10.2603 [  $-x^2*(7*x^5+2*x^3+2*x^2+5*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
 A021661 8.15530  $-(5+4*x+10*x^{10}+12*x^9+35*x^8+8*x^7+35*x^4+21*x^{12}+6*x^2)/(x-1)/(x+1)/(x^2+1)/(7*x^5+2*x^3+2*x^2+5*x+1)/(x^4+1)$  lgdogf  
 A021664 8.26740  $-(-23+334*x+1056*x^3-1227*x^2)/(x-1)/(3*x-1)/(11*x-1)/(8*x-1)$  lgdogf

A021664 9.20793 [  $1/(x-1)/(3*x-1)/(11*x-1)/(8*x-1)$  ogf]  
A021669 7.06645 [  $-x^2*(6*x^8-6*x^7+4*x^6-2*x^5+4*x^4+3*x^3-5*x^2+4*x+1)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A021670 15.6609 [  $-x^2*(5*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A021670 22.0790  $-(5+10*x^3+3*x^2)/(x-1)/(5*x+1)/(x^2+x+1)$  lgdogf  
A021670 8.16367 [  $\{a(n+4)-a(n+1), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 5\}$ , ogf]  
A021674 8.36029  $-2*(-12+179*x+576*x^3-666*x^2)/(x-1)/(3*x-1)/(12*x-1)/(8*x-1)$  lgdogf  
A021674 9.30912 [  $1/(x-1)/(3*x-1)/(12*x-1)/(8*x-1)$  ogf]  
A021676 8.58068 [  $x^2*(5*x^8+2*x^7-4*x^6-9*x^5-8*x^3-8*x^2-4*x-1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021679 15.8814  $-(4+16*x+8*x^4+8*x^3+3*x^2)/(x-1)/(x^2+x+1)/(8*x^2+4*x+1)$  lgdogf  
A021679 16.0426 [  $-x^2*(8*x^2+4*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A021679 8.62669 [  $\{-a(n+5)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 4, a(4) = 8\}$ , ogf]  
A021684 8.17451  $-(-23+338*x+1080*x^3-1251*x^2)/(x-1)/(3*x-1)/(9*x-1)/(10*x-1)$  lgdogf  
A021684 9.10675 [  $1/(x-1)/(3*x-1)/(9*x-1)/(10*x-1)$  ogf]  
A021689 11.1596 [  $-x^2*(4*x^3+x^2+3*x+1)/(x-1)/(x^4+1)$  ogf]  
A021689 11.7563  $-(4+2*x+8*x^7-x^6+10*x^5-4*x^4-12*x^3+11*x^2)/(x-1)/(4*x^3+x^2+3*x+1)/(x^4+1)$  lgdogf  
A021694 8.64369  $-4*(-6+91*x+297*x^3-342*x^2)/(x-1)/(9*x-1)/(3*x-1)/(11*x-1)$  lgdogf  
A021694 9.30912 [  $1/(x-1)/(9*x-1)/(3*x-1)/(11*x-1)$  ogf]  
A021697 12.5801 [  $-x^2*(3*x+1)/(x^2-x+1)/(x-1)/(x+1)$  ogf]  
A021697 17.4084  $-(4+9*x^4-2*x^3-3*x^2)/(x-1)/(3*x+1)/(x+1)/(x^2-x+1)$  lgdogf  
A021704 8.45318  $-(-25+390*x+1296*x^3-1485*x^2)/(x-1)/(3*x-1)/(12*x-1)/(9*x-1)$  lgdogf  
A021704 9.41030 [  $1/(x-1)/(3*x-1)/(12*x-1)/(9*x-1)$  ogf]  
A021706 9.04201 [  $-x^2*(5*x^3-x^2+3*x+1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021706 9.73375  $-2*(x+1)*(5*x^6-9*x^5+16*x^4-16*x^3+12*x^2-4*x+2)/(x-1)/(x^2+x+1)/(x^2-x+1)/(5*x^3-x^2+3*x+1)$  lgdogf  
A021708 11.0395  $(-4-4*x+15*x^6+4*x^5-29*x^4-8*x^3+8*x^2)/(x-1)/(x+1)/(5*x^5+2*x^4-4*x^3+x^2+4*x+1)$  lgdogf  
A021708 11.2325 [  $-x^2*(5*x^5+2*x^4-4*x^3+x^2+4*x+1)/(x-1)/(x+1)$  ogf]  
A021710 4.77998 [  $-x^2*(5*x^15-4*x^14+8*x^13-9*x^11+5*x^10-5*x^9+4*x^8+5*x^7-3*x^6-x^5-2*x^4+5*x^3-3*x^2+3*x+1)/(x-1)/(x^16+1)$  ogf]  
A021714 8.13986  $-(-25+394*x+1320*x^3-1509*x^2)/(x-1)/(3*x-1)/(-1+10*x)/(11*x-1)$  lgdogf  
A021714 9.35971 [  $1/(x-1)/(3*x-1)/(10*x-1)/(11*x-1)$  ogf]  
A021715 7.23306 [  $-x^2*(9*x^10+6*x^8+7*x^7+9*x^6+6*x^5+4*x^4+6*x^3+4*x+1)/(x-1)/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A021719 12.1871 [  $-x^2*(6*x^2+2*x+1)/(x^2-x+1)/(x-1)/(x+1)$  ogf]  
A021719 15.6076  $-3*(1+4*x+4*x^5-3*x^2)/(x-1)/(x+1)/(x^2-x+1)/(6*x^2+2*x+1)$  lgdogf  
A021721 10.8269 [  $-x^2*(7*x^4+4*x^3+9*x^2+3*x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A021721 7.80378  $-(3+18*x+21*x^10+16*x^9+45*x^8+18*x^7+7*x^6+28*x^3+12*x^2)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(7*x^4+4*x^3+9*x^2+3*x+1)$  lgdogf  
A021724 9.56209 [  $1/(x-1)/(3*x-1)/(12*x-1)/(10*x-1)$  ogf]  
A021729 5.34705 [  $-x^2*(4*x^14-2*x^13+5*x^12-6*x^11+4*x^10+x^8+3*x^7-x^6-2*x^5-6*x^4+2*x^3+4*x^2+2*x+1)/(x-1)/(x^2+1)/(x^12-x^10+x^8-x^6+x^4-x^2+1)$  ogf]  
A021732 10.1712  $-(3+8*x+2*x^6+8*x^5-13*x^4+26*x^3-16*x^2)/(x-1)/(x+1)/(x^2-x+1)/(5*x^4-3*x^3+4*x^2+2*x+1)$  lgdogf  
A021732 10.7580 [  $-x^2*(5*x^4-3*x^3+4*x^2+2*x+1)/(x^2-x+1)/(x-1)/(x+1)$  ogf]  
A021734 7.46811  $-(-27+454*x+1584*x^3-1791*x^2)/(x-1)/(3*x-1)/(12*x-1)/(11*x-1)$  lgdogf  
A021734 8.46630 [  $1/(x-1)/(3*x-1)/(12*x-1)/(11*x-1)$  ogf]  
A021742 10.4050  $-(3+10*x+10*x^7+15*x^6+12*x^5+5*x^4+15*x^2)/(x-1)/$

$(5x^3+5x^2+3x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A021742 12.7250 [  $-x^2*(5x^3+5x^2+3x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A021744 9.08285  $-2*(-8+89x+240x^3-291x^2)/(x-1)/(6x-1)/(-1+4x)/(5x-1)$  lgdogf  
A021744 9.95756 [  $1/(x-1)/(6x-1)/(4x-1)/(5x-1)$  ogf]  
A021752 5.37899 [ -  
 $x^2*(5x^{15}+2x^{14}+9x^{13}+x^{12}+2x^{11}+7x^{10}+5x^9+9x^8+3x^7+8x^6+9x^5+8x^4$   
 $+6x^3+3x^2+3x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A021754 11.5184  $-(-17+198x-669x^2+560x^3)/(-1+x)/(-1+4x)/(7x-1)/(5x-1)$  lgdogf  
A021754 12.7870 [  $1/(x-1)/(4x-1)/(7x-1)/(5x-1)$  ogf]  
A021760 9.14382  $-(3-2x+5x^8+4x^7-7x^6+18x^5-14x^4+16x^3+7x^2)/(x-1)/(x^2+x+1)/(x^2-x+1)/(5x^4+2x^3+2x+1)$  lgdogf  
A021760 9.83257 [  $-x^2*(5x^4+2x^3+2x+1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021764 10.5684 [  $1/(x-1)/(4x-1)/(8x-1)/(5x-1)$  ogf]  
A021764 9.83144  $-2*(-9+109x+320x^3-378x^2)/(x-1)/(4x-1)/(8x-1)/(5x-1)$  lgdogf  
A021769 5.61625 [ -  
 $x^2*(6x^{14}+6x^{13}+3x^{12}+8x^{11}+4x^{10}+2x^9+4x^8+5x^7+9x^6+8x^5+x^4+7x^3+3x^2+3x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A021772 9.75500 [  $1/(x-1)/(4x-1)/(9x-1)/(5x-1)$  ogf]  
A021774 8.76435  $-2*(-10+129x-465x^2+400x^3)/(x-1)/(-1+4x)/(5x-1)/(10x-1)$  lgdogf  
A021774 9.90984 [  $1/(x-1)/(4x-1)/(5x-1)/(10x-1)$  ogf]  
A021781 11.4587  $-(2+12x+21x^6-10x^5+9x^4-2x^3-5x^2)/(x-1)/(x^2+x+1)/(x^2-x+1)/(7x^2+x+1)$  lgdogf  
A021781 9.02806 [  $-x^2*(7x^2+x+1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021784 8.16909  $-(-21+278x+880x^3-1017x^2)/(x-1)/(5x-1)/(4x-1)/(11x-1)$  lgdogf  
A021784 8.95496 [  $1/(x-1)/(5x-1)/(4x-1)/(11x-1)$  ogf]  
A021794 8.17975  $-2*(-11+149x+480x^3-552x^2)/(x-1)/(5x-1)/(-1+12x)/(4x-1)$  lgdogf  
A021794 9.25852 [  $1/(x-1)/(5x-1)/(12x-1)/(4x-1)$  ogf]  
A021796 16.0426 [  $-x^2*(5x^2+2x+1)/(x-1)/(x+1)$  ogf]  
A021796 22.6310  $-2*(1+6x+x^2)/(x-1)/(x+1)/(5x^2+2x+1)$  lgdogf  
A021796 8.62669 [  $\{-a(n+5)+a(n+3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2, a(4) = 6\}$ , ogf]  
A021799 6.58405 [ -  
 $x^2*(2x^{11}+2x^{10}+5x^9+3x^8+6x^7+x^6+6x^5+8x^4+7x^3+5x^2+2x+1)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A021802 5.59127 [ -  
 $x^2*(5x^{16}+2x^{13}+8x^{11}+2x^9+3x^8+8x^7+2x^6+3x^5+x^4+3x^3+5x^2+2x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A021804 10.3055 [  $1/(x-1)/(6x-1)/(4x-1)/(7x-1)$  ogf]  
A021804 9.58191  $-6*(-3+37x-131x^2+112x^3)/(x-1)/(6x-1)/(-1+4x)/(7x-1)$  lgdogf  
A021807 10.5260  $-(2+8x+9x^8+12x^7+7x^6-9x^4-4x^3+11x^2)/(x-1)/(x+1)/(3x^3+3x^2+2x+1)/(x^4+1)$  lgdogf  
A021807 9.92773 [  $-x^2*(3x^3+3x^2+2x+1)/(x-1)/(x+1)/(x^4+1)$  ogf]  
A021812 11.8757 [  $-x^2*(5x^3+2x^2+x+1)/(x^2+1)/(x-1)$  ogf]  
A021812 15.3430  $-(2+2x+7x^4-8x^3+15x^2)/(x-1)/(x^2+1)/(5x^3+2x^2+x+1)$  lgdogf  
A021814 8.81808  $-(-19+244x+768x^3-888x^2)/(x-1)/(6x-1)/(-1+4x)/(8x-1)$  lgdogf  
A021814 9.49693 [  $1/(x-1)/(6x-1)/(4x-1)/(8x-1)$  ogf]  
A021817 12.9792 [  $-x^2*(3x^2+2x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A021817 14.1444  $-(2+6x+9x^6+8x^5+5x^4)/(x-1)/(3x^2+2x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A021818 11.5193 [  $-x^2*(5x^4+8x^3+2x^2+2x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021818 8.01096  $-2*(1+2x+5x^9+12x^8+4x^7+5x^6+3x^5+10x^3+12x^2)/(x-1)/(x$

+1)/(x^2+x+1)/(x^2-x+1)/(5\*x^4+8\*x^3+2\*x^2+2\*x+1) lgdogf  
A021820 5.02507 [ -  
x^2\*(5\*x^17+2\*x^16+x^15+3\*x^14+4\*x^13+8\*x^12+7\*x^11+6\*x^9+9\*x^8+x^7+9\*x^5+4\*x^4+  
5\*x^3+2\*x^2+2\*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1) ogf]  
A021823 18.7167 [ -x^2/(x-1)/(x^2-x+1) ogf]  
A021823 23.2027 [x^5-x^2-x+2 ogf\_with\_Euler\_transform]  
A021823 30.1746 -(2-4\*x+3\*x^2)/(x-1)/(x^2-x+1) lgdogf  
A021823 6.97623 [{a(n+3)-2\*a(n+2)+2\*a(n+1)-a(n), a(0) = 0, a(1) = 0, a(2) = 1},  
ogf]  
A021824 8.90803 -2\*(-10+133\*x-495\*x^2+432\*x^3)/(x-1)/(6\*x-1)/(-1+4\*x)/(9\*x-1)  
lgdogf  
A021824 9.90984 [ 1/(x-1)/(6\*x-1)/(4\*x-1)/(9\*x-1) ogf]  
A021826 11.1596 [ -x^2\*(5\*x^3-x^2+x+1)/(x-1)/(x^4+1) ogf]  
A021826 12.5728 -2\*(1-x+5\*x^7-4\*x^6+3\*x^5+x^4-7\*x^3+8\*x^2)/(x-1)/(5\*x^3-x^2+x  
+1)/(x^4+1) lgdogf  
A021829 9.05649 -3\*(-7+96\*x-364\*x^2+320\*x^3)/(x-1)/(6\*x-1)/(-1+4\*x)/(10\*x-1)  
lgdogf  
A021829 9.90984 [ 1/(x-1)/(6\*x-1)/(4\*x-1)/(10\*x-1) ogf]  
A021834 8.12806 -2\*(-11+155\*x+528\*x^3-597\*x^2)/(x-1)/(6\*x-1)/(4\*x-1)/(11\*x-1)  
lgdogf  
A021834 9.05616 [ 1/(x-1)/(6\*x-1)/(4\*x-1)/(11\*x-1) ogf]  
A021836 7.71474 [ -x^2\*(5\*x^7+2\*x^6-9\*x^5+9\*x^4+2\*x^3-2\*x^2+x+1)/(x^2-x+1)/  
(x-1)/(x+1) ogf]  
A021840 7.95940 [ -x^2\*(5\*x^9+2\*x^8-5\*x^6+6\*x^5-5\*x^4-3\*x^3+8\*x^2+1)/(x-1)/(x  
+1)/(x^2-x+1)/(x^6-x^3+1) ogf]  
A021841 6.20684 [ -  
x^2\*(7\*x^12+2\*x^11+2\*x^10+3\*x^8+x^7+3\*x^6+4\*x^5+7\*x^4+4\*x^3+9\*x^2+x+1)/(x-1)/  
(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1) ogf]  
A021844 8.04991 -(-23+332\*x+1152\*x^3-1296\*x^2)/(x-1)/(-1+6\*x)/(-1+12\*x)/(4\*x-1)  
lgdogf  
A021844 9.25852 [ 1/(x-1)/(6\*x-1)/(12\*x-1)/(4\*x-1) ogf]  
A021854 8.48463 -2\*(-10+135\*x+448\*x^3-510\*x^2)/(x-1)/(8\*x-1)/(-1+7\*x)/(-1+4\*x)  
lgdogf  
A021854 9.60016 [ 1/(x-1)/(8\*x-1)/(7\*x-1)/(4\*x-1) ogf]  
A021862 13.7157 -(1+10\*x+10\*x^5-5\*x^4+4\*x^3-8\*x^2)/(x-1)/(x+1)/(x^2-x+1)/  
(5\*x^2+1) lgdogf  
A021862 13.7854 [ -x^2\*(5\*x^2+1)/(x^2-x+1)/(x-1)/(x+1) ogf]  
A021863 6.76991 [ -x^2\*(x^11+5\*x^10-2\*x^9+2\*x^8-x^7+3\*x^5-3\*x^4-2\*x^3+5\*x^2+1)/  
(x-1)/(x+1)/(x^12-x^11+x^10-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1) ogf]  
A021864 9.20999 -3\*(-7+98\*x-379\*x^2+336\*x^3)/(x-1)/(-1+4\*x)/(9\*x-1)/(7\*x-1)  
lgdogf  
A021864 9.90984 [ 1/(x-1)/(4\*x-1)/(9\*x-1)/(7\*x-1) ogf]  
A021868 10.2868 (1+10\*x+10\*x^7-3\*x^6-20\*x^4+14\*x^3+21\*x^2)/(x-1)/(x^2+x+1)/  
(5\*x^5-3\*x^4-6\*x^3-5\*x^2-x-1) lgdogf  
A021868 9.53062 [ x^2\*(5\*x^5-3\*x^4-6\*x^3-5\*x^2-x-1)/(x-1)/(x^2+x+1) ogf]  
A021874 8.76435 -2\*(-11+159\*x-627\*x^2+560\*x^3)/(x-1)/(-1+4\*x)/(7\*x-1)/(10\*x-1)  
lgdogf  
A021874 9.90984 [ 1/(x-1)/(4\*x-1)/(7\*x-1)/(10\*x-1) ogf]  
A021879 11.0395 -(1+6\*x+5\*x^6+6\*x^5-21\*x^4+30\*x^3-9\*x^2)/(x-1)/(x+1)/(x^2-x+1)/  
(6\*x^4-x^3+3\*x^2+1) lgdogf  
A021879 11.8757 [ -x^2\*(6\*x^4-x^3+3\*x^2+1)/(x^2-x+1)/(x-1)/(x+1) ogf]  
A021880 10.0582 -(1+6\*x+5\*x^8-6\*x^7+12\*x^6-6\*x^5-10\*x^4+22\*x^3-12\*x^2)/(x-1)/  
(5\*x^4-3\*x^3+3\*x^2+1)/(x^4+1) lgdogf  
A021880 11.8757 [ -x^2\*(5\*x^4-3\*x^3+3\*x^2+1)/(x-1)/(x^4+1) ogf]  
A021884 9.15734 [ 1/(x-1)/(7\*x-1)/(4\*x-1)/(11\*x-1) ogf]  
A021892 14.0681 [ -x^2\*(5\*x^3+2\*x^2+x+1)/(x-1)/(x^2+x+1) ogf]  
A021892 14.8400 -(1+4\*x+2\*x^4+2\*x^3+18\*x^2)/(x-1)/(x^2+x+1)/(5\*x^3+2\*x^2+x+1)  
lgdogf  
A021894 8.49963 -6\*(-4+61\*x+224\*x^3-248\*x^2)/(x-1)/(7\*x-1)/(12\*x-1)/(-1+4\*x)  
lgdogf  
A021894 9.30912 [ 1/(x-1)/(7\*x-1)/(12\*x-1)/(4\*x-1) ogf]

A021900 8.91994 [  $-x^2*(5*x^8-3*x^7-x^6+7*x^5-6*x^4+6*x^3+1)/(x^2-x+1)/(x-1)/(x+1)$  ogf]  
A021902 5.61303 [  $-x^2*(5*x^{15}+2*x^{13}+2*x^{12}-x^{11}-5*x^{10}+2*x^9-3*x^8+2*x^7-3*x^6+3*x^5+2*x^4+2*x^3+1)/(x-1)/(x^{16}+1)$  ogf]  
A021904 8.76435  $-2*(-11+161*x-642*x^2+576*x^3)/(x-1)/(-1+4*x)/(9*x-1)/(-1+8*x)$  lgdogf  
A021904 9.90984 [  $1/(x-1)/(4*x-1)/(9*x-1)/(8*x-1)$  ogf]  
A021906 8.35477 [  $-x^2*(5*x^8+4*x^7+7*x^6+4*x^5+6*x^4+8*x^3+x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A021913 16.9235 [  $-x^2/(x^2+1)/(x-1)$  ogf]  
A021913 23.8734 [[ $x^3-x+1$ ] ogf\_with\_Euler\_transform]  
A021913 31.2151  $-(-2*x+1+3*x^2)/(x-1)/(1+x^2)$  lgdogf  
A021913 6.30785 [{ $a(n+3)-a(n+2)+a(n+1)-a(n)$ ,  $a(0) = 0$ ,  $a(1) = 0$ ,  $a(2) = 1$ }, ogf]  
A021914 8.62523  $-(-23+348*x-1416*x^2+1280*x^3)/(x-1)/(-1+4*x)/(-1+8*x)/(10*x-1)$  lgdogf  
A021914 9.90984 [  $1/(x-1)/(4*x-1)/(8*x-1)/(10*x-1)$  ogf]  
A021924 8.31385  $-2*(-12+187*x+704*x^3-774*x^2)/(x-1)/(4*x-1)/(11*x-1)/(8*x-1)$  lgdogf  
A021924 9.25852 [  $1/(x-1)/(4*x-1)/(11*x-1)/(8*x-1)$  ogf]  
A021928 11.5193 [  $-x^2*(5*x^5+2*x^4+2*x^3+8*x^2+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021928 7.87164  $-x*(16+5*x^9+4*x^8+6*x^7+32*x^6+6*x^4+25*x^3+8*x^2+6*x)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(5*x^5+2*x^4+2*x^3+8*x^2+1)$  lgdogf  
A021929 15.6609 [  $-x^2*(8*x^2+1)/(x-1)/(x^2+x+1)$  ogf]  
A021929 21.0521  $-x*(16+8*x^3+3*x)/(x-1)/(x^2+x+1)/(8*x^2+1)$  lgdogf  
A021929 7.30843 [{ $a(n+5)-a(n+2)$ ,  $a(0) = 0$ ,  $a(1) = 0$ ,  $a(2) = 1$ ,  $a(3) = 0$ ,  $a(4) = 8$ }, ogf]  
A021934 6.12683 [  $-x^2*(3*x^{13}+4*x^{12}+2*x^{10}+7*x^9+x^8+8*x^7+8*x^6+6*x^5+2*x^4+5*x^3+7*x^2+1)/(x-1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)$  ogf]  
A021939 5.61625 [  $-x^2*(4*x^{14}+5*x^{13}+7*x^{12}+7*x^{11}+5*x^{10}+6*x^9+x^8+7*x^7+8*x^6+x^5+5*x^4+9*x^3+6*x^2+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A021940 7.71474 [  $-x^2*(5*x^5+2*x^4+x^3+7*x^2-x+1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021940 9.63020  $-x*(12+7*x^7-8*x^6+33*x^5-34*x^4+35*x^3)/(x-1)/(x^2+x+1)/(x^2-x+1)/(5*x^5+2*x^4+x^3+7*x^2-x+1)$  lgdogf  
A021944 8.27115  $-(-25+400*x+1536*x^3-1680*x^2)/(x-1)/(8*x-1)/(12*x-1)/(-1+4*x)$  lgdogf  
A021944 9.35971 [  $1/(x-1)/(8*x-1)/(12*x-1)/(4*x-1)$  ogf]  
A021949 10.5260  $-2*x*(5+2*x^6+8*x^5-8*x^4+8*x^3-5*x^2+2*x)/(x-1)/(x^2+x+1)/(x^2-x+1)/(2*x^3+6*x^2-x+1)$  lgdogf  
A021949 8.25145 [  $-x^2*(2*x^3+6*x^2-x+1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A021952 6.71033 [  $-x^2*(5*x^{12}+7*x^{11}+6*x^{10}+2*x^8+3*x^7+2*x^6+5*x^5+8*x^4+4*x^3+5*x^2+1)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A021954 8.84757  $-6*(5*x-1)*(48*x^2-43*x+4)/(x-1)/(4*x-1)/(9*x-1)/(10*x-1)$  lgdogf  
A021954 9.20793 [  $1/(x-1)/(4*x-1)/(9*x-1)/(10*x-1)$  ogf]  
A021958 6.89268 [  $-x^2*(5*x^{11}+3*x^{10}+9*x^9+2*x^8+8*x^6+x^5+2*x^4+8*x^3+4*x^2+1)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A021960 10.7639 [  $-x^2*(5*x^6+2*x^5+6*x^3+4*x^2+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A021960 7.60705  $-x*(8+5*x^{11}+4*x^{10}+24*x^8+20*x^7+7*x^5+30*x^4+10*x^3+18*x)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(5*x^6+2*x^5+6*x^3+4*x^2+1)$  lgdogf  
A021964 8.22545  $-(-25+406*x+1584*x^3-1725*x^2)/(x-1)/(9*x-1)/(-1+4*x)/(11*x-1)$  lgdogf  
A021964 9.30912 [  $1/(x-1)/(9*x-1)/(4*x-1)/(11*x-1)$  ogf]  
A021966 10.2868  $-x*(x+2)*(10*x^5-13*x^4+14*x^3-11*x^2+6*x+3)/(x-1)/(x^2+x+1)/(x^2-x+1)/(5*x^3+4*x^2-x+1)$  lgdogf  
A021966 8.25145 [  $-x^2*(5*x^3+4*x^2-x+1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]

A021972 5.86809 [ -  
 $x^2 \cdot (5x^{12} + 2x^{11} + x^{10} - 4x^9 - 3x^8 + x^7 + 2x^6 + 5x^5 - 3x^4 + 3x^2 - x + 1) / (x-1) / (x+1) / (x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)$  ogf]  
A021974 8.31684  $-2 \cdot (-13 + 217x + 864x^2 - 936x^3) / (x-1) / (9x-1) / (12x-1) / (-1+4x)$  lgdogf  
A021974 9.41030 [  $1 / (x-1) / (9x-1) / (12x-1) / (4x-1)$  ogf]  
A021979 12.1871 [  $-x^2 \cdot (4x^2 - 2x + 1) / (x-1) / (x^2 - x + 1)$  ogf]  
A021979 18.1048  $-x \cdot (4 + 4x^3 - 4x^2 - x) / (x-1) / (x^2 - x + 1) / (4x^2 - 2x + 1)$  lgdogf  
A021979 5.96388 [  $\{a(n+5) - 2a(n+4) + 2a(n+3) - a(n+2), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 0, a(4) = 2\}$ , ogf]  
A021984 8.01267  $-2 \cdot (-13 + 219x + 880x^2 - 951x^3) / (x-1) / (-1+10x) / (-1+4x) / (11x-1)$  lgdogf  
A021984 9.35971 [  $1 / (x-1) / (10x-1) / (4x-1) / (11x-1)$  ogf]  
A021988 11.2675 [  $-x^2 \cdot (5x^5 + 2x^4 + 6x^3 + x^2 + 1) / (x-1) / (x^4 + x^3 + x^2 + x + 1)$  ogf]  
A021988 9.73375  $-x \cdot (2 + 30x^3 + 8x^2 + 2x^7 + 12x^6 + 3x^5 + 18x) / (x-1) / (x^4 + x^3 + x^2 + x + 1) / (5x^5 + 2x^4 + 6x^3 + x^2 + 1)$  lgdogf  
A021992 6.92858 [  $-x^2 \cdot (5x^9 - 3x^8 + 2x^7 + x^6 + 3x^5 - x^4 + x^3 + x^2 - x + 1) / (x-1) / (x+1) / (x^2 - x + 1) / (x^6 - x^3 + 1)$  ogf]  
A021994 9.56209 [  $1 / (x-1) / (12x-1) / (10x-1) / (4x-1)$  ogf]  
A022000 7.23473  $-2 \cdot (-14 + 251x + 1056x^2 - 1128x^3) / (x-1) / (12x-1) / (4x-1) / (11x-1)$  lgdogf  
A022000 8.46630 [  $1 / (x-1) / (12x-1) / (4x-1) / (11x-1)$  ogf]  
A022003 21.3911 [  $-x^2 / (x-1) / (x^2 + x + 1)$  ogf]  
A022003 36.4101 [  $[x^2]$  ogf\_with\_Euler\_transform]  
A022003 41.1472  $-3x^2 / (x-1) / (x^2 + x + 1)$  lgdogf  
A022003 8.38299 [  $\{a(n+3) - a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A022015 6.93745  $-(6 + 14x + 28x^2 + 19x^3 + 17x^4 + 6x^5 + 3x^6) / (x+1) / (x^2 + 2) / (3x^4 + 2x^3 + 3x^2 + 2x - 1)$  lgdogf  
A022015 7.55303 [  $-(x+1) \cdot (x^2 + 2) / (3x^4 + 2x^3 + 3x^2 + 2x - 1)$  ogf]  
A022018 12.0338  $-2 \cdot (8 + x - 8x^2 + 2x^4) / (x^2 - 2) / (4x^3 - x^2 - 8x + 1)$  lgdogf  
A022018 12.3383 [  $-(x^2 - 2) / (4x^3 - x^2 - 8x + 1)$  ogf]  
A022018 6.11551 [  $\{a(n+3) - 8a(n+2) - a(n+1) + 4a(n), a(0) = 2, a(1) = 16, a(2) = 129\}$ , ogf]  
A022019 4.20669 [  $\{a(n+3) - 16a(n+2) - a(n+1) + 8a(n), a(0) = 2, a(1) = 32, a(2) = 513\}$ , ogf]  
A022019 8.41338 [  $-(x^2 - 2) / (8x^3 - x^2 - 16x + 1)$  ogf]  
A022019 9.73236  $-2 \cdot (16 + x + 4x^4 - 16x^2) / (x^2 - 2) / (8x^3 - x^2 - 16x + 1)$  lgdogf  
A022021 11.3338  $-(20 + 2x - 29x^2 + 12x^4) / (4x^2 - 5) / (3x^3 - x^2 - 4x + 1)$  lgdogf  
A022021 13.5532 [  $-(4x^2 - 5) / (3x^3 - x^2 - 4x + 1)$  ogf]  
A022021 6.77659 [  $\{-a(n+3) + 4a(n+2) + a(n+1) - 3a(n), a(0) = 5, a(1) = 20, a(2) = 81\}$ , ogf]  
A022022 10.5413  $-(45 + 2x - 69x^2 + 28x^4) / (4x^2 - 5) / (7x^3 - x^2 - 9x + 1)$  lgdogf  
A022022 13.3532 [  $-(4x^2 - 5) / (7x^3 - x^2 - 9x + 1)$  ogf]  
A022022 6.61852 [  $\{-a(n+3) + 9a(n+2) + a(n+1) - 7a(n), a(0) = 5, a(1) = 45, a(2) = 406\}$ , ogf]  
A022023 10.4557  $-(30 + 2x - 47x^2 + 20x^4) / (5x^2 - 6) / (4x^3 - x^2 - 5x + 1)$  lgdogf  
A022023 12.8170 [  $-(5x^2 - 6) / (4x^3 - x^2 - 5x + 1)$  ogf]  
A022023 6.35277 [  $\{-a(n+3) + 5a(n+2) + a(n+1) - 4a(n), a(0) = 6, a(1) = 30, a(2) = 151\}$ , ogf]  
A022024 12.7577 [  $-(5x^2 - 6) / (9x^3 - x^2 - 11x + 1)$  ogf]  
A022024 6.37884 [  $\{-a(n+3) + 11a(n+2) + a(n+1) - 9a(n), a(0) = 6, a(1) = 66, a(2) = 727\}$ , ogf]  
A022024 8.42240  $-(66 + 2x + 45x^4 - 107x^2) / (9x^3 - x^2 - 11x + 1) / (5x^2 - 6)$  lgdogf  
A022025 11.4145 [  $-(5x^2 - 6) / (14x^3 - x^2 - 17x + 1)$  ogf]  
A022025 5.65929 [  $\{-a(n+3) + 17a(n+2) + a(n+1) - 14a(n), a(0) = 6, a(1) = 102, a(2) = 1735\}$ , ogf]  
A022025 9.27557  $-(102 + 2x + 70x^4 - 167x^2) / (14x^3 - x^2 - 17x + 1) / (5x^2 - 6)$  lgdogf  
A022026 15.2226 [  $-(x-2) / (4x^2 - 8x + 1)$  ogf]  
A022026 16.4107  $-(-1 - 4x + ((1+3x) \cdot (1+4x))^{\wedge}(1/2)) / (1+4x)$  revogf  
A022026 18.6900  $-(2x-3) \cdot (2x-5) / (x-2) / (4x^2 - 8x + 1)$  lgdogf  
A022026 8.25322 [  $\{-a(n+2) + 8a(n+1) - 4a(n), a(0) = 2, a(1) = 15\}$ , ogf]

A022027 13.1098  $-2*(8-x-8*x^2+2*x^4)/(x^2-2)/(4*x^3-8*x+1)$  lgdogf  
A022027 15.8337  $[-(x^2-2)/(4*x^3-8*x+1)$  ogf]  
A022027 7.99846  $[{a(n+3)-8*a(n+2)+4*a(n), a(0) = 2, a(1) = 16, a(2) = 127}],$  ogf]  
A022028 10.5975  $-2*(16-x+4*x^4-16*x^2)/(x^2-2)/(8*x^3-16*x+1)$  lgdogf  
A022028 14.2511  $[-(x^2-2)/(8*x^3-16*x+1)$  ogf]  
A022028 6.44440  $2/3*3^{(1/2)}*2^{(1/2)}*\sin(1/3*\arctan(3*x*3^{(1/2)}/((2021*x^2+512*x+32)^{(1/2)})))$  revogf  
A022028 7.27096  $[{a(n+3)-16*a(n+2)+8*a(n), a(0) = 2, a(1) = 32, a(2) = 511}],$  ogf]  
A022029 7.37044  $[-(x^4+x^2-x-4)/(x^5+x^3-x^2-3*x+1)$  ogf]  
A022030 12.5312  $[-(x^3-x^2+4)/(x^4-x^3+4*x-1)$  ogf]  
A022030 8.92967  $-(16-2*x+x^6-2*x^5+8*x^3+x^4-5*x^2)/(x^3-x^2+4)/(x^4-x^3+4*x-1)$  lgdogf  
A022031 7.14650  $[-(x^6+x^5+x^4+x^3-x-4)/(x-1)/(x^6+2*x^5+3*x^4+4*x^3+4*x^2+3*x-1)$  ogf]  
A022032 7.34742  $[-(x^6+x^5+x^4+x^3-x-5)/(x^7+x^6+x^5+x^4-x^2-5*x+1)$  ogf]  
A022033 10.4107  $[1/(x-1)/(6*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A022033 9.84864  $-(-19+250*x-951*x^2+840*x^3)/(x-1)/(6*x-1)/(7*x-1)/(5*x-1)$  lgdogf  
A022034 6.74039  $-(31+10*x+2*x^6-2*x^5-6*x^3+x^8-14*x^4-12*x^2)/(x^4+x^2-x-6)/(x^5+x^3-x^2-5*x+1)$  lgdogf  
A022035 6.66417  $[-(x^6+x^5+x^4+x^3-x-6)/(x^7+x^6+x^5+x^4-x^2-6*x+1)$  ogf]  
A022037 6.45215  $[-(x^6+x^5+x^4+x^3-x-7)/(x^7+x^6+x^5+x^4-x^2-7*x+1)$  ogf]  
A022038 9.17310  $[-(x^4+x^2-x-8)/(x^5+x^3-x^2-7*x+1)$  ogf]  
A022039 6.12888  $[-(x^6+x^5+x^4+x^3-x-8)/(x^7+x^6+x^5+x^4-x^2-8*x+1)$  ogf]  
A022040 5.06240  $[{a(n+4)-3*a(n+3)+2*a(n+2)-a(n+1)+a(n), a(0) = 16, a(1) = 36, a(2) = 80, a(3) = 177}],$  ogf]  
A022040 7.66382  $-(36-56*x+39*x^2-46*x^3+26*x^4-8*x^5+7*x^6)/(x-1)/(x^3+2*x-1)/(7*x^3-4*x^2+12*x-16)$  lgdogf  
A022040 9.41991  $[-(7*x^3-4*x^2+12*x-16)/(x-1)/(x^3+2*x-1)$  ogf]  
A022041 5.87147  $[-(x^{10}+x^6+x^2-2)/(x^{11}-x^{10}+x^7-x^6+x^3-x^2-3*x+1)$  ogf]  
A022086 21.8824  $[-3*x/(x^2+x-1)$  ogf]  
A022086 24.9580  $1/2/x*(-3-x+(9+6*x+5*x^2)^{(1/2)})$  revogf  
A022086 44.3698  $-(1+2*x)/(x^2-1+x)$  lgdogf  
A022086 9.99564  $[{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 3}],$  ogf]  
A022087 21.1374  $[-4*x/(x^2+x-1)$  ogf]  
A022087 23.3688  $1/2/x*(-4-x+(16+8*x+5*x^2)^{(1/2)})$  revogf  
A022087 42.8427  $-(1+2*x)/(x^2-1+x)$  lgdogf  
A022087 9.65533  $[{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 4}],$  ogf]  
A022088 20.7726  $1/2*(-5-x+(5+2*x+x^2)^{(1/2)}*5^{(1/2)})/x$  revogf  
A022088 21.6289  $[-5*x/(x^2+x-1)$  ogf]  
A022088 43.8532  $-(1+2*x)/(x^2-1+x)$  lgdogf  
A022088 9.87988  $[{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 5}],$  ogf]  
A022089 21.8255  $[-6*x/(x^2+x-1)$  ogf]  
A022089 23.4304  $1/2/x*(-6-x+(36+12*x+5*x^2)^{(1/2)})$  revogf  
A022089 44.2573  $-(1+2*x)/(x^2-1+x)$  lgdogf  
A022089 9.96969  $[{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 6}],$  ogf]  
A022090 20.9824  $[-7*x/(x^2+x-1)$  ogf]  
A022090 22.5151  $1/2/x*(-7-x+(49+14*x+5*x^2)^{(1/2)})$  revogf  
A022090 42.5286  $-(1+2*x)/(x^2-1+x)$  lgdogf  
A022090 9.58454  $[{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 7}],$  ogf]  
A022091 21.1776  $[-8*x/(x^2+x-1)$  ogf]  
A022091 22.7276  $1/2/x*(-8-x+(64+16*x+5*x^2)^{(1/2)})$  revogf  
A022091 42.9298  $-(1+2*x)/(x^2+x-1)$  lgdogf  
A022091 9.67370  $[{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 8}],$  ogf]  
A022092 21.2752  $[-9*x/(x^2+x-1)$  ogf]  
A022092 22.8338  $1/2/x*(-9-x+(81+18*x+5*x^2)^{(1/2)})$  revogf  
A022092 43.1304  $-(1+2*x)/(x^2-1+x)$  lgdogf  
A022092 9.71828  $[{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 9}],$  ogf]  
A022093 10.2474  $[{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 10}],$  ogf]  
A022093 13.9935  $1/2*(-x-10+(x^2+4*x+20)^{(1/2)}*5^{(1/2)})/x$  revogf

A022093 22.1127 [  $-10*x/(x^2+x-1)$  ogf]  
A022093 31.0967  $-(1+2*x)/(x^2-1+x)$  lgdogf  
A022095 17.9454 [  $-(4*x+1)/(x^2+x-1)$  ogf]  
A022095 21.4323  $1/2/(4+x)*(-x-1+(1+18*x+5*x^2)^{(1/2)})$  revogf  
A022095 24.7811  $-(5+2*x+4*x^2)/(4*x+1)/(x^2-1+x)$  lgdogf  
A022095 9.84811 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A022096 18.1071 [  $-(5*x+1)/(x^2+x-1)$  ogf]  
A022096 21.6289  $1/2/(5+x)*(-x-1+(1+22*x+5*x^2)^{(1/2)})$  revogf  
A022096 25.0084  $-(6+2*x+5*x^2)/(5*x+1)/(x^2+x-1)$  lgdogf  
A022096 9.93683 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A022097 17.4127 [  $-(6*x+1)/(x^2+x-1)$  ogf]  
A022097 20.7872  $1/2/(6+x)*(-x-1+(1+26*x+5*x^2)^{(1/2)})$  revogf  
A022097 24.0352  $-(7+2*x+6*x^2)/(6*x+1)/(x^2-1+x)$  lgdogf  
A022097 9.55573 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A022098 17.5731 [  $-(7*x+1)/(x^2+x-1)$  ogf]  
A022098 20.9824  $1/2/(7+x)*(-x-1+(1+30*x+5*x^2)^{(1/2)})$  revogf  
A022098 24.2609  $-(8+2*x+7*x^2)/(7*x+1)/(x^2-1+x)$  lgdogf  
A022098 9.64379 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A022099 10.2474 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A022099 18.6730 [  $-(8*x+1)/(x^2+x-1)$  ogf]  
A022099 21.1776  $1/2/(8+x)*(-x-1+(1+34*x+5*x^2)^{(1/2)})$  revogf  
A022099 24.4866  $-(9+2*x+8*x^2)/(8*x+1)/(x^2+x-1)$  lgdogf  
A022100 17.8941 [  $-(9*x+1)/(x^2+x-1)$  ogf]  
A022100 21.3727  $1/2/(9+x)*(-x-1+(1+38*x+5*x^2)^{(1/2)})$  revogf  
A022100 23.9634  $-(10+2*x+9*x^2)/(9*x+1)/(x^2-1+x)$  lgdogf  
A022100 9.70163 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A022101 10.2992 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
A022101 14.9107  $1/2/(x+10)*(-x-1+(1+42*x+5*x^2)^{(1/2)})$  revogf  
A022101 16.1888  $-(11+2*x+10*x^2)/(10*x+1)/(x^2+x-1)$  lgdogf  
A022101 18.5833 [  $-(10*x+1)/(x^2+x-1)$  ogf]  
A022102 12.7655 [  $-(11*x+1)/(x^2+x-1)$  ogf]  
A022102 15.0915  $1/2/(x+11)*(-x-1+(1+46*x+5*x^2)^{(1/2)})$  revogf  
A022102 16.3850  $-(12+2*x+11*x^2)/(11*x+1)/(x^2-1+x)$  lgdogf  
A022102 7.07484 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 12\}$ , ogf]  
A022103 10.4307 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 13\}$ , ogf]  
A022103 18.8206 [  $-(12*x+1)/(x^2+x-1)$  ogf]  
A022103 22.3999  $1/2/(x+12)*(-x-1+(1+50*x+5*x^2)^{(1/2)})$  revogf  
A022103 24.3199  $-(13+2*x+12*x^2)/(12*x+1)/(x^2+x-1)$  lgdogf  
A022104 12.8401 [  $-(13*x+1)/(x^2+x-1)$  ogf]  
A022104 15.1819  $1/2/(13+x)*(-x-1+(1+54*x+5*x^2)^{(1/2)})$  revogf  
A022104 16.4832  $-(14+2*x+13*x^2)/(13*x+1)/(x^2+x-1)$  lgdogf  
A022104 7.11622 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 14\}$ , ogf]  
A022105 12.9148 [  $-(14*x+1)/(x^2+x-1)$  ogf]  
A022105 15.2722  $1/2/(14+x)*(-x-1+(1+58*x+5*x^2)^{(1/2)})$  revogf  
A022105 16.5813  $-(15+2*x+14*x^2)/(14*x+1)/(x^2-1+x)$  lgdogf  
A022105 7.15759 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 15\}$ , ogf]  
A022106 12.9894 [  $-(15*x+1)/(x^2+x-1)$  ogf]  
A022106 15.3626  $1/2/(15+x)*(-x-1+(1+62*x+5*x^2)^{(1/2)})$  revogf  
A022106 16.6794  $-(16+2*x+15*x^2)/(15*x+1)/(x^2+x-1)$  lgdogf  
A022106 7.19896 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 16\}$ , ogf]  
A022107 12.9894 [  $-(16*x+1)/(x^2+x-1)$  ogf]  
A022107 15.3626  $1/2/(16+x)*(-x-1+(1+66*x+5*x^2)^{(1/2)})$  revogf  
A022107 16.6794  $-(17+2*x+16*x^2)/(16*x+1)/(x^2+x-1)$  lgdogf  
A022107 7.19896 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 17\}$ , ogf]  
A022108 13.0641 [  $-(17*x+1)/(x^2+x-1)$  ogf]  
A022108 15.4530  $1/2/(17+x)*(-x-1+(1+70*x+5*x^2)^{(1/2)})$  revogf  
A022108 16.7775  $-(18+2*x+17*x^2)/(17*x+1)/(x^2-1+x)$  lgdogf  
A022108 7.24034 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 18\}$ , ogf]  
A022109 13.1387 [  $-(18*x+1)/(x^2+x-1)$  ogf]  
A022109 15.5433  $1/2/(18+x)*(-x-1+(1+74*x+5*x^2)^{(1/2)})$  revogf  
A022109 16.8756  $-(19+2*x+18*x^2)/(18*x+1)/(x^2-1+x)$  lgdogf



A022109 7.28171  $[ \{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 19\}, \text{ogf}]$   
A022110 12.4218  $[ -(19*x+1)/(x^2+x-1) \text{ogf}]$   
A022110 14.6789  $1/2/(19+x)*(-x-1+(1+78*x+5*x^2)^{(1/2)}) \text{revogf}$   
A022110 15.9371  $-(20+2*x+19*x^2)/(19*x+1)/(x^2-1+x) \text{lgdogf}$   
A022110 6.88436  $[ \{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 20\}, \text{ogf}]$   
A022111 8.71928  $-2*(-10+137*x+480*x^3-537*x^2)/(x-1)/(6*x-1)/(8*x-1)/(5*x-1) \text{lgdogf}$   
A022111 9.54854  $[ 1/(x-1)/(6*x-1)/(8*x-1)/(5*x-1) \text{ogf}]$   
A022112 15.5490  $1/2/(4+x)*(-x-2+(5*x^2+20*x+4)^{(1/2)}) \text{revogf}$   
A022112 17.3324  $[ -2*(2*x+1)/(x^2+x-1) \text{ogf}]$   
A022112 17.9785  $-(3+2*x+2*x^2)/(1+2*x)/(x^2-1+x) \text{lgdogf}$   
A022112 9.51170  $[ \{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 6\}, \text{ogf}]$   
A022113 17.4929  $[ -(5*x+2)/(x^2+x-1) \text{ogf}]$   
A022113 20.8848  $1/2/(5+x)*(-x-2+(5*x^2+24*x+4)^{(1/2)}) \text{revogf}$   
A022113 24.1480  $-(7+4*x+5*x^2)/(5*x+2)/(x^2+x-1) \text{lgdogf}$   
A022113 9.59977  $[ \{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 7\}, \text{ogf}]$   
A022114 17.8139  $[ -(7*x+2)/(x^2+x-1) \text{ogf}]$   
A022114 21.2752  $1/2/(7+x)*(-x-2+(5*x^2+32*x+4)^{(1/2)}) \text{revogf}$   
A022114 24.5994  $-(9+4*x+7*x^2)/(7*x+2)/(x^2-1+x) \text{lgdogf}$   
A022114 9.77590  $[ \{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 9\}, \text{ogf}]$   
A022115 18.1348  $[ -(9*x+2)/(x^2+x-1) \text{ogf}]$   
A022115 21.6655  $1/2/(9+x)*(-x-2+(5*x^2+40*x+4)^{(1/2)}) \text{revogf}$   
A022115 24.2916  $-(11+4*x+9*x^2)/(9*x+2)/(x^2-1+x) \text{lgdogf}$   
A022115 9.83214  $[ \{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 11\}, \text{ogf}]$   
A022116 16.9828  $[ -(11*x+2)/(x^2+x-1) \text{ogf}]$   
A022116 20.1809  $1/2/(x+11)*(-x-2+(5*x^2+48*x+4)^{(1/2)}) \text{revogf}$   
A022116 21.9107  $-(13+4*x+11*x^2)/(11*x+2)/(x^2+x-1) \text{lgdogf}$   
A022116 9.41213  $[ \{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 13\}, \text{ogf}]$   
A022117 17.0607  $[ -(13*x+2)/(x^2+x-1) \text{ogf}]$   
A022117 20.2752  $1/2/(13+x)*(-x-2+(5*x^2+56*x+4)^{(1/2)}) \text{revogf}$   
A022117 22.0131  $-(15+4*x+13*x^2)/(13*x+2)/(x^2-1+x) \text{lgdogf}$   
A022117 9.45531  $[ \{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 15\}, \text{ogf}]$   
A022118 17.2944  $[ -(15*x+2)/(x^2+x-1) \text{ogf}]$   
A022118 20.5581  $1/2/(15+x)*(-x-2+(5*x^2+64*x+4)^{(1/2)}) \text{revogf}$   
A022118 22.3202  $-(17+4*x+15*x^2)/(15*x+2)/(x^2-1+x) \text{lgdogf}$   
A022118 9.58483  $[ \{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 17\}, \text{ogf}]$   
A022119 12.4218  $[ -(17*x+2)/(x^2+x-1) \text{ogf}]$   
A022119 14.6789  $1/2/(17+x)*(-x-2+(5*x^2+72*x+4)^{(1/2)}) \text{revogf}$   
A022119 15.9371  $-(19+4*x+17*x^2)/(17*x+2)/(x^2-1+x) \text{lgdogf}$   
A022119 6.88436  $[ \{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 19\}, \text{ogf}]$   
A022120 17.6534  $[ -(4*x+3)/(x^2+x-1) \text{ogf}]$   
A022120 21.0800  $1/2/(4+x)*(-3-x+(9+22*x+5*x^2)^{(1/2)}) \text{revogf}$   
A022120 24.3737  $-(7+6*x+4*x^2)/(4*x+3)/(x^2+x-1) \text{lgdogf}$   
A022120 9.68783  $[ \{a(n+2)-a(n+1)-a(n), a(0) = 3, a(1) = 7\}, \text{ogf}]$   
A022121 17.7336  $[ -(5*x+3)/(x^2+x-1) \text{ogf}]$   
A022121 21.1776  $1/2/(5+x)*(-3-x+(9+26*x+5*x^2)^{(1/2)}) \text{revogf}$   
A022121 24.4866  $-(8+6*x+5*x^2)/(5*x+3)/(x^2+x-1) \text{lgdogf}$   
A022121 9.73187  $[ \{a(n+2)-a(n+1)-a(n), a(0) = 3, a(1) = 8\}, \text{ogf}]$   
A022122 18.0546  $[ -(7*x+3)/(x^2+x-1) \text{ogf}]$   
A022122 21.5679  $1/2/(7+x)*(-3-x+(9+34*x+5*x^2)^{(1/2)}) \text{revogf}$   
A022122 24.1822  $-(10+6*x+7*x^2)/(7*x+3)/(x^2+x-1) \text{lgdogf}$   
A022122 9.78864  $[ \{a(n+2)-a(n+1)-a(n), a(0) = 3, a(1) = 10\}, \text{ogf}]$   
A022123 17.2805  $[ -(8*x+3)/(x^2+x-1) \text{ogf}]$   
A022123 20.6295  $1/2/(8+x)*(-3-x+(9+38*x+5*x^2)^{(1/2)}) \text{revogf}$   
A022123 23.1300  $-(11+6*x+8*x^2)/(8*x+3)/(x^2-1+x) \text{lgdogf}$   
A022123 9.36896  $[ \{a(n+2)-a(n+1)-a(n), a(0) = 3, a(1) = 11\}, \text{ogf}]$   
A022124 12.9148  $[ -(10*x+3)/(x^2+x-1) \text{ogf}]$   
A022124 14.8806  $1/2/(x+10)*(-3-x+(9+x)*(1+5*x))^{(1/2)} \text{revogf}$   
A022124 16.5813  $-(13+6*x+10*x^2)/(10*x+3)/(x^2-1+x) \text{lgdogf}$   
A022124 7.15759  $[ \{a(n+2)-a(n+1)-a(n), a(0) = 3, a(1) = 13\}, \text{ogf}]$   
A022125 15.2722  $1/2/(x+11)*(-3-x+(9+50*x+5*x^2)^{(1/2)}) \text{revogf}$

A022125 16.5813  $-(14+6*x+11*x^2)/(11*x+3)/(x^2-1+x)$  lgdogf  
A022125 17.9761  $[-(11*x+3)/(x^2+x-1)$  ogf]  
A022125 9.96266  $[{a(n+2)-a(n+1)-a(n), a(0) = 3, a(1) = 14}],$  ogf]  
A022126 15.3626  $1/2/(13+x)*(-3-x+(9+58*x+5*x^2)^{(1/2)})$  revogf  
A022126 16.6794  $-(16+6*x+13*x^2)/(13*x+3)/(x^2+x-1)$  lgdogf  
A022126 17.2165  $[-(13*x+3)/(x^2+x-1)$  ogf]  
A022126 9.54166  $[{a(n+2)-a(n+1)-a(n), a(0) = 3, a(1) = 16}],$  ogf]  
A022127 15.4530  $1/2/(14+x)*(-3-x+(9+62*x+5*x^2)^{(1/2)})$  revogf  
A022127 16.7775  $-(17+6*x+14*x^2)/(14*x+3)/(x^2-1+x)$  lgdogf  
A022127 17.2944  $[-(14*x+3)/(x^2+x-1)$  ogf]  
A022127 9.58483  $[{a(n+2)-a(n+1)-a(n), a(0) = 3, a(1) = 17}],$  ogf]  
A022128 12.4218  $[-(16*x+3)/(x^2+x-1)$  ogf]  
A022128 14.6789  $1/2/(16+x)*(-3-x+(9+70*x+5*x^2)^{(1/2)})$  revogf  
A022128 15.9371  $-(19+6*x+16*x^2)/(16*x+3)/(x^2-1+x)$  lgdogf  
A022128 6.88436  $[{a(n+2)-a(n+1)-a(n), a(0) = 3, a(1) = 19}],$  ogf]  
A022129 12.4957  $[-(17*x+3)/(x^2+x-1)$  ogf]  
A022129 14.7684  $1/2/(17+x)*(-3-x+(9+74*x+5*x^2)^{(1/2)})$  revogf  
A022129 16.0342  $-(20+6*x+17*x^2)/(17*x+3)/(x^2+x-1)$  lgdogf  
A022129 6.92534  $[{a(n+2)-a(n+1)-a(n), a(0) = 3, a(1) = 20}],$  ogf]  
A022130 17.9744  $[-(5*x+4)/(x^2+x-1)$  ogf]  
A022130 20.9053  $1/2/(5+x)*(-4-x+(16+28*x+5*x^2)^{(1/2)})$  revogf  
A022130 24.8251  $-(9+8*x+5*x^2)/(5*x+4)/(x^2-1+x)$  lgdogf  
A022130 9.86398  $[{a(n+2)-a(n+1)-a(n), a(0) = 4, a(1) = 9}],$  ogf]  
A022131 17.3602  $[-(7*x+4)/(x^2+x-1)$  ogf]  
A022131 20.1809  $1/2/(7+x)*(-4-x+(16+36*x+5*x^2)^{(1/2)})$  revogf  
A022131 23.2386  $-(11+8*x+7*x^2)/(7*x+4)/(x^2+x-1)$  lgdogf  
A022131 9.41213  $[{a(n+2)-a(n+1)-a(n), a(0) = 4, a(1) = 11}],$  ogf]  
A022132 17.4398  $[-(9*x+4)/(x^2+x-1)$  ogf]  
A022132 20.2752  $1/2/(9+x)*(-4-x+(16+44*x+5*x^2)^{(1/2)})$  revogf  
A022132 23.3472  $-(13+8*x+9*x^2)/(9*x+4)/(x^2-1+x)$  lgdogf  
A022132 9.45531  $[{a(n+2)-a(n+1)-a(n), a(0) = 4, a(1) = 13}],$  ogf]  
A022133 12.9894  $[-(11*x+4)/(x^2+x-1)$  ogf]  
A022133 14.9687  $1/2/(x+11)*(-4-x+(16+52*x+5*x^2)^{(1/2)})$  revogf  
A022133 16.6794  $-(15+8*x+11*x^2)/(11*x+4)/(x^2+x-1)$  lgdogf  
A022133 7.19896  $[{a(n+2)-a(n+1)-a(n), a(0) = 4, a(1) = 15}],$  ogf]  
A022134 13.1387  $[-(13*x+4)/(x^2+x-1)$  ogf]  
A022134 15.1448  $1/2/(13+x)*(-4-x+(16+60*x+5*x^2)^{(1/2)})$  revogf  
A022134 16.8756  $-(17+8*x+13*x^2)/(13*x+4)/(x^2-1+x)$  lgdogf  
A022134 7.28171  $[{a(n+2)-a(n+1)-a(n), a(0) = 4, a(1) = 17}],$  ogf]  
A022135 12.4218  $[-(15*x+4)/(x^2+x-1)$  ogf]  
A022135 14.3025  $1/2/(15+x)*(-4-x+(16+68*x+5*x^2)^{(1/2)})$  revogf  
A022135 15.9371  $-(19+8*x+15*x^2)/(15*x+4)/(x^2-1+x)$  lgdogf  
A022135 6.88436  $[{a(n+2)-a(n+1)-a(n), a(0) = 4, a(1) = 19}],$  ogf]  
A022136 17.3602  $[-(6*x+5)/(x^2+x-1)$  ogf]  
A022136 20.1809  $1/2/(6+x)*(-5-x+(25+34*x+5*x^2)^{(1/2)})$  revogf  
A022136 22.5551  $-(11+10*x+6*x^2)/(6*x+5)/(x^2+x-1)$  lgdogf  
A022136 9.41213  $[{a(n+2)-a(n+1)-a(n), a(0) = 5, a(1) = 11}],$  ogf]  
A022137 17.4398  $[-(7*x+5)/(x^2+x-1)$  ogf]  
A022137 20.2752  $1/2/(7+x)*(-5-x+(25+38*x+5*x^2)^{(1/2)})$  revogf  
A022137 22.6605  $-(12+10*x+7*x^2)/(7*x+5)/(x^2-1+x)$  lgdogf  
A022137 9.45531  $[{a(n+2)-a(n+1)-a(n), a(0) = 5, a(1) = 12}],$  ogf]  
A022138 17.4398  $[-(8*x+5)/(x^2+x-1)$  ogf]  
A022138 20.2752  $1/2/(8+x)*(-5-x+(25+42*x+5*x^2)^{(1/2)})$  revogf  
A022138 22.6605  $-(13+10*x+8*x^2)/(8*x+5)/(x^2-1+x)$  lgdogf  
A022138 9.45531  $[{a(n+2)-a(n+1)-a(n), a(0) = 5, a(1) = 13}],$  ogf]  
A022139 17.5194  $[-(9*x+5)/(x^2+x-1)$  ogf]  
A022139 20.3695  $1/2/(9+x)*(-5-x+(25+46*x+5*x^2)^{(1/2)})$  revogf  
A022139 22.7659  $-(14+10*x+9*x^2)/(9*x+5)/(x^2+x-1)$  lgdogf  
A022139 9.49848  $[{a(n+2)-a(n+1)-a(n), a(0) = 5, a(1) = 14}],$  ogf]  
A022140 13.0641  $[-(11*x+5)/(x^2+x-1)$  ogf]  
A022140 15.0567  $1/2/(x+11)*(-5-x+(25+54*x+5*x^2)^{(1/2)})$  revogf

A022140 16.3115  $-(16+10*x+11*x^2)/(11*x+5)/(x^2-1+x)$  lgdogf  
A022140 7.24034  $[ \{a(n+2)-a(n+1)-a(n), a(0) = 5, a(1) = 16\}, ogf]$   
A022141 12.4218  $[ -(12*x+5)/(x^2+x-1) ogf]$   
A022141 14.3025  $1/2/(x+1)*(-5-x+(25+58*x+5*x^2)^{(1/2)})$  revogf  
A022141 15.4944  $-(17+10*x+12*x^2)/(12*x+5)/(x^2-1+x)$  lgdogf  
A022141 6.88436  $[ \{a(n+2)-a(n+1)-a(n), a(0) = 5, a(1) = 17\}, ogf]$   
A022142 12.4218  $[ -(13*x+5)/(x^2+x-1) ogf]$   
A022142 14.3025  $1/2/(13+x)*(-5-x+(25+62*x+5*x^2)^{(1/2)})$  revogf  
A022142 15.4944  $-(18+10*x+13*x^2)/(13*x+5)/(x^2-1+x)$  lgdogf  
A022142 6.88436  $[ \{a(n+2)-a(n+1)-a(n), a(0) = 5, a(1) = 18\}, ogf]$   
A022143 12.4957  $[ -(14*x+5)/(x^2+x-1) ogf]$   
A022143 14.3897  $1/2/(14+x)*(-5-x+(25+66*x+5*x^2)^{(1/2)})$  revogf  
A022143 15.5888  $-(19+10*x+14*x^2)/(14*x+5)/(x^2+x-1)$  lgdogf  
A022143 6.92534  $[ \{a(n+2)-a(n+1)-a(n), a(0) = 5, a(1) = 19\}, ogf]$   
A022144 12.4250  $[ (x^2+6*x+1)/(x-1)^2 ogf]$   
A022144 24.7389  $-8*(x+1)/(x-1)/(1+6*x+x^2)$  lgdogf  
A022144 6.39346  $[ \{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 8, a(2) = 16\}, ogf]$   
A022145 13.4643  $-2*(9+38*x+13*x^2)/(x-1)/(x^3+23*x^2+15*x+1)$  lgdogf  
A022145 4.45981  $[ \{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 18, a(2) = 74, a(3) = 170\}, ogf]$   
A022145 8.54273  $[ -(x^3+23*x^2+15*x+1)/(x-1)^3 ogf]$   
A022146 10.0438  $-32*(1+9*x+2*x^3+12*x^2)/(x-1)/(x^4+60*x^3+102*x^2+28*x+1)$  lgdogf  
A022146 6.69676  $[ (x^4+60*x^3+102*x^2+28*x+1)/(x-1)^4 ogf]$   
A022147 5.33144  $[ -(x^5+125*x^4+402*x^3+290*x^2+45*x+1)/(x-1)^5 ogf]$   
A022147 7.16782  $-2*(25+380*x+65*x^4+652*x^3+1038*x^2)/(x-1)/(x^5+125*x^4+402*x^3+290*x^2+45*x+1)$  lgdogf  
A022148 4.18863  $[ (x^6+226*x^5+1167*x^4+1596*x^3+655*x^2+66*x+1)/(x-1)^6 ogf]$   
A022148 5.52751  $-8*(9+205*x+29*x^5+433*x^4+1182*x^3+926*x^2)/(x-1)/(x^6+226*x^5+1167*x^4+1596*x^3+655*x^2+66*x+1)$  lgdogf  
A022149 3.70111  $[ -(x^7+371*x^6+2793*x^5+6155*x^4+4795*x^3+1281*x^2+91*x+1)/(x-1)^7 ogf]$   
A022150 4.29794  $[ (x^8+568*x^7+5852*x^6+18888*x^5+23750*x^4+12040*x^3+2268*x^2+120*x+1)/(x-1)^8 ogf]$   
A022151 3.81366  $[ -(x^9+825*x^8+11124*x^7+49380*x^6+91118*x^5+74574*x^4+26628*x^3+3732*x^2+153*x+1)/(x-1)^9 ogf]$   
A022152 3.25661  $[ (x^{10}+1150*x^9+19629*x^8+114600*x^7+291410*x^6+350196*x^5+201810*x^4+53544*x^3+5805*x^2+190*x+1)/(x-1)^{10} ogf]$   
A022163 5.01072  $[ -(3*x^3-5*x-1)/(3*x^4-6*x^2+1) ogf]$   
A022165 5.01072  $[ -(x+1)*(4*x^2-4*x-1)/(4*x^4-6*x^2+1) ogf]$   
A022196 5.63754  $[ 1/(x-1)/(9*x-1)/(81*x-1)/(3*x-1)/(243*x-1)/(27*x-1) ogf]$   
A022220 11.9928  $-(43-516*x+648*x^2)/(x-1)/(6*x-1)/(36*x-1)$  lgdogf  
A022220 14.1930  $[ -1/(x-1)/(6*x-1)/(36*x-1) ogf]$   
A022220 4.92650  $[ \{a(n+3)-43*a(n+2)+258*a(n+1)-216*a(n), a(0) = 1, a(1) = 43, a(2) = 1591\}, ogf]$   
A022221 7.43835  $-(-259+19092*x-167832*x^2+186624*x^3)/(x-1)/(6*x-1)/(36*x-1)/(216*x-1)$  lgdogf  
A022221 8.56363  $[ 1/(x-1)/(6*x-1)/(36*x-1)/(216*x-1) ogf]$   
A022222 5.61460  $[ -1/(x-1)/(6*x-1)/(36*x-1)/(1296*x-1)/(216*x-1) ogf]$   
A022231 12.3093  $-3*(19-266*x+343*x^2)/(x-1)/(7*x-1)/(49*x-1)$  lgdogf  
A022231 13.1534  $[ -1/(x-1)/(7*x-1)/(49*x-1) ogf]$   
A022231 4.56564  $[ \{a(n+3)-57*a(n+2)+399*a(n+1)-343*a(n), a(0) = 1, a(1) = 57, a(2) = 2850\}, ogf]$   
A022232 7.22535  $[ 1/(x-1)/(343*x-1)/(7*x-1)/(49*x-1) ogf]$   
A022233 5.88056  $[ -1/(x-1)/(2401*x-1)/(343*x-1)/(7*x-1)/(49*x-1) ogf]$   
A022242 11.8758  $[ -1/(x-1)/(8*x-1)/(64*x-1) ogf]$   
A022242 4.12217  $[ \{a(n+3)-73*a(n+2)+584*a(n+1)-512*a(n), a(0) = 1, a(1) = 73, a(2) = 4745\}, ogf]$

A022243 6.89475  $-( -585+75920*x+1048576*x^3-898560*x^2)/(x-1)/(8*x-1)/(512*x-1)/(64*x-1)$  lgdogf  
A022243 7.68411  $[ 1/(x-1)/(8*x-1)/(512*x-1)/(64*x-1)$  ogf]  
A022244 5.96750  $[ -1/(x-1)/(512*x-1)/(4096*x-1)/(64*x-1)/(8*x-1)$  ogf]  
A022253 11.6359  $-(91-1638*x+2187*x^2)/(x-1)/(81*x-1)/(9*x-1)$  lgdogf  
A022253 12.4413  $[ -1/(x-1)/(81*x-1)/(9*x-1)$  ogf]  
A022253 4.31846  $[ \{a(n+3)-91*a(n+2)+819*a(n+1)-729*a(n), a(0) = 1, a(1) = 91, a(2) = 7462\},$  ogf]  
A022254 7.10960  $-4*( -205+33579*x+531441*x^3-448335*x^2)/(x-1)/(81*x-1)/(729*x-1)/(9*x-1)$  lgdogf  
A022254 8.02817  $[ 1/(x-1)/(81*x-1)/(729*x-1)/(9*x-1)$  ogf]  
A022255 6.26724  $[ -1/(x-1)/(81*x-1)/(729*x-1)/(9*x-1)/(6561*x-1)$  ogf]  
A022264 14.3199  $[ -x*(4*x+3)/(x-1)^3$  ogf]  
A022264 25.9376  $-(13+8*x)/(4*x+3)/(x-1)$  lgdogf  
A022264 7.28779  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 13\},$  ogf]  
A022265 10.6575  $[ -x*(3*x+4)/(x-1)^3$  ogf]  
A022265 24.8569  $-3*(5+2*x)/(3*x+4)/(x-1)$  lgdogf  
A022265 5.42391  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 15\},$  ogf]  
A022266 14.5225  $[ -x*(5*x+4)/(x-1)^3$  ogf]  
A022266 25.3116  $-(17+10*x)/(5*x+4)/(x-1)$  lgdogf  
A022266 7.39091  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 17\},$  ogf]  
A022267 10.8489  $[ -x*(4*x+5)/(x-1)^3$  ogf]  
A022267 26.4121  $-(19+8*x)/(4*x+5)/(x-1)$  lgdogf  
A022267 5.52134  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 19\},$  ogf]  
A022268 14.3742  $[ -x*(6*x+5)/(x-1)^3$  ogf]  
A022268 24.5242  $-3*(7+4*x)/(6*x+5)/(x-1)$  lgdogf  
A022268 7.31544  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 21\},$  ogf]  
A022269 14.3742  $[ -x*(5*x+6)/(x-1)^3$  ogf]  
A022269 33.6601  $-(23+10*x)/(5*x+6)/(x-1)$  lgdogf  
A022269 7.31544  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 23\},$  ogf]  
A022270 13.2632  $[ -x*(7*x+6)/(x-1)^3$  ogf]  
A022270 24.8251  $-(25+14*x)/(7*x+6)/(x-1)$  lgdogf  
A022270 6.75001  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 25\},$  ogf]  
A022271 13.7426  $[ -x*(6*x+7)/(x-1)^3$  ogf]  
A022271 24.8251  $-3*(9+4*x)/(6*x+7)/(x-1)$  lgdogf  
A022271 6.99399  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 27\},$  ogf]  
A022272 14.4920  $[ -x*(8*x+7)/(x-1)^3$  ogf]  
A022272 24.9755  $-(29+16*x)/(8*x+7)/(x-1)$  lgdogf  
A022272 7.37540  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 29\},$  ogf]  
A022273 14.0081  $[ -x*(7*x+8)/(x-1)^3$  ogf]  
A022273 24.9755  $-(31+14*x)/(7*x+8)/(x-1)$  lgdogf  
A022273 7.12914  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 31\},$  ogf]  
A022274 13.7251  $[ -x*(9*x+8)/(x-1)^3$  ogf]  
A022274 24.4098  $-3*(11+6*x)/(9*x+8)/(x-1)$  lgdogf  
A022274 6.98509  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 33\},$  ogf]  
A022275 13.7251  $[ -x*(8*x+9)/(x-1)^3$  ogf]  
A022275 25.4269  $-(35+16*x)/(8*x+9)/(x-1)$  lgdogf  
A022275 6.98509  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 9, a(2) = 35\},$  ogf]  
A022276 14.5703  $[ -x*(10*x+9)/(x-1)^3$  ogf]

A022276 24.6987  $-(37+20*x)/(10*x+9)/(x-1)$  lgdogf  
A022276 7.54535  $[-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 0, a(1) = 9, a(2) = 37],$  ogf]  
A022277 14.6359  $[-x*(9*x+10)/(x-1)^3$  ogf]  
A022277 22.8794  $-3*(13+6*x)/(9*x+10)/(x-1)$  lgdogf  
A022277 7.51226  $[a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 10, a(2) = 39],$  ogf]  
A022278 10.0032  $[-x*(11*x+10)/(x-1)^3$  ogf]  
A022278 22.2893  $-(41+22*x)/(11*x+10)/(x-1)$  lgdogf  
A022278 5.22290  $[a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 10, a(2) = 41],$  ogf]  
A022279 10.0032  $[-x*(10*x+11)/(x-1)^3$  ogf]  
A022279 22.2893  $-(43+20*x)/(10*x+11)/(x-1)$  lgdogf  
A022279 5.22290  $[a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 11, a(2) = 43],$  ogf]  
A022280 10.1237  $[-x*(12*x+11)/(x-1)^3$  ogf]  
A022280 21.7271  $-3*(15+8*x)/(12*x+11)/(x-1)$  lgdogf  
A022280 5.28583  $[a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 11, a(2) = 45],$  ogf]  
A022281 10.1237  $[-x*(11*x+12)/(x-1)^3$  ogf]  
A022281 22.5628  $-(47+22*x)/(11*x+12)/(x-1)$  lgdogf  
A022281 5.28583  $[-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 0, a(1) = 12, a(2) = 47],$  ogf]  
A022282 10.2442  $[-x*(13*x+12)/(x-1)^3$  ogf]  
A022282 22.8363  $-(49+26*x)/(13*x+12)/(x-1)$  lgdogf  
A022282 5.34876  $[a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 12, a(2) = 49],$  ogf]  
A022283 10.2442  $[-x*(12*x+13)/(x-1)^3$  ogf]  
A022283 21.9905  $-3*(17+8*x)/(12*x+13)/(x-1)$  lgdogf  
A022283 5.34876  $[a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 13, a(2) = 51],$  ogf]  
A022284 10.3045  $[-x*(14*x+13)/(x-1)^3$  ogf]  
A022284 22.9730  $-(53+28*x)/(14*x+13)/(x-1)$  lgdogf  
A022284 5.38022  $[a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 13, a(2) = 53],$  ogf]  
A022285 10.3045  $[-x*(13*x+14)/(x-1)^3$  ogf]  
A022285 22.9730  $-(55+26*x)/(13*x+14)/(x-1)$  lgdogf  
A022285 5.38022  $[a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 14, a(2) = 55],$  ogf]  
A022286 10.3647  $[-x*(15*x+14)/(x-1)^3$  ogf]  
A022286 21.4591  $-3*(19+10*x)/(15*x+14)/(x-1)$  lgdogf  
A022286 5.41168  $[a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 14, a(2) = 57],$  ogf]  
A022287 10.3647  $[-x*(14*x+15)/(x-1)^3$  ogf]  
A022287 23.1098  $-(59+28*x)/(14*x+15)/(x-1)$  lgdogf  
A022287 5.41168  $[a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 15, a(2) = 59],$  ogf]  
A022288 10.4250  $[-x*(16*x+15)/(x-1)^3$  ogf]  
A022288 23.2465  $-(61+32*x)/(16*x+15)/(x-1)$  lgdogf  
A022288 5.44315  $[a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 15, a(2) = 61],$  ogf]  
A022289 10.4250  $[-x*(15*x+16)/(x-1)^3$  ogf]  
A022289 21.5861  $-3*(21+10*x)/(15*x+16)/(x-1)$  lgdogf  
A022289 5.44315  $[a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 16, a(2) = 63],$  ogf]  
A022291 9.05649  $-(-21+298*x-1197*x^2+1080*x^3)/(x-1)/(6*x-1)/(9*x-1)/(5*x-1)$  lgdogf  
A022291 9.90984  $[1/(x-1)/(6*x-1)/(9*x-1)/(5*x-1)$  ogf]  
A022308 16.1836  $[-x*(2*x-3)/(x-1)/(x^2+x-1)$  ogf]  
A022308 18.1880  $-(-2+x)*(4*x^2-x-2)/(x-1)/(2*x-3)/(x^2-1+x)$  lgdogf  
A022308 8.52683  $[-a(n+3)+2*a(n+2)-a(n), a(0) = 0, a(1) = 3, a(2) = 4],$  ogf]

A022309 13.7784  $-(5+6*x^3-12*x^2)/(3*x-4)/(x-1)/(x^2-1+x)$  lgdogf  
A022309 16.4063  $[-x*(3*x-4)/(x-1)/(x^2+x-1)$  ogf]  
A022309 8.64416  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 4, a(1) = 5},$  ogf]  
A022310 16.5548  $[-x*(4*x-5)/(x-1)/(x^2+x-1)$  ogf]  
A022310 19.5188  $-(6+8*x^3-15*x^2)/(x-1)/(4*x-5)/(x^2+x-1)$  lgdogf  
A022310 8.72240  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 0, a(1) = 5, a(2) = 6},$  ogf]  
A022311 15.9175  $[-x*(5*x-6)/(x-1)/(x^2+x-1)$  ogf]  
A022311 18.3125  $-(7+10*x^3-18*x^2)/(5*x-6)/(x-1)/(x^2-1+x)$  lgdogf  
A022311 8.38666  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 0, a(1) = 6, a(2) = 7},$  ogf]  
A022312 16.0649  $[-x*(6*x-7)/(x-1)/(x^2+x-1)$  ogf]  
A022312 18.4845  $-(8+12*x^3-21*x^2)/(x-1)/(6*x-7)/(x^2-1+x)$  lgdogf  
A022312 8.46431  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 0, a(1) = 7, a(2) = 8},$  ogf]  
A022313 16.1386  $[-x*(7*x-8)/(x-1)/(x^2+x-1)$  ogf]  
A022313 18.5704  $-(9+14*x^3-24*x^2)/(7*x-8)/(x-1)/(x^2+x-1)$  lgdogf  
A022313 8.50313  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 0, a(1) = 8, a(2) = 9},$  ogf]  
A022314 16.2860  $[-x*(8*x-9)/(x-1)/(x^2+x-1)$  ogf]  
A022314 18.3065  $-(10+16*x^3-27*x^2)/(x-1)/(8*x-9)/(x^2-1+x)$  lgdogf  
A022314 8.48950  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 0, a(1) = 9, a(2) = 10},$  ogf]  
A022315 11.5382  $[-x*(9*x-10)/(x-1)/(x^2+x-1)$  ogf]  
A022315 12.8775  $-(11+18*x^3-30*x^2)/(9*x-10)/(x-1)/(x^2+x-1)$  lgdogf  
A022315 6.07274  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 0, a(1) = 10, a(2) = 11},$  ogf]  
A022316 11.4466  $[-x*(10*x-11)/(x-1)/(x^2+x-1)$  ogf]  
A022316 12.7439  $-(12+20*x^3-33*x^2)/(10*x-11)/(x-1)/(x^2-1+x)$  lgdogf  
A022316 6.14503  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 0, a(1) = 11, a(2) = 12},$  ogf]  
A022317 11.5140  $[-x*(11*x-12)/(x-1)/(x^2+x-1)$  ogf]  
A022317 12.8202  $-(13+22*x^3-36*x^2)/(11*x-12)/(x-1)/(x^2+x-1)$  lgdogf  
A022317 6.18118  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 0, a(1) = 12, a(2) = 13},$  ogf]  
A022318 10.9857  $[-(2*x^2-2*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A022318 11.8413  $-(x-2)*(2*x^3+x-2)/(x-1)/(2*x^2-2*x-1)/(x^2-1+x)$  lgdogf  
A022318 6.19409  $[{a(n+3)-2*a(n+2)+a(n), a(0) = 1, a(1) = 4, a(2) = 6},$  ogf]  
A022319 10.2734  $-(5-6*x+3*x^4-6*x^3+3*x^2)/(x-1)/(3*x^2-3*x-1)/(x^2-1+x)$  lgdogf  
A022319 11.1165  $[-(3*x^2-3*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A022319 6.26783  $[{a(n+3)-2*a(n+2)+a(n), a(0) = 1, a(1) = 5, a(2) = 7},$  ogf]  
A022320 10.3972  $-(6-8*x+4*x^4-8*x^3+5*x^2)/(x-1)/(4*x^2-4*x-1)/(x^2+x-1)$  lgdogf  
A022320 11.2473  $[-(4*x^2-4*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A022320 6.34156  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 1, a(1) = 6, a(2) = 8},$  ogf]  
A022321 10.1582  $-(7-10*x+5*x^4-10*x^3+7*x^2)/(x-1)/(5*x^2-5*x-1)/(x^2+x-1)$   
lgdogf  
A022321 11.3781  $[-(5*x^2-5*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A022321 6.41531  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 1, a(1) = 7, a(2) = 9},$  ogf]  
A022322 10.8203  $[-(6*x^2-6*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A022322 6.03659  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 1, a(1) = 8, a(2) = 10},$  ogf]  
A022322 9.65070  $-(8-12*x+6*x^4-12*x^3+9*x^2)/(x-1)/(6*x^2-6*x-1)/(x^2-1+x)$   
lgdogf  
A022323 10.8203  $[-(7*x^2-7*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A022323 6.03659  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 1, a(1) = 9, a(2) = 11},$  ogf]  
A022323 9.48712  $-(9-14*x+7*x^4-14*x^3+11*x^2)/(x-1)/(x^2-1+x)/(7*x^2-7*x-1)$   
lgdogf  
A022324 11.0147  $[-(8*x^2-8*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A022324 6.08102  $[{a(n+3)-2*a(n+2)+a(n), a(0) = 1, a(1) = 10, a(2) = 12},$  ogf]  
A022324 9.50071  $-(10-16*x+8*x^4-16*x^3+13*x^2)/(x-1)/(8*x^2-8*x-1)/(x^2-1+x)$   
lgdogf  
A022325 11.0795  $[-(9*x^2-9*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A022325 6.11679  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 1, a(1) = 11, a(2) = 13},$  ogf]  
A022325 9.55794  $-(11-18*x+9*x^4-18*x^3+15*x^2)/(x-1)/(9*x^2-9*x-1)/(x^2-1+x)$   
lgdogf  
A022326 10.7390  $[-(10*x^2-10*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A022326 6.15256  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 1, a(1) = 12, a(2) = 14},$  ogf]  
A022326 9.15731  $-(12-20*x+10*x^4-20*x^3+17*x^2)/(x-1)/(x^2+x-1)/(10*x^2-10*x-1)$   
lgdogf  
A022330 5.18752  $[-(x^12+2*x^11+x^10+2*x^9+x^8+2*x^7+2*x^6+x^5+2*x^4+x^3+2*x^2+x$

+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^3 ogf]  
A022335 11.0193 [ -(x^5+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3 ogf]  
A022335 7.61903 -(2+2\*x  
+4\*x^7+4\*x^8+13\*x^6+6\*x^5+9\*x^4+4\*x^3+4\*x^11+2\*x^10+8\*x^9+5\*x^2)/(x-1)/  
(x^6+x^5+x^4+x^3+x^2+x+1)/(x^5+x^3+1) lgdogf  
A022343 8.90803 -2\*(-11+161\*x-660\*x^2+600\*x^3)/(x-1)/(6\*x-1)/(5\*x-1)/(10\*x-1)  
lgdogf  
A022343 9.90984 [ 1/(x-1)/(6\*x-1)/(5\*x-1)/(10\*x-1) ogf]  
A022345 15.6437 1/2/x\*(-x-11+(5\*x^2+22\*x+121)^(1/2)) revogf  
A022345 21.1904 [ -11\*x/(x^2+x-1) ogf]  
A022345 31.2875 -(1+2\*x)/(x^2-1+x) lgdogf  
A022345 9.81994 [{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 11}, ogf]  
A022346 12.0012 [{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 12}, ogf]  
A022346 15.7391 1/2/x\*(-x-12+(5\*x^2+24\*x+144)^(1/2)) revogf  
A022346 25.8973 [ -12\*x/(x^2+x-1) ogf]  
A022346 31.4782 -(1+2\*x)/(x^2+x-1) lgdogf  
A022347 15.3626 [ -13\*x/(x^2+x-1) ogf]  
A022347 15.9299 1/2/x\*(-13-x+(169+26\*x+5\*x^2)^(1/2)) revogf  
A022347 31.8598 -(1+2\*x)/(x^2-1+x) lgdogf  
A022347 7.11924 [{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 13}, ogf]  
A022348 15.4529 [ -14\*x/(x^2+x-1) ogf]  
A022348 16.0253 1/2/x\*(-14-x+(196+28\*x+5\*x^2)^(1/2)) revogf  
A022348 32.0506 -(1+2\*x)/(x^2+x-1) lgdogf  
A022348 7.16112 [{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 14}, ogf]  
A022349 12.1823 [{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 15}, ogf]  
A022349 14.5086 1/2\*(-15-x+(45+6\*x+x^2)^(1/2)\*5^(1/2))/x revogf  
A022349 26.2882 [ -15\*x/(x^2+x-1) ogf]  
A022349 32.2414 -(1+2\*x)/(x^2-1+x) lgdogf  
A022350 15.5433 [ -16\*x/(x^2+x-1) ogf]  
A022350 16.1207 1/2/x\*(-16-x+(256+32\*x+5\*x^2)^(1/2)) revogf  
A022350 32.2414 -(1+2\*x)/(x^2-1+x) lgdogf  
A022350 7.20300 [{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 16}, ogf]  
A022351 15.6337 [ -17\*x/(x^2+x-1) ogf]  
A022351 16.2161 1/2/x\*(-17-x+(289+34\*x+5\*x^2)^(1/2)) revogf  
A022351 32.4321 -(1+2\*x)/(x^2+x-1) lgdogf  
A022351 7.24488 [{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 17}, ogf]  
A022352 15.6337 [ -18\*x/(x^2+x-1) ogf]  
A022352 16.2161 1/2/x\*(-18-x+(324+36\*x+5\*x^2)^(1/2)) revogf  
A022352 32.4321 -(1+2\*x)/(x^2+x-1) lgdogf  
A022352 7.24488 [{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 18}, ogf]  
A022353 15.7241 [ -19\*x/(x^2+x-1) ogf]  
A022353 16.3115 1/2/x\*(-19-x+(361+38\*x+5\*x^2)^(1/2)) revogf  
A022353 32.6229 -(1+2\*x)/(x^2-1+x) lgdogf  
A022353 7.28676 [{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 19}, ogf]  
A022354 13.9449 1/2\*(-20-x+(80+8\*x+x^2)^(1/2)\*5^(1/2))/x revogf  
A022354 14.9474 [ -20\*x/(x^2+x-1) ogf]  
A022354 30.9887 -(1+2\*x)/(x^2-1+x) lgdogf  
A022354 6.92683 [{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 20}, ogf]  
A022355 15.4944 1/2/x\*(-21-x+(441+42\*x+5\*x^2)^(1/2)) revogf  
A022355 21.0296 [ -21\*x/(x^2+x-1) ogf]  
A022355 30.9887 -(1+2\*x)/(x^2-1+x) lgdogf  
A022355 9.74543 [{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 21}, ogf]  
A022356 15.0369 [ -22\*x/(x^2+x-1) ogf]  
A022356 15.5888 1/2/x\*(-22-x+(484+44\*x+5\*x^2)^(1/2)) revogf  
A022356 31.1777 -(1+2\*x)/(x^2+x-1) lgdogf  
A022356 6.96832 [{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 22}, ogf]  
A022357 15.0369 [ -23\*x/(x^2+x-1) ogf]  
A022357 15.5888 1/2/x\*(-23-x+(529+46\*x+5\*x^2)^(1/2)) revogf  
A022357 31.1777 -(1+2\*x)/(x^2+x-1) lgdogf  
A022357 6.96832 [{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 23}, ogf]  
A022358 15.1264 [ -24\*x/(x^2+x-1) ogf]

A022358 15.6833  $1/2 \cdot x \cdot (-24 - x + (576 + 48x + 5x^2)^{1/2})$  revogf  
A022358 31.3666  $-(1+2x)/(x^2-1+x)$  lgdogf  
A022358 7.00979  $[{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 24}]$ , ogf]  
A022359 18.9415  $1/2 \cdot (-25 - x + (125 + 10x + x^2)^{1/2}) \cdot 5^{1/2}$  revogf  
A022359 21.2182  $[ -25x/(x^2+x-1)$  ogf]  
A022359 44.1967  $-(1+2x)/(x^2-1+x)$  lgdogf  
A022359 9.83283  $[{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 25}]$ , ogf]  
A022360 15.1264  $[ -26x/(x^2+x-1)$  ogf]  
A022360 15.6833  $1/2 \cdot x \cdot (-26 - x + (676 + 52x + 5x^2)^{1/2})$  revogf  
A022360 31.3666  $-(1+2x)/(x^2-1+x)$  lgdogf  
A022360 7.00979  $[{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 26}]$ , ogf]  
A022361 15.2159  $[ -27x/(x^2+x-1)$  ogf]  
A022361 15.7778  $1/2 \cdot x \cdot (-27 - x + (729 + 54x + 5x^2)^{1/2})$  revogf  
A022361 31.5556  $-(1+2x)/(x^2-1+x)$  lgdogf  
A022361 7.05127  $[{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 27}]$ , ogf]  
A022362 15.2159  $[ -28x/(x^2+x-1)$  ogf]  
A022362 15.7778  $1/2 \cdot x \cdot (-28 - x + (784 + 56x + 5x^2)^{1/2})$  revogf  
A022362 31.5556  $-(1+2x)/(x^2-1+x)$  lgdogf  
A022362 7.05127  $[{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 28}]$ , ogf]  
A022363 15.7778  $1/2 \cdot x \cdot (-29 - x + (841 + 58x + 5x^2)^{1/2})$  revogf  
A022363 20.3029  $[ -29x/(x^2+x-1)$  ogf]  
A022363 31.5556  $-(1+2x)/(x^2-1+x)$  lgdogf  
A022363 9.40867  $[{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 29}]$ , ogf]  
A022364 13.6048  $1/2 \cdot (-30 - x + (180 + 12x + x^2)^{1/2}) \cdot 5^{1/2}$  revogf  
A022364 15.3054  $[ -30x/(x^2+x-1)$  ogf]  
A022364 31.7445  $-(1+2x)/(x^2+x-1)$  lgdogf  
A022364 7.09274  $[{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 30}]$ , ogf]  
A022365 15.3054  $[ -31x/(x^2+x-1)$  ogf]  
A022365 15.8723  $1/2 \cdot x \cdot (-31 - x + (961 + 62x + 5x^2)^{1/2})$  revogf  
A022365 31.7445  $-(1+2x)/(x^2+x-1)$  lgdogf  
A022365 7.09274  $[{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 31}]$ , ogf]  
A022366 15.3949  $[ -32x/(x^2+x-1)$  ogf]  
A022366 15.5352  $1/2 \cdot x \cdot (-x - 32 + (5x^2 + 64x + 1024)^{1/2})$  revogf  
A022366 31.9335  $-(1+2x)/(x^2-1+x)$  lgdogf  
A022366 7.13422  $[{-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 32}]$ , ogf]  
A022367 10.2992  $[{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 10}]$ , ogf]  
A022367 15.3137  $1/2 \cdot (8+x) \cdot (-x - 2 + (5x^2 + 36x + 4)^{1/2})$  revogf  
A022367 17.7065  $-(5+2x+4x^2)/(4x+1)/(x^2+x-1)$  lgdogf  
A022367 18.9963  $[ -2 \cdot (4x+1)/(x^2+x-1)$  ogf]  
A022368 12.7655  $[ -2 \cdot (5x+1)/(x^2+x-1)$  ogf]  
A022368 15.0915  $1/2 \cdot (x+10) \cdot (-x - 2 + (5x^2 + 44x + 4)^{1/2})$  revogf  
A022368 17.9211  $-(6+2x+5x^2)/(5x+1)/(x^2-1+x)$  lgdogf  
A022368 7.07484  $[{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 12}]$ , ogf]  
A022369 12.9148  $[ -2 \cdot (6x+1)/(x^2+x-1)$  ogf]  
A022369 15.2722  $1/2 \cdot (x+12) \cdot (-x - 2 + (5x^2 + 52x + 4)^{1/2})$  revogf  
A022369 18.1358  $-(7+2x+6x^2)/(6x+1)/(x^2-1+x)$  lgdogf  
A022369 7.15759  $[{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 14}]$ , ogf]  
A022370 12.9894  $[ -2 \cdot (7x+1)/(x^2+x-1)$  ogf]  
A022370 15.3626  $1/2 \cdot (14+x) \cdot (-x - 2 + (5x^2 + 60x + 4)^{1/2})$  revogf  
A022370 18.2431  $-(8+2x+7x^2)/(7x+1)/(x^2+x-1)$  lgdogf  
A022370 7.19896  $[{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 16}]$ , ogf]  
A022371 13.0641  $[ -2 \cdot (8x+1)/(x^2+x-1)$  ogf]  
A022371 15.4530  $1/2 \cdot (16+x) \cdot (-x - 2 + (5x^2 + 68x + 4)^{1/2})$  revogf  
A022371 18.3504  $-(9+2x+8x^2)/(8x+1)/(x^2-1+x)$  lgdogf  
A022371 7.24034  $[{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 18}]$ , ogf]  
A022372 12.4218  $[ -2 \cdot (9x+1)/(x^2+x-1)$  ogf]  
A022372 14.6789  $1/2 \cdot (18+x) \cdot (-x - 2 + (5x^2 + 76x + 4)^{1/2})$  revogf  
A022372 16.9029  $-(10+2x+9x^2)/(9x+1)/(x^2-1+x)$  lgdogf  
A022372 6.88436  $[{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 20}]$ , ogf]  
A022373 10.7375  $[{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 22}]$ , ogf]  
A022373 14.7684  $1/2 \cdot (20+x) \cdot (-x - 2 + (5x^2 + 84x + 4)^{1/2})$  revogf



A022373 16.0342  $-(11+2*x+10*x^2)/(10*x+1)/(x^2+x-1)$  lgdogf  
A022373 19.3741  $[-2*(10*x+1)/(x^2+x-1)$  ogf]  
A022374 10.7813  $[{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 24}],$  ogf]  
A022374 14.8579  $1/2/(22+x)*(-x-2+(5*x^2+92*x+4)^(1/2))$  revogf  
A022374 16.1314  $-(12+2*x+11*x^2)/(11*x+1)/(x^2-1+x)$  lgdogf  
A022374 19.4532  $[-2*(11*x+1)/(x^2+x-1)$  ogf]  
A022375 10.8251  $[{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 26}],$  ogf]  
A022375 14.5641  $1/2/(24+x)*(-x-2+(5*x^2+100*x+4)^(1/2))$  revogf  
A022375 16.2286  $-(13+2*x+12*x^2)/(12*x+1)/(x^2-1+x)$  lgdogf  
A022375 19.5323  $[-2*(12*x+1)/(x^2+x-1)$  ogf]  
A022376 10.3542  $[{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 28}],$  ogf]  
A022376 14.5641  $1/2/(26+x)*(-x-2+(5*x^2+108*x+4)^(1/2))$  revogf  
A022376 16.2286  $-(14+2*x+13*x^2)/(13*x+1)/(x^2-1+x)$  lgdogf  
A022376 18.6826  $[-2*(13*x+1)/(x^2+x-1)$  ogf]  
A022377 12.7175  $[-2*(14*x+1)/(x^2+x-1)$  ogf]  
A022377 14.6513  $1/2/(28+x)*(-x-2+(5*x^2+116*x+4)^(1/2))$  revogf  
A022377 16.3258  $-(15+2*x+14*x^2)/(14*x+1)/(x^2+x-1)$  lgdogf  
A022377 7.04826  $[{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 30}],$  ogf]  
A022378 12.8654  $[-2*(15*x+1)/(x^2+x-1)$  ogf]  
A022378 14.8257  $1/2/(30+x)*(-x-2+(5*x^2+124*x+4)^(1/2))$  revogf  
A022378 16.5201  $-(16+2*x+15*x^2)/(15*x+1)/(x^2+x-1)$  lgdogf  
A022378 7.13023  $[{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 32}],$  ogf]  
A022379 10.3361  $[{a(n+2)-a(n+1)-a(n), a(0) = 3, a(1) = 9}],$  ogf]  
A022379 15.1281  $1/2/(6+x)*(-3-x+(9+30*x+5*x^2)^(1/2))$  revogf  
A022379 17.4919  $-(3+2*x+2*x^2)/(2*x+1)/(x^2-1+x)$  lgdogf  
A022379 18.8346  $[-3*(2*x+1)/(x^2+x-1)$  ogf]  
A022380 13.1255  $[-3*(3*x+1)/(x^2+x-1)$  ogf]  
A022380 15.5922  $1/2/(9+x)*(-3-x+(9+42*x+5*x^2)^(1/2))$  revogf  
A022380 18.0284  $-(4+2*x+3*x^2)/(3*x+1)/(x^2+x-1)$  lgdogf  
A022380 7.11622  $[{a(n+2)-a(n+1)-a(n), a(0) = 3, a(1) = 12}],$  ogf]  
A022381 12.9894  $[-3*(4*x+1)/(x^2+x-1)$  ogf]  
A022381 15.3626  $1/2/(x+12)*(-3-x+(9+54*x+5*x^2)^(1/2))$  revogf  
A022381 18.2431  $-(5+2*x+4*x^2)/(4*x+1)/(x^2+x-1)$  lgdogf  
A022381 7.19896  $[{a(n+2)-a(n+1)-a(n), a(0) = 3, a(1) = 15}],$  ogf]  
A022382 15.0915  $1/2/(6+x)*(-4-x+(16+32*x+5*x^2)^(1/2))$  revogf  
A022382 17.9211  $-(5+4*x+3*x^2)/(3*x+2)/(x^2-1+x)$  lgdogf  
A022382 18.2151  $[-2*(3*x+2)/(x^2+x-1)$  ogf]  
A022382 9.87565  $[{a(n+2)-a(n+1)-a(n), a(0) = 4, a(1) = 10}],$  ogf]  
A022383 16.2310  $[-2*(5*x+2)/(x^2+x-1)$  ogf]  
A022383 18.7795  $1/2/(x+10)*(-4-x+(16+48*x+5*x^2)^(1/2))$  revogf  
A022383 22.8876  $-(7+4*x+5*x^2)/(5*x+2)/(x^2+x-1)$  lgdogf  
A022383 8.99547  $[{a(n+2)-a(n+1)-a(n), a(0) = 4, a(1) = 14}],$  ogf]  
A022384 10.1802  $[{a(n+2)-a(n+1)-a(n), a(0) = 4, a(1) = 18}],$  ogf]  
A022384 14.3025  $1/2/(14+x)*(-4-x+(16+64*x+5*x^2)^(1/2))$  revogf  
A022384 17.4311  $-(9+4*x+7*x^2)/(7*x+2)/(x^2-1+x)$  lgdogf  
A022384 18.3686  $[-2*(7*x+2)/(x^2+x-1)$  ogf]  
A022385 10.7813  $[{a(n+2)-a(n+1)-a(n), a(0) = 4, a(1) = 22}],$  ogf]  
A022385 14.4769  $1/2/(18+x)*(-4-x+(16+80*x+5*x^2)^(1/2))$  revogf  
A022385 17.1091  $-(11+4*x+9*x^2)/(9*x+2)/(x^2-1+x)$  lgdogf  
A022385 19.4532  $[-2*(9*x+2)/(x^2+x-1)$  ogf]  
A022386 10.3542  $[{a(n+2)-a(n+1)-a(n), a(0) = 4, a(1) = 26}],$  ogf]  
A022386 18.6826  $[-2*(11*x+2)/(x^2+x-1)$  ogf]  
A022386 19.5088  $1/2/(22+x)*(-4-x+(16+96*x+5*x^2)^(1/2))$  revogf  
A022386 21.7384  $-(13+4*x+11*x^2)/(11*x+2)/(x^2-1+x)$  lgdogf  
A022387 10.4412  $[{a(n+2)-a(n+1)-a(n), a(0) = 4, a(1) = 30}],$  ogf]  
A022387 14.3701  $1/2/(26+x)*(-4-x+(16+112*x+5*x^2)^(1/2))$  revogf  
A022387 16.4229  $-(15+4*x+13*x^2)/(13*x+2)/(x^2-1+x)$  lgdogf  
A022387 18.8396  $[-2*(13*x+2)/(x^2+x-1)$  ogf]  
A022388 11.0348  $[{a(n+2)-a(n+1)-a(n), a(0) = 6, a(1) = 13}],$  ogf]  
A022388 20.3531  $[-(7*x+6)/(x^2+x-1)$  ogf]  
A022388 20.3695  $1/2/(7+x)*(-6-x+(36+40*x+5*x^2)^(1/2))$  revogf

A022388 22.7659  $-(13+12*x+7*x^2)/(7*x+6)/(x^2+x-1)$  lgdogf  
A022389 17.6787  $[-(8*x+7)/(x^2+x-1)$  ogf]  
A022389 20.5581  $1/2/(8+x)*(-7-x+(49+46*x+5*x^2)^(1/2))$  revogf  
A022389 22.9767  $-(15+14*x+8*x^2)/(8*x+7)/(x^2-1+x)$  lgdogf  
A022389 9.58483  $[{a(n+2)-a(n+1)-a(n), a(0) = 7, a(1) = 15},$  ogf]  
A022390 13.5494  $[{a(n+2)-a(n+1)-a(n), a(0) = 8, a(1) = 17},$  ogf]  
A022390 20.8410  $1/2/(9+x)*(-8-x+(64+52*x+5*x^2)^(1/2))$  revogf  
A022390 23.2929  $-(17+16*x+9*x^2)/(9*x+8)/(x^2+x-1)$  lgdogf  
A022390 24.9911  $[-(9*x+8)/(x^2+x-1)$  ogf]  
A022391 10.7375  $[{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 21},$  ogf]  
A022391 14.7684  $1/2/(20+x)*(-x-1+(1+82*x+5*x^2)^(1/2))$  revogf  
A022391 16.0342  $-(21+2*x+20*x^2)/(20*x+1)/(x^2+x-1)$  lgdogf  
A022391 19.3741  $[-(20*x+1)/(x^2+x-1)$  ogf]  
A022392 10.7375  $[{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 22},$  ogf]  
A022392 14.7684  $1/2/(21+x)*(-x-1+(1+86*x+5*x^2)^(1/2))$  revogf  
A022392 16.0342  $-(22+2*x+21*x^2)/(21*x+1)/(x^2+x-1)$  lgdogf  
A022392 19.3741  $[-(21*x+1)/(x^2+x-1)$  ogf]  
A022393 10.7375  $[{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 23},$  ogf]  
A022393 14.7684  $1/2/(22+x)*(-x-1+(1+90*x+5*x^2)^(1/2))$  revogf  
A022393 16.0342  $-(23+2*x+22*x^2)/(22*x+1)/(x^2+x-1)$  lgdogf  
A022393 19.3741  $[-(22*x+1)/(x^2+x-1)$  ogf]  
A022394 10.7813  $[{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 24},$  ogf]  
A022394 14.8579  $1/2/(23+x)*(-x-1+(1+94*x+5*x^2)^(1/2))$  revogf  
A022394 16.1314  $-(24+2*x+23*x^2)/(23*x+1)/(x^2-1+x)$  lgdogf  
A022394 19.4532  $[-(23*x+1)/(x^2+x-1)$  ogf]  
A022395 10.7813  $[{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 25},$  ogf]  
A022395 14.8579  $1/2/(24+x)*(-x-1+(1+98*x+5*x^2)^(1/2))$  revogf  
A022395 16.1314  $-(25+2*x+24*x^2)/(24*x+1)/(x^2-1+x)$  lgdogf  
A022395 19.4532  $[-(24*x+1)/(x^2+x-1)$  ogf]  
A022396 10.8251  $[{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 26},$  ogf]  
A022396 14.5641  $1/2/(25+x)*(-x-1+(1+102*x+5*x^2)^(1/2))$  revogf  
A022396 16.2286  $-(26+2*x+25*x^2)/(25*x+1)/(x^2-1+x)$  lgdogf  
A022396 19.5323  $[-(25*x+1)/(x^2+x-1)$  ogf]  
A022397 10.8251  $[{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 27},$  ogf]  
A022397 14.5641  $1/2/(26+x)*(-x-1+(1+106*x+5*x^2)^(1/2))$  revogf  
A022397 16.2286  $-(27+2*x+26*x^2)/(26*x+1)/(x^2-1+x)$  lgdogf  
A022397 19.5323  $[-(26*x+1)/(x^2+x-1)$  ogf]  
A022398 10.3542  $[{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 28},$  ogf]  
A022398 14.5641  $1/2/(27+x)*(-x-1+(1+110*x+5*x^2)^(1/2))$  revogf  
A022398 16.2286  $-(28+2*x+27*x^2)/(27*x+1)/(x^2-1+x)$  lgdogf  
A022398 18.6826  $[-(27*x+1)/(x^2+x-1)$  ogf]  
A022399 10.3977  $[{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 29},$  ogf]  
A022399 14.6513  $1/2/(28+x)*(-x-1+(1+114*x+5*x^2)^(1/2))$  revogf  
A022399 16.3258  $-(29+2*x+28*x^2)/(28*x+1)/(x^2+x-1)$  lgdogf  
A022399 18.7611  $[-(28*x+1)/(x^2+x-1)$  ogf]  
A022400 10.3977  $[{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 30},$  ogf]  
A022400 14.6513  $1/2/(29+x)*(-x-1+(1+118*x+5*x^2)^(1/2))$  revogf  
A022400 16.3258  $-(30+2*x+29*x^2)/(29*x+1)/(x^2+x-1)$  lgdogf  
A022400 18.7611  $[-(29*x+1)/(x^2+x-1)$  ogf]  
A022401 12.7915  $[-(30*x+1)/(x^2+x-1)$  ogf]  
A022401 14.7385  $1/2/(30+x)*(-x-1+(1+122*x+5*x^2)^(1/2))$  revogf  
A022401 16.4229  $-(31+2*x+30*x^2)/(30*x+1)/(x^2-1+x)$  lgdogf  
A022401 7.08925  $[{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 31},$  ogf]  
A022402 10.4412  $[{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 32},$  ogf]  
A022402 14.7385  $1/2/(31+x)*(-x-1+(1+126*x+5*x^2)^(1/2))$  revogf  
A022402 16.4229  $-(32+2*x+31*x^2)/(31*x+1)/(x^2-1+x)$  lgdogf  
A022402 18.8396  $[-(31*x+1)/(x^2+x-1)$  ogf]  
A022403 10.0345  $[{a(n+3)-2*a(n+2)+a(n), a(0) = 3, a(1) = 3, a(2) = 7},$  ogf]  
A022403 10.5898  $-(-3-2*x+x^4-6*x^3+11*x^2)/(x-1)/(x^2-3*x+3)/(x^2+x-1)$  lgdogf  
A022403 17.7971  $[(x^2-3*x+3)/(x-1)/(x^2+x-1)$  ogf]  
A022406 14.5774  $-(7-6*x+3*x^4-2*x^3-3*x^2)/(x-1)/(x^2-1+x)/(3*x^2-x-3)$  lgdogf

A022406 15.1250 [  $-(3x^2-x-3)/(x-1)/(x^2+x-1)$  ogf]  
A022406 8.43815 [  $\{a(n+3)-2a(n+2)+a(n), a(0) = 3, a(1) = 7, a(2) = 11\}$ , ogf]  
A022407 13.1680  $-(8-8x+4x^4-4x^3-x^2)/(x-1)/(4x^2-2x-3)/(x^2+x-1)$  lgdogf  
A022407 13.6847 [  $-(4x^2-2x-3)/(x-1)/(x^2+x-1)$  ogf]  
A022407 7.63464 [  $\{-a(n+3)+2a(n+2)-a(n), a(0) = 3, a(1) = 8, a(2) = 12\}$ , ogf]  
A022408 10.3020  $-(9-10x+5x^4-6x^3+x^2)/(x-1)/(5x^2-3x-3)/(x^2+x-1)$  lgdogf  
A022408 16.9353 [  $-(5x^2-3x-3)/(x-1)/(x^2+x-1)$  ogf]  
A022408 9.44813 [  $\{a(n+3)-2a(n+2)+a(n), a(0) = 3, a(1) = 9, a(2) = 13\}$ , ogf]  
A022409 17.1427 [  $-(6x^2-4x-3)/(x-1)/(x^2+x-1)$  ogf]  
A022409 9.46420 [  $\{a(n+3)-2a(n+2)+a(n), a(0) = 3, a(1) = 10, a(2) = 14\}$ , ogf]  
A022409 9.94673  $-(10-12x+6x^4-8x^3+3x^2)/(x-1)/(6x^2-4x-3)/(x^2+x-1)$   
lgdogf  
A022410 14.7398 [  $-(7x^2-5x-3)/(x-1)/(x^2+x-1)$  ogf]  
A022410 8.13757 [  $\{-a(n+3)+2a(n+2)-a(n), a(0) = 3, a(1) = 11, a(2) = 15\}$ , ogf]  
A022410 9.77814  $-(11-14x+7x^4-10x^3+5x^2)/(x-1)/(7x^2-5x-3)/(x^2+x-1)$   
lgdogf  
A022411 17.2118 [  $-(8x^2-6x-3)/(x-1)/(x^2+x-1)$  ogf]  
A022411 9.50235 [  $\{a(n+3)-2a(n+2)+a(n), a(0) = 3, a(1) = 12, a(2) = 16\}$ , ogf]  
A022411 9.83634  $-(12-16x+8x^4-12x^3+7x^2)/(x-1)/(8x^2-6x-3)/(x^2-1+x)$   
lgdogf  
A022412 9.15734 [  $1/(x-1)/(6x-1)/(5x-1)/(11x-1)$  ogf]  
A022448 13.2668 [  $1/(x-1)/(6x-1)/(5x-1)/(12x-1)$  ogf]  
A022448 8.36029  $-2*(-12+185x+720x^3-783x^2)/(x-1)/(6x-1)/(5x-1)/(12x-1)$   
lgdogf  
A022452 8.71849  $-(-21+302x+1120x^3-1233x^2)/(x-1)/(8x-1)/(-1+7x)/(5x-1)$   
lgdogf  
A022452 9.70339 [  $1/(x-1)/(8x-1)/(7x-1)/(5x-1)$  ogf]  
A022453 9.05649  $-2*(-11+164x-687x^2+630x^3)/(x-1)/(9x-1)/(7x-1)/(5x-1)$   
lgdogf  
A022453 9.90984 [  $1/(x-1)/(9x-1)/(7x-1)/(5x-1)$  ogf]  
A022454 8.90803  $-(-23+354x-1515x^2+1400x^3)/(x-1)/(7x-1)/(5x-1)/(10x-1)$   
lgdogf  
A022454 9.90984 [  $1/(x-1)/(7x-1)/(5x-1)/(10x-1)$  ogf]  
A022455 8.59567  $-4*(-6+95x+385x^3-414x^2)/(x-1)/(7x-1)/(5x-1)/(11x-1)$   
lgdogf  
A022455 9.25852 [  $1/(x-1)/(7x-1)/(5x-1)/(11x-1)$  ogf]  
A022456 8.40674  $-(-25+406x+1680x^3-1797x^2)/(x-1)/(7x-1)/(5x-1)/(12x-1)$   
lgdogf  
A022456 9.35971 [  $1/(x-1)/(7x-1)/(5x-1)/(12x-1)$  ogf]  
A022469 13.8634 [  $1/(x-1)/(9x-1)/(8x-1)/(5x-1)$  ogf]  
A022469 8.90803  $-(-23+358x-1551x^2+1440x^3)/(x-1)/(9x-1)/(-1+8x)/(5x-1)$   
lgdogf  
A022521 5.78453 [  $-(x^4+26x^3+66x^2+26x+1)/(x-1)^5$  ogf]  
A022521 8.78891  $-(31+236x+x^4+56x^3+276x^2)/(x-1)/(x^4+26x^3+66x^2+26x+1)$   
lgdogf  
A022522 6.60064 [  $(x+1)*(x^4+56x^3+246x^2+56x+1)/(x-1)^6$  ogf]  
A022522 9.44778  $-(63+889x+x^5+119x^4+1134x^3+2114x^2)/(x-1)/(x+1)/$   
 $(x^4+56x^3+246x^2+56x+1)$  lgdogf  
A022523 5.36154 [  $-(x^6+120x^5+1191x^4+2416x^3+1191x^2+120x+1)/(x-1)^7$  ogf]  
A022523 6.86381  $-(127+3102x+x^6+246x^5+14428x^3+4173x^4+13203x^2)/(x-1)/$   
 $(x^6+120x^5+1191x^4+2416x^3+1191x^2+120x+1)$  lgdogf  
A022524 4.63205 [  $(x+1)*(x^6+246x^5+4047x^4+11572x^3+4047x^2+246x+1)/$   
 $(x-1)^8$  ogf]  
A022525 3.86161 [ -  
 $(x^8+502x^7+14608x^6+88234x^5+156190x^4+88234x^3+14608x^2+502x+1)/(x-1)^9$   
ogf]  
A022526 3.31183 [  $(x$   
 $+1)*(x^8+1012x^7+46828x^6+408364x^5+901990x^4+408364x^3+46828x^2+1012x$   
 $+1)/(x-1)^{10}$  ogf]  
A022558 4.98820 [  $\{(8n+20)*a(n+1)+(7n-1)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) =$   
 $1, a(2) = 2\}$ , ogf]

A022565 7.99696  $-2*(-12+193*x+800*x^3-855*x^2)/(x-1)/(-1+8*x)/(5*x-1)/(10*x-1)$   
lgdogf  
A022565 9.05616 [ 1/(x-1)/(8\*x-1)/(5\*x-1)/(10\*x-1) ogf ]  
A022567 28.0552 [ 2/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022568 32.6835 [ 3/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022569 30.4805 [ 4/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022570 30.2746 [ 5/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022571 29.7917 [ 6/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022572 30.2629 [ 7/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022573 30.4746 [ 8/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022574 28.4997 [ 9/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022575 27.1629 [ 10/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022576 28.3976 [ 11/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022577 29.2955 [ 12/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022578 28.3237 [ 13/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022579 27.4653 [ 14/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022580 26.3906 [ 15/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022581 38.9317 [ 16/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022582 27.4766 [ 17/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022583 26.2875 [ 18/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022584 26.8240 [ 19/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022585 27.3605 [ 20/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022586 26.0600 [ 21/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022587 26.2719 [ 22/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022588 26.9075 [ 23/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022589 25.5020 [ 25/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022590 26.0246 [ 26/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022591 24.2131 [ 27/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022592 24.4192 [ 28/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022593 24.8314 [ 29/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022594 25.0374 [ 30/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022595 25.2435 [ 31/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022596 25.6556 [ 32/(-x^2+1) ogf\_with\_Euler\_transform ]  
A022597 29.0233 [ 2/(x^2-1) ogf\_with\_Euler\_transform ]  
A022598 20.9707 [ 3/(x^2-1) ogf\_with\_Euler\_transform ]  
A022599 25.1861 [ 4/(x^2-1) ogf\_with\_Euler\_transform ]  
A022600 20.6173 [ 5/(x^2-1) ogf\_with\_Euler\_transform ]  
A022601 24.8874 [ 6/(x^2-1) ogf\_with\_Euler\_transform ]  
A022602 20.4072 [ 7/(x^2-1) ogf\_with\_Euler\_transform ]  
A022604 19.3204 [ 9/(x^2-1) ogf\_with\_Euler\_transform ]  
A022605 19.8849 [ 10/(x^2-1) ogf\_with\_Euler\_transform ]  
A022606 19.3314 [ 11/(x^2-1) ogf\_with\_Euler\_transform ]  
A022608 18.2208 [ 13/(x^2-1) ogf\_with\_Euler\_transform ]  
A022609 18.7505 [ 14/(x^2-1) ogf\_with\_Euler\_transform ]  
A022610 18.0813 [ 15/(x^2-1) ogf\_with\_Euler\_transform ]  
A022611 18.6039 [ 16/(x^2-1) ogf\_with\_Euler\_transform ]  
A022612 19.1265 [ 17/(x^2-1) ogf\_with\_Euler\_transform ]  
A022613 19.6491 [ 18/(x^2-1) ogf\_with\_Euler\_transform ]  
A022614 18.5462 [ 19/(x^2-1) ogf\_with\_Euler\_transform ]  
A022615 17.5567 [ 20/(x^2-1) ogf\_with\_Euler\_transform ]  
A022616 17.9627 [ 21/(x^2-1) ogf\_with\_Euler\_transform ]  
A022617 16.6762 [ 22/(x^2-1) ogf\_with\_Euler\_transform ]  
A022618 17.1755 [ 23/(x^2-1) ogf\_with\_Euler\_transform ]  
A022620 24.2591 [ 25/(x^2-1) ogf\_with\_Euler\_transform ]  
A022621 24.7888 [ 26/(x^2-1) ogf\_with\_Euler\_transform ]  
A022622 25.1066 [ 27/(x^2-1) ogf\_with\_Euler\_transform ]  
A022623 25.5303 [ 28/(x^2-1) ogf\_with\_Euler\_transform ]  
A022624 25.8481 [ 29/(x^2-1) ogf\_with\_Euler\_transform ]  
A022625 18.9730 [ 30/(x^2-1) ogf\_with\_Euler\_transform ]  
A022626 19.2725 [ 31/(x^2-1) ogf\_with\_Euler\_transform ]  
A022627 17.8629 [ 32/(x^2-1) ogf\_with\_Euler\_transform ]

A022628 13.2133 [  $1/(x-1)/(5*x-1)/(11*x-1)/(8*x-1)$  ogf]  
A022628 8.36029  $-(-25+414*x+1760*x^3-1869*x^2)/(x-1)/(5*x-1)/(11*x-1)/(8*x-1)$   
lgdogf  
A022725 8.31684  $-2*(-13+221*x+960*x^3-1014*x^2)/(x-1)/(5*x-1)/(12*x-1)/(8*x-1)$   
lgdogf  
A022725 9.41030 [  $1/(x-1)/(5*x-1)/(12*x-1)/(8*x-1)$  ogf]  
A022776 4.83340 [  $-(x^{10}+x^9+x^2+1)*(x^6+x^3+1)/$   
 $(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$   
ogf]  
A022777 4.11714 [  $-(x+1)*(x^{15}-x^{14}+3*x^{13}-$   
 $x^{12}+2*x^{11}+2*x^9+x^7+x^6+x^5+x^4+2*x^2+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-$   
 $x^7+x^5-x^4+x^3-x+1)/(x-1)^3$  ogf]  
A022783 5.10260 [  $-(x^{12}-x^{11}+x^{10}+x^9+x^8+x^7+x^5+x^4+x^3+x^2+1)/$   
 $(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A022786 5.70386 [  $-(x^{20}-x^{19}+x^{17}+x^{14}+x^{11}+x^9+x^6+x^3+1)/$   
 $(x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x$   
 $+1)/(x-1)^3$  ogf]  
A022794 19.9449 [-x^{17}+x^{16}+x^2+2 ogf\_with\_Euler\_transform]  
A022795 6.06457 [  $-(x+1)*(x^7+x^6+2*x^5+x^4+2*x^3+x^2+2*x+1)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A022796 6.64182 [  $-(x^{19}+x^{16}+x^{13}+x^{10}+x^7+x^4+1)/(x+1)/$   
 $(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-$   
 $x^3+x^2-x+1)/(x-1)^3$  ogf]  
A022815 21.1440  $-(-7-4*x+6*x^2)/(x-1)/(2*x^2-2*x-1)$  lgdogf  
A022815 3.79243 [  $\{( -n-4)*a(n+4)+(4-n)*a(n+3)+(12+4*n)*a(n+2)+(-8-2*n)*a(n+1),$   
 $a(0) = 1, a(1) = 7, a(2) = 23, a(3) = 55\}$ , ogf]  
A022815 9.55308 [  $(2*x^2-2*x-1)/(x-1)^5$  ogf]  
A022816 13.8895  $-(11+11*x-22*x^2+6*x^3)/(x-1)/(2*x^3-7*x^2+5*x+1)$  lgdogf  
A022816 7.23639 [  $(2*x^3-7*x^2+5*x+1)/(x-1)^6$  ogf]  
A022817 10.9623  $-(-15-28*x+2*x^5-7*x^4-12*x^3+53*x^2)/(x-1)/$   
 $(x^5-4*x^4+x^3+10*x^2-8*x-1)$  lgdogf  
A022817 6.58614 [  $(x^5-4*x^4+x^3+10*x^2-8*x-1)/(x-1)^7$  ogf]  
A022844 8.60192 [  $x*(x^7+3*x^6+3*x^5+3*x^4+3*x^3+3*x^2+3*x+3)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A022845 8.22545  $-(-25+418*x+1800*x^3-1905*x^2)/(x-1)/(9*x-1)/(5*x-1)/(-1+10*x)$   
lgdogf  
A022845 9.30912 [  $1/(x-1)/(9*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A022853 8.28832 [  $x*(3*x^6+3*x^5+3*x^4+4*x^3+3*x^2+3*x+3)/(x^6+x^5+x^4+x^3+x^2+x$   
 $+1)/(x-1)^2$  ogf]  
A022856 12.2951  $(-1+2*x-4*x^2+4*x^3-6*x^4+2*x^5)/(x-1)/(x^5-x^4+x^3+x^2-2*x+1)$   
lgdogf  
A022856 9.15502 [  $-(x^5-x^4+x^3+x^2-2*x+1)/(x-1)^3$  ogf]  
A022933 7.43971 [  $-x*(x^{11}+x^{10}+x^9+x^7+x^6+x^4+x^3+x+1)/(x-1)/$   
 $(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A022958 14.7980 [  $-(3*x-2)/(x-1)^2$  ogf]  
A022958 35.0822  $-(-1-x+(1-x)^{(1/2)})/(3+x)$  revogf  
A022958 39.8661  $-(3*x-1)/(3*x-2)/(x-1)$  lgdogf  
A022958 8.12088 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 2, a(1) = 1\}$ , ogf]  
A022959 15.0416 [  $-(4*x-3)/(x-1)^2$  ogf]  
A022959 26.9365  $-1/2*(-3-2*x+(9-4*x)^{(1/2)})/(4+x)$  revogf  
A022959 37.0377  $-2*(2*x-1)/(4*x-3)/(x-1)$  lgdogf  
A022959 8.25454 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 3, a(1) = 2\}$ , ogf]  
A022960 14.9510 [  $-(5*x-4)/(x-1)^2$  ogf]  
A022960 35.2299  $-(-2-x+(4-x)^{(1/2)})/(5+x)$  revogf  
A022960 38.2934  $-(-3+5*x)/(5*x-4)/(x-1)$  lgdogf  
A022960 8.20480 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 4, a(1) = 3\}$ , ogf]  
A022961 14.8604 [  $-(6*x-5)/(x-1)^2$  ogf]  
A022961 25.6645  $-1/2*(-5-2*x+(25-4*x)^{(1/2)})/(6+x)$  revogf  
A022961 34.9037  $-2*(-2+3*x)/(6*x-5)/(x-1)$  lgdogf  
A022961 8.15509 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 5, a(1) = 4\}$ , ogf]  
A022962 15.1036 [  $-(7*x-6)/(x-1)^2$  ogf]

A022962 34.0145  $-( -3-x+(-x+9)^{(1/2)})/(7+x)$  revogf  
A022962 38.4512  $-( -5+7*x)/(7*x-6)/(x-1)$  lgdogf  
A022962 8.28854  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 6, a(1) = 5}],$  ogf]  
A022963 15.0126  $[ -(8*x-7)/(x-1)^2$  ogf]  
A022963 25.7703  $-1/2*(-7-2*x+(49-4*x)^{(1/2)})/(8+x)$  revogf  
A022963 35.0476  $-2*(-3+4*x)/(8*x-7)/(x-1)$  lgdogf  
A022963 8.23861  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 7, a(1) = 6}],$  ogf]  
A022964 14.9216  $[ -(9*x-8)/(x-1)^2$  ogf]  
A022964 33.3846  $-( -4-x+(16-x)^{(1/2)})/(9+x)$  revogf  
A022964 37.7391  $-( -7+9*x)/(9*x-8)/(x-1)$  lgdogf  
A022964 8.18868  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 8, a(1) = 7}],$  ogf]  
A022965 14.8349  $[ -(10*x-9)/(x-1)^2$  ogf]  
A022965 25.1350  $-1/2*(-9-2*x+(81-4*x)^{(1/2)})/(x+10)$  revogf  
A022965 33.8356  $-2*(-4+5*x)/(10*x-9)/(x-1)$  lgdogf  
A022965 8.32200  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 9, a(1) = 8}],$  ogf]  
A022966 14.5192  $[ -(11*x-10)/(x-1)^2$  ogf]  
A022966 32.4302  $-( -5-x+(25-x)^{(1/2)})/(x+11)$  revogf  
A022966 33.6775  $-( -9+11*x)/(11*x-10)/(x-1)$  lgdogf  
A022966 8.22173  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 10, a(1) = 9}],$  ogf]  
A022967 14.5192  $[ -(12*x-11)/(x-1)^2$  ogf]  
A022967 23.5542  $-1/2*(-11-2*x+(121-4*x)^{(1/2)})/(x+12)$  revogf  
A022967 32.2779  $-2*(-5+6*x)/(12*x-11)/(x-1)$  lgdogf  
A022967 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 11, a(1) = 10}],$  ogf]  
A022968 14.5192  $[ -(13*x-12)/(x-1)^2$  ogf]  
A022968 32.1257  $-( -11+13*x)/(13*x-12)/(x-1)$  lgdogf  
A022968 32.1257  $-( -6-x+(36-x)^{(1/2)})/(13+x)$  revogf  
A022968 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 12, a(1) = 11}],$  ogf]  
A022969 14.5192  $[ -(14*x-13)/(x-1)^2$  ogf]  
A022969 23.3320  $-1/2*(-13-2*x+(169-4*x)^{(1/2)})/(14+x)$  revogf  
A022969 31.9734  $-2*(-6+7*x)/(14*x-13)/(x-1)$  lgdogf  
A022969 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 13, a(1) = 12}],$  ogf]  
A022970 14.5192  $[ -(15*x-14)/(x-1)^2$  ogf]  
A022970 31.8212  $-( -13+15*x)/(15*x-14)/(x-1)$  lgdogf  
A022970 31.8212  $-( -7-x+(49-x)^{(1/2)})/(15+x)$  revogf  
A022970 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 14, a(1) = 13}],$  ogf]  
A022971 14.5192  $[ -(16*x-15)/(x-1)^2$  ogf]  
A022971 23.1098  $-1/2*(-15-2*x+(225-4*x)^{(1/2)})/(16+x)$  revogf  
A022971 31.6689  $-2*(-7+8*x)/(16*x-15)/(x-1)$  lgdogf  
A022971 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 15, a(1) = 14}],$  ogf]  
A022972 14.5192  $[ -(17*x-16)/(x-1)^2$  ogf]  
A022972 30.3911  $-( -8-x+(-x+64)^{(1/2)})/(17+x)$  revogf  
A022972 31.5167  $-( -15+17*x)/(17*x-16)/(x-1)$  lgdogf  
A022972 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 16, a(1) = 15}],$  ogf]  
A022973 14.5192  $[ -(18*x-17)/(x-1)^2$  ogf]  
A022973 22.8875  $-1/2*(-17-2*x+(289-4*x)^{(1/2)})/(18+x)$  revogf  
A022973 31.3644  $-2*(-8+9*x)/(18*x-17)/(x-1)$  lgdogf  
A022973 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 17, a(1) = 16}],$  ogf]  
A022974 14.5192  $[ -(19*x-18)/(x-1)^2$  ogf]  
A022974 31.2122  $-( -17+19*x)/(19*x-18)/(x-1)$  lgdogf  
A022974 31.2122  $-( -9-x+(81-x)^{(1/2)})/(19+x)$  revogf  
A022974 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 18, a(1) = 17}],$  ogf]  
A022975 14.5192  $[ -(20*x-19)/(x-1)^2$  ogf]  
A022975 22.6653  $-1/2*(-19-2*x+(361-4*x)^{(1/2)})/(20+x)$  revogf  
A022975 29.9506  $-2*(-9+10*x)/(20*x-19)/(x-1)$  lgdogf  
A022975 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 19, a(1) = 18}],$  ogf]  
A022976 14.5192  $[ -(21*x-20)/(x-1)^2$  ogf]  
A022976 28.7761  $-( -10-x+(100-x)^{(1/2)})/(21+x)$  revogf  
A022976 30.9077  $-( -19+21*x)/(21*x-20)/(x-1)$  lgdogf  
A022976 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 20, a(1) = 19}],$  ogf]  
A022977 14.5192  $[ -(22*x-21)/(x-1)^2$  ogf]  
A022977 22.4431  $-1/2*(-21-2*x+(441-4*x)^{(1/2)})/(22+x)$  revogf

A022977 28.6343  $-2*(-10+11*x)/(22*x-21)/(x-1)$  lgdogf  
A022977 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 21, a(1) = 20}]$ , ogf]  
A022978 14.5192  $[ -(23*x-22)/(x-1)^2$  ogf]  
A022978 28.4926  $-(-11-x+(121-x)^(1/2))/(23+x)$  revogf  
A022978 30.6031  $-(-21+23*x)/(23*x-22)/(x-1)$  lgdogf  
A022978 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 22, a(1) = 21}]$ , ogf]  
A022979 14.5192  $[ -(24*x-23)/(x-1)^2$  ogf]  
A022979 22.2209  $-1/2*(-23-2*x+(529-4*x)^(1/2))/(24+x)$  revogf  
A022979 29.3634  $-2*(12*x-11)/(24*x-23)/(x-1)$  lgdogf  
A022979 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 23, a(1) = 22}]$ , ogf]  
A022980 14.5192  $[ -(25*x-24)/(x-1)^2$  ogf]  
A022980 28.2091  $-(-12-x+(144-x)^(1/2))/(25+x)$  revogf  
A022980 30.2986  $-(-23+25*x)/(25*x-24)/(x-1)$  lgdogf  
A022980 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 24, a(1) = 23}]$ , ogf]  
A022981 14.5192  $[ -(26*x-25)/(x-1)^2$  ogf]  
A022981 21.9987  $-1/2*(-25-2*x+(625-4*x)^(1/2))/(26+x)$  revogf  
A022981 28.0673  $-2*(-12+13*x)/(26*x-25)/(x-1)$  lgdogf  
A022981 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 25, a(1) = 24}]$ , ogf]  
A022982 14.5192  $[ -(27*x-26)/(x-1)^2$  ogf]  
A022982 27.9256  $-(-13-x+(169-x)^(1/2))/(27+x)$  revogf  
A022982 29.9941  $-(-25+27*x)/(27*x-26)/(x-1)$  lgdogf  
A022982 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 26, a(1) = 25}]$ , ogf]  
A022983 14.5192  $[ -(28*x-27)/(x-1)^2$  ogf]  
A022983 21.7765  $-1/2*(-27-2*x+(729-4*x)^(1/2))/(28+x)$  revogf  
A022983 27.7838  $-2*(-13+14*x)/(28*x-27)/(x-1)$  lgdogf  
A022983 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 27, a(1) = 26}]$ , ogf]  
A022984 14.5192  $[ -(29*x-28)/(x-1)^2$  ogf]  
A022984 27.6421  $-(-14-x+(196-x)^(1/2))/(29+x)$  revogf  
A022984 29.6896  $-(-27+29*x)/(29*x-28)/(x-1)$  lgdogf  
A022984 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 28, a(1) = 27}]$ , ogf]  
A022985 14.5192  $[ -(30*x-29)/(x-1)^2$  ogf]  
A022985 21.5543  $-1/2*(-29-2*x+(841-4*x)^(1/2))/(30+x)$  revogf  
A022985 27.5003  $-2*(-14+15*x)/(30*x-29)/(x-1)$  lgdogf  
A022985 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 29, a(1) = 28}]$ , ogf]  
A022986 14.5192  $[ -(31*x-30)/(x-1)^2$  ogf]  
A022986 27.3585  $-(-15-x+(225-x)^(1/2))/(31+x)$  revogf  
A022986 29.3851  $-(-29+31*x)/(31*x-30)/(x-1)$  lgdogf  
A022986 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 30, a(1) = 29}]$ , ogf]  
A022987 14.5192  $[ -(32*x-31)/(x-1)^2$  ogf]  
A022987 21.3321  $-1/2*(-31-2*x+(961-4*x)^(1/2))/(x+32)$  revogf  
A022987 27.2168  $-2*(-15+16*x)/(32*x-31)/(x-1)$  lgdogf  
A022987 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 31, a(1) = 30}]$ , ogf]  
A022988 14.5192  $[ -(33*x-32)/(x-1)^2$  ogf]  
A022988 27.0750  $-(-16-x+(256-x)^(1/2))/(33+x)$  revogf  
A022988 29.0806  $-(-31+33*x)/(33*x-32)/(x-1)$  lgdogf  
A022988 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 32, a(1) = 31}]$ , ogf]  
A022989 14.5192  $[ -(34*x-33)/(x-1)^2$  ogf]  
A022989 20.5543  $-1/2*(-33-2*x+(1089-4*x)^(1/2))/(34+x)$  revogf  
A022989 26.0355  $-2*(-16+17*x)/(34*x-33)/(-1+x)$  lgdogf  
A022989 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 33, a(1) = 32}]$ , ogf]  
A022990 14.5192  $[ -(35*x-34)/(x-1)^2$  ogf]  
A022990 26.7915  $-(-17-x+(289-x)^(1/2))/(35+x)$  revogf  
A022990 27.7484  $-(-33+35*x)/(35*x-34)/(-1+x)$  lgdogf  
A022990 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 34, a(1) = 33}]$ , ogf]  
A022991 14.5192  $[ -(36*x-35)/(x-1)^2$  ogf]  
A022991 20.3380  $-1/2*(-35-2*x+(1225-4*x)^(1/2))/(36+x)$  revogf  
A022991 26.6498  $-2*(-17+18*x)/(36*x-35)/(x-1)$  lgdogf  
A022991 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 35, a(1) = 34}]$ , ogf]  
A022992 14.5192  $[ -(37*x-36)/(x-1)^2$  ogf]  
A022992 26.5080  $-(-18-x+(324-x)^(1/2))/(37+x)$  revogf  
A022992 28.4716  $-(-35+37*x)/(37*x-36)/(x-1)$  lgdogf

A022992 8.12386 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 36, a(1) = 35\}$ , ogf]  
A022993 14.5192 [ $-(38*x-37)/(x-1)^2$  ogf]  
A022993 20.1216  $-1/2*(-37-2*x+(1369-4*x)^{1/2})/(38+x)$  revogf  
A022993 26.3663  $-2*(-18+19*x)/(38*x-37)/(x-1)$  lgdogf  
A022993 8.12386 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 37, a(1) = 36\}$ , ogf]  
A022994 14.5192 [ $-(39*x-38)/(x-1)^2$  ogf]  
A022994 26.2245  $-(-19-x+(361-x)^{1/2})/(39+x)$  revogf  
A022994 8.12386 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 38, a(1) = 37\}$ , ogf]  
A022995 14.5192 [ $-(40*x-39)/(x-1)^2$  ogf]  
A022995 19.9053  $-1/2*(-39-2*x+(1521-4*x)^{1/2})/(40+x)$  revogf  
A022995 26.0828  $-2*(-19+20*x)/(40*x-39)/(x-1)$  lgdogf  
A022995 8.12386 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 39, a(1) = 38\}$ , ogf]  
A022996 14.5192 [ $-(41*x-40)/(x-1)^2$  ogf]  
A022996 25.9410  $-(-20-x+(400-x)^{1/2})/(41+x)$  revogf  
A022996 27.8626  $-(-39+41*x)/(41*x-40)/(x-1)$  lgdogf  
A022996 8.12386 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 40, a(1) = 39\}$ , ogf]  
A022997 4.37711 [ $\{(2*n^2+19*n+45)*a(n+1)+(-2*n^2-7*n-5)*a(n+3), a(0) = 0, a(1) = 15, a(2) = 28\}$ , ogf]  
A022997 5.62771 [ $x*(x^6+5*x^4+20*x^3+75*x^2+28*x+15)/(x-1)^4/(x+1)^4$  ogf]  
A022997 6.24108  $-2*(14+135*x+13*x^5+x^7+50*x^4+235*x^3+128*x^2)/(x-1)/(x+1)/(x^6+5*x^4+20*x^3+75*x^2+28*x+15)$  lgdogf  
A022998 14.3187 [ $x*(x^2+4*x+1)/(x-1)^2/(x+1)^2$  ogf]  
A022998 19.5632  $-2*(2+3*x+x^3+6*x^2)/(x-1)/(x+1)/(1+x^2+4*x)$  lgdogf  
A022998 7.59512 [ $\{(n+3)*a(n+1)+(-n-1)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A023000 15.4630  $-1/14*(-1-8*x+(1+16*x+36*x^2)^{1/2})/x$  revogf  
A023000 18.0826 [ $x/(7*x-1)/(x-1)$  ogf]  
A023000 23.5037  $-2*(-4+7*x)/(7*x-1)/(x-1)$  lgdogf  
A023000 7.36699 [ $\{a(n+2)-8*a(n+1)+7*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A023001 16.2641  $-1/16*(-1-9*x+(1+18*x+49*x^2)^{1/2})/x$  revogf  
A023001 19.0052 [ $x/(8*x-1)/(x-1)$  ogf]  
A023001 24.7215  $-(-9+16*x)/(-1+8*x)/(x-1)$  lgdogf  
A023001 7.74285 [ $\{a(n+2)-9*a(n+1)+8*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A023003 31.4689 [ $4/(-x+1)$  ogf\_with\_Euler\_transform]  
A023004 32.0048 [ $5/(-x+1)$  ogf\_with\_Euler\_transform]  
A023005 30.4404 [ $6/(-x+1)$  ogf\_with\_Euler\_transform]  
A023006 38.8163 [ $7/(-x+1)$  ogf\_with\_Euler\_transform]  
A023007 29.9262 [ $8/(-x+1)$  ogf\_with\_Euler\_transform]  
A023008 29.3229 [ $9/(-x+1)$  ogf\_with\_Euler\_transform]  
A023009 29.0723 [ $10/(-x+1)$  ogf\_with\_Euler\_transform]  
A023010 28.1033 [ $11/(-x+1)$  ogf\_with\_Euler\_transform]  
A023011 27.6246 [ $13/(-x+1)$  ogf\_with\_Euler\_transform]  
A023012 24.2528 [ $14/(-x+1)$  ogf\_with\_Euler\_transform]  
A023013 24.7283 [ $15/(-x+1)$  ogf\_with\_Euler\_transform]  
A023014 27.4958 [ $16/(-x+1)$  ogf\_with\_Euler\_transform]  
A023015 27.9782 [ $17/(-x+1)$  ogf\_with\_Euler\_transform]  
A023016 24.0049 [ $18/(-x+1)$  ogf\_with\_Euler\_transform]  
A023017 24.7075 [ $19/(-x+1)$  ogf\_with\_Euler\_transform]  
A023018 24.7075 [ $20/(-x+1)$  ogf\_with\_Euler\_transform]  
A023019 23.2745 [ $21/(-x+1)$  ogf\_with\_Euler\_transform]  
A023020 23.3897 [ $22/(-x+1)$  ogf\_with\_Euler\_transform]  
A023021 28.6516 [ $23/(-x+1)$  ogf\_with\_Euler\_transform]  
A023038 15.1089 [ $-(6*x-1)/(x^2-12*x+1)$  ogf]  
A023038 8.37360 [ $\{a(n+2)-12*a(n+1)+a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A023039 11.9488 [ $-(9*x-1)/(x^2-18*x+1)$  ogf]  
A023039 15.3803  $-(-9-2*x+9*x^2)/(9*x-1)/(1-18*x+x^2)$  lgdogf  
A023039 6.62220 [ $\{a(n+2)-18*a(n+1)+a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A023043 5.39984 [ $-(x^6+15*x^4+40*x^3+135*x^2+264*x+265)/(x-1)^7$  egf]  
A023053 13.0265  $1/2/(x-1)^2*(-x+1+(5*x-1)*(x-1)^{1/2})*x$  revogf  
A023054 26.6894 [ $-x^4+x^2+2*x+1$  ogf\_with\_Euler\_transform]  
A023054 9.11729 [ $-(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]



A023054 9.86364  $-(1+7*x+13*x^5+3*x^7+7*x^6+19*x^4+24*x^3+16*x^2)/(x-1)/(1+x)/(x^2+x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A023105 11.5412  $[-(x^3+3*x^2-1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A023105 12.2660  $-(2-4*x+7*x^4+4*x^3-3*x^2)/(x-1)/(2*x-1)/(x+1)/(x^3+3*x^2-1)$  lgdogf  
A023105 5.68317  $[{a(n+4)-2*a(n+3)-a(n+2)+2*a(n+1), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 3},$  ogf]  
A023111 5.23502  $[{a(n+3)-1443*a(n+2)+1443*a(n+1)-a(n), a(0) = 0, a(1) = 36, a(2) = 51984},$  ogf]  
A023111 9.82574  $[-36*x*(x+1)/(x-1)/(x^2-1442*x+1)$  ogf]  
A023112 3.53884  $[{a(n+3)-1443*a(n+2)+1443*a(n+1)-a(n), a(0) = 0, a(1) = 144, a(2) = 207936},$  ogf]  
A023112 6.54949  $[-144*x*(x+1)/(x-1)/(x^2-1442*x+1)$  ogf]  
A023113 5.04802  $[-(x^4+24*x^3+382*x^2+24*x+1)/(x-1)/(x^2+38*x+1)/(x^2-38*x+1)$  ogf]  
A023114 5.00807  $[-4*x*(x+1)*(x^4+2*x^3+75*x^2+2*x+1)/(x-1)/(x^6-1442*x^3+1)$  ogf]  
A023358 10.4407  $-(1+8*x^7+27*x^26)/(x^2+1)/(x^25-x^23+x^21-x^19+x^17-x^15+x^13-x^11+x^9-x^7+x^6+x^5-x^4-x^3+x^2+x-1)$  lgdogf  
A023358 25.2533  $[-1/(x^2+1)/(x^25-x^23+x^21-x^19+x^17-x^15+x^13-x^11+x^9-x^7+x^6+x^5-x^4-x^3+x^2+x-1)$  ogf]  
A023424 7.89905  $-(3+5*x^8+8*x^7+8*x^6+8*x+20*x^3-5*x^4+4*x^5+14*x^2)/(5*x^4+4*x^3+3*x^2+2*x+1)/(x^5+x^4+x^3+x^2+x-1)$  lgdogf  
A023424 8.64527  $[-(5*x^4+4*x^3+3*x^2+2*x+1)/(x^5+x^4+x^3+x^2+x-1)$  ogf]  
A023431 17.7586  $1/2/x^2*(-1-x+(1+x^2+2*x+4*x^3)^(1/2))$  revogf  
A023434 19.7203  $[x/(x-1)/(x^3+x^2-1)$  ogf]  
A023434 24.1509  $-(-1-2*x+4*x^3)/(x-1)/(x^3+x^2-1)$  lgdogf  
A023435 15.9076  $-(-1-2*x+5*x^4)/(x-1)/(x+1)/(x^3+x-1)$  lgdogf  
A023435 18.7528  $[x/(x-1)/(x+1)/(x^3+x-1)$  ogf]  
A023436 14.1227  $[x/(x-1)/(x^5+x^4+x^3+x^2-1)$  ogf]  
A023436 15.2363  $-(-1-2*x+6*x^5)/(x-1)/(x^5+x^4+x^3+x^2-1)$  lgdogf  
A023437 13.7766  $[x/(x-1)/(x+1)/(x^5+x^3+x-1)$  ogf]  
A023437 14.8585  $-(-1+7*x^6-2*x)/(x-1)/(x+1)/(x^5+x^3+x-1)$  lgdogf  
A023438 12.4326  $-(-1+8*x^7-2*x)/(x-1)/(x^7+x^6+x^5+x^4+x^3+x^2-1)$  lgdogf  
A023438 13.7766  $[x/(x-1)/(x^7+x^6+x^5+x^4+x^3+x^2-1)$  ogf]  
A023439 13.6970  $-(-1+9*x^8-2*x)/(x-1)/(x+1)/(x^7+x^5+x^3+x-1)$  lgdogf  
A023439 13.9359  $[x/(x-1)/(x+1)/(x^7+x^5+x^3+x-1)$  ogf]  
A023440 10.6888  $-(-1+10*x^9-2*x)/(x-1)/(x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2-1)$  lgdogf  
A023440 13.7109  $[x/(x-1)/(x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2-1)$  ogf]  
A023441 12.1559  $-(-1-2*x+11*x^10)/(x-1)/(x+1)/(x^9+x^7+x^5+x^3+x-1)$  lgdogf  
A023441 13.7109  $[x/(x-1)/(x+1)/(x^9+x^7+x^5+x^3+x-1)$  ogf]  
A023442 13.7109  $[x/(x-1)/(x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2-1)$  ogf]  
A023442 8.98477  $-(-1-2*x+12*x^11)/(x-1)/(x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2-1)$  lgdogf  
A023443 11.5133  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -1, a(1) = 0},$  ogf]  
A023443 20.7240  $[(2*x-1)/(x-1)^2$  ogf]  
A023443 27.9983  $1/2/(-2+x)*(-1+2*x+(1+4*x)^(1/2))$  revogf  
A023443 51.3302  $-2*x/(2*x-1)/(x-1)$  lgdogf  
A023444 14.7980  $[(3*x-2)/(x-1)^2$  ogf]  
A023444 26.4741  $(-1+x+(1+x)^(1/2))/(-3+x)$  revogf  
A023444 28.7762  $-(-1+3*x)/(3*x-2)/(x-1)$  lgdogf  
A023444 8.12088  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -2, a(1) = -1},$  ogf]  
A023445 15.0416  $[(4*x-3)/(x-1)^2$  ogf]  
A023445 20.5113  $1/2/(-4+x)*(-3+2*x+(9+4*x)^(1/2))$  revogf  
A023445 28.2030  $-2*(2*x-1)/(4*x-3)/(x-1)$  lgdogf  
A023445 8.25454  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -3, a(1) = -2},$  ogf]  
A023446 14.9510  $[(5*x-4)/(x-1)^2$  ogf]  
A023446 27.0749  $(-2+x+(4+x)^(1/2))/(-5+x)$  revogf  
A023446 29.4292  $-(-3+5*x)/(5*x-4)/(x-1)$  lgdogf  
A023446 8.20480  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -4, a(1) = -3},$  ogf]

A023447 14.8604 [ (6\*x-5)/(x-1)^2 ogf]  
A023447 19.9080 1/2/(-6+x)\*(-5+2\*x+(25+4\*x)^(1/2)) revogf  
A023447 28.2030 -2\*(3\*x-2)/(6\*x-5)/(x-1) lgdogf  
A023447 8.15509 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = -5, a(1) = -4}, ogf]  
A023448 15.1036 [ (7\*x-6)/(x-1)^2 ogf]  
A023448 27.6777 (-3+x+(9+x)^(1/2))/(-7+x) revogf  
A023448 30.0845 -(-5+7\*x)/(7\*x-6)/(x-1) lgdogf  
A023448 8.28854 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = -6, a(1) = -5}, ogf]  
A023449 15.0126 [ (8\*x-7)/(x-1)^2 ogf]  
A023449 20.3513 1/2/(-8+x)\*(-7+2\*x+(49+4\*x)^(1/2)) revogf  
A023449 28.8310 -2\*(4\*x-3)/(8\*x-7)/(x-1) lgdogf  
A023449 8.23861 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = -7, a(1) = -6}, ogf]  
A023450 14.9216 [ (9\*x-8)/(x-1)^2 ogf]  
A023450 26.6132 (-4+x+(16+x)^(1/2))/(-9+x) revogf  
A023450 30.0845 -(-7+9\*x)/(9\*x-8)/(x-1) lgdogf  
A023450 8.18868 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = -8, a(1) = -7}, ogf]  
A023451 14.8349 [ (10\*x-9)/(x-1)^2 ogf]  
A023451 20.2020 1/2/(-10+x)\*(-9+2\*x+(81+4\*x)^(1/2)) revogf  
A023451 28.2828 -2\*(5\*x-4)/(10\*x-9)/(x-1) lgdogf  
A023451 8.32200 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = -9, a(1) = -8}, ogf]  
A023452 14.5192 [ (11\*x-10)/(x-1)^2 ogf]  
A023452 26.3400 (-5+x+(25+x)^(1/2))/(-11+x) revogf  
A023452 27.3531 -(-9+11\*x)/(11\*x-10)/(x-1) lgdogf  
A023452 8.22173 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = -10, a(1) = -9}, ogf]  
A023453 14.5192 [ (12\*x-11)/(x-1)^2 ogf]  
A023453 19.3322 1/2/(-12+x)\*(-11+2\*x+(121+4\*x)^(1/2)) revogf  
A023453 26.4923 -2\*(-5+6\*x)/(12\*x-11)/(x-1) lgdogf  
A023453 8.12386 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = -11, a(1) = -10}, ogf]  
A023454 14.5192 [ (13\*x-12)/(x-1)^2 ogf]  
A023454 26.6445 (-6+x+(36+x)^(1/2))/(-13+x) revogf  
A023454 26.6445 -(-11+13\*x)/(13\*x-12)/(x-1) lgdogf  
A023454 8.12386 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = -12, a(1) = -11}, ogf]  
A023455 14.5192 [ (14\*x-13)/(x-1)^2 ogf]  
A023455 19.5544 1/2/(-14+x)\*(-13+2\*x+(169+4\*x)^(1/2)) revogf  
A023455 26.7968 -2\*(-6+7\*x)/(14\*x-13)/(x-1) lgdogf  
A023455 8.12386 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = -13, a(1) = -12}, ogf]  
A023456 14.5192 [ (15\*x-14)/(x-1)^2 ogf]  
A023456 26.9490 (-7+x+(49+x)^(1/2))/(-15+x) revogf  
A023456 26.9490 -(-13+15\*x)/(15\*x-14)/(x-1) lgdogf  
A023456 8.12386 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = -14, a(1) = -13}, ogf]  
A023457 14.5192 [ (16\*x-15)/(x-1)^2 ogf]  
A023457 19.7766 1/2/(-16+x)\*(-15+2\*x+(225+4\*x)^(1/2)) revogf  
A023457 27.1013 -2\*(-7+8\*x)/(16\*x-15)/(x-1) lgdogf  
A023457 8.12386 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = -15, a(1) = -14}, ogf]  
A023458 14.5192 [ (17\*x-16)/(x-1)^2 ogf]  
A023458 27.2535 (-8+x+(64+x)^(1/2))/(-17+x) revogf  
A023458 27.2535 -(-15+17\*x)/(17\*x-16)/(x-1) lgdogf  
A023458 8.12386 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = -16, a(1) = -15}, ogf]  
A023459 14.5192 [ (18\*x-17)/(x-1)^2 ogf]  
A023459 19.9988 1/2/(-18+x)\*(-17+2\*x+(289+4\*x)^(1/2)) revogf  
A023459 28.4599 -2\*(9\*x-8)/(18\*x-17)/(x-1) lgdogf  
A023459 8.12386 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = -17, a(1) = -16}, ogf]  
A023460 14.5192 [ (19\*x-18)/(x-1)^2 ogf]  
A023460 27.5581 (-9+x+(81+x)^(1/2))/(-19+x) revogf  
A023460 27.5581 -(-17+19\*x)/(19\*x-18)/(x-1) lgdogf  
A023460 8.12386 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = -18, a(1) = -17}, ogf]  
A023461 14.5192 [ (20\*x-19)/(x-1)^2 ogf]  
A023461 20.2210 1/2/(-20+x)\*(-19+2\*x+(361+4\*x)^(1/2)) revogf  
A023461 27.7103 -2\*(10\*x-9)/(20\*x-19)/(x-1) lgdogf  
A023461 8.12386 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = -19, a(1) = -18}, ogf]  
A023462 14.5192 [ (21\*x-20)/(x-1)^2 ogf]

A023462 25.9410  $(-10+x+(100+x)^{(1/2)})/(-21+x)$  revogf  
A023462 27.8626  $-(-19+21*x)/(21*x-20)/(x-1)$  lgdogf  
A023462 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -20, a(1) = -19}]$ , ogf]  
A023463 14.5192  $[ (22*x-21)/(x-1)^2$  ogf]  
A023463 20.4432  $1/2/(-22+x)*(-21+2*x+(441+4*x)^{(1/2)})$  revogf  
A023463 27.0143  $-2*(11*x-10)/(22*x-21)/(x-1)$  lgdogf  
A023463 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -21, a(1) = -20}]$ , ogf]  
A023464 14.5192  $[ (23*x-22)/(x-1)^2$  ogf]  
A023464 26.2245  $(-11+x+(121+x)^{(1/2)})/(-23+x)$  revogf  
A023464 28.1671  $-(-21+23*x)/(23*x-22)/(x-1)$  lgdogf  
A023464 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -22, a(1) = -21}]$ , ogf]  
A023465 14.5192  $[ (24*x-23)/(x-1)^2$  ogf]  
A023465 20.6655  $1/2/(-24+x)*(-23+2*x+(529+4*x)^{(1/2)})$  revogf  
A023465 27.3079  $-2*(12*x-11)/(24*x-23)/(x-1)$  lgdogf  
A023465 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -23, a(1) = -22}]$ , ogf]  
A023466 14.5192  $[ (25*x-24)/(x-1)^2$  ogf]  
A023466 26.5080  $(-12+x+(144+x)^{(1/2)})/(-25+x)$  revogf  
A023466 28.4716  $-(-23+25*x)/(25*x-24)/(x-1)$  lgdogf  
A023466 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -24, a(1) = -23}]$ , ogf]  
A023467 14.5192  $[ (26*x-25)/(x-1)^2$  ogf]  
A023467 20.8877  $1/2/(-26+x)*(-25+2*x+(625+4*x)^{(1/2)})$  revogf  
A023467 27.6016  $-2*(13*x-12)/(26*x-25)/(x-1)$  lgdogf  
A023467 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -25, a(1) = -24}]$ , ogf]  
A023468 14.5192  $[ (27*x-26)/(x-1)^2$  ogf]  
A023468 26.7915  $(-13+x+(169+x)^{(1/2)})/(-27+x)$  revogf  
A023468 28.7761  $-(-25+27*x)/(27*x-26)/(x-1)$  lgdogf  
A023468 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -26, a(1) = -25}]$ , ogf]  
A023469 14.5192  $[ (28*x-27)/(x-1)^2$  ogf]  
A023469 21.1099  $1/2/(-28+x)*(-27+2*x+(729+4*x)^{(1/2)})$  revogf  
A023469 27.8952  $-2*(14*x-13)/(28*x-27)/(x-1)$  lgdogf  
A023469 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -27, a(1) = -26}]$ , ogf]  
A023470 14.5192  $[ (29*x-28)/(x-1)^2$  ogf]  
A023470 27.0750  $(-14+x+(196+x)^{(1/2)})/(-29+x)$  revogf  
A023470 29.0806  $-(-27+29*x)/(29*x-28)/(x-1)$  lgdogf  
A023470 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -28, a(1) = -27}]$ , ogf]  
A023471 14.5192  $[ (30*x-29)/(x-1)^2$  ogf]  
A023471 21.3321  $1/2/(-30+x)*(-29+2*x+(841+4*x)^{(1/2)})$  revogf  
A023471 28.1888  $-2*(15*x-14)/(30*x-29)/(x-1)$  lgdogf  
A023471 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -29, a(1) = -28}]$ , ogf]  
A023472 14.5192  $[ (31*x-30)/(x-1)^2$  ogf]  
A023472 27.3585  $(-15+x+(225+x)^{(1/2)})/(-31+x)$  revogf  
A023472 29.3851  $-(-29+31*x)/(31*x-30)/(x-1)$  lgdogf  
A023472 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -30, a(1) = -29}]$ , ogf]  
A023473 14.5192  $[ (32*x-31)/(x-1)^2$  ogf]  
A023473 21.5543  $1/2/(-32+x)*(-31+2*x+(961+4*x)^{(1/2)})$  revogf  
A023473 28.4825  $-2*(16*x-15)/(32*x-31)/(x-1)$  lgdogf  
A023473 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -31, a(1) = -30}]$ , ogf]  
A023474 14.5192  $[ (33*x-32)/(x-1)^2$  ogf]  
A023474 27.6421  $(-16+x+(256+x)^{(1/2)})/(-33+x)$  revogf  
A023474 29.6896  $-(-31+33*x)/(33*x-32)/(x-1)$  lgdogf  
A023474 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -32, a(1) = -31}]$ , ogf]  
A023475 14.5192  $[ (34*x-33)/(x-1)^2$  ogf]  
A023475 21.2034  $1/2/(-34+x)*(-33+2*x+(1089+4*x)^{(1/2)})$  revogf  
A023475 28.7761  $-2*(17*x-16)/(34*x-33)/(x-1)$  lgdogf  
A023475 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -33, a(1) = -32}]$ , ogf]  
A023476 14.5192  $[ (35*x-34)/(x-1)^2$  ogf]  
A023476 27.9256  $(-17+x+(289+x)^{(1/2)})/(-35+x)$  revogf  
A023476 29.9941  $-(-33+35*x)/(35*x-34)/(x-1)$  lgdogf  
A023476 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -34, a(1) = -33}]$ , ogf]  
A023477 14.5192  $[ (36*x-35)/(x-1)^2$  ogf]  
A023477 21.4198  $1/2/(-36+x)*(-35+2*x+(1225+4*x)^{(1/2)})$  revogf

A023477 29.0697  $-2*(18*x-17)/(36*x-35)/(x-1)$  lgdogf  
A023477 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -35, a(1) = -34}]$ , ogf]  
A023478 14.5192  $[(37*x-36)/(x-1)^2$  ogf]  
A023478 28.2091  $(-18+x+(324+x)^{(1/2)})/(-37+x)$  revogf  
A023478 30.2986  $(-35+37*x)/(37*x-36)/(x-1)$  lgdogf  
A023478 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -36, a(1) = -35}]$ , ogf]  
A023479 14.5192  $[(38*x-37)/(x-1)^2$  ogf]  
A023479 21.6362  $1/2/(-38+x)*(-37+2*x+(1369+4*x)^{(1/2)})$  revogf  
A023479 28.3508  $-2*(-18+19*x)/(38*x-37)/(x-1)$  lgdogf  
A023479 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -37, a(1) = -36}]$ , ogf]  
A023480 14.5192  $[(39*x-38)/(x-1)^2$  ogf]  
A023480 28.4926  $(-19+x+(361+x)^{(1/2)})/(-39+x)$  revogf  
A023480 30.6031  $(-37+39*x)/(39*x-38)/(x-1)$  lgdogf  
A023480 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -38, a(1) = -37}]$ , ogf]  
A023481 14.5192  $[(40*x-39)/(x-1)^2$  ogf]  
A023481 21.8525  $1/2/(-40+x)*(-39+2*x+(1521+4*x)^{(1/2)})$  revogf  
A023481 28.6343  $-2*(-19+20*x)/(40*x-39)/(x-1)$  lgdogf  
A023481 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -39, a(1) = -38}]$ , ogf]  
A023482 14.5192  $[(41*x-40)/(x-1)^2$  ogf]  
A023482 28.7761  $(-20+x+(400+x)^{(1/2)})/(-41+x)$  revogf  
A023482 30.9077  $(-39+41*x)/(41*x-40)/(x-1)$  lgdogf  
A023482 8.12386  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -40, a(1) = -39}]$ , ogf]  
A023484 6.04339  $[-(x^{10}-2*x^8+x^7+x^6-x^4+6*x^3-6*x^2-6*x+5)/(x^2+x-1)/(x-1)^2$  ogf]  
A023486 5.97538  $[-(x^{10}-2*x^8+x^7+x^6-x^4+6*x^3-4*x^2-10*x+7)/(x^2+x-1)/(x-1)^2$  ogf]  
A023490 5.45927  $[-(x^{15}-2*x^{13}+x^{12}+x^9-2*x^7+2*x^6+3*x^3-6*x^2-2*x+3)/(x^2+x-1)/(x-1)^2$  ogf]  
A023491 5.65524  $[-(x^{15}-2*x^{13}+x^{12}+x^9-2*x^7+2*x^6+3*x^3-5*x^2-4*x+4)/(x^2+x-1)/(x-1)^2$  ogf]  
A023493 5.44413  $[-(x^{15}-2*x^{13}+x^{12}+x^9-2*x^7+2*x^6+3*x^3-4*x^2-6*x+5)/(x^2+x-1)/(x-1)^2$  ogf]  
A023494 5.55523  $[-(x^{15}-2*x^{13}+x^{12}+x^9-2*x^7+2*x^6+4*x^3-6*x^2-5*x+5)/(x^2+x-1)/(x-1)^2$  ogf]  
A023537 13.1591  $[-(2*x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A023537 17.3633  $(-5-x+6*x^3+6*x^2)/(x-1)/(2*x+1)/(x^2+x-1)$  lgdogf  
A023537 4.33896  $[{-3*n-13)*a(n+1)-3*a(n+2)+(6*n+23)*a(n+3)+(-3*n-10)*a(n+4), a(0) = 1, a(1) = 5, a(2) = 13, a(3) = 28}]$ , ogf]  
A023540 8.54685  $-2*(6*x-1)*(165*x^2-146*x+13)/(x-1)/(9*x-1)/(5*x-1)/(11*x-1)$  lgdogf  
A023540 9.35971  $[1/(x-1)/(9*x-1)/(5*x-1)/(11*x-1)$  ogf]  
A023545 10.8338  $[(2*x-3)*(x-2)/(x-1)^4$  ogf]  
A023545 20.3495  $(-17-17*x+4*x^2)/(x-1)/(x-2)/(2*x-3)$  lgdogf  
A023548 12.8067  $[(x-2)/(x^2+x-1)/(x-1)^2$  ogf]  
A023548 12.8760  $(-5-3*x+3*x^3-7*x^2)/(x-2)/(x-1)/(x^2+x-1)$  lgdogf  
A023548 4.26889  $[{-n-6)*a(n+1)-a(n+2)+(2*n+11)*a(n+3)+(-n-5)*a(n+4), a(0) = 2, a(1) = 5, a(2) = 11, a(3) = 21}]$ , ogf]  
A023549 7.43709  $[(2*x+1)*(x-2)/(x^2+x-1)/(x-1)^2$  ogf]  
A023549 9.25611  $(-4*x-3)*(x^3-x^2-3*x-3)/(x-1)/(x-2)/(2*x+1)/(x^2+x-1)$  lgdogf  
A023550 11.6854  $[(x+1)*(x-2)/(x^2+x-1)/(x-1)^2$  ogf]  
A023550 14.6659  $(-7-3*x-2*x^3+2*x^4-8*x^2)/(x-1)/(x-2)/(x+1)/(x^2+x-1)$  lgdogf  
A023550 4.38202  $[{(2*n+11)*a(n+1)+2*a(n+2)+(-4*n-20)*a(n+3)+(2*n+9)*a(n+4), a(0) = 2, a(1) = 7, a(2) = 16, a(3) = 32}]$ , ogf]  
A023551 10.4510  $[(2*x-3)^2/(x-1)^4$  ogf]  
A023551 32.5781  $-4*(x-2)/(x-1)/(2*x-3)$  lgdogf  
A023551 4.78152  $[{(3*n+9)*a(n+3)+(-18-5*n)*a(n+2)+(6+2*n)*a(n+1), a(0) = 9, a(1) = 24, a(2) = 46}]$ , ogf]  
A023552 11.4488  $(-7-5*x+6*x^3-10*x^2)/(x-1)/(2*x-3)/(x^2+x-1)$  lgdogf  
A023552 13.0417  $[(2*x-3)/(x^2+x-1)/(x-1)^2$  ogf]  
A023552 4.34722  $[{-n-7)*a(n+1)-a(n+2)+(2*n+13)*a(n+3)+(-n-6)*a(n+4), a(0) = 3, a(1) = 7, a(2) = 15, a(3) = 28}]$ , ogf]

A023553 7.67855 [  $(2*x+1)*(2*x-3)/(x^2+x-1)/(x-1)^2$  ogf]  
A023553 8.60818  $-(13-7*x-8*x^3+8*x^4-12*x^2)/(x-1)/(2*x+1)/(2*x-3)/(x^2+x-1)$  lgdogf  
A023554 11.3359 [  $(x+1)*(2*x-3)/(x^2+x-1)/(x-1)^2$  ogf]  
A023554 4.20525 [  $\{(2*n+13)*a(n+1)+2*a(n+2)+(-4*n-24)*a(n+3)+(2*n+11)*a(n+4),$   
 $a(0) = 3, a(1) = 10, a(2) = 22, a(3) = 43\}$ , ogf]  
A023554 8.98504  $-(10-6*x-x^3+4*x^4-11*x^2)/(x-1)/(2*x-3)/(x+1)/(x^2+x-1)$  lgdogf  
A023607 11.0131 [  $x*(2*x+1)/(x^2+x-1)^2$  ogf]  
A023607 20.7433  $-2*(2+3*x+3*x^2)/(2*x+1)/(x^2+x-1)$  lgdogf  
A023607 3.67103 [  $\{(-3-n)*a(n+4)+(2-n)*a(n+3)+(9+3*n)*a(n+2)+(6+2*n)*a(n+1), a(0)$   
 $= 0, a(1) = 1, a(2) = 4, a(3) = 9\}$ , ogf]  
A023610 11.4066 [  $(x+1)/(x^2+x-1)^2$  ogf]  
A023610 22.7273  $-(3+5*x+3*x^2)/(x+1)/(x^2+x-1)$  lgdogf  
A023610 3.84423 [  $\{(-n-4)*a(n+4)+3*a(n+3)+(9+2*n)*a(n+2)+(n+4)*a(n+1), a(0) = 1,$   
 $a(1) = 3, a(2) = 7, a(3) = 15\}$ , ogf]  
A023619 11.2435 [  $(x+1)*(2*x+1)/(x^2+x-1)^2$  ogf]  
A023619 16.9265  $-(5+11*x+4*x^3+9*x^2)/(2*x+1)/(x+1)/(x^2+x-1)$  lgdogf  
A023620 11.3874 [  $-(x+1)*(2*x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A023620 13.3019  $-(6-6*x+11*x^3+4*x^4+9*x^2)/(x-1)/(2*x+1)/(x+1)/(x^2+x-1)$  lgdogf  
A023620 4.22437 [  $\{(-6*n-23)*a(n+1)-6*a(n+2)+(12*n+40)*a(n+3)+(-6*n-17)*a(n+4),$   
 $a(0) = 1, a(1) = 6, a(2) = 18, a(3) = 41\}$ , ogf]  
A023652 13.0215 [  $-(x+1)^2/(x^2+x-1)/(x-1)^2$  ogf]  
A023652 20.5566  $-(5+2*x+2*x^3+5*x^2)/(x-1)/(x+1)/(x^2+x-1)$  lgdogf  
A023652 4.93673 [  $\{(n+4)*a(n+1)+a(n+2)+(-2*n-7)*a(n+3)+(n+3)*a(n+4), a(0) = 1,$   
 $a(1) = 5, a(2) = 14, a(3) = 31\}$ , ogf]  
A023723 4.63467 [  $-(20*x^12-5*x^11-5*x^10-5*x^9-x^8-x^7-x^6-$   
 $x^5-26*x^4-25*x^3-25*x^2-25*x-25)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/$   
 $(x-1)^2$  ogf]  
A023737 4.25951 [  $x*(7*x^15+x^14+x^13+x^12+2*x^11+x^10+x^9+x^8+2*x^7+x^6+x^5+x^4+2*x^3+x^2+x+1)/(x$   
 $+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A023739 4.67094 [  $(2*x^12+x^11+x^10+x^9+x^8+5*x^7+5*x^6+5*x^5+5*x^4+25*x^3+25*x^2+25*x+24)/(x+1)/$   
 $(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A023772 8.54608  $-(27+478*x+2160*x^3-2259*x^2)/(x-1)/(9*x-1)/(5*x-1)/(12*x-1)$  lgdogf  
A023772 9.51148 [  $1/(x-1)/(9*x-1)/(5*x-1)/(12*x-1)$  ogf]  
A023804 28.9546 [  $-x^9+x^8+2$  ogf\_with\_Euler\_transform]  
A023804 6.85031 [  $x*(x+1)*(x^4+x^3+x^2+x+1)*(x^4-x^3+x^2-x+1)/(x^2+x+1)/$   
 $(x^6+x^3+1)/(x-1)^2$  ogf]  
A023805 27.0865 [  $-x^11+x^10+2$  ogf\_with\_Euler\_transform]  
A023805 5.93372 [  $x*(x+1)*(x^2+1)*(x^2+x+1)*(x^2-x+1)*(x^4-x^2+1)/$   
 $(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A023806 27.0865 [  $-x^12+x^11+2$  ogf\_with\_Euler\_transform]  
A023806 5.58005 [  $x*(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/$   
 $(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A023807 27.0865 [  $-x^13+x^12+2$  ogf\_with\_Euler\_transform]  
A023807 5.26618 [  $x*(x+1)*(x^6+x^5+x^4+x^3+x^2+x+1)*(x^6-x^5+x^4-x^3+x^2-x+1)/$   
 $(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A023808 27.0865 [  $-x^14+x^13+2$  ogf\_with\_Euler\_transform]  
A023808 4.98573 [  $x*(x^2+x+1)*(x^4+x^3+x^2+x+1)*(x^8-x^7+x^5-x^4+x^3-x+1)/(x+1)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A023809 24.6965 [  $2-x^14*(x-1)$  ogf\_with\_Euler\_transform]  
A023809 4.73364 [  $x*(x^8+1)*(x^4+1)*(x^2+1)*(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/$   
 $(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf]  
A023810 24.6965 [  $2-x^15*(x-1)$  ogf\_with\_Euler\_transform]  
A023810 4.50582 [  $x*(x^16+x^15+x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x$   
 $+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A023855 18.5396  $-2*(1+6*x+5*x^3+4*x^2)/(x-1)/(x+1)/(2*x^2+x+1)$  lgdogf

A023855 9.33837 [  $(2x^2+x+1)/(x+1)^3/(x-1)^4$  ogf]  
A023856 20.1969  $-(3+17x+5x^2+7x^3)/(x-1)/(x+1)/(x^2+x+2)$  lgdogf  
A023856 9.50663 [  $(x^2+x+2)/(x+1)^3/(x-1)^4$  ogf]  
A023857 10.4474 [  $(x+3)/(x+1)^3/(x-1)^4$  ogf]  
A023857 24.9252  $-2*(2+11x+3x^2)/(x-1)/(x+3)/(x+1)$  lgdogf  
A023857 4.44014 [  $\{(-3n-12)*a(n+4)+(1-n)*a(n+3)+(28+3n)*a(n+2)+(7+n)*a(n+1),$   
 $a(0) = 3, a(1) = 4, a(2) = 13, a(3) = 16\}$ , ogf]  
A023861 3.74671 [  $-(3x^5-x^4-2x^3+4x^2+2x+1)/(x^2+x-1)/(x^4+x^2-1)^2$  ogf]  
A023864 4.37297 [  $-(x^5+2x^2+x+1)/(x^2+x-1)/(x^4+x^2-1)^2$  ogf]  
A023864 5.06971  $-(2+4x^9-2x^8+16x^7+27x^6-10x$   
 $+5x^{10}-2x^3+8x^4+18x^5+3x^2)/(x^2+x-1)/(x^4+x^2-1)/(x^5+2x^2+x+1)$  lgdogf  
A023865 17.6969  $-(3+19x+25x^2+17x^3)/(x-1)/(x+1)/(5x^2+2x+1)$  lgdogf  
A023865 9.49069 [  $(5x^2+2x+1)/(x+1)^3/(x-1)^4$  ogf]  
A023871 15.0966 [  $-(-x-1)/(-x^3+3x^2-3x+1)$  ogf\_with\_Euler\_transform]  
A023872 11.2250 [  $-(x^2+4x+1)/(-x^4+4x^3-6x^2+4x-1)$  ogf\_with\_Euler\_transform]  
A023873 8.35578 [  $-(-x^3-11x^2-11x-1)/(-x^5+5x^4-10x^3+10x^2-5x+1)$   
ogf\_with\_Euler\_transform]  
A023874 6.87540 [  $-(-x^4+26x^3+66x^2+26x+1)/(-$   
 $x^6+6x^5-15x^4+20x^3-15x^2+6x-1)$  ogf\_with\_Euler\_transform]  
A023875 5.44893 [  $-(-x^5-57x^4-302x^3-302x^2-57x-1)/(-$   
 $x^7+7x^6-21x^5+35x^4-35x^3+21x^2-7x+1)$  ogf\_with\_Euler\_transform]  
A023946 8.31684  $-(-27+482x+2200x^2-2295x^3)/(x-1)/(5x-1)/(10x-1)/(11x-1)$   
lgdogf  
A023946 9.41030 [  $1/(x-1)/(5x-1)/(10x-1)/(11x-1)$  ogf]  
A023947 7.19141  $-2*(-14+257x+1200x^2-1245x^3)/(x-1)/(5x-1)/(12x-1)/(10x-1)$   
lgdogf  
A023947 8.41679 [  $1/(x-1)/(5x-1)/(12x-1)/(10x-1)$  ogf]  
A023948 7.51282  $-(-29+550x+2640x^2-2721x^3)/(x-1)/(5x-1)/(12x-1)/(11x-1)$   
lgdogf  
A023948 8.51580 [  $1/(x-1)/(5x-1)/(12x-1)/(11x-1)$  ogf]  
A023949 8.96015  $-2*(-11+167x+672x^2-723x^3)/(x-1)/(6x-1)/(8x-1)/(7x-1)$   
lgdogf  
A023949 9.80661 [  $1/(x-1)/(6x-1)/(8x-1)/(7x-1)$  ogf]  
A023950 9.05649  $-(-23+362x+1512x^2-1611x^3)/(x-1)/(6x-1)/(9x-1)/(7x-1)$   
lgdogf  
A023950 9.90984 [  $1/(x-1)/(6x-1)/(9x-1)/(7x-1)$  ogf]  
A023951 9.20999  $-6*(-4+65x+280x^2-296x^3)/(x-1)/(6x-1)/(7x-1)/(10x-1)$   
lgdogf  
A023951 9.90984 [  $1/(x-1)/(6x-1)/(7x-1)/(10x-1)$  ogf]  
A023952 8.36029  $-(-25+418x+1848x^2-1941x^3)/(x-1)/(6x-1)/(7x-1)/(11x-1)$   
lgdogf  
A023952 9.30912 [  $1/(x-1)/(6x-1)/(7x-1)/(11x-1)$  ogf]  
A023953 8.13986  $-2*(-13+223x+1008x^2-1053x^3)/(x-1)/(6x-1)/(7x-1)/(12x-1)$   
lgdogf  
A023953 9.35971 [  $1/(x-1)/(6x-1)/(7x-1)/(12x-1)$  ogf]  
A023954 9.05649  $-2*(-12+197x+864x^2-909x^3)/(x-1)/(6x-1)/(9x-1)/(8x-1)$   
lgdogf  
A023954 9.90984 [  $1/(x-1)/(6x-1)/(9x-1)/(8x-1)$  ogf]  
A023955 8.31385  $-(-25+424x+1920x^2-2004x^3)/(x-1)/(6x-1)/(8x-1)/(10x-1)$   
lgdogf  
A023955 9.25852 [  $1/(x-1)/(6x-1)/(8x-1)/(10x-1)$  ogf]  
A023956 8.13986  $-2*(-13+227x+1056x^2-1095x^3)/(x-1)/(6x-1)/(11x-1)/(8x-1)$   
lgdogf  
A023956 9.35971 [  $1/(x-1)/(6x-1)/(11x-1)/(8x-1)$  ogf]  
A023972 6.81040 [  $-x^7*(x^42-x^24+1)/(x-1)/(x^6+x^3+1)/(x^6-x^3+1)/(x^54-$   
 $x^48+x^36-x^24+x^18-x^6+1)$  ogf]  
A023974 117.359  $-1/(x-1)$  lgdogf  
A023974 29.2915 [  $-x^{17}/(x-1)$  ogf]  
A023975 117.359  $-1/(x-1)$  lgdogf  
A023975 28.0582 [  $-x^{25}/(x-1)$  ogf]  
A023976 117.359  $-1/(x-1)$  lgdogf

A023976 26.0540 [  $-x^{38}/(x-1)$  ogf]  
A023989 4.20704 [  
(9899010\*x^11+9900990\*x^10-10001000\*x^9-31007101\*x^8+98010\*x^7+99990\*x^6-101000\*x^5-208101\*x^4-2000\*x^3-1100\*x^2-10\*x-2)/(x-1) ogf]  
A023999 15.1088  $-1-4*x-8*x^2+((4*x^2+2*x+1)*(1+4*x)^2)^{(1/2)}$  revogf  
A023999 3.90952 [  $\{(-4*n^2-14*n-12)*a(n+1)+(12*n^2+79*n+125)*a(n+2)+(-3*n-9)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 48\}$ , ogf]  
A023999 30.2175  $-(2*x-5)/(4*x-1)/(x-1)$  lgdegf  
A024000 14.8883 [  $-(2*x-1)/(x-1)^2$  ogf]  
A024000 26.0346  $-1/2*(-2*x-1+(-4*x+1)^{(1/2)})/(x+2)$  revogf  
A024000 49.1764  $-2*x/(2*x-1)/(x-1)$  lgdogf  
A024000 8.27127 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 0\}$ , ogf]  
A024001 22.5599  $-2*x*(7*x^2+4*x)/(x-1)/(2*x^3+x^2+4*x-1)$  lgdogf  
A024001 4.17777 [  $\{(5*n^2+n-18)*a(n+1)+(29*n^2+253*n+390)*a(n+2)+(-34*n^2-137*n-105)*a(n+3), a(0) = 1, a(1) = 0, a(2) = -7\}$ , ogf]  
A024001 9.98323 [  $-(2*x^3+x^2+4*x-1)/(x-1)^4$  ogf]  
A024002 22.2178  $-30*x*(x+1)^2/(x-1)/(15*x^3+5*x^2+5*x-1)$  lgdogf  
A024002 5.18416 [  $\{(n^2+2*n)*a(n)+(8*n+8)*a(n+1)+(-n^2-2*n)*a(n+2), a(0) = 1, a(1) = 0, a(2) = -15\}$ , ogf]  
A024002 8.83664 [  $(15*x^3+5*x^2+5*x-1)/(x-1)^5$  ogf]  
A024003 5.80488  $-2*x*(31+156*x^2+26*x^3+x^4+146*x)/(x-1)/(2*x^5+21*x^4+76*x^3+16*x^2+6*x-1)$  lgdogf  
A024003 6.00386 [  $-(2*x^5+21*x^4+76*x^3+16*x^2+6*x-1)/(x-1)^6$  ogf]  
A024004 10.6631  $-42*x*(3+58*x^2+28*x^3+3*x^4+28*x)/(x-1)/(63*x^5+287*x^4+322*x^3+42*x^2+7*x-1)$  lgdogf  
A024004 5.91266 [  $(63*x^5+287*x^4+322*x^3+42*x^2+7*x-1)/(x-1)^7$  ogf]  
A024005 3.14087 [  $-(2*x^7+113*x^6+1212*x^5+2381*x^4+1226*x^3+99*x^2+8*x-1)/(x-1)^8$  ogf]  
A024006 3.67300 [  $(255*x^7+4265*x^6+15675*x^5+15549*x^4+4349*x^3+219*x^2+9*x-1)/(x-1)^9$  ogf]  
A024006 5.54932  $-30*x*(17*x^6+486*x^5+17+2943*x^2+5204*x^3+2943*x^4+486*x)/(x-1)/(255*x^7+4265*x^6+15675*x^5+15549*x^4+4349*x^3+219*x^2+9*x-1)$  lgdogf  
A024012 11.2625 [  $(x^3+4*x^2-4*x+1)/(2*x-1)/(x-1)^3$  ogf]  
A024012 14.1578  $-(-1+8*x+20*x^3+2*x^4-23*x^2)/(x-1)/(2*x-1)/(x^3+4*x^2-4*x+1)$  lgdogf  
A024013 7.80274 [  $-(3*x^4+3*x^3+4*x^2-5*x+1)/(2*x-1)/(x-1)^4$  ogf]  
A024013 8.65187  $-(-1+17*x+21*x^3+30*x^4+6*x^5-49*x^2)/(x-1)/(2*x-1)/(3*x^4+3*x^3+4*x^2-5*x+1)$  lgdogf  
A024014 5.90405 [  $(x^5+26*x^4+x^3+x^2-6*x+1)/(2*x-1)/(x-1)^5$  ogf]  
A024014 8.17053  $-(-1+2*x^6+34*x-94*x^3+131*x^4+112*x^5-64*x^2)/(x-1)/(2*x-1)/(x^5+26*x^4+x^3+x^2-6*x+1)$  lgdogf  
A024015 4.92531 [  $-(3*x^6+45*x^5+121*x^4-34*x^3-9*x^2-7*x+1)/(2*x-1)/(x-1)^6$  ogf]  
A024016 4.28249 [  $(x^7+120*x^6+526*x^5+337*x^4-223*x^3-34*x^2-8*x+1)/(2*x-1)/(x-1)^7$  ogf]  
A024017 3.43998 [  $-(3*x^8+231*x^7+2290*x^6+3585*x^5+36*x^4-1007*x^3-90*x^2-9*x+1)/(2*x-1)/(x-1)^8$  ogf]  
A024018 3.87485 [  
 $(x^9+502*x^8+8303*x^7+27029*x^6+15493*x^5-6907*x^4-3883*x^3-209*x^2-10*x+1)/(2*x-1)/(x-1)^9$  ogf]  
A024023 19.0549  $-1/3*(-1-2*x+(1+4*x+x^2)^{(1/2)})/x$  revogf  
A024023 21.7509 [  $2*x/(3*x-1)/(x-1)$  ogf]  
A024023 25.1525  $-2*(-2+3*x)/(3*x-1)/(x-1)$  lgdogf  
A024023 9.93562 [  $\{a(n+2)-4*a(n+1)+3*a(n), a(0) = 0, a(1) = 2\}$ , ogf]  
A024024 10.5221 [  $-(4*x^2-3*x+1)/(3*x-1)/(x-1)^2$  ogf]  
A024024 13.1003  $-2*(2*x-1)*(3*x^2+1)/(3*x-1)/(x-1)/(4*x^2-3*x+1)$  lgdogf  
A024024 5.73077 [  $\{a(n+3)-5*a(n+2)+7*a(n+1)-3*a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
A024025 8.12463 [  $(2*x^3+5*x^2-4*x+1)/(3*x-1)/(x-1)^3$  ogf]  
A024025 9.67405  $-2*(-1+5*x+21*x^3+3*x^4-16*x^2)/(3*x-1)/(x-1)/(2*x^3+5*x^2-4*x+1)$  lgdogf

A024026 6.61802 [  $-(4*x^4+7*x^3+5*x^2-5*x+1)/(3*x-1)/(x-1)^4$  ogf]  
A024026 7.91842  $-2*(-1+10*x+32*x^3+39*x^4+6*x^5-38*x^2)/(3*x-1)/(x-1)/(4*x^4+7*x^3+5*x^2-5*x+1)$  lgdogf  
A024027 5.15021 [  $(2*x^5+37*x^4+12*x^3+2*x^2-6*x+1)/(3*x-1)/(x-1)^5$  ogf]  
A024027 6.23658  $-2*(-1+3*x^6+19*x-38*x^3+197*x^4+123*x^5-63*x^2)/(3*x-1)/(x-1)/(2*x^5+37*x^4+12*x^3+2*x^2-6*x+1)$  lgdogf  
A024028 3.22765 [  $-(4*x^6+71*x^5+187*x^4-8*x^3-8*x^2-7*x+1)/(3*x-1)/(x-1)^6$  ogf]  
A024031 3.84794 [  $(2*x^9+749*x^8+12596*x^7+42648*x^6+31112*x^5-2614*x^4-3636*x^3-208*x^2-10*x+1)/(x-1)^9/(3*x-1)$  ogf]  
A024036 14.3864  $-1/8*(-5*x-3+(x+3)^{(1/2)}*(3*x+1)^{(1/2)}*3^{(1/2)})/x$  revogf  
A024036 19.3133 [  $3*x/(4*x-1)/(x-1)$  ogf]  
A024036 30.6493  $-(-5+8*x)/(4*x-1)/(x-1)$  lgdogf  
A024036 8.82211 [  $\{a(n+2)-5*a(n+1)+4*a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A024037 4.39165 [  $\{a(n+3)-6*a(n+2)+9*a(n+1)-4*a(n), a(0) = 1, a(1) = 3, a(2) = 14\}$ , ogf]  
A024037 8.13536 [  $-(5*x^2-3*x+1)/(4*x-1)/(x-1)^2$  ogf]  
A024037 9.68157  $-(-3+5*x+20*x^3-4*x^2)/(4*x-1)/(x-1)/(5*x^2-3*x+1)$  lgdogf  
A024038 7.58075 [  $(3*x^3+6*x^2-4*x+1)/(4*x-1)/(x-1)^3$  ogf]  
A024038 9.02056  $-3*(-1+4*x+24*x^3+4*x^4-13*x^2)/(4*x-1)/(x-1)/(3*x^3+6*x^2-4*x+1)$  lgdogf  
A024039 7.33373 [  $-(5*x^4+11*x^3+6*x^2-5*x+1)/(4*x-1)/(x-1)^4$  ogf]  
A024039 8.51826  $-(-3+23*x+129*x^3+148*x^4+20*x^5-101*x^2)/(4*x-1)/(x-1)/(5*x^4+11*x^3+6*x^2-5*x+1)$  lgdogf  
A024040 4.15643 [  $(3*x^5+48*x^4+23*x^3+3*x^2-6*x+1)/(4*x-1)/(x-1)^5$  ogf]  
A024041 3.63087 [  $-(5*x^6+97*x^5+253*x^4+18*x^3-7*x^2-7*x+1)/(4*x-1)/(x-1)^6$  ogf]  
A024042 3.15798 [  $(3*x^7+234*x^6+1130*x^5+941*x^4-109*x^3-32*x^2-8*x+1)/(4*x-1)/(x-1)^7$  ogf]  
A024044 3.72108 [  $(3*x^9+996*x^8+16889*x^7+58267*x^6+46731*x^5+1679*x^4-3389*x^3-207*x^2-10*x+1)/(4*x-1)/(x-1)^9$  ogf]  
A024049 14.8112 [  $4*x/(5*x-1)/(x-1)$  ogf]  
A024049 15.3966  $-1/5*(-2-3*x+2*(1+3*x+x^2)^{(1/2)})/x$  revogf  
A024049 21.5552  $-2*(-3+5*x)/(5*x-1)/(x-1)$  lgdogf  
A024049 6.76560 [  $\{a(n+2)-6*a(n+1)+5*a(n), a(0) = 0, a(1) = 4\}$ , ogf]  
A024050 11.7148  $-2*(-2+3*x+15*x^3)/(5*x-1)/(x-1)/(6*x^2-3*x+1)$  lgdogf  
A024050 4.83384 [  $\{a(n+3)-7*a(n+2)+11*a(n+1)-5*a(n), a(0) = 1, a(1) = 4, a(2) = 23\}$ , ogf]  
A024050 8.88803 [  $-(6*x^2-3*x+1)/(5*x-1)/(x-1)^2$  ogf]  
A024051 6.97542 [  $(4*x^3+7*x^2-4*x+1)/(5*x-1)/(x-1)^3$  ogf]  
A024051 8.16485  $-2*(-2+7*x+55*x^3+10*x^4-22*x^2)/(5*x-1)/(x-1)/(4*x^3+7*x^2-4*x+1)$  lgdogf  
A024052 5.64963 [  $-(6*x^4+15*x^3+7*x^2-5*x+1)/(5*x-1)/(x-1)^4$  ogf]  
A024052 6.45585  $-2*(-2+13*x+108*x^3+120*x^4+15*x^5-62*x^2)/(5*x-1)/(x-1)/(6*x^4+15*x^3+7*x^2-5*x+1)$  lgdogf  
A024053 4.69801 [  $(4*x^5+59*x^4+34*x^3+4*x^2-6*x+1)/(5*x-1)/(x-1)^5$  ogf]  
A024053 5.43664  $-2*(-2+10*x^6+23*x+58*x^3+658*x^4+335*x^5-122*x^2)/(5*x-1)/(x-1)/(4*x^5+59*x^4+34*x^3+4*x^2-6*x+1)$  lgdogf  
A024054 3.88899 [  $-(6*x^6+123*x^5+319*x^4+44*x^3-6*x^2-7*x+1)/(5*x-1)/(x-1)^6$  ogf]  
A024055 3.43918 [  $(4*x^7+291*x^6+1432*x^5+1243*x^4-52*x^3-31*x^2-8*x+1)/(5*x-1)/(x-1)^7$  ogf]  
A024062 11.8498  $-1/12*(-7*x-5+(5+14*x+5*x^2)^{(1/2)}*5^{(1/2)})/x$  revogf  
A024062 14.6548 [  $5*x/(6*x-1)/(x-1)$  ogf]  
A024062 22.2183  $-(-7+12*x)/(6*x-1)/(x-1)$  lgdogf  
A024062 6.69416 [  $\{a(n+2)-7*a(n+1)+6*a(n), a(0) = 0, a(1) = 5\}$ , ogf]  
A024063 10.6648  $-(-5+7*x+42*x^3+6*x^2)/(6*x-1)/(x-1)/(7*x^2-3*x+1)$  lgdogf  
A024063 4.78266 [  $\{a(n+3)-8*a(n+2)+13*a(n+1)-6*a(n), a(0) = 1, a(1) = 5, a(2) = 34\}$ , ogf]  
A024063 8.79392 [  $-(7*x^2-3*x+1)/(6*x-1)/(x-1)^2$  ogf]



A024064 6.90156 [  $(5x^3+8x^2-4x+1)/(6x-1)/(x-1)^3$  ogf]  
A024064 8.07939  $-(-5+16x+156x^3+30x^4-47x^2)/(6x-1)/(x-1)/(5x^3+8x^2-4x+1)$  lgdogf  
A024065 5.56350 [  $-(7x^4+19x^3+8x^2-5x+1)/(6x-1)/(x-1)^4$  ogf]  
A024065 6.50293  $-(-5+29x+325x^3+354x^4+42x^5-145x^2)/(6x-1)/(x-1)/(7x^4+19x^3+8x^2-5x+1)$  lgdogf  
A024066 4.70020 [  $(5x^5+70x^4+45x^3+5x^2-6x+1)/(6x-1)/(x-1)^5$  ogf]  
A024066 5.55458  $-5*(-1+6x^6+10x+58x^3+395x^4+192x^5-60x^2)/(6x-1)/(x-1)/(5x^5+70x^4+45x^3+5x^2-6x+1)$  lgdogf  
A024067 3.88577 [  $-(7x^6+149x^5+385x^4+70x^3-5x^2-7x+1)/(6x-1)/(x-1)^6$  ogf]  
A024068 3.27483 [  $(5x^7+348x^6+1734x^5+1545x^4+5x^3-30x^2-8x+1)/(6x-1)/(x-1)^7$  ogf]  
A024075 13.2369  $-1/7*(-3-4x+(3+8x+3x^2)^{(1/2)}*3^{(1/2)})/x$  revogf  
A024075 15.6264 [  $6x/(7x-1)/(x-1)$  ogf]  
A024075 22.7675  $-2*(-4+7x)/(7x-1)/(x-1)$  lgdogf  
A024075 7.13798 [  $\{a(n+2)-8a(n+1)+7a(n), a(0) = 0, a(1) = 6\}$ , ogf]  
A024076 10.9459  $-2*(-3+4x+28x^3+7x^2)/(7x-1)/(x-1)/(8x^2-3x+1)$  lgdogf  
A024076 5.09800 [  $\{a(n+3)-9a(n+2)+15a(n+1)-7a(n), a(0) = 1, a(1) = 6, a(2) = 47\}$ , ogf]  
A024076 9.37374 [  $-(8x^2-3x+1)/(7x-1)/(x-1)^2$  ogf]  
A024077 7.26465 [  $(6x^3+9x^2-4x+1)/(7x-1)/(x-1)^3$  ogf]  
A024077 8.89357  $-6*(-1+3x+35x^3+7x^4-8x^2)/(7x-1)/(x-1)/(6x^3+9x^2-4x+1)$  lgdogf  
A024078 5.93033 [  $-(x+1)*(8x^3+15x^2-6x+1)/(7x-1)/(x-1)^4$  ogf]  
A024078 6.85770  $-2*(-3+16x+228x^3+245x^4+28x^5-82x^2)/(x-1)/(7x-1)/(x+1)/(8x^3+15x^2-6x+1)$  lgdogf  
A024079 5.01010 [  $(6x^5+81x^4+56x^3+6x^2-6x+1)/(7x-1)/(x-1)^5$  ogf]  
A024079 5.99146  $-6*(-1+7x^6+9x+86x^3+461x^4+217x^5-59x^2)/(7x-1)/(x-1)/(6x^5+81x^4+56x^3+6x^2-6x+1)$  lgdogf  
A024080 4.18109 [  $-(8x^6+175x^5+451x^4+96x^3-4x^2-7x+1)/(7x-1)/(x-1)^6$  ogf]  
A024081 3.55049 [  $(6x^7+405x^6+2036x^5+1847x^4+62x^3-29x^2-8x+1)/(7x-1)/(x-1)^7$  ogf]  
A024082 3.79279 [  $-(8x^8+831x^7+8245x^6+15665x^5+5991x^4-407x^3-85x^2-9x+1)/(7x-1)/(x-1)^8$  ogf]  
A024088 11.9086  $-1/16*(-9x-7+(7x^2+18x+7)^{(1/2)}*7^{(1/2)})/x$  revogf  
A024088 14.7222 [  $7x/(8x-1)/(x-1)$  ogf]  
A024088 22.3287  $-(-9+16x)/(8x-1)/(x-1)$  lgdogf  
A024088 6.72495 [  $\{a(n+2)-9a(n+1)+8a(n), a(0) = 0, a(1) = 7\}$ , ogf]  
A024089 10.5076  $-(-7+9x+72x^3+24x^2)/(8x-1)/(x-1)/(9x^2-3x+1)$  lgdogf  
A024089 4.76231 [  $\{a(n+3)-10a(n+2)+17a(n+1)-8a(n), a(0) = 1, a(1) = 7, a(2) = 62\}$ , ogf]  
A024089 8.69311 [  $-(9x^2-3x+1)/(8x-1)/(x-1)^2$  ogf]  
A024090 6.76131 [  $(7x^3+10x^2-4x+1)/(8x-1)/(x-1)^3$  ogf]  
A024090 7.99833  $-(-7+20x+272x^3+56x^4-47x^2)/(8x-1)/(x-1)/(7x^3+10x^2-4x+1)$  lgdogf  
A024091 5.53198 [  $-(9x^4+27x^3+10x^2-5x+1)/(8x-1)/(x-1)^4$  ogf]  
A024091 6.45648  $-(-7+35x+609x^3+648x^4+72x^5-181x^2)/(8x-1)/(x-1)/(9x^4+27x^3+10x^2-5x+1)$  lgdogf  
A024092 4.72126 [  $(7x^5+92x^4+67x^3+7x^2-6x+1)/(8x-1)/(x-1)^5$  ogf]  
A024092 5.41301  $-(-7+56x^6+58x+794x^3+3689x^4+1696x^5-406x^2)/(8x-1)/(x-1)/(7x^5+92x^4+67x^3+7x^2-6x+1)$  lgdogf  
A024093 3.91190 [  $-(9x^6+201x^5+517x^4+122x^3-3x^2-7x+1)/(8x-1)/(x-1)^6$  ogf]  
A024094 3.65736 [  $(7x^7+462x^6+2338x^5+2149x^4+119x^3-28x^2-8x+1)/(8x-1)/(x-1)^7$  ogf]  
A024095 4.30164 [  $-(9x^8+951x^7+9436x^6+18081x^5+7182x^4-287x^3-84x^2-9x+1)/(8x-1)/(x-1)^8$  ogf]  
A024101 10.9695  $-1/9*(-5x-4+2*(2x+1)^{(1/2)}*(x+2)^{(1/2)}*2^{(1/2)})/x$  revogf  
A024101 14.9547 [  $8x/(9x-1)/(x-1)$  ogf]

A024101 22.3777  $-2*(-5+9*x)/(9*x-1)/(x-1)$  lgdogf  
A024101 6.93021  $[ \{a(n+2)-10*a(n+1)+9*a(n), a(0) = 0, a(1) = 8\}, ogf ]$   
A024102 10.3601  $-2*(-4+5*x+45*x^3+18*x^2)/(9*x-1)/(x-1)/(10*x^2-3*x+1)$  lgdogf  
A024102 4.96714  $[ \{a(n+3)-11*a(n+2)+19*a(n+1)-9*a(n), a(0) = 1, a(1) = 8, a(2) = 79\}, ogf ]$   
A024102 8.92533  $[ -(10*x^2-3*x+1)/(9*x-1)/(x-1)^2 ogf ]$   
A024103 7.05211  $[ (8*x^3+11*x^2-4*x+1)/(9*x-1)/(x-1)^3 ogf ]$   
A024103 8.10788  $-2*(-4+11*x+171*x^3+36*x^4-22*x^2)/(9*x-1)/(x-1)/(8*x^3+11*x^2-4*x+1)$  lgdogf  
A024104 5.71221  $[ -(10*x^4+31*x^3+11*x^2-5*x+1)/(9*x-1)/(x-1)^4 ogf ]$   
A024104 6.58169  $-2*(-4+19*x+392*x^3+414*x^4+45*x^5-98*x^2)/(9*x-1)/(x-1)/(10*x^4+31*x^3+11*x^2-5*x+1)$  lgdogf  
A024105 4.84086  $[ (8*x^5+103*x^4+78*x^3+8*x^2-6*x+1)/(9*x-1)/(x-1)^5 ogf ]$   
A024105 5.48474  $-2*(-4+36*x^6+31*x+562*x^3+2372*x^4+1071*x^5-228*x^2)/(9*x-1)/(x-1)/(8*x^5+103*x^4+78*x^3+8*x^2-6*x+1)$  lgdogf  
A024106 4.05121  $[ -(10*x^6+227*x^5+583*x^4+148*x^3-2*x^2-7*x+1)/(9*x-1)/(x-1)^6 ogf ]$   
A024107 3.45023  $[ (8*x^7+519*x^6+2640*x^5+2451*x^4+176*x^3-27*x^2-8*x+1)/(9*x-1)/(x-1)^7 ogf ]$   
A024108 3.40784  $[ -(10*x^8+1071*x^7+10627*x^6+20497*x^5+8373*x^4-167*x^3-83*x^2-9*x+1)/(9*x-1)/(x-1)^8 ogf ]$   
A024114 8.54608  $-(-27+484*x+2304*x^3-2376*x^2)/(x-1)/(6*x-1)/(12*x-1)/(8*x-1)$  lgdogf  
A024114 9.51148  $[ 1/(x-1)/(6*x-1)/(12*x-1)/(8*x-1) ogf ]$   
A024115 10.1717  $-(-9+11*x+110*x^3+50*x^2)/(x-1)/(10*x-1)/(11*x^2-3*x+1)$  lgdogf  
A024115 4.92432  $[ \{a(n+3)-12*a(n+2)+21*a(n+1)-10*a(n), a(0) = 1, a(1) = 9, a(2) = 98\}, ogf ]$   
A024115 8.78802  $[ -(11*x^2-3*x+1)/(10*x-1)/(x-1)^2 ogf ]$   
A024116 6.96611  $[ (9*x^3+12*x^2-4*x+1)/(10*x-1)/(x-1)^3 ogf ]$   
A024116 8.10788  $-3*(-3+8*x+140*x^3+30*x^4-13*x^2)/(x-1)/(10*x-1)/(9*x^3+12*x^2-4*x+1)$  lgdogf  
A024117 5.65565  $[ -(11*x^4+35*x^3+12*x^2-5*x+1)/(10*x-1)/(x-1)^4 ogf ]$   
A024117 6.43039  $-(-9+41*x+981*x^3+1030*x^4+110*x^5-209*x^2)/(x-1)/(10*x-1)/(11*x^4+35*x^3+12*x^2-5*x+1)$  lgdogf  
A024118 4.76018  $[ (9*x^5+114*x^4+89*x^3+9*x^2-6*x+1)/(10*x-1)/(x-1)^5 ogf ]$   
A024118 5.48474  $-3*(-3+30*x^6+22*x+502*x^3+1977*x^4+880*x^5-168*x^2)/(x-1)/(10*x-1)/(9*x^5+114*x^4+89*x^3+9*x^2-6*x+1)$  lgdogf  
A024119 4.02268  $[ -(11*x^6+253*x^5+649*x^4+174*x^3-x^2-7*x+1)/(10*x-1)/(x-1)^6 ogf ]$   
A024120 3.48305  $[ (9*x^7+576*x^6+2942*x^5+2753*x^4+233*x^3-26*x^2-8*x+1)/(10*x-1)/(x-1)^7 ogf ]$   
A024121 4.34974  $[ -(11*x^8+1191*x^7+11818*x^6+22913*x^5+9564*x^4-47*x^3-82*x^2-9*x+1)/(x-1)^8/(10*x-1) ogf ]$   
A024127 12.0753  $-1/11*(-5-6*x+(5+12*x+5*x^2)^(1/2)*5^(1/2))/x$  revogf  
A024127 13.8015  $[ 10*x/(11*x-1)/(x-1) ogf ]$   
A024127 20.1255  $-2*(-6+11*x)/(11*x-1)/(x-1)$  lgdogf  
A024127 6.57215  $[ \{a(n+2)-12*a(n+1)+11*a(n), a(0) = 0, a(1) = 10\}, ogf ]$   
A024128 4.70297  $[ \{a(n+3)-13*a(n+2)+23*a(n+1)-11*a(n), a(0) = 1, a(1) = 10, a(2) = 119\}, ogf ]$   
A024128 8.53771  $[ -(12*x^2-3*x+1)/(11*x-1)/(x-1)^2 ogf ]$   
A024128 9.87981  $-2*(-5+6*x+66*x^3+33*x^2)/(11*x-1)/(x-1)/(12*x^2-3*x+1)$  lgdogf  
A024129 6.68616  $[ (10*x^3+13*x^2-4*x+1)/(11*x-1)/(x-1)^3 ogf ]$   
A024129 7.65337  $-2*(-5+13*x+253*x^3+55*x^4-16*x^2)/(11*x-1)/(x-1)/(10*x^3+13*x^2-4*x+1)$  lgdogf  
A024130 5.49456  $[ -(12*x^4+39*x^3+13*x^2-5*x+1)/(11*x-1)/(x-1)^4 ogf ]$   
A024130 6.24586  $-2*(-5+22*x+600*x^3+627*x^4+66*x^5-110*x^2)/(11*x-1)/(x-1)/(12*x^4+39*x^3+13*x^2-5*x+1)$  lgdogf  
A024131 4.51180  $[ (10*x^5+125*x^4+100*x^3+10*x^2-6*x+1)/(11*x-1)/(x-1)^5 ogf ]$   
A024131 5.27563  $-10*(-1+11*x^6+7*x+194*x^3+725*x^4+319*x^5-55*x^2)/(11*x-1)/$

$(x-1)/(10x^5+125x^4+100x^3+10x^2-6x+1)$  lgdogf  
A024132 4.11986 [  $-(12x^6+279x^5+715x^4+200x^3-7x+1)/(11x-1)/(x-1)^6$  ogf]  
A024133 3.32830 [  $(10x^7+633x^6+3244x^5+3055x^4+290x^3-25x^2-8x+1)/(11x-1)/(x-1)^7$  ogf]  
A024140 12.4661 [  $11x/(12x-1)/(x-1)$  ogf]  
A024140 18.8517  $-(-13+24x)/(12x-1)/(x-1)$  lgdogf  
A024140 5.93625 [  $\{a(n+2)-13a(n+1)+12a(n), a(0) = 0, a(1) = 11\}$ , ogf]  
A024140 9.80291  $-1/24*(-13x-11+(11x^2+26x+11)^{(1/2)}*11^{(1/2)})/x$  revogf  
A024141 4.24981 [  $\{a(n+3)-14a(n+2)+25a(n+1)-12a(n), a(0) = 1, a(1) = 11, a(2) = 142\}$ , ogf]  
A024141 7.71505 [  $-(13x^2-3x+1)/(12x-1)/(x-1)^2$  ogf]  
A024141 8.75260  $-(-11+13x+156x^3+84x^2)/(12x-1)/(x-1)/(13x^2-3x+1)$  lgdogf  
A024142 6.04190 [  $(11x^3+14x^2-4x+1)/(12x-1)/(x-1)^3$  ogf]  
A024142 6.90346  $-(-11+28x+600x^3+132x^4-23x^2)/(12x-1)/(x-1)/(11x^3+14x^2-4x+1)$  lgdogf  
A024143 4.96513 [  $-(13x^4+43x^3+14x^2-5x+1)/(12x-1)/(x-1)^4$  ogf]  
A024143 5.50725  $-(-11+47x+1441x^3+1500x^4+156x^5-229x^2)/(12x-1)/(x-1)/(13x^4+43x^3+14x^2-5x+1)$  lgdogf  
A024144 4.07706 [  $(11x^5+136x^4+111x^3+11x^2-6x+1)/(12x-1)/(x-1)^5$  ogf]  
A024145 3.53154 [  $-(13x^6+305x^5+781x^4+226x^3+x^2-7x+1)/(12x-1)/(x-1)^6$  ogf]  
A024146 4.16649 [  $(11x^7+690x^6+3546x^5+3357x^4+347x^3-24x^2-8x+1)/(12x-1)/(x-1)^7$  ogf]  
A024163 11.8582 [  $-x^{10}/(x^2-x+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^3$  ogf]  
A024163 17.5950  $-x*(2+3x+2x^2+11x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A024163 23.9545 [  $x+1/2*x^2+1/120*x^5$  egf\_with\_Euler\_transform]  
A024164 15.5193 [  $x^8/(x+1)/(x^2-x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A024164 19.9109 [  $1/2*x^2+1/120*x^5$  egf\_with\_Euler\_transform]  
A024164 20.9087  $-3*x^2*(1+3x^3)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A024165 11.7827 [  $-x^{12}/(x^2+1)/(x^2-x+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^3$  ogf]  
A024165 13.7776  $-x^2*(13x^5+4x+3x^2+13x^3+3)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A024165 20.0051 [  $1/2*x^2+1/6*x^3+1/120*x^5$  egf\_with\_Euler\_transform]  
A024166 22.8713  $-2*(x+5)*(2x+1)/(x-1)/(x^2+4x+1)$  lgdogf  
A024166 3.98169 [  $\{(n+3)*a(n+4)+(-4+3n)*a(n+3)+(-25-3n)*a(n+2)+(-4-n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 10, a(3) = 46\}$ , ogf]  
A024166 8.56928 [  $x*(x^2+4x+1)/(x-1)^6$  ogf]  
A024167 4.42227 [  $\{(-n^2-6n-9)*a(n+1)+a(n+3)-a(n+2), a(0) = 1, a(1) = 1, a(2) = 5\}$ , ogf]  
A024168 4.91994 [  $\{(-n^2-6n-9)*a(n+1)+a(n+3)-a(n+2), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
A024170 8.13986  $-2*(-13+229x+1080x^3-1116x^2)/(x-1)/(6x-1)/(9x-1)/(10x-1)$  lgdogf  
A024170 9.35971 [  $1/(x-1)/(6x-1)/(9x-1)/(10x-1)$  ogf]  
A024172 5.26183 [  $x^2*(x^4-x^3+x^2-x+1)*(x^5-x^3-x^2-x-1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3$  ogf]  
A024174 5.24626 [  $x^2*(x^7-2x^6+2x^5-2x^4+x^3-x^2+x-1)/(x^4+1)/(x^2+1)/(x-1)^3$  ogf]  
A024175 5.05527 [  $\{-a(n+4)+6a(n+3)-10a(n+2)+4a(n+1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5\}$ , ogf]  
A024175 9.60501 [  $(x^3-6x^2+5x-1)/(2x-1)/(2x^2-4x+1)$  ogf]  
A024175 9.69365  $(1-8x-28x^3+14x^4+23x^2)/(2x-1)/(2x^2-4x+1)/(x^3-6x^2+5x-1)$  lgdogf  
A024178 10.8588  $-((11+14x+10x^3-11x^4+4x^5+17x^2)/(x-1)/(x^3-3x^2+3x+2)/(x^2+x+1)$  lgdogf  
A024178 7.77951 [  $-(x^3-3x^2+3x+2)/(x^2+x+1)/(x-1)^5$  ogf]  
A024180 6.18015 [  $-x*(x^{10}-2x^9+x^7+x^4+x^2-x+2)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3$  ogf]  
A024182 3.79223 [  $x*(x^6-2x^5+2x^4-2x^3+x^2-1)/(x^4+1)/(x^2+1)/(x-1)^3$  ogf]  
A024183 19.5360  $-(47-44x+12x^2)/(x-1)/(4x^2-13x+12)$  lgdogf  
A024183 3.69690 [  $\{(-12n-48)*a(n+4)+(122+25n)*a(n+3)+(-78-17n)*a(n$

+2)+(16+4\*n)\*a(n+1), a(0) = 12, a(1) = 47, a(2) = 119, a(3) = 245}, ogf]  
A024183 9.58454 [ -(4\*x^2-13\*x+12)/(x-1)^5 ogf]  
A024184 12.0514 [ -(342+386\*x+32\*x^3-181\*x^2)/(x-1)/(8\*x^3-41\*x^2+78\*x-60) lgdogf  
A024184 3.53736 [ {(57\*n^2+803\*n+2590)\*a(n+1)+(-29\*n^2+227\*n+2736)\*a(n  
+2)+(-28\*n^2-520\*n-1308)\*a(n+3), a(0) = 60, a(1) = 342, a(2) = 1175}, ogf]  
A024184 6.48517 [ (8\*x^3-41\*x^2+78\*x-60)/(x-1)^7 ogf]  
A024185 4.85099 [ -(16\*x^4-113\*x^3+328\*x^2-486\*x+360)/(x-1)^9 ogf]  
A024185 8.55652 [ -(2754-3232\*x-614\*x^3+80\*x^4+1957\*x^2)/(x-1)/  
(16\*x^4-113\*x^3+328\*x^2-486\*x+360) lgdogf  
A024191 10.0861 [ -(2\*x^2-6\*x+5)/(x-1)^5 ogf]  
A024191 21.7234 [ -(19-20\*x+6\*x^2)/(x-1)/(2\*x^2-6\*x+5) lgdogf  
A024191 3.92511 [ {(-5\*n-20)\*a(n+4)+(52+11\*n)\*a(n+3)+(-36-8\*n)\*a(n+2)+(8+2\*n)\*a(n  
+1), a(0) = 5, a(1) = 19, a(2) = 47, a(3) = 95}, ogf]  
A024196 22.1335 [ -(23+34\*x+3\*x^2)/(x-1)/(x^2+8\*x+3) lgdogf  
A024196 3.79640 [ {(3\*n+12)\*a(n+4)+(-8+5\*n)\*a(n+3)+(-48-7\*n)\*a(n+2)+(-4-n)\*a(n  
+1), a(0) = 3, a(1) = 23, a(2) = 86, a(3) = 230}, ogf]  
A024196 9.70725 [ -(x^2+8\*x+3)/(x-1)^5 ogf]  
A024197 14.3275 [ -4\*(44+123\*x+x^3+42\*x^2)/(x-1)/(x^3+33\*x^2+71\*x+15) lgdogf  
A024197 3.79680 [ {(-73\*n^2-777\*n-2060)\*a(n+1)+(-19\*n^2-808\*n-3124)\*a(n  
+2)+(92\*n^2+595\*n+957)\*a(n+3), a(0) = 15, a(1) = 176, a(2) = 950}, ogf]  
A024197 6.89049 [ -(x^3+33\*x^2+71\*x+15)/(x-1)^7 ogf]  
A024198 4.55869 [ -(x^4+112\*x^3+718\*x^2+744\*x+105)/(x-1)^9 ogf]  
A024198 8.40311 [ -(1689+7388\*x+676\*x^3+5\*x^4+5362\*x^2)/(x-1)/  
(x^4+112\*x^3+718\*x^2+744\*x+105) lgdogf  
A024199 5.75076 [ {(-4\*n^2-12\*n-9)\*a(n+1)+a(n+3)-2\*a(n+2), a(0) = 0, a(1) = 1,  
a(2) = 2}, ogf]  
A024200 3.34095 [ {(8\*n^3+40\*n^2+66\*n+36)\*a(n+1)+(-4\*n^3-36\*n^2-101\*n-92)\*a(n  
+2)+(-4\*n-12)\*a(n+3)+(n+4)\*a(n+4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 2}, ogf]  
A024201 5.80243 [ x\*(x^6-2\*x^5-x^3-x^2-x-2)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3  
ogf]  
A024202 7.81542 [ (x^4-5\*x^3-7\*x-1)/(x^2+x+1)/(x-1)^5 ogf]  
A024202 9.80768 [ -(11+3\*x^6-32\*x-58\*x^3-16\*x^4-16\*x^5-50\*x^2)/(x-1)/(x^2+x+1)/  
(x^4-5\*x^3-7\*x-1) lgdogf  
A024204 6.45625 [ x\*(x^11-2\*x^10+2\*x^9-x^8-x^7-x^5-2\*x^3-2)/(x^2+x+1)/  
(x^6+x^3+1)/(x-1)^3 ogf]  
A024206 12.8134 [ x\*(x^2-x-1)/(x+1)/(x-1)^3 ogf]  
A024206 20.0180 [ -(3-4\*x+2\*x^3-x^2)/(x-1)/(x+1)/(x^2-x-1) lgdogf  
A024212 19.2878 [ -3\*(2\*x+13)\*(2\*x+1)/(x-1)/(4\*x^2+19\*x+4) lgdogf  
A024212 3.79581 [ {(4\*n+16)\*a(n+4)+(6+15\*n)\*a(n+3)+(-114-15\*n)\*a(n  
+2)+(-16-4\*n)\*a(n+1), a(0) = 4, a(1) = 39, a(2) = 159, a(3) = 445}, ogf]  
A024212 9.82165 [ -(4\*x^2+19\*x+4)/(x-1)^5 ogf]  
A024213 11.0444 [ -(418+1626\*x+32\*x^3+759\*x^2)/(x-1)/(8\*x^3+147\*x^2+222\*x+28)  
lgdogf  
A024213 6.04229 [ -(8\*x^3+147\*x^2+222\*x+28)/(x-1)^7 ogf]  
A024214 4.42190 [ -(16\*x^4+887\*x^3+4128\*x^2+3194\*x+280)/(x-1)^9 ogf]  
A024214 7.43322 [ -(5714+33808\*x+5386\*x^3+80\*x^4+31557\*x^2)/(x-1)/  
(16\*x^4+887\*x^3+4128\*x^2+3194\*x+280) lgdogf  
A024215 11.8571 [ (4\*x^2+13\*x+1)/(x-1)^4 ogf]  
A024215 22.0336 [ -(17+47\*x+8\*x^2)/(x-1)/(4\*x^2+13\*x+1) lgdogf  
A024215 4.06862 [ {(n+4)\*a(n+4)+(19+12\*n)\*a(n+3)+(-65-9\*n)\*a(n+2)+(-12-4\*n)\*a(n  
+1), a(0) = 1, a(1) = 17, a(2) = 66, a(3) = 166}, ogf]  
A024216 3.74527 [ {(-9\*n^2-42\*n-49)\*a(n+1)+(6\*n+17)\*a(n+2)-a(n+3), a(0) = 1, a(1)  
= 5, a(2) = 39}, ogf]  
A024217 5.45520 [ {(-9\*n^2-42\*n-49)\*a(n+1)+a(n+3)-3\*a(n+2), a(0) = 1, a(1) = 3,  
a(2) = 25}, ogf]  
A024219 12.5123 [ -(7+4\*x+8\*x^3-8\*x^4+2\*x^5-17\*x^2)/(x-1)/(1+x^2)/  
(x^3-3\*x^2+2\*x-3) lgdogf  
A024219 9.41194 [ x\*(x^3-3\*x^2+2\*x-3)/(x^2+1)/(x-1)^3 ogf]  
A024220 6.93900 [ (x^4-8\*x^3-7\*x^2-11\*x-2)/(x^2+x+1)/(x-1)^5 ogf]  
A024220 8.51086 [ -(19+3\*x^6-66\*x-122\*x^3-63\*x^4-28\*x^5-110\*x^2)/(x-1)/(1+x^2+x)/  
(x^4-8\*x^3-7\*x^2-11\*x-2) lgdogf

A024224 6.39469 [  $x^*(x^7-2*x^6+2*x^5-3*x^4+2*x^3-3*x^2+2*x-2)/(x^4+1)/(x^2+1)/(x-1)^3$  ogf]  
A024305 14.6279  $-2*(-3-14*x+3*x^3+2*x^4-4*x^2)/(x-1)/(x+1)/(x^3+x^2-2*x-4)$  lgdogf  
A024305 8.55430 [  $-(x^3+x^2-2*x-4)/(x+1)^3/(x-1)^4$  ogf]  
A024306 12.2398  $-(8+36*x-17*x^3-3*x^4+3*x^5+5*x^2)/(x-1)/(x+1)/(x^4-x^3-4*x^2+2*x+6)$  lgdogf  
A024306 7.77792 [  $(x^4-x^3-4*x^2+2*x+6)/(x+1)^3/(x-1)^4$  ogf]  
A024309 5.30726 [  $(x^7+2*x^5-3*x^3+x^2-2)/(x^2+x-1)/(x^4+x^2-1)^2$  ogf]  
A024309 5.88673  $-$   
 $(6*x^9-17*x^8-4*x^7+14*x^6+10*x-4*x^3-25*x^4-20*x^5+3*x^{12}+2*x^{11}+8*x^{10}+2)/(x^2+x-1)/(x^4+x^2-1)/(x^7+2*x^5-3*x^3+x^2-2)$  lgdogf  
A024312 11.7806  $-2*(6+25*x-17*x^3-3*x^4+3*x^5+2*x^2)/(x-1)/(x+1)/(2*x^4-2*x^3-8*x^2+3*x+9)$  lgdogf  
A024312 8.14069 [  $(2*x^4-2*x^3-8*x^2+3*x+9)/(x+1)^3/(x-1)^4$  ogf]  
A024313 3.59794 [  $(2*x^7+3*x^5+x^4-4*x^3+2*x^2-3)/(x^2+x-1)/(x^4+x^2-1)^2$  ogf]  
A024315 3.37663 [  $(2*x^6+x^5+4*x^4+2*x^3-2*x^2-3*x-3)/(x^2+x-1)/(x^4+x^2-1)^2$  ogf]  
A024343 4.14394 [  $\{(64*n^2+256*n+252)*a(n+1)+a(n+2), a(0) = 2, a(1) = -120\}$ , ogf]  
A024346 8.40674  $-(-27+490*x+2376*x^3-2439*x^2)/(x-1)/(9*x-1)/(6*x-1)/(11*x-1)$  lgdogf  
A024346 9.35971 [  $1/(x-1)/(9*x-1)/(6*x-1)/(11*x-1)$  ogf]  
A024347 8.31974  $-2*(-14+261*x+1296*x^3-1323*x^2)/(x-1)/(9*x-1)/(6*x-1)/(12*x-1)$  lgdogf  
A024347 9.56209 [  $1/(x-1)/(9*x-1)/(6*x-1)/(12*x-1)$  ogf]  
A024352 11.0694 [  $-(x^4+2*x^3-2*x^2-2*x-3)/(x^2+x+1)/(x-1)^2$  ogf]  
A024352 11.6037  $-(-5-9*x-2*x^3-x^4+3*x^5-10*x^2)/(x-1)/(x^2+x+1)/(x^4+2*x^3-2*x^2-2*x-3)$  lgdogf  
A024378 18.6481  $-(59+154*x+27*x^2)/(x-1)/(9*x^2+34*x+5)$  lgdogf  
A024378 3.56375 [  $\{(5*n+20)*a(n+4)+(28+29*n)*a(n+3)+(-204-25*n)*a(n+2)+(-36-9*n)*a(n+1), a(0) = 5, a(1) = 59, a(2) = 254, a(3) = 730\}$ , ogf]  
A024378 9.26575 [  $-(9*x^2+34*x+5)/(x-1)^5$  ogf]  
A024379 11.1630  $-4*(203+941*x+27*x^3+509*x^2)/(x-1)/(27*x^3+391*x^2+497*x+45)$  lgdogf  
A024379 6.25203 [  $-(27*x^3+391*x^2+497*x+45)/(x-1)^7$  ogf]  
A024380 4.57305 [  $-(81*x^4+3412*x^3+13678*x^2+9124*x+585)/(x-1)^9$  ogf]  
A024380 7.20110  $-(14389+100348*x+20796*x^3+405*x^4+105982*x^2)/(x-1)/(81*x^4+3412*x^3+13678*x^2+9124*x+585)$  lgdogf  
A024381 11.1423 [  $(9*x^2+22*x+1)/(x-1)^4$  ogf]  
A024381 19.1379  $-2*(3*x+13)*(3*x+1)/(x-1)/(9*x^2+22*x+1)$  lgdogf  
A024381 3.76792 [  $\{(n+4)*a(n+4)+(37+21*n)*a(n+3)+(-110-13*n)*a(n+2)+(-27-9*n)*a(n+1), a(0) = 1, a(1) = 26, a(2) = 107, a(3) = 276\}$ , ogf]  
A024382 4.60100 [  $\{(-16*n^2-72*n-81)*a(n+1)+(8*n+22)*a(n+2)-a(n+3), a(0) = 1, a(1) = 6, a(2) = 59\}$ , ogf]  
A024385 5.99442 [  $x^*(x^6-2*x^5-2*x^4-2*x^3-x^2-3*x-3)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3$  ogf]  
A024386 20.6408  $-(-29-54*x+3*x^2)/(x-1)/(x^2-14*x-3)$  lgdogf  
A024386 3.69410 [  $\{(-3*n-12)*a(n+4)+(-4-11*n)*a(n+3)+(84+15*n)*a(n+2)+(-4-n)*a(n+1), a(0) = 3, a(1) = 29, a(2) = 114, a(3) = 310\}$ , ogf]  
A024386 9.46612 [  $(x^2-14*x-3)/(x-1)^5$  ogf]  
A024388 4.34789 [  $(x^{20}-2*x^{19}+x^{18}+x^{12}-2*x^{11}+x^{10}+x^9-x^8-x^7-2*x^6-x^5-2*x^4-x^3-x^2-x-3)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3$  ogf]  
A024390 4.96208 [  $x^*(x^{16}-2*x^{15}+x^{14}+x^4-2*x^2-x-2)/(x^2+1)/(x+1)/(x-1)^3$  ogf]  
A024391 20.7663  $-3*(22+22*x+x^2)/(x-1)/(x^2+16*x+10)$  lgdogf  
A024391 3.67968 [  $\{(10*n+40)*a(n+4)+(-48+6*n)*a(n+3)+(-96-15*n)*a(n+2)+(-4-n)*a(n+1), a(0) = 10, a(1) = 66, a(2) = 231, a(3) = 595\}$ , ogf]  
A024391 9.40363 [  $-(x^2+16*x+10)/(x-1)^5$  ogf]  
A024392 11.9661  $-(-806+1632*x+4*x^3+393*x^2)/(x-1)/(x^3+78*x^2+246*x+80)$  lgdogf  
A024392 3.47756 [  $\{(-6*n^2-65*n-175)*a(n+1)+(-15*n^2-242*n-827)*a(n+2)+(21*n^2+145*n+246)*a(n+3), a(0) = 80, a(1) = 806, a(2) = 4040\}$ , ogf]  
A024392 6.15751 [  $-(x^3+78*x^2+246*x+80)/(x-1)^7$  ogf]

A024393 4.49606 [  $-(x^4+332x^3+3048x^2+4244x+880)/(x-1)^9$  ogf]  
A024393 7.78484  $-(12164+40048x+1996x^3+5x^4+22332x^2)/(x-1)/(x^4+332x^3+3048x^2+4244x+880)$  lgdogf  
A024394 11.5140 [  $(x^2+13x+4)/(x-1)^4$  ogf]  
A024394 22.6094  $-(29+41x+2x^2)/(x-1)/(x^2+13x+4)$  lgdogf  
A024394 3.97036 [  $\{(4n+16)a(n+4)+(-2+9n)a(n+3)+(-65-12n)a(n+2)+(-3-n)a(n+1), a(0) = 4, a(1) = 29, a(2) = 93, a(3) = 214\}$ , ogf]  
A024395 3.88111 [  $\{(-9n^2-48n-64)a(n+1)+(6n+19)a(n+2)-a(n+3), a(0) = 1, a(1) = 7, a(2) = 66\}$ , ogf]  
A024396 5.54650 [  $\{(-9n^2-48n-64)a(n+1)+a(n+3)-3a(n+2), a(0) = 1, a(1) = 3, a(2) = 34\}$ , ogf]  
A024398 11.2231  $-(4+x^6-3x^4-2x^5-10x^2)/(x-1)/(x^2+1)/(x^4-2x^3-x-1)$  lgdogf  
A024398 7.44224 [  $x(x^4-2x^3-x-1)/(x^2+1)/(x-1)^3$  ogf]  
A024399 6.97157 [  $(x^4-5x^3-7x^2-11x-5)/(x^2+x+1)/(x-1)^5$  ogf]  
A024399 8.55158  $-(-31+3x^6-78x-110x^3-51x^4-16x^5-122x^2)/(x-1)/(x+x^2+1)/(x^4-5x^3-7x^2-11x-5)$  lgdogf  
A024401 6.43044 [  $(x^4-x^3-x^2-x-1)/(x^2+x+1)/(x-1)^3$  ogf]  
A024401 8.83312  $-(-3+x^6-6x-4x^3-3x^4-12x^2)/(x-1)/(x+x^2+1)/(x^4-x^3-x^2-x-1)$  lgdogf  
A024434 8.05694  $-2(-14+263x+1320x^3-1344x^2)/(x-1)/(6x-1)/(10x-1)/(11x-1)$  lgdogf  
A024434 9.41030 [  $1/(x-1)/(6x-1)/(10x-1)/(11x-1)$  ogf]  
A024435 7.46811  $-(-29+560x+2880x^3-2916x^2)/(x-1)/(6x-1)/(12x-1)/(10x-1)$  lgdogf  
A024435 8.46630 [  $1/(x-1)/(6x-1)/(12x-1)/(10x-1)$  ogf]  
A024436 7.32137  $-2(-15+299x+1584x^3-1593x^2)/(x-1)/(6x-1)/(12x-1)/(11x-1)$  lgdogf  
A024436 8.41505 [  $1/(x-1)/(6x-1)/(12x-1)/(11x-1)$  ogf]  
A024437 9.05649  $-(-25+430x+2016x^3-2085x^2)/(x-1)/(8x-1)/(7x-1)/(9x-1)$  lgdogf  
A024437 9.90984 [  $1/(x-1)/(8x-1)/(7x-1)/(9x-1)$  ogf]  
A024438 8.09489  $-2(-13+231x+1120x^3-1149x^2)/(x-1)/(8x-1)/(7x-1)/(10x-1)$  lgdogf  
A024438 9.30912 [  $1/(x-1)/(8x-1)/(7x-1)/(10x-1)$  ogf]  
A024439 8.40674  $-(-27+494x+2464x^3-2511x^2)/(x-1)/(7x-1)/(11x-1)/(8x-1)$  lgdogf  
A024439 9.35971 [  $1/(x-1)/(7x-1)/(11x-1)/(8x-1)$  ogf]  
A024440 8.31974  $-2(-14+263x+1344x^3-1362x^2)/(x-1)/(7x-1)/(12x-1)/(8x-1)$  lgdogf  
A024440 9.56209 [  $1/(x-1)/(7x-1)/(12x-1)/(8x-1)$  ogf]  
A024441 8.54685  $-3(-9+166x+840x^3-853x^2)/(x-1)/(9x-1)/(7x-1)/(10x-1)$  lgdogf  
A024441 9.35971 [  $1/(x-1)/(9x-1)/(7x-1)/(10x-1)$  ogf]  
A024442 8.59407  $-4(-7+133x+693x^3-699x^2)/(x-1)/(9x-1)/(7x-1)/(11x-1)$  lgdogf  
A024442 9.41030 [  $1/(x-1)/(9x-1)/(7x-1)/(11x-1)$  ogf]  
A024443 7.54508  $-(-29+566x+3024x^3-3033x^2)/(x-1)/(9x-1)/(7x-1)/(12x-1)$  lgdogf  
A024443 8.26912 [  $1/(x-1)/(9x-1)/(7x-1)/(12x-1)$  ogf]  
A024444 8.40824  $-(-29+570x+3080x^3-3081x^2)/(x-1)/(7x-1)/(10x-1)/(11x-1)$  lgdogf  
A024444 9.34461 [  $1/(x-1)/(7x-1)/(10x-1)/(11x-1)$  ogf]  
A024445 11.1020  $-6(-5+101x+560x^3-557x^2)/(x-1)/(7x-1)/(12x-1)/(10x-1)$  lgdogf  
A024445 12.0877 [  $1/(x-1)/(7x-1)/(12x-1)/(10x-1)$  ogf]  
A024446 11.0654  $-(-31+646x+3696x^3-3651x^2)/(x-1)/(7x-1)/(12x-1)/(11x-1)$  lgdogf  
A024446 12.2427 [  $1/(x-1)/(7x-1)/(12x-1)/(11x-1)$  ogf]  
A024458 7.44058 [  $-(x^3-x^2+1)/(x^2+1)/(x^2-x-1)/(x^2+x-1)^2$  ogf]  
A024458 8.22691  $-(-1+5x^8-7x^7-2x^6-5x-7x^3+11x^5-4x^2)/(x^2+1)/$

$(x^2+x-1)/(x^2-x-1)/(x^3-x^2+1)$  lgdogf  
A024459 4.88283 [  $(3*x^3-x^2-2*x-1)/(x^2+1)/(x^2-x-1)/(x^2+x-1)^2$  ogf]  
A024463 5.49190 [  $-(5*x^5-3*x^4+3*x^3-x^2-x-1)/(x-1)^2/(x^4+x^2-1)^2$  ogf]  
A024463 6.95450  $-(3+25*x^9-33*x^8+38*x^7-24*x^6+7*x$   
 $+20*x^3-41*x^4+21*x^5-12*x^2)/(x-1)/(x^4+x^2-1)/(5*x^5-3*x^4+3*x^3-x^2-x-1)$   
lgdogf  
A024469 4.14092 [  $-(2*x^5-4*x^4-x^3+7*x^2+2*x+1)/(x^2+1)/(x^2-x-1)/(x^2+x-1)^2$   
ogf]  
A024472 4.38438 [  $(2*x^4-x^3-4*x^2-x-1)/(x^2+1)/(x^2-x-1)/(x^2+x-1)^2$  ogf]  
A024473 5.31182 [  $-(6*x^7-2*x^6+7*x^5-x^4+5*x^3-7*x^2-x-1)/(x-1)^2/(x^4+x^2-1)^2$   
ogf]  
A024482 11.7706  $1/2*(-2-3*x+x^2+((x^2+8*x+4)*(1+x)^2)^{(1/2)})/(2*x+1)^2$  revogf  
A024482 3.52349 [  $\{(-4*n^2-18*n-20)*a(n+1)+(17*n^2+125*n+224)*a(n$   
 $+2)+(-4*n^2-32*n-60)*a(n+3), a(0) = 2, a(1) = 7, a(2) = 25\}$ , ogf]  
A024483 5.71950 [  $\{(-4*n^2-18*n-20)*a(n+1)+(n^2+5*n+4)*a(n+2), a(0) = 0, a(1) =$   
 $2\}$ , ogf]  
A024484 7.80637  $(-1+(-x+1)^{(1/2)})*(x-1)$  revogf  
A024485 4.18926 [  $\{(27*n^2+54*n+24)*a(n+1)+(-4*n^2-14*n-12)*a(n+2), a(0) = -2,$   
 $a(1) = 3\}$ , ogf]  
A024485 8.44608  $[-2*\text{hypergeom}([-1/3, 1/3], [1/2], 27/4*x)$  ogf]  
A024486 4.61834 [  $\{(54*n^3+243*n^2+363*n+180)*a(n+1)+(-2*n^3-13*n^2-28*n-20)*a(n$   
 $+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A024487 4.94746 [  $\{(-54*n^3-405*n^2-1011*n-840)*a(n+1)+(2*n^3+19*n^2+60*n+63)*a(n$   
 $+2), a(0) = 1, a(1) = 9\}$ , ogf]  
A024488 3.93884 [  $\{(27*n^2+108*n+105)*a(n+1)+(-n^2-6*n-9)*a(n+2), a(0) = 3, a(1)$   
 $= 18\}$ , ogf]  
A024489 5.67688 [  $\{(27*n^2+108*n+105)*a(n+1)+(-n^2-6*n-9)*a(n+2), a(0) = 1, a(1)$   
 $= 6\}$ , ogf]  
A024490 18.4923  $-2*(x+1)*(2*x^2-2*x+1)/(x^2-x+1)/(x^2+x-1)$  lgdogf  
A024490 21.3873 [  $-1/(x^2-x+1)/(x^2+x-1)$  ogf]  
A024491 20.0431  $-4/(1-16*x)^{(1/2)}/(1+(1-16*x)^{(1/2)})$  lgdogf  
A024491 5.94053 [  $\{(32*n^2+64*n+30)*a(n+1)+(-2*n^2-7*n-6)*a(n+2), a(0) = -1, a(1)$   
 $= 2\}$ , ogf]  
A024492 28.1431  $-x*(x-1)*(-1+2*x)^2$  revogf  
A024492 4.30142 [  $\{(32*n^2+128*n+126)*a(n+1)+(-2*n^2-11*n-15)*a(n+2), a(0) = 1,$   
 $a(1) = 5\}$ , ogf]  
A024493 12.0821 [  $-(x-1)^2/(2*x-1)/(x^2-x+1)$  ogf]  
A024493 16.0645  $-(-1+3*x+2*x^3-6*x^2)/(x-1)/(2*x-1)/(x^2-x+1)$  lgdogf  
A024493 6.58044 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 1, a(2) =$   
 $1\}$ , ogf]  
A024494 15.4289 [  $(x-1)/(2*x-1)/(x^2-x+1)$  ogf]  
A024494 17.8558  $-(-2+6*x+4*x^3-9*x^2)/(x-1)/(2*x-1)/(x^2-x+1)$  lgdogf  
A024494 7.30116 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) =$   
 $3\}$ , ogf]  
A024495 18.9040 [  $-x^2/(2*x-1)/(x^2-x+1)$  ogf]  
A024495 22.5869  $-3*(2*x^2-2*x+1)/(2*x-1)/(x^2-x+1)$  lgdogf  
A024495 7.04605 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-2*a(n), a(0) = 0, a(1) = 0, a(2) =$   
 $1\}$ , ogf]  
A024496 7.83909  $-3/32+3/8*x-1/4*x^2+1/32*(9-8*x)^{(1/2)}$  revogf  
A024497 6.53439  $-x+1-(x-1)^{(4/3)}*(-1)^{(2/3)}$  revogf  
A024537 12.4412 [  $-(x^2+x-1)/(x-1)/(x^2+2*x-1)$  ogf]  
A024537 14.9035  $-(2-4*x+2*x^3+x^4+x^2)/(x-1)/(x^2+x-1)/(x^2+2*x-1)$  lgdogf  
A024537 6.77600 [  $\{-a(n+3)+3*a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$ ,  
ogf]  
A024551 10.9929 [  $-(x^2+x-1)/(x-1)/(x^2+4*x-1)$  ogf]  
A024551 12.6511  $-(4-8*x+2*x^3+x^4+5*x^2)/(x-1)/(x^2+x-1)/(x^2+4*x-1)$  lgdogf  
A024551 5.93424 [  $\{-a(n+3)+5*a(n+2)-3*a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) =$   
 $16\}$ , ogf]  
A024591 4.91582 [  $(x^4-2*x^2-x-1)/(x^2+1)/(x^2-x-1)/(x^2+x-1)^2$  ogf]  
A024592 4.90294 [  $-(3*x^7-x^6+6*x^5-2*x^4+4*x^3-4*x^2-x-1)/(x-1)^2/(x^4+x^2-1)^2$   
ogf]

A024598 10.7901  $-(3+25*x+54*x^3+11*x^4+9*x^5+26*x^2)/(x-1)/(x+1)/(3*x^4+2*x^3+8*x^2+2*x+1)$  lgdogf  
A024598 7.46423  $[(3*x^4+2*x^3+8*x^2+2*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A024638 4.68867  $[x*(10*x^11+10*x^10+10*x^9+10*x^8+10*x^7+10*x^6-45*x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(10*x^6-1)/(x-1)^2$  ogf]  
A024643 4.16663  $[x*(10*x^13+10*x^12+10*x^11+10*x^10+10*x^9+10*x^8+10*x^7-54*x^6-x^5-x^4-x^3-x^2-x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(10*x^7-1)/(x-1)^2$  ogf]  
A024646 4.26545  $[x*(24581*x^24-23904*x^23+3899*x^16-3904*x^15+93*x^8-160*x^7-5)/(677*x^24-5*x^16-67*x^8-5)/(x-1)^2$  ogf]  
A024658 4.89170  $[x*(73*x^30-60*x^29+39*x^20-40*x^19+19*x^10-20*x^9-1)/(13*x^30-x^20-x^10-1)/(x-1)^2$  ogf]  
A024718 5.00881  $[\{(4*n+10)*a(n+1)+(-5*n-13)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 5\},$  ogf]  
A024719 4.51682  $[\{(-27*n^2-135*n-168)*a(n+1)+(31*n^2+157*n+198)*a(n+2)+(-4*n^2-22*n-30)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 7\},$  ogf]  
A024771 8.18483  $-2*(-14+269*x+1440*x^3-1443*x^2)/(x-1)/(9*x-1)/(8*x-1)/(10*x-1)$  lgdogf  
A024771 9.41030  $[1/(x-1)/(9*x-1)/(8*x-1)/(10*x-1)$  ogf]  
A024772 8.45318  $-(-29+574*x+3168*x^3-3153*x^2)/(x-1)/(9*x-1)/(11*x-1)/(8*x-1)$  lgdogf  
A024772 9.24521  $[1/(x-1)/(9*x-1)/(11*x-1)/(8*x-1)$  ogf]  
A024778 7.34956  $-2*(-15+305*x+1728*x^3-1710*x^2)/(x-1)/(8*x-1)/(12*x-1)/(9*x-1)$  lgdogf  
A024778 8.31777  $[1/(x-1)/(8*x-1)/(12*x-1)/(9*x-1)$  ogf]  
A024786 18.2720  $[-(-x^2+x+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A024787 17.7759  $[-(-x^3+x^2+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A024788 17.0649  $[-(-x^4+x^3+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A024789 16.4329  $[-(-x^5+x^4+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A024790 17.0851  $[-(-x^6+x^5+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A024812 11.7204  $[(x^15-x^14+3*x^2+2*x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A024812 9.09154  $(-4-10*x+11*x^17-11*x^16-14*x^14+14*x^13-9*x^3-6*x^4-13*x^2)/(x-1)/(x^15-x^14+3*x^2+2*x+2)/(x^2+x+1)$  lgdogf  
A024813 10.5313  $[(2*x^15-2*x^14-x^3+5*x^2+3*x+4)/(x^2+x+1)/(x-1)^2$  ogf]  
A024813 7.96207  $(-7-17*x+22*x^17-22*x^16-28*x^14+28*x^13-13*x^3-9*x^4+x^5-21*x^2)/(x-1)/(x^2+x+1)/(2*x^15-2*x^14-x^3+5*x^2+3*x+4)$  lgdogf  
A024814 12.6343  $[x*(333*x^17+9*x^2+12*x+1)/(x-1)^2$  ogf]  
A024814 14.3349  $(-14-30*x+4995*x^17-5661*x^16)/(x-1)/(333*x^17+9*x^2+12*x+1)$  lgdogf  
A024817 6.46973  $[(x^7-2*x^6+10*x^4+10*x^3+6*x^2+13*x+7)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A024831 5.62538  $[(x^6+3*x^5+2*x^4-8*x^3-4*x^2+3*x+2)/(x-1)/(x^2+x-1)$  ogf]  
A024851 4.75766  $[(3*x-2)/(x-1)/(x^2-3*x+1)$  ogf]  
A024853 23.3378  $-2*(2+11*x+3*x^2)/(x-1)/(x+3)/(x+1)$  lgdogf  
A024853 4.16154  $[\{(-3*n-12)*a(n+4)+(1-n)*a(n+3)+(28+3*n)*a(n+2)+(7+n)*a(n+1), a(0) = 3, a(1) = 4, a(2) = 13, a(3) = 16\},$  ogf]  
A024853 9.79186  $[(x+3)/(x+1)^3/(x-1)^4$  ogf]  
A024854 19.1937  $-(-5-27*x+5*x^3-5*x^2)/(x-1)/(x+1)/(x^2-x-4)$  lgdogf  
A024854 9.24830  $[-(x^2-x-4)/(x+1)^3/(x-1)^4$  ogf]  
A024857 4.37297  $[-(x^5+2*x^2+x+1)/(x^2+x-1)/(x^4+x^2-1)^2$  ogf]  
A024857 5.06971  $-(-2+27*x^6-10*x-2*x^8+16*x^7+5*x^10+4*x^9-2*x^3+8*x^4+18*x^5+3*x^2)/(x^2+x-1)/(x^4+x^2-1)/(x^5+2*x^2+x+1)$  lgdogf  
A024858 3.61380  $[(x^5-2*x^4-4*x^3-2*x^2-x-3)/(x^2+x-1)/(x^4+x^2-1)^2$  ogf]  
A024861 4.02066  $[-(x^4+2*x^3+2*x^2+x+2)/(x^2+x-1)/(x^4+x^2-1)^2$  ogf]  
A024862 17.2864  $-(5+29*x+15*x^3+15*x^2)/(x-1)/(x+1)/(3*x^2+2*x+3)$  lgdogf  
A024862 5.04347  $[\{(2*n^2+23*n+66)*a(n+1)+(9+2*n)*a(n+2)+(-2*n^2-13*n-21)*a(n+3), a(0) = 3, a(1) = 5, a(2) = 17\},$  ogf]  
A024862 9.27348  $[(3*x^2+2*x+3)/(x+1)^3/(x-1)^4$  ogf]



A024868 12.6484  $-(8+36*x-17*x^3-3*x^4+3*x^5+5*x^2)/(x-1)/(x+1)/(x^4-x^3-4*x^2+2*x+6)$  lgdogf  
A024868 8.03358  $[(x^4-x^3-4*x^2+2*x+6)/(x+1)^3/(x-1)^4$  ogf]  
A024869 12.4106  $-2*(5+22*x-14*x^3-x^4+3*x^5+x^2)/(x-1)/(x+1)/(2*x^4-x^3-7*x^2+2*x+8)$  lgdogf  
A024869 7.88446  $[(2*x^4-x^3-7*x^2+2*x+8)/(x+1)^3/(x-1)^4$  ogf]  
A024872 5.06604  $[(x+1)*(x^5-x^4+3*x^3-2*x^2-2)/(x^2+x-1)/(x^4+x^2-1)^2$  ogf]  
A024872 5.50994  $-(4-27*x^6+16*x+16*x^8-8*x^7+4*x^11+3*x^10+10*x^9-6*x^3-14*x^4-32*x^5-7*x^2)/(x+1)/(x^2+x-1)/(x^4+x^2-1)/(x^5-x^4+3*x^3-2*x^2-2)$  lgdogf  
A024873 5.30932  $[(2*x^7+x^6+4*x^5+2*x^4-5*x^3-2*x-6)/(x^2+x-1)/(x^4+x^2-1)^2$  ogf]  
A024874 4.97299  $[(x^7+x^6+2*x^5+2*x^4-2*x^3-x^2-2*x-4)/(x^2+x-1)/(x^4+x^2-1)^2$  ogf]  
A024875 11.5090  $-(15+61*x-51*x^3-4*x^4+12*x^5-x^2)/(x-1)/(x+1)/(4*x^4-2*x^3-13*x^2+3*x+12)$  lgdogf  
A024875 7.81215  $[(4*x^4-2*x^3-13*x^2+3*x+12)/(x+1)^3/(x-1)^4$  ogf]  
A024876 8.27275  $-(7+4*x^6-12*x+16*x^3+5*x^4+6*x^5-10*x^2)/(4*x^3+3*x^2+2*x-3)/(x^4+x^3+x^2-3*x+1)$  lgdogf  
A024876 8.87743  $[-(4*x^3+3*x^2+2*x-3)/(x^4+x^3+x^2-3*x+1)$  ogf]  
A024926 12.1336  $(-3-11*x^10+9*x^11+x+28*x^30-30*x^29-4*x^3+2*x^4)/(x-1)/(x^30+x^11+x^4-x+2)$  lgdogf  
A024926 13.0523  $[(x^30+x^11+x^4-x+2)/(x-1)^2$  ogf]  
A024966 16.6504  $[-7*x/(x-1)^3$  ogf]  
A024966 6.68991  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 21\}$ , ogf]  
A024966 92.2396  $-3/(x-1)$  lgdogf  
A024999 8.18975  $-2*(-15+307*x+1760*x^3-1737*x^2)/(x-1)/(10*x-1)/(11*x-1)/(8*x-1)$  lgdogf  
A024999 9.39433  $[1/(x-1)/(10*x-1)/(11*x-1)/(8*x-1)$  ogf]  
A025007 7.55754  $-(-31+652*x+3840*x^3-3768*x^2)/(x-1)/(12*x-1)/(10*x-1)/(8*x-1)$  lgdogf  
A025007 8.41505  $[1/(x-1)/(12*x-1)/(10*x-1)/(8*x-1)$  ogf]  
A025008 7.36469  $-2*(-16+347*x+2112*x^3-2058*x^2)/(x-1)/(12*x-1)/(11*x-1)/(8*x-1)$  lgdogf  
A025008 8.31778  $[1/(x-1)/(12*x-1)/(11*x-1)/(8*x-1)$  ogf]  
A025009 7.51282  $-(-31+658*x+3960*x^3-3867*x^2)/(x-1)/(9*x-1)/(10*x-1)/(11*x-1)$  lgdogf  
A025009 8.36640  $[1/(x-1)/(9*x-1)/(10*x-1)/(11*x-1)$  ogf]  
A025030 4.78375  $[-(x^6-x^5-5*x^4+4*x^3+6*x^2-3*x-1)/(x-1)/(x^2-x-1)/(x^4+x^3-4*x^2-4*x+1)$  ogf]  
A025031 7.36469  $-2*(-16+349*x+2160*x^3-2097*x^2)/(x-1)/(9*x-1)/(12*x-1)/(10*x-1)$  lgdogf  
A025031 8.31778  $[1/(x-1)/(9*x-1)/(12*x-1)/(10*x-1)$  ogf]  
A025035 6.81831  $\{(9*n^2+27*n+20)*a(n+1)-2*a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A025036 3.89526  $\{(-32*n^3-144*n^2-214*n-105)*a(n+1)+3*a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A025065 21.8967  $[-(x^2-x-1)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A025078 7.54566  $[(x^3-x-1)/(x^2+1)/(x^2-x-1)/(x^2+x-1)^2$  ogf]  
A025078 7.72629  $-(x+1)*(5*x^7-6*x^6-4*x^5-5*x^4+12*x^3-2*x^2+6*x+2)/(x^2+1)/(x^2+x-1)/(x^2-x-1)/(x^3-x-1)$  lgdogf  
A025079 4.76429  $[-(x^3-2*x^2+x+3)/(x^2+1)/(x^2-x-1)/(x^2+x-1)^2$  ogf]  
A025082 5.41034  $[(x+1)*(x-2)/(x^2+1)/(x^2-x-1)/(x^2+x-1)^2$  ogf]  
A025082 5.63027  $-(3-8*x^6+13*x+6*x^7+17*x^3+7*x^4-20*x^5+8*x^2)/(x-2)/(x+1)/(x^2+1)/(x^2+x-1)/(x^2-x-1)$  lgdogf  
A025083 5.81708  $[-(3*x^5-x^4+x^3+x^2+x-3)/(x-1)^2/(x^4+x^2-1)^2$  ogf]  
A025083 7.72452  $-(5+4*x^6+9*x+14*x^7+32*x^3-51*x^4+15*x^5-24*x^2+15*x^9-15*x^8)/(x-1)/(x^4+x^2-1)/(3*x^5-x^4+x^3+x^2+x-3)$  lgdogf  
A025089 4.00997  $[(4*x^5+2*x^4-7*x^3-6*x^2-x-3)/(x^2+1)/(x^2-x-1)/(x^2+x-1)^2$  ogf]  
A025092 3.92643  $[(2*x^5+2*x^4-4*x^3-5*x^2-x-2)/(x^2+1)/(x^2-x-1)/(x^2+x-1)^2$

ogf]  
 A025105 4.14092 [  $(x^5+x^4-2x^3-2x^2-x-2)/(x^2+1)/(x^2-x-1)/(x^2+x-1)^2$  ogf]  
 A025106 5.19430 [  $-(x^7+x^6+2x^5+2x^4+4x^3-4x^2+x-3)/(x-1)^2/(x^4+x^2-1)^2$  ogf]  
 A025106 6.05898  $-(5-49x^6+19x^7+29x^8+33x^9-63x^{10}+45x^{11}-33x^{12}+3x^{13}+11x^{14}+3x^{15}+7x^{16}+9x^{17})/(x-1)/(x^4+x^2-1)/(x^7+x^6+2x^5+2x^4+4x^3-4x^2+x-3)$  lgdogf  
 A025112 11.6881  $-(5+39x+46x^2+9x^3+9x^4+3x^5+26x^6)/(x-1)/(x+1)/(x^4+2x^3+8x^2+2x+3)$  lgdogf  
 A025112 7.75302 [  $(x^4+2x^3+8x^2+2x+3)/(x+1)^3/(x-1)^4$  ogf]  
 A025130 7.64698  $-(-33+742x+4752x^2-4581x^3)/(x-1)/(9x-1)/(12x-1)/(11x-1)$  lgdogf  
 A025130 8.36557 [  $1/(x-1)/(9x-1)/(12x-1)/(11x-1)$  ogf]  
 A025147 16.6948 [  $-(x^3-x^2-x)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
 A025148 15.4338 [  $-(-x^5+x^3+x^2)/(x^2-1)$  ogf\_with\_Euler\_transform]  
 A025149 15.7600 [  $-(-x^7+x^4+x^3)/(x^2-1)$  ogf\_with\_Euler\_transform]  
 A025150 15.7296 [  $-(x^9-x^5-x^4)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
 A025151 15.4958 [  $-(-x^{11}+x^6+x^5)/(x^2-1)$  ogf\_with\_Euler\_transform]  
 A025152 15.3825 [  $-(x^{13}-x^7-x^6)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
 A025153 15.4108 [  $-(-x^{15}+x^8+x^7)/(x^2-1)$  ogf\_with\_Euler\_transform]  
 A025154 15.5837 [  $-(x^{17}-x^9-x^8)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
 A025155 15.0746 [  $-(-x^{19}+x^{10}+x^9)/(x^2-1)$  ogf\_with\_Euler\_transform]  
 A025163 10.6529  $-6*(-1+4x)/(8x^2+1-4x)$  lgdogf  
 A025164 6.29545 [  $\{-a(n+1)+(-2n-5)a(n+2)+a(n+3), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
 A025166 34.6874  $-(-1+4x)/(2x-1)^2$  lgdegf  
 A025166 4.49360 [  $\{(4n^2+16n+16)a(n+1)+(-4n-9)a(n+2)+a(n+3), a(0) = -1, a(1) = -1, a(2) = -1\}$ , ogf]  
 A025167 29.9686  $-(-3+4x)/(2x-1)^2$  lgdegf  
 A025167 3.97921 [  $\{(-4n^2-16n-16)a(n+1)+(4n+11)a(n+2)-a(n+3), a(0) = 1, a(1) = 3, a(2) = 17\}$ , ogf]  
 A025168 32.9530  $1+(-1+4x-4x^2)*f(x)$  lgdegf  
 A025168 5.96608 [  $\{(4n^2+4n)a(n)+(-4n-5)a(n+1)+a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
 A025169 15.7557  $-1/2*(-3x-2+(5x+2)^{1/2}*(x+2)^{1/2})/x$  revogf  
 A025169 19.9748 [  $2/(x^2-3x+1)$  ogf]  
 A025169 30.7612  $-(-3+2x)/(x^2+1-3x)$  lgdogf  
 A025169 8.03863 [  $\{-a(n+2)+3a(n+1)-a(n), a(0) = 2, a(1) = 6\}$ , ogf]  
 A025170 22.1137 [  $1/(9x^2+2x+1)$  ogf]  
 A025170 31.9336  $-2*(1+9x)/(9x^2+1+2x)$  lgdogf  
 A025170 8.89941 [  $\{-a(n+2)-2a(n+1)-9a(n), a(0) = 1, a(1) = -2\}$ , ogf]  
 A025171 20.5440 [  $1/(16x^2+2x+1)$  ogf]  
 A025171 21.0428  $-2*(1+16x)/(16x^2+1+2x)$  lgdogf  
 A025171 8.41563 [  $\{-a(n+2)-2a(n+1)-16a(n), a(0) = 1, a(1) = -2\}$ , ogf]  
 A025172 14.9411 [  $-(x-1)/(9x^2-2x+1)$  ogf]  
 A025172 20.0575  $-(1-18x+9x^2)/(x-1)/(9x^2-2x+1)$  lgdogf  
 A025172 8.19940 [  $\{a(n+2)-2a(n+1)+9a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
 A025173 10.0139 [  $-x*(9x-1)/(9x^2-2x+1)^2$  ogf]  
 A025173 18.0010  $-(-5-54x+243x^2)/(9x-1)/(9x^2-2x+1)$  lgdogf  
 A025173 3.35440 [  $\{(-3-n)a(n+4)+(17+11n)a(n+3)+(-81-27n)a(n+2)+(243+81n)a(n+1), a(0) = 0, a(1) = 1, a(2) = -5, a(3) = -42\}$ , ogf]  
 A025174 26.3858  $x*(2x+1)^2/(3x+1)^3$  revogf  
 A025174 4.98439 [  $\{(27n^2+27n+6)a(n)+(-4n^2-6n-2)a(n+1), a(0) = 0, a(1) = 1\}$ , ogf]  
 A025175 10.0896  $(-32x^2+6x-1+(1-4x+16x^2)^{1/2})/(1-4x+16x^2)/x$  lgdogf  
 A025178 3.93463 [  $\{(3n^2+15n+18)a(n+1)+(2n^2+11n+15)a(n+2)+(-n^2-6n-8)a(n+3), a(0) = 0, a(1) = 2, a(2) = 4\}$ , ogf]  
 A025190 7.33670  $-2*(-17+395x+2640x^2-2523x^3)/(x-1)/(12x-1)/(10x-1)/(11x-1)$  lgdogf  
 A025190 8.41338 [  $1/(x-1)/(12x-1)/(10x-1)/(11x-1)$  ogf]  
 A025192 18.4389 [  $(x-1)/(3x-1)$  ogf]

A025192 20.2744  $1/2+3/2*x-1/2*(1+2*x+9*x^2)^{(1/2)}$  revogf  
A025192 44.6037  $2/(x-1)/(3*x-1)$  lgdogf  
A025192 9.47554  $[{a(n+2)-3*a(n+1), a(0) = 1, a(1) = 2}], ogf]$   
A025211 12.1307  $-2*(-7+71*x+240*x^3-231*x^2)/(-1+4*x)/(3*x-1)/(2*x-1)/(5*x-1)$   
lgdogf  
A025211 13.6821  $[1/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1) ogf]$   
A025225 21.9484  $4/(1-8*x)^{(1/2)}/(1+(1-8*x)^{(1/2)})$  lgdogf  
A025225 60.3582  $-1/2*x*(x-1)$  revogf  
A025225 7.01752  $[{(-8*n-12)*a(n+1)+(n+3)*a(n+2), a(0) = 2, a(1) = 4}], ogf]$   
A025226 12.3852  $6/(1-12*x)^{(1/2)}/(1+(1-12*x)^{(1/2)})$  lgdogf  
A025226 36.1234  $-1/3*x*(x-1)$  revogf  
A025226 4.19636  $[{(-12*n-18)*a(n+1)+(n+3)*a(n+2), a(0) = 3, a(1) = 9}], ogf]$   
A025227 25.8959  $-1/2+1/2*(1+4*x-4*x^2)^{(1/2)}$  revogf  
A025227 3.62055  $[{(8*n^2-8*n)*a(n)+(12*n^2+12*n)*a(n+1)+(2*n^2+10*n+12)*a(n+2)+(-n^2-5*n-6)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 2}], ogf]$   
A025228 24.7182  $1/3-1/3*(1-3*x+3*x^2)^{(1/2)}$  revogf  
A025228 9.01879  $(-3*x+1+(2*x-1)^{(1/2)}*(6*x-1)^{(1/2)})/(6*x-1)^{(1/2)}/(2*x-1)^{(1/2)}/(3*x-2)/x$  lgdogf  
A025229 23.0409  $-1/4+1/4*(1+8*x-8*x^2)^{(1/2)}$  revogf  
A025229 3.24067  $[{(-32*n^2-32*n)*a(n)+(-24*n^2-72*n-48)*a(n+1)+(-18-6*n)*a(n+2)+(n^2+7*n+12)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 6}], ogf]$   
A025230 18.4635  $3/16-1/16*(9-32*x+32*x^2)^{(1/2)}$  revogf  
A025230 6.89602  $1/2*(-16*x+3+3*(-1+4*x)^{(1/2)}*(8*x-1)^{(1/2)})/(8*x-1)^{(1/2)}/(-1+4*x)^{(1/2)}/x/(8*x-3)$  lgdogf  
A025231 10.6271  $(x-1+(1-8*x+4*x^2)^{(1/2)})/(x-2)/x/(1-8*x+4*x^2)^{(1/2)}$  lgdogf  
A025231 33.1315  $1-(1-x+x^2)^{(1/2)}$  revogf  
A025232 15.6720  $3/14-1/14*(9-28*x+28*x^2)^{(1/2)}$  revogf  
A025232 7.14460  $1/2*(14*x-3+3*(1-12*x+28*x^2)^{(1/2)})/(7*x-3)/x/(1-12*x+28*x^2)^{(1/2)}$  lgdogf  
A025233 18.1325  $[48/(-x^2+1) ogf\_with\_Euler\_transform]$   
A025234 10.5696  $-x*(x+2)*(3*x^4-2*x^3-5*x^2+2*x+4)/(x+1)/(x^2+x-1)/(x^4-x^3-3*x^2-2*x+1)$  lgdogf  
A025234 11.1755  $[-(x^2+x-1)/(x+1)/(x^4-x^3-3*x^2-2*x+1) ogf]$   
A025235 4.92107  $[{(-7*n-14)*a(n+1)+(-2*n-7)*a(n+2)+(n+5)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 3}], ogf]$   
A025235 56.1348  $x/(1+x+2*x^2)$  revogf  
A025237 5.89278  $[{(11*n+22)*a(n+1)+(2*n+7)*a(n+2)+(-n-5)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 4}], ogf]$   
A025237 67.8640  $x/(1+x+3*x^2)$  revogf  
A025238 18.3297  $-3/2+3/2*x+1/2*((x-1)*(5*x-9))^{(1/2)}$  revogf  
A025238 8.79827  $-1/2*(-7*x+3+3*(5*x-1)^{(1/2)}*(x-1)^{(1/2)})/(x-1)^{(1/2)}/(x+3)/(5*x-1)^{(1/2)}/x$  lgdogf  
A025239 17.4363  $-1/3+1/3*x+1/3*(-(2*x+1)*(x-1))^{(1/2)}$  revogf  
A025240 11.0702  $-1/2*(5*x-3+3*(1-6*x+x^2)^{(1/2)})/(2*x+3)/(1-6*x+x^2)^{(1/2)}/x$  lgdogf  
A025240 18.9775  $-3/4+3/4*x+1/4*((x-1)*(-9+x))^{(1/2)}$  revogf  
A025249 3.78086  $[{(8*n+28)*a(n+1)+(-n-5)*a(n+2)+(2*n+13)*a(n+3)+(-n-8)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 7}], ogf]$   
A025250 17.5007  $-1/2*(-1-x^2+(1-2*x^2+x^4+4*x)^{(1/2)})/(x-1)$  revogf  
A025251 17.3475  $-1/2*(-1-x^2+(1-2*x^2+x^4+8*x)^{(1/2)})/(-2+x)$  revogf  
A025253 16.7201  $-1/2*(-2-x^2+(4-4*x^2+x^4+4*x)^{(1/2)})/(-1+2*x)$  revogf  
A025262 4.25213  $[{(4*n+2)*a(n+1)+(-4*n-14)*a(n+3)+(n+5)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3}], ogf]$   
A025263 3.34037  $[{(-12*n-6)*a(n+1)+(4*n+8)*a(n+2)+(4*n+14)*a(n+3)+(-n-5)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 1, a(3) = 6}], ogf]$   
A025264 3.41202  $[{(-12*n-6)*a(n+1)+(-12*n-24)*a(n+2)+(8*n+28)*a(n+3)+(-n-5)*a(n+4), a(0) = 2, a(1) = 1, a(2) = 1, a(3) = 5}], ogf]$   
A025265 3.83696  $[{(-4*n-2)*a(n+1)+(4*n+8)*a(n+2)+(-4*n-14)*a(n+3)+(n+5)*a(n+4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 2}], ogf]$   
A025266 4.38797  $[{(8*n+4)*a(n+1)+(-4*n-14)*a(n+3)+(n+5)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 1}], ogf]$

A025267 3.79521 [  $\{(12n+6)a(n+1)+(-8n-16)a(n+2)+(4n+14)a(n+3)+(-n-5)a(n+4), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = 3\}$ , ogf]  
A025440 13.2072 [  $1/(6x-1)/(3x-1)/(2x-1)/(4x-1)$  ogf]  
A025440 8.54370  $-(-15+160x+576x^3-540x^2)/(6x-1)/(3x-1)/(2x-1)/(-1+4x)$  lgdogf  
A025445 10.1717 [  $1/(4x-1)/(3x-1)/(2x-1)/(7x-1)$  ogf]  
A025445 8.97813  $-2*(-8+89x+336x^3-309x^2)/(-1+4x)/(3x-1)/(2x-1)/(7x-1)$  lgdogf  
A025467 10.6000 [  $1/(4x-1)/(3x-1)/(2x-1)/(8x-1)$  ogf]  
A025467 9.36428  $-(-17+196x+768x^3-696x^2)/(-1+4x)/(3x-1)/(2x-1)/(8x-1)$  lgdogf  
A025470 8.48463  $-2*(-9+107x+432x^3-387x^2)/(-1+4x)/(3x-1)/(9x-1)/(2x-1)$  lgdogf  
A025470 9.60016 [  $1/(4x-1)/(3x-1)/(9x-1)/(2x-1)$  ogf]  
A025495 6.31948 [  $(x^7-x^6+3x^5+7x^4+22x^3+7x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A025495 7.34195  $(-2-8x^6-20x-2x^7-100x^3-95x^4-14x^5-80x^2+x^8)/(x-1)/(x+1)/(x^7-x^6+3x^5+7x^4+22x^3+7x^2+1)$  lgdogf  
A025551 13.3852 [  $-(6x-1)/(9x-1)/(3x-1)$  ogf]  
A025551 15.0517  $-6*(1-9x+27x^2)/(6x-1)/(3x-1)/(9x-1)$  lgdogf  
A025551 7.48932 [  $\{a(n+2)-12a(n+1)+27a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A025565 42.2773  $-2/(x+1)/(3x-1)$  lgdogf  
A025565 5.65381 [  $\{(-n-2)a(n+2)+(4+2n)a(n+1)+3n^2a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A025566 3.50199 [  $\{(3n^2-3n)a(n)+(5n^2+8n)a(n+1)+(n^2+7n+9)a(n+2)+(-n^2-4n-3)a(n+3), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
A025577 19.8028  $-(-3+4x+3x^2)/(x-1)/(x+1)/(3x-1)$  lgdogf  
A025577 3.56781 [  $\{(n+4)a(n+4)+(-12-3n)a(n+3)+(2-n)a(n+2)+(6+3n)a(n+1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 17\}$ , ogf]  
A025578 4.05642 [  $\{-9a(n)^n+(-3n-9)a(n+1)+(5n+12)a(n+2)+(-n-3)a(n+3), a(0) = 1, a(1) = 3, a(2) = 8\}$ , ogf]  
A025579 14.8679 [  $(x+1)^2/(2x-1)/(3x-1)$  ogf]  
A025579 17.7263  $2*(1-2x+3x^2)/(3x-1)/(2x-1)/(x+1)$  lgdogf  
A025579 7.96495 [  $\{-a(n+3)+3a(n+2), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A025592 4.10950 [  $(x-1)^4/(4x-1)^3/(3x-1)^2/(5x-1)/(192x^7+184x^6-1066x^5-113x^4+468x^3-166x^2+22x-1)$  ogf]  
A025593 4.15187 [  $(5x-1)^3/(32x^6+32x^5-164x^4-52x^3+71x^2-16x+1)/(x+1)/(192x^7+184x^6-1066x^5-113x^4+468x^3-166x^2+22x-1)$  ogf]  
A025594 4.38541 [  $-x*(32x^6+56x^5-214x^4-17x^3+61x^2-15x+1)/(x+1)/(192x^7+184x^6-1066x^5-113x^4+468x^3-166x^2+22x-1)$  ogf]  
A025595 3.77507 [  $-(48x^9+120x^8-126x^7-457x^6-175x^5+162x^4+75x^3-18x^2-6x+1)/(3x-1)/(3x^3+9x^2+6x-1)/(3x^3-3x-1)/(3x^3-9x^2-3x+1)$  ogf]  
A025599 4.47357 [  $-(72x^7+128x^6-42x^5-108x^4-3x^3+21x^2+x-1)/(96x^8-16x^7-276x^6-42x^5+162x^4+29x^3-27x^2-3x+1)$  ogf]  
A025607 3.85903 [  $\{-a(n+3)+18a(n+2)-44a(n+1)-168a(n), a(0) = 1, a(1) = 0, a(2) = 14\}$ , ogf]  
A025607 6.09927  $-28x^2*(-1-216x^2+348x^3+27x)/(6x-1)/(2x+1)/(14x-1)/(58x^2-18x+1)$  lgdogf  
A025607 6.68130 [  $(58x^2-18x+1)/(6x-1)/(2x+1)/(14x-1)$  ogf]  
A025608 14.7877 [  $2x^2/(6x-1)/(2x+1)/(14x-1)$  ogf]  
A025608 15.9668  $-2*(-9+44x+252x^2)/(6x-1)/(2x+1)/(14x-1)$  lgdogf  
A025608 6.35611 [  $\{-a(n+3)+18a(n+2)-44a(n+1)-168a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A025609 3.84331 [  $\{-a(n+3)+18a(n+2)-44a(n+1)-168a(n), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A025609 7.10625  $-2*(3-44x+2016x^3+12x^2)/(6x-1)/(2x+1)/(12x-1)/(14x-1)$  lgdogf  
A025609 7.12873 [  $-x*(12x-1)/(6x-1)/(2x+1)/(14x-1)$  ogf]  
A025693 7.56539 [  $-(x^{15}-x^{14}+x^{12}+x^9+x^6+x^3+1)/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^3$  ogf]  
A025694 6.91519 [  $-(x^{20}-x^{19}+x^{16}+x^{13}+x^{10}+x^7+x^4+1)/$

$(x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025695 10.6198 [  $-(x^7+x^4+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^3$  ogf]  
A025699 5.71915 [  $-(x^{18}-x^{17}+x^{16}+x^{14}+x^{12}+x^{10}+x^8+x^6+x^4+x^2+1)/(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025700 6.18386 [  $-(x^{19}+x^{17}+x^{15}+x^{13}+x^{11}+x^9+x^7+x^5+x^3+1)/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{12}-x^{11}+x^9-x^8+x^6-x^4+x^3-x+1)/(x-1)^3$  ogf]  
A025704 7.72831 [  $-(x^6+x^3+x^2+x+1)*(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025705 10.7276 [  $-(x^2+x+1)*(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025705 23.3841 [  $[-x^5+x^4+x+2]$  ogf\_with\_Euler\_transform]  
A025705 8.97571 [  $-(2+7*x^6+4*x+2*x^7+8*x^3+11*x^4+4*x^5+4*x^2+3*x^8)/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf]  
A025707 5.69041 [  $-(x^{11}-x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^3$  ogf]  
A025710 5.13705 [  $-(x^{16}-x^{15}+x^{14}+x^{13}+x^{11}+x^{10}+x^9+x^7+x^6+x^5+x^3+x^2+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^3$  ogf]  
A025711 6.48699 [  $-(x^{11}-x^{10}+x^9+x^8+x^6+x^5+x^3+x^2+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^3$  ogf]  
A025712 5.13602 [  $-(2*x^{12}+3*x^{11}+2*x^{10}+3*x^9+2*x^8+3*x^7+3*x^6+2*x^5+3*x^4+2*x^3+3*x^2+2*x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^3$  ogf]  
A025715 29.4349 [  $-x^9+x^8+3$  ogf\_with\_Euler\_transform]  
A025719 7.49065 [  $-(x^8+x^7+x^6+x^4+x^3+x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3$  ogf]  
A025722 7.47144 [  $-(3+6*x+14*x^3+22*x^4+16*x^5+13*x^6+12*x^7+5*x^8+2*x^9+12*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+x^4+2*x^3+x^2+x+1)$  lgdogf]  
A025722 8.29369 [  $-(x^5+x^4+2*x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025727 5.14483 [  $-(x^{14}-x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^6+x^5+x^4+x^3+x^2+1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025734 7.60512 [  $-(3*x^6+3*x^5+3*x^4+3*x^3+3*x^2+3*x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3$  ogf]  
A025735 5.38805 [  $-(x^{11}+x^{10}+2*x^9+x^8+x^7+2*x^6+x^5+x^4+2*x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025738 25.6937 [  $3-x^{17}$  ogf\_with\_Euler\_transform]  
A025742 11.9102 [  $-(3+8*x+12*x^3+8*x^4+2*x^5+x^6+11*x^2)/(x-1)/(x^2+x+1)/(x^4+2*x^2+x+1)$  lgdogf]  
A025742 9.99432 [  $-(x^4+2*x^2+x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A025743 7.15951 [  $-(x^2+1)*(x^5+x^4+x^3+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025744 7.26190 [  $-(x^2+x+1)*(x^2-x+1)*(x^4+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025745 5.46559 [  $-(x^{11}+x^{10}+x^9+x^8+x^7+2*x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025747 28.1802 [  $-x^{21}+x^{20}+3$  ogf\_with\_Euler\_transform]  
A025748 6.02561 [  $\{(-9*n+3)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 1\}$ , ogf]  
A025749 5.18478 [  $\{(-16*n+4)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 1\}$ , ogf]  
A025750 5.28671 [  $\{(-25*n+5)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 1\}$ , ogf]  
A025751 5.81246 [  $\{(-36*n+6)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 1\}$ , ogf]  
A025752 5.45943 [  $\{(-49*n+7)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 1\}$ , ogf]  
A025753 4.99733 [  $\{(-64*n+8)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 1\}$ , ogf]  
A025754 5.24859 [  $\{(-81*n+9)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 1\}$ , ogf]  
A025755 4.50506 [  $\{(-100*n+10)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 1\}$ , ogf]  
A025764 26.7690 [  $x^6+x+1$  ogf\_with\_Euler\_transform]  
A025764 7.81110 [  $-(1+4*x+4*x^3+4*x^4+4*x^5+11*x^6+10*x^7+4*x^2)/(x-1)/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf]  
A025764 9.60333 [  $-1/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025765 27.1693 [  $x^8+x+1$  ogf\_with\_Euler\_transform]  
A025765 7.23818 [  $-(1+4*x+4*x^3+4*x^4+4*x^5+4*x^6+4*x^7+13*x^8+12*x^9+4*x^2)/(x-1)/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf]

$(x-1)/(x+1)/(x^2+x+1)/(x^6+x^3+1)$  lgdogf  
A025765 8.97571 [  $-1/(x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3$  ogf]  
A025766 25.9243 [  $x^{10}+x+1$  ogf\_with\_Euler\_transform]  
A025766 5.20127  $-(1+4*x$   
 $+4*x^3+4*x^4+4*x^5+4*x^6+4*x^7+4*x^8+4*x^9+15*x^{10}+14*x^{11}+4*x^2)/(x-1)/(x+1)/$   
 $(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A025766 9.27222 [  $-1/(x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$   
ogf]  
A025767 13.6995  $-(1+2*x+10*x^3+9*x^4+8*x^5+6*x^2)/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)$   
lgdogf  
A025767 15.4355 [  $-1/(x^2+x+1)/(x^2+1)/(x+1)/(x-1)^3$  ogf]  
A025767 26.5643 [  $[x^3+x^2+1]$  ogf\_with\_Euler\_transform]  
A025768 20.3022 [  $[x^6+x^2+1]$  ogf\_with\_Euler\_transform]  
A025768 6.91036  $-(1+2*x+6*x^3+6*x^4+6*x^5+13*x^6+12*x^7+11*x^8+6*x^2)/(x-1)/$   
 $(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A025768 8.97059 [  $-1/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025769 23.4810 [  $x^7+x^2+1$  ogf\_with\_Euler\_transform]  
A025769 6.88018  $-(1+2*x+6*x^3+6*x^4+6*x^5+6*x^6+14*x^7+13*x^8+12*x^9+6*x^2)/$   
 $(x-1)/(x+1)/(1+x^2)/(x^2+x+1)/(1+x^4)$  lgdogf  
A025769 9.63035 [  $-1/(x+1)/(x^2+1)/(x^2+x+1)/(x^4+1)/(x-1)^3$  ogf]  
A025770 14.6086 [  $-1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^3$   
ogf]  
A025770 36.6710 [  $x^9+x^2+1$  ogf\_with\_Euler\_transform]  
A025770 8.00610  $-(1+2*x$   
 $+6*x^3+6*x^4+6*x^5+6*x^6+6*x^7+6*x^8+16*x^9+15*x^{10}+14*x^{11}+6*x^2)/(x-1)/(x+1)/$   
 $(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
A025771 22.4265 [  $x^{10}+x^2+1$  ogf\_with\_Euler\_transform]  
A025771 9.25433 [  $-1/(x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/$   
 $(x-1)^3$  ogf]  
A025772 11.5999 [  $-1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025772 20.3022 [  $[x^4+x^3+1]$  ogf\_with\_Euler\_transform]  
A025772 7.63353  $-(1+2*x+8*x^3+13*x^4+12*x^5+11*x^6+10*x^7+3*x^2)/(x-1)/(x+1)/$   
 $(1+x^2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A025773 23.1998 [  $x^6+x^3+1$  ogf\_with\_Euler\_transform]  
A025773 6.21876  $-(1+2*x+8*x^3+8*x^4+8*x^5+15*x^6+14*x^7+13*x^8+12*x^9+3*x^2)/$   
 $(x-1)/(x+1)/(1+x^2)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A025773 9.00755 [  $-1/(x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025774 23.4366 [  $x^8+x^3+1$  ogf\_with\_Euler\_transform]  
A025774 5.74104  $-(1+2*x$   
 $+8*x^3+8*x^4+8*x^5+8*x^6+8*x^7+17*x^8+16*x^9+15*x^{10}+14*x^{11}+3*x^2)/(x-1)/(x+1)/$   
 $(1+x^2)/(x^2+x+1)/(x^6+x^3+1)$  lgdogf  
A025774 9.47783 [  $-1/(x+1)/(x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3$  ogf]  
A025775 14.0938 [  $-1/(x+1)/(x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/$   
 $(x-1)^3$  ogf]  
A025775 36.0803 [  $x^{10}+x^3+1$  ogf\_with\_Euler\_transform]  
A025776 12.2830 [  $-1/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025776 20.3877 [  $[x^5+x^4+1]$  ogf\_with\_Euler\_transform]  
A025776 5.88561  $-(1+2*x+4*x^3+10*x^4+16*x^5+15*x^6+14*x^7+13*x^8+12*x^9+3*x^2)/$   
 $(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A025777 23.4366 [  $x^6+x^4+1$  ogf\_with\_Euler\_transform]  
A025777 5.54967  $-(1+2*x$   
 $+4*x^3+10*x^4+10*x^5+17*x^6+16*x^7+15*x^8+14*x^9+13*x^{10}+3*x^2)/(x-1)/$   
 $(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A025777 9.61132 [  $-1/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025778 23.2954 [  $x^7+x^4+1$  ogf\_with\_Euler\_transform]  
A025778 5.33750  $-(1+2*x$   
 $+4*x^3+10*x^4+10*x^5+10*x^6+18*x^7+17*x^8+16*x^9+15*x^{10}+14*x^{11}+3*x^2)/(x-1)/(x$   
 $+1)/(1+x^2)/(x^4+x^3+x^2+x+1)/(1+x^4)$  lgdogf  
A025778 9.04392 [  $-1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4+1)/(x-1)^3$  ogf]  
A025779 11.4263 [  $-1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x-1)^3$  ogf]  
A025779 28.2745 [  $x^8+x^4+1$  ogf\_with\_Euler\_transform]

A025779 6.10338  $-(1+2*x$   
 $+4*x^3+10*x^4+10*x^5+10*x^6+10*x^7+19*x^8+18*x^9+17*x^{10}+16*x^{11}+15*x^{12}+3*x^2)/$   
 $(x-1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)$  lgdogf  
A025780 22.9744  $[x^{10}+x^4+1$  ogf\_with\_Euler\_transform]  
A025780 9.47812  $[-1/(x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x$   
 $+1)/(x-1)^3$  ogf]  
A025781 22.9744  $[x^{11}+x^4+1$  ogf\_with\_Euler\_transform]  
A025781 9.47812  $[-1/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-$   
 $x^2+1)/(x-1)^3$  ogf]  
A025782 12.3326  $[-1/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$   
ogf]  
A025782 23.2954  $[x^6+x^5+1$  ogf\_with\_Euler\_transform]  
A025783 23.0634  $[x^{10}+x^5+1$  ogf\_with\_Euler\_transform]  
A025783 9.51415  $[-1/(x+1)/(x^2+x+1)/(x^2-x+1)/$   
 $(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025784 12.3814  $[-1/(x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x-1)^3$   
ogf]  
A025784 23.3894  $[x^7+x^6+1$  ogf\_with\_Euler\_transform]  
A025785 23.4819  $[x^8+x^6+1$  ogf\_with\_Euler\_transform]  
A025785 9.49467  $[-1/(x^2+x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$   
ogf]  
A025786 23.8587  $[x^9+x^6+1$  ogf\_with\_Euler\_transform]  
A025786 9.01991  $[-1/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025787 22.9253  $[x^{10}+x^6+1$  ogf\_with\_Euler\_transform]  
A025787 9.45718  $[-1/(x^6+x^5+x^4+x^3+x^2+x+1)/$   
 $(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025788 23.1511  $[x^{11}+x^6+1$  ogf\_with\_Euler\_transform]  
A025788 9.54963  $[-1/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/$   
 $(x^2+1)/(x^4-x^2+1)/(x-1)^3$  ogf]  
A025789 12.2074  $[-1/(x+1)/(x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x^4+1)/(x-1)^3$  ogf]  
A025789 23.4819  $[x^8+x^7+1$  ogf\_with\_Euler\_transform]  
A025790 23.0125  $[x^{10}+x^7+1$  ogf\_with\_Euler\_transform]  
A025790 8.99934  $[-1/(x+1)/(x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/$   
 $(x^4+1)/(x-1)^3$  ogf]  
A025791 12.2538  $[-1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/$   
 $(x^6+x^3+1)/(x-1)^3$  ogf]  
A025791 23.5730  $[x^9+x^8+1$  ogf\_with\_Euler\_transform]  
A025792 22.8738  $[x^{10}+x^8+1$  ogf\_with\_Euler\_transform]  
A025792 9.30776  $[-1/(x^2+x+1)/(x^6+x^3+1)/$   
 $(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025793 12.0838  $[-1/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/$   
 $(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025793 22.8738  $[x^{10}+x^9+1$  ogf\_with\_Euler\_transform]  
A025794 12.1279  $[-1/(x+1)/(x^2+x+1)/(x^2-x+1)/$   
 $(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/(x-1)^3$  ogf]  
A025794 22.2185  $[x^{11}+x^{10}+1$  ogf\_with\_Euler\_transform]  
A025795 10.4636  $-x*(2+12*x^2+17*x^3+22*x^4+20*x^5+10*x^6+7*x)/(x-1)/(x+1)/(x^2+x$   
 $+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A025795 14.5541  $[-1/(x+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A025795 27.2591  $[[x^4+x^2+x]$  ogf\_with\_Euler\_transform]  
A025796 12.1831  $-x*(2+3*x+2*x^2+11*x^4)/(x^2-x+1)/(x^2+x+1)/(x-1)/(x+1)$  lgdogf  
A025796 23.4366  $[x^5+x^2+x$  ogf\_with\_Euler\_transform]  
A025796 8.74877  $[-1/(x^2-x+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^3$  ogf]  
A025797 20.7607  $[x*(x^6+x+1)$  ogf\_with\_Euler\_transform]  
A025797 7.26161  $-x*(2+7*x^2+5*x^3+7*x^4+5*x^5+15*x^6+13*x^7+13*x^8+5*x)/(x-1)/(x$   
 $+1)/(x^2+1)/(x^2+x+1)/(x^4+1)$  lgdogf  
A025797 9.04947  $[-1/(x^2+1)/(x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^3$  ogf]  
A025798 23.6243  $[x^8+x^2+x$  ogf\_with\_Euler\_transform]  
A025798 7.67421  $-x*(2+5*x^2+2*x^3+5*x^4+5*x^5+2*x^6+14*x^7+14*x^8+5*x)/(x-1)/(x$   
 $+1)/(x^2+x+1)/(x^6+x^3+1)$  lgdogf

A025798 9.04947 [  $-1/(x+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A025799 11.8254 [  $-1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x+1)^2/(x-1)^3$  ogf]  
A025799 31.3054 [  $x^9+x^2+x$  ogf\_with\_Euler\_transform]  
A025799 7.12288 -  
 $x*(2+7*x^2+5*x^3+7*x^4+5*x^5+7*x^6+5*x^7+17*x^8+15*x^9+15*x^{10}+5*x)/(x-1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
A025800 22.9253 [  $x^{10}+x^2+x$  ogf\_with\_Euler\_transform]  
A025800 8.96590 [  $-1/(x+1)/(x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025801 23.0125 [  $x^{11}+x^2+x$  ogf\_with\_Euler\_transform]  
A025801 6.80426  $-x*(2+3*x+2*x^2+5*x^4+2*x^6+3*x^7+2*x^8+17*x^{10})/(x^2-x+1)/(x^2+x+1)/(x-1)/(x+1)/(x^2+1)/(x^4-x^2+1)$  lgdogf  
A025801 8.99934 [  $-1/(x^2+1)/(x^2-x+1)/(x^4-x^2+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^3$  ogf]  
A025802 23.3894 [  $x^4+x^3+x$  ogf\_with\_Euler\_transform]  
A025802 8.20393  $-x*(2+8*x^2+13*x^3+13*x^4+11*x^5+11*x^6+2*x)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A025802 9.20238 [  $-1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A025803 18.4761 [  $x*(x^5+x^2+1)$  ogf\_with\_Euler\_transform]  
A025803 6.68683  $-x*(2+8*x^2+8*x^3+8*x^4+15*x^5+15*x^6+13*x^7+13*x^8+2*x)/(x-1)/(x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A025803 8.68627 [  $-1/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A025804 23.5192 [  $x^8+x^3+x$  ogf\_with\_Euler\_transform]  
A025804 6.16757 -  
 $x*(2+8*x^2+8*x^3+8*x^4+8*x^5+8*x^6+17*x^7+17*x^8+15*x^9+15*x^{10}+2*x)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^6+x^3+1)$  lgdogf  
A025804 8.55750 [  $-1/(x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x+1)^2/(x-1)^3$  ogf]  
A025805 22.1807 [  $x^{10}+x^3+x$  ogf\_with\_Euler\_transform]  
A025805 8.24570 [  $-1/(x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A025806 20.7156 [  $[x^5+x^4+x]$  ogf\_with\_Euler\_transform]  
A025806 6.33549  $-x*(2+4*x^2+9*x^3+17*x^4+15*x^5+15*x^6+13*x^7+13*x^8+2*x)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A025806 9.14953 [  $-1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A025807 11.4898 [  $-1/(x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025807 18.2522 [  $x*(x^5+x^3+1)$  ogf\_with\_Euler\_transform]  
A025807 5.19054 -  
 $x*(2+6*x^2+13*x^3+20*x^4+27*x^5+34*x^6+32*x^7+30*x^8+28*x^9+14*x^{10}+4*x)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A025808 18.4339 [  $x*(x^6+x^3+1)$  ogf\_with\_Euler\_transform]  
A025808 5.77992 -  
 $x*(2+4*x^2+9*x^3+11*x^4+9*x^5+19*x^6+17*x^7+17*x^8+15*x^9+15*x^{10}+2*x)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4+1)$  lgdogf  
A025808 9.00789 [  $-1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^3$  ogf]  
A025809 23.7508 [  $x^8+x^4+x$  ogf\_with\_Euler\_transform]  
A025809 9.09595 [  $-1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x-1)^3$  ogf]  
A025810 10.6715  $-x*(2+2*x^2+5*x^3+2*x^4+2*x^6+17*x^8)/(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)/(x+1)$  lgdogf  
A025810 11.8941 [  $-1/(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)^2/(x+1)^2/(x-1)^3$  ogf]  
A025810 31.4902 [  $x^9+x^4+x$  ogf\_with\_Euler\_transform]  
A025811 23.0431 [  $x^{10}+x^4+x$  ogf\_with\_Euler\_transform]  
A025811 9.01005 [  $-1/(x+1)/(x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025812 22.9034 [  $x^{11}+x^4+x$  ogf\_with\_Euler\_transform]  
A025812 8.95544 [  $-1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A025813 18.2092 [  $x*(x^5+x^4+1)$  ogf\_with\_Euler\_transform]  
A025813 5.16982 -  
 $x*(2+4*x^2+4*x^3+12*x^4+19*x^5+19*x^6+17*x^7+17*x^8+15*x^9+15*x^{10}+2*x)/(x-1)/(x$



+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1) lgdogf  
A025813 8.56014 [ -1/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/  
(x-1)^3 ogf]  
A025814 23.6332 [x^8+x^5+x ogf\_with\_Euler\_transform]  
A025814 6.80970 -x\*(2+2\*x^2+2\*x^3+8\*x^4+2\*x^5+2\*x^6+17\*x^7+2\*x^8+17\*x^10)/(x-1)/  
(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^3+1) lgdogf  
A025814 9.04974 [ -1/(x^2-x+1)/(x^6+x^3+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^3 ogf]  
A025815 22.5652 [x^10+x^5+x ogf\_with\_Euler\_transform]  
A025815 8.82261 [ -1/(x^2+x+1)/(x^2-x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x  
+1)/(x+1)^2/(x-1)^3 ogf]  
A025816 18.3439 [x\*(x^6+x^5+1) ogf\_with\_Euler\_transform]  
A025816 8.96263 [ -1/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^3  
ogf]  
A025817 10.7466 [ -1/(x+1)/(x^2+x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/  
(x-1)^3 ogf]  
A025817 23.6332 [x^8+x^6+x ogf\_with\_Euler\_transform]  
A025818 23.8621 [x^9+x^6+x ogf\_with\_Euler\_transform]  
A025818 9.01810 [ -1/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x  
+1)/(x+1)^2/(x-1)^3 ogf]  
A025819 22.7854 [x^10+x^6+x ogf\_with\_Euler\_transform]  
A025819 8.90813 [ -1/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/  
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3 ogf]  
A025820 8.46822 [ -1/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-  
x^2+1)/(x+1)^2/(x-1)^3 ogf]  
A025821 23.5711 [x^8+x^7+x ogf\_with\_Euler\_transform]  
A025821 8.90813 [ -1/(x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x^4+1)/(x+1)^2/(x-1)^3 ogf]  
A025822 22.9419 [x^10+x^7+x ogf\_with\_Euler\_transform]  
A025822 8.85326 [ -1/(x^2+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/  
(x+1)^2/(x-1)^3 ogf]  
A025823 24.2532 [x^9+x^8+x ogf\_with\_Euler\_transform]  
A025823 9.04681 [ -1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^3+1)/  
(x+1)^2/(x-1)^3 ogf]  
A025824 11.6183 [ -1/(x+1)/(x^2+x+1)/(x^6+x^3+1)/  
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3 ogf]  
A025824 23.1606 [x^10+x^8+x ogf\_with\_Euler\_transform]  
A025825 23.1606 [x^11+x^8+x ogf\_with\_Euler\_transform]  
A025825 8.50118 [ -1/(x^2+1)/(x^2-x+1)/(x^6+x^3+1)/(x^4-x^2+1)/(x+1)^2/(x^2+x  
+1)^2/(x-1)^3 ogf]  
A025826 23.0940 [x^10+x^9+x ogf\_with\_Euler\_transform]  
A025826 8.79816 [ -1/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/  
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^3 ogf]  
A025827 22.4922 [x^11+x^10+x ogf\_with\_Euler\_transform]  
A025827 8.85358 [ -1/(x^2+x+1)/(x^2-x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x  
+1)/(x^2+1)/(x^4-x^2+1)/(x+1)^2/(x-1)^3 ogf]  
A025828 23.1736 [x^5+x^3+x^2 ogf\_with\_Euler\_transform]  
A025828 9.33440 -x^2\*(4\*x+3\*x^2+13\*x^3+13\*x^5+3)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/  
(x^2-x+1) lgdogf  
A025828 9.71243 [ -1/(x^2+1)/(x^2-x+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^3 ogf]  
A025829 10.7360 [ -1/(x+1)/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x-1)^3  
ogf]  
A025829 20.7455 [x^6+x^3+x^2 ogf\_with\_Euler\_transform]  
A025829 5.46330 -x^2\*(10\*x  
+17\*x^2+24\*x^3+31\*x^4+38\*x^5+45\*x^6+42\*x^7+28\*x^8+14\*x^9+3)/(x-1)/(x+1)/(x^2+x  
+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1) lgdogf  
A025830 20.6190 [x^7+x^3+x^2 ogf\_with\_Euler\_transform]  
A025830 7.62610 -x^2\*(7\*x+7\*x^2+7\*x^3+3\*x^4+15\*x^5+15\*x^6+15\*x^7+3)/(x-1)/(x+1)/  
(x^2+1)/(x^2+x+1)/(x^4+1) lgdogf  
A025830 8.98570 [ -1/(x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^3 ogf]  
A025831 20.5674 [x^8+x^3+x^2 ogf\_with\_Euler\_transform]  
A025831 6.32668 -x^2\*(7\*x  
+7\*x^2+10\*x^3+7\*x^4+7\*x^5+19\*x^6+16\*x^7+16\*x^8+16\*x^9+3)/(x-1)/(x+1)/(x^2+1)/

$(x^2+x+1)/(x^6+x^3+1)$  lgdogf  
A025831 8.96263 [  $-1/(x+1)/(x^2+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A025832 18.5234 [  $(1/x^7+1/x^6+1)*x^9$  ogf\_with\_Euler\_transform]  
A025832 8.93221 [  $-1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A025833 17.9253 [  $(1/x^8+1/x^7+1)*x^{10}$  ogf\_with\_Euler\_transform]  
A025833 8.43902 [  $-1/(x+1)/(x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x-1)^3$  ogf]  
A025834 17.8611 [  $(1/x^8+1/x^9+1)*x^{11}$  ogf\_with\_Euler\_transform]  
A025834 7.60624  $-x^2*(3+4*x+3*x^3+4*x^5+3*x^6+19*x^9)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)$  lgdogf  
A025834 8.40938 [  $-1/(x^2-x+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x^2+1)^2/(x+1)^2/(x-1)^3$  ogf]  
A025835 20.6190 [  $x^5+x^4+x^2$  ogf\_with\_Euler\_transform]  
A025835 6.63022  $-x^2*(3*x+8*x^2+17*x^3+17*x^4+14*x^5+14*x^6+14*x^7+3)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A025835 8.64447 [  $-1/(x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A025836 10.7466 [  $-1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^4+1)/(x-1)^3$  ogf]  
A025836 20.7686 [  $x^7+x^4+x^2$  ogf\_with\_Euler\_transform]  
A025837 24.0733 [  $x^8+x^4+x^2$  ogf\_with\_Euler\_transform]  
A025837 6.64045  $-x^2*(3*x+8*x^2+11*x^3+11*x^4+8*x^5+20*x^6+20*x^7+17*x^8+17*x^9+17*x^{10}+3)/(x-1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)$  lgdogf  
A025837 9.96068 [  $-1/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A025838 18.4746 [  $(1/x^7+1/x^5+1)*x^9$  ogf\_with\_Euler\_transform]  
A025838 5.66881  $-x^2*(3*x+8*x^2+8*x^3+8*x^4+3*x^5+3*x^6+18*x^7+18*x^8+18*x^9+3)/(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x-1)/(x+1)$  lgdogf  
A025838 8.90813 [  $-1/(x+1)/(x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]  
A025839 18.0507 [  $(1/x^6+1/x^8+1)*x^{10}$  ogf\_with\_Euler\_transform]  
A025839 8.93840 [  $-1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025840 18.2238 [  $(1/x^7+1/x^9+1)*x^{11}$  ogf\_with\_Euler\_transform]  
A025840 8.57799 [  $-1/(x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A025841 20.2590 [  $x^6+x^5+x^2$  ogf\_with\_Euler\_transform]  
A025841 5.43473  $-x^2*(3*x+3*x^2+12*x^3+19*x^4+19*x^5+19*x^6+16*x^7+16*x^8+16*x^9+3)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A025841 8.38628 [  $-1/(x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A025842 20.4582 [  $x^7+x^5+x^2$  ogf\_with\_Euler\_transform]  
A025842 6.83327  $-x^2*(3*x^2+9*x^3+3*x^4+17*x^5+3*x^6+17*x^7+17*x^9+3)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A025842 8.91392 [  $-1/(x^2+1)/(x^2-x+1)/(x^4+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^3$  ogf]  
A025843 17.9126 [  $(1/x^4+1/x^7+1)*x^9$  ogf\_with\_Euler\_transform]  
A025843 5.12158  $-x^2*(3*x^2+9*x^3+3*x^4+9*x^5+3*x^6+19*x^7+3*x^8+19*x^9+19*x^{11}+3)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
A025843 8.20960 [  $-1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^3$  ogf]  
A025844 17.6116 [  $(1/x^5+1/x^8+1)*x^{10}$  ogf\_with\_Euler\_transform]  
A025844 8.28935 [  $-1/(x+1)/(x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A025845 20.6573 [  $x^7+x^6+x^2$  ogf\_with\_Euler\_transform]  
A025845 8.88322 [  $-1/(x+1)/(x^2+1)/(x^2+x+1)/(x^4+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025846 20.9259 [  $x^8+x^6+x^2$  ogf\_with\_Euler\_transform]  
A025846 8.55335 [  $-1/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]

A025847 10.6249 [  $-1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025847 20.5384 [x^9+x^6+x^2 ogf\_with\_Euler\_transform]  
A025848 8.42395 [  $-1/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025848 9.69780 [  $(-1/x^{12}+1)/(x-1)*x^{14}/(x^2+1)/(x+1)$  ogf\_with\_Euler\_transform]  
A025849 16.2425 [x^{11}+x^2\*(x^4+1) ogf\_with\_Euler\_transform]  
A025849 8.34570 [  $-1/(x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A025850 20.7354 [x^8+x^7+x^2 ogf\_with\_Euler\_transform]  
A025850 8.91525 [  $-1/(x+1)/(x^2+1)/(x^6+x^3+1)/(x^4+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A025851 20.7354 [x^9+x^7+x^2 ogf\_with\_Euler\_transform]  
A025851 8.37163 [  $-1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^3$  ogf]  
A025852 10.7937 [  $-1/(x+1)/(x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^4+1)/(x-1)^3$  ogf]  
A025852 20.2544 [x^{10}+x^7+x^2 ogf\_with\_Euler\_transform]  
A025853 16.9004 [x^2+x^7\*(x^4+1) ogf\_with\_Euler\_transform]  
A025853 5.90034  $-x^2*(3*x^3+3*x^4+8*x^5+3*x^6+3*x^7+23*x^9+3*x^{10}+3+23*x^{13})/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)$  lgdogf  
A025853 8.47573 [  $-1/(x^2-x+1)/(x^4-x^2+1)/(x^4+1)/(x^2+x+1)^2/(x^2+1)^2/(x+1)^2/(x-1)^3$  ogf]  
A025854 20.3465 [x^9+x^8+x^2 ogf\_with\_Euler\_transform]  
A025854 8.63497 [  $-1/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A025855 19.9366 [x^{10}+x^8+x^2 ogf\_with\_Euler\_transform]  
A025855 8.71699 [  $-1/(x^6+x^3+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A025856 20.3799 [x^{10}+x^9+x^2 ogf\_with\_Euler\_transform]  
A025856 8.79759 [  $-1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025857 19.9978 [x^{11}+x^9+x^2 ogf\_with\_Euler\_transform]  
A025857 8.63263 [  $-1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+1)/(x^4-x^2+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^3$  ogf]  
A025858 19.5429 [x^{11}+x^{10}+x^2 ogf\_with\_Euler\_transform]  
A025858 8.26511 [  $-1/(x+1)/(x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A025859 20.7140 [x^6+x^4+x^3 ogf\_with\_Euler\_transform]  
A025859 8.57408 [  $-1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025860 20.6573 [x^7+x^4+x^3 ogf\_with\_Euler\_transform]  
A025860 6.59529  $-x^3*(4+9*x+9*x^2+9*x^3+21*x^4+17*x^5+17*x^6+17*x^7+17*x^8)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4+1)$  lgdogf  
A025860 8.55010 [  $-1/(x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^3$  ogf]  
A025861 11.3672 [  $-1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3$  ogf]  
A025861 20.5988 [x^8+x^4+x^3 ogf\_with\_Euler\_transform]  
A025862 18.4937 [(1/x^5+1/x^6+1)\*x^9 ogf\_with\_Euler\_transform]  
A025862 6.95055  $-x^3*(4+5*x+4*x^2+5*x^3+4*x^4+19*x^6+19*x^8)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
A025862 8.47499 [  $-1/(x^2+1)/(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)^2/(x+1)^2/(x-1)^3$  ogf]  
A025863 18.2321 [(1/x^6+1/x^7+1)\*x^{10} ogf\_with\_Euler\_transform]  
A025863 9.02669 [  $-1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A025864 18.1780 [(1/x^8+1/x^7+1)\*x^{11} ogf\_with\_Euler\_transform]  
A025864 8.99942 [  $-1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^2+1)^2/(x+1)^2/(x-1)^3$  ogf]  
A025865 20.5384 [x^8+x^5+x^3 ogf\_with\_Euler\_transform]  
A025865 5.98734  $-x^3*(4+10*x^2+4*x^3+10*x^4+19*x^5+4*x^6+19*x^7+19*x^8+19*x^{10})/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^3+1)$  lgdogf

A025865 8.39495 [  $-1/(x^2+1)/(x^2-x+1)/(x^6+x^3+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^3$  ogf ]  
A025866 18.1224 [  $(1/x^7+1/x^5+1)*x^{10}$  ogf\_with\_Euler\_transform ]  
A025866 8.42437 [  $-1/(x^2+x+1)/(x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf ]  
A025867 20.2170 [  $x^7+x^6+x^3$  ogf\_with\_Euler\_transform ]  
A025867 5.35476  $-x^3*(4+4*x+4*x^2+11*x^3+23*x^5+23*x^6+19*x^7+19*x^8+19*x^9+19*x^{10}+23*x^4)/(x-1)/(x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)$  lgdogf  
A025867 8.69236 [  $-1/(x^4+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)^2/(x+1)^2/(x-1)^3$  ogf ]  
A025868 20.6722 [  $x^8+x^6+x^3$  ogf\_with\_Euler\_transform ]  
A025868 8.88762 [  $-1/(x+1)/(x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf ]  
A025869 10.9684 [  $(-1/x^9+1)/(x-1)*x^{12}/(x^2+x+1)$  ogf\_with\_Euler\_transform ]  
A025869 8.31906 [  $-1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^3$  ogf ]  
A025870 11.2599 [  $-1/(x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf ]  
A025870 17.7244 [  $(1/x^7+1/x^4+1)*x^{10}$  ogf\_with\_Euler\_transform ]  
A025871 17.8928 [  $(1/x^5+1/x^8+1)*x^{11}$  ogf\_with\_Euler\_transform ]  
A025871 8.31680 [  $-1/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^2+1)^2/(x+1)^2/(x-1)^3$  ogf ]  
A025872 20.2791 [  $x^8+x^7+x^3$  ogf\_with\_Euler\_transform ]  
A025872 8.71770 [  $-1/(x^2+x+1)/(x^6+x^3+1)/(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^3$  ogf ]  
A025873 19.2335 [  $x^{10}+x^7+x^3$  ogf\_with\_Euler\_transform ]  
A025873 7.99896 [  $-1/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^3$  ogf ]  
A025874 19.6625 [  $x^{11}+x^8+x^3$  ogf\_with\_Euler\_transform ]  
A025874 5.34475  $-x^3*(4+4*x^3+4*x^4+9*x^5+4*x^6+4*x^7+25*x^8+4*x^{10}+25*x^{11}+25*x^{14})/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^3+1)/(x^4-x^2+1)$  lgdogf  
A025874 8.59553 [  $-1/(x^2-x+1)/(x^6+x^3+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x^2+1)^2/(x+1)^2/(x-1)^3$  ogf ]  
A025875 18.7262 [  $x^{11}+x^{10}+x^3$  ogf\_with\_Euler\_transform ]  
A025875 8.32030 [  $-1/(x^2+x+1)/(x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^2+1)^2/(x+1)^2/(x-1)^3$  ogf ]  
A025876 15.4038 [  $1/720*x^4*(x^2+6*x+30)$  egf\_with\_Euler\_transform ]  
A025876 8.83105 [  $-1/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf ]  
A025877 20.9322 [  $x^7+x^5+x^4$  ogf\_with\_Euler\_transform ]  
A025877 8.99942 [  $-1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+1)/(x+1)^2/(x-1)^3$  ogf ]  
A025878 20.9333 [  $x^8+x^5+x^4$  ogf\_with\_Euler\_transform ]  
A025878 8.55453 [  $-1/(x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x-1)^3$  ogf ]  
A025879 20.3413 [  $x^9+x^5+x^4$  ogf\_with\_Euler\_transform ]  
A025879 5.87692  $-x^4*(5+6*x+5*x^2+6*x^3+5*x^4+21*x^5+21*x^7+21*x^9)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
A025879 8.21087 [  $-1/(x^2+x+1)/(x^2-x+1)/(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)^2/(x+1)^2/(x-1)^3$  ogf ]  
A025880 11.2215 [  $-1/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf ]  
A025880 17.6648 [  $(1/x^6+1/x^5+1)*x^{10}$  ogf\_with\_Euler\_transform ]  
A025881 17.6648 [  $x^{11}+x^4*(x+1)$  ogf\_with\_Euler\_transform ]  
A025881 8.21087 [  $-1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2/(x-1)^3$  ogf ]  
A025882 20.6074 [  $x^7+x^6+x^4$  ogf\_with\_Euler\_transform ]  
A025882 8.42177 [  $-1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x-1)^3$  ogf ]

A025883 20.7350 [x^8+x^6+x^4 ogf\_with\_Euler\_transform]  
A025883 8.91327 [ -1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/  
(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3 ogf]  
A025884 20.4028 [x^9+x^6+x^4 ogf\_with\_Euler\_transform]  
A025884 8.23524 [ -1/(x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/  
(x^4+x^3+x^2+x+1)^2/(x-1)^3 ogf]  
A025885 8.79492 [ -1/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/  
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3 ogf]  
A025886 10.4758 [ -1/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-  
x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3 ogf]  
A025886 15.9173 [x^11+x^4\*(x^2+1) ogf\_with\_Euler\_transform]  
A025887 20.6660 [x^8+x^7+x^4 ogf\_with\_Euler\_transform]  
A025887 8.44448 [ -1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/  
(x^4+1)/(x-1)^3 ogf]  
A025888 20.0078 [x^9+x^7+x^4 ogf\_with\_Euler\_transform]  
A025888 5.64630 -x^4\*(5+5\*x^2+8\*x^3+5\*x^4+23\*x^5+5\*x^6+23\*x^7+23\*x^9+23\*x^11)/  
(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) lgdogf  
A025888 8.07585 [ -1/(x^2+1)/(x^4-x^3+x^2-x+1)/(x^4+1)/(x^4+x^3+x^2+x+1)^2/(x  
+1)^2/(x-1)^3 ogf]  
A025889 10.7827 [(-1/x^9+1)/(x^2+x+1)/(x-1)\*x^13 ogf\_with\_Euler\_transform]  
A025889 8.17623 [ -1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/  
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x-1)^3 ogf]  
A025890 19.6625 [x^11+x^7+x^4 ogf\_with\_Euler\_transform]  
A025890 8.59553 [ -1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^4+1)/  
(x^2+1)^2/(x+1)^2/(x-1)^3 ogf]  
A025891 19.6712 [x^9+x^8+x^4 ogf\_with\_Euler\_transform]  
A025891 8.34677 [ -1/(x+1)/(x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^3+1)/  
(x^4+x^3+x^2+x+1)^2/(x-1)^3 ogf]  
A025892 19.6625 [x^10+x^8+x^4 ogf\_with\_Euler\_transform]  
A025892 8.17623 [ -1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/  
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3 ogf]  
A025893 19.6625 [x^11+x^8+x^4 ogf\_with\_Euler\_transform]  
A025893 8.17623 [ -1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^2-x+1)/(x^6+x^3+1)/(x^4-  
x^2+1)/(x^2+x+1)^2/(x-1)^3 ogf]  
A025894 18.6344 [x^10+x^9+x^4 ogf\_with\_Euler\_transform]  
A025894 8.04296 [ -1/(x+1)/(x^4-x^3+x^2-x+1)/  
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)^2/(x-1)^3 ogf]  
A025895 15.2398 [x^4+x^9\*(x^2+1) ogf\_with\_Euler\_transform]  
A025895 7.54976 [ -1/(x^2+x+1)/(x^2-x+1)/(x^4-x^3+x^2-x+1)/(x^2+1)/(x^4-x^2+1)/  
(x^4+x^3+x^2+x+1)^2/(x+1)^2/(x-1)^3 ogf]  
A025896 17.3628 [x^4+x^10\*(x+1) ogf\_with\_Euler\_transform]  
A025896 8.37578 [ -1/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/  
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/(x-1)^3 ogf]  
A025897 15.1551 [1/5040\*x^5\*(x^2+7\*x+42) egf\_with\_Euler\_transform]  
A025897 8.88316 [ -1/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4+1)/(x^6+x^5+x^4+x^3+x^2+x  
+1)/(x+1)^2/(x-1)^3 ogf]  
A025898 20.7274 [x^8+x^6+x^5 ogf\_with\_Euler\_transform]  
A025898 8.90914 [ -1/(x+1)/(x^2-x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/  
(x^2+x+1)^2/(x-1)^3 ogf]  
A025899 20.6556 [x^9+x^6+x^5 ogf\_with\_Euler\_transform]  
A025899 8.76406 [ -1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/  
(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^3 ogf]  
A025900 8.17623 [ -1/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/  
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3 ogf]  
A025901 17.3628 [x^11+x^5\*(1+x) ogf\_with\_Euler\_transform]  
A025901 8.48317 [ -1/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/(x+1)^2/  
(x^2+x+1)^2/(x^2-x+1)^2/(x-1)^3 ogf]  
A025902 20.5232 [x^8+x^7+x^5 ogf\_with\_Euler\_transform]  
A025902 8.38537 [ -1/(x^2+1)/(x^2-x+1)/(x^6+x^3+1)/(x^4+1)/(x+1)^2/(x^2+x+1)^2/  
(x-1)^3 ogf]  
A025903 19.5340 [x^10+x^7+x^5 ogf\_with\_Euler\_transform]

A025903 8.53935 [  $-1/(x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+1)/(x+1)^2/(x-1)^3$  ogf ]  
A025904 20.1259 [  $x^9+x^8+x^5$  ogf\_with\_Euler\_transform ]  
A025904 8.12279 [  $-1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^3+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^3$  ogf ]  
A025905 8.01590 [  $-1/(x+1)/(x^2-x+1)/(x^6+x^3+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^3$  ogf ]  
A025906 19.2770 [  $x^{10}+x^9+x^5$  ogf\_with\_Euler\_transform ]  
A025906 7.91933 [  $-1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^3$  ogf ]  
A025907 15.8680 [  $x^5+x^{10}*(x+1)$  ogf\_with\_Euler\_transform ]  
A025907 7.65468 [  $-1/(x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2/(x-1)^3$  ogf ]  
A025908 14.3432 [  $1/40320*x^6*(x^2+8*x+56)$  egf\_with\_Euler\_transform ]  
A025908 8.16898 [  $-1/(x+1)/(x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x^4+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf ]  
A025909 20.1259 [  $x^9+x^7+x^6$  ogf\_with\_Euler\_transform ]  
A025909 8.53935 [  $-1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^3$  ogf ]  
A025910 19.4055 [  $x^{10}+x^7+x^6$  ogf\_with\_Euler\_transform ]  
A025910 8.06935 [  $-1/(x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x-1)^3$  ogf ]  
A025911 17.2478 [  $x^{11}+x^6*(x+1)$  ogf\_with\_Euler\_transform ]  
A025911 8.42697 [  $-1/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^3$  ogf ]  
A025912 19.9935 [  $x^9+x^8+x^6$  ogf\_with\_Euler\_transform ]  
A025912 8.48317 [  $-1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf ]  
A025913 19.0200 [  $x^{10}+x^8+x^6$  ogf\_with\_Euler\_transform ]  
A025913 7.90902 [  $-1/(x^2+x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf ]  
A025914 15.3971 [  $x^{11}+x^6*(x^2+1)$  ogf\_with\_Euler\_transform ]  
A025914 8.31462 [  $-1/(x+1)/(x^2+1)/(x^2-x+1)/(x^6+x^3+1)/(x^4-x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^3$  ogf ]  
A025915 19.0200 [  $x^{10}+x^9+x^6$  ogf\_with\_Euler\_transform ]  
A025915 7.81373 [  $-1/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf ]  
A025916 15.7727 [  $x^6+x^9*(x^2+1)$  ogf\_with\_Euler\_transform ]  
A025916 7.81373 [  $-1/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^4-x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^3$  ogf ]  
A025917 17.0179 [  $x^6+x^{10}*(x+1)$  ogf\_with\_Euler\_transform ]  
A025917 7.81373 [  $-1/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/(x-1)^3$  ogf ]  
A025918 13.6661 [  $1/362880*x^7*(x^2+9*x+72)$  egf\_with\_Euler\_transform ]  
A025918 7.85559 [  $-1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^6+x^3+1)/(x^4+1)/(x+1)^2/(x-1)^3$  ogf ]  
A025919 19.1485 [  $x^{10}+x^8+x^7$  ogf\_with\_Euler\_transform ]  
A025919 7.96246 [  $-1/(x+1)/(x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x^4+1)/(x-1)^3$  ogf ]  
A025920 18.8914 [  $x^{11}+x^8+x^7$  ogf\_with\_Euler\_transform ]  
A025920 8.25844 [  $-1/(x^2-x+1)/(x^6+x^3+1)/(x^4-x^2+1)/(x^4+1)/(x^2+x+1)^2/(x^2+1)^2/(x+1)^2/(x-1)^3$  ogf ]  
A025921 19.0200 [  $x^{10}+x^9+x^7$  ogf\_with\_Euler\_transform ]  
A025921 7.81373 [  $-1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^3$  ogf ]  
A025922 17.9772 [  $x^{11}+x^{10}+x^7$  ogf\_with\_Euler\_transform ]  
A025922 7.98749 [  $-1/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x^4+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)^2/(x+1)^2/(x-1)^3$  ogf ]  
A025923 12.7517 [  $1/3628800*x^8*(x^2+10*x+90)$  egf\_with\_Euler\_transform ]  
A025923 7.54976 [  $-1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/$

$(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x-1)^3$  ogf]  
A025924 18.6344 [x<sup>11</sup>+x<sup>9</sup>+x<sup>8</sup> ogf\_with\_Euler\_transform]  
A025924 8.04296 [ -1/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x+1)<sup>2</sup>/(x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>3</sup> ogf]  
A025925 17.9772 [x<sup>11</sup>+x<sup>10</sup>+x<sup>8</sup> ogf\_with\_Euler\_transform]  
A025925 7.60255 [ -1/(x+1)/(x<sup>2</sup>+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>3</sup> ogf]  
A025926 11.8232 [1/39916800\*x<sup>9</sup>\*(x<sup>2</sup>+11\*x+110) egf\_with\_Euler\_transform]  
A025927 8.90803 -(-19+232\*x+960\*x<sup>3</sup>-852\*x<sup>2</sup>)/(4\*x-1)/(3\*x-1)/(2\*x-1)/(10\*x-1) lgdogf  
A025927 9.90984 [ 1/(4\*x-1)/(3\*x-1)/(2\*x-1)/(10\*x-1) ogf]  
A025928 7.73511 -2\*(-10+125\*x+528\*x<sup>3</sup>-465\*x<sup>2</sup>)/(11\*x-1)/(3\*x-1)/(2\*x-1)/(4\*x-1) lgdogf  
A025928 8.90438 [ 1/(11\*x-1)/(3\*x-1)/(2\*x-1)/(4\*x-1) ogf]  
A025929 8.69502 -(24\*x-7)\*(48\*x<sup>2</sup>-28\*x+3)/(12\*x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1) lgdogf  
A025929 9.20793 [ 1/(12\*x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1) ogf]  
A025930 8.88239 -2\*(-8+91\*x+360\*x<sup>3</sup>-324\*x<sup>2</sup>)/(6\*x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1) lgdogf  
A025930 9.90402 [ 1/(6\*x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
A025931 10.1478 [ 1/(3\*x-1)/(2\*x-1)/(7\*x-1)/(5\*x-1) ogf]  
A025931 9.27499 -(-17+202\*x+840\*x<sup>3</sup>-741\*x<sup>2</sup>)/(3\*x-1)/(2\*x-1)/(7\*x-1)/(5\*x-1) lgdogf  
A025932 10.5684 [ 1/(3\*x-1)/(2\*x-1)/(8\*x-1)/(5\*x-1) ogf]  
A025932 9.66758 -6\*(-3+37\*x+160\*x<sup>3</sup>-139\*x<sup>2</sup>)/(3\*x-1)/(2\*x-1)/(8\*x-1)/(5\*x-1) lgdogf  
A025933 11.9817 -(-19+242\*x+1080\*x<sup>3</sup>-927\*x<sup>2</sup>)/(3\*x-1)/(-1+9\*x)/(2\*x-1)/(5\*x-1) lgdogf  
A025933 13.4829 [ 1/(3\*x-1)/(9\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
A025934 8.62523 -2\*(-10+131\*x+600\*x<sup>3</sup>-510\*x<sup>2</sup>)/(3\*x-1)/(2\*x-1)/(5\*x-1)/(10\*x-1) lgdogf  
A025934 9.90984 [ 1/(3\*x-1)/(2\*x-1)/(5\*x-1)/(10\*x-1) ogf]  
A025935 8.03517 -3\*(-7+94\*x+440\*x<sup>3</sup>-371\*x<sup>2</sup>)/(3\*x-1)/(5\*x-1)/(2\*x-1)/(11\*x-1) lgdogf  
A025935 8.95496 [ 1/(3\*x-1)/(5\*x-1)/(2\*x-1)/(11\*x-1) ogf]  
A025936 8.00494 -2\*(-11+151\*x+720\*x<sup>3</sup>-603\*x<sup>2</sup>)/(12\*x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1) lgdogf  
A025936 9.20793 [ 1/(12\*x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
A025937 10.3055 [ 1/(6\*x-1)/(3\*x-1)/(2\*x-1)/(7\*x-1) ogf]  
A025937 9.26775 -2\*(-9+113\*x+504\*x<sup>3</sup>-432\*x<sup>2</sup>)/(6\*x-1)/(3\*x-1)/(2\*x-1)/(7\*x-1) lgdogf  
A025938 8.52896 -(-19+248\*x+1152\*x<sup>3</sup>-972\*x<sup>2</sup>)/(6\*x-1)/(3\*x-1)/(2\*x-1)/(8\*x-1) lgdogf  
A025938 9.49693 [ 1/(6\*x-1)/(3\*x-1)/(2\*x-1)/(8\*x-1) ogf]  
A025939 8.57935 -2\*(-10+135\*x+648\*x<sup>3</sup>-540\*x<sup>2</sup>)/(6\*x-1)/(3\*x-1)/(2\*x-1)/(-1+9\*x) lgdogf  
A025939 9.85823 [ 1/(6\*x-1)/(3\*x-1)/(2\*x-1)/(9\*x-1) ogf]  
A025940 8.62523 -(-21+292\*x+1440\*x<sup>3</sup>-1188\*x<sup>2</sup>)/(6\*x-1)/(3\*x-1)/(2\*x-1)/(10\*x-1) lgdogf  
A025940 9.90984 [ 1/(6\*x-1)/(3\*x-1)/(2\*x-1)/(10\*x-1) ogf]  
A025941 7.87003 -2\*(-11+157\*x+792\*x<sup>3</sup>-648\*x<sup>2</sup>)/(6\*x-1)/(3\*x-1)/(2\*x-1)/(11\*x-1) lgdogf  
A025941 9.05616 [ 1/(6\*x-1)/(3\*x-1)/(2\*x-1)/(11\*x-1) ogf]  
A025942 8.04991 -(-23+336\*x+1728\*x<sup>3</sup>-1404\*x<sup>2</sup>)/(12\*x-1)/(6\*x-1)/(3\*x-1)/(2\*x-1) lgdogf  
A025942 9.25852 [ 1/(12\*x-1)/(6\*x-1)/(3\*x-1)/(2\*x-1) ogf]  
A025943 8.48463 -2\*(-10+137\*x+672\*x<sup>3</sup>-555\*x<sup>2</sup>)/(3\*x-1)/(2\*x-1)/(8\*x-1)/(7\*x-1) lgdogf  
A025943 9.60016 [ 1/(3\*x-1)/(2\*x-1)/(8\*x-1)/(7\*x-1) ogf]  
A025944 8.62523 -(-21+298\*x+1512\*x<sup>3</sup>-1233\*x<sup>2</sup>)/(3\*x-1)/(-1+9\*x)/(2\*x-1)/(7\*x-1) lgdogf

A025944 9.90984 [ 1/(3\*x-1)/(9\*x-1)/(2\*x-1)/(7\*x-1) ogf]  
A025945 8.76435 -2\*(4\*x-1)\*(210\*x^2-117\*x+11)/(3\*x-1)/(2\*x-1)/(7\*x-1)/(10\*x-1)  
lgdogf  
A025945 9.90984 [ 1/(3\*x-1)/(2\*x-1)/(7\*x-1)/(10\*x-1) ogf]  
A025946 7.95997 -(-23+346\*x+1848\*x^3-1479\*x^2)/(7\*x-1)/(3\*x-1)/(2\*x-1)/(11\*x-1)  
lgdogf  
A025946 9.15734 [ 1/(7\*x-1)/(3\*x-1)/(2\*x-1)/(11\*x-1) ogf]  
A025947 7.96840 -2\*(-12+185\*x+1008\*x^3-801\*x^2)/(12\*x-1)/(3\*x-1)/(2\*x-1)/(7\*x-1)  
lgdogf  
A025947 9.30912 [ 1/(12\*x-1)/(3\*x-1)/(2\*x-1)/(7\*x-1) ogf]  
A025948 8.62523 -2\*(-11+163\*x+864\*x^3-693\*x^2)/(3\*x-1)/(-1+9\*x)/(2\*x-1)/(8\*x-1)  
lgdogf  
A025948 9.90984 [ 1/(3\*x-1)/(9\*x-1)/(2\*x-1)/(8\*x-1) ogf]  
A025949 8.62523 -(-23+352\*x+1920\*x^3-1524\*x^2)/(3\*x-1)/(2\*x-1)/(8\*x-1)/(10\*x-1)  
lgdogf  
A025949 9.90984 [ 1/(3\*x-1)/(2\*x-1)/(8\*x-1)/(10\*x-1) ogf]  
A025950 8.31385 -6\*(-4+63\*x+352\*x^3-277\*x^2)/(3\*x-1)/(2\*x-1)/(11\*x-1)/(8\*x-1)  
lgdogf  
A025950 9.25852 [ 1/(3\*x-1)/(2\*x-1)/(11\*x-1)/(8\*x-1) ogf]  
A025951 8.13986 -(-25+404\*x+2304\*x^3-1800\*x^2)/(12\*x-1)/(3\*x-1)/(2\*x-1)/(8\*x-1)  
lgdogf  
A025951 9.35971 [ 1/(12\*x-1)/(3\*x-1)/(2\*x-1)/(8\*x-1) ogf]  
A025952 7.75864 -2\*(-12+191\*x+1080\*x^3-846\*x^2)/(3\*x-1)/(-1+9\*x)/(2\*x-1)/  
(10\*x-1) lgdogf  
A025952 9.20793 [ 1/(3\*x-1)/(9\*x-1)/(2\*x-1)/(10\*x-1) ogf]  
A025953 7.96840 -(-25+410\*x+2376\*x^3-1845\*x^2)/(11\*x-1)/(3\*x-1)/(2\*x-1)/(-1+9\*x)  
lgdogf  
A025953 9.30912 [ 1/(11\*x-1)/(3\*x-1)/(2\*x-1)/(9\*x-1) ogf]  
A025954 7.93299 -2\*(-13+219\*x+1296\*x^3-999\*x^2)/(12\*x-1)/(3\*x-1)/(-1+9\*x)/  
(2\*x-1) lgdogf  
A025954 9.41030 [ 1/(12\*x-1)/(3\*x-1)/(9\*x-1)/(2\*x-1) ogf]  
A025955 7.76986 -2\*(-13+221\*x+1320\*x^3-1014\*x^2)/(3\*x-1)/(2\*x-1)/(10\*x-1)/  
(11\*x-1) lgdogf  
A025955 9.35971 [ 1/(3\*x-1)/(2\*x-1)/(10\*x-1)/(11\*x-1) ogf]  
A025956 8.18975 -(-27+472\*x+2880\*x^3-2196\*x^2)/(12\*x-1)/(3\*x-1)/(2\*x-1)/(10\*x-1)  
lgdogf  
A025956 9.56209 [ 1/(12\*x-1)/(3\*x-1)/(2\*x-1)/(10\*x-1) ogf]  
A025957 7.01549 -2\*(-14+253\*x+1584\*x^3-1197\*x^2)/(3\*x-1)/(2\*x-1)/(12\*x-1)/  
(11\*x-1) lgdogf  
A025957 8.46630 [ 1/(3\*x-1)/(2\*x-1)/(12\*x-1)/(11\*x-1) ogf]  
A025958 8.98054 -(-17+208\*x+960\*x^3-804\*x^2)/(6\*x-1)/(4\*x-1)/(2\*x-1)/(5\*x-1)  
lgdogf  
A025958 9.83232 [ 1/(6\*x-1)/(4\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
A025959 10.2530 [ 1/(4\*x-1)/(2\*x-1)/(7\*x-1)/(5\*x-1) ogf]  
A025959 9.21948 -2\*(-9+115\*x+560\*x^3-459\*x^2)/(4\*x-1)/(2\*x-1)/(7\*x-1)/(5\*x-1)  
lgdogf  
A025960 8.34478 -(-19+252\*x+1280\*x^3-1032\*x^2)/(4\*x-1)/(2\*x-1)/(8\*x-1)/(5\*x-1)  
lgdogf  
A025960 9.44532 [ 1/(4\*x-1)/(2\*x-1)/(8\*x-1)/(5\*x-1) ogf]  
A025961 8.53347 -2\*(-10+137\*x+720\*x^3-573\*x^2)/(4\*x-1)/(-1+9\*x)/(2\*x-1)/(5\*x-1)  
lgdogf  
A025961 9.80661 [ 1/(4\*x-1)/(9\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
A025962 8.62523 -(-21+296\*x+1600\*x^3-1260\*x^2)/(4\*x-1)/(2\*x-1)/(5\*x-1)/(10\*x-1)  
lgdogf  
A025962 9.90984 [ 1/(4\*x-1)/(2\*x-1)/(5\*x-1)/(10\*x-1) ogf]  
A025963 7.87003 -2\*(-11+159\*x+880\*x^3-687\*x^2)/(5\*x-1)/(2\*x-1)/(4\*x-1)/(11\*x-1)  
lgdogf  
A025963 9.05616 [ 1/(5\*x-1)/(2\*x-1)/(4\*x-1)/(11\*x-1) ogf]  
A025964 8.45241 -(8\*x-1)\*(240\*x^2-156\*x+23)/(12\*x-1)/(4\*x-1)/(2\*x-1)/(5\*x-1)  
lgdogf  
A025964 9.25852 [ 1/(12\*x-1)/(4\*x-1)/(2\*x-1)/(5\*x-1) ogf]



A025965 10.3581 [ 1/(6\*x-1)/(4\*x-1)/(2\*x-1)/(7\*x-1) ogf]  
A025965 9.16576 -(-19+256\*x+1344\*x^3-1068\*x^2)/(6\*x-1)/(4\*x-1)/(2\*x-1)/(7\*x-1)  
lgdogf  
A025966 8.71928 -4\*(-5+70\*x+384\*x^3-300\*x^2)/(6\*x-1)/(8\*x-1)/(2\*x-1)/(4\*x-1)  
lgdogf  
A025966 9.54854 [ 1/(6\*x-1)/(8\*x-1)/(2\*x-1)/(4\*x-1) ogf]  
A025967 8.62523 -(-21+304\*x+1728\*x^3-1332\*x^2)/(6\*x-1)/(4\*x-1)/(-1+9\*x)/(2\*x-1)  
lgdogf  
A025967 9.90984 [ 1/(6\*x-1)/(4\*x-1)/(9\*x-1)/(2\*x-1) ogf]  
A025968 8.62523 -2\*(-11+164\*x+960\*x^3-732\*x^2)/(6\*x-1)/(4\*x-1)/(2\*x-1)/(10\*x-1)  
lgdogf  
A025968 9.90984 [ 1/(6\*x-1)/(4\*x-1)/(2\*x-1)/(10\*x-1) ogf]  
A025969 7.91500 -(-23+352\*x+2112\*x^3-1596\*x^2)/(6\*x-1)/(2\*x-1)/(4\*x-1)/(11\*x-1)  
lgdogf  
A025969 9.10675 [ 1/(6\*x-1)/(2\*x-1)/(4\*x-1)/(11\*x-1) ogf]  
A025970 8.36029 -8\*(-3+47\*x+288\*x^3-216\*x^2)/(12\*x-1)/(6\*x-1)/(4\*x-1)/(2\*x-1)  
lgdogf  
A025970 9.30912 [ 1/(12\*x-1)/(6\*x-1)/(4\*x-1)/(2\*x-1) ogf]  
A025971 8.53125 -(-21+308\*x+1792\*x^3-1368\*x^2)/(4\*x-1)/(2\*x-1)/(8\*x-1)/(7\*x-1)  
lgdogf  
A025971 9.65177 [ 1/(4\*x-1)/(2\*x-1)/(8\*x-1)/(7\*x-1) ogf]  
A025972 8.49046 -2\*(-11+167\*x+1008\*x^3-759\*x^2)/(4\*x-1)/(-1+9\*x)/(2\*x-1)/(7\*x-1)  
lgdogf  
A025972 9.90984 [ 1/(4\*x-1)/(9\*x-1)/(2\*x-1)/(7\*x-1) ogf]  
A025973 8.62523 -(-23+360\*x+2240\*x^3-1668\*x^2)/(4\*x-1)/(2\*x-1)/(7\*x-1)/(10\*x-1)  
lgdogf  
A025973 9.90984 [ 1/(4\*x-1)/(2\*x-1)/(7\*x-1)/(10\*x-1) ogf]  
A025974 7.87987 -2\*(-12+193\*x+1232\*x^3-909\*x^2)/(7\*x-1)/(2\*x-1)/(4\*x-1)/(11\*x-1)  
lgdogf  
A025974 9.20793 [ 1/(7\*x-1)/(2\*x-1)/(4\*x-1)/(11\*x-1) ogf]  
A025975 8.09489 -(-25+412\*x+2688\*x^3-1968\*x^2)/(12\*x-1)/(4\*x-1)/(2\*x-1)/(7\*x-1)  
lgdogf  
A025975 9.30912 [ 1/(12\*x-1)/(4\*x-1)/(2\*x-1)/(7\*x-1) ogf]  
A025976 8.62523 -(-23+364\*x+2304\*x^3-1704\*x^2)/(4\*x-1)/(-1+9\*x)/(2\*x-1)/(8\*x-1)  
lgdogf  
A025976 9.90984 [ 1/(4\*x-1)/(9\*x-1)/(2\*x-1)/(8\*x-1) ogf]  
A025977 10.0647 [ 1/(4\*x-1)/(2\*x-1)/(8\*x-1)/(10\*x-1) ogf]  
A025977 9.35696 -8\*(5\*x-1)\*(64\*x^2-34\*x+3)/(4\*x-1)/(2\*x-1)/(8\*x-1)/(10\*x-1)  
lgdogf  
A025978 8.09489 -(-25+420\*x+2816\*x^3-2040\*x^2)/(11\*x-1)/(8\*x-1)/(2\*x-1)/(4\*x-1)  
lgdogf  
A025978 9.30912 [ 1/(11\*x-1)/(8\*x-1)/(2\*x-1)/(4\*x-1) ogf]  
A025979 7.88940 -2\*(-13+224\*x+1536\*x^3-1104\*x^2)/(12\*x-1)/(4\*x-1)/(2\*x-1)/  
(8\*x-1) lgdogf  
A025979 9.35971 [ 1/(12\*x-1)/(4\*x-1)/(2\*x-1)/(8\*x-1) ogf]  
A025980 7.92413 -(-25+424\*x+2880\*x^3-2076\*x^2)/(4\*x-1)/(-1+9\*x)/(2\*x-1)/(10\*x-1)  
lgdogf  
A025980 9.25852 [ 1/(4\*x-1)/(9\*x-1)/(2\*x-1)/(10\*x-1) ogf]  
A025981 7.76986 -2\*(-13+227\*x+1584\*x^3-1131\*x^2)/(-1+9\*x)/(2\*x-1)/(4\*x-1)/  
(11\*x-1) lgdogf  
A025981 9.35971 [ 1/(9\*x-1)/(2\*x-1)/(4\*x-1)/(11\*x-1) ogf]  
A025982 8.14548 -(-27+484\*x+3456\*x^3-2448\*x^2)/(12\*x-1)/(4\*x-1)/(-1+9\*x)/(2\*x-1)  
lgdogf  
A025982 9.51148 [ 1/(12\*x-1)/(4\*x-1)/(9\*x-1)/(2\*x-1) ogf]  
A025983 8.05694 -(-27+488\*x+3520\*x^3-2484\*x^2)/(2\*x-1)/(10\*x-1)/(4\*x-1)/(11\*x-1)  
lgdogf  
A025983 9.41030 [ 1/(2\*x-1)/(10\*x-1)/(4\*x-1)/(11\*x-1) ogf]  
A025984 7.30555 -4\*(-7+130\*x+960\*x^3-672\*x^2)/(12\*x-1)/(4\*x-1)/(2\*x-1)/(10\*x-1)  
lgdogf  
A025984 8.41679 [ 1/(12\*x-1)/(4\*x-1)/(2\*x-1)/(10\*x-1) ogf]  
A025985 7.27805 -(-29+556\*x+4224\*x^3-2928\*x^2)/(2\*x-1)/(12\*x-1)/(4\*x-1)/(11\*x-1)

lgdogf  
 A025985 8.36640 [  $1/(2*x-1)/(12*x-1)/(4*x-1)/(11*x-1)$  ogf]  
 A025986 8.25154  $-2*(-10+143*x+840*x^3-636*x^2)/(6*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$   
 lgdogf  
 A025986 9.34209 [  $1/(6*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
 A025987 8.62373  $-3*(-7+104*x+640*x^3-476*x^2)/(6*x-1)/(2*x-1)/(8*x-1)/(5*x-1)$   
 lgdogf  
 A025987 9.60016 [  $1/(6*x-1)/(2*x-1)/(8*x-1)/(5*x-1)$  ogf]  
 A025988 8.49046  $-2*(-11+169*x+1080*x^3-792*x^2)/(6*x-1)/(-1+9*x)/(2*x-1)/(5*x-1)$   
 lgdogf  
 A025988 9.90984 [  $1/(6*x-1)/(9*x-1)/(2*x-1)/(5*x-1)$  ogf]  
 A025989 9.05649  $-(8*x-1)*(300*x^2-180*x+23)/(6*x-1)/(2*x-1)/(5*x-1)/(10*x-1)$   
 lgdogf  
 A025989 9.90984 [  $1/(6*x-1)/(2*x-1)/(5*x-1)/(10*x-1)$  ogf]  
 A025990 11.7252 [  $1/(6*x-1)/(5*x-1)/(2*x-1)/(11*x-1)$  ogf]  
 A025990 8.26740  $-6*(-4+65*x+440*x^3-316*x^2)/(6*x-1)/(5*x-1)/(2*x-1)/(11*x-1)$   
 lgdogf  
 A025991 8.09489  $-(-25+416*x+2880*x^3-2052*x^2)/(12*x-1)/(6*x-1)/(2*x-1)/(5*x-1)$   
 lgdogf  
 A025991 9.30912 [  $1/(12*x-1)/(6*x-1)/(2*x-1)/(5*x-1)$  ogf]  
 A025992 8.48759  $-2*(-11+171*x+1120*x^3-813*x^2)/(2*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$   
 lgdogf  
 A025992 9.75500 [  $1/(2*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
 A025993 9.05649  $-(8*x-1)*(315*x^2-186*x+23)/(-1+9*x)/(2*x-1)/(7*x-1)/(5*x-1)$   
 lgdogf  
 A025993 9.90984 [  $1/(9*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
 A025994 8.49046  $-2*(-12+199*x+1400*x^3-990*x^2)/(2*x-1)/(7*x-1)/(5*x-1)/(10*x-1)$   
 lgdogf  
 A025994 9.90984 [  $1/(2*x-1)/(7*x-1)/(5*x-1)/(10*x-1)$  ogf]  
 A025995 8.04991  $-(-25+426*x+3080*x^3-2157*x^2)/(7*x-1)/(5*x-1)/(2*x-1)/(11*x-1)$   
 lgdogf  
 A025995 9.25852 [  $1/(7*x-1)/(5*x-1)/(2*x-1)/(11*x-1)$  ogf]  
 A025996 7.88940  $-2*(-13+227*x+1680*x^3-1167*x^2)/(12*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  lgdogf  
 A025996 9.35971 [  $1/(12*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
 A025997 8.90803  $-6*(-4+67*x+480*x^3-337*x^2)/(-1+9*x)/(2*x-1)/(8*x-1)/(5*x-1)$   
 lgdogf  
 A025997 9.90984 [  $1/(9*x-1)/(2*x-1)/(8*x-1)/(5*x-1)$  ogf]  
 A025998 8.00494  $-(-25+432*x+3200*x^3-2220*x^2)/(2*x-1)/(8*x-1)/(5*x-1)/(10*x-1)$   
 lgdogf  
 A025998 9.20793 [  $1/(2*x-1)/(8*x-1)/(5*x-1)/(10*x-1)$  ogf]  
 A025999 7.88940  $-2*(-13+231*x+1760*x^3-1209*x^2)/(5*x-1)/(2*x-1)/(11*x-1)/(8*x-1)$  lgdogf  
 A025999 9.35971 [  $1/(5*x-1)/(2*x-1)/(11*x-1)/(8*x-1)$  ogf]  
 A026004 7.69358  $1/16+7/16*x-27/16*x^2+27/16*x^3-1/16*((1-2*x+9*x^2)*(1-8*x+9*x^2)^2)^{(1/2)}$  revogf  
 A026006 8.22980  $-3*(-9+164*x+1280*x^3-872*x^2)/(12*x-1)/(2*x-1)/(8*x-1)/(5*x-1)$   
 lgdogf  
 A026006 9.46089 [  $1/(12*x-1)/(2*x-1)/(8*x-1)/(5*x-1)$  ogf]  
 A026007 15.8967 [  $-(x^2+x+1)/(-x^4+2*x^2-1)$  ogf\_with\_Euler\_transform]  
 A026008 11.0871  $5+24*x+32*x^2+(-5-8*x+32*x^3+20*x^2)*f(x)+(-2*x^2+8*x^4+4*x^3-x)*f(x)^2$  lgdogf  
 A026011 10.5745 [  $-(2*x^2+2*x+2)/(-x^4+2*x^2-1)$  ogf\_with\_Euler\_transform]  
 A026013 9.25428  
 $-20+26*x-9*x^2+(5-28*x-12*x^3+35*x^2)*f(x)+(-6*x^2-4*x^4+9*x^3+x)*f(x)^2$  lgdogf  
 A026014 9.04861  $42-64*x+25*x^2+(-7+40*x+20*x^3-53*x^2)*f(x)+(6*x^2+4*x^4-9*x^3-x)*f(x)^2$  lgdogf  
 A026015 8.38955  
 $-72+118*x-49*x^2+(9-52*x-28*x^3+71*x^2)*f(x)+(-6*x^2-4*x^4+9*x^3+x)*f(x)^2$   
 lgdogf  
 A026017 10.2652

$-30+43*x-16*x^2+(6-34*x-16*x^3+44*x^2)*f(x)+(-6*x^2-4*x^4+9*x^3+x)*f(x)^2$  lgdogf  
A026018 8.33267  
 $-56+89*x-36*x^2+(8-46*x-24*x^3+62*x^2)*f(x)+(-6*x^2-4*x^4+9*x^3+x)*f(x)^2$  lgdogf  
A026024 8.09489  $-2*(6*x-1)*(300*x^2-155*x+13)/(-1+9*x)/(2*x-1)/(5*x-1)/(10*x-1)$   
lgdogf  
A026024 9.30912  $[1/(9*x-1)/(2*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A026026 9.68624  $15-44*x+36*x^2+(-5+36*x$   
 $+48*x^3-76*x^2)*f(x)+(8*x^2+16*x^4-20*x^3-x)*f(x)^2$  lgdogf  
A026027 8.29595  $35-116*x+100*x^2+(-7+52*x$   
 $+80*x^3-116*x^2)*f(x)+(8*x^2+16*x^4-20*x^3-x)*f(x)^2$  lgdogf  
A026028 8.01267  $-3*(-9+166*x+1320*x^3-893*x^2)/(-1+9*x)/(5*x-1)/(2*x-1)/(11*x-1)$   
lgdogf  
A026028 9.35971  $[1/(9*x-1)/(5*x-1)/(2*x-1)/(11*x-1)$  ogf]  
A026030 9.13466  $24-76*x+64*x^2+(-6+44*x$   
 $+64*x^3-96*x^2)*f(x)+(8*x^2+16*x^4-20*x^3-x)*f(x)^2$  lgdogf  
A026031 8.50232  $48-164*x+144*x^2+(-8+60*x$   
 $+96*x^3-136*x^2)*f(x)+(8*x^2+16*x^4-20*x^3-x)*f(x)^2$  lgdogf  
A026035 10.3324  $[(x^2-x+2)/(x+1)/(x-1)^4$  ogf]  
A026035 19.5091  $-(5+9*x+3*x^3-x^2)/(x-1)/(x+1)/(x^2-x+2)$  lgdogf  
A026036 10.0183  $-(4+6*x-8*x^5+16*x^4+7*x^3+3*x^2+4*x^8-7*x^7+15*x^6)/(x-1)/$   
 $(1+x^2)/(x^2-2*x+2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A026036 8.61753  $[x*(x^2+1)*(x^2-2*x+2)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A026037 12.2592  $[-(5*x^3-18*x^2+22*x-11)/(x-1)^4$  ogf]  
A026037 18.2108  $-(22+30*x+5*x^3-21*x^2)/(x-1)/(5*x^3-18*x^2+22*x-11)$  lgdogf  
A026038 8.82005  $[-(2*x^5-7*x^4+10*x^3-11*x^2+9*x-5)/(x^2+1)/(x-1)^4$  ogf]  
A026038 9.73029  $-(-11+15*x+14*x^5-24*x^4+27*x^3-31*x^2+2*x^7-8*x^6)/(x-1)/$   
 $(1+x^2)/(2*x^5-7*x^4+10*x^3-11*x^2+9*x-5)$  lgdogf  
A026039 7.69386 -  
 $(-4-4*x-4*x^5-4*x^4-11*x^3-3*x^2+x^11-3*x^10+3*x^9-5*x^8+2*x^7-8*x^6)/(x-1)/$   
 $(x^4+x^3+x^2+x+1)/(x^7-3*x^6+3*x^5-2*x^4+x^3-2*x^2+2*x-2)$  lgdogf  
A026039 7.87331  $[-(x^7-3*x^6+3*x^5-2*x^4+x^3-2*x^2+2*x-2)/(x^4+x^3+x^2+x+1)/$   
 $(x-1)^4$  ogf]  
A026040 14.6358  $-(x-2)*(7*x^2-13*x+10)/(x-1)/(7*x^3-24*x^2+28*x-12)$  lgdogf  
A026040 4.13740  $[{(11*n^2+69*n+94)*a(n+1)+(-16*n^2-58*n-22)*a(n$   
 $+2)+(5*n^2+7*n-24)*a(n+3), a(0) = 24, a(1) = 40, a(2) = 64},$  ogf]  
A026040 9.39854  $[-2*(7*x^3-24*x^2+28*x-12)/(x-1)^4$  ogf]  
A026041 12.7428  $[-(7*x^3-24*x^2+28*x-12)/(x-1)^4$  ogf]  
A026041 19.6787  $-(x-2)*(7*x^2-13*x+10)/(x-1)/(7*x^3-24*x^2+28*x-12)$  lgdogf  
A026041 5.54033  $[{(11*n^2+69*n+94)*a(n+1)+(-16*n^2-58*n-22)*a(n$   
 $+2)+(5*n^2+7*n-24)*a(n+3), a(0) = 12, a(1) = 20, a(2) = 32},$  ogf]  
A026042 7.75458  $[-(2*x^7-5*x^6+3*x^5+x^4-3*x^3+4*x-4)/(x^4+x^3+x^2+x+1)/(x-1)^4$   
ogf]  
A026042 7.87906  $-(-8+x^5-11*x^4-5*x^3-9*x^2+2*x^11-4*x^10+4*x^8-12*x^7+2*x^6)/$   
 $(x-1)/(x^4+x^3+x^2+x+1)/(2*x^7-5*x^6+3*x^5+x^4-3*x^3+4*x-4)$  lgdogf  
A026043 12.7772  $-(-67+139*x+30*x^3-110*x^2)/(x-1)/(30*x^3-100*x^2+113*x-45)$   
lgdogf  
A026043 3.96242  $[{(115*n^2+755*n+1050)*a(n+1)+(-188*n^2-859*n-765)*a(n$   
 $+2)+(73*n^2+230*n+33)*a(n+3), a(0) = 45, a(1) = 67, a(2) = 98},$  ogf]  
A026043 9.26155  $[-(30*x^3-100*x^2+113*x-45)/(x-1)^4$  ogf]  
A026044 8.40234  $[-(15*x^5-50*x^4+71*x^3-71*x^2+55*x-22)/(x^2+1)/(x-1)^4$  ogf]  
A026044 8.80204  $-(-33+67*x+98*x^5-138*x^4+146*x^3-116*x^2+15*x^7-55*x^6)/(x-1)/$   
 $(1+x^2)/(15*x^5-50*x^4+71*x^3-71*x^2+55*x-22)$  lgdogf  
A026045 7.02208  $-(-13+x$   
 $+17*x^5-11*x^4-5*x^3-9*x^2+6*x^11-10*x^10+4*x^8-2*x^7-18*x^6)/(x-1)/$   
 $(x^4+x^3+x^2+x+1)/(6*x^7-14*x^6+8*x^5+x^4-x^3-7*x^2+14*x-9)$  lgdogf  
A026045 7.08770  $[-(6*x^7-14*x^6+8*x^5+x^4-x^3-7*x^2+14*x-9)/(x^4+x^3+x^2+x+1)/$   
 $(x-1)^4$  ogf]  
A026046 10.7779  $[-(55*x^3-180*x^2+199*x-76)/(x-1)^4$  ogf]  
A026046 14.6556  $-(-105+237*x+55*x^3-195*x^2)/(x-1)/(55*x^3-180*x^2+199*x-76)$   
lgdogf  
A026046 4.25983  $[{(2211*n^2+15081*n+21318)*a(n+1)+(-3824*n^2-19528*n-21240)*a(n$

+2)+(1613\*n^2+6241\*n+4206)\*a(n+3), a(0) = 76, a(1) = 105, a(2) = 144}, ogf]  
A026047 11.5313  $-( -52+12*x+27*x^5-41*x^4-51*x^3+89*x^2)/(x-1)/(x+1)/(27*x^4-61*x^3+8*x^2+62*x-38)$  lgdogf  
A026047 9.78973  $[-(27*x^4-61*x^3+8*x^2+62*x-38)/(x+1)/(x-1)^4$  ogf]  
A026048 6.76543  $[-(11*x^7-25*x^6+14*x^5+2*x^4-3*x^3-10*x^2+24*x-15)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A026049 11.0757  $[-(91*x^3-294*x^2+320*x-119)/(x-1)^4$  ogf]  
A026049 15.0007  $-( -156+372*x+91*x^3-315*x^2)/(x-1)/(91*x^3-294*x^2+320*x-119)$  lgdogf  
A026050 7.83999  $[-(45*x^5-145*x^4+202*x^3-203*x^2+158*x-59)/(x^2+1)/(x-1)^4$  ogf]  
A026050 7.97804  $-( -78+186*x+271*x^5-385*x^4+412*x^3-312*x^2+45*x^7-155*x^6)/(x-1)/(45*x^5-145*x^4+202*x^3-203*x^2+158*x-59)/(1+x^2)$  lgdogf  
A026051 6.82229  $[-(18*x^7-40*x^6+22*x^5+2*x^4-3*x^3-16*x^2+38*x-23)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A026052 10.0690  $[-(x^3-x^2-2)/(x^2+1)/(x+1)/(x-1)^4$  ogf]  
A026052 14.7817  $-2*(-3-4*x-x^5-7*x^3-3*x^2+2*x^6)/(x-1)/(x+1)/(1+x^2)/(x^3-x^2-2)$  lgdogf  
A026053 11.1763  $-( -2-4*x+4*x^5-8*x^4-3*x^3-3*x^2+5*x^7-9*x^6)/(x-1)/(x^3-2*x^2+x-1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A026053 9.56519  $[-(x^3-2*x^2+x-1)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A026054 11.9674  $[-(4*x^3-16*x^2+24*x-13)/(x-1)^4$  ogf]  
A026054 18.4671  $-4*(-7+10*x+x^3-5*x^2)/(x-1)/(4*x^3-16*x^2+24*x-13)$  lgdogf  
A026054 5.09249  $[{(9*n^2+63*n+90)*a(n+1)+(-22*n^2-166*n-300)*a(n+2)+(13*n^2+91*n+156)*a(n+3), a(0) = 13, a(1) = 28, a(2) = 50},$  ogf]  
A026055 7.77604  $[-(2*x^6-6*x^5+6*x^4-x^3-x^2+4*x-6)/(x^2+1)/(x+1)/(x-1)^4$  ogf]  
A026055 8.77248  $-2*(-7-4*x+2*x^5+3*x^4-6*x^3-6*x^2+x^9-3*x^8+3*x^7+x^6)/(x-1)/(x+1)/(1+x^2)/(2*x^6-6*x^5+6*x^4-x^3-x^2+4*x-6)$  lgdogf  
A026056 11.5489  $-( -5-5*x+7*x^5-13*x^4-3*x^3-3*x^2+5*x^7-3*x^6)/(x-1)/(x^3-x^2+x-2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A026056 9.76447  $[-(x^3-x^2+x-2)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A026057 11.3286  $[-x*(6*x^2-9*x+2)/(x-1)^4$  ogf]  
A026057 22.1440  $-( -1-15*x+12*x^2)/(x-1)/(6*x^2-9*x+2)$  lgdogf  
A026057 4.11436  $[{( -6-2*n)*a(n+4)+(21+11*n)*a(n+3)+(-15*n-30)*a(n+2)+(12+6*n)*a(n+1), a(0) = 0, a(1) = -2, a(2) = 1, a(3) = 10},$  ogf]  
A026058 7.49791  $[-(5*x^6-15*x^5+14*x^4-2*x^3-5*x^2+14*x-13)/(x^2+1)/(x+1)/(x-1)^4$  ogf]  
A026058 7.61202  $-( -25-7*x-4*x^5+30*x^4-14*x^3-18*x^2+5*x^9-15*x^8+12*x^7+4*x^6)/(x-1)/(x+1)/(1+x^2)/(5*x^6-15*x^5+14*x^4-2*x^3-5*x^2+14*x-13)$  lgdogf  
A026059 7.75173  $[-(2*x^7-6*x^6+5*x^5+x^4-2*x^3-x^2+5*x-5)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A026060 11.3626  $[-(20*x^3-76*x^2+100*x-45)/(x-1)^4$  ogf]  
A026060 16.0761  $-4*(-20+37*x+5*x^3-23*x^2)/(x-1)/(20*x^3-76*x^2+100*x-45)$  lgdogf  
A026060 4.58983  $[{(383*n^2+3145*n+4758)*a(n+1)+(-858*n^2-7416*n-14280)*a(n+2)+(475*n^2+3995*n+7710)*a(n+3), a(0) = 45, a(1) = 80, a(2) = 126},$  ogf]  
A026061 6.87882  $[-(10*x^6-28*x^5+22*x^4-x^3-9*x^2+26*x-22)/(x^2+1)/(x+1)/(x-1)^4$  ogf]  
A026061 7.14441  $-2*(-20-3*x-3*x^5+26*x^4-9*x^3-9*x^2+5*x^9-13*x^8+6*x^7+4*x^6)/(x-1)/(x+1)/(1+x^2)/(10*x^6-28*x^5+22*x^4-x^3-9*x^2+26*x-22)$  lgdogf  
A026062 7.54166  $[-(4*x^7-12*x^6+11*x^5-2*x^4-4*x^2+11*x-9)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A026063 11.0708  $[-(35*x^3-130*x^2+165*x-71)/(x-1)^4$  ogf]  
A026063 15.0593  $-( -119+235*x+35*x^3-155*x^2)/(x-1)/(35*x^3-130*x^2+165*x-71)$  lgdogf  
A026063 4.50428  $[{(397*n^2+3539*n+5490)*a(n+1)+(-872*n^2-8136*n-16116)*a(n+2)+(475*n^2+4363*n+8814)*a(n+3), a(0) = 71, a(1) = 119, a(2) = 180},$  ogf]  
A026064 6.94452  $[-(17*x^6-46*x^5+33*x^4+x^3-18*x^2+46*x-35)/(x^2+1)/(x+1)/(x-1)^4$  ogf]  
A026064 6.98631  $-(-59-3*x-24*x^5+94*x^4-26*x^3-18*x^2+17*x^9-41*x^8+12*x^7+16*x^6)/(x-1)/(x+1)/(1+x^2)/(17*x^6-46*x^5+33*x^4+x^3-18*x^2+46*x-35)$  lgdogf

A026065 6.98423 [  $-(7*x^7-19*x^6+14*x^5-x^4+2*x^3-9*x^2+19*x-14)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A026066 10.7402 [  $-(56*x^3-204*x^2+252*x-105)/(x-1)^4$  ogf]  
A026066 14.7825  $-4*(-42+87*x+14*x^3-60*x^2)/(x-1)/(56*x^3-204*x^2+252*x-105)$  lgdogf  
A026066 4.74831 [  $\{(6*n^2+58*n+92)*a(n+1)+(-13*n^2-131*n-266)*a(n+2)+(7*n^2+70*n+147)*a(n+3), a(0) = 105, a(1) = 168, a(2) = 246\}$ , ogf]  
A026067 6.87737 [  $-(28*x^6-74*x^5+52*x^4-x^3-27*x^2+72*x-52)/(x^2+1)/(x+1)/(x-1)^4$  ogf]  
A026067 6.91824  $-2*(-42+3*x-18*x^5+67*x^4-12*x^3-12*x^2+14*x^9-32*x^8+9*x^7+7*x^6)/(x-1)/(x+1)/(28*x^6-74*x^5+52*x^4-x^3-27*x^2+72*x-52)/(1+x^2)$  lgdogf  
A026068 6.26017 [  $-(11*x^7-29*x^6+20*x^5+x^3-13*x^2+30*x-21)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A026083 3.37100 [  $\{(-3*n-9)*a(n+1)+(n+14)*a(n+2)+(3*n+19)*a(n+3)+(-n-8)*a(n+4), a(0) = 6, a(1) = 12, a(2) = 38, a(3) = 104\}$ , ogf]  
A026084 3.37157 [  $\{(3*n+9)*a(n+1)+(-n-17)*a(n+2)+(-3*n-21)*a(n+3)+(n+9)*a(n+4), a(0) = 3, a(1) = 13, a(2) = 33, a(3) = 98\}$ , ogf]  
A026097 13.3288 [  $(4*x^3+2*x^2+x-1)/(3*x-1)$  ogf]  
A026097 14.4395  $2*(1-2*x+12*x^3-3*x^2)/(3*x-1)/(4*x^3+2*x^2+x-1)$  lgdogf  
A026097 7.35860 [  $\{-a(n+4)+3*a(n+3), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$ , ogf]  
A026108 7.94157  $-2*(-14+265*x+2160*x^3-1449*x^2)/(12*x-1)/(-1+9*x)/(2*x-1)/(5*x-1)$  lgdogf  
A026108 9.39433 [  $1/(12*x-1)/(9*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A026121 16.0541 [  $3*x/(9*x-1)/(3*x-1)$  ogf]  
A026121 17.1422  $-1/18*(-1-4*x+(1+8*x+4*x^2)^(1/2))/x$  revogf  
A026121 21.2800  $-6*(-2+9*x)/(-1+9*x)/(-1+3*x)$  lgdogf  
A026121 7.54347 [  $\{a(n+2)-12*a(n+1)+27*a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A026122 3.58087 [  $\{(3*n+9)*a(n+1)+(-n-12)*a(n+2)+(-3*n-23)*a(n+3)+(n+10)*a(n+4), a(0) = 2, a(1) = 4, a(2) = 11, a(3) = 28\}$ , ogf]  
A026135 3.88090 [  $\{-3*a(n)*n+(n+5)*a(n+1)+(3*n+12)*a(n+2)+(-n-5)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A026149 7.81279  $-2*(-14+267*x+2200*x^3-1470*x^2)/(5*x-1)/(2*x-1)/(10*x-1)/(11*x-1)$  lgdogf  
A026149 9.24521 [  $1/(5*x-1)/(2*x-1)/(10*x-1)/(11*x-1)$  ogf]  
A026150 12.8152 [  $(x-1)/(2*x^2+2*x-1)$  ogf]  
A026150 16.1043  $-(-1-4*x+2*x^2)/(x-1)/(2*x^2+2*x-1)$  lgdogf  
A026150 7.03273 [  $\{-a(n+2)+2*a(n+1)+2*a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A026155 3.49202 [  $(x^6-6*x^5-13*x^4+8*x^3+8*x^2-6*x+1)*(x-1)^2/(x^6-3*x^5-5*x^4+8*x^3+4*x^2-5*x+1)/(7*x^6+7*x^5-21*x^4+14*x^2-7*x+1)$  ogf]  
A026184 6.28492  $-(3+10*x+36*x^5+36*x^4+28*x^3+9*x^8+20*x^7+10*x^6+6*x^2+2*x^9)/(x-1)/(x+1)/(x^2+1)/(x^6+3*x^5+5*x^4+2*x^3+5*x^2+3*x+1)$  lgdogf  
A026184 8.51902 [  $(x^6+3*x^5+5*x^4+2*x^3+5*x^2+3*x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A026185 7.75556 [  $(x^6+4*x^5+x^4+4*x^3+x^2+4*x+1)/(x^2+x+1)/(x^2-x+1)/(x+1)^2/(x-1)^2$  ogf]  
A026200 6.33863  $-2*(1+4*x+18*x^5+17*x^4+6*x^3+6*x^8+2*x^7+15*x^6+9*x^2+2*x^9)/(x-1)/(x+1)/(x^2+1)/(2*x^6+4*x^5+x^4+6*x^3+4*x^2+2*x+1)$  lgdogf  
A026200 8.51902 [  $(2*x^6+4*x^5+x^4+6*x^3+4*x^2+2*x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A026201 7.75556 [  $(3*x^6+x^5+4*x^4+x^3+4*x^2+2*x+1)/(x^2+x+1)/(x^2-x+1)/(x+1)^2/(x-1)^2$  ogf]  
A026208 6.28492  $-(3+10*x+36*x^5+36*x^4+28*x^3+9*x^8+20*x^7+10*x^6+6*x^2+2*x^9)/(x-1)/(x+1)/(x^2+1)/(x^6+3*x^5+5*x^4+2*x^3+5*x^2+3*x+1)$  lgdogf  
A026208 8.51902 [  $(x^6+3*x^5+5*x^4+2*x^3+5*x^2+3*x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A026209 7.75556 [  $(x^6+4*x^5+x^4+4*x^3+x^2+4*x+1)/(x^2+x+1)/(x^2-x+1)/(x+1)^2/(x-1)^2$  ogf]  
A026218 6.33863  $-2*(1+4*x+18*x^5+17*x^4+6*x^3+6*x^8+2*x^7+15*x^6+9*x^2+2*x^9)/(x-1)/(x+1)/(x^2+1)/(2*x^6+4*x^5+x^4+6*x^3+4*x^2+2*x+1)$  lgdogf

A026218 8.51902 [  $(2*x^6+4*x^5+x^4+6*x^3+4*x^2+2*x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A026219 7.75556 [  $(3*x^6+x^5+4*x^4+x^3+4*x^2+2*x+1)/(x^2+x+1)/(x^2-x+1)/(x+1)^2/(x-1)^2$  ogf]  
A026241 7.19141  $-(-29+568*x+4800*x^3-3180*x^2)/(12*x-1)/(2*x-1)/(5*x-1)/(10*x-1)$  lgdogf  
A026241 8.12655 [  $1/(12*x-1)/(2*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A026243 27.3614  $(7-7*x+2*x^2)/(x-1)/(2*x-3)$  lgdegf  
A026243 3.32459 [  $\{(n^2+5*n+6)*a(n+1)+(-4*n^2-30*n-54)*a(n+2)+(3*n^2+28*n+58)*a(n+3)+(-9-3*n)*a(n+4), a(0) = 0, a(1) = 3, a(2) = 14, a(3) = 63\}$ , ogf]  
A026244 14.2928 [  $-(10*x-1)/(16*x-1)/(4*x-1)$  ogf]  
A026244 14.9839  $-2*(5-64*x+320*x^2)/(4*x-1)/(16*x-1)/(10*x-1)$  lgdogf  
A026244 16.4458  $-1/4*(-1-20*x+(1+144*x^2)^{1/2})/(32*x+5)$  revogf  
A026244 8.07124 [  $\{a(n+2)-20*a(n+1)+64*a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A026269 4.28385 [  $\{3*a(n)*n+(-n-3)*a(n+1)+(-3*n-16)*a(n+2)+(n+7)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A026270 4.40339 [  $\{3*a(n)*n+(-n-6)*a(n+1)+(-3*n-18)*a(n+2)+(n+8)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A026308 7.39357  $-6*(-5+101*x+880*x^3-577*x^2)/(5*x-1)/(2*x-1)/(12*x-1)/(11*x-1)$  lgdogf  
A026308 8.22216 [  $1/(5*x-1)/(2*x-1)/(12*x-1)/(11*x-1)$  ogf]  
A026313 6.12696 [  $(2*x^{12}+x^{11}+2*x^{10}+x^9+2*x^8+x^7+3*x^6+3*x^5+x^4+2*x^3+x^2+2*x+1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A026314 6.56109 [  $x*(2*x^8+x^7+3*x^6+3*x^5+3*x^4+3*x^3+3*x^2+3*x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A026315 5.77995 [  $x*(3*x^{10}+3*x^9+3*x^8+3*x^7+x^6+2*x^5+x^4+2*x^3+x^2+2*x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A026316 5.50617 [  $(2*x^{11}+3*x^{10}+x^9+2*x^8+x^7+2*x^6+x^5+2*x^4+x^3+3*x^2+3*x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A026317 5.57979 [  $x*(x^{10}+2*x^9+x^8+3*x^7+3*x^6+3*x^5+3*x^4+x^3+2*x^2+x+2)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A026324 8.67111  $-(-23+376*x+2688*x^3-1884*x^2)/(6*x-1)/(2*x-1)/(8*x-1)/(7*x-1)$  lgdogf  
A026324 9.80661 [  $1/(6*x-1)/(2*x-1)/(8*x-1)/(7*x-1)$  ogf]  
A026326 8.35984  $-2*(-12+203*x+1512*x^3-1044*x^2)/(6*x-1)/(-1+9*x)/(2*x-1)/(7*x-1)$  lgdogf  
A026326 9.90984 [  $1/(6*x-1)/(9*x-1)/(2*x-1)/(7*x-1)$  ogf]  
A026329 3.71599 [  $-(x-1)*(x^6-6*x^5-13*x^4+8*x^3+8*x^2-6*x+1)/(x^6-3*x^5-5*x^4+8*x^3+4*x^2-5*x+1)/(7*x^6+7*x^5-21*x^4+14*x^2-7*x+1)$  ogf]  
A026337 12.6666  $-1/64*(-10*x-3+(2*x+3)^{1/2}*(6*x+1)^{1/2}*3^{1/2})/x$  revogf  
A026337 17.4402 [  $6*x/(16*x-1)/(4*x-1)$  ogf]  
A026337 23.1494  $-4*(-5+32*x)/(16*x-1)/(4*x-1)$  lgdogf  
A026337 8.19477 [  $\{a(n+2)-20*a(n+1)+64*a(n), a(0) = 0, a(1) = 6\}$ , ogf]  
A026375 17.0710  $-(-3*x+(4*x^2+1)^{1/2})/(-1+5*x^2)*x$  revogf  
A026375 26.7198  $-(-3+5*x)/(5*x-1)/(x-1)$  lgdogf  
A026375 4.09868 [  $\{(-n-3)*a(n+3)+(15+6*n)*a(n+2)+(-10-5*n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]  
A026376 4.06084 [  $\{(-5*n^2-35*n-60)*a(n+1)+(6*n^2+45*n+84)*a(n+2)+(-n^2-8*n-15)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 30\}$ , ogf]  
A026377 3.16098 [  $\{(-5*n^2-45*n-100)*a(n+1)+(6*n^2+57*n+135)*a(n+2)+(-n^2-10*n-21)*a(n+3), a(0) = 1, a(1) = 9, a(2) = 58\}$ , ogf]  
A026378 30.0111  $x*(1+x)/(1+5*x+5*x^2)$  revogf  
A026378 4.20114 [  $\{(-5*n-10)*a(n+1)+(6*n+20)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 17\}$ , ogf]  
A026378 6.49725  $-1/2*(5*x-1+10*(5*x-1)^{1/2}*(x-1)^{1/2})*x-(5*x-1)^{1/2}*(x-1)^{1/2})/(5*x-1)^{3/2}/(x-1)^{1/2}/x$  lgdogf  
A026379 3.43259 [  $\{(-5*n^2-35*n-60)*a(n+1)+(6*n^2+50*n+104)*a(n+2)+(-n^2-9*n-18)*a(n+3), a(0) = 1, a(1) = 7, a(2) = 39\}$ , ogf]  
A026379 6.08935  $-1/2*(15*x-3+20*(5*x-1)^{1/2}*(x-1)^{1/2})*x-3*(5*x-1)^{1/2}*(x-1)^{1/2})/$

$(5*x-1)^{(3/2)}/(x-1)^{(1/2)}/x$  lgdogf  
A026381 14.2944  $-(4+18*x+15*x^2+17*x^3)/(x-1)/(x+1)/(5*x^2+3*x+1)$  lgdogf  
A026381 9.29418  $[-(5*x^2+3*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A026382 10.6241  $-(6+28*x+52*x^2+53*x^3+77*x^4)/(x-1)/(x+1)/(13*x^3+8*x^2+5*x+1)$  lgdogf  
A026382 6.70458  $[(13*x^3+8*x^2+5*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A026383 10.6288  $[{-a(n+2)+5*a(n), a(0) = 1, a(1) = 2}$ ], ogf]  
A026383 16.5912  $[-(2*x+1)/(5*x^2-1)$  ogf]  
A026383 16.6659  $1/5*5^{(1/2)}*(-\operatorname{arcsinh}(2)+\operatorname{arcsinh}(2+5*x))$  revegfg  
A026383 19.6069  $-2*(1+5*x+5*x^2)/(2*x+1)/(5*x^2-1)$  lgdogf  
A026384 13.6841  $-(-3-10*x+20*x^2+5*x^3)/(x-1)/(2*x+1)/(5*x^2-1)$  lgdogf  
A026384 14.1895  $[(2*x+1)/(x-1)/(5*x^2-1)$  ogf]  
A026384 6.71468  $[{a(n+3)-a(n+2)-5*a(n+1)+5*a(n), a(0) = 1, a(1) = 3, a(2) = 8}$ ], ogf]  
A026385 10.0366  $[-(x^2+x+1)/(x^4+3*x^3+x^2-1)$  ogf]  
A026385 10.2947  $-(1+4*x+2*x^2+5*x^3+6*x^4+10*x^5+10*x^6)/(x^2+x+1)/(x^4+3*x^3+x^2-1)$  lgdogf  
A026387 26.8358  $x*(x+2)/(4+10*x+5*x^2)$  revogfg  
A026387 3.93956  $[{(-5*n-10)*a(n+1)+(6*n+20)*a(n+2)+(-n-4)*a(n+3), a(0) = 2, a(1) = 8, a(2) = 34}$ ], ogf]  
A026387 6.08648  $-1/2*(5*x-1+10*(5*x-1)^{(1/2)}*(x-1)^{(1/2)}*x-(5*x-1)^{(1/2)}*(x-1)^{(1/2)})/(5*x-1)^{(3/2)}/(x-1)^{(1/2)}/x$  lgdogf  
A026388 10.1791  $1/2/(5*x^2-1-5*x)*(-1-6*x+x^2+((x^2+6*x+1)*(1+x)^2)^{(1/2)})$  revogfg  
A026390 10.9499  $[(x^2+x+2)/(x-1)/(x^2+x-1)$  ogf]  
A026390 11.1100  $-(-5-2*x+x^4+2*x^3+8*x^2)/(x-1)/(x^2+x+2)/(x^2+x-1)$  lgdogf  
A026390 6.10888  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 2, a(1) = 5, a(2) = 11}$ ], ogf]  
A026391 7.87003  $-(-25+436*x+3360*x^2-2292*x^3)/(6*x-1)/(2*x-1)/(7*x-1)/(10*x-1)$  lgdogf  
A026391 9.05616  $[1/(6*x-1)/(2*x-1)/(7*x-1)/(10*x-1)$  ogf]  
A026393 11.6103  $-(4+12*x+6*x^2+9*x^3+23*x^4)/(x-1)/(x+1)/(3*x^3+2*x^2+3*x+1)$  lgdogf  
A026393 9.75704  $[-(3*x^3+2*x^2+3*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A026394 7.45339  $[(8*x^4+5*x^3+9*x^2+4*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A026394 8.47363  $-(5+29*x+24*x^2+28*x^3+82*x^4+48*x^5)/(x-1)/(x+1)/(8*x^4+5*x^3+9*x^2+4*x+1)$  lgdogf  
A026395 13.8130  $[(x^2-2*x-1)/(5*x^2-1)$  ogf]  
A026395 17.9252  $2*(1+4*x+5*x^2)/(5*x^2-1)/(x^2-2*x-1)$  lgdogf  
A026395 8.05761  $[{-a(n+3)+5*a(n+1), a(0) = 1, a(1) = 2, a(2) = 4}$ ], ogf]  
A026396 10.3854  $-(-7+20*x+25*x^2-40*x^3-20*x^4)/(x-1)/(5*x^2-4*x-3)/(5*x^2-1)$  lgdogf  
A026396 12.8352  $[-(5*x^2-4*x-3)/(x-1)/(5*x^2-1)$  ogf]  
A026396 6.92876  $[{a(n+3)-a(n+2)-5*a(n+1)+5*a(n), a(0) = 3, a(1) = 7, a(2) = 17}$ ], ogf]  
A026397 9.08158  $-(-2+6*x+4*x^2+11*x^3+16*x^4+x^5+14*x^6)/(x+1)/(x^2+x+1)/(x^4+3*x^3+x^2-1)$  lgdogf  
A026397 9.27481  $[-(x^2+x+1)*(x+1)/(x^4+3*x^3+x^2-1)$  ogf]  
A026449 6.21657  $[-(3*x^26-2*x^25-x^24+2*x^21-2*x^20+x^7-x^5-x^3-2*x-1)/(x+1)/(x-1)^2$  ogf]  
A026471 7.64079  $[(9*x^11-7*x^10+9*x^8+7*x^5+x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A026472 3.96140  $[(5*x^6-3*x^5+5*x^4+3*x^3+x+1)/(x+1)/(x-1)^2$  ogf]  
A026473 4.23250  $[-(x^15+11*x^14-12*x^13-11*x^12+11*x^11+11*x^10-10*x^9-10*x^8+6*x^7-x^6-7*x^5+x^4-x^2-x-1)/(x+1)/(x-1)^2$  ogf]  
A026474 12.7573  $[(3*x^4+2*x^3+x^2+1)/(x-1)^2$  ogf]  
A026474 15.6369  $2*(-1-x+3*x^2-5*x^3-3*x^4)/(x-1)/(3*x^4+2*x^3+x^2+1)$  lgdogf  
A026474 6.52931  $[{a(n+5)-2*a(n+4)+a(n+3), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8, a(4) = 15}$ ], ogf]  
A026475 6.45611  $[(13*x^14-11*x^13+13*x^10-x^8+12*x^6+x^5+x^4+x^3+x^2+2*x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]

A026476 10.4109  $(-3-5*x-4*x^5-32*x^4-11*x^3+12*x^6-13*x^2)/(x-1)/(x+1)/(6*x^5+2*x^4+3*x^3+2*x+1)$  lgdogf  
A026476 11.0265  $[ (6*x^5+2*x^4+3*x^3+2*x+1)/(x+1)/(x-1)^2$  ogf]  
A026484 6.17769  $[ (3*x^5+1)/(x-1)^2$  ogf]  
A026484 8.76067  $(-2+9*x^5-15*x^4)/(x-1)/(1+3*x^5)$  lgdogf  
A026488 5.07392  $[ (3*x^4-x^2+x+1)/(x-1)^2$  ogf]  
A026488 7.21718  $(-3+x+6*x^4-12*x^3)/(x-1)/(3*x^4-x^2+x+1)$  lgdogf  
A026532 10.1528  $[ \{a(n+2)-6*a(n), a(0) = 1, a(1) = 3\},$  ogf]  
A026532 15.8483  $[ -(3*x+1)/(6*x^2-1)$  ogf]  
A026532 16.7487  $1/6*(-1+(1+12*x+24*x^2)^{(1/2)})/(1+2*x)$  revogf  
A026532 18.7191  $-3*(1+4*x+6*x^2)/(3*x+1)/(6*x^2-1)$  lgdogf  
A026534 12.6372  $[ (3*x+1)/(x-1)/(6*x^2-1)$  ogf]  
A026534 16.0108  $-4*(-1-3*x+9*x^3)/(x-1)/(3*x+1)/(6*x^2-1)$  lgdogf  
A026534 5.92719  $[ \{-a(n+3)+a(n+2)+6*a(n+1)-6*a(n), a(0) = 1, a(1) = 4, a(2) = 10\},$  ogf]  
A026542 7.84581  $-2*(-13+233*x+1848*x^3-1248*x^2)/(6*x-1)/(7*x-1)/(2*x-1)/(11*x-1)$  lgdogf  
A026542 9.30912  $[ 1/(6*x-1)/(7*x-1)/(2*x-1)/(11*x-1)$  ogf]  
A026543 8.18483  $(-27+496*x+4032*x^3-2700*x^2)/(12*x-1)/(6*x-1)/(2*x-1)/(7*x-1)$  lgdogf  
A026543 9.24521  $[ 1/(12*x-1)/(6*x-1)/(2*x-1)/(7*x-1)$  ogf]  
A026549 15.6044  $[ -(2*x+1)/(6*x^2-1)$  ogf]  
A026549 16.9312  $1/4*(-1+(1+8*x+24*x^2)^{(1/2)})/(1+3*x)$  revogf  
A026549 18.4251  $-2*(1+6*x+6*x^2)/(2*x+1)/(6*x^2-1)$  lgdogf  
A026549 9.99659  $[ \{-a(n+2)+6*a(n), a(0) = 1, a(1) = 2\},$  ogf]  
A026551 10.5359  $[ -3*(2*x^2-2*x-1)/(x-1)/(6*x^2-1)$  ogf]  
A026551 10.8535  $(-3+8*x+12*x^4-24*x^3-4*x^2)/(x-1)/(6*x^2-1)/(2*x^2-2*x-1)$  lgdogf  
A026551 5.68751  $[ \{-a(n+3)+a(n+2)+6*a(n+1)-6*a(n), a(0) = 3, a(1) = 9, a(2) = 21\},$  ogf]  
A026561 8.62523  $(-25+440*x+3456*x^3-2340*x^2)/(6*x-1)/(8*x-1)/(2*x-1)/(-1+9*x)$  lgdogf  
A026561 9.90984  $[ 1/(6*x-1)/(8*x-1)/(2*x-1)/(9*x-1)$  ogf]  
A026562 7.84581  $-2*(-13+236*x+1920*x^3-1284*x^2)/(6*x-1)/(2*x-1)/(8*x-1)/(10*x-1)$  lgdogf  
A026562 9.30912  $[ 1/(6*x-1)/(2*x-1)/(8*x-1)/(10*x-1)$  ogf]  
A026565 13.3288  $[ -(3*x^2+3*x+1)/(6*x^2-1)$  ogf]  
A026565 15.9946  $-3*(1+6*x+6*x^2)/(3*x^2+3*x+1)/(6*x^2-1)$  lgdogf  
A026565 7.77513  $[ \{a(n+3)-6*a(n+1), a(0) = 1, a(1) = 3, a(2) = 9\},$  ogf]  
A026567 10.9963  $(-4-18*x+18*x^4+36*x^3+3*x^2)/(x-1)/(3*x^2+3*x+1)/(6*x^2-1)$  lgdogf  
A026567 11.0345  $[ (3*x^2+3*x+1)/(x-1)/(6*x^2-1)$  ogf]  
A026567 5.95667  $[ \{a(n+3)-a(n+2)-6*a(n+1)+6*a(n), a(0) = 1, a(1) = 4, a(2) = 13\},$  ogf]  
A026569 20.0071  $(-1-3*x+6*x^2)/(x-1)/(-1+x+4*x^2)$  lgdogf  
A026569 3.52206  $[ \{(-n-4)*a(n+4)+(7+2*n)*a(n+3)+(9+3*n)*a(n+2)+(-10-4*n)*a(n+1), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 5\},$  ogf]  
A026581 16.4111  $1/4*(-1-x+(17*x^2+1+10*x)^{(1/2)})/(1+2*x)$  revogf  
A026581 17.1572  $[ -(2*x+1)/(4*x^2+x-1)$  ogf]  
A026581 18.7555  $(-3+8*x+8*x^2)/(2*x+1)/(-1+x+4*x^2)$  lgdogf  
A026581 9.41551  $[ \{a(n+2)-a(n+1)-4*a(n), a(0) = 1, a(1) = 3\},$  ogf]  
A026583 12.0640  $[ (2*x+1)/(x-1)/(4*x^2+x-1)$  ogf]  
A026583 12.5242  $-2*(-2-3*x+8*x^3+3*x^2)/(x-1)/(2*x+1)/(-1+x+4*x^2)$  lgdogf  
A026583 5.65835  $[ \{a(n+3)-2*a(n+2)-3*a(n+1)+4*a(n), a(0) = 1, a(1) = 4, a(2) = 11\},$  ogf]  
A026585 22.7529  $-2*x*(x-2)/(x-1)/(-1+x+4*x^2)$  lgdogf  
A026585 3.41855  $[ \{(n+4)*a(n+4)+(-2*n-6)*a(n+3)+(-10-3*n)*a(n+2)+(6+4*n)*a(n+1), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 2\},$  ogf]  
A026597 14.6617  $[ -(x+1)/(4*x^2+x-1)$  ogf]  
A026597 16.5756  $1/2/(1+4*x)*(-1-x+(17*x^2+1+6*x)^{(1/2)})$  revogf  
A026597 18.4699  $-2*(1+4*x+2*x^2)/(x+1)/(-1+x+4*x^2)$  lgdogf



A026597 8.04605 [  $\{-a(n+2)+a(n+1)+4a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A026599 12.8258 [  $(x+1)/(x-1)/(4x^2+x-1)$  ogf]  
A026599 14.4878  $-(-3-6x+8x^2+9x^3)/(x-1)/(x+1)/(-1+x+4x^2)$  lgdogf  
A026599 6.06937 [  $\{a(n+3)-2a(n+2)-3a(n+1)+4a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A026616 12.2632  $-(-x+2+(1-4x)^{1/2})/(x^2+3)(3+2x)/(4x-1)$  lgdogf  
A026616 3.68881 [  $\{(-8n^2+4n)a(n)+(-10n^2-30n-20)a(n+1)+(3n^2+9n+6)a(n+2), a(0) = 1, a(1) = 3\}$ , ogf]  
A026622 12.5530 [  $(x^3+x^2-x+1)/(2x-1)/(x-1)$  ogf]  
A026622 13.5257  $2*(1-x+x^4-3x^3+x^2)/(x-1)/(2x-1)/(x^3+x^2-x+1)$  lgdogf  
A026622 6.65857 [  $\{a(n+4)-3a(n+3)+2a(n+2), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12\}$ , ogf]  
A026624 13.1883  $-(-3+5x+7x^3-5x^2)/(x-1)/(2x-1)/(x^3+x^2-x+1)$  lgdogf  
A026624 4.96115 [  $\{a(n+4)-4a(n+3)+5a(n+2)-2a(n+1), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 20\}$ , ogf]  
A026624 9.56280 [  $-(x^3+x^2-x+1)/(2x-1)/(x-1)^2$  ogf]  
A026625 7.96806  $(1+2x-6x^5+x^4-2x^3+x^8+2x^7-6x^6+x^2)/(x-1)/(x+1)/(x^2+x-1)/(x^5+x^4+x^3-x^2+1)$  lgdogf  
A026625 9.09716 [  $(x^5+x^4+x^3-x^2+1)/(x-1)/(x+1)/(x^2+x-1)$  ogf]  
A026633 10.6960  $2*(1+x-x^5-3x^4+2x^3+x^6-3x^2)/(x-1)/(2x-1)/(x+1)/(1+x^4)$  lgdogf  
A026633 11.6876 [  $(x^4+1)/(x-1)/(2x-1)/(x+1)$  ogf]  
A026633 4.56297 [  $\{-a(n+5)+2a(n+4)+a(n+3)-2a(n+2), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 10, a(4) = 22\}$ , ogf]  
A026635 10.7801  $-(-3-x+3x^5+5x^4-4x^3+8x^2)/(x-1)/(2x-1)/(x+1)/(1+x^4)$  lgdogf  
A026635 12.1033 [  $-(x^4+1)/(x+1)/(2x-1)/(x-1)^2$  ogf]  
A026636 5.37528  $(1+2x-8x^5+2x^4-2x^3-8x^8-8x^7+5x^6+3x^2+2x^9+x^{12}+2x^{11}-4x^{10})/(x-1)/(x+1)/(x^2+1)/(x^2+x-1)/(x^7+x^5-x^4+x^3+1)$  lgdogf  
A026636 7.01927 [  $(x^7+x^5-x^4+x^3+1)/(x-1)/(x+1)/(x^2+1)/(x^2+x-1)$  ogf]  
A026638 3.70005 [  $\{(-24n^2-36n)a(n)+(-46n^2-78n-20)a(n+1)+(5n^2-7n-34)a(n+2)+(2n^2+10n+12)a(n+3), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A026641 13.4234  $1/2*(-1-7x+3*(1-2x+9x^2)^{1/2})*x/(-1+2x)^2$  revogf  
A026641 15.0214  $1/2/(x+2)*(-8x-7+3*(1-4x)^{1/2})/(4x-1)$  lgdogf  
A026641 4.23537 [  $\{(4n+10)a(n+1)+(7n+17)a(n+2)+(-2n-6)a(n+3), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A026642 3.34223 [  $\{(-4n^2-34n-72)a(n+1)+(-7n^2-59n-126)a(n+2)+(2n^2+18n+36)a(n+3), a(0) = 1, a(1) = 7, a(2) = 28\}$ , ogf]  
A026644 11.6192 [  $(2x^3-x^2+1)/(x-1)/(2x-1)/(x+1)$  ogf]  
A026644 14.5345  $-2*(-1+4x^3-x^2)/(x-1)/(2x-1)/(x+1)/(2x^3-x^2+1)$  lgdogf  
A026644 5.67854 [  $\{-a(n+4)+2a(n+3)+a(n+2)-2a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 10\}$ , ogf]  
A026646 10.6004  $-(2x^2-x+3)*(2x^3+x^2-1)/(x-1)/(2x-1)/(x+1)/(2x^3-x^2+1)$  lgdogf  
A026646 8.89903 [  $-(2x^3-x^2+1)/(x+1)/(2x-1)/(x-1)^2$  ogf]  
A026647 7.84158  $-(-1-2x+4x^5-4x^3+x^8+4x^7+8x^6+2x^9)/(x-1)/(x+1)/(x^2+x-1)/(x^6+x^5+1)/(x^2+1)$  lgdogf  
A026647 8.40579 [  $(x^6+x^5+1)/(x-1)/(x+1)/(x^2+1)/(x^2+x-1)$  ogf]  
A026655 8.78643  $-2*(1+5x+2x^5+2x^4+4x^3+2x^6+7x^2)/(2x+1)/(x^2+1)/(2x^4+4x^2-1)$  lgdogf  
A026655 9.94197 [  $-(2x+1)*(x^2+1)/(2x^4+4x^2-1)$  ogf]  
A026657 7.24960  $-(-3-10x+12x^5+10x^4+12x^3+8x^7+2x^6-x^2)/(x-1)/(2x+1)/(x^2+1)/(2x^4+4x^2-1)$  lgdogf  
A026657 7.40806 [  $(2x+1)*(x^2+1)/(x-1)/(2x^4+4x^2-1)$  ogf]  
A026658 5.13460  $-(8x^3+9x^4+4x^5+14x^8+15x^8+10x^6+8x^5+2+10x^9-4x^{11}+2x^{13}-6x^{12}-2x^{10}+1)/(x^4-3x^3+x^2-1)/(x^2+x+1)/(x^8-4x^6-x^4-2x^2+1)$  lgdogf  
A026658 7.24093 [  $-(x^2+x+1)*(x^4-3x^3+x^2-1)/(x^8-4x^6-x^4-2x^2+1)$  ogf]  
A026671 10.6994  $(2-7x-4x^2+(-(4x-1)*(2x-1)^2)^{1/2})/(4x-1)/(x^2+4x-1)$

lgdogf  
 A026671 17.8324  $(-2*x+(5*x^2+1+2*x)^(1/2))*x/(1+x)^2$  revogf  
 A026671 3.24098  $[ \{ (-4*n-10)*a(n+1)+(-15*n-36)*a(n+2)+(8*n+26)*a(n+3)+(-n-4)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 11, a(3) = 43 \},$  ogf]  
 A026673 13.1952  $28+9*x+(-4+20*x+6*x^2)*f(x)+(4*x^2+x^3-x)*f(x)^2$  lgdogf  
 A026674 8.54359  
 $1/2*((1+5*x)^(1/2)*(1+x)^(1/2)+2*(1+5*x)^(1/2)*(1+x)^(1/2)*x-1-5*x-4*x^2)/x^2$   
 revogf  
 A026675 8.43193  $-18+66*x+25*x^2+(3-28*x+20*x^3+59*x^2)*f(x)+(-8*x^2+4*x^4+15*x^3+x)*f(x)^2$  lgdogf  
 A026727 8.13986  $-3*(-9+168*x+1408*x^3-932*x^2)/(6*x-1)/(2*x-1)/(11*x-1)/(8*x-1)$   
 lgdogf  
 A026727 9.19551  $[ 1/(6*x-1)/(2*x-1)/(11*x-1)/(8*x-1)$  ogf]  
 A026730 16.2437  $[-x^{11}+2*x^7-x^5+x^3-x^2+x+1$  ogf\_with\_Euler\_transform]  
 A026730 5.76102  $[ x*(x^4-x^2+1)*(x^2-x+1)^2*(x^2+x+1)^3/(x-1)^2/(x+1)^2/(x^2+1)^2/(x^4+1)^2$  ogf]  
 A026737 10.2227  $-1/2*(-1-5*x+4*x^2+((5*x^2-2*x+1)*(-1+2*x)^2)^(1/2))/(x+2)^2$   
 revogf  
 A026738 8.27477  $-4*(-7+134*x+1152*x^3-756*x^2)/(12*x-1)/(6*x-1)/(2*x-1)/(8*x-1)$   
 lgdogf  
 A026738 9.18350  $[ 1/(12*x-1)/(6*x-1)/(2*x-1)/(8*x-1)$  ogf]  
 A026740 13.0661  $[ -4*x^2/(8*x-1)/(2*x-1)/(4*x-1)$  ogf]  
 A026740 14.7877  $-2*(7-56*x+96*x^2)/(8*x-1)/(2*x-1)/(4*x-1)$  lgdogf  
 A026740 5.55019  $[ \{ a(n+3)-14*a(n+2)+56*a(n+1)-64*a(n), a(0) = 0, a(1) = 0, a(2) = 4 \},$  ogf]  
 A026741 15.5238  $[ x*(x^2+x+1)/(x+1)^2/(x-1)^2$  ogf]  
 A026741 22.2362  $-(1+6*x+2*x^3+3*x^2)/(x-1)/(x+1)/(1+x^2+x)$  lgdogf  
 A026741 37.7640  $[-x^2+2*x+1$  ogf\_with\_Euler\_transform]  
 A026741 8.23436  $[ \{ (n+3)*a(n+1)+(-n-1)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 1 \},$  ogf]  
 A026748 10.3783  $1/2*(-5*x-5*x^2+((1+x)*(4*x^2+x+1)*(x+2)^2)^(1/2))*x/(x^2-x-1)^2$   
 revogf  
 A026770 8.77937  $1/2*(-x^3+5*x^2-5*x+((x^4-6*x^3+7*x^2-2*x+1)*(x-2)^2)^(1/2))*x/(x-1)^2$  revogf  
 A026781 8.30165  $1/2*(-x^3-5*x^2-5*x+((x^4+6*x^3+7*x^2+2*x+1)*(x+2)^2)^(1/2))*x/(1+x)^2$  revogf  
 A026795 8.01267  $-(-27+508*x+4320*x^3-2844*x^2)/(6*x-1)/(-1+9*x)/(2*x-1)/(10*x-1)$   
 lgdogf  
 A026795 9.19551  $[ 1/(6*x-1)/(9*x-1)/(2*x-1)/(10*x-1)$  ogf]  
 A026796 28.0387  $[-x^2/(x-1)$  ogf\_with\_Euler\_transform]  
 A026797 25.0113  $[-x^3/(x-1)$  ogf\_with\_Euler\_transform]  
 A026799 15.6736  $[ 8*x^5/(8+(-8*O(1)+15)*x^58-8*x)$  ogf\_with\_Euler\_transform]  
 A026802 31.6988  $[-x^8/(x-1)$  ogf\_with\_Euler\_transform]  
 A026803 31.9734  $[-x^9/(x-1)$  ogf\_with\_Euler\_transform]  
 A026806 11.1889  $-(-2-4*x+4*x^5-2*x^4-6*x^3+x^7+3*x^6-6*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^4+x^3-2*x-1)$  lgdogf  
 A026806 12.6585  $[ -(x^4+x^3-2*x-1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
 A026809 5.06103  $[ \{ a(n+3)-39*a(n+2)+351*a(n+1)-729*a(n), a(0) = 0, a(1) = 1, a(2) = 84 \},$  ogf]  
 A026809 8.58296  $-6*(14-117*x+10935*x^3-2268*x^2)/(-1+3*x)/(-1+9*x)/(27*x-1)/(45*x+1)$  lgdogf  
 A026809 9.39906  $[ -x*(45*x+1)/(3*x-1)/(27*x-1)/(9*x-1)$  ogf]  
 A026810 12.4274  $[ x^4/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
 A026810 13.2292  $-(2*x^2+x+1)*(5*x^3+3*x^2+3*x+1)/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)$   
 lgdogf  
 A026810 24.7484  $[ x^3+x^2+x+1$  ogf\_with\_Euler\_transform]  
 A026811 20.2321  $[ x^4+x^3+x^2+x+1$  ogf\_with\_Euler\_transform]  
 A026811 7.64447  $[ -x^5/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^5$  ogf]  
 A026811 8.05070  $-(3*x^4+2*x^3+3*x^2+x+1)*(5*x^5+7*x^4+7*x^3+6*x^2+4*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(1+x^2)$  lgdogf  
 A026812 6.33717  $[ x^6/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x^2+x+1)^2/(x+1)^3/$

$(x-1)^6$  ogf]  
A026817 14.7798 [  $-(5*x+6)/(x-1)^3$  ogf]  
A026817 32.0079  $-(23+10*x)/(5*x+6)/(x-1)$  lgdogf  
A026817 6.87129 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 6, a(1) = 23, a(2) = 51\}$ , ogf]  
A026823 3.44477 [  $-(-x^5+x^3+x^2)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A026824 15.7296 [  $-(-x^7+x^4+x^3)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A026825 15.8222 [  $-(x^9-x^5-x^4)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A026826 14.8698 [  $-(-x^{11}+x^6+x^5)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A026831 14.5422 [  $-(x^{21}-x^{11}-x^{10})/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A026834 5.25046  $(1+x^9+5*x-8*x^5+2*x^4+11*x^3+x^8-2*x^7-8*x^6+9*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^6+x^5-x^2-x-1)$  lgdogf  
A026834 6.16226 [  $-(x^6+x^5-x^2-x-1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A026841 8.06882  $-88+331*x+100*x^2+(8-68*x+40*x^3+134*x^2)*f(x)+(-8*x^2+4*x^4+15*x^3+x)*f(x)^2$  lgdogf  
A026842 8.66385  $-54+201*x+64*x^2+(6-52*x+32*x^3+104*x^2)*f(x)+(-8*x^2+4*x^4+15*x^3+x)*f(x)^2$  lgdogf  
A026843 8.61215  $-40+148*x+49*x^2+(5-44*x+28*x^3+89*x^2)*f(x)+(-8*x^2+4*x^4+15*x^3+x)*f(x)^2$  lgdogf  
A026844 8.74637  $-70+262*x+81*x^2+(7-60*x+36*x^3+119*x^2)*f(x)+(-8*x^2+4*x^4+15*x^3+x)*f(x)^2$  lgdogf  
A026846 8.66385  $-54+201*x+64*x^2+(6-52*x+32*x^3+104*x^2)*f(x)+(-8*x^2+4*x^4+15*x^3+x)*f(x)^2$  lgdogf  
A026848 8.06882  $-88+331*x+100*x^2+(8-68*x+40*x^3+134*x^2)*f(x)+(-8*x^2+4*x^4+15*x^3+x)*f(x)^2$  lgdogf  
A026849 8.66385  $-54+201*x+64*x^2+(6-52*x+32*x^3+104*x^2)*f(x)+(-8*x^2+4*x^4+15*x^3+x)*f(x)^2$  lgdogf  
A026915 12.5242  $-2*(-13-9*x+x^3+45*x^2)/(x-1)/(2*x-1)/(x^2+22*x+1)$  lgdogf  
A026915 12.5625 [  $-(x^2+22*x+1)/(2*x-1)/(x-1)^2$  ogf]  
A026915 6.77283 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 26, a(2) = 100\}$ , ogf]  
A026917 10.7754 [  $(x^2+22*x+1)/(2*x-1)/(x-1)^3$  ogf]  
A026917 12.4228  $-(-27-38*x+4*x^3+133*x^2)/(x-1)/(2*x-1)/(x^2+22*x+1)$  lgdogf  
A026918 5.94384  $-(-13-56*x+126*x^5+138*x^4+24*x^3+2*x^7+37*x^6-54*x^2)/(x-1)/(x+1)/(x^2+x-1)/(x^4+12*x^3+25*x^2+12*x+1)$  lgdogf  
A026918 6.01751 [  $-(x^4+12*x^3+25*x^2+12*x+1)/(x^2+x-1)/(x+1)^2/(x-1)^2$  ogf]  
A026922 14.1693 [  $x*(x^2-x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A026922 16.2891  $-x*(2+3*x^4-3*x^3+5*x^2+x)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)$  lgdogf  
A026922 24.8227 [  $-x^5+x^3+x^2+x$  ogf\_with\_Euler\_transform]  
A026923 5.34311  $-x*(2+21*x^4-x^3+11*x^2-7*x^7+26*x^6-6*x^5+x+17*x^8+x^9+7*x^{10})/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^2-x+1)$  lgdogf  
A026923 5.66803 [  $-x^2*(x^4+x^2-x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x+1)^2/(x-1)^3$  ogf]  
A026924 4.40557 [  $x^3*(x^6-2*x^5+2*x^4-x^3+2*x^2-2*x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+1)/(x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A026927 5.16153 [  $-x^3*(x^4-x^3+x^2+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x+1)^2/(x-1)^3$  ogf]  
A026928 13.3201 [  $-x^9+x^7+x^5+x^4+x+1$  ogf\_with\_Euler\_transform]  
A026928 4.52349 [  $x^4*(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+1)/(x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A026933 24.1904  $-2*(-1-4*x+x^2)/(x+1)/(x^2-6*x+1)$  lgdogf  
A026933 4.05579 [  $\{(-n-4)*a(n+4)+(17+5*n)*a(n+3)+(18+5*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 11, a(3) = 52\}$ , ogf]  
A026937 10.7520 [  $-(x-1)/(x^2+2*x-1)^2$  ogf]  
A026937 19.4754  $-(-3-2*x+3*x^2)/(x-1)/(x^2+2*x-1)$  lgdogf  
A026937 3.43388 [  $\{(n+4)*a(n+4)+(-12-3*n)*a(n+3)+n*a(n+2)+(n+4)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 10, a(3) = 30\}$ , ogf]  
A026945 18.0826  $-x*(x-1)*(-1+2*x)^2/(1-3*x+3*x^2)$  revogf  
A026950 11.3521 [  $-(5*x^3-3*x-1)/(5*x^2-1)^2$  ogf]  
A026950 13.3968  $-(-3-20*x+25*x^4-30*x^2)/(5*x^2-1)/(-1+5*x^3-3*x)$  lgdogf  
A026950 5.67603 [  $\{(-5*n-25)*a(n+1)+(n+3)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 10\}$ ,

ogf]  
 A026955 10.9567  $(-3-16*x+25*x^4-30*x^2)/(5*x^2-1)/(5*x^4-5*x^3-2*x^2+3*x+1)$   
 lgdogf  
 A026955 8.79701  $[(5*x^4-5*x^3-2*x^2+3*x+1)/(5*x^2-1)^2 \text{ ogf}]$   
 A026960 7.12936  $(3-7*x-27*x^5+45*x^4-27*x^3+6*x^6+9*x^2)/(x-1)/(2*x-1)/$   
 $(3*x^5-4*x^4-3*x^3+5*x^2-3*x+1) \text{ lgdogf}$   
 A026960 8.06084  $[(3*x^5-4*x^4-3*x^3+5*x^2-3*x+1)/(2*x-1)^2/(x-1)^2 \text{ ogf}]$   
 A026965 5.62193  $(3+2*x+24*x^5-38*x^4+24*x^3-9*x^8-16*x^7+30*x^6-18*x^2+6*x^9)/$   
 $(x-1)/(2*x-1)/(x+1)/(3*x^7-2*x^6-5*x^5+3*x^4-x^3-x+1) \text{ lgdogf}$   
 A026965 5.64095  $[(3*x^7-2*x^6-5*x^5+3*x^4-x^3-x+1)/(x-1)^2/(2*x-1)^2/(x+1)^2$   
 ogf]  
 A026970 5.61217  $[(4*x^6-4*x^5-7*x^4+7*x^3-2*x^2-x+1)/(x-1)^2/(2*x-1)^2/(x+1)^2$   
 ogf]  
 A026970 7.22645  $(3-2*x+6*x^5+31*x^4-36*x^3+6*x^2)/(x-1)/(2*x-1)/(x+1)/$   
 $(4*x^6-4*x^5-7*x^4+7*x^3-2*x^2-x+1) \text{ lgdogf}$   
 A026975 5.28069 -  
 $(-3-20*x-24*x^5+4*x^4-24*x^3+36*x^8+16*x^7-36*x^6-39*x^2+4*x^{10})/$   
 $(2*x^4+4*x^2-1)/(2*x^7+10*x^5+2*x^4-x^3-2*x^2-3*x-1) \text{ lgdogf}$   
 A026975 5.89306  $[-(2*x^7+10*x^5+2*x^4-x^3-2*x^2-3*x-1)/(2*x^4+4*x^2-1)^2 \text{ ogf}]$   
 A027000 10.5100  $-(-13+9*x+6*x^4-33*x^3+43*x^2)/(x-1)/(x^2-3*x+1)/(3*x^2-8*x-1)$   
 lgdogf  
 A027000 9.63264  $[-(3*x^2-8*x-1)/(x^2-3*x+1)/(x-1)^2 \text{ ogf}]$   
 A027001 5.93489  $-(-26-62*x+21*x^5-79*x^4-31*x^3+273*x^2)/(x-1)/(x+1)/(x^2-3*x$   
 $+1)/(7*x^2-18*x-1) \text{ lgdogf}$   
 A027001 7.41384  $[-(x+1)*(7*x^2-18*x-1)/(x^2-3*x+1)/(x-1)^4 \text{ ogf}]$   
 A027002 5.87124  $[-(11*x^4+6*x^3-78*x^2-34*x-1)/(x^2-3*x+1)/(x-1)^6 \text{ ogf}]$   
 A027004 12.8620  $[(2*x^2-4*x-1)/(x-1)/(x^2-3*x+1) \text{ ogf}]$   
 A027004 6.94319  $[{-a(n+3)+4*a(n+2)-4*a(n+1)+a(n), a(0) = 1, a(1) = 8, a(2) =$   
 $26}, \text{ ogf}]$   
 A027004 9.44205  $-(-8+12*x+2*x^4-8*x^3+5*x^2)/(x-1)/(x^2-3*x+1)/(2*x^2-4*x-1)$   
 lgdogf  
 A027005 6.30344  $-(-19-12*x+4*x^5-4*x^4-64*x^3+131*x^2)/(x-1)/(x^2-3*x+1)/$   
 $(2*x^3-13*x-1) \text{ lgdogf}$   
 A027005 9.39315  $[(2*x^3-13*x-1)/(x^2-3*x+1)/(x-1)^3 \text{ ogf}]$   
 A027006 6.54428  $[(2*x^4+12*x^3-35*x^2-26*x-1)/(x^2-3*x+1)/(x-1)^5 \text{ ogf}]$   
 A027007 3.00333  $[(2*x^5+32*x^4-35*x^3-147*x^2-43*x-1)/(x^2-3*x+1)/(x-1)^7 \text{ ogf}]$   
 A027009 6.24643  $-(-1-14*x+4*x^5-4*x^4-4*x^3+4*x^8+4*x^7-13*x^6+32*x^2)/(2*x-1)/$   
 $(x^2+x-1)/(x^2-x-1)/(2*x^4+x^3-4*x^2+x-1) \text{ lgdogf}$   
 A027009 7.13155  $[(2*x^4+x^3-4*x^2+x-1)/(2*x-1)/(x^2+x-1)/(x^2-x-1) \text{ ogf}]$   
 A027010 8.23936  $-(-1+2*x+4*x^5+2*x^4-12*x^3+4*x^7-7*x^6+4*x^2)/(x-1)/(2*x^3-$   
 $x^2+1)/(x^4-x^3-2*x^2+1) \text{ lgdogf}$   
 A027010 8.62243  $[-(2*x^3-x^2+1)/(x-1)/(x^4-x^3-2*x^2+1) \text{ ogf}]$   
 A027012 7.24432  $[(x^5-6*x^4+18*x^3-24*x^2-1)/(x^2-3*x+1)/(x-1)^3 \text{ ogf}]$   
 A027012 8.55349  $-(-6-34*x+10*x^5-43*x^4+12*x^3+97*x^2)/(x-1)/(x^2-3*x+1)/$   
 $(x^5-6*x^4+18*x^3-24*x^2-1) \text{ lgdogf}$   
 A027013 5.37468  $[(x^7-8*x^6+26*x^5-36*x^4+39*x^3-69*x^2-1)/(x^2-3*x+1)/(x-1)^5$   
 ogf]  
 A027014 4.04109  $[(x^9-10*x^8+43*x^7-105*x^6+174*x^5-134*x^4-14*x^3-146*x^2-1)/$   
 $(x^2-3*x+1)/(x-1)^7 \text{ ogf}]$   
 A027016 8.54151  $(-5-11*x+2*x^5-4*x^4-20*x^3+50*x^2)/(x-1)/(x^4-7*x^3+11*x^2+1)/$   
 $(x^2-3*x+1) \text{ lgdogf}$   
 A027016 9.14323  $[(x^4-7*x^3+11*x^2+1)/(x^2-3*x+1)/(x-1)^2 \text{ ogf}]$   
 A027017 6.39781  $[(x^6-7*x^5+17*x^4-31*x^3+43*x^2+1)/(x^2-3*x+1)/(x-1)^4 \text{ ogf}]$   
 A027018 4.92892  $[(x^8-9*x^7+34*x^6-73*x^5+69*x^4-30*x^3+103*x^2+1)/(x^2-3*x+1)/$   
 $(x-1)^6 \text{ ogf}]$   
 A027021 5.99848  $[-(4*x^6-10*x^4+x^3+x-1)/(x-1)/(2*x-1)/(x+1)/(x^2+x-1)/(x^2-$   
 $x-1) \text{ ogf}]$   
 A027022 5.84777  $-(-3-8*x+6*x^5+22*x^4+10*x^3+8*x^8-10*x^7-22*x^6-3*x^2+2*x^9)/$   
 $(x-1)/(x+1)/(x^4-x^3-2*x^2+1)/(x^4+3*x^3-x^2-3*x-1) \text{ lgdogf}$   
 A027022 8.06230  $[(x^4+3*x^3-x^2-3*x-1)/(x-1)/(x+1)/(x^4-x^3-2*x^2+1) \text{ ogf}]$   
 A027024 10.9212  $[(x+1)^3/(x-1)/(x^3+x^2+x-1) \text{ ogf}]$

A027024 14.4991  $-( -5+4*x+x^4+4*x^3)/(x-1)/(x+1)/(x^3+x^2+x-1)$  lgdogf  
A027025 8.56926  $-(x+1)*(3*x^6-3*x^4-16*x^3-11*x^2+11)/(x-1)/(3*x^4-2*x^2-8*x-1)/(x^3+x^2+x-1)$  lgdogf  
A027025 8.74595  $[(3*x^4-2*x^2-8*x-1)/(x^3+x^2+x-1)/(x-1)^2$  ogf]  
A027026 5.92284  $-( -25-20*x-28*x^5+28*x^4+52*x^3+5*x^8-4*x^7-10*x^6+50*x^2)/(x-1)/(x^3+x^2+x-1)/(5*x^5-7*x^4-2*x^3-10*x^2+21*x+1)$  lgdogf  
A027026 6.09754  $[(5*x^5-7*x^4-2*x^3-10*x^2+21*x+1)/(x^3+x^2+x-1)/(x-1)^3$  ogf]  
A027053 12.9475  $[(x+1)^2/(x-1)/(x^3+x^2+x-1)$  ogf]  
A027053 14.9412  $-2*(-2+x+x^4+2*x^3)/(x-1)/(x+1)/(x^3+x^2+x-1)$  lgdogf  
A027054 7.72273  $[(2*x^4+x^3-x^2-5*x-1)/(x^3+x^2+x-1)/(x-1)^2$  ogf]  
A027054 8.03533  $-2*(x+1)*(x^6+x^5-x^4-4*x^3-4*x^2-x+4)/(x-1)/(x^3+x^2+x-1)/(2*x^4+x^3-x^2-5*x-1)$  lgdogf  
A027055 6.03053  $[(4*x^5-5*x^4-2*x^3-8*x^2+14*x+1)/(x^3+x^2+x-1)/(x-1)^3$  ogf]  
A027055 6.07373  $-2*(-9-5*x-11*x^5+5*x^4+17*x^3+2*x^8-x^7-4*x^6+18*x^2)/(x-1)/(x^3+x^2+x-1)/(4*x^5-5*x^4-2*x^3-8*x^2+14*x+1)$  lgdogf  
A027083 10.3565  $-( -3-2*x+2*x^5+3*x^4+4*x^3+2*x^2)/(x-1)/(x^2+x+1)/(x^3+x^2+x-1)$  lgdogf  
A027083 12.5697  $[2*(x^2+x+1)/(x-1)/(x^3+x^2+x-1)$  ogf]  
A027084 10.5072  $-( -3-2*x+2*x^5+3*x^4+4*x^3+2*x^2)/(x-1)/(x^2+x+1)/(x^3+x^2+x-1)$  lgdogf  
A027084 12.7513  $[(x^2+x+1)/(x-1)/(x^3+x^2+x-1)$  ogf]  
A027085 8.74595  $[(x^3-x^2-x-5)/(x^3+x^2+x-1)/(x-1)^2$  ogf]  
A027085 9.56279  $-2*(8-x-x^5-2*x^4-12*x^3+x^6-5*x^2)/(x-1)/(x^3-x^2-x-5)/(x^3+x^2+x-1)$  lgdogf  
A027086 6.62932  $-( -41+30*x-6*x^5-15*x^4+44*x^3+4*x^7-5*x^6+25*x^2)/(x-1)/(x^3+x^2+x-1)/(2*x^4-3*x^3-x^2-3*x+11)$  lgdogf  
A027086 7.60865  $[(2*x^4-3*x^3-x^2-3*x+11)/(x^3+x^2+x-1)/(x-1)^3$  ogf]  
A027107 11.7216  $[-(x^2-2*x-1)/(3*x-1)/(x-1)$  ogf]  
A027107 14.8383  $2*(-3+4*x+x^2)/(x-1)/(-1+3*x)/(x^2-2*x-1)$  lgdogf  
A027107 6.03150  $[{-a(n+3)+4*a(n+2)-3*a(n+1), a(0) = 1, a(1) = 6, a(2) = 20},$  ogf]  
A027114 12.7641  $[(2*x^2+3*x+3)/(x-1)/(x^3+x^2+x-1)$  ogf]  
A027114 9.74647  $-( -9-4*x+4*x^5+9*x^4+12*x^3+4*x^2)/(x-1)/(2*x^2+3*x+3)/(x^3+x^2+x-1)$  lgdogf  
A027116 8.22146  $-(23-3*x-x^5-7*x^4-32*x^3+4*x^6-16*x^2)/(x-1)/(x^3+x^2+x-1)/(2*x^3-x^2-2*x-7)$  lgdogf  
A027116 8.39639  $[(2*x^3-x^2-2*x-7)/(x^3+x^2+x-1)/(x-1)^2$  ogf]  
A027117 6.43572  $[(3*x^4-5*x^3-x^2-5*x+16)/(x^3+x^2+x-1)/(x-1)^3$  ogf]  
A027117 6.76963  $-( -59+44*x-8*x^5-25*x^4+62*x^3+6*x^7-9*x^6+37*x^2)/(x-1)/(x^3+x^2+x-1)/(3*x^4-5*x^3-x^2-5*x+16)$  lgdogf  
A027138 10.6995  $[-(x^3-2*x^2+2*x+1)/(3*x-1)/(x-1)^2$  ogf]  
A027138 11.6608  $-( -7+11*x+x^3+3*x^2)/(x-1)/(-1+3*x)/(x^3-2*x^2+2*x+1)$  lgdogf  
A027138 5.50946  $[{a(n+4)-5*a(n+3)+7*a(n+2)-3*a(n+1), a(0) = 1, a(1) = 7, a(2) = 26, a(3) = 85},$  ogf]  
A027151 11.8257  $[-(3*x+1)*(x^2+1)/(3*x^4+6*x^2-1)$  ogf]  
A027151 8.94673  $-(3+14*x+6*x^5+9*x^4+12*x^3+9*x^6+27*x^2)/(3*x+1)/(x^2+1)/(3*x^4+6*x^2-1)$  lgdogf  
A027153 7.48349  $[(3*x+1)*(x^2+1)/(x-1)/(3*x^4+6*x^2-1)$  ogf]  
A027153 7.69029  $-2*(-2-7*x+15*x^5+6*x^4+15*x^3+9*x^7-4*x^2)/(x-1)/(3*x+1)/(x^2+1)/(3*x^4+6*x^2-1)$  lgdogf  
A027154 6.06941  $-(1+6*x+30*x^5+13*x^4+12*x^3+30*x^8+16*x^7+17*x^6+11*x^2+8*x^10)/(x^2+1)/(2*x^3+x+1)/(4*x^6+3*x^4+2*x^2-1)$  lgdogf  
A027154 8.11536  $[-(x^2+1)*(2*x^3+x+1)/(4*x^6+3*x^4+2*x^2-1)$  ogf]  
A027164 8.17539  $[(x+1)^2/(x-1)/(3*x^4+6*x^2-1)$  ogf]  
A027164 9.78289  $-( -3-11*x+9*x^5+9*x^4-6*x^3+18*x^2)/(x-1)/(x+1)/(3*x^4+6*x^2-1)$  lgdogf  
A027166 11.1596  $-4*(-1-3*x+3*x^5+3*x^4+6*x^2)/(x-1)/(x+1)/(3*x^4+6*x^2-1)$  lgdogf  
A027166 8.73149  $[-(x+1)^2/(3*x^4+6*x^2-1)/(x-1)^2$  ogf]  
A027167 6.23434  $-( -2-2*x-32*x^5+24*x^4-13*x^3-4*x^8-5*x^7+35*x^6+3*x^2+12*x^9)/(x-1)/(x+1)/(x^2-x+1)/(4*x^6+3*x^4+2*x^2-1)$  lgdogf

A027167 6.68145 [  $(x^2-x+1)*(x+1)^2/(x-1)/(4*x^6+3*x^4+2*x^2-1)$  ogf]  
A027178 10.7643 [  $-(x+1)^2/(2*x-1)/(x-1)^2$  ogf]  
A027178 18.3758  $-2*(-3+4*x+x^2)/(x-1)/(2*x-1)/(x+1)$  lgdogf  
A027178 5.81083 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 6, a(2) = 20\}$ , ogf]  
A027180 11.1978 [  $(x+1)^2/(2*x-1)/(x-1)^3$  ogf]  
A027180 17.8035  $-(-7+9*x+4*x^2)/(x-1)/(2*x-1)/(x+1)$  lgdogf  
A027180 3.88265 [  $\{(n+4)*a(n+4)+(-13-2*n)*a(n+3)+(7-n)*a(n+2)+(6+2*n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 27, a(3) = 79\}$ , ogf]  
A027181 11.9634 [  $-(x^2+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A027181 16.2402  $-(-3-x+2*x^4+x^3+5*x^2)/(x-1)/(x^2+1)/(x^2+x-1)$  lgdogf  
A027181 4.29627 [  $\{(-n-4)*a(n+1)-a(n+2)+(2*n+7)*a(n+3)+(-n-3)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 17\}$ , ogf]  
A027261 11.3662  $6*(-1+3*x+9*x^3-9*x^2)/(-1+3*x)/(18*x^3-9*x^2+1)$  lgdogf  
A027261 4.81135 [  $\{-a(n+4)+6*a(n+3)-9*a(n+2), a(0) = 1, a(1) = 6, a(2) = 18, a(3) = 72\}$ , ogf]  
A027261 9.62271 [  $(18*x^3-9*x^2+1)/(3*x-1)^2$  ogf]  
A027266 10.8235 [  $(6*x^2+6*x+1)/(6*x^2-1)^2$  ogf]  
A027266 13.0324  $-6*(1+6*x+12*x^3+18*x^2)/(6*x^2-1)/(1+6*x^2+6*x)$  lgdogf  
A027266 5.41176 [  $\{(6*n+24)*a(n+1)+(-n-2)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 18\}$ , ogf]  
A027271 10.7683 [  $(6*x^2+4*x+1)/(6*x^2-1)^2$  ogf]  
A027271 12.9645  $-4*(1+9*x+18*x^3+18*x^2)/(6*x^2-1)/(1+6*x^2+4*x)$  lgdogf  
A027271 5.38415 [  $\{(6*n+24)*a(n+1)+(-n-2)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 18\}$ , ogf]  
A027276 11.4922  $6*(1+9*x+18*x^3+18*x^2)/(6*x^2-1)/(18*x^4-15*x^2-6*x-1)$  lgdogf  
A027276 5.86458 [  $\{(-6*n-18)*a(n)+(n+1)*a(n+2), a(0) = 1, a(1) = 6, a(2) = 27\}$ , ogf]  
A027276 9.34933 [  $-(18*x^4-15*x^2-6*x-1)/(6*x^2-1)^2$  ogf]  
A027281 12.6491  $-2*(3+12*x+8*x^3+24*x^2)/(1+2*x^2+4*x)/(-1+x+4*x^2)$  lgdogf  
A027281 3.71828 [  $\{(4*n^2+28*n+48)*a(n+1)+(n^2+6*n+8)*a(n+2)+(-n^2-5*n-6)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 21\}$ , ogf]  
A027281 9.40194 [  $(2*x^2+4*x+1)/(4*x^2+x-1)^2$  ogf]  
A027286 13.0324  $-4*(1+6*x+6*x^3+6*x^2)/(-1+x+4*x^2)/(1+3*x^2+2*x)$  lgdogf  
A027286 3.68147 [  $\{(-4*n^2-28*n-48)*a(n+1)+(-n^2-6*n-8)*a(n+2)+(n^2+5*n+6)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 18\}$ , ogf]  
A027286 9.30886 [  $(3*x^2+2*x+1)/(4*x^2+x-1)^2$  ogf]  
A027306 3.62013 [  $\{(8*n+16)*a(n+1)+(-4*n-12)*a(n+2)+(-2*n-6)*a(n+3)+(n+4)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 4\}$ , ogf]  
A027307 19.2725  $1/2*(-x+1+(1-6*x+x^2)^(1/2))*x$  revogf  
A027313 13.9485 [  $-(9*x^2+3*x+1)/(3*x-1)$  ogf]  
A027313 15.7643  $3*(-2-6*x+9*x^2)/(-1+3*x)/(9*x^2+3*x+1)$  lgdogf  
A027313 7.38449 [  $\{-a(n+3)+3*a(n+2), a(0) = 1, a(1) = 6, a(2) = 27\}$ , ogf]  
A027319 8.60473  $(3-11*x+972*x^5-972*x^4+291*x^3-3*x^2)/(-1+3*x)/(108*x^5-72*x^4+x^3+x^2+3*x-1)$  lgdogf  
A027319 9.26955 [  $-(108*x^5-72*x^4+x^3+x^2+3*x-1)/(3*x-1)^2$  ogf]  
A027327 14.6812 [  $-(3*x^2+1)/(3*x-1)$  ogf]  
A027327 17.3251  $3*(3*x+1)*(x-1)/(-1+3*x)/(3*x^2+1)$  lgdogf  
A027327 7.08154 [  $\{-a(n+3)+3*a(n+2), a(0) = 1, a(1) = 3, a(2) = 12\}$ , ogf]  
A027334 14.9953 [  $-(9*x^2+1)/(3*x-1)$  ogf]  
A027334 17.1980  $3*(-6*x-1+9*x^2)/(-1+3*x)/(9*x^2+1)$  lgdogf  
A027334 7.23301 [  $\{-a(n+3)+3*a(n+2), a(0) = 1, a(1) = 3, a(2) = 18\}$ , ogf]  
A027336 18.2483 [  $-(x^2-x+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A027337 17.1558 [  $-(-x^3+x^2-1)/(-x+1)$  ogf\_with\_Euler\_transform]  
A027338 16.2649 [  $-(x^4-x^3+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A027339 16.0178 [  $-(-x^5+x^4-1)/(-x+1)$  ogf\_with\_Euler\_transform]  
A027340 16.0959 [  $-(x^6-x^5+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A027341 16.1740 [  $-(-x^7+x^6-1)/(-x+1)$  ogf\_with\_Euler\_transform]  
A027342 16.1740 [  $-(x^8-x^7+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A027343 15.1368 [  $-(-x^9+x^8-1)/(-x+1)$  ogf\_with\_Euler\_transform]  
A027344 14.8340 [  $-(x^{10}-x^9+1)/(x-1)$  ogf\_with\_Euler\_transform]

A027346 10.4657  $[-(3*x^2+3*x+3)/(-x^4+2*x^2-1)$  ogf\_with\_Euler\_transform]  
A027349 14.0394  $[-(x^5-x^4-x^2)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A027350 13.2802  $[-(x^9-x^6-x^4)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A027351 12.6547  $[-(x^{13}-x^8-x^6)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A027352 12.1840  $[-(-x^{17}+x^{10}+x^8)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A027353 11.3606  $[-(x^{21}-x^{12}-x^{10})/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A027378 17.1486  $-(-4-2*x+x^3+x^2)/(x-1)/(x^3-x^2-1)$  lgdogf  
A027378 8.42127  $[-(x^3-x^2-1)/(x-1)^4$  ogf]  
A027379 19.1487  $-(-3-2*x+2*x^2)/(x-1)/(x^3-x^2-1)$  lgdogf  
A027379 4.86565  $[{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 12}],$  ogf]  
A027379 9.95588  $[(x^3-x^2-1)/(x-1)^3$  ogf]  
A027382 11.3120  $-2*(2-3*x+12*x^4+49*x^3)/(x-1)/(24*x^4+x^3-x^2-x+1)$  lgdogf  
A027382 6.15256  $[-(24*x^4+x^3-x^2-x+1)/(x-1)^5$  ogf]  
A027383 14.5039  $[(x+1)/(x-1)/(2*x^2-1)$  ogf]  
A027383 16.7523  $-2*(-1-2*x+2*x^3+2*x^2)/(x-1)/(x+1)/(2*x^2-1)$  lgdogf  
A027383 6.86347  $[{a(n+3)-a(n+2)-2*a(n+1)+2*a(n), a(0) = 1, a(1) = 2, a(2) = 4}],$  ogf]  
A027390 18.8038  $9+9*x+3*x^2+(-6-3*x-x^2)*f(x)+f(x)^2$  lgdegf  
A027390 3.96151  $[{(n^2+5*n+6)*a(n+1)+(3*n+9)*a(n+2)-a(n+4)+3*a(n+3), a(0) = 1, a(1) = 3, a(2) = 12, a(3) = 56}],$  ogf]  
A027391 28.3936  $(x+2)*(x^2+2*x+2)$  lgdegf  
A027392 11.5615  $-a(n+5), a(0)=5, a(1)=10, a(2)=10, a(3)=5, a(4)=1$  lgdegf  
A027393 11.8725  $(n-4)*a(n+1)+(n+3)*a(n+2), a(0)=6, a(1)=15$  lgdegf  
A027394 12.6145  $(n-5)*a(n+1)+(n+3)*a(n+2), a(0)=7, a(1)=21$  lgdegf  
A027395 13.1542  $(n-6)*a(n+1)+(n+3)*a(n+2), a(0)=8, a(1)=28$  lgdegf  
A027396 11.8825  $(n-7)*a(n+1)+(n+3)*a(n+2), a(0)=9, a(1)=36$  lgdegf  
A027397 11.9286  $(n-8)*a(n+1)+(n+3)*a(n+2), a(0)=10, a(1)=45$  lgdegf  
A027398 11.7065  $(-n+9)*a(n+1)+(-n-3)*a(n+2), a(0)=11, a(1)=55$  lgdegf  
A027399 11.8739  $(-n+10)*a(n+1)+(-n-3)*a(n+2), a(0)=12, a(1)=66$  lgdegf  
A027400 12.0547  $(-n+11)*a(n+1)+(-n-3)*a(n+2), a(0)=13, a(1)=78$  lgdegf  
A027401 10.5378  $(-n+12)*a(n+1)+(-n-3)*a(n+2), a(0)=14, a(1)=91$  lgdegf  
A027402 10.4289  $(-n+13)*a(n+1)+(-n-3)*a(n+2), a(0)=15, a(1)=105$  lgdegf  
A027403 10.7170  $(-n+14)*a(n+1)+(-n-3)*a(n+2), a(0)=16, a(1)=120$  lgdegf  
A027404 10.7746  $(-n+15)*a(n+1)+(-n-3)*a(n+2), a(0)=17, a(1)=136$  lgdegf  
A027405 10.9474  $(-n+16)*a(n+1)+(-n-3)*a(n+2), a(0)=18, a(1)=153$  lgdegf  
A027406 9.43324  $(-n+17)*a(n+1)+(-n-3)*a(n+2), a(0)=19, a(1)=171$  lgdegf  
A027408 9.60169  $(-n+19)*a(n+1)+(-n-3)*a(n+2), a(0)=21, a(1)=210$  lgdegf  
A027409 9.82629  $(-n+20)*a(n+1)+(-n-3)*a(n+2), a(0)=22, a(1)=231$  lgdegf  
A027410 9.82629  $(-n+21)*a(n+1)+(-n-3)*a(n+2), a(0)=23, a(1)=253$  lgdegf  
A027411 9.88244  $(-n+22)*a(n+1)+(-n-3)*a(n+2), a(0)=24, a(1)=276$  lgdegf  
A027412 6.60328  $[{-a(n)*n+a(n+2)-2*a(n+1), a(0) = 1, a(1) = 2}],$  ogf]  
A027418 2.87056  $[x*(x-2)/(x-1)/(x^2-3*x+1)$  ogf]  
A027439 15.4980  $[-1/(3*x^3-5*x^2+4*x-1)$  ogf]  
A027439 15.5665  $-(-4-10*x+9*x^2)/(-5*x^2-1+4*x+3*x^3)$  lgdogf  
A027439 5.07457  $[{a(n+3)-4*a(n+2)+5*a(n+1)-3*a(n), a(0) = 1, a(1) = 4, a(2) = 11}],$  ogf]  
A027441 21.9266  $-3*(x+1)*(7*x+3)/(x-1)/(7*x^2+4*x+1)$  lgdogf  
A027441 4.04177  $[{(n+3)*a(n+4)+(-3+3*n)*a(n+3)+(-27+3*n)*a(n+2)+(-21-7*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 42}],$  ogf]  
A027441 9.64181  $[-x*(7*x^2+4*x+1)/(x-1)^5$  ogf]  
A027444 11.3866  $[x*(x^2+2*x+3)/(x-1)^4$  ogf]  
A027444 25.6232  $-2*(7+4*x+x^2)/(x-1)/(x^2+2*x+3)$  lgdogf  
A027444 4.19811  $[{(9+3*n)*a(n+4)+(-16-n)*a(n+3)+(-9-n)*a(n+2)+(-n-2)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 14, a(3) = 39}],$  ogf]  
A027445 26.0918  $-15*(x+1)^2/(x-1)/(5*x^2+5*x+2)$  lgdogf  
A027445 4.45478  $[{(6+2*n)*a(n+4)+(-9+3*n)*a(n+3)-30*a(n+2)+(-15-5*n)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 30, a(3) = 120}],$  ogf]  
A027445 9.64328  $[-2*x*(5*x^2+5*x+2)/(x-1)^5$  ogf]  
A027468 17.8670  $[-9*x/(x-1)^3$  ogf]  
A027468 7.17870  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 9, a(2) = 27}],$

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ogf]
A027468 99.0661 -3/(x-1) lgdogf
A027469 19.1470 [ -49/(x-1)^3 ogf]
A027469 6.87330 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 49, a(1) = 147, a(2) =
294}, ogf]
A027469 98.6775 -3/(x-1) lgdogf
A027470 15.8563 [ -225/(x-1)^3 ogf]
A027470 5.72957 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 225, a(1) = 675, a(2) =
1350}, ogf]
A027470 83.4792 -3/(x-1) lgdogf
A027471 19.0207 [ x/(3*x-1)^2 ogf]
A027471 25.7510 4*x/(1+(1+12*x)^(1/2))^2 revogf
A027471 56.1841 -6/(-1+3*x) lgdogf
A027471 7.74916 [{a(n+2)-6*a(n+1)+9*a(n), a(0) = 0, a(1) = 1}, ogf]
A027472 11.9829 [ -1/(3*x-1)^3 ogf]
A027472 4.06377 [{a(n+3)-9*a(n+2)+27*a(n+1)-27*a(n), a(0) = 1, a(1) = 9, a(2) =
54}, ogf]
A027472 41.3955 -9/(-1+3*x) lgdogf
A027473 16.4047 [ 1/(7*x-1)^2 ogf]
A027473 23.4328 4*x/(1+(1+28*x)^(1/2))^2 revogf
A027473 46.8657 -14/(-1+7*x) lgdogf
A027473 6.75489 [{-a(n+2)+14*a(n+1)-49*a(n), a(0) = 1, a(1) = 14}, ogf]
A027474 14.5119 [ -1/(7*x-1)^3 ogf]
A027474 49.8101 -21/(-1+7*x) lgdogf
A027474 5.07916 [{a(n+3)-21*a(n+2)+147*a(n+1)-343*a(n), a(0) = 1, a(1) = 21,
a(2) = 294}, ogf]
A027475 14.0170 [ 1/(15*x-1)^2 ogf]
A027475 20.5634 4*x/(1+(1+60*x)^(1/2))^2 revogf
A027475 37.9632 -30/(-1+15*x) lgdogf
A027475 5.86757 [{-a(n+2)+30*a(n+1)-225*a(n), a(0) = 1, a(1) = 30}, ogf]
A027476 12.3799 [ -1/(15*x-1)^3 ogf]
A027476 4.36342 [{a(n+3)-45*a(n+2)+675*a(n+1)-3375*a(n), a(0) = 1, a(1) = 45,
a(2) = 1350}, ogf]
A027476 40.0959 -45/(-1+15*x) lgdogf
A027480 14.1536 [ 3*x/(x-1)^4 ogf]
A027480 7.28292 [{(n+1)*a(n+2)+(-4-n)*a(n+1), a(0) = 0, a(1) = 3}, ogf]
A027480 75.7019 -4/(x-1) lgdogf
A027482 20.3433 -3*(13+6*x+x^2)/(x-1)/(x^2+4*x+7) lgdogf
A027482 8.67489 [ -(x^2+4*x+7)/(x-1)^5 ogf]
A027484 31.7352 [[8-2*x] ogf_with_Euler_transform]
A027484 32.9995 -4*(x+2)/(x-1)/(x+1) lgdogf
A027484 4.84504 [{(-n-3)*a(n+3)+8*a(n+2)+(5+n)*a(n+1), a(0) = 15, a(1) = 120,
a(2) = 510}, ogf]
A027484 7.40066 [ 15*(x+1)^2/(x-1)^6 ogf]
A027540 10.9122 [ (5*x-3)/(2*x-1)^2/(x-1)^3 ogf]
A027540 16.4985 -2*(8-25*x+20*x^2)/(x-1)/(-3+5*x)/(2*x-1) lgdogf
A027540 3.79554 [{(3*n+12)*a(n+4)+(-58-14*n)*a(n+3)+(92+21*n)*a(n
+2)+(-50-10*n)*a(n+1), a(0) = 3, a(1) = 16, a(2) = 55, a(3) = 156}, ogf]
A027556 14.1175 [ -2*x^3/(2*x-1)/(x-1)/(2*x^2-1) ogf]
A027556 15.0441 -(3+16*x^3-18*x^2)/(x-1)/(2*x-1)/(2*x^2-1) lgdogf
A027557 10.5222 -2*(x+1)*(2*x^4-4*x^3-2*x^2+x+1)/(2*x^2-1)/(x^2+x-1)/(x^2-x-1)
lgdogf
A027557 9.65916 [ -(x^2-x-1)/(2*x^2-1)/(x^2+x-1) ogf]
A027558 10.2457 [ -2*x^4/(2*x-1)/(2*x^2-1)/(x^2+x-1) ogf]
A027558 11.1605 -(3+2*x+20*x^4+8*x^3-24*x^2)/(2*x-1)/(x^2+x-1)/(2*x^2-1) lgdogf
A027559 8.06254 [ (x-1)*(x+1)*(x^2-x-1)/(3*x^2-1)/(x^2+x-1) ogf]
A027559 8.39162 2*(1+2*x+2*x^5-x^4-6*x^3+3*x^6-3*x^2)/(x-1)/(x+1)/(-1+3*x^2)/
(x^2+x-1)/(x^2-x-1) lgdogf
A027560 6.29372 -2*(1+2*x+12*x^5+9*x^4-10*x^3+6*x^8-2*x^7-11*x^6-5*x^2)/(x-1)/(x
+1)/(-1+3*x^2)/(x^3-2*x^2-x+1)/(x^3+2*x^2-x-1) lgdogf
A027560 6.99302 [ -(x-1)*(x+1)*(x^3+2*x^2-x-1)/(3*x^2-1)/(x^3-2*x^2-x+1) ogf]

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A027561 10.4531 [  $-2x^5/(2x-1)/(3x^2-1)/(x^2+x-1)$  ogf]  
A027561 11.2338  $-(3+5x)*(6x^3+6x^2-3x-1)/(2x-1)/(-1+3x^2)/(x^2+x-1)$   
lgdogf  
A027562 8.93282 [  $2x^6/(2x-1)/(3x^2-1)/(x^3-2x^2-x+1)$  ogf]  
A027562 9.03045  $-(3-6x+36x^5-75x^4-8x^3+42x^2)/(2x-1)/(-1+3x^2)/$   
 $(x^3-2x^2-x+1)$  lgdogf  
A027575 11.8806 [  $-2*(3x^2-6x+7)/(x-1)^3$  ogf]  
A027575 21.5716  $-3*(5-2x+x^2)/(x-1)/(3x^2-6x+7)$  lgdogf  
A027575 6.50851 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 14, a(1) = 30, a(2) =$   
 $54\}$ , ogf]  
A027578 11.5050 [  $-5*(3x^2-7x+6)/(x-1)^3$  ogf]  
A027578 20.6106  $-(11-8x+3x^2)/(x-1)/(3x^2-7x+6)$  lgdogf  
A027578 6.40279 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 30, a(1) = 55, a(2) =$   
 $90\}$ , ogf]  
A027599 11.9638 [  $-2*(8x^2-8x+3)/(x-1)^3$  ogf]  
A027599 24.6164  $-(1+8x^2)/(x-1)/(8x^2-8x+3)$  lgdogf  
A027599 6.72963 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 6, a(1) = 2, a(2) = 4\}$ ,  
ogf]  
A027602 10.9711 [  $9*(x^2+1)/(x-1)^4$  ogf]  
A027602 24.3971 [  $[-x^3+x+4]$  ogf\_with\_Euler\_transform]  
A027602 26.8764  $-2*(2+x+x^2)/(x-1)/(1+x^2)$  lgdogf  
A027602 3.71417 [  $\{(n+4)*a(n+4)+(-7-n)*a(n+3)+n*a(n+2)+(-n-3)*a(n+1), a(0) = 9,$   
 $a(1) = 36, a(2) = 99, a(3) = 216\}$ , ogf]  
A027603 12.9526  $-(-25+13x+2x^3-14x^2)/(x-1)/(2x^3-10x^2+11x-9)$  lgdogf  
A027603 3.60021 [  $\{(17n^2+82n+96)*a(n+1)+(-4n^2+127n+420)*a(n$   
 $+2)+(-13n^2-119n-240)*a(n+3), a(0) = 36, a(1) = 100, a(2) = 224\}$ , ogf]  
A027603 8.59550 [  $-4*(2x^3-10x^2+11x-9)/(x-1)^4$  ogf]  
A027604 12.4687  $-(-45+49x+7x^3-35x^2)/(x-1)/(7x^3-28x^2+35x-20)$  lgdogf  
A027604 3.57051 [  $\{(11n^2+49n+54)*a(n+1)+(-4n^2+88n+300)*a(n$   
 $+2)+(-7n^2-83n-186)*a(n+3), a(0) = 100, a(1) = 225, a(2) = 440\}$ , ogf]  
A027604 8.03364 [  $-5*(7x^3-28x^2+35x-20)/(x-1)^4$  ogf]  
A027608 21.8178  $-(-9+10x)/(2x-1)/(x-1)$  lgdogf  
A027608 3.50437 [  $\{(-n-3)*a(n+3)+(15+3n)*a(n+2)+(-12-2n)*a(n+1), a(0) = 1, a(1)$   
 $= 9, a(2) = 49\}$ , ogf]  
A027608 9.40647 [  $-1/(x-1)/(2x-1)^4$  ogf]  
A027616 4.27157 [  $\{(-n^2-5n-6)*a(n+1)+(n+3)*a(n+2)+(-n-4)*a(n+3)+a(n+4), a(0) =$   
 $0, a(1) = 0, a(2) = 1, a(3) = 3\}$ , ogf]  
A027620 10.4910 [  $(x^2-4x+9)/(x-1)^4$  ogf]  
A027620 21.4948  $-2*(16-5x+x^2)/(x-1)/(x^2-4x+9)$  lgdogf  
A027621 6.59865 [  $-2*(8x^4-40x^3+80x^2-81x+45)/(x-1)^5$  ogf]  
A027621 9.69597  $-4*(36-41x+2x^4-12x^3+30x^2)/(x-1)/(8x^4-40x^3+80x^2-81x$   
 $+45)$  lgdogf  
A027622 5.57939  $-(-3413+6939x+259x^5-1749x^4+4994x^3-7750x^2)/(x-1)/$   
 $(259x^5-1522x^4+3694x^3-4708x^2+3271x-1114)$  lgdogf  
A027622 6.09052 [  $- (259x^5-1522x^4+3694x^3-4708x^2+3271x-1114)/(x-1)^6$  ogf]  
A027625 4.56534 [  $\{(-n^2-13n-36)*a(n+1)+(n^2+7n+6)*a(n+4), a(0) = 0, a(1) = 1,$   
 $a(2) = 7, a(3) = 4\}$ , ogf]  
A027625 5.55865  $-(-7-8x-12x^5-23x^4-72x^3+3x^8+4x^7-6x^6-18x^2+4x^9)/$   
 $(x-1)/(2x^7+x^6+x^5-4x^4-3x^3-4x^2-7x-1)/(x^2+x+1)$  lgdogf  
A027625 6.07317 [  $x*(2x^7+x^6+x^5-4x^4-3x^3-4x^2-7x-1)/(x-1)^3/(x^2+x+1)^3$   
ogf]  
A027626 5.65725 [  $\{(n^2+13n+42)*a(n+1)+(-n^2-7n-12)*a(n+4), a(0) = 1, a(1) = 2,$   
 $a(2) = 10, a(3) = 5\}$ , ogf]  
A027626 8.29466  $-(2x^{10}+20x+12x^5+60x^4+20x^3+5x^6+15x^2)/(x-1)/(x^2+x$   
 $+1)/(x^8-2x^5+x^4+2x^3+10x^2+2x+1)$  lgdogf  
A027626 8.54360 [  $-(x^8-2x^5+x^4+2x^3+10x^2+2x+1)/(x-1)^3/(x^2+x+1)^3$  ogf]  
A027628 7.39472  $-(96+1312x+11x^4+618x^3+2283x^2)/(x-1)/$   
 $(11x^4+287x^3+474x^2+91x+1)$  lgdogf  
A027628 7.75198 [  $-(11x^4+287x^3+474x^2+91x+1)/(x-1)^5$  ogf]  
A027629 5.38294 [  $(x^6+7x^5+43x^4+154x^3+43x^2+7x+1)/(x-1)^8$  ogf]  
A027629 5.84896  $- (15+135x+27x^5+207x^4+942x^3+2x^6+720x^2)/(x-1)/$

$(x^6+7x^5+43x^4+154x^3+43x^2+7x+1)$  lgdogf  
A027630 4.66877 [  $-(x+1)*(x^2+1)*(x^6+7x^5+43x^4+154x^3+43x^2+7x+1)/(x-1)^7$  ogf]  
A027635 25.5510 [  $-x^9-x^7+x^4+5*x$  ogf\_with\_Euler\_transform]  
A027635 6.01099 [  $(x^2+1)*(x^4-x^3+x^2-x+1)*(x^4+1)/(x+1)^3/(x-1)^4$  ogf]  
A027635 8.04891  
 $x*(3x^{10}-3x^9-10-25x^4+15x^3-20x^2+7x^7-17x^6+15x^5+10x-7x^8)/(x-1)/(x+1)/(x^2+1)/(x^4-x^3+x^2-x+1)/(x^4+1)$  lgdogf  
A027649 12.5710 [  $-(x-1)/(3x-1)/(2x-1)$  ogf]  
A027649 14.1790  $-1/2*(-1-5x+(1+6x+x^2)^{(1/2)})/(6x+1)$  revogf  
A027649 14.1790  $-2*(2-6x+3x^2)/(x-1)/(-1+3x)/(2x-1)$  lgdogf  
A027649 6.89870 [  $\{-a(n+2)+5a(n+1)-6a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A027650 13.9875 [  $(x-1)/(3x-1)/(2x-1)/(4x-1)$  ogf]  
A027650 6.68967 [  $\{a(n+3)-9a(n+2)+26a(n+1)-24a(n), a(0) = 1, a(1) = 8, a(2) = 46\}$ , ogf]  
A027650 9.13356  $-2*(-4+26x+24x^3-49x^2)/(x-1)/(-1+3x)/(2x-1)/(4x-1)$  lgdogf  
A027651 5.56172  $-2*(8-70x+240x^5-600x^4+157x^3+145x^2)/(x-1)/(4x-1)/(-1+3x)/(2x-1)/(4x+1)/(5x-1)$  lgdogf  
A027651 9.17981 [  $(4x+1)*(x-1)^2/(4x-1)/(3x-1)/(2x-1)/(5x-1)$  ogf]  
A027656 19.9844 [  $1/(x+1)^2/(x-1)^2$  ogf]  
A027656 43.3812 [  $[2x]$  ogf\_with\_Euler\_transform]  
A027656 57.0714  $-4x/(x-1)/(x+1)$  lgdogf  
A027656 6.42976 [  $\{(-n-3)*a(n+3)+(5+n)*a(n+1), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf]  
A027657 11.0088 [  $(4x+1)/(x^2-34x+1)$  ogf]  
A027657 11.0127  $-1/2*(-1-34x+(1+84x+1152x^2)^{(1/2)})/(-4+x)$  revogf  
A027657 13.3939  $-2*(-19+x+2x^2)/(4x+1)/(x^2-34x+1)$  lgdogf  
A027657 6.02863 [  $\{-a(n+2)+34a(n+1)-a(n), a(0) = 1, a(1) = 38\}$ , ogf]  
A027658 12.2097  $-(-4+4x+3x^3-9x^2)/(x-1)/(x^3-3x^2+2x-1)$  lgdogf  
A027658 5.86640 [  $-(x^3-3x^2+2x-1)/(x-1)^6$  ogf]  
A027659 11.4790  $-(-18+22x+3x^3-13x^2)/(x-1)/(x-2)/(x^2-2x+2)$  lgdogf  
A027659 5.88124 [  $-(x-2)*(x^2-2x+2)/(x-1)^6$  ogf]  
A027660 15.1668  $-2*(2-3x+4x^2)/(x-1)/(2x^2-2x+1)$  lgdogf  
A027660 6.36068 [  $(2x^2-2x+1)/(x-1)^6$  ogf]  
A027670 4.90222 [  $-x*(x+1)*(7x^3+17x^2+5x+1)/(x-1)^7$  ogf]  
A027670 8.68903  $-(13+80x+21x^4+124x^3+182x^2)/(x-1)/(x+1)/(7x^3+17x^2+5x+1)$  lgdogf  
A027674 7.67502 [  $-(x^4-x^2-2x+1)/(x+1)/(x^4-2x^3+x^2-2x+1)$  ogf]  
A027674 7.73250  $-(1-4x^5+15x^4-4x^3+x^8-2x^6-2x^2)/(x+1)/(x^4-2x^3+x^2-2x+1)/(x^4-x^2-2x+1)$  lgdogf  
A027688 12.5655 [  $-(3x^2-4x+3)/(x-1)^3$  ogf]  
A027688 22.0886  $-(5-2x+3x^2)/(x-1)/(3x^2-4x+3)$  lgdogf  
A027688 6.84373 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 3, a(1) = 5, a(2) = 9\}$ , ogf]  
A027689 12.6290 [  $-2*(2x^2-3x+2)/(x-1)^3$  ogf]  
A027689 22.2025  $-(3-2x+2x^2)/(x-1)/(2x^2-3x+2)$  lgdogf  
A027689 6.81742 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 4, a(1) = 6, a(2) = 10\}$ , ogf]  
A027690 12.6290 [  $-(5x^2-8x+5)/(x-1)^3$  ogf]  
A027690 22.2025  $-(7-6x+5x^2)/(x-1)/(5x^2-8x+5)$  lgdogf  
A027690 6.81742 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 5, a(1) = 7, a(2) = 11\}$ , ogf]  
A027691 12.4253 [  $-2*(3x^2-5x+3)/(x-1)^3$  ogf]  
A027691 22.2025  $-(4-4x+3x^2)/(x-1)/(3x^2-5x+3)$  lgdogf  
A027691 6.81742 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 6, a(1) = 8, a(2) = 12\}$ , ogf]  
A027692 12.4253 [  $-(7x^2-12x+7)/(x-1)^3$  ogf]  
A027692 20.9690  $-(9-10x+7x^2)/(x-1)/(7x^2-12x+7)$  lgdogf  
A027692 6.81742 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 7, a(1) = 9, a(2) = 13\}$ , ogf]  
A027693 12.1714 [  $-2*(4x^2-7x+4)/(x-1)^3$  ogf]

A027693 21.7420  $-(5-6*x+4*x^2)/(x-1)/(4*x^2-7*x+4)$  lgdogf  
A027693 6.61955  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 8, a(1) = 10, a(2) = 14\}, ogf]$   
A027694 12.1714  $[ -(9*x^2-16*x+9)/(x-1)^3 ogf]$   
A027694 19.9792  $-(11-14*x+9*x^2)/(x-1)/(9*x^2-16*x+9)$  lgdogf  
A027694 6.61955  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 9, a(1) = 11, a(2) = 15\}, ogf]$   
A027710 15.0619  $(-n-2)*a(n+2)+a(n+1), a(0)=3, a(1)=3$  lgdegf  
A027711 6.90531  $-(-2+8*x-18*x^5+9*x^4+12*x^3+4*x^7+5*x^6-15*x^2)/(2*x-1)/(x^2-x+1)/(x^2+x-1)/(x^3+x^2-2*x+1)$  lgdogf  
A027711 7.25382  $[ x*(x^3+x^2-2*x+1)/(2*x-1)/(x^2-x+1)/(x^2+x-1) ogf]$   
A027764 33.0978  $-5*(5+x)/(x+4)/(x-1)$  lgdogf  
A027764 4.38844  $[ \{(-4*n-12)*a(n+3)+(31+3*n)*a(n+2)+(6+n)*a(n+1), a(0) = 4, a(1) = 25, a(2) = 90\}, ogf]$   
A027764 8.44774  $[ (x+4)/(x-1)^6 ogf]$   
A027765 31.1475  $-6*(x+6)/(5+x)/(x-1)$  lgdogf  
A027765 5.05302  $[ \{(-5*n-15)*a(n+3)+(44+4*n)*a(n+2)+(7+n)*a(n+1), a(0) = 5, a(1) = 36, a(2) = 147\}, ogf]$   
A027765 8.80020  $[ -(x+5)/(x-1)^7 ogf]$   
A027766 39.3361  $-7*(x+7)/(x+6)/(x-1)$  lgdogf  
A027766 5.16507  $[ \{(-6*n-18)*a(n+3)+(59+5*n)*a(n+2)+(8+n)*a(n+1), a(0) = 6, a(1) = 49, a(2) = 224\}, ogf]$   
A027766 8.16924  $[ (x+6)/(x-1)^8 ogf]$   
A027767 31.6401  $-8*(x+8)/(x+7)/(x-1)$  lgdogf  
A027767 4.16765  $[ \{(-7*n-21)*a(n+3)+(76+6*n)*a(n+2)+(9+n)*a(n+1), a(0) = 7, a(1) = 64, a(2) = 324\}, ogf]$   
A027767 5.92647  $[ -(x+7)/(x-1)^9 ogf]$   
A027768 37.7138  $-9*(9+x)/(x+8)/(x-1)$  lgdogf  
A027768 4.92144  $[ \{(-8*n-24)*a(n+3)+(95+7*n)*a(n+2)+(10+n)*a(n+1), a(0) = 8, a(1) = 81, a(2) = 450\}, ogf]$   
A027768 6.19148  $[ (x+8)/(x-1)^{10} ogf]$   
A027769 34.0793  $-10*(10+x)/(9+x)/(x-1)$  lgdogf  
A027769 4.82958  $[ \{(-9*n-27)*a(n+3)+(116+8*n)*a(n+2)+(11+n)*a(n+1), a(0) = 9, a(1) = 100, a(2) = 605\}, ogf]$   
A027769 5.65240  $[ -(x+9)/(x-1)^{11} ogf]$   
A027770 32.0986  $-11*(x+11)/(10+x)/(x-1)$  lgdogf  
A027770 4.69658  $[ \{(-10*n-30)*a(n+3)+(139+9*n)*a(n+2)+(12+n)*a(n+1), a(0) = 10, a(1) = 121, a(2) = 792\}, ogf]$   
A027770 5.11192  $[ (x+10)/(x-1)^{12} ogf]$   
A027771 31.5894  $-12*(12+x)/(x+11)/(x-1)$  lgdogf  
A027771 4.56536  $[ \{(-11*n-33)*a(n+3)+(164+10*n)*a(n+2)+(13+n)*a(n+1), a(0) = 11, a(1) = 144, a(2) = 1014\}, ogf]$   
A027772 32.5810  $-13*(13+x)/(12+x)/(x-1)$  lgdogf  
A027772 4.70614  $[ \{(-12*n-36)*a(n+3)+(191+11*n)*a(n+2)+(14+n)*a(n+1), a(0) = 12, a(1) = 169, a(2) = 1274\}, ogf]$   
A027773 31.6290  $-14*(14+x)/(13+x)/(x-1)$  lgdogf  
A027773 4.57001  $[ \{(-13*n-39)*a(n+3)+(220+12*n)*a(n+2)+(15+n)*a(n+1), a(0) = 13, a(1) = 196, a(2) = 1575\}, ogf]$   
A027774 32.4687  $-15*(15+x)/(14+x)/(x-1)$  lgdogf  
A027774 4.68923  $[ \{(-14*n-42)*a(n+3)+(251+13*n)*a(n+2)+(16+n)*a(n+1), a(0) = 14, a(1) = 225, a(2) = 1920\}, ogf]$   
A027775 31.0896  $-16*(16+x)/(15+x)/(x-1)$  lgdogf  
A027775 4.49243  $[ \{(-15*n-45)*a(n+3)+(284+14*n)*a(n+2)+(17+n)*a(n+1), a(0) = 15, a(1) = 256, a(2) = 2312\}, ogf]$   
A027776 31.6423  $-17*(17+x)/(16+x)/(x-1)$  lgdogf  
A027776 4.57090  $[ \{(-16*n-48)*a(n+3)+(319+15*n)*a(n+2)+(18+n)*a(n+1), a(0) = 16, a(1) = 289, a(2) = 2754\}, ogf]$   
A027777 27.3575  $-10*(x+2)/(2*x+3)/(x-1)$  lgdogf  
A027777 4.14727  $[ \{(-3*n-9)*a(n+3)+(22+n)*a(n+2)+(12+2*n)*a(n+1), a(0) = 6, a(1) = 40, a(2) = 150\}, ogf]$   
A027777 8.03534  $[ 2*(2*x+3)/(x-1)^6 ogf]$

A027778 30.1526  $-3*(2*x+5)/(x+2)/(x-1)$  lgdogf  
A027778 4.36663  $[ \{ (-2*n-6)*a(n+3)+(17+n)*a(n+2)+(7+n)*a(n+1), a(0) = 10, a(1) = 75, a(2) = 315 \},$  ogf]  
A027778 7.52030  $[ -5*(x+2)/(x-1)^7$  ogf]  
A027779 24.4915  $-14*(x+3)/(2*x+5)/(x-1)$  lgdogf  
A027779 3.64671  $[ \{ (-5*n-15)*a(n+3)+(48+3*n)*a(n+2)+(16+2*n)*a(n+1), a(0) = 15, a(1) = 126, a(2) = 588 \},$  ogf]  
A027779 5.82000  $[ 3*(2*x+5)/(x-1)^8$  ogf]  
A027780 25.8578  $-4*(2*x+7)/(x+3)/(x-1)$  lgdogf  
A027780 3.70435  $[ \{ (-3*n-9)*a(n+3)+(32+2*n)*a(n+2)+(9+n)*a(n+1), a(0) = 21, a(1) = 196, a(2) = 1008 \},$  ogf]  
A027780 5.28712  $[ -7*(x+3)/(x-1)^9$  ogf]  
A027781 24.1296  $-18*(x+4)/(2*x+7)/(x-1)$  lgdogf  
A027781 3.56933  $[ \{ (-7*n-21)*a(n+3)+(82+5*n)*a(n+2)+(20+2*n)*a(n+1), a(0) = 28, a(1) = 288, a(2) = 1620 \},$  ogf]  
A027781 4.54019  $[ 4*(2*x+7)/(x-1)^{10}$  ogf]  
A027782 34.7561  $-5*(9+2*x)/(x+4)/(x-1)$  lgdogf  
A027782 4.89194  $[ \{ (-4*n-12)*a(n+3)+(51+3*n)*a(n+2)+(11+n)*a(n+1), a(0) = 36, a(1) = 405, a(2) = 2475 \},$  ogf]  
A027782 5.71925  $[ -9*(x+4)/(x-1)^{11}$  ogf]  
A027783 32.5810  $-22*(5+x)/(9+2*x)/(x-1)$  lgdogf  
A027783 4.76497  $[ \{ (-9*n-27)*a(n+3)+(124+7*n)*a(n+2)+(24+2*n)*a(n+1), a(0) = 45, a(1) = 550, a(2) = 3630 \},$  ogf]  
A027783 5.15132  $[ 5*(2*x+9)/(x-1)^{12}$  ogf]  
A027784 31.7689  $-6*(11+2*x)/(5+x)/(x-1)$  lgdogf  
A027784 4.67648  $[ \{ (-5*n-15)*a(n+3)+(74+4*n)*a(n+2)+(13+n)*a(n+1), a(0) = 55, a(1) = 726, a(2) = 5148 \},$  ogf]  
A027785 31.5182  $-26*(x+6)/(11+2*x)/(x-1)$  lgdogf  
A027785 4.77834  $[ \{ (-11*n-33)*a(n+3)+(174+9*n)*a(n+2)+(28+2*n)*a(n+1), a(0) = 66, a(1) = 936, a(2) = 7098 \},$  ogf]  
A027786 31.6423  $-7*(13+2*x)/(x+6)/(x-1)$  lgdogf  
A027786 4.59929  $[ \{ (-6*n-18)*a(n+3)+(101+5*n)*a(n+2)+(15+n)*a(n+1), a(0) = 78, a(1) = 1183, a(2) = 9555 \},$  ogf]  
A027787 29.2646  $-30*(x+7)/(13+2*x)/(x-1)$  lgdogf  
A027787 4.35910  $[ \{ (-13*n-39)*a(n+3)+(232+11*n)*a(n+2)+(32+2*n)*a(n+1), a(0) = 91, a(1) = 1470, a(2) = 12600 \},$  ogf]  
A027788 31.4912  $-8*(15+2*x)/(x+7)/(x-1)$  lgdogf  
A027788 4.52049  $[ \{ (-7*n-21)*a(n+3)+(132+6*n)*a(n+2)+(17+n)*a(n+1), a(0) = 105, a(1) = 1800, a(2) = 16320 \},$  ogf]  
A027789 10.0883  $[ 2*(3*x+2)/(x-1)^6$  ogf]  
A027789 28.5170  $-15*(x+1)/(3*x+2)/(x-1)$  lgdogf  
A027789 5.20686  $[ \{ (-2*n-6)*a(n+3)+(13-n)*a(n+2)+(18+3*n)*a(n+1), a(0) = 4, a(1) = 30, a(2) = 120 \},$  ogf]  
A027790 28.7781  $-2*(4+3*x)/(x-1)/(x+1)$  lgdogf  
A027790 30.4473  $[ [8-x]$  ogf\_with\_Euler\_transform]  
A027790 4.68440  $[ \{ (-n-3)*a(n+3)+8*a(n+2)+(7+n)*a(n+1), a(0) = 10, a(1) = 80, a(2) = 350 \},$  ogf]  
A027790 7.10381  $[ -10*(x+1)/(x-1)^7$  ogf]  
A027791 23.8734  $-7*(5+3*x)/(4+3*x)/(x-1)$  lgdogf  
A027791 3.70782  $[ \{ (-4*n-12)*a(n+3)+(37+n)*a(n+2)+(24+3*n)*a(n+1), a(0) = 20, a(1) = 175, a(2) = 840 \},$  ogf]  
A027791 5.85836  $[ 5*(3*x+4)/(x-1)^8$  ogf]  
A027792 27.1506  $-24*(x+2)/(5+3*x)/(x-1)$  lgdogf  
A027792 4.00842  $[ \{ (-5*n-15)*a(n+3)+(52+2*n)*a(n+2)+(27+3*n)*a(n+1), a(0) = 35, a(1) = 336, a(2) = 1764 \},$  ogf]  
A027792 5.74178  $[ -7*(3*x+5)/(x-1)^9$  ogf]  
A027793 26.3666  $-3*(7+3*x)/(x+2)/(x-1)$  lgdogf  
A027793 3.75068  $[ \{ (-2*n-6)*a(n+3)+(23+n)*a(n+2)+(10+n)*a(n+1), a(0) = 56, a(1) = 588, a(2) = 3360 \},$  ogf]  
A027793 4.70324  $[ 28*(x+2)/(x-1)^{10}$  ogf]  
A027794 29.8442  $-10*(8+3*x)/(7+3*x)/(x-1)$  lgdogf

A027794 4.77445 [ $\{(-7n-21)a(n+3)+(88+4n)a(n+2)+(33+3n)a(n+1), a(0) = 84, a(1) = 960, a(2) = 5940\}$ , ogf]  
A027794 5.54115 [ $-12*(3x+7)/(x-1)^{11}$  ogf]  
A027795 32.3288  $-33*(x+3)/(8+3x)/(x-1)$  lgdogf  
A027795 4.66936 [ $\{(-8n-24)a(n+3)+(109+5n)a(n+2)+(36+3n)a(n+1), a(0) = 120, a(1) = 1485, a(2) = 9900\}$ , ogf]  
A027795 5.07676 [ $15*(3x+8)/(x-1)^{12}$  ogf]  
A027796 31.6423  $-4*(10+3x)/(x+3)/(x-1)$  lgdogf  
A027796 4.59929 [ $\{(-3n-9)a(n+3)+(44+2n)a(n+2)+(13+n)a(n+1), a(0) = 165, a(1) = 2200, a(2) = 15730\}$ , ogf]  
A027797 27.7785  $-13*(11+3x)/(10+3x)/(x-1)$  lgdogf  
A027797 4.65080 [ $\{(-10n-30)a(n+3)+(157+7n)a(n+2)+(42+3n)a(n+1), a(0) = 220, a(1) = 3146, a(2) = 24024\}$ , ogf]  
A027798 30.1791  $-42*(x+4)/(11+3x)/(x-1)$  lgdogf  
A027798 4.49293 [ $\{(-11n-33)a(n+3)+(184+8n)a(n+2)+(45+3n)a(n+1), a(0) = 286, a(1) = 4368, a(2) = 35490\}$ , ogf]  
A027799 32.4455  $-5*(13+3x)/(x+4)/(x-1)$  lgdogf  
A027799 4.68388 [ $\{(-4n-12)a(n+3)+(71+3n)a(n+2)+(16+n)a(n+1), a(0) = 364, a(1) = 5915, a(2) = 50960\}$ , ogf]  
A027800 26.3396  $-10*(2x+1)/(4x+1)/(x-1)$  lgdogf  
A027800 5.06579 [ $\{(n+3)a(n+3)+(-4+3n)a(n+2)+(-24-4n)a(n+1), a(0) = 1, a(1) = 10, a(2) = 45\}$ , ogf]  
A027800 9.68832 [ $(4x+1)/(x-1)^6$  ogf]  
A027801 26.9384  $-3*(3+4x)/(2x+1)/(x-1)$  lgdogf  
A027801 4.28566 [ $\{(-n-3)a(n+3)+(7-n)a(n+2)+(14+2n)a(n+1), a(0) = 5, a(1) = 45, a(2) = 210\}$ , ogf]  
A027801 7.33323 [ $-5*(2x+1)/(x-1)^7$  ogf]  
A027802 24.9113  $-28*(x+1)/(3+4x)/(x-1)$  lgdogf  
A027802 3.73144 [ $\{(-3n-9)a(n+3)+(26-n)a(n+2)+(32+4n)a(n+1), a(0) = 15, a(1) = 140, a(2) = 700\}$ , ogf]  
A027802 5.85836 [ $5*(4x+3)/(x-1)^8$  ogf]  
A027803 28.5310  $-2*(4x+5)/(x-1)/(x+1)$  lgdogf  
A027803 28.7469 [ $[10-x]$  ogf\_with\_Euler\_transform]  
A027803 4.54296 [ $\{(-n-3)a(n+3)+10a(n+2)+(9+n)a(n+1), a(0) = 35, a(1) = 350, a(2) = 1890\}$ , ogf]  
A027803 5.77078 [ $-35*(x+1)/(x-1)^9$  ogf]  
A027804 23.5789  $-18*(2x+3)/(4x+5)/(x-1)$  lgdogf  
A027804 3.78625 [ $\{(-5n-15)a(n+3)+(56+n)a(n+2)+(40+4n)a(n+1), a(0) = 70, a(1) = 756, a(2) = 4410\}$ , ogf]  
A027804 4.77789 [ $14*(4x+5)/(x-1)^{10}$  ogf]  
A027805 30.1770  $-5*(7+4x)/(2x+3)/(x-1)$  lgdogf  
A027805 4.60702 [ $\{(-3n-9)a(n+3)+(37+n)a(n+2)+(22+2n)a(n+1), a(0) = 126, a(1) = 1470, a(2) = 9240\}$ , ogf]  
A027805 5.34148 [ $-42*(2x+3)/(x-1)^{11}$  ogf]  
A027806 33.0285  $-44*(x+2)/(7+4x)/(x-1)$  lgdogf  
A027806 4.76871 [ $\{(-7n-21)a(n+3)+(94+3n)a(n+2)+(48+4n)a(n+1), a(0) = 210, a(1) = 2640, a(2) = 17820\}$ , ogf]  
A027806 5.15021 [ $30*(4x+7)/(x-1)^{12}$  ogf]  
A027807 33.9474  $-3*(9+4x)/(x+2)/(x-1)$  lgdogf  
A027807 4.71773 [ $\{(-2n-6)a(n+3)+(29+n)a(n+2)+(13+n)a(n+1), a(0) = 330, a(1) = 4455, a(2) = 32175\}$ , ogf]  
A027808 28.9719  $-26*(2x+5)/(9+4x)/(x-1)$  lgdogf  
A027808 4.52049 [ $\{(-9n-27)a(n+3)+(140+5n)a(n+2)+(56+4n)a(n+1), a(0) = 495, a(1) = 7150, a(2) = 55055\}$ , ogf]  
A027809 27.8194  $-7*(11+4x)/(2x+5)/(x-1)$  lgdogf  
A027809 4.34263 [ $\{(-5n-15)a(n+3)+(83+3n)a(n+2)+(30+2n)a(n+1), a(0) = 715, a(1) = 11011, a(2) = 90090\}$ , ogf]  
A027810 25.3951  $-6*(2+5x)/(5x+1)/(x-1)$  lgdogf  
A027810 4.07157 [ $\{(n+3)a(n+3)+(-4+4n)a(n+2)+(-35-5n)a(n+1), a(0) = 1, a(1) = 12, a(2) = 63\}$ , ogf]  
A027810 6.99944 [ $-(5x+1)/(x-1)^7$  ogf]

A027811 25.9547  $-7*(3+5*x)/(2+5*x)/(x-1)$  lgdogf  
A027811 4.10385  $[ \{ (-2*n-6)*a(n+3)+(15-3*n)*a(n+2)+(40+5*n)*a(n+1), a(0) = 6, a(1) = 63, a(2) = 336 \},$  ogf]  
A027811 6.42522  $[ 3*(5*x+2)/(x-1)^8$  ogf]  
A027812 25.8852  $-8*(5*x+4)/(3+5*x)/(x-1)$  lgdogf  
A027812 4.01341  $[ \{ (-3*n-9)*a(n+3)+(28-2*n)*a(n+2)+(45+5*n)*a(n+1), a(0) = 21, a(1) = 224, a(2) = 1260 \},$  ogf]  
A027812 5.71278  $[ -7*(5*x+3)/(x-1)^9$  ogf]  
A027813 25.4929  $-45*(x+1)/(5*x+4)/(x-1)$  lgdogf  
A027813 3.76653  $[ \{ (-4*n-12)*a(n+3)+(43-n)*a(n+2)+(50+5*n)*a(n+1), a(0) = 56, a(1) = 630, a(2) = 3780 \},$  ogf]  
A027813 4.75301  $[ 14*(5*x+4)/(x-1)^{10}$  ogf]  
A027814 33.0667  $-2*(6+5*x)/(x-1)/(x+1)$  lgdogf  
A027814 33.2251  $[ [12-x]$  ogf\_with\_Euler\_transform]  
A027814 5.14126  $[ \{ (-n-3)*a(n+3)+12*a(n+2)+(11+n)*a(n+1), a(0) = 126, a(1) = 1512, a(2) = 9702 \},$  ogf]  
A027814 5.32620  $[ -126*(x+1)/(x-1)^{11}$  ogf]  
A027815 28.9838  $-11*(7+5*x)/(6+5*x)/(x-1)$  lgdogf  
A027815 4.55128  $[ \{ (-6*n-18)*a(n+3)+(79+n)*a(n+2)+(60+5*n)*a(n+1), a(0) = 252, a(1) = 3234, a(2) = 22176 \},$  ogf]  
A027816 28.2194  $-12*(8+5*x)/(7+5*x)/(x-1)$  lgdogf  
A027816 4.40507  $[ \{ (-7*n-21)*a(n+3)+(100+2*n)*a(n+2)+(65+5*n)*a(n+1), a(0) = 462, a(1) = 6336, a(2) = 46332 \},$  ogf]  
A027817 29.7244  $-13*(5*x+9)/(8+5*x)/(x-1)$  lgdogf  
A027817 4.60764  $[ \{ (-8*n-24)*a(n+3)+(123+3*n)*a(n+2)+(70+5*n)*a(n+1), a(0) = 792, a(1) = 11583, a(2) = 90090 \},$  ogf]  
A027818 24.7916  $-14*(1+3*x)/(6*x+1)/(x-1)$  lgdogf  
A027818 4.13803  $[ \{ (n+3)*a(n+3)+(-4+5*n)*a(n+2)+(-48-6*n)*a(n+1), a(0) = 1, a(1) = 14, a(2) = 84 \},$  ogf]  
A027818 6.46039  $[ (6*x+1)/(x-1)^8$  ogf]  
A027819 25.1525  $-12*(2*x+1)/(1+3*x)/(x-1)$  lgdogf  
A027819 4.16783  $[ \{ (n+3)*a(n+3)+(-8+2*n)*a(n+2)+(-27-3*n)*a(n+1), a(0) = 7, a(1) = 84, a(2) = 504 \},$  ogf]  
A027819 5.83496  $[ -7*(3*x+1)/(x-1)^9$  ogf]  
A027820 23.6468  $-6*(3*x+2)/(2*x+1)/(x-1)$  lgdogf  
A027820 3.67130  $[ \{ (-n-3)*a(n+3)+(10-n)*a(n+2)+(20+2*n)*a(n+1), a(0) = 28, a(1) = 336, a(2) = 2100 \},$  ogf]  
A027820 4.60370  $[ 28*(2*x+1)/(x-1)^{10}$  ogf]  
A027821 31.9022  $-5*(5+6*x)/(3*x+2)/(x-1)$  lgdogf  
A027821 4.89740  $[ \{ (-2*n-6)*a(n+3)+(23-n)*a(n+2)+(33+3*n)*a(n+1), a(0) = 84, a(1) = 1050, a(2) = 6930 \},$  ogf]  
A027821 5.64265  $[ -42*(3*x+2)/(x-1)^{11}$  ogf]  
A027822 31.2278  $-66*(x+1)/(5+6*x)/(x-1)$  lgdogf  
A027822 4.51205  $[ \{ (-5*n-15)*a(n+3)+(64-n)*a(n+2)+(72+6*n)*a(n+1), a(0) = 210, a(1) = 2772, a(2) = 19404 \},$  ogf]  
A027823 32.3526  $-2*(7+6*x)/(x-1)/(x+1)$  lgdogf  
A027823 32.4559  $[ [14-x]$  ogf\_with\_Euler\_transform]  
A027823 4.99516  $[ \{ (-n-3)*a(n+3)+14*a(n+2)+(13+n)*a(n+1), a(0) = 462, a(1) = 6468, a(2) = 48048 \},$  ogf]  
A027826 4.33691  $[ -(2*x^4-4*x^2+4*x-1)*(2*x-1)^3/(x-1)/(x^2+2*x-1)/(x^8+8*x^6-8*x^5-14*x^4+32*x^3-24*x^2+8*x-1)$  ogf]  
A027831 11.4150  $[ -1/(2*x^4-4*x^3-2*x^2+4*x-1)$  ogf]  
A027831 11.6303  $-4*(2*x-1)*(x^2-x-1)/(-2*x^2-1+4*x+2*x^4-4*x^3)$  lgdogf  
A027849 13.9035  $-2*(10+37*x+13*x^2)/(x-1)/(13*x^2+16*x+1)$  lgdogf  
A027849 8.22223  $[ (13*x^2+16*x+1)/(x-1)^4$  ogf]  
A027850 6.26558  $[ -(71*x^3+201*x^2+63*x+1)/(x-1)^5$  ogf]  
A027850 9.60578  $-2*(34+327*x+71*x^3+408*x^2)/(x-1)/(71*x^3+201*x^2+63*x+1)$  lgdogf  
A027865 14.3103  $-(91-86*x+31*x^2)/(x-1)/(31*x^2-74*x+55)$  lgdogf  
A027865 5.05718  $[ \{ a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 55, a(1) = 91, a(2) = 139 \},$  ogf]

A027865 9.16614 [  $-(31x^2-74x+55)/(x-1)^3$  ogf]  
A027868 9.46497 [  $x^5*(2x^{20}+x^{15}+x^{10}+x^5+1)/(x^4+x^3+x^2+x+1)/(x^{20}+x^{15}+x^{10}+x^5+1)/(x-1)^2$  ogf]  
A027903 11.9898 [  $2x*(5x+4)/(x-1)^4$  ogf]  
A027903 32.5141  $-3*(7+5x)/(5x+4)/(x-1)$  lgdogf  
A027903 5.20611 [  $\{(8+4n)*a(n+3)+(-20+n)*a(n+2)+(-15-5n)*a(n+1), a(0) = 0, a(1) = 8, a(2) = 42\}$ , ogf]  
A027906 9.99547 [  $-(4x^2+4x+4)/(-x^4+2x^2-1)$  ogf\_with\_Euler\_transform]  
A027916 12.0835 [  $-(x+2)/(x^2+x+1)/(x-1)^3$  ogf]  
A027916 19.0205  $-(5+6x+4x^2+12x^3)/(x+2)/(x-1)/(x^2+x+1)$  lgdogf  
A027927 11.3478  $-(2-2x+x^4-2x^3+6x^2)/(x-1)/(x^4-3x^3+5x^2-3x+1)$  lgdogf  
A027927 6.60122 [  $-(x^4-3x^3+5x^2-3x+1)/(x-1)^5$  ogf]  
A027928 11.4769  $-(3-5x+2x^4-5x^3+11x^2)/(x-1)/(x^4-3x^3+5x^2-3x+1)$  lgdogf  
A027928 6.42698 [  $(x^4-3x^3+5x^2-3x+1)/(x-1)^6$  ogf]  
A027929 5.15596 [  $-(x^2-x+1)*(x^4-4x^3+7x^2-4x+1)/(x-1)^7$  ogf]  
A027929 8.43648  $-(2-6x-4x^5+11x^4-12x^3+x^6+15x^2)/(x-1)/(x^2-x+1)/(x^4-4x^3+7x^2-4x+1)$  lgdogf  
A027930 4.67015 [  $(x^2-x+1)*(x^4-4x^3+7x^2-4x+1)/(x-1)^8$  ogf]  
A027930 7.86131  $-(3-11x-9x^5+23x^4-27x^3+2x^6+27x^2)/(x-1)/(x^2-x+1)/(x^4-4x^3+7x^2-4x+1)$  lgdogf  
A027931 4.03657 [  $-(x^8-7x^7+23x^6-44x^5+55x^4-44x^3+23x^2-7x+1)/(x-1)^9$  ogf]  
A027931 5.95003  $-(2-10x-38x^5+55x^4-44x^3+x^8-6x^7+20x^6+29x^2)/(x-1)/(x^8-7x^7+23x^6-44x^5+55x^4-44x^3+23x^2-7x+1)$  lgdogf  
A027932 3.49312 [  $(x^8-7x^7+23x^6-44x^5+55x^4-44x^3+23x^2-7x+1)/(x-1)^{10}$  ogf]  
A027932 5.40704  $-(3-17x-82x^5+110x^4-88x^3+2x^8-13x^7+43x^6+52x^2)/(x-1)/(x^8-7x^7+23x^6-44x^5+55x^4-44x^3+23x^2-7x+1)$  lgdogf  
A027933 3.57671 [  $-(x^2-x+1)*(x^4-5x^3+9x^2-5x+1)*(x^4-3x^3+5x^2-3x+1)/(x-1)^{11}$  ogf]  
A027934 12.1605 [  $-x*(x-1)/(2x-1)/(x^2+x-1)$  ogf]  
A027934 15.5171  $-(2-2x+4x^3-5x^2)/(x-1)/(2x-1)/(x^2+x-1)$  lgdogf  
A027934 6.24458 [  $\{-a(n+3)+3a(n+2)-a(n+1)-2a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A027937 8.49038 [  $-(x^2-2x-1)/(x^2-3x+1)/(x-1)^2$  ogf]  
A027937 9.87863  $-(x+1)*(2x^3-11x^2+18x-7)/(x-1)/(x^2-3x+1)/(x^2-2x-1)$  lgdogf  
A027938 4.82049 [  $-(x^3+x^2-9x-1)/(x^2-3x+1)/(x-1)^4$  ogf]  
A027938 6.53027  $-(16-8x+3x^5-x^4-59x^3+113x^2)/(x-1)/(x^2-3x+1)/(x^3+x^2-9x-1)$  lgdogf  
A027939 3.74466 [  $-(x^4+8x^3-20x^2-20x-1)/(x^2-3x+1)/(x-1)^6$  ogf]  
A027941 18.6651 [  $-x/(x-1)/(x^2-3x+1)$  ogf]  
A027941 20.4097  $-(3x-2)*(x-2)/(x^2-3x+1)/(x-1)$  lgdogf  
A027941 6.89432 [  $\{a(n+3)-4a(n+2)+4a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A027942 12.3076  $-(-11+8x+6x^4-32x^3+41x^2)/(x-1)/(x^2-3x+1)/(2x^2-5x-1)$  lgdogf  
A027942 9.82789 [  $(2x^2-5x-1)/(x^2-3x+1)/(x-1)^3$  ogf]  
A027943 4.15445 [  $(4x^3-5x^2-14x-1)/(x^2-3x+1)/(x-1)^5$  ogf]  
A027943 5.42265  $-(22-46x+16x^5-57x^4-40x^3+229x^2)/(x-1)/(x^2-3x+1)/(4x^3-5x^2-14x-1)$  lgdogf  
A027944 3.17745 [  $(6x^4+7x^3-49x^2-27x-1)/(x^2-3x+1)/(x-1)^7$  ogf]  
A027946 6.06504  $-(7-4x+128x^5-x^4-158x^3+12x^8-28x^7-42x^6+101x^2)/(x-1)/(2x-1)/(x^2+x-1)/(x^2-x-1)/(2x^3-2x^2-5x+4)$  lgdogf  
A027946 6.75991 [  $x^3*(2x^3-2x^2-5x+4)/(2x-1)/(x-1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A027947 12.1476 [  $(x+1)/(x^4-x^3-2x^2+1)$  ogf]  
A027947 13.2894  $-(1-4x+3x^4+2x^3-5x^2)/(x+1)/(x^4-x^3-2x^2+1)$  lgdogf  
A027949 7.17216 [  $(x^5-6x^4+14x^3-14x^2+2x-1)/(x^2-3x+1)/(x-1)^3$  ogf]  
A027949 8.91263  $-(2x-1)*(x^4-2x^3-9x^2+18x+4)/(x-1)/(x^2-3x+1)/(x^5-6x^4+14x^3-14x^2+2x-1)$  lgdogf  
A027950 5.06045 [  $(x^7-8x^6+26x^5-44x^4+49x^3-41x^2+2x-1)/(x^2-3x+1)/$

$(x-1)^5 \text{ ogf}$   
A027951 3.82134 [  $(x^9-10x^8+43x^7-105x^6+162x^5-148x^4+84x^3-92x^2+2x-1)/(x^2-3x+1)/(x-1)^7 \text{ ogf}$  ]  
A027953 7.87125 [  $(x^4-5x^3+7x^2-2x+1)/(x^2-3x+1)/(x-1)^2 \text{ ogf}$  ]  
A027953 9.64518  $(-3-x+2x^4-12x^3+18x^2)/(x-1)/(x^2-3x+1)/(x^4-5x^3+7x^2-2x+1) \text{ lgdogf}$   
A027954 3.63857 [  $(x^6-7x^5+19x^4-29x^3+25x^2-2x+1)/(x^2-3x+1)/(x-1)^4 \text{ ogf}$  ]  
A027958 5.78202 [  $-(2x^6-6x^4-x^3+2x^2+x-1)/(x-1)/(2x-1)/(x+1)/(x^2+x-1)/(x^2-x-1) \text{ ogf}$  ]  
A027959 6.49763  $-(1+4x+2x^5-12x^4-6x^3-4x^8-2x^7+10x^6+3x^2+2x^9)/(x-1)/(x+1)/(x^4-x^3-2x^2+1)/(x^4-x^3-x^2+x+1) \text{ lgdogf}$   
A027959 7.25159 [  $-(x^4-x^3-x^2+x+1)/(x-1)/(x+1)/(x^4-x^3-2x^2+1) \text{ ogf}$  ]  
A027961 15.8806 [  $(2x+1)/(x-1)/(x^2+x-1) \text{ ogf}$  ]  
A027961 17.0830  $(-4+4x^3+3x^2)/(x-1)/(2x+1)/(x^2+x-1) \text{ lgdogf}$   
A027961 7.60239 [  $\{a(n+3)-2a(n+2)+a(n), a(0) = 1, a(1) = 4, a(2) = 8\}, \text{ ogf}$  ]  
A027962 2.99985 [  $-(2x+1)/(x^2+x-1)/(x-1)^2 \text{ ogf}$  ]  
A027963 14.1175  $(-6-2x+8x^3+9x^2)/(x-1)/(2x+1)/(x^2+x-1) \text{ lgdogf}$   
A027963 9.40614 [  $(2x+1)/(x^2+x-1)/(x-1)^3 \text{ ogf}$  ]  
A027964 13.3153  $(-7-3x+10x^3+12x^2)/(x-1)/(2x+1)/(x^2+x-1) \text{ lgdogf}$   
A027964 8.30423 [  $-(2x+1)/(x^2+x-1)/(x-1)^4 \text{ ogf}$  ]  
A027965 5.69812 [  $-(2x-3)*(x^2-x+1)/(x-1)^4 \text{ ogf}$  ]  
A027965 9.44778  $(-7+5x+2x^3-4x^2)/(x-1)/(2x-3)/(x^2-x+1) \text{ lgdogf}$   
A027966 5.19131 [  $(x^4-x^3-x^2+x-1)/(x-1)^5 \text{ ogf}$  ]  
A027966 9.78713  $(-4+2x+x^4+2x^3-6x^2)/(x-1)/(x^4-x^3-x^2+x-1) \text{ lgdogf}$   
A027967 5.76483 [  $-(2x-3)*(x^4-3x^3+5x^2-3x+1)/(x-1)^6 \text{ ogf}$  ]  
A027967 8.76825  $(-7+13x+2x^5-8x^4+21x^3-27x^2)/(x-1)/(2x-3)/(x^4-3x^3+5x^2-3x+1) \text{ lgdogf}$   
A027968 5.23121 [  $(x^6-3x^5+4x^4-x^3-4x^2+3x-1)/(x-1)^7 \text{ ogf}$  ]  
A027968 8.93028  $(-4+10x-3x^4+12x^3+x^6-23x^2)/(x-1)/(x^6-3x^5+4x^4-x^3-4x^2+3x-1) \text{ lgdogf}$   
A027969 4.29249 [  $-(2x-3)*(x^2-x+1)*(x^4-4x^3+7x^2-4x+1)/(x-1)^8 \text{ ogf}$  ]  
A027969 6.45174  $(-7+27x+39x^5-69x^4+81x^3+2x^7-12x^6-69x^2)/(x-1)/(2x-3)/(x^2-x+1)/(x^4-4x^3+7x^2-4x+1) \text{ lgdogf}$   
A027970 4.00293 [  $(x^8-5x^7+11x^6-10x^5-x^4+10x^3-11x^2+5x-1)/(x-1)^9 \text{ ogf}$  ]  
A027970 6.02509  $(-4+18x+26x^5-55x^4+56x^3+x^8-2x^7-2x^6-47x^2)/(x-1)/(x^8-5x^7+11x^6-10x^5-x^4+10x^3-11x^2+5x-1) \text{ lgdogf}$   
A027973 11.6005  $(4-6x+4x^4-4x^3-x^2)/(x-1)/(2x+1)/(2x-1)/(x^2+x-1) \text{ lgdogf}$   
A027973 13.1262 [  $-(2x+1)*(x-1)/(2x-1)/(x^2+x-1) \text{ ogf}$  ]  
A027973 7.14912 [  $\{a(n+3)-3a(n+2)+a(n+1)+2a(n), a(0) = 1, a(1) = 4, a(2) = 9\}, \text{ ogf}$  ]  
A027974 12.2621 [  $(2x+1)/(2x-1)/(x^2+x-1) \text{ ogf}$  ]  
A027974 13.5408  $(-5+2x+8x^3+8x^2)/(2x+1)/(2x-1)/(x^2+x-1) \text{ lgdogf}$   
A027974 5.75123 [  $\{a(n+3)-3a(n+2)+a(n+1)+2a(n), a(0) = 1, a(1) = 5, a(2) = 14\}, \text{ ogf}$  ]  
A027975 7.78272 [  $(2x^2+1)/(x-1)/(x^3+x^2-1) \text{ ogf}$  ]  
A027975 7.81367  $(-1-6x+4x^5+4x^3+2x^2)/(x-1)/(2x^2+1)/(x^3+x^2-1) \text{ lgdogf}$   
A027976 5.75147  $(-1-6x+4x^5+3x^4+4x^3+6x^6-x^2)/(x-1)/(x^2+x+1)/(x^2+x-1)/(2x^2+1) \text{ lgdogf}$   
A027976 5.93405 [  $(2x^2+1)/(x-1)/(x^2+x+1)/(x^2+x-1) \text{ ogf}$  ]  
A027978 10.1239  $(-11+15x+8x^4-2x^3-9x^2)/(x^2-3x+1)/(8x^3-13x^2+5x+1) \text{ lgdogf}$   
A027978 8.10832 [  $(8x^3-13x^2+5x+1)/(x^2-3x+1)^2 \text{ ogf}$  ]  
A027979 6.60898 [  $(2x^4+7x^3-16x^2+5x+1)/(x+1)/(x^2-3x+1)^2 \text{ ogf}$  ]  
A027979 6.75965  $(-10+12x+20x^5-35x^4+35x^3+2x^6-15x^2)/(x+1)/(x^2-3x+1)/(2x^4+7x^3-16x^2+5x+1) \text{ lgdogf}$   
A027980 6.94736 [  $(6x^3-12x^2+8x+1)/(x+1)/(x^2-3x+1)^2 \text{ ogf}$  ]  
A027980 7.59430  $(-13-5x+12x^5-30x^4+50x^3-25x^2)/(x+1)/(x^2-3x+1)/(6x^3-12x^2+8x+1) \text{ lgdogf}$   
A027981 10.6980 [  $(2x^2-5x-1)/(x-1)/(2x-1)^2 \text{ ogf}$  ]



A027981 13.8998  $-2*(5+2*x^3-9*x^2)/(x-1)/(2*x-1)/(2*x^2-5*x-1)$  lgdogf  
A027981 5.72435  $[ \{a(n+3)-5*a(n+2)+8*a(n+1)-4*a(n), a(0) = 1, a(1) = 10, a(2) = 40\},$  ogf]  
A027982 9.57854  $-2*(5-7*x+2*x^4+21*x^3-15*x^2)/(x-1)/(2*x-1)/(2*x^3+9*x^2-4*x-1)$  lgdogf  
A027982 9.68696  $[ -(2*x^3+9*x^2-4*x-1)/(2*x-1)^2/(x-1)^2$  ogf]  
A027983 12.2621  $[ (2*x+1)/(2*x-1)/(x^2+x-1)$  ogf]  
A027983 13.5408  $-(-5+2*x+8*x^3+8*x^2)/(2*x+1)/(2*x-1)/(x^2+x-1)$  lgdogf  
A027983 5.75123  $[ \{a(n+3)-3*a(n+2)+a(n+1)+2*a(n), a(0) = 1, a(1) = 5, a(2) = 14\},$  ogf]  
A027984 8.64623  $-2*(-3+4*x+x^5-x^4-6*x^3+x^6+7*x^2)/(x-1)/(2*x+1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  lgdogf  
A027984 8.81744  $[ (x-1)*(2*x+1)*(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A027989 13.3097  $-(-3+7*x+6*x^3-9*x^2)/(x^2-3*x+1)/(3*x^2-3*x+1)$  lgdogf  
A027989 9.12269  $[ (3*x^2-3*x+1)/(x^2-3*x+1)^2$  ogf]  
A027990 7.87125  $[ (x^3+2*x^2-3*x+1)/(x+1)/(x^2-3*x+1)^2$  ogf]  
A027990 9.93746  $-(-2+2*x^5+7*x^4-13*x^3+9*x^2)/(x+1)/(x^2-3*x+1)/(x^3+2*x^2-3*x+1)$  lgdogf  
A027991 10.5888  $-(-3-3*x+6*x^4-10*x^3+9*x^2)/(x+1)/(x^2-3*x+1)/(2*x^2-2*x+1)$  lgdogf  
A027991 8.42029  $[ (2*x^2-2*x+1)/(x+1)/(x^2-3*x+1)^2$  ogf]  
A027992 12.6372  $[ -(x+1)/(x-1)/(2*x-1)^2$  ogf]  
A027992 17.7417  $-2*(-3+2*x+2*x^2)/(x-1)/(2*x-1)/(x+1)$  lgdogf  
A027992 5.92719  $[ \{a(n+3)-5*a(n+2)+8*a(n+1)-4*a(n), a(0) = 1, a(1) = 6, a(2) = 22\},$  ogf]  
A027993 15.7446  $-2*(3-7*x+6*x^3)/(2*x-1)/(x-1)/(3*x^2-1)$  lgdogf  
A027993 9.59873  $[ -(3*x^2-1)/(2*x-1)^2/(x-1)^2$  ogf]  
A027994 12.5115  $-2*(-1+x+x^4-3*x^3+3*x^2)/(x-1)/(x^2-3*x+1)/(x^2+x-1)$  lgdogf  
A027994 9.80343  $[ -(x-1)^2/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A027998 9.58126  $[ -(-x^4-3*x^3-6*x^2-3*x-1)/(-x^6+3*x^4-3*x^2+1)$  ogf\_with\_Euler\_transform]  
A027999 10.4248  $[ -(-x^4-2*x^3-3*x^2-x)/(-x^6+3*x^4-3*x^2+1)$  ogf\_with\_Euler\_transform]  
A028000 7.81279  $-2*(-14+271*x+2376*x^3-1548*x^2)/(-1+9*x)/(6*x-1)/(2*x-1)/(11*x-1)$  lgdogf  
A028000 9.08581  $[ 1/(9*x-1)/(6*x-1)/(2*x-1)/(11*x-1)$  ogf]  
A028001 8.18975  $-(-29+576*x+5184*x^3-3348*x^2)/(12*x-1)/(6*x-1)/(-1+9*x)/(2*x-1)$  lgdogf  
A028001 9.23236  $[ 1/(12*x-1)/(6*x-1)/(9*x-1)/(2*x-1)$  ogf]  
A028002 8.10121  $-(-29+580*x+5280*x^3-3396*x^2)/(6*x-1)/(2*x-1)/(10*x-1)/(11*x-1)$  lgdogf  
A028002 9.13466  $[ 1/(6*x-1)/(2*x-1)/(10*x-1)/(11*x-1)$  ogf]  
A028003 7.01549  $-2*(-15+308*x+2880*x^3-1836*x^2)/(12*x-1)/(6*x-1)/(2*x-1)/(10*x-1)$  lgdogf  
A028003 8.17436  $[ 1/(12*x-1)/(6*x-1)/(2*x-1)/(10*x-1)$  ogf]  
A028004 7.36469  $-(-31+656*x+6336*x^3-3996*x^2)/(6*x-1)/(2*x-1)/(12*x-1)/(11*x-1)$  lgdogf  
A028004 8.31778  $[ 1/(6*x-1)/(2*x-1)/(12*x-1)/(11*x-1)$  ogf]  
A028005 9.00279  $-2*(96*x-13)*(21*x^2-11*x+1)/(-1+9*x)/(2*x-1)/(8*x-1)/(7*x-1)$  lgdogf  
A028005 9.83740  $[ 1/(9*x-1)/(2*x-1)/(8*x-1)/(7*x-1)$  ogf]  
A028006 8.13986  $-(-27+512*x+4480*x^3-2916*x^2)/(2*x-1)/(8*x-1)/(7*x-1)/(10*x-1)$  lgdogf  
A028006 9.19551  $[ 1/(2*x-1)/(8*x-1)/(7*x-1)/(10*x-1)$  ogf]  
A028007 7.93299  $-2*(-14+273*x+2464*x^3-1587*x^2)/(7*x-1)/(2*x-1)/(11*x-1)/(8*x-1)$  lgdogf  
A028007 9.08581  $[ 1/(7*x-1)/(2*x-1)/(11*x-1)/(8*x-1)$  ogf]  
A028008 8.31974  $-(-29+580*x+5376*x^3-3432*x^2)/(12*x-1)/(2*x-1)/(8*x-1)/(7*x-1)$  lgdogf  
A028008 9.23236  $[ 1/(12*x-1)/(2*x-1)/(8*x-1)/(7*x-1)$  ogf]  
A028009 11.5239  $[ 1/(9*x-1)/(2*x-1)/(7*x-1)/(10*x-1)$  ogf]

A028009 9.94864  $-2*(-14+275*x+2520*x^3-1614*x^2)/(-1+9*x)/(2*x-1)/(7*x-1)/(10*x-1)$  lgdogf  
A028010 8.05694  $-(-29+586*x+5544*x^3-3513*x^2)/(-1+9*x)/(7*x-1)/(2*x-1)/(11*x-1)$  lgdogf  
A028010 9.08581 [  $1/(9*x-1)/(7*x-1)/(2*x-1)/(11*x-1)$  ogf]  
A028011 10.2163  $-2*(-15+311*x+3024*x^3-1899*x^2)/(12*x-1)/(-1+9*x)/(2*x-1)/(7*x-1)$  lgdogf  
A028011 11.8285 [  $1/(12*x-1)/(9*x-1)/(2*x-1)/(7*x-1)$  ogf]  
A028012 7.89865  $-2*(-15+313*x+3080*x^3-1926*x^2)/(7*x-1)/(2*x-1)/(10*x-1)/(11*x-1)$  lgdogf  
A028012 9.18350 [  $1/(7*x-1)/(2*x-1)/(10*x-1)/(11*x-1)$  ogf]  
A028013 7.32137  $-(-31+664*x+6720*x^3-4164*x^2)/(12*x-1)/(2*x-1)/(7*x-1)/(10*x-1)$  lgdogf  
A028013 8.26997 [  $1/(12*x-1)/(2*x-1)/(7*x-1)/(10*x-1)$  ogf]  
A028014 7.14152  $-2*(-16+353*x+3696*x^3-2265*x^2)/(7*x-1)/(2*x-1)/(12*x-1)/(11*x-1)$  lgdogf  
A028014 8.31778 [  $1/(7*x-1)/(2*x-1)/(12*x-1)/(11*x-1)$  ogf]  
A028015 8.05694  $-(-29+592*x+5760*x^3-3612*x^2)/(-1+9*x)/(2*x-1)/(8*x-1)/(10*x-1)$  lgdogf  
A028015 9.08581 [  $1/(9*x-1)/(2*x-1)/(8*x-1)/(10*x-1)$  ogf]  
A028016 8.10121  $-6*(-5+105*x+1056*x^3-655*x^2)/(11*x-1)/(8*x-1)/(2*x-1)/(-1+9*x)$  lgdogf  
A028016 9.13466 [  $1/(11*x-1)/(8*x-1)/(2*x-1)/(9*x-1)$  ogf]  
A028017 7.27805  $-(-31+668*x+6912*x^3-4248*x^2)/(12*x-1)/(-1+9*x)/(2*x-1)/(8*x-1)$  lgdogf  
A028017 8.22216 [  $1/(12*x-1)/(9*x-1)/(2*x-1)/(8*x-1)$  ogf]  
A028018 7.23473  $-(-31+672*x+7040*x^3-4308*x^2)/(2*x-1)/(10*x-1)/(11*x-1)/(8*x-1)$  lgdogf  
A028018 8.17436 [  $1/(2*x-1)/(10*x-1)/(11*x-1)/(8*x-1)$  ogf]  
A028019 7.60226  $-8*(-4+89*x+960*x^3-582*x^2)/(12*x-1)/(2*x-1)/(8*x-1)/(10*x-1)$  lgdogf  
A028019 8.31778 [  $1/(12*x-1)/(2*x-1)/(8*x-1)/(10*x-1)$  ogf]  
A028020 7.18353  $-3*(-11+252*x+2816*x^3-1688*x^2)/(2*x-1)/(12*x-1)/(11*x-1)/(8*x-1)$  lgdogf  
A028020 8.36557 [  $1/(2*x-1)/(12*x-1)/(11*x-1)/(8*x-1)$  ogf]  
A028021 6.99355  $-2*(-16+359*x+3960*x^3-2382*x^2)/(-1+9*x)/(2*x-1)/(10*x-1)/(11*x-1)$  lgdogf  
A028021 8.26997 [  $1/(9*x-1)/(2*x-1)/(10*x-1)/(11*x-1)$  ogf]  
A028022 7.25139  $-(-33+760*x+8640*x^3-5148*x^2)/(12*x-1)/(-1+9*x)/(2*x-1)/(10*x-1)$  lgdogf  
A028022 8.31778 [  $1/(12*x-1)/(9*x-1)/(2*x-1)/(10*x-1)$  ogf]  
A028023 7.07631  $-2*(-17+403*x+4752*x^3-2799*x^2)/(-1+9*x)/(2*x-1)/(12*x-1)/(11*x-1)$  lgdogf  
A028023 8.36557 [  $1/(9*x-1)/(2*x-1)/(12*x-1)/(11*x-1)$  ogf]  
A028024 7.22554  $-(-35+856*x+10560*x^3-6132*x^2)/(2*x-1)/(12*x-1)/(10*x-1)/(11*x-1)$  lgdogf  
A028024 8.41338 [  $1/(2*x-1)/(12*x-1)/(10*x-1)/(11*x-1)$  ogf]  
A028025 8.78583  $-2*(-9+119*x+720*x^3-513*x^2)/(6*x-1)/(4*x-1)/(-1+3*x)/(5*x-1)$  lgdogf  
A028025 9.93748 [  $1/(6*x-1)/(4*x-1)/(3*x-1)/(5*x-1)$  ogf]  
A028026 10.2530 [  $1/(4*x-1)/(3*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A028026 8.92679  $-(-19+262*x+1680*x^3-1167*x^2)/(4*x-1)/(-1+3*x)/(7*x-1)/(5*x-1)$  lgdogf  
A028027 8.25820  $-2*(-10+143*x+960*x^3-654*x^2)/(4*x-1)/(-1+3*x)/(8*x-1)/(5*x-1)$  lgdogf  
A028027 9.49693 [  $1/(4*x-1)/(3*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A028028 8.49046  $-(-21+310*x+2160*x^3-1449*x^2)/(4*x-1)/(-1+3*x)/(-1+9*x)/(5*x-1)$  lgdogf  
A028028 9.90984 [  $1/(4*x-1)/(3*x-1)/(9*x-1)/(5*x-1)$  ogf]  
A028029 8.35984  $-2*(-11+167*x+1200*x^3-795*x^2)/(4*x-1)/(-1+3*x)/(5*x-1)/(10*x-1)$  lgdogf

A028029 9.90984 [ 1/(4\*x-1)/(3\*x-1)/(5\*x-1)/(10\*x-1) ogf]  
A028030 7.79133 -(-23+358\*x+2640\*x^3-1731\*x^2)/(-1+3\*x)/(5\*x-1)/(4\*x-1)/(11\*x-1)  
lgdogf  
A028030 9.10675 [ 1/(3\*x-1)/(5\*x-1)/(4\*x-1)/(11\*x-1) ogf]  
A028031 7.84581 -2\*(-12+191\*x+1440\*x^3-936\*x^2)/(12\*x-1)/(4\*x-1)/(-1+3\*x)/  
(5\*x-1) lgdogf  
A028031 9.30912 [ 1/(12\*x-1)/(4\*x-1)/(3\*x-1)/(5\*x-1) ogf]  
A028032 7.99368 -2\*(-10+145\*x+1008\*x^3-675\*x^2)/(6\*x-1)/(-1+3\*x)/(7\*x-1)/(4\*x-1)  
lgdogf  
A028032 9.34209 [ 1/(6\*x-1)/(3\*x-1)/(7\*x-1)/(4\*x-1) ogf]  
A028033 8.34996 -(-21+316\*x+2304\*x^3-1512\*x^2)/(6\*x-1)/(4\*x-1)/(-1+3\*x)/(8\*x-1)  
lgdogf  
A028033 9.60016 [ 1/(6\*x-1)/(4\*x-1)/(3\*x-1)/(8\*x-1) ogf]  
A028034 8.35984 -2\*(-11+171\*x+1296\*x^3-837\*x^2)/(6\*x-1)/(4\*x-1)/(-1+3\*x)/  
(-1+9\*x) lgdogf  
A028034 9.90984 [ 1/(6\*x-1)/(4\*x-1)/(3\*x-1)/(9\*x-1) ogf]  
A028035 8.49046 -(-23+368\*x+2880\*x^3-1836\*x^2)/(6\*x-1)/(4\*x-1)/(-1+3\*x)/(10\*x-1)  
lgdogf  
A028035 9.90984 [ 1/(6\*x-1)/(4\*x-1)/(3\*x-1)/(10\*x-1) ogf]  
A028036 7.75864 -2\*(-12+197\*x+1584\*x^3-999\*x^2)/(6\*x-1)/(-1+3\*x)/(4\*x-1)/  
(11\*x-1) lgdogf  
A028036 9.20793 [ 1/(6\*x-1)/(3\*x-1)/(4\*x-1)/(11\*x-1) ogf]  
A028037 8.49963 -(24\*x-5)\*(144\*x^2-60\*x+5)/(6\*x-1)/(-1+3\*x)/(12\*x-1)/(4\*x-1)  
lgdogf  
A028037 9.30912 [ 1/(6\*x-1)/(3\*x-1)/(12\*x-1)/(4\*x-1) ogf]  
A028038 8.30981 -2\*(-11+173\*x+1344\*x^3-858\*x^2)/(4\*x-1)/(-1+3\*x)/(8\*x-1)/(7\*x-1)  
lgdogf  
A028038 9.70339 [ 1/(4\*x-1)/(3\*x-1)/(8\*x-1)/(7\*x-1) ogf]  
A028039 8.49046 -(-23+374\*x+3024\*x^3-1899\*x^2)/(4\*x-1)/(-1+3\*x)/(-1+9\*x)/(7\*x-1)  
lgdogf  
A028039 9.90984 [ 1/(4\*x-1)/(3\*x-1)/(9\*x-1)/(7\*x-1) ogf]  
A028040 8.90803 -6\*(5\*x-1)\*(112\*x^2-47\*x+4)/(4\*x-1)/(-1+3\*x)/(7\*x-1)/(10\*x-1)  
lgdogf  
A028040 9.90984 [ 1/(4\*x-1)/(3\*x-1)/(7\*x-1)/(10\*x-1) ogf]  
A028041 7.92413 -(-25+430\*x+3696\*x^3-2265\*x^2)/(11\*x-1)/(-1+3\*x)/(7\*x-1)/(4\*x-1)  
lgdogf  
A028041 9.25852 [ 1/(11\*x-1)/(3\*x-1)/(7\*x-1)/(4\*x-1) ogf]  
A028042 7.76986 -2\*(-13+229\*x+2016\*x^3-1224\*x^2)/(12\*x-1)/(4\*x-1)/(-1+3\*x)/  
(7\*x-1) lgdogf  
A028042 9.19551 [ 1/(12\*x-1)/(4\*x-1)/(3\*x-1)/(7\*x-1) ogf]  
A028043 8.23318 -2\*(-12+203\*x+1728\*x^3-1062\*x^2)/(4\*x-1)/(-1+3\*x)/(-1+9\*x)/  
(8\*x-1) lgdogf  
A028043 9.90984 [ 1/(4\*x-1)/(3\*x-1)/(9\*x-1)/(8\*x-1) ogf]  
A028044 7.83560 -(-25+436\*x+3840\*x^3-2328\*x^2)/(4\*x-1)/(-1+3\*x)/(8\*x-1)/(10\*x-1)  
lgdogf  
A028044 9.15734 [ 1/(4\*x-1)/(3\*x-1)/(8\*x-1)/(10\*x-1) ogf]  
A028045 11.6228 [ 1/(3\*x-1)/(4\*x-1)/(11\*x-1)/(8\*x-1) ogf]  
A028045 9.85941 -2\*(-13+233\*x+2112\*x^3-1266\*x^2)/(-1+3\*x)/(4\*x-1)/(11\*x-1)/  
(8\*x-1) lgdogf  
A028046 10.3515 -(-27+496\*x+4608\*x^3-2736\*x^2)/(12\*x-1)/(4\*x-1)/(-1+3\*x)/(8\*x-1)  
lgdogf  
A028046 11.8294 [ 1/(12\*x-1)/(4\*x-1)/(3\*x-1)/(8\*x-1) ogf]  
A028047 7.61161 -2\*(-13+235\*x+2160\*x^3-1287\*x^2)/(4\*x-1)/(-1+3\*x)/(-1+9\*x)/  
(10\*x-1) lgdogf  
A028047 9.14581 [ 1/(4\*x-1)/(3\*x-1)/(9\*x-1)/(10\*x-1) ogf]  
A028048 7.88940 -(-27+502\*x+4752\*x^3-2799\*x^2)/(-1+9\*x)/(-1+3\*x)/(4\*x-1)/  
(11\*x-1) lgdogf  
A028048 9.19551 [ 1/(9\*x-1)/(3\*x-1)/(4\*x-1)/(11\*x-1) ogf]  
A028049 7.82304 -2\*(-14+267\*x+2592\*x^3-1512\*x^2)/(12\*x-1)/(4\*x-1)/(-1+3\*x)/  
(-1+9\*x) lgdogf  
A028049 9.23236 [ 1/(12\*x-1)/(4\*x-1)/(3\*x-1)/(9\*x-1) ogf]

A028050 7.69618  $-2*(-14+269*x+2640*x^3-1533*x^2)/(-1+3*x)/(10*x-1)/(4*x-1)/(11*x-1)$  lgdogf  
A028050 9.08581 [  $1/(3*x-1)/(10*x-1)/(4*x-1)/(11*x-1)$  ogf]  
A028051 7.08077  $-(-29+572*x+5760*x^3-3312*x^2)/(12*x-1)/(4*x-1)/(-1+3*x)/(10*x-1)$  lgdogf  
A028051 8.12655 [  $1/(12*x-1)/(4*x-1)/(3*x-1)/(10*x-1)$  ogf]  
A028052 6.95217  $-2*(-15+305*x+3168*x^3-1800*x^2)/(11*x-1)/(-1+3*x)/(12*x-1)/(4*x-1)$  lgdogf  
A028052 8.22216 [  $1/(11*x-1)/(3*x-1)/(12*x-1)/(4*x-1)$  ogf]  
A028053 8.21232  $-(-21+322*x+2520*x^3-1593*x^2)/(6*x-1)/(-1+3*x)/(7*x-1)/(5*x-1)$  lgdogf  
A028053 9.44532 [  $1/(6*x-1)/(3*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A028054 8.26465  $-2*(-11+175*x+1440*x^3-891*x^2)/(6*x-1)/(-1+3*x)/(8*x-1)/(5*x-1)$  lgdogf  
A028054 9.65177 [  $1/(6*x-1)/(3*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A028055 8.49046  $-(-23+378*x+3240*x^3-1971*x^2)/(6*x-1)/(-1+3*x)/(-1+9*x)/(5*x-1)$  lgdogf  
A028055 9.90984 [  $1/(6*x-1)/(3*x-1)/(9*x-1)/(5*x-1)$  ogf]  
A028056 8.23318  $-2*(-12+203*x+1800*x^3-1080*x^2)/(6*x-1)/(-1+3*x)/(5*x-1)/(10*x-1)$  lgdogf  
A028056 9.90984 [  $1/(6*x-1)/(3*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A028057 7.92413  $-(-25+434*x+3960*x^3-2349*x^2)/(6*x-1)/(-1+3*x)/(5*x-1)/(11*x-1)$  lgdogf  
A028057 9.25852 [  $1/(6*x-1)/(3*x-1)/(5*x-1)/(11*x-1)$  ogf]  
A028058 7.76986  $-2*(-13+231*x+2160*x^3-1269*x^2)/(12*x-1)/(6*x-1)/(-1+3*x)/(5*x-1)$  lgdogf  
A028058 9.19551 [  $1/(12*x-1)/(6*x-1)/(3*x-1)/(5*x-1)$  ogf]  
A028059 8.48759  $-(-23+382*x+3360*x^3-2019*x^2)/(-1+3*x)/(8*x-1)/(7*x-1)/(5*x-1)$  lgdogf  
A028059 9.75500 [  $1/(3*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A028060 8.62523  $-4*(-6+103*x+945*x^3-558*x^2)/(-1+3*x)/(-1+9*x)/(7*x-1)/(5*x-1)$  lgdogf  
A028060 9.90984 [  $1/(3*x-1)/(9*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A028061 8.49046  $-(-25+442*x+4200*x^3-2445*x^2)/(-1+3*x)/(7*x-1)/(5*x-1)/(10*x-1)$  lgdogf  
A028061 9.73598 [  $1/(3*x-1)/(7*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A028062 7.72694  $-2*(-13+236*x+2310*x^3-1329*x^2)/(7*x-1)/(-1+3*x)/(5*x-1)/(11*x-1)$  lgdogf  
A028062 9.14581 [  $1/(7*x-1)/(3*x-1)/(5*x-1)/(11*x-1)$  ogf]  
A028063 8.05694  $-(-27+502*x+5040*x^3-2871*x^2)/(12*x-1)/(-1+3*x)/(7*x-1)/(5*x-1)$  lgdogf  
A028063 9.24521 [  $1/(12*x-1)/(3*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A028064 8.49046  $-(-25+446*x+4320*x^3-2493*x^2)/(-1+3*x)/(-1+9*x)/(8*x-1)/(5*x-1)$  lgdogf  
A028064 9.73598 [  $1/(3*x-1)/(9*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A028065 7.68401  $-2*(-13+239*x+2400*x^3-1365*x^2)/(-1+3*x)/(8*x-1)/(5*x-1)/(10*x-1)$  lgdogf  
A028065 9.09609 [  $1/(3*x-1)/(8*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A028066 8.01267  $-3*(-9+170*x+1760*x^3-989*x^2)/(-1+3*x)/(5*x-1)/(11*x-1)/(8*x-1)$  lgdogf  
A028066 9.19551 [  $1/(3*x-1)/(5*x-1)/(11*x-1)/(8*x-1)$  ogf]  
A028067 8.27477  $-2*(6*x-1)*(480*x^2-187*x+14)/(12*x-1)/(-1+3*x)/(8*x-1)/(5*x-1)$  lgdogf  
A028067 9.18350 [  $1/(12*x-1)/(3*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A028068 7.88940  $-(-27+514*x+5400*x^3-3015*x^2)/(-1+3*x)/(-1+9*x)/(5*x-1)/(10*x-1)$  lgdogf  
A028068 9.03697 [  $1/(3*x-1)/(9*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A028069 7.93299  $-4*(-7+137*x+1485*x^3-819*x^2)/(-1+9*x)/(-1+3*x)/(5*x-1)/(11*x-1)$  lgdogf  
A028069 9.08581 [  $1/(9*x-1)/(3*x-1)/(5*x-1)/(11*x-1)$  ogf]  
A028070 8.06375  $-(-29+582*x+6480*x^3-3537*x^2)/(12*x-1)/(-1+3*x)/(-1+9*x)/$

$(5^*x-1)$  lgdogf  
A028070 9.23236 [  $1/(12^*x-1)/(3^*x-1)/(9^*x-1)/(5^*x-1)$  ogf]  
A028071 7.93299  $-(-29+586^*x+6600^*x^3-3585^*x^2)/(-1+3^*x)/(5^*x-1)/(10^*x-1)/$   
 $(11^*x-1)$  lgdogf  
A028071 9.08581 [  $1/(3^*x-1)/(5^*x-1)/(10^*x-1)/(11^*x-1)$  ogf]  
A028072 6.91078  $-2^*(-15+311^*x+3600^*x^3-1935^*x^2)/(12^*x-1)/(-1+3^*x)/(5^*x-1)/$   
 $(10^*x-1)$  lgdogf  
A028072 8.17436 [  $1/(12^*x-1)/(3^*x-1)/(5^*x-1)/(10^*x-1)$  ogf]  
A028073 7.20873  $-(-31+662^*x+7920^*x^3-4203^*x^2)/(-1+3^*x)/(5^*x-1)/(12^*x-1)/$   
 $(11^*x-1)$  lgdogf  
A028073 8.26997 [  $1/(3^*x-1)/(5^*x-1)/(12^*x-1)/(11^*x-1)$  ogf]  
A028074 8.31537  $-2^*(-12+209^*x+2016^*x^3-1161^*x^2)/(6^*x-1)/(-1+3^*x)/(8^*x-1)/$   
 $(7^*x-1)$  lgdogf  
A028074 9.68528 [  $1/(6^*x-1)/(3^*x-1)/(8^*x-1)/(7^*x-1)$  ogf]  
A028075 8.49046  $-(-25+450^*x+4536^*x^3-2565^*x^2)/(6^*x-1)/(-1+3^*x)/(7^*x-1)/(-1+9^*x)$   
lgdogf  
A028075 9.73598 [  $1/(6^*x-1)/(3^*x-1)/(7^*x-1)/(9^*x-1)$  ogf]  
A028076 11.5711 [  $1/(6^*x-1)/(3^*x-1)/(7^*x-1)/(10^*x-1)$  ogf]  
A028076 9.81480  $-2^*(-13+241^*x+2520^*x^3-1404^*x^2)/(6^*x-1)/(-1+3^*x)/(7^*x-1)/$   
 $(10^*x-1)$  lgdogf  
A028077 8.01267  $-(-27+514^*x+5544^*x^3-3051^*x^2)/(6^*x-1)/(7^*x-1)/(-1+3^*x)/(11^*x-1)$   
lgdogf  
A028077 9.03697 [  $1/(6^*x-1)/(7^*x-1)/(3^*x-1)/(11^*x-1)$  ogf]  
A028078 11.6762 [  $1/(12^*x-1)/(6^*x-1)/(3^*x-1)/(7^*x-1)$  ogf]  
A028078 7.85572  $-2^*(-14+273^*x+3024^*x^3-1647^*x^2)/(12^*x-1)/(6^*x-1)/(-1+3^*x)/$   
 $(7^*x-1)$  lgdogf  
A028079 8.23318  $-2^*(-13+243^*x+2592^*x^3-1431^*x^2)/(6^*x-1)/(-1+3^*x)/(-1+9^*x)/$   
 $(8^*x-1)$  lgdogf  
A028079 9.73598 [  $1/(6^*x-1)/(3^*x-1)/(9^*x-1)/(8^*x-1)$  ogf]  
A028080 8.01267  $-(-27+520^*x+5760^*x^3-3132^*x^2)/(6^*x-1)/(-1+3^*x)/(8^*x-1)/(10^*x-1)$   
lgdogf  
A028080 9.03697 [  $1/(6^*x-1)/(3^*x-1)/(8^*x-1)/(10^*x-1)$  ogf]  
A028081 7.81279  $-2^*(-14+277^*x+3168^*x^3-1701^*x^2)/(6^*x-1)/(-1+3^*x)/(11^*x-1)/$   
 $(8^*x-1)$  lgdogf  
A028081 9.08581 [  $1/(6^*x-1)/(3^*x-1)/(11^*x-1)/(8^*x-1)$  ogf]  
A028082 8.18975  $-(-29+588^*x+6912^*x^3-3672^*x^2)/(12^*x-1)/(6^*x-1)/(-1+3^*x)/(8^*x-1)$   
lgdogf  
A028082 9.23236 [  $1/(12^*x-1)/(6^*x-1)/(3^*x-1)/(8^*x-1)$  ogf]  
A028083 7.65390  $-2^*(-14+279^*x+3240^*x^3-1728^*x^2)/(6^*x-1)/(-1+3^*x)/(-1+9^*x)/$   
 $(10^*x-1)$  lgdogf  
A028083 9.03697 [  $1/(6^*x-1)/(3^*x-1)/(9^*x-1)/(10^*x-1)$  ogf]  
A028084 7.93299  $-(-29+594^*x+7128^*x^3-3753^*x^2)/(-1+9^*x)/(6^*x-1)/(-1+3^*x)/$   
 $(11^*x-1)$  lgdogf  
A028084 9.08581 [  $1/(9^*x-1)/(6^*x-1)/(3^*x-1)/(11^*x-1)$  ogf]  
A028085 7.08077  $-6^*(-5+105^*x+1296^*x^3-675^*x^2)/(6^*x-1)/(-1+3^*x)/(12^*x-1)/$   
 $(-1+9^*x)$  lgdogf  
A028085 8.12655 [  $1/(6^*x-1)/(3^*x-1)/(12^*x-1)/(9^*x-1)$  ogf]  
A028086 7.78076  $-2^*(-15+317^*x+3960^*x^3-2052^*x^2)/(6^*x-1)/(-1+3^*x)/(10^*x-1)/$   
 $(11^*x-1)$  lgdogf  
A028086 9.18350 [  $1/(6^*x-1)/(3^*x-1)/(10^*x-1)/(11^*x-1)$  ogf]  
A028087 7.20873  $-(-31+672^*x+8640^*x^3-4428^*x^2)/(12^*x-1)/(6^*x-1)/(-1+3^*x)/$   
 $(10^*x-1)$  lgdogf  
A028087 8.26997 [  $1/(12^*x-1)/(6^*x-1)/(3^*x-1)/(10^*x-1)$  ogf]  
A028088 7.03493  $-2^*(-16+357^*x+4752^*x^3-2403^*x^2)/(6^*x-1)/(-1+3^*x)/(12^*x-1)/$   
 $(11^*x-1)$  lgdogf  
A028088 8.31778 [  $1/(6^*x-1)/(3^*x-1)/(12^*x-1)/(11^*x-1)$  ogf]  
A028089 7.83560  $-(-27+526^*x+6048^*x^3-3231^*x^2)/(-1+3^*x)/(-1+9^*x)/(8^*x-1)/(7^*x-1)$   
lgdogf  
A028089 8.84157 [  $1/(3^*x-1)/(9^*x-1)/(8^*x-1)/(7^*x-1)$  ogf]  
A028090 7.76986  $-2^*(-14+281^*x+3360^*x^3-1767^*x^2)/(-1+3^*x)/(8^*x-1)/(7^*x-1)/$   
 $(10^*x-1)$  lgdogf

A028090 9.03697 [ 1/(3\*x-1)/(8\*x-1)/(7\*x-1)/(10\*x-1) ogf]  
A028091 8.05694 -(-29+598\*x+7392\*x^3-3837\*x^2)/(7\*x-1)/(-1+3\*x)/(11\*x-1)/(8\*x-1)  
lgdogf  
A028091 9.08581 [ 1/(7\*x-1)/(3\*x-1)/(11\*x-1)/(8\*x-1) ogf]  
A028092 6.97348 -2\*(-15+317\*x+4032\*x^3-2070\*x^2)/(12\*x-1)/(-1+3\*x)/(8\*x-1)/  
(7\*x-1) lgdogf  
A028092 8.12655 [ 1/(12\*x-1)/(3\*x-1)/(8\*x-1)/(7\*x-1) ogf]  
A028093 7.93299 -(-29+602\*x+7560\*x^3-3897\*x^2)/(-1+3\*x)/(-1+9\*x)/(7\*x-1)/  
(10\*x-1) lgdogf  
A028093 9.08581 [ 1/(3\*x-1)/(9\*x-1)/(7\*x-1)/(10\*x-1) ogf]  
A028094 7.69618 -2\*(-15+320\*x+4158\*x^3-2115\*x^2)/(11\*x-1)/(-1+3\*x)/(7\*x-1)/  
(-1+9\*x) lgdogf  
A028094 9.08581 [ 1/(11\*x-1)/(3\*x-1)/(7\*x-1)/(9\*x-1) ogf]  
A028095 7.16608 -(-31+678\*x+9072\*x^3-4563\*x^2)/(12\*x-1)/(-1+3\*x)/(-1+9\*x)/  
(7\*x-1) lgdogf  
A028095 8.22216 [ 1/(12\*x-1)/(3\*x-1)/(9\*x-1)/(7\*x-1) ogf]  
A028096 8.10734 -(-31+682\*x+9240\*x^3-4623\*x^2)/(7\*x-1)/(-1+3\*x)/(10\*x-1)/  
(11\*x-1) lgdogf  
A028096 9.28121 [ 1/(7\*x-1)/(3\*x-1)/(10\*x-1)/(11\*x-1) ogf]  
A028097 6.99355 -2\*(-16+361\*x+5040\*x^3-2493\*x^2)/(12\*x-1)/(-1+3\*x)/(7\*x-1)/  
(10\*x-1) lgdogf  
A028097 8.26997 [ 1/(12\*x-1)/(3\*x-1)/(7\*x-1)/(10\*x-1) ogf]  
A028098 7.18353 -(-33+766\*x+11088\*x^3-5409\*x^2)/(7\*x-1)/(-1+3\*x)/(12\*x-1)/  
(11\*x-1) lgdogf  
A028098 8.36557 [ 1/(7\*x-1)/(3\*x-1)/(12\*x-1)/(11\*x-1) ogf]  
A028099 7.69618 -2\*(-15+323\*x+4320\*x^3-2169\*x^2)/(-1+3\*x)/(-1+9\*x)/(8\*x-1)/  
(10\*x-1) lgdogf  
A028099 9.08581 [ 1/(3\*x-1)/(9\*x-1)/(8\*x-1)/(10\*x-1) ogf]  
A028100 8.06375 -(-31+686\*x+9504\*x^3-4707\*x^2)/(-1+9\*x)/(-1+3\*x)/(11\*x-1)/  
(8\*x-1) lgdogf  
A028100 9.23236 [ 1/(9\*x-1)/(3\*x-1)/(11\*x-1)/(8\*x-1) ogf]  
A028101 6.99355 -2\*(-16+363\*x+5184\*x^3-2538\*x^2)/(12\*x-1)/(-1+3\*x)/(-1+9\*x)/  
(8\*x-1) lgdogf  
A028101 8.26997 [ 1/(12\*x-1)/(3\*x-1)/(9\*x-1)/(8\*x-1) ogf]  
A028102 10.1517 -2\*(-16+365\*x+5280\*x^3-2571\*x^2)/(-1+3\*x)/(10\*x-1)/(11\*x-1)/  
(8\*x-1) lgdogf  
A028102 11.9301 [ 1/(3\*x-1)/(10\*x-1)/(11\*x-1)/(8\*x-1) ogf]  
A028103 7.60226 -(96\*x-11)\*(120\*x^2-44\*x+3)/(12\*x-1)/(-1+3\*x)/(8\*x-1)/(10\*x-1)  
lgdogf  
A028103 8.31778 [ 1/(12\*x-1)/(3\*x-1)/(8\*x-1)/(10\*x-1) ogf]  
A028104 7.07631 -2\*(-17+409\*x+6336\*x^3-3006\*x^2)/(-1+3\*x)/(12\*x-1)/(11\*x-1)/  
(8\*x-1) lgdogf  
A028104 8.36557 [ 1/(3\*x-1)/(12\*x-1)/(11\*x-1)/(8\*x-1) ogf]  
A028105 6.99355 -(-33+778\*x+11880\*x^3-5661\*x^2)/(-1+9\*x)/(-1+3\*x)/(10\*x-1)/  
(11\*x-1) lgdogf  
A028105 8.26997 [ 1/(9\*x-1)/(3\*x-1)/(10\*x-1)/(11\*x-1) ogf]  
A028106 6.97225 -2\*(-17+411\*x+6480\*x^3-3051\*x^2)/(12\*x-1)/(-1+3\*x)/(-1+9\*x)/  
(10\*x-1) lgdogf  
A028106 8.36557 [ 1/(12\*x-1)/(3\*x-1)/(9\*x-1)/(10\*x-1) ogf]  
A028107 7.11769 -(-35+870\*x+14256\*x^3-6615\*x^2)/(11\*x-1)/(-1+3\*x)/(12\*x-1)/  
(-1+9\*x) lgdogf  
A028107 8.41338 [ 1/(11\*x-1)/(3\*x-1)/(12\*x-1)/(9\*x-1) ogf]  
A028108 7.01302 -2\*(-18+461\*x+7920\*x^3-3609\*x^2)/(-1+3\*x)/(12\*x-1)/(10\*x-1)/  
(11\*x-1) lgdogf  
A028108 8.41338 [ 1/(3\*x-1)/(12\*x-1)/(10\*x-1)/(11\*x-1) ogf]  
A028110 8.57787 -(-23+388\*x+3840\*x^3-2136\*x^2)/(6\*x-1)/(4\*x-1)/(8\*x-1)/(5\*x-1)  
lgdogf  
A028110 9.70339 [ 1/(6\*x-1)/(4\*x-1)/(8\*x-1)/(5\*x-1) ogf]  
A028111 8.35984 -2\*(-12+209\*x+2160\*x^3-1179\*x^2)/(6\*x-1)/(4\*x-1)/(-1+9\*x)/  
(5\*x-1) lgdogf  
A028111 9.73598 [ 1/(6\*x-1)/(4\*x-1)/(9\*x-1)/(5\*x-1) ogf]

A028112 8.62523  $-( -25+448*x+4800*x^3-2580*x^2)/(6*x-1)/(4*x-1)/(5*x-1)/(10*x-1)$   
lgdogf  
A028112 9.73598 [  $1/(6*x-1)/(4*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A028113 7.84581  $-2*(-13+239*x+2640*x^3-1401*x^2)/(6*x-1)/(5*x-1)/(4*x-1)/$   
 $(11*x-1)$  lgdogf  
A028113 9.14581 [  $1/(6*x-1)/(5*x-1)/(4*x-1)/(11*x-1)$  ogf]  
A028114 8.13986  $-( -27+508*x+5760*x^3-3024*x^2)/(12*x-1)/(6*x-1)/(4*x-1)/(5*x-1)$   
lgdogf  
A028114 9.03697 [  $1/(12*x-1)/(6*x-1)/(4*x-1)/(5*x-1)$  ogf]  
A028115 8.44530  $-2*(-12+211*x+2240*x^3-1206*x^2)/(4*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$   
lgdogf  
A028115 9.68528 [  $1/(4*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A028116 12.2457 [  $1/(4*x-1)/(9*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A028116 8.62523  $-( -25+454*x+5040*x^3-2661*x^2)/(4*x-1)/(-1+9*x)/(7*x-1)/(5*x-1)$   
lgdogf  
A028117 7.75864  $-2*(-13+243*x+2800*x^3-1455*x^2)/(4*x-1)/(7*x-1)/(5*x-1)/$   
 $(10*x-1)$  lgdogf  
A028117 9.04639 [  $1/(4*x-1)/(7*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A028118 8.13986  $-( -27+518*x+6160*x^3-3159*x^2)/(7*x-1)/(5*x-1)/(4*x-1)/(11*x-1)$   
lgdogf  
A028118 9.03697 [  $1/(7*x-1)/(5*x-1)/(4*x-1)/(11*x-1)$  ogf]  
A028119 7.97658  $-2*(-14+275*x+3360*x^3-1704*x^2)/(12*x-1)/(4*x-1)/(7*x-1)/$   
 $(5*x-1)$  lgdogf  
A028119 9.13466 [  $1/(12*x-1)/(4*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A028120 8.76435  $-2*(6*x-1)*(480*x^2-167*x+13)/(4*x-1)/(-1+9*x)/(8*x-1)/(5*x-1)$   
lgdogf  
A028120 9.73598 [  $1/(4*x-1)/(9*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A028121 8.09489  $-( -27+524*x+6400*x^3-3240*x^2)/(4*x-1)/(8*x-1)/(5*x-1)/(10*x-1)$   
lgdogf  
A028121 8.98812 [  $1/(4*x-1)/(8*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A028122 7.93299  $-2*(-14+279*x+3520*x^3-1758*x^2)/(5*x-1)/(4*x-1)/(11*x-1)/$   
 $(8*x-1)$  lgdogf  
A028122 9.08581 [  $1/(5*x-1)/(4*x-1)/(11*x-1)/(8*x-1)$  ogf]  
A028123 8.27477  $-( -29+592*x+7680*x^3-3792*x^2)/(12*x-1)/(4*x-1)/(8*x-1)/(5*x-1)$   
lgdogf  
A028123 9.18350 [  $1/(12*x-1)/(4*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A028124 7.76986  $-2*(-14+281*x+3600*x^3-1785*x^2)/(4*x-1)/(-1+9*x)/(5*x-1)/$   
 $(10*x-1)$  lgdogf  
A028124 9.03697 [  $1/(4*x-1)/(9*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A028125 8.05694  $-( -29+598*x+7920*x^3-3873*x^2)/(-1+9*x)/(5*x-1)/(4*x-1)/(11*x-1)$   
lgdogf  
A028125 9.08581 [  $1/(9*x-1)/(5*x-1)/(4*x-1)/(11*x-1)$  ogf]  
A028126 6.97348  $-2*(-15+317*x+4320*x^3-2088*x^2)/(12*x-1)/(4*x-1)/(-1+9*x)/$   
 $(5*x-1)$  lgdogf  
A028126 8.12655 [  $1/(12*x-1)/(4*x-1)/(9*x-1)/(5*x-1)$  ogf]  
A028127 7.85572  $-2*(-15+319*x+4400*x^3-2115*x^2)/(5*x-1)/(10*x-1)/(4*x-1)/$   
 $(11*x-1)$  lgdogf  
A028127 9.13466 [  $1/(5*x-1)/(10*x-1)/(4*x-1)/(11*x-1)$  ogf]  
A028128 7.27805  $-( -31+676*x+9600*x^3-4560*x^2)/(12*x-1)/(4*x-1)/(5*x-1)/(10*x-1)$   
lgdogf  
A028128 8.22216 [  $1/(12*x-1)/(4*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A028129 7.14152  $-2*(-16+359*x+5280*x^3-2472*x^2)/(5*x-1)/(12*x-1)/(4*x-1)/$   
 $(11*x-1)$  lgdogf  
A028129 8.31778 [  $1/(5*x-1)/(12*x-1)/(4*x-1)/(11*x-1)$  ogf]  
A028130 9.36879  $-(32*x-5)*(168*x^2-60*x+5)/(6*x-1)/(8*x-1)/(7*x-1)/(4*x-1)$   
lgdogf  
A028130 9.73598 [  $1/(6*x-1)/(8*x-1)/(7*x-1)/(4*x-1)$  ogf]  
A028131 8.35984  $-2*(-13+247*x+3024*x^3-1521*x^2)/(6*x-1)/(4*x-1)/(-1+9*x)/$   
 $(7*x-1)$  lgdogf  
A028131 9.56812 [  $1/(6*x-1)/(4*x-1)/(9*x-1)/(7*x-1)$  ogf]  
A028132 7.96840  $-3*(-9+176*x+2240*x^3-1108*x^2)/(6*x-1)/(4*x-1)/(7*x-1)/(10*x-1)$

lgdogf  
 A028132 8.98812 [ 1/(6\*x-1)/(4\*x-1)/(7\*x-1)/(10\*x-1) ogf]  
 A028133 7.88940 -2\*(-14+281\*x+3696\*x^3-1803\*x^2)/(6\*x-1)/(7\*x-1)/(4\*x-1)/  
 (11\*x-1) lgdogf  
 A028133 9.03697 [ 1/(6\*x-1)/(7\*x-1)/(4\*x-1)/(11\*x-1) ogf]  
 A028134 8.27477 -(-29+596\*x+8064\*x^3-3888\*x^2)/(12\*x-1)/(6\*x-1)/(4\*x-1)/(7\*x-1)  
 lgdogf  
 A028134 9.18350 [ 1/(12\*x-1)/(6\*x-1)/(4\*x-1)/(7\*x-1) ogf]  
 A028135 8.80875 -(-27+532\*x+6912\*x^3-3384\*x^2)/(6\*x-1)/(4\*x-1)/(-1+9\*x)/(8\*x-1)  
 lgdogf  
 A028135 9.76747 [ 1/(6\*x-1)/(4\*x-1)/(9\*x-1)/(8\*x-1) ogf]  
 A028136 8.13986 -4\*(-7+142\*x+1920\*x^3-924\*x^2)/(6\*x-1)/(4\*x-1)/(8\*x-1)/(10\*x-1)  
 lgdogf  
 A028136 9.03697 [ 1/(6\*x-1)/(4\*x-1)/(8\*x-1)/(10\*x-1) ogf]  
 A028137 8.18483 -(-29+604\*x+8448\*x^3-4008\*x^2)/(6\*x-1)/(4\*x-1)/(11\*x-1)/(8\*x-1)  
 lgdogf  
 A028137 9.08581 [ 1/(6\*x-1)/(4\*x-1)/(11\*x-1)/(8\*x-1) ogf]  
 A028138 8.06375 -2\*(-15+320\*x+4608\*x^3-2160\*x^2)/(6\*x-1)/(8\*x-1)/(12\*x-1)/  
 (4\*x-1) lgdogf  
 A028138 9.23236 [ 1/(6\*x-1)/(8\*x-1)/(12\*x-1)/(4\*x-1) ogf]  
 A028139 8.05694 -(-29+608\*x+8640\*x^3-4068\*x^2)/(6\*x-1)/(4\*x-1)/(-1+9\*x)/(10\*x-1)  
 lgdogf  
 A028139 9.08581 [ 1/(6\*x-1)/(4\*x-1)/(9\*x-1)/(10\*x-1) ogf]  
 A028140 7.81279 -2\*(-15+323\*x+4752\*x^3-2205\*x^2)/(-1+9\*x)/(6\*x-1)/(4\*x-1)/  
 (11\*x-1) lgdogf  
 A028140 9.08581 [ 1/(9\*x-1)/(6\*x-1)/(4\*x-1)/(11\*x-1) ogf]  
 A028141 7.16608 -(-31+684\*x+10368\*x^3-4752\*x^2)/(12\*x-1)/(6\*x-1)/(4\*x-1)/  
 (-1+9\*x) lgdogf  
 A028141 8.22216 [ 1/(12\*x-1)/(6\*x-1)/(4\*x-1)/(9\*x-1) ogf]  
 A028142 8.10734 -(-31+688\*x+10560\*x^3-4812\*x^2)/(6\*x-1)/(10\*x-1)/(4\*x-1)/  
 (11\*x-1) lgdogf  
 A028142 9.28121 [ 1/(6\*x-1)/(10\*x-1)/(4\*x-1)/(11\*x-1) ogf]  
 A028143 7.43758 -8\*(-4+91\*x+1440\*x^3-648\*x^2)/(12\*x-1)/(6\*x-1)/(4\*x-1)/(10\*x-1)  
 lgdogf  
 A028143 8.26997 [ 1/(12\*x-1)/(6\*x-1)/(4\*x-1)/(10\*x-1) ogf]  
 A028144 7.25139 -(-33+772\*x+12672\*x^3-5616\*x^2)/(6\*x-1)/(12\*x-1)/(4\*x-1)/  
 (11\*x-1) lgdogf  
 A028144 8.31778 [ 1/(6\*x-1)/(12\*x-1)/(4\*x-1)/(11\*x-1) ogf]  
 A028145 7.88940 -2\*(-14+287\*x+4032\*x^3-1902\*x^2)/(4\*x-1)/(-1+9\*x)/(8\*x-1)/  
 (7\*x-1) lgdogf  
 A028145 9.03697 [ 1/(4\*x-1)/(9\*x-1)/(8\*x-1)/(7\*x-1) ogf]  
 A028146 8.18483 -(-29+612\*x+8960\*x^3-4152\*x^2)/(4\*x-1)/(8\*x-1)/(7\*x-1)/(10\*x-1)  
 lgdogf  
 A028146 9.08581 [ 1/(4\*x-1)/(8\*x-1)/(7\*x-1)/(10\*x-1) ogf]  
 A028147 7.93299 -2\*(-15+325\*x+4928\*x^3-2250\*x^2)/(11\*x-1)/(8\*x-1)/(7\*x-1)/  
 (4\*x-1) lgdogf  
 A028147 9.08581 [ 1/(11\*x-1)/(8\*x-1)/(7\*x-1)/(4\*x-1) ogf]  
 A028148 7.23473 -(-31+688\*x+10752\*x^3-4848\*x^2)/(12\*x-1)/(4\*x-1)/(8\*x-1)/(7\*x-1)  
 lgdogf  
 A028148 8.17436 [ 1/(12\*x-1)/(4\*x-1)/(8\*x-1)/(7\*x-1) ogf]  
 A028149 8.05694 -6\*(-5+109\*x+1680\*x^3-761\*x^2)/(4\*x-1)/(-1+9\*x)/(7\*x-1)/(10\*x-1)  
 lgdogf  
 A028149 9.08581 [ 1/(4\*x-1)/(9\*x-1)/(7\*x-1)/(10\*x-1) ogf]  
 A028150 7.97658 -(-31+694\*x+11088\*x^3-4947\*x^2)/(-1+9\*x)/(7\*x-1)/(4\*x-1)/  
 (11\*x-1) lgdogf  
 A028150 9.13466 [ 1/(9\*x-1)/(7\*x-1)/(4\*x-1)/(11\*x-1) ogf]  
 A028151 10.3055 -2\*(-16+367\*x+6048\*x^3-2664\*x^2)/(12\*x-1)/(4\*x-1)/(-1+9\*x)/  
 (7\*x-1) lgdogf  
 A028151 11.9301 [ 1/(12\*x-1)/(4\*x-1)/(9\*x-1)/(7\*x-1) ogf]  
 A028152 10.2609 -2\*(-16+369\*x+6160\*x^3-2697\*x^2)/(7\*x-1)/(10\*x-1)/(4\*x-1)/  
 (11\*x-1) lgdogf



A028152 11.8793 [  $1/(7*x-1)/(10*x-1)/(4*x-1)/(11*x-1)$  ogf]  
A028153 7.48159  $-3*(8*x-1)*(560*x^2-172*x+11)/(12*x-1)/(4*x-1)/(7*x-1)/(10*x-1)$   
lgdogf  
A028153 8.31778 [  $1/(12*x-1)/(4*x-1)/(7*x-1)/(10*x-1)$  ogf]  
A028154 7.18353  $-2*(-17+413*x+7392*x^3-3144*x^2)/(7*x-1)/(12*x-1)/(4*x-1)/$   
 $(11*x-1)$  lgdogf  
A028154 8.36557 [  $1/(7*x-1)/(12*x-1)/(4*x-1)/(11*x-1)$  ogf]  
A028155 7.93299  $-(-31+700*x+11520*x^3-5064*x^2)/(4*x-1)/(-1+9*x)/(8*x-1)/$   
 $(10*x-1)$  lgdogf  
A028155 9.08581 [  $1/(4*x-1)/(9*x-1)/(8*x-1)/(10*x-1)$  ogf]  
A028156 7.98450  $-2*(-16+371*x+6336*x^3-2742*x^2)/(-1+9*x)/(4*x-1)/(11*x-1)/$   
 $(8*x-1)$  lgdogf  
A028156 9.28121 [  $1/(9*x-1)/(4*x-1)/(11*x-1)/(8*x-1)$  ogf]  
A028157 7.55754  $-(32*x-3)*(432*x^2-144*x+11)/(12*x-1)/(4*x-1)/(-1+9*x)/(8*x-1)$   
lgdogf  
A028157 8.26997 [  $1/(12*x-1)/(4*x-1)/(9*x-1)/(8*x-1)$  ogf]  
A028158 7.16608  $-(-33+788*x+14080*x^3-5976*x^2)/(10*x-1)/(4*x-1)/(11*x-1)/$   
 $(8*x-1)$  lgdogf  
A028158 8.22216 [  $1/(10*x-1)/(4*x-1)/(11*x-1)/(8*x-1)$  ogf]  
A028159 7.14152  $-2*(-17+416*x+7680*x^3-3216*x^2)/(12*x-1)/(4*x-1)/(8*x-1)/$   
 $(10*x-1)$  lgdogf  
A028159 8.31778 [  $1/(12*x-1)/(4*x-1)/(8*x-1)/(10*x-1)$  ogf]  
A028160 7.29404  $-(-35+880*x+16896*x^3-6960*x^2)/(11*x-1)/(8*x-1)/(12*x-1)/$   
 $(4*x-1)$  lgdogf  
A028160 8.36557 [  $1/(11*x-1)/(8*x-1)/(12*x-1)/(4*x-1)$  ogf]  
A028161 7.03493  $-2*(-17+419*x+7920*x^3-3279*x^2)/(-1+9*x)/(10*x-1)/(4*x-1)/$   
 $(11*x-1)$  lgdogf  
A028161 8.31778 [  $1/(9*x-1)/(10*x-1)/(4*x-1)/(11*x-1)$  ogf]  
A028162 7.18353  $-(-35+884*x+17280*x^3-7056*x^2)/(12*x-1)/(4*x-1)/(-1+9*x)/$   
 $(10*x-1)$  lgdogf  
A028162 8.36557 [  $1/(12*x-1)/(4*x-1)/(9*x-1)/(10*x-1)$  ogf]  
A028163 7.11769  $-2*(-18+467*x+9504*x^3-3816*x^2)/(-1+9*x)/(12*x-1)/(4*x-1)/$   
 $(11*x-1)$  lgdogf  
A028163 8.41338 [  $1/(9*x-1)/(12*x-1)/(4*x-1)/(11*x-1)$  ogf]  
A028164 7.22554  $-(-37+988*x+21120*x^3-8304*x^2)/(12*x-1)/(10*x-1)/(4*x-1)/$   
 $(11*x-1)$  lgdogf  
A028164 8.41338 [  $1/(12*x-1)/(10*x-1)/(4*x-1)/(11*x-1)$  ogf]  
A028165 8.49046  $-2*(-13+251*x+3360*x^3-1599*x^2)/(6*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$   
lgdogf  
A028165 9.56812 [  $1/(6*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A028166 8.62523  $-(-27+538*x+7560*x^3-3519*x^2)/(6*x-1)/(-1+9*x)/(7*x-1)/(5*x-1)$   
lgdogf  
A028166 9.56812 [  $1/(6*x-1)/(9*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A028167 7.88940  $-2*(-14+287*x+4200*x^3-1920*x^2)/(6*x-1)/(7*x-1)/(5*x-1)/$   
 $(10*x-1)$  lgdogf  
A028167 9.03697 [  $1/(6*x-1)/(7*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A028168 8.18483  $-(-29+610*x+9240*x^3-4161*x^2)/(6*x-1)/(7*x-1)/(5*x-1)/(11*x-1)$   
lgdogf  
A028168 9.08581 [  $1/(6*x-1)/(7*x-1)/(5*x-1)/(11*x-1)$  ogf]  
A028169 8.59252  $-2*(16*x-3)*(315*x^2-81*x+5)/(12*x-1)/(6*x-1)/(7*x-1)/(5*x-1)$   
lgdogf  
A028169 9.23236 [  $1/(12*x-1)/(6*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A028170 7.80222  $-2*(-14+289*x+4320*x^3-1953*x^2)/(6*x-1)/(-1+9*x)/(8*x-1)/$   
 $(5*x-1)$  lgdogf  
A028170 8.93926 [  $1/(6*x-1)/(9*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A028171 8.18483  $-(-29+616*x+9600*x^3-4260*x^2)/(6*x-1)/(8*x-1)/(5*x-1)/(10*x-1)$   
lgdogf  
A028171 9.08581 [  $1/(6*x-1)/(8*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A028172 8.18483  $-6*(-5+109*x+1760*x^3-769*x^2)/(6*x-1)/(5*x-1)/(11*x-1)/(8*x-1)$   
lgdogf  
A028172 9.08581 [  $1/(6*x-1)/(5*x-1)/(11*x-1)/(8*x-1)$  ogf]

A028173 7.19141  $-( -31+692*x+11520*x^3-4968*x^2)/(12*x-1)/(6*x-1)/(8*x-1)/(5*x-1)$   
lgdogf  
A028173 8.12655 [  $1/(12*x-1)/(6*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A028174 7.81279  $-2*(-15+329*x+5400*x^3-2340*x^2)/(6*x-1)/(-1+9*x)/(5*x-1)/$   
 $(10*x-1)$  lgdogf  
A028174 9.08581 [  $1/(6*x-1)/(9*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A028175 7.93299  $-( -31+698*x+11880*x^3-5067*x^2)/(-1+9*x)/(6*x-1)/(5*x-1)/$   
 $(11*x-1)$  lgdogf  
A028175 9.08581 [  $1/(9*x-1)/(6*x-1)/(5*x-1)/(11*x-1)$  ogf]  
A028176 7.05750  $-2*(-16+369*x+6480*x^3-2727*x^2)/(12*x-1)/(6*x-1)/(-1+9*x)/$   
 $(5*x-1)$  lgdogf  
A028176 8.22216 [  $1/(12*x-1)/(6*x-1)/(9*x-1)/(5*x-1)$  ogf]  
A028177 7.01549  $-2*(-16+371*x+6600*x^3-2760*x^2)/(6*x-1)/(5*x-1)/(10*x-1)/$   
 $(11*x-1)$  lgdogf  
A028177 8.17436 [  $1/(6*x-1)/(5*x-1)/(10*x-1)/(11*x-1)$  ogf]  
A028178 12.0316 [  $1/(12*x-1)/(6*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A028178 7.25139  $-( -33+784*x+14400*x^3-5940*x^2)/(12*x-1)/(6*x-1)/(5*x-1)/$   
 $(10*x-1)$  lgdogf  
A028179 7.18353  $-2*(-17+415*x+7920*x^3-3213*x^2)/(6*x-1)/(5*x-1)/(12*x-1)/$   
 $(11*x-1)$  lgdogf  
A028179 8.36557 [  $1/(6*x-1)/(5*x-1)/(12*x-1)/(11*x-1)$  ogf]  
A028180 8.05694  $-( -29+622*x+10080*x^3-4377*x^2)/(-1+9*x)/(8*x-1)/(7*x-1)/(5*x-1)$   
lgdogf  
A028180 9.08581 [  $1/(9*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A028181 7.93299  $-2*(-15+331*x+5600*x^3-2385*x^2)/(8*x-1)/(7*x-1)/(5*x-1)/$   
 $(10*x-1)$  lgdogf  
A028181 9.08581 [  $1/(8*x-1)/(7*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A028182 8.05694  $-( -31+702*x+12320*x^3-5163*x^2)/(7*x-1)/(5*x-1)/(11*x-1)/(8*x-1)$   
lgdogf  
A028182 9.08581 [  $1/(7*x-1)/(5*x-1)/(11*x-1)/(8*x-1)$  ogf]  
A028183 7.16608  $-2*(-16+371*x+6720*x^3-2778*x^2)/(12*x-1)/(8*x-1)/(7*x-1)/$   
 $(5*x-1)$  lgdogf  
A028183 8.22216 [  $1/(12*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A028184 11.5239 [  $1/(9*x-1)/(7*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A028184 7.93299  $-( -31+706*x+12600*x^3-5235*x^2)/(-1+9*x)/(7*x-1)/(5*x-1)/$   
 $(10*x-1)$  lgdogf  
A028185 8.06375  $-4*(-8+187*x+3465*x^3-1416*x^2)/(-1+9*x)/(7*x-1)/(5*x-1)/$   
 $(11*x-1)$  lgdogf  
A028185 9.23236 [  $1/(9*x-1)/(7*x-1)/(5*x-1)/(11*x-1)$  ogf]  
A028186 7.20873  $-( -33+790*x+15120*x^3-6093*x^2)/(12*x-1)/(-1+9*x)/(7*x-1)/$   
 $(5*x-1)$  lgdogf  
A028186 8.26997 [  $1/(12*x-1)/(9*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A028187 10.9704  $-(8*x-1)*(1925*x^2-530*x+33)/(7*x-1)/(5*x-1)/(10*x-1)/(11*x-1)$   
lgdogf  
A028187 11.9301 [  $1/(7*x-1)/(5*x-1)/(10*x-1)/(11*x-1)$  ogf]  
A028188 7.14152  $-2*(-17+419*x+8400*x^3-3315*x^2)/(12*x-1)/(7*x-1)/(5*x-1)/$   
 $(10*x-1)$  lgdogf  
A028188 8.31778 [  $1/(12*x-1)/(7*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A028189 7.29404  $-( -35+886*x+18480*x^3-7167*x^2)/(7*x-1)/(5*x-1)/(12*x-1)/$   
 $(11*x-1)$  lgdogf  
A028189 8.36557 [  $1/(7*x-1)/(5*x-1)/(12*x-1)/(11*x-1)$  ogf]  
A028190 7.85572  $-2*(-16+377*x+7200*x^3-2895*x^2)/(-1+9*x)/(8*x-1)/(5*x-1)/$   
 $(10*x-1)$  lgdogf  
A028190 9.13466 [  $1/(9*x-1)/(8*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A028191 7.01549  $-3*(-11+266*x+5280*x^3-2087*x^2)/(-1+9*x)/(5*x-1)/(11*x-1)/$   
 $(8*x-1)$  lgdogf  
A028191 8.17436 [  $1/(9*x-1)/(5*x-1)/(11*x-1)/(8*x-1)$  ogf]  
A028192 7.14152  $-2*(-17+421*x+8640*x^3-3366*x^2)/(12*x-1)/(-1+9*x)/(8*x-1)/$   
 $(5*x-1)$  lgdogf  
A028192 8.31778 [  $1/(12*x-1)/(9*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A028193 7.09951  $-2*(-17+423*x+8800*x^3-3405*x^2)/(5*x-1)/(10*x-1)/(11*x-1)/$

$(8x-1)$  lgdogf  
A028193 8.26997  $[ 1/(5x-1)/(10x-1)/(11x-1)/(8x-1) \text{ ogf}]$   
A028194 7.29404  $-(-35+892x+19200x^3-7320x^2)/(12x-1)/(8x-1)/(5x-1)/$   
 $(10x-1)$  lgdogf  
A028194 8.36557  $[ 1/(12x-1)/(8x-1)/(5x-1)/(10x-1) \text{ ogf}]$   
A028195 7.33670  $-6*(-6+157x+3520x^3-1318x^2)/(5x-1)/(12x-1)/(11x-1)/$   
 $(8x-1)$  lgdogf  
A028195 8.41338  $[ 1/(5x-1)/(12x-1)/(11x-1)/(8x-1) \text{ ogf}]$   
A028196 10.3948  $-(-35+898x+19800x^3-7455x^2)/(-1+9x)/(5x-1)/(10x-1)/$   
 $(11x-1)$  lgdogf  
A028196 12.0316  $[ 1/(9x-1)/(5x-1)/(10x-1)/(11x-1) \text{ ogf}]$   
A028197 7.01302  $-2*(-18+473x+10800x^3-4005x^2)/(12x-1)/(-1+9x)/(5x-1)/$   
 $(10x-1)$  lgdogf  
A028197 8.41338  $[ 1/(12x-1)/(9x-1)/(5x-1)/(10x-1) \text{ ogf}]$   
A028198 7.22554  $-(-37+998x+23760x^3-8649x^2)/(-1+9x)/(5x-1)/(12x-1)/$   
 $(11x-1)$  lgdogf  
A028198 8.41338  $[ 1/(9x-1)/(5x-1)/(12x-1)/(11x-1) \text{ ogf}]$   
A028199 7.09457  $-2*(-19+527x+13200x^3-4695x^2)/(5x-1)/(12x-1)/(10x-1)/$   
 $(11x-1)$  lgdogf  
A028199 8.50898  $[ 1/(5x-1)/(12x-1)/(10x-1)/(11x-1) \text{ ogf}]$   
A028200 10.1017  $-2*(-15+335x+6048x^3-2475x^2)/(6x-1)/(8x-1)/(7x-1)/$   
 $(-1+9x)$  lgdogf  
A028200 11.5239  $[ 1/(6x-1)/(8x-1)/(7x-1)/(9x-1) \text{ ogf}]$   
A028201 8.05694  $-(-31+712x+13440x^3-5388x^2)/(6x-1)/(8x-1)/(7x-1)/(10x-1)$   
lgdogf  
A028201 9.08581  $[ 1/(6x-1)/(8x-1)/(7x-1)/(10x-1) \text{ ogf}]$   
A028202 7.97658  $-2*(-16+377x+7392x^3-2913x^2)/(6x-1)/(7x-1)/(11x-1)/$   
 $(8x-1)$  lgdogf  
A028202 9.13466  $[ 1/(6x-1)/(7x-1)/(11x-1)/(8x-1) \text{ ogf}]$   
A028203 7.32137  $-(-33+796x+16128x^3-6264x^2)/(12x-1)/(6x-1)/(8x-1)/(7x-1)$   
lgdogf  
A028203 8.26997  $[ 1/(12x-1)/(6x-1)/(8x-1)/(7x-1) \text{ ogf}]$   
A028204 7.85572  $-2*(-16+379x+7560x^3-2952x^2)/(6x-1)/(-1+9x)/(7x-1)/$   
 $(10x-1)$  lgdogf  
A028204 9.13466  $[ 1/(6x-1)/(9x-1)/(7x-1)/(10x-1) \text{ ogf}]$   
A028205 8.10734  $-(-33+802x+16632x^3-6381x^2)/(-1+9x)/(6x-1)/(7x-1)/$   
 $(11x-1)$  lgdogf  
A028205 9.28121  $[ 1/(9x-1)/(6x-1)/(7x-1)/(11x-1) \text{ ogf}]$   
A028206 7.14152  $-2*(-17+423x+9072x^3-3429x^2)/(12x-1)/(6x-1)/(-1+9x)/$   
 $(7x-1)$  lgdogf  
A028206 8.31778  $[ 1/(12x-1)/(6x-1)/(9x-1)/(7x-1) \text{ ogf}]$   
A028207 7.09951  $-2*(-17+425x+9240x^3-3468x^2)/(6x-1)/(7x-1)/(10x-1)/$   
 $(11x-1)$  lgdogf  
A028207 8.26997  $[ 1/(6x-1)/(7x-1)/(10x-1)/(11x-1) \text{ ogf}]$   
A028208 7.29404  $-(-35+896x+20160x^3-7452x^2)/(12x-1)/(6x-1)/(7x-1)/$   
 $(10x-1)$  lgdogf  
A028208 8.36557  $[ 1/(12x-1)/(6x-1)/(7x-1)/(10x-1) \text{ ogf}]$   
A028209 7.11769  $-2*(-18+473x+11088x^3-4023x^2)/(6x-1)/(7x-1)/(12x-1)/$   
 $(11x-1)$  lgdogf  
A028209 8.41338  $[ 1/(6x-1)/(7x-1)/(12x-1)/(11x-1) \text{ ogf}]$   
A028210 7.97658  $-(-33+808x+17280x^3-6516x^2)/(6x-1)/(-1+9x)/(8x-1)/$   
 $(10x-1)$  lgdogf  
A028210 9.13466  $[ 1/(6x-1)/(9x-1)/(8x-1)/(10x-1) \text{ ogf}]$   
A028211 7.05750  $-2*(-17+427x+9504x^3-3519x^2)/(-1+9x)/(6x-1)/(11x-1)/$   
 $(8x-1)$  lgdogf  
A028211 8.22216  $[ 1/(9x-1)/(6x-1)/(11x-1)/(8x-1) \text{ ogf}]$   
A028212 7.29404  $-(-35+900x+20736x^3-7560x^2)/(6x-1)/(8x-1)/(12x-1)/$   
 $(-1+9x)$  lgdogf  
A028212 8.36557  $[ 1/(6x-1)/(8x-1)/(12x-1)/(9x-1) \text{ ogf}]$   
A028213 7.25139  $-(-35+904x+21120x^3-7644x^2)/(6x-1)/(10x-1)/(11x-1)/$   
 $(8x-1)$  lgdogf

A028213 8.31778 [ 1/(6\*x-1)/(10\*x-1)/(11\*x-1)/(8\*x-1) ogf]  
A028214 12.0824 [ 1/(12\*x-1)/(6\*x-1)/(8\*x-1)/(10\*x-1) ogf]  
A028214 7.29404 -4\*(-9+238\*x+5760\*x^3-2052\*x^2)/(12\*x-1)/(6\*x-1)/(8\*x-1)/  
(10\*x-1) lgdogf  
A028215 7.22554 -(-37+1004\*x+25344\*x^3-8856\*x^2)/(6\*x-1)/(12\*x-1)/(11\*x-1)/  
(8\*x-1) lgdogf  
A028215 8.41338 [ 1/(6\*x-1)/(12\*x-1)/(11\*x-1)/(8\*x-1) ogf]  
A028216 6.97225 -2\*(-18+479\*x+11880\*x^3-4176\*x^2)/(-1+9\*x)/(6\*x-1)/(10\*x-1)/  
(11\*x-1) lgdogf  
A028216 8.36557 [ 1/(9\*x-1)/(6\*x-1)/(10\*x-1)/(11\*x-1) ogf]  
A028217 10.3715 -(-37+1008\*x+25920\*x^3-8964\*x^2)/(12\*x-1)/(6\*x-1)/(-1+9\*x)/  
(10\*x-1) lgdogf  
A028217 12.1839 [ 1/(12\*x-1)/(6\*x-1)/(9\*x-1)/(10\*x-1) ogf]  
A028218 7.05380 -2\*(-19+531\*x+14256\*x^3-4833\*x^2)/(-1+9\*x)/(6\*x-1)/(12\*x-1)/  
(11\*x-1) lgdogf  
A028218 8.46117 [ 1/(9\*x-1)/(6\*x-1)/(12\*x-1)/(11\*x-1) ogf]  
A028219 7.09457 -(-39+1120\*x+31680\*x^3-10476\*x^2)/(6\*x-1)/(12\*x-1)/(10\*x-1)/  
(11\*x-1) lgdogf  
A028219 8.50898 [ 1/(6\*x-1)/(12\*x-1)/(10\*x-1)/(11\*x-1) ogf]  
A028220 7.20873 -(-35+910\*x+22176\*x^3-7815\*x^2)/(11\*x-1)/(8\*x-1)/(7\*x-1)/  
(-1+9\*x) lgdogf  
A028220 8.26997 [ 1/(11\*x-1)/(8\*x-1)/(7\*x-1)/(9\*x-1) ogf]  
A028221 7.07631 -2\*(-18+479\*x+12096\*x^3-4194\*x^2)/(12\*x-1)/(-1+9\*x)/(8\*x-1)/  
(7\*x-1) lgdogf  
A028221 8.36557 [ 1/(12\*x-1)/(9\*x-1)/(8\*x-1)/(7\*x-1) ogf]  
A028222 7.07631 -2\*(-18+481\*x+12320\*x^3-4239\*x^2)/(7\*x-1)/(10\*x-1)/(11\*x-1)/  
(8\*x-1) lgdogf  
A028222 8.36557 [ 1/(7\*x-1)/(10\*x-1)/(11\*x-1)/(8\*x-1) ogf]  
A028223 7.22554 -(-37+1012\*x+26880\*x^3-9096\*x^2)/(12\*x-1)/(8\*x-1)/(7\*x-1)/  
(10\*x-1) lgdogf  
A028223 8.41338 [ 1/(12\*x-1)/(8\*x-1)/(7\*x-1)/(10\*x-1) ogf]  
A028224 7.15908 -2\*(-19+533\*x+14784\*x^3-4902\*x^2)/(7\*x-1)/(12\*x-1)/(11\*x-1)/  
(8\*x-1) lgdogf  
A028224 8.46117 [ 1/(7\*x-1)/(12\*x-1)/(11\*x-1)/(8\*x-1) ogf]  
A028225 7.11769 -(-37+1018\*x+27720\*x^3-9249\*x^2)/(-1+9\*x)/(7\*x-1)/(10\*x-1)/  
(11\*x-1) lgdogf  
A028225 8.41338 [ 1/(9\*x-1)/(7\*x-1)/(10\*x-1)/(11\*x-1) ogf]  
A028226 7.01302 -2\*(-19+535\*x+15120\*x^3-4959\*x^2)/(12\*x-1)/(-1+9\*x)/(7\*x-1)/  
(10\*x-1) lgdogf  
A028226 8.41338 [ 1/(12\*x-1)/(9\*x-1)/(7\*x-1)/(10\*x-1) ogf]  
A028227 7.09457 -(-39+1126\*x+33264\*x^3-10683\*x^2)/(-1+9\*x)/(7\*x-1)/(12\*x-1)/  
(11\*x-1) lgdogf  
A028227 8.50898 [ 1/(9\*x-1)/(7\*x-1)/(12\*x-1)/(11\*x-1) ogf]  
A028228 7.17612 -2\*(-20+593\*x+18480\*x^3-5781\*x^2)/(7\*x-1)/(12\*x-1)/(10\*x-1)/  
(11\*x-1) lgdogf  
A028228 8.60459 [ 1/(7\*x-1)/(12\*x-1)/(10\*x-1)/(11\*x-1) ogf]  
A028230 11.4560 [ (x+1)/(x^2-14\*x+1) ogf]  
A028230 11.4588 -1/2\*(-1-14\*x+(1+8\*x)\*(24\*x+1))^(1/2)/(x-1) revogf  
A028230 16.6337 -(x+5)\*(x-3)/(x+1)/(x^2-14\*x+1) lgdogf  
A028230 6.27354 [{-a(n+2)+14\*a(n+1)-a(n), a(0) = 1, a(1) = 15}, ogf]  
A028231 10.7963 [ (2\*x^2-7\*x-1)/(x-1)/(x^2-14\*x+1) ogf]  
A028231 5.81338 [{-a(n+3)+15\*a(n+2)-15\*a(n+1)+a(n), a(0) = 1, a(1) = 22, a(2) =  
313}, ogf]  
A028238 2.23160 [1984\*x^8+126\*x^7+1984\*x^6 ogf\_with\_Euler\_transform]  
A028240 3.68235 [2\*x^14\*(16256\*x^2+255\*x+16256) ogf\_with\_Euler\_transform]  
A028242 14.7219 [ (x^2-x+1)/(x+1)/(x-1)^2 ogf]  
A028242 26.0319 -x\*(4+x^2-x)/(x-1)/(x+1)/(x^2-x+1) lgdogf  
A028242 30.8706 [-x^5+x^2+2\*x ogf\_with\_Euler\_transform]  
A028242 8.09043 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 0, a(2) = 2}, ogf]  
A028243 11.6759 [ -2\*x^2/(x-1)/(3\*x-1)/(2\*x-1) ogf]  
A028243 13.2684 -2\*(3-11\*x+9\*x^2)/(x-1)/(-1+3\*x)/(2\*x-1) lgdogf

A028243 4.83865 [ $\{a(n+3)-6*a(n+2)+11*a(n+1)-6*a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A028244 11.0395  $-2*(-5+35*x+48*x^3-75*x^2)/(x-1)/(-1+3*x)/(2*x-1)/(4*x-1)$  lgdogf  
A028244 11.0953 [ $6*x^3/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A028245 6.90091  $-(15-170*x+600*x^4-1096*x^3+675*x^2)/(x-1)/(4*x-1)/(-1+3*x)/(2*x-1)/(5*x-1)$  lgdogf  
A028245 7.39383 [ $-24*x^4/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A028249 14.3828 [ $-x^{11}+2*x^5+x^3+x^2+1$  ogf\_with\_Euler\_transform]  
A028249 5.36325 [ $(x^4-x^2+1)/(x^2-x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A028249 6.69480  $-(1+x+12*x^5-2*x^4+4*x^3+x^8-7*x^7+3*x^6+3*x^2+8*x^9)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)$  lgdogf  
A028253 11.6238  $(1-3*x+10*x^4-27*x^3+21*x^2)/(x-1)/(5*x^4-7*x^3+x^2+x-1)$  lgdogf  
A028253 8.50616 [ $-x^2*(5*x^4-7*x^3+x^2+x-1)/(x-1)^2$  ogf]  
A028258 11.2572 [ $1/(16*x-1)/(8*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A028258 9.69386  $-2*(-15+280*x+2048*x^3-1440*x^2)/(16*x-1)/(8*x-1)/(2*x-1)/(4*x-1)$  lgdogf  
A028270 30.9626  $(2*x-3)/(x+1)/(4*x-1)$  lgdogf  
A028270 4.42059 [ $\{(-n-3)*a(n+3)+(9+3*n)*a(n+2)+(2+4*n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 8\}$ , ogf]  
A028283 26.2535  $4*(x-1)/(2*x+1)/(4*x-1)$  lgdogf  
A028283 4.08306 [ $\{(-n-3)*a(n+3)+(8+2*n)*a(n+2)+(4+8*n)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 10\}$ , ogf]  
A028288 17.4693 [ $-x^7+x^4+x^3+2*x^2+1$  ogf\_with\_Euler\_transform]  
A028288 6.86798 [ $(x^4+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A028288 7.03511  $-(1+8*x^{10}+2*x+19*x^5+19*x^4+13*x^3+10*x^8+9*x^7+21*x^6+9*x^2+9*x^9)/(x-1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^4+1)$  lgdogf  
A028289 14.8634  $-(1+4*x+9*x^3+10*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A028289 26.0348 [ $2*x^2+x+1$  ogf\_with\_Euler\_transform]  
A028289 7.35422 [ $1/(x+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A028290 15.5052 [ $x^7+x^4+x^2+x+1$  ogf\_with\_Euler\_transform]  
A028290 5.97554 [ $-1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^5$  ogf]  
A028291 22.1809 [ $x^4+x^2+x+2$  ogf\_with\_Euler\_transform]  
A028291 7.12487  $-(2*x^2+2*x+1)*(6*x^5+7*x^4+6*x^3+5*x^2+4*x+2)/(x-1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A028291 9.06666 [ $-1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^5$  ogf]  
A028293 8.81816 [ $-(x^2-x+1)*(x^4+3*x^3+3*x^2+3*x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A028294 6.54513 [ $(9*x^5-31*x^4-49*x^3+176*x^2+14*x+1)/(x-1)^6$  ogf]  
A028294 8.60545  $-(20+422*x+9*x^5-17*x^4-271*x^3+557*x^2)/(x-1)/(9*x^5-31*x^4-49*x^3+176*x^2+14*x+1)$  lgdogf  
A028309 15.7613 [ $-x^{11}+x^3+x^2+x+1$  ogf\_with\_Euler\_transform]  
A028309 8.64287 [ $-(x^2-x+1)*(x^4-x^2+1)/(x+1)/(x-1)^3$  ogf]  
A028309 9.02686  $(-1-2*x-4*x^5+4*x^4-2*x^3+2*x^7-3*x^6)/(x-1)/(x+1)/(x^2-x+1)/(x^4-x^2+1)$  lgdogf  
A028310 16.8646 [ $(x^2-x+1)/(x-1)^2$  ogf]  
A028310 26.9970 [ $-x^5+x^2+x+1$  ogf\_with\_Euler\_transform]  
A028310 39.8508  $-(x+1)/(x-1)/(x^2-x+1)$  lgdogf  
A028310 8.76298 [ $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A028322 26.3916  $(6*x-5)/(3*x+1)/(4*x-1)$  lgdogf  
A028322 4.07711 [ $\{(n+3)*a(n+3)+(-7-n)*a(n+2)+(-6-12*n)*a(n+1), a(0) = 1, a(1) = 5, a(2) = 12\}$ , ogf]  
A028329 25.4244  $1/2*(-x+(x^2+1)^{1/2})*x$  revogf  
A028329 5.98940 [ $\{(-n-2)*a(n+2)+(6+4*n)*a(n+1), a(0) = 2, a(1) = 4\}$ , ogf]  
A028329 61.0186  $-2/(4*x-1)$  lgdogf  
A028339 3.25653 [ $\{(-8*n^3-84*n^2-294*n-343)*a(n+1)+(12*n^2+96*n+193)*a(n+2)+(-6*n-27)*a(n+3)+a(n+4), a(0) = 1, a(1) = 9, a(2) = 86, a(3) = 950\}$ , ogf]  
A028345 4.90384 [ $-(2*x^8+2*x^7+15*x^6+19*x^5+9*x^4+9*x^3+4*x^2-x+1)/(x+1)/(x^2+x+1)^2/(x-1)^5$  ogf]  
A028346 10.1444 [ $1/(x+1)^2/(x-1)^6$  ogf]

A028346 27.4094  $-4*(2*x+1)/(x-1)/(x+1)$  lgdogf  
A028346 39.3480  $[[4+2*x]$  ogf\_with\_Euler\_transform]  
A028346 6.16178  $[{(n+3)*a(n+3)-4*a(n+2)+(-9-n)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 12}],$  ogf]  
A028347 14.4813  $[x*(3*x-5)/(x-1)^3$  ogf]  
A028347 36.9864  $-6*(x-2)/(x-1)/(3*x-5)$  lgdogf  
A028347 7.36996  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 12}],$  ogf]  
A028350 3.70725  $[{(216*n^2+432*n+210)*a(n+1)+(-2*n^2-7*n-6)*a(n+2), a(0) = -1, a(1) = 6}],$  ogf]  
A028350 7.91719  $[-$ hypergeom $([-1/6, 1/6],[1/2],108*x)$  ogf]  
A028356 14.5310  $[-(2*x^3+x^2+x+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A028356 14.9089  $-2*(1+x+x^5+x^4-x^3+x^6+x^2)/(x-1)/(x+1)/(x^2-x+1)/(2*x^3+x^2+x+1)$  lgdogf  
A028357 7.63238  $[ (2*x^3+x^2+x+1)/(x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A028357 8.55439  $-(3+3*x+3*x^5+3*x^4+x^3+4*x^6+3*x^2)/(x-1)/(x+1)/(x^2-x+1)/(2*x^3+x^2+x+1)$  lgdogf  
A028358 7.42714  $[ -(2*x^3+x^2+x+1)/(x+1)/(x^2-x+1)/(x-1)^3$  ogf]  
A028358 7.90324  $-2*(2+2*x+2*x^5+2*x^4+2*x^3+3*x^6+2*x^2)/(x-1)/(x+1)/(x^2-x+1)/(2*x^3+x^2+x+1)$  lgdogf  
A028359 4.32065  $[ (10*x^4+20*x^3+12*x^2+2*x+1)/(x-1)/(100*x^3-1)/(x^2+x+1)$  ogf]  
A028375 6.26635  $[ -(x^8+8*x^7+40*x^6+32*x^5+38*x^4+32*x^3+40*x^2+8*x+1)/(x^2+1)^2/(x+1)^2/(x-1)^3$  ogf]  
A028377 10.7290  $[-(x^3+3*x^2+2*x+1)/(x^6-3*x^4+3*x^2-1)$  ogf\_with\_Euler\_transform]  
A028379 4.84576  $[{(-4*n^2-22*n-28)*a(n+1)+(n^2+7*n+6)*a(n+2), a(0) = 0, a(1) = 6}],$  ogf]  
A028387 12.3710  $[ (x^2-2*x-1)/(x-1)^3$  ogf]  
A028387 23.8461  $-(-5-2*x+x^2)/(x-1)/(x^2-2*x-1)$  lgdogf  
A028387 6.67813  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 11}],$  ogf]  
A028390 7.62363  $-(2+4*x+18*x^5+19*x^4+16*x^3+3*x^8+8*x^7+30*x^6+18*x^2+2*x^9)/(x-1)/(x+1)/(x^2+1)/(x^6+x^5+2*x^4+6*x^3+2*x^2+2*x+1)$  lgdogf  
A028390 9.56502  $[x*(x^6+x^5+2*x^4+6*x^3+2*x^2+2*x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A028399 18.1091  $[4*x/(2*x-1)/(x-1)$  ogf]  
A028399 18.8524  $-1/4*(-4-3*x+(16+24*x+x^2)^(1/2))/x$  revogf  
A028399 29.9924  $-(4*x-3)/(2*x-1)/(x-1)$  lgdogf  
A028399 8.27205  $[{a(n+2)-3*a(n+1)+2*a(n), a(0) = 0, a(1) = 4}],$  ogf]  
A028400 5.28082  $[{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = 4, a(1) = 9, a(2) = 25}],$  ogf]  
A028400 8.30242  $-(9-76*x+144*x^4-304*x^3+236*x^2)/(x-1)/(2*x-1)/(4*x-1)/(18*x^2-19*x+4)$  lgdogf  
A028400 9.40647  $[ -(18*x^2-19*x+4)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A028401 5.54765  $[{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = 3, a(1) = 6, a(2) = 15}],$  ogf]  
A028401 9.38969  $-(2-18*x+40*x^4-80*x^3+59*x^2)/(x-1)/(2*x-1)/(4*x-1)/(5*x^2-5*x+1)$  lgdogf  
A028401 9.88175  $[ -3*(5*x^2-5*x+1)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A028403 14.7597  $-(3-16*x+24*x^2)/(-1+3*x)/(2*x-1)/(4*x-1)$  lgdogf  
A028403 16.0244  $[ -4*(3*x-1)/(4*x-1)/(2*x-1)$  ogf]  
A028403 17.2900  $-1/4*(-2-3*x+(4+x^2)^(1/2))/(2*x+3)$  revogf  
A028403 8.88101  $[{a(n+2)-6*a(n+1)+8*a(n), a(0) = 4, a(1) = 12}],$  ogf]  
A028425 10.1420  $[ -(112*x^16-112*x^15+16*x^4-16*x^3-1)/(x-1)^2$  ogf]  
A028425 8.39035  $2*(1-1624*x^15+840*x^14+16*x^4-40*x^3+24*x^2+784*x^16)/(x-1)/(112*x^16-112*x^15+16*x^4-16*x^3-1)$  lgdogf  
A028426 10.3767  $[ -(225*x^25-225*x^24+25*x^5-25*x^4-1)/(x-1)^2$  ogf]  
A028426 8.32595  $(2+75*x^5-175*x^4+100*x^3+5400*x^23-10575*x^24+5175*x^25)/(x-1)/(225*x^25-225*x^24+25*x^5-25*x^4-1)$  lgdogf  
A028429 14.2835  $[ -(64*x^8-64*x^7-1)/(x-1)^2$  ogf]  
A028429 15.5903  $2*(1+192*x^8-416*x^7+224*x^6)/(x-1)/(64*x^8-64*x^7-1)$  lgdogf

A028430 14.0479 [  $-(81x^9-81x^8-1)/(x-1)^2$  ogf]  
A028430 15.6279  $(2-1215x^8+648x^7+567x^9)/(x-1)/(81x^9-81x^8-1)$  lgdogf  
A028430 4.40864 [  $\{-a(n+3)+2a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4, a(4) = 5, a(5) = 6, a(6) = 7, a(7) = 8, a(8) = 90, a(9) = 91\}$ , ogf]  
A028431 13.2500 [  $-(100x^{10}-100x^9-1)/(x-1)^2$  ogf]  
A028431 14.1311  $2*(1+400x^{10}+450x^8-850x^9)/(x-1)/(100x^{10}-100x^9-1)$  lgdogf  
A028434 10.4495 [  $-(187x^{16}-199x^{15}+x^4-x^3-4)/(x-1)^2$  ogf]  
A028434 9.30438  $(8-5579x^{15}+2985x^{14}+2x^4-5x^3+3x^2+2618x^{16})/(x-1)/(187x^{16}-199x^{15}+x^4-x^3-4)$  lgdogf  
A028435 10.2032 [  $-(489x^{25}-509x^{24}+x^5-x^4-5)/(x-1)^2$  ogf]  
A028438 14.4163 [  $-(x^8-x^7-8)/(x-1)^2$  ogf]  
A028438 19.6530  $(16+6x^8-13x^7+7x^6)/(x-1)/(x^8-x^7-8)$  lgdogf  
A028439 14.5563 [  $-(x^9-x^8-9)/(x-1)^2$  ogf]  
A028439 19.8476  $(18-15x^8+8x^7+7x^9)/(x-1)/(x^9-x^8-9)$  lgdogf  
A028439 4.25491 [  $\{-a(n+3)+2a(n+2)-a(n+1), a(0) = 9, a(1) = 18, a(2) = 27, a(3) = 36, a(4) = 45, a(5) = 54, a(6) = 63, a(7) = 72, a(8) = 82, a(9) = 91\}$ , ogf]  
A028440 13.8624 [  $-(x^{10}-x^9-10)/(x-1)^2$  ogf]  
A028440 18.2272  $(20+8x^{10}+9x^8-17x^9)/(x-1)/(x^{10}-x^9-10)$  lgdogf  
A028447 4.14480 [  $-(x^8+3x^7-7x^6-16x^5+14x^4+16x^3-7x^2-3x+1)/(x^2-x-1)/(x^8+7x^7-13x^6-48x^5+28x^4+48x^3-13x^2-7x+1)$  ogf]  
A028455 5.14721 [  $-(x^3-4x+1)*(x^3+4x^2-1)/(x^8+8x^7-22x^6-60x^5+67x^4+60x^3-22x^2-8x+1)$  ogf]  
A028456 5.28781 [  $-(x+1)*(x^4-16x^3+45x^2-16x+1)/(x-1)/(x^6-23x^5-50x^4+405x^3-50x^2-23x+1)$  ogf]  
A028468 4.22850 [  $-(x^2-2x-1)*(x^4+2x^3-3x^2-2x+1)/(x-1)/(x+1)/(x^3+6x^2+5x+1)/(x^3-5x^2+6x-1)$  ogf]  
A028477 7.12335 [  $-(x^4+2x^3-4x^2-2x+1)/(x^2-2x-1)/(x^4+6x^3-3x^2-6x+1)$  ogf]  
A028479 4.55744 [  $-(x+1)*(x^6-6x^5-15x^4+56x^3-15x^2-6x+1)/(x-1)/(x^4-14x^3+34x^2-14x+1)/(x^4+8x^3+16x^2+8x+1)$  ogf]  
A028493 6.89760 [  $-(65x^3-131x^2+84x-16)/(3x-1)/(x-1)^3$  ogf]  
A028493 7.65571  $-(12-98x+195x^4-396x^3+299x^2)/(x-1)/(-1+3x)/(65x^3-131x^2+84x-16)$  lgdogf  
A028494 15.6339  $-3*(x+1)*(x^2-6x+3)/(x-1)/(3x^3-12x^2+5x+1)$  lgdogf  
A028494 8.16126 [  $(3x^3-12x^2+5x+1)/(x-1)^4$  ogf]  
A028495 14.0002 [  $-(x-1)*(x+1)/(x^3-2x^2-x+1)$  ogf]  
A028495 17.0341  $-(1+2x+x^4-2x^2)/(x-1)/(x+1)/(x^3-2x^2-x+1)$  lgdogf  
A028495 7.12512 [  $\{a(n+3)-a(n+2)-2a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A028498 3.27428 [  $4*(x^2+2)*(x-1)^2/(x^2-4x+2)^3$  egf]  
A028498 7.59431  $-2*(8-8x+x^4+2x^2)/(x-1)/(x^2+2)/(x^2-4x+2)$  lgdegf  
A028552 12.3549 [  $2x*(x-2)/(x-1)^3$  ogf]  
A028552 32.9911  $-(-5+2x)/(x-1)/(x-2)$  lgdogf  
A028552 6.28779 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 10\}$ , ogf]  
A028557 12.4885 [  $2x*(2x-3)/(x-1)^3$  ogf]  
A028557 30.4533  $-(-7+4x)/(x-1)/(2x-3)$  lgdogf  
A028557 6.35576 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 14\}$ , ogf]  
A028560 13.3742 [  $x*(5x-7)/(x-1)^3$  ogf]  
A028560 30.0312  $-2*(-8+5x)/(x-1)/(5x-7)$  lgdogf  
A028560 6.80652 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 16\}$ , ogf]  
A028563 16.7324 [  $2x*(3x-4)/(x-1)^3$  ogf]  
A028563 39.2384  $-3*(2x-3)/(x-1)/(3x-4)$  lgdogf  
A028563 8.51558 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 18\}$ , ogf]  
A028566 13.0980 [  $x*(7x-9)/(x-1)^3$  ogf]  
A028566 28.2730  $-2*(-10+7x)/(x-1)/(7x-9)$  lgdogf  
A028566 6.66594 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 9, a(2) = 20\}$ , ogf]

A028569 12.9382 [  $2x^*(4x-5)/(x-1)^3$  ogf]  
A028569 29.5571  $-(-11+8x)/(x-1)/(-5+4x)$  lgdogf  
A028569 6.64082 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 10, a(2) = 22\}$ , ogf]  
A028574 8.96479 [  $-1/(8x-1)/(2x-1)/(4x-1)/(16x-1)^2$  ogf]  
A028574 9.06627  $-2*(-23+392x+2560x^3-1888x^2)/(16x-1)/(8x-1)/(2x-1)/(4x-1)$  lgdogf  
A028575 6.89401  $(-25n-45)*a(n+1)+(10n+24)*a(n+2)+(-n-3)*a(n+3), a(0)=5, a(1)=24, a(2)=118$  lgdegf  
A028723 18.6382  $-3*(1+4x+2x^3+3x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A028723 32.4669 [  $-x^2+3x+3$  ogf\_with\_Euler\_transform]  
A028723 4.41206 [  $\{(-n^2-n)*a(n)+(-2n+2)*a(n+1)+(n^2-5n+6)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 1\}$ , ogf]  
A028723 8.08150 [  $-x^5*(x^2+x+1)/(x+1)^3/(x-1)^5$  ogf]  
A028724 18.7448  $-(2+10x+5x^3+7x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A028724 32.0786 [  $-x^2+3x+2$  ogf\_with\_Euler\_transform]  
A028724 4.15477 [  $\{(-n^3-n^2)*a(n)+(-n^2+n-2)*a(n+1)+(n^3-4n^2+5n-2)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1\}$ , ogf]  
A028724 7.98045 [  $x^4*(x^2+x+1)/(x+1)^3/(x-1)^4$  ogf]  
A028725 5.09410 [  $x^6*(x^4+2x^3+4x^2+2x+1)/(x+1)^5/(x-1)^6$  ogf]  
A028725 8.17472  $-(3+21x+7x^5+17x^4+42x^3+30x^2)/(x-1)/(x+1)/(x^4+2x^3+4x^2+2x+1)$  lgdogf  
A028762 3.82126 [  $(x^3+x^2+2x+3)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A028813 5.03200 [  $-(2x^28-x^27-x^26-x^24+x^23+x^22-x^21+x^20-x^18-x^9-x^8-x^6+x^4-x-2)/(x+1)/(x^8+1)/(x-1)^2$  ogf]  
A028814 11.3938 [  $-(2x-1)/(4x-1)/(x-1)^3$  ogf]  
A028814 15.5124  $-(5-20x+24x^2)/(x-1)/(2x-1)/(4x-1)$  lgdogf  
A028814 3.55351 [  $\{(n+4)*a(n+4)+(-26-7n)*a(n+3)+(48+14n)*a(n+2)+(-32-8n)*a(n+1), a(0) = 1, a(1) = 5, a(2) = 20, a(3) = 78\}$ , ogf]  
A028831 8.24745 [  $-(3x^2+2x+1)/(x^4+x^3+x^2+x-1)$  ogf]  
A028831 8.68132  $-(3+8x+6x^5+9x^4+8x^3+2x^2)/(3x^2+2x+1)/(x^4+x^3+x^2+x-1)$  lgdogf  
A028835 10.6674  $-(3+7x+10x^5+10x^4+23x^3+2x^7+6x^6+11x^2)/(x-1)/(x+1)/(x^2+1)/(2x^4+2x^3+2x^2+x+2)$  lgdogf  
A028835 12.9662 [  $(2x^4+2x^3+2x^2+x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A028836 11.1523  $-(2+6x+11x^5+11x^4+16x^3+x^7+9x^6+16x^2)/(x-1)/(x+1)/(x^2+1)/(x^4+4x^3+2x^2+x+1)$  lgdogf  
A028836 12.9662 [  $(x^4+4x^3+2x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A028837 13.8939 [  $(5x^2+3x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A028837 14.3302  $-2*(2+7x+5x^4+7x^3+6x^2)/(x-1)/(x^2+x+1)/(5x^2+3x+1)$  lgdogf  
A028837 5.07502 [  $\{(9n+32)*a(n+1)+9*a(n+2)+9*a(n+3)+(-9n-23)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 9, a(3) = 10\}$ , ogf]  
A028841 10.4375 [  $(x^5+3x^4+2x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A028841 7.98505  $-(2+4x+12x^5+18x^4+17x^3+7x^8+10x^7+10x^6+9x^2+x^9)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+3x^4+2x^3+x^2+x+1)$  lgdogf  
A028844 7.00444  $(-36n-66)*a(n+1)+(12n+29)*a(n+2)+(-n-3)*a(n+3), a(0)=6, a(1)=35, a(2)=415/2$  lgdegf  
A028859 10.6370 [  $\{a(n+2)-2a(n+1)-2a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A028859 19.3830 [  $-(x+1)/(2x^2+2x-1)$  ogf]  
A028859 19.5113  $1/2/(1+2x)*(-1-2x+((1+2x)*(6x+1))^(1/2))$  revogf  
A028859 25.2499  $-(3+2x^2+4x)/(x+1)/(2x^2+2x-1)$  lgdogf  
A028860 12.2312  $-1/2*(-1+2x+((1+2x)*(6x+1))^(1/2))/(2x+3)$  revogf  
A028860 12.3777 [  $-(3x-1)/(2x^2+2x-1)$  ogf]  
A028860 14.8758  $-(1-4x+6x^2)/(-1+3x)/(2x^2+2x-1)$  lgdogf  
A028860 6.79265 [  $\{a(n+2)-2a(n+1)-2a(n), a(0) = -1, a(1) = 1\}$ , ogf]  
A028872 12.4341 [  $(2x^2-3x-1)/(x-1)^3$  ogf]  
A028872 22.5175  $-2*(-3-x+x^2)/(x-1)/(2x^2-3x-1)$  lgdogf  
A028872 6.71221 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 13\}$ , ogf]  
A028875 12.9980 [  $(4x^2-11x+5)/(x-1)^3$  ogf]



A028875 26.7321  $-( -11+4*x+x^2)/(x-1)/(x^2+x-4)$  lgdogf  
A028875 7.19532  $[ \{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = -5, a(1) = -4, a(2) = -1\},$  ogf]  
A028878 12.6234  $[ (x+1)*(2*x-3)/(x-1)^3$  ogf]  
A028878 22.8676  $-2*(-5+x+x^2)/(x-1)/(2*x-3)/(x+1)$  lgdogf  
A028878 6.75465  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 10, a(2) = 19\},$  ogf]  
A028881 12.5603  $[ (3*x^2-3*x-2)/(x-1)^3$  ogf]  
A028881 24.2187  $-3*(-3+x^2)/(x-1)/(3*x^2-3*x-2)$  lgdogf  
A028881 6.78035  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 9, a(2) = 18\},$  ogf]  
A028884 12.5603  $[ (4*x^2-5*x-1)/(x-1)^3$  ogf]  
A028884 21.4508  $-2*(-4-x+2*x^2)/(x-1)/(4*x^2-5*x-1)$  lgdogf  
A028884 6.78035  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 8, a(2) = 17\},$  ogf]  
A028892 7.91166  $[ -(x^3-2*x^2-x+1)/(2*x^2-1)/(x^2+x-1)$  ogf]  
A028892 8.68120  $-x*(-2-8*x^4-7*x^3+6*x^2+2*x^5+4*x)/(2*x^2-1)/(x^2+x-1)/$   
 $(x^3-2*x^2-x+1)$  lgdogf  
A028895 18.4097  $[ -5*x/(x-1)^3$  ogf]  
A028895 7.39676  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 15\},$  ogf]  
A028895 93.2632  $-3/(x-1)$  lgdogf  
A028896 16.4822  $[ -6*x/(x-1)^3$  ogf]  
A028896 6.62233  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 18\},$  ogf]  
A028896 91.2936  $-3/(x-1)$  lgdogf  
A028898 7.39148  $[ -x*(6*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/$   
 $(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A028899 7.40415  $[ -x*(5*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/$   
 $(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A028900 7.38152  $[ -x*(4*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/$   
 $(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A028901 7.28915  $[ -x*(3*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/$   
 $(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A028902 7.32386  $[ -x*(2*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/$   
 $(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A028903 7.35857  $[ -x*(x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x$   
 $+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A028917 5.25569  $[ \{(-27*n^3-216*n^2-564*n-480)*a(n+1)+a(n+2), a(0) = 1, a(1) =$   
 $105\},$  ogf]  
A028918 5.36565  $[ \{(-27*n^3-216*n^2-555*n-450)*a(n+1)+a(n+2), a(0) = 3, a(1) =$   
 $252\},$  ogf]  
A028919 14.0458  $[ 2*x*(x^3+x^2+2*x+3)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A028991 8.61942  $[ -(19*x^4+20*x^3+64*x^2+8*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A028991 9.01726  $-(9+141*x+19*x^5+59*x^4+288*x^3+156*x^2)/(x-1)/(x+1)/$   
 $(19*x^4+20*x^3+64*x^2+8*x+1)$  lgdogf  
A028992 11.1225  $-(23+131*x+6*x^4+93*x^3+83*x^2)/(x-1)/(x+1)/(3*x^3+30*x^2+11*x$   
 $+12)$  lgdogf  
A028992 8.69414  $[ -2*x*(3*x^3+30*x^2+11*x+12)/(x+1)^2/(x-1)^3$  ogf]  
A028993 11.3821  $[ -(7*x^2+24*x+1)/(x-1)^3$  ogf]  
A028993 18.6795  $-(27+62*x+7*x^2)/(x-1)/(7*x^2+24*x+1)$  lgdogf  
A028993 6.19028  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 27, a(2) =$   
 $85\},$  ogf]  
A028994 12.2326  $[ -2*x*(11*x+5)/(x-1)^3$  ogf]  
A028994 26.3234  $-2*(13+11*x)/(11*x+5)/(x-1)$  lgdogf  
A028994 6.38691  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 10, a(2) =$   
 $52\},$  ogf]  
A029000 10.1929  $-(1+3*x+4*x^2+3*x^3+x^4+12*x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$   
lgdogf  
A029000 24.8840  $[x^5+x^2+x+1$  ogf\_with\_Euler\_transform]  
A029000 8.24782  $[ 1/(x^2-x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]

A029001 19.7079 [x^6+x^2+x+1 ogf\_with\_Euler\_transform]  
A029001 5.69874 -(1+5\*x  
+18\*x^5+18\*x^4+18\*x^3+27\*x^8+31\*x^7+25\*x^6+12\*x^2+13\*x^9)/(x-1)/(x+1)/(x^2+x+1)/  
(x^6+x^5+x^4+x^3+x^2+x+1) lgdogf  
A029001 6.05394 [ 1/(x+1)/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4 ogf]  
A029002 20.1667 [x^7+x^2+x+1 ogf\_with\_Euler\_transform]  
A029002 6.13720 [ 1/(x^2+1)/(x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^4 ogf]  
A029002 6.59906 -(1+4\*x+10\*x^5+8\*x^4+10\*x^3+15\*x^8+18\*x^7+8\*x^6+8\*x^2+14\*x^9)/  
(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^4+1) lgdogf  
A029003 27.8894 [x^8+x^2+x+1 ogf\_with\_Euler\_transform]  
A029003 8.71621 [ 1/(x+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A029003 9.86245 -(1+4\*x+7\*x^5+4\*x^4+7\*x^3+16\*x^8+4\*x^7+7\*x^6+7\*x^2+15\*x^9)/  
(x-1)/(x+1)/(x^2+x+1)/(x^6+x^3+1) lgdogf  
A029004 19.9308 [x^9+x^2+x+1 ogf\_with\_Euler\_transform]  
A029004 5.95614 [ 1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x+1)^2/  
(x-1)^4 ogf]  
A029005 24.4821 [x^10+x^2+x+1 ogf\_with\_Euler\_transform]  
A029005 7.81211 [ 1/(x+1)/(x^2+x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/  
(x-1)^4 ogf]  
A029006 19.2302 [x^11+x^2+x+1 ogf\_with\_Euler\_transform]  
A029006 5.48352 -(1+3\*x  
+4\*x^2+3\*x^3+x^4+6\*x^5+x^6+3\*x^7+4\*x^8+3\*x^9+x^10+18\*x^11)/(x-1)/(x+1)/(x^2+x  
+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) lgdogf  
A029006 6.14223 [ 1/(x^2+1)/(x^2-x+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4  
ogf]  
A029007 17.9865 [[x^4+x^3+x+1 ogf\_with\_Euler\_transform]  
A029007 6.68955 [ 1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4 ogf]  
A029007 7.50928 -(1+4\*x+16\*x^5+17\*x^4+12\*x^3+12\*x^7+13\*x^6+5\*x^2)/(x-1)/(x+1)/  
(x^2+1)/(x^4+x^3+x^2+x+1) lgdogf  
A029008 19.9308 [x^6+x^3+x+1 ogf\_with\_Euler\_transform]  
A029008 4.93381 [ 1/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4 ogf]  
A029008 5.92187 -(1+4\*x+12\*x^5+12\*x^4+12\*x^3+15\*x^8+18\*x^7+19\*x^6+5\*x^2+14\*x^9)/  
(x-1)/(x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1) lgdogf  
A029009 20.1528 [x^8+x^3+x+1 ogf\_with\_Euler\_transform]  
A029009 4.64174 [ 1/(x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x+1)^2/(x-1)^4 ogf]  
A029009 5.39408 -(1+16\*x^11+17\*x^10+4\*x  
+12\*x^5+12\*x^4+12\*x^3+21\*x^8+12\*x^7+12\*x^6+5\*x^2+20\*x^9)/(x-1)/(x+1)/(x^2+1)/  
(x^2+x+1)/(x^6+x^3+1) lgdogf  
A029010 26.8085 [x^10+x^3+x+1 ogf\_with\_Euler\_transform]  
A029010 6.31003 [ 1/(x^2+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/  
(x-1)^4 ogf]  
A029011 17.5844 [[1+x+1/24\*x^4+1/120\*x^5] egf\_with\_Euler\_transform]  
A029011 7.42099 -(1+4\*x+22\*x^5+14\*x^4+8\*x^3+15\*x^8+18\*x^7+19\*x^6+5\*x^2+14\*x^9)/  
(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1) lgdogf  
A029011 8.73740 [ 1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4 ogf]  
A029012 20.1528 [x^6+x^4+x+1 ogf\_with\_Euler\_transform]  
A029012 6.07646 [ 1/(x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4  
ogf]  
A029013 20.4932 [x^7+x^4+x+1 ogf\_with\_Euler\_transform]  
A029013 5.03417 [ 1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^4 ogf]  
A029013 5.35329 -(1+16\*x^11+17\*x^10+4\*x  
+16\*x^5+14\*x^4+8\*x^3+21\*x^8+24\*x^7+14\*x^6+5\*x^2+20\*x^9)/(x-1)/(x+1)/(x^2+1)/  
(x^4+x^3+x^2+x+1)/(x^4+1) lgdogf  
A029014 20.3740 [x^8+x^4+x+1 ogf\_with\_Euler\_transform]  
A029014 4.82616 [ 1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x-1)^4 ogf]  
A029015 24.1055 [x^10+x^4+x+1 ogf\_with\_Euler\_transform]  
A029015 5.83661 [ 1/(x+1)/(x^4+x^3+x^2+x+1)/  
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4 ogf]  
A029016 19.5435 [x^11+x^4+x+1 ogf\_with\_Euler\_transform]  
A029016 4.73589 [ 1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/(x  
+1)^2/(x-1)^4 ogf]

A029017 20.3740 [x^6+x^5+x+1 ogf\_with\_Euler\_transform]  
A029017 6.62414 [ 1/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4 ogf]  
A029018 20.1357 [x^8+x^5+x+1 ogf\_with\_Euler\_transform]  
A029018 5.05879 [ 1/(x^2-x+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029018 5.76951 -(1+18\*x^11+x^10+3\*x+10\*x^5+4\*x^4+4\*x^3+19\*x^8+4\*x^7+4\*x^6+x^2+3\*x^9)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^3+1) lgdogf  
A029019 19.7562 [x^10+x^5+x+1 ogf\_with\_Euler\_transform]  
A029019 4.65482 [ 1/(x^2+x+1)/(x^2-x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4 ogf]  
A029020 20.1357 [x^7+x^6+x+1 ogf\_with\_Euler\_transform]  
A029020 6.54667 [ 1/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^4 ogf]  
A029021 20.3549 [x^8+x^6+x+1 ogf\_with\_Euler\_transform]  
A029021 6.08062 [ 1/(x+1)/(x^2+x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4 ogf]  
A029022 20.3549 [x^9+x^6+x+1 ogf\_with\_Euler\_transform]  
A029022 5.07480 [ 1/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4 ogf]  
A029023 24.2048 [x^10+x^6+x+1 ogf\_with\_Euler\_transform]  
A029023 5.65949 [ 1/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4 ogf]  
A029024 19.4076 [x^11+x^6+x+1 ogf\_with\_Euler\_transform]  
A029024 4.54136 [ 1/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/(x+1)^2/(x-1)^4 ogf]  
A029025 20.2352 [x^8+x^7+x+1 ogf\_with\_Euler\_transform]  
A029025 6.77757 [ 1/(x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x^4+1)/(x+1)^2/(x-1)^4 ogf]  
A029026 19.8514 [x^10+x^7+x+1 ogf\_with\_Euler\_transform]  
A029026 4.91396 [ 1/(x^2+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^4 ogf]  
A029027 20.3327 [x^9+x^8+x+1 ogf\_with\_Euler\_transform]  
A029027 6.54503 [ 1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^3+1)/(x+1)^2/(x-1)^4 ogf]  
A029028 19.7347 [x^10+x^8+x+1 ogf\_with\_Euler\_transform]  
A029028 6.01909 [ 1/(x+1)/(x^2+x+1)/(x^6+x^3+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4 ogf]  
A029029 19.6179 [x^11+x^8+x+1 ogf\_with\_Euler\_transform]  
A029029 4.96407 [ 1/(x^2+1)/(x^2-x+1)/(x^6+x^3+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029030 19.5011 [x^10+x^9+x+1 ogf\_with\_Euler\_transform]  
A029030 6.66160 [ 1/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4 ogf]  
A029031 19.1471 [x^11+x^10+x+1 ogf\_with\_Euler\_transform]  
A029031 6.73231 [ 1/(x^2+x+1)/(x^2-x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/(x+1)^2/(x-1)^4 ogf]  
A029032 15.8520 [[x^4+x^3+x^2+1] ogf\_with\_Euler\_transform]  
A029032 5.74468 -(1+3\*x+45\*x^5+33\*x^4+19\*x^3+27\*x^8+42\*x^7+48\*x^6+9\*x^2+13\*x^9)/(x-1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1) lgdogf  
A029032 8.59614 [ 1/(x+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^2+1)/(x-1)^4 ogf]  
A029033 18.1714 [x^6+x^3+x^2+1 ogf\_with\_Euler\_transform]  
A029033 9.25564 [ 1/(x+1)/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x-1)^4 ogf]  
A029034 17.9589 [x^7+x^3+x^2+1 ogf\_with\_Euler\_transform]  
A029034 6.51955 -(1+2\*x+10\*x^5+10\*x^4+10\*x^3+17\*x^8+18\*x^7+6\*x^6+6\*x^2+16\*x^9)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^4+1) lgdogf  
A029034 6.61149 [ 1/(x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029035 17.8526 [x^8+x^3+x^2+1 ogf\_with\_Euler\_transform]  
A029035 5.35540 -(1+17\*x^11+18\*x^10+2\*x+14\*x^5+11\*x^4+11\*x^3+23\*x^8+11\*x^7+11\*x^6+6\*x^2+19\*x^9)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^6+x^3+1) lgdogf

A029035 6.26234 [  $1/(x+1)/(x^2+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x-1)^4$  ogf ]  
A029036 18.2611 [  $x^9+x^3+x^2+1$  ogf\_with\_Euler\_transform ]  
A029036 6.34505 [  $1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+1)/(x+1)^2/(x-1)^4$  ogf ]  
A029037 21.7647 [  $x^{10}+x^3+x^2+1$  ogf\_with\_Euler\_transform ]  
A029037 7.48105 [  $1/(x+1)/(x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x-1)^4$  ogf ]  
A029038 17.4686 [  $x^{11}+x^3+x^2+1$  ogf\_with\_Euler\_transform ]  
A029038 5.76219 [  $-(1+x+4*x^2+5*x^3+x^4+4*x^5+x^6+5*x^7+4*x^8+x^9+x^{10}+20*x^{11})/(x^2-x+1)/(x^2+x+1)/(x^2+1)/(x-1)/(x+1)/(x^4-x^2+1)$  lgdogf ]  
A029038 6.23373 [  $1/(x^2-x+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x^2+1)^2/(x+1)^2/(x-1)^4$  ogf ]  
A029039 22.1510 [  $x^5+x^4+x^2+1$  ogf\_with\_Euler\_transform ]  
A029039 7.20165 [  $-(1+2*x+22*x^5+13*x^4+7*x^3+16*x^8+17*x^7+21*x^6+6*x^2+15*x^9)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf ]  
A029039 7.76379 [  $1/(x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^4$  ogf ]  
A029040 18.1544 [  $x^7+x^4+x^2+1$  ogf\_with\_Euler\_transform ]  
A029040 6.08062 [  $1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^4+1)/(x-1)^4$  ogf ]  
A029041 22.1316 [  $x^8+x^4+x^2+1$  ogf\_with\_Euler\_transform ]  
A029041 6.10402 [  $-(1+18*x^{12}+19*x^{11}+20*x^{10}+2*x^{16}+16*x^5+13*x^4+7*x^3+25*x^8+13*x^7+16*x^6+6*x^2+24*x^9)/(x-1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)$  lgdogf ]  
A029041 6.22859 [  $1/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x-1)^4$  ogf ]  
A029042 17.8340 [  $x^9+x^4+x^2+1$  ogf\_with\_Euler\_transform ]  
A029042 4.57268 [  $1/(x+1)/(x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)^2/(x-1)^4$  ogf ]  
A029043 17.7618 [  $x^{10}+x^4+x^2+1$  ogf\_with\_Euler\_transform ]  
A029043 4.67674 [  $1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf ]  
A029044 17.6573 [  $x^{11}+x^4+x^2+1$  ogf\_with\_Euler\_transform ]  
A029044 4.64923 [  $1/(x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x-1)^4$  ogf ]  
A029045 18.0476 [  $x^6+x^5+x^2+1$  ogf\_with\_Euler\_transform ]  
A029045 6.09981 [  $1/(x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^4$  ogf ]  
A029046 17.8340 [  $x^7+x^5+x^2+1$  ogf\_with\_Euler\_transform ]  
A029046 4.87528 [  $1/(x^2+1)/(x^2-x+1)/(x^4+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf ]  
A029046 5.48438 [  $-(1+18*x^{11}+x^{10}+x^{12}+12*x^5+6*x^4+2*x^3+5*x^8+20*x^7+6*x^6+5*x^2+19*x^9)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf ]  
A029047 22.2209 [  $x^9+x^5+x^2+1$  ogf\_with\_Euler\_transform ]  
A029047 6.02501 [  $1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf ]  
A029048 17.5529 [  $x^{10}+x^5+x^2+1$  ogf\_with\_Euler\_transform ]  
A029048 4.59006 [  $1/(x+1)/(x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^4$  ogf ]  
A029049 18.5434 [  $x^7+x^6+x^2+1$  ogf\_with\_Euler\_transform ]  
A029049 6.44169 [  $1/(x+1)/(x^2+1)/(x^2+x+1)/(x^4+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf ]  
A029050 18.4356 [  $x^8+x^6+x^2+1$  ogf\_with\_Euler\_transform ]  
A029050 5.00185 [  $1/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^4$  ogf ]  
A029051 18.3278 [  $x^9+x^6+x^2+1$  ogf\_with\_Euler\_transform ]  
A029051 6.36679 [  $1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf ]  
A029052 4.84945 [  $1/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf ]  
A029053 20.5794 [  $x^{11}+x^6+x^2+1$  ogf\_with\_Euler\_transform ]  
A029053 5.49074 [  $1/(x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x-1)^4$  ogf ]

A029054 18.1121 [x^8+x^7+x^2+1 ogf\_with\_Euler\_transform]  
A029054 6.23362 [ 1/(x+1)/(x^2+1)/(x^6+x^3+1)/(x^4+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A029055 14.8036 [(1/x^7+1)\*(x^9+x^7) ogf\_with\_Euler\_transform]  
A029055 4.99421 [ 1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^4 ogf]  
A029056 17.4256 [x^10+x^7+x^2+1 ogf\_with\_Euler\_transform]  
A029056 5.99295 [ 1/(x+1)/(x^2+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^4+1)/(x-1)^4 ogf]  
A029057 17.7166 [x^11+x^7+x^2+1 ogf\_with\_Euler\_transform]  
A029057 5.04671 [ 1/(x^2-x+1)/(x^4-x^2+1)/(x^4+1)/(x^2+x+1)^2/(x^2+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029058 18.1954 [x^9+x^8+x^2+1 ogf\_with\_Euler\_transform]  
A029058 6.03803 [ 1/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A029059 14.5483 [(1/x^8+1)\*(x^10+x^8) ogf\_with\_Euler\_transform]  
A029059 4.97950 [ 1/(x^6+x^3+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A029060 17.5057 [x^10+x^9+x^2+1 ogf\_with\_Euler\_transform]  
A029060 5.91335 [ 1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4 ogf]  
A029061 14.7013 [(1/x^9+1)\*(x^11+x^9) ogf\_with\_Euler\_transform]  
A029061 4.85166 [ 1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029062 17.2367 [x^11+x^10+x^2+1 ogf\_with\_Euler\_transform]  
A029062 5.97512 [ 1/(x+1)/(x^2+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A029063 16.2868 [[x^5+x^4+x^3+1] ogf\_with\_Euler\_transform]  
A029063 8.82867 [ 1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^4 ogf]  
A029064 17.8340 [x^6+x^4+x^3+1 ogf\_with\_Euler\_transform]  
A029064 6.02762 [ 1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4 ogf]  
A029065 18.1346 [x^7+x^4+x^3+1 ogf\_with\_Euler\_transform]  
A029065 5.30792 -(1+18\*x^11+19\*x^10+2\*x+14\*x^5+14\*x^4+8\*x^3+21\*x^8+26\*x^7+14\*x^6+3\*x^2+20\*x^9)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4+1) lgdogf  
A029065 6.87896 [ 1/(x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029066 18.4356 [x^8+x^4+x^3+1 ogf\_with\_Euler\_transform]  
A029066 8.89939 [ 1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^4 ogf]  
A029067 22.4204 [x^9+x^4+x^3+1 ogf\_with\_Euler\_transform]  
A029067 6.58223 -(1+20\*x^11+x^10+x+6\*x^5+7\*x^4+6\*x^3+2\*x^8+6\*x^7+7\*x^6+2\*x^2+21\*x^9)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) lgdogf  
A029067 8.08514 [ 1/(x^2+1)/(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029068 17.6355 [x^10+x^4+x^3+1 ogf\_with\_Euler\_transform]  
A029068 6.23362 [ 1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4 ogf]  
A029069 17.5305 [x^11+x^4+x^3+1 ogf\_with\_Euler\_transform]  
A029069 6.19652 [ 1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^2+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029070 18.5434 [x^6+x^5+x^3+1 ogf\_with\_Euler\_transform]  
A029070 6.44169 [ 1/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^4 ogf]  
A029071 22.3088 [x^8+x^5+x^3+1 ogf\_with\_Euler\_transform]  
A029071 6.04836 [ 1/(x^2+1)/(x^2-x+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029072 21.8059 [x^10+x^5+x^3+1 ogf\_with\_Euler\_transform]  
A029072 6.20728 [ 1/(x^2+x+1)/(x^2-x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^4 ogf]

A029073 17.8965 [x^7+x^6+x^3+1 ogf\_with\_Euler\_transform]  
A029073 6.21698 [ 1/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029074 4.52883 [ 1/(x+1)/(x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4 ogf]  
A029075 4.87125 [ 1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4 ogf]  
A029076 17.5057 [x^10+x^6+x^3+1 ogf\_with\_Euler\_transform]  
A029076 6.01989 [ 1/(x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4 ogf]  
A029077 21.8888 [x^11+x^6+x^3+1 ogf\_with\_Euler\_transform]  
A029077 6.23043 [ 1/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^2+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029078 22.1714 [x^8+x^7+x^3+1 ogf\_with\_Euler\_transform]  
A029078 7.62461 [ 1/(x^2+x+1)/(x^6+x^3+1)/(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029079 14.6138 [(1/x^7+1)\*(x^10+x^7) ogf\_with\_Euler\_transform]  
A029079 4.89267 [ 1/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029080 18.4669 [x^9+x^8+x^3+1 ogf\_with\_Euler\_transform]  
A029080 6.35383 [ 1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^6+x^3+1)/(x+1)^2/(x-1)^4 ogf]  
A029081 17.8745 [x^10+x^8+x^3+1 ogf\_with\_Euler\_transform]  
A029081 4.60915 [ 1/(x+1)/(x^2+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^4 ogf]  
A029082 14.5901 [(1/x^8+1)\*(x^11+x^8) ogf\_with\_Euler\_transform]  
A029082 4.99284 [ 1/(x^2-x+1)/(x^6+x^3+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x^2+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029083 17.5553 [x^10+x^9+x^3+1 ogf\_with\_Euler\_transform]  
A029083 5.92896 [ 1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4 ogf]  
A029084 17.6693 [x^11+x^10+x^3+1 ogf\_with\_Euler\_transform]  
A029084 6.12339 [ 1/(x^2+x+1)/(x^2-x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^2+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029085 18.1121 [x^6+x^5+x^4+1 ogf\_with\_Euler\_transform]  
A029085 8.74326 [ 1/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4 ogf]  
A029086 17.7887 [x^7+x^5+x^4+1 ogf\_with\_Euler\_transform]  
A029086 5.95684 [ 1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^2-x+1)/(x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^4 ogf]  
A029087 18.0871 [x^8+x^5+x^4+1 ogf\_with\_Euler\_transform]  
A029087 6.22438 [ 1/(x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A029088 18.3861 [x^9+x^5+x^4+1 ogf\_with\_Euler\_transform]  
A029088 6.83275 [ 1/(x^2+x+1)/(x^2-x+1)/(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029089 17.7963 [x^10+x^5+x^4+1 ogf\_with\_Euler\_transform]  
A029089 8.82119 [ 1/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4 ogf]  
A029090 17.5844 [x^11+x^5+x^4+1 ogf\_with\_Euler\_transform]  
A029090 6.71146 [ 1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x+1)^2/(x^2-x+1)^2/(x^2+x+1)^2/(x-1)^4 ogf]  
A029091 18.0871 [x^7+x^6+x^4+1 ogf\_with\_Euler\_transform]  
A029091 6.28255 [ 1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x-1)^4 ogf]  
A029092 4.65227 [ 1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4 ogf]  
A029093 4.79870 [ 1/(x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)^2/(x-1)^4 ogf]  
A029094 17.8745 [x^10+x^6+x^4+1 ogf\_with\_Euler\_transform]  
A029094 5.09070 [ 1/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4 ogf]

A029095 17.7681 [x<sup>11</sup>+x<sup>6</sup>+x<sup>4</sup>+1 ogf\_with\_Euler\_transform]  
A029095 6.33732 [ 1/(x+1)/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x-1)<sup>4</sup> ogf]  
A029096 18.4669 [x<sup>8</sup>+x<sup>7</sup>+x<sup>4</sup>+1 ogf\_with\_Euler\_transform]  
A029096 6.12691 [ 1/(x+1)/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>+1)/(x-1)<sup>4</sup> ogf]  
A029097 18.2484 [x<sup>9</sup>+x<sup>7</sup>+x<sup>4</sup>+1 ogf\_with\_Euler\_transform]  
A029097 4.61288 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>4</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029098 4.68513 [ 1/(x+1)/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>+1)/(x-1)<sup>4</sup> ogf]  
A029099 4.93441 [ 1/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>4</sup>+1)/(x<sup>2</sup>+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029100 18.3268 [x<sup>9</sup>+x<sup>8</sup>+x<sup>4</sup>+1 ogf\_with\_Euler\_transform]  
A029100 6.30508 [ 1/(x+1)/(x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029101 5.09493 [ 1/(x<sup>2</sup>+x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x-1)<sup>4</sup> ogf]  
A029102 18.0270 [x<sup>11</sup>+x<sup>8</sup>+x<sup>4</sup>+1 ogf\_with\_Euler\_transform]  
A029102 4.64763 [ 1/(x+1)/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029103 17.9197 [x<sup>10</sup>+x<sup>9</sup>+x<sup>4</sup>+1 ogf\_with\_Euler\_transform]  
A029103 6.05093 [ 1/(x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029104 18.2090 [x<sup>11</sup>+x<sup>9</sup>+x<sup>4</sup>+1 ogf\_with\_Euler\_transform]  
A029104 4.66266 [ 1/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>2</sup>+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029105 16.1824 [x<sup>4</sup>+1+x<sup>10</sup>\*(x+1) ogf\_with\_Euler\_transform]  
A029105 6.03897 [ 1/(x+1)/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x-1)<sup>4</sup> ogf]  
A029106 18.1685 [x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+1 ogf\_with\_Euler\_transform]  
A029106 8.76869 [ 1/(x<sup>2</sup>+1)/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>+1)/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029107 6.05440 [ 1/(x+1)/(x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029108 5.92896 [ 1/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029109 6.06219 [ 1/(x+1)/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x-1)<sup>4</sup> ogf]  
A029110 6.65330 [ 1/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x+1)<sup>2</sup>/(x<sup>2</sup>-x+1)<sup>2</sup>/(x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029111 5.98190 [ 1/(x<sup>2</sup>+1)/(x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029112 18.0270 [x<sup>10</sup>+x<sup>7</sup>+x<sup>5</sup>+1 ogf\_with\_Euler\_transform]  
A029112 4.67924 [ 1/(x<sup>2</sup>+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>2</sup>+x+1)/(x<sup>4</sup>+1)/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029113 18.5142 [x<sup>9</sup>+x<sup>8</sup>+x<sup>5</sup>+1 ogf\_with\_Euler\_transform]  
A029113 6.36897 [ 1/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029114 4.69417 [ 1/(x+1)/(x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029115 17.8858 [x<sup>10</sup>+x<sup>9</sup>+x<sup>5</sup>+1 ogf\_with\_Euler\_transform]  
A029115 6.26059 [ 1/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029116 17.4975 [x<sup>11</sup>+x<sup>10</sup>+x<sup>5</sup>+1 ogf\_with\_Euler\_transform]  
A029116 6.28536 [ 1/(x<sup>2</sup>+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x+1)<sup>2</sup>/(x<sup>2</sup>-x+1)<sup>2</sup>/(x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029117 11.8251 [(-1/x<sup>9</sup>-1/x<sup>3</sup>+1/x<sup>8</sup>+1)\*x<sup>9</sup>/(x-1) ogf\_with\_Euler\_transform]  
A029117 9.14692 [ 1/(x+1)/(x<sup>2</sup>+1)/(x<sup>2</sup>+x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x-1)<sup>4</sup> ogf]  
A029118 6.01469 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/

$(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^4$  ogf]  
A029119 17.9936 [x<sup>10</sup>+x<sup>7</sup>+x<sup>6</sup>+1 ogf\_with\_Euler\_transform]  
A029119 6.29830 [ 1/(x+1)/(x<sup>2</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/  
(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>+1)/(x-1)<sup>4</sup> ogf]  
A029120 16.5771 [1+x<sup>6</sup>\*(x<sup>5</sup>+x+1) ogf\_with\_Euler\_transform]  
A029120 6.26059 [ 1/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/  
(x<sup>4</sup>+1)/(x<sup>2</sup>+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029121 6.39469 [ 1/(x+1)/(x<sup>2</sup>+x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/  
(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x-1)<sup>4</sup> ogf]  
A029122 4.58307 [ 1/(x<sup>2</sup>+x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/  
(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x-1)<sup>4</sup> ogf]  
A029123 17.7781 [x<sup>11</sup>+x<sup>8</sup>+x<sup>6</sup>+1 ogf\_with\_Euler\_transform]  
A029123 4.71038 [ 1/(x+1)/(x<sup>2</sup>+1)/(x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/  
(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029124 17.7781 [x<sup>10</sup>+x<sup>9</sup>+x<sup>6</sup>+1 ogf\_with\_Euler\_transform]  
A029124 6.22288 [ 1/(x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/  
(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x-1)<sup>4</sup>  
ogf]  
A029125 18.0662 [x<sup>11</sup>+x<sup>9</sup>+x<sup>6</sup>+1 ogf\_with\_Euler\_transform]  
A029125 4.62571 [ 1/(x<sup>2</sup>+1)/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x  
+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029126 17.4975 [x<sup>11</sup>+x<sup>10</sup>+x<sup>6</sup>+1 ogf\_with\_Euler\_transform]  
A029127 11.5197 [(1/x<sup>9</sup>-1/x<sup>10</sup>-1/x<sup>3</sup>+1)/(x-1)\*x<sup>10</sup> ogf\_with\_Euler\_transform]  
A029127 8.74877 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>2</sup>+x+1)/  
(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>+1)/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029128 6.04589 [ 1/(x+1)/(x<sup>2</sup>+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/  
(x<sup>2</sup>+x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>+1)/(x-1)<sup>4</sup> ogf]  
A029129 17.8498 [x<sup>11</sup>+x<sup>8</sup>+x<sup>7</sup>+1 ogf\_with\_Euler\_transform]  
A029129 6.19069 [ 1/(x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>4</sup>+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/  
(x<sup>2</sup>+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029130 6.32322 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/  
(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>+1)/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029131 17.3922 [x<sup>11</sup>+x<sup>10</sup>+x<sup>7</sup>+1 ogf\_with\_Euler\_transform]  
A029132 11.4419 [(-1/x<sup>11</sup>+1/x<sup>10</sup>-1/x<sup>3</sup>+1)\*x<sup>11</sup>/(x-1) ogf\_with\_Euler\_transform]  
A029135 11.3049 [(1/x<sup>11</sup>-1/x<sup>3</sup>-1/x<sup>12</sup>+1)\*x<sup>12</sup>/(x-1) ogf\_with\_Euler\_transform]  
A029136 10.6980 -x\*(2+17\*x<sup>4</sup>+3\*x<sup>3</sup>+8\*x<sup>2</sup>+15\*x<sup>6</sup>+3\*x)/(x-1)/(x+1)/(x<sup>2</sup>+1)/(x<sup>2</sup>+x  
+1)/(x<sup>2</sup>-x+1) lgdogf  
A029136 20.0530 [[x<sup>5</sup>+x<sup>3</sup>+x<sup>2</sup>+x] ogf\_with\_Euler\_transform]  
A029136 7.50387 [ 1/(x<sup>2</sup>+1)/(x<sup>2</sup>-x+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029137 19.7522 [x\*(x<sup>5</sup>+x<sup>2</sup>+x+1) ogf\_with\_Euler\_transform]  
A029137 6.15895 -  
x\*(16\*x<sup>10</sup>+32\*x<sup>9</sup>+2+36\*x<sup>4</sup>+27\*x<sup>3</sup>+18\*x<sup>2</sup>+55\*x<sup>7</sup>+50\*x<sup>6</sup>+43\*x<sup>5</sup>+7\*x+50\*x<sup>8</sup>)/(x-1)/  
(x+1)/(x<sup>2</sup>+x+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+1) lgdogf  
A029137 7.32473 [ 1/(x<sup>2</sup>+x+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+1)/(x+1)<sup>2</sup>/(x-1)<sup>4</sup>  
ogf]  
A029138 21.3810 [x\*(x<sup>6</sup>+x<sup>2</sup>+x+1) ogf\_with\_Euler\_transform]  
A029138 5.94477 [ 1/(x<sup>2</sup>+x+1)/(x<sup>4</sup>+1)/(x<sup>2</sup>+1)<sup>2</sup>/(x+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029138 9.12903 -x\*(2+11\*x<sup>4</sup>+9\*x<sup>3</sup>+11\*x<sup>2</sup>+17\*x<sup>7</sup>+19\*x<sup>6</sup>+5\*x<sup>5</sup>+5\*x+17\*x<sup>8</sup>)/(x-1)/  
(x+1)/(x<sup>2</sup>+1)/(x<sup>2</sup>+x+1)/(x<sup>4</sup>+1) lgdogf  
A029139 23.5797 [x<sup>8</sup>+x<sup>3</sup>+x<sup>2</sup>+x ogf\_with\_Euler\_transform]  
A029139 6.43851 [ 1/(x<sup>2</sup>+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029139 7.44024 -  
x\*(18\*x<sup>10</sup>+18\*x<sup>9</sup>+2+14\*x<sup>4</sup>+11\*x<sup>3</sup>+11\*x<sup>2</sup>+23\*x<sup>7</sup>+11\*x<sup>6</sup>+11\*x<sup>5</sup>+5\*x+20\*x<sup>8</sup>)/(x-1)/  
(x+1)/(x<sup>2</sup>+1)/(x<sup>2</sup>+x+1)/(x<sup>6</sup>+x<sup>3</sup>+1) lgdogf  
A029140 17.6809 [x<sup>9</sup>+x<sup>3</sup>+x<sup>2</sup>+x ogf\_with\_Euler\_transform]  
A029140 4.41075 [ 1/(x<sup>2</sup>+x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>2</sup>+1)/(x  
+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029141 17.5057 [x<sup>10</sup>+x<sup>3</sup>+x<sup>2</sup>+x ogf\_with\_Euler\_transform]  
A029141 4.60833 [ 1/(x<sup>2</sup>+x+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/  
(x<sup>2</sup>+1)/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029142 17.7963 [x<sup>11</sup>+x<sup>3</sup>+x<sup>2</sup>+x ogf\_with\_Euler\_transform]



A029142 4.68436 [  $1/(x^2-x+1)/(x^4-x^2+1)/(x^2+1)^2/(x^2+x+1)^2/(x+1)^3/(x-1)^4$  ogf ]  
A029142 6.67103  $-x*(2+3*x+6*x^2+5*x^4+6*x^6+3*x^7+2*x^8+21*x^{10})/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)$  lgdogf  
A029143 18.1121 [  $x^5+x^4+x^2+x$  ogf\_with\_Euler\_transform ]  
A029143 6.12231  $-x*(2+23*x^4+12*x^3+7*x^2+16*x^7+18*x^6+21*x^5+5*x+16*x^8)/(x^4+x^3+x^2+x+1)/(x^2-x+1)/(x^2+x+1)/(x-1)/(x+1)$  lgdogf  
A029143 6.66565 [  $1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf ]  
A029144 16.0532 [  $x*(x^5+x^3+x+1)$  ogf\_with\_Euler\_transform ]  
A029144 8.70012 [  $1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf ]  
A029145 16.2248 [  $x*(x^6+x^3+x+1)$  ogf\_with\_Euler\_transform ]  
A029145 8.24948 [  $1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^4$  ogf ]  
A029146 26.8159 [  $x^8+x^4+x^2+x$  ogf\_with\_Euler\_transform ]  
A029146 8.65554 [  $1/(x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x-1)^4$  ogf ]  
A029147 18.0597 [  $x^9+x^4+x^2+x$  ogf\_with\_Euler\_transform ]  
A029147 5.10866  $-x*(20*x^{10}+20*x^9+2+12*x^4+10*x^3+7*x^2+5*x^7+7*x^6+10*x^5+5*x+22*x^8)/(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x-1)/(x+1)$  lgdogf  
A029147 6.51598 [  $1/(x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf ]  
A029148 21.5605 [  $x^{10}+x^4+x^2+x$  ogf\_with\_Euler\_transform ]  
A029148 7.34246 [  $1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf ]  
A029149 20.8247 [  $x^{11}+x^4+x^2+x$  ogf\_with\_Euler\_transform ]  
A029149 7.09238 [  $1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf ]  
A029150 16.5923 [  $x*(x^5+x^4+x+1)$  ogf\_with\_Euler\_transform ]  
A029150 4.88054 [  $1/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf ]  
A029150 5.16266  $-x*(18*x^{10}+18*x^9+2+18*x^4+7*x^3+7*x^2+23*x^7+25*x^6+25*x^5+5*x+20*x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A029151 16.2978 [  $x*(x^6+x^4+x+1)$  ogf\_with\_Euler\_transform ]  
A029151 5.83605 [  $1/(x^2+1)/(x^2-x+1)/(x^4+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^4$  ogf ]  
A029151 5.93709  $-x*(19*x^{10}+2+15*x^4+3*x^3+4*x^2+3*x^7+23*x^6+3*x^5+3*x+21*x^8)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A029152 6.07237 [  $1/(x^2-x+1)/(x^6+x^3+1)/(x+1)^2/(x^2+x+1)^3/(x-1)^4$  ogf ]  
A029152 6.24388  $-x*(20*x^{10}+2+14*x^4+2*x^3+2*x^2+23*x^7+2*x^6+2*x^5+3*x+2*x^8)/(x^6+x^3+1)/(x^2-x+1)/(x^2+x+1)/(x-1)/(x+1)$  lgdogf  
A029153 23.4099 [  $x^9+x^5+x^2+x$  ogf\_with\_Euler\_transform ]  
A029153 5.79479 [  $1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^4$  ogf ]  
A029154 17.8446 [  $x^{10}+x^5+x^2+x$  ogf\_with\_Euler\_transform ]  
A029154 4.82943 [  $1/(x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf ]  
A029155 14.8919 [  $x^{11}+x*(x^4+x+1)$  ogf\_with\_Euler\_transform ]  
A029155 4.58566 [  $1/(x^2+1)/(x^4-x^2+1)/(x^2-x+1)^2/(x+1)^3/(x^2+x+1)^3/(x-1)^4$  ogf ]  
A029155 6.68877  $-x*(2+3*x+2*x^2+11*x^4+2*x^6+3*x^7+2*x^8+23*x^{10})/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)$  lgdogf  
A029156 18.2484 [  $x^7+x^6+x^2+x$  ogf\_with\_Euler\_transform ]  
A029156 4.94958 [  $1/(x^2+1)/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^4$  ogf ]  
A029157 14.8245 [  $x^8+x^6+x*(x+1)$  ogf\_with\_Euler\_transform ]  
A029157 5.98190 [  $1/(x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^4$  ogf ]  
A029158 5.88584 [  $1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4$  ogf ]  
A029159 4.55529 [  $1/(x+1)/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf ]  
A029160 4.78634 [  $1/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/$

$(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029161 14.9785 [(1/x^6+1)\*(x^8+x^7) ogf\_with\_Euler\_transform]  
A029161 4.90487 [ 1/(x^2+1)/(x^6+x^3+1)/(x^4+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A029162 15.2228 [x^9+x^7+x\*(x+1) ogf\_with\_Euler\_transform]  
A029162 6.14151 [ 1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+x+1)/  
(x^4+1)/(x+1)^3/(x-1)^4 ogf]  
A029163 14.6260 [x^10+x^7+(x+1)\*x ogf\_with\_Euler\_transform]  
A029163 6.03184 [ 1/(x^2+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x  
+1)/(x^4+1)/(x+1)^2/(x-1)^4 ogf]  
A029164 4.48950 [ 1/(x^2-x+1)/(x^4-x^2+1)/(x^4+1)/(x^2+1)^2/(x^2+x+1)^2/(x+1)^3/  
(x-1)^4 ogf]  
A029165 14.9510 [(1/x^7+1)\*(x^9+x^8) ogf\_with\_Euler\_transform]  
A029165 4.72424 [ 1/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^3+1)/(x^2+x+1)^2/  
(x+1)^2/(x-1)^4 ogf]  
A029166 14.8642 [x^10+x^8+x\*(x+1) ogf\_with\_Euler\_transform]  
A029166 5.91823 [ 1/(x+1)/(x^6+x^3+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x  
+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A029167 11.2543 [x^2+x+(x+1)\*x^8\*(x^2-x+1) ogf\_with\_Euler\_transform]  
A029167 5.94165 [ 1/(x^2+1)/(x^2-x+1)/(x^6+x^3+1)/(x^4-x^2+1)/(x+1)^2/(x^2+x  
+1)^3/(x-1)^4 ogf]  
A029168 14.9242 [(1/x^8+1)\*(x^10+x^9) ogf\_with\_Euler\_transform]  
A029168 4.92308 [ 1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/  
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4 ogf]  
A029169 14.7455 [x^11+x^9+x\*(x+1) ogf\_with\_Euler\_transform]  
A029169 6.02634 [ 1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+1)/(x^4-  
x^2+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^4 ogf]  
A029170 14.4318 [(1/x^9+1)\*(x^11+x^10) ogf\_with\_Euler\_transform]  
A029170 4.86411 [ 1/(x^2+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2-x  
+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029171 17.8705 [x^5+x^4+x^3+x ogf\_with\_Euler\_transform]  
A029171 5.82617 [ 1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^3/  
(x-1)^4 ogf]  
A029172 14.8491 [x\*(x^5+x^3+x^2+1) ogf\_with\_Euler\_transform]  
A029172 6.57986 [ 1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/  
(x-1)^4 ogf]  
A029173 14.8245 [x\*(x^6+x^3+x^2+1) ogf\_with\_Euler\_transform]  
A029173 4.62050 [ 1/(x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^3/(x-1)^4 ogf]  
A029173 5.56178 -  
x\*(19\*x^10+19\*x^9+2+15\*x^4+13\*x^3+8\*x^2+21\*x^7+27\*x^6+13\*x^5+2\*x+21\*x^8)/(x-1)/  
(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4+1) lgdogf  
A029174 18.0298 [x^8+x^4+x^3+x ogf\_with\_Euler\_transform]  
A029174 5.82585 [ 1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x+1)^2/  
(x-1)^4 ogf]  
A029175 18.1074 [x^9+x^4+x^3+x ogf\_with\_Euler\_transform]  
A029175 4.48529 [ 1/(x^2+1)/(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)^2/(x+1)^3/  
(x-1)^4 ogf]  
A029175 6.21158 -x\*(2+8\*x^2+5\*x^3+8\*x^4+5\*x^5+8\*x^6+23\*x^8+21\*x^10)/(x-1)/(x+1)/  
(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) lgdogf  
A029176 17.9197 [x^10+x^4+x^3+x ogf\_with\_Euler\_transform]  
A029176 4.99091 [ 1/(x^2+1)/(x^4+x^3+x^2+x+1)/  
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4 ogf]  
A029177 23.3667 [x^11+x^4+x^3+x ogf\_with\_Euler\_transform]  
A029177 5.93933 [ 1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^2+1)^2/  
(x+1)^3/(x-1)^4 ogf]  
A029178 14.7347 [x\*(x^5+x^4+x^2+1) ogf\_with\_Euler\_transform]  
A029178 5.99921 [ 1/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x  
+1)^3/(x-1)^4 ogf]  
A029179 18.1836 [x^8+x^5+x^3+x ogf\_with\_Euler\_transform]  
A029179 5.36164 -  
x\*(21\*x^12+23\*x^10+21\*x^9+2+14\*x^4+2\*x^3+8\*x^2+23\*x^7+14\*x^6+8\*x^5+8\*x^8)/(x-1)/  
(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^3+1) lgdogf

A029179 6.03184 [  $1/(x^2+1)/(x^2-x+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^4$  ogf ]  
A029180 17.7781 [  $x^{10}+x^5+x^3+x$  ogf\_with\_Euler\_transform ]  
A029180 5.79738 [  $1/(x^2+x+1)/(x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^3/(x-1)^4$  ogf ]  
A029181 15.0416 [  $x*(x^6+x^5+x^2+1)$  ogf\_with\_Euler\_transform ]  
A029181 4.53107 [  $1/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^3/(x-1)^4$  ogf ]  
A029182 6.47939 [  $1/(x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4$  ogf ]  
A029183 4.61424 [  $1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^3/(x-1)^4$  ogf ]  
A029184 5.95743 [  $1/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4$  ogf ]  
A029185 4.48244 [  $1/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^2+1)^2/(x+1)^3/(x-1)^4$  ogf ]  
A029186 13.6199 [  $x^8+x^7+(x^2+1)*x$  ogf\_with\_Euler\_transform ]  
A029186 4.55831 [  $1/(x^2+x+1)/(x^6+x^3+1)/(x^4+1)/(x^2+1)^2/(x+1)^3/(x-1)^4$  ogf ]  
A029187 17.9204 [  $x^{10}+x^7+x^3+x$  ogf\_with\_Euler\_transform ]  
A029187 4.49747 [  $1/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^3/(x-1)^4$  ogf ]  
A029188 13.9817 [  $x^9+x^8+(x^2+1)*x$  ogf\_with\_Euler\_transform ]  
A029188 4.64703 [  $1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^6+x^3+1)/(x+1)^3/(x-1)^4$  ogf ]  
A029189 14.3880 [  $(1/x^7+1)*(x^{10}+x^8)$  ogf\_with\_Euler\_transform ]  
A029189 6.20998 [  $1/(x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x+1)^2/(x-1)^4$  ogf ]  
A029190 4.59103 [  $1/(x^2-x+1)/(x^6+x^3+1)/(x^4-x^2+1)/(x^2+1)^2/(x^2+x+1)^2/(x+1)^3/(x-1)^4$  ogf ]  
A029191 13.3719 [  $x^{10}+x^9+(x^2+1)*x$  ogf\_with\_Euler\_transform ]  
A029191 4.38684 [  $1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^3/(x-1)^4$  ogf ]  
A029192 12.9479 [  $x^{11}+x^{10}+(x^2+1)*x$  ogf\_with\_Euler\_transform ]  
A029192 4.44900 [  $1/(x^2+x+1)/(x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^2+1)^2/(x+1)^3/(x-1)^4$  ogf ]  
A029193 15.1322 [  $x*(x^5+x^4+x^3+1)$  ogf\_with\_Euler\_transform ]  
A029193 5.94570 [  $1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4$  ogf ]  
A029194 14.9510 [  $x*(x^6+x^4+x^3+1)$  ogf\_with\_Euler\_transform ]  
A029194 5.82384 [  $1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^2-x+1)/(x^2+x+1)/(x^4+1)/(x+1)^3/(x-1)^4$  ogf ]  
A029195 18.3692 [  $x^8+x^5+x^4+x$  ogf\_with\_Euler\_transform ]  
A029195 4.83974 [  $1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf ]  
A029196 18.5545 [  $x^9+x^5+x^4+x$  ogf\_with\_Euler\_transform ]  
A029196 4.68865 [  $1/(x^2+x+1)/(x^2-x+1)/(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)^2/(x+1)^3/(x-1)^4$  ogf ]  
A029197 17.8498 [  $x^{10}+x^5+x^4+x$  ogf\_with\_Euler\_transform ]  
A029197 5.92153 [  $1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4$  ogf ]  
A029198 13.4014 [  $x^{11}+x*(x^4+x^3+1)$  ogf\_with\_Euler\_transform ]  
A029198 4.57634 [  $1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x^2-x+1)^2/(x+1)^3/(x-1)^4$  ogf ]  
A029199 15.3472 [  $x*(x^6+x^5+x^3+1)$  ogf\_with\_Euler\_transform ]  
A029199 6.19070 [  $1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^4$  ogf ]  
A029200 8.30459 [  $1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf ]  
A029201 6.50816 [  $1/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf ]  
A029202 5.74976 [  $1/(x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/$

$(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A029203 8.87813 [  $1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A029204 18.1101 [ $x^8+x^7+x^4+x$  ogf\_with\_Euler\_transform]  
A029204 4.45511 [  $1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x^4+1)/(x+1)^2/(x-1)^4$  ogf]  
A029205 18.3323 [ $x^9+x^7+x^4+x$  ogf\_with\_Euler\_transform]  
A029205 5.87048 [  $1/(x^2+1)/(x^4-x^3+x^2-x+1)/(x^4+1)/(x^4+x^3+x^2+x+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A029206 10.8091 [  $(-1/x^{12}+1)/(x-1)*x^{13}/(x^2+x+1)$  ogf\_with\_Euler\_transform]  
A029206 4.91810 [  $1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^4$  ogf]  
A029207 4.69279 [  $1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^4+1)/(x^2+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A029208 18.1101 [ $x^9+x^8+x^4+x$  ogf\_with\_Euler\_transform]  
A029208 4.54542 [  $1/(x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^3+1)/(x^4+x^3+x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029209 6.06672 [  $1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A029210 4.75156 [  $1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^2-x+1)/(x^6+x^3+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029211 17.8118 [ $x^{10}+x^9+x^4+x$  ogf\_with\_Euler\_transform]  
A029211 4.56022 [  $1/(x^4-x^3+x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029212 6.14631 [  $1/(x^2+x+1)/(x^2-x+1)/(x^4-x^3+x^2-x+1)/(x^2+1)/(x^4-x^2+1)/(x^4+x^3+x^2+x+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A029213 4.60547 [  $1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A029214 14.9818 [ $x*(x^6+x^5+x^4+1)$  ogf\_with\_Euler\_transform]  
A029214 6.04329 [  $1/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x+1)^3/(x-1)^4$  ogf]  
A029215 17.9989 [ $x^8+x^6+x^5+x$  ogf\_with\_Euler\_transform]  
A029215 5.96960 [  $1/(x^2-x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029216 18.2932 [ $x^9+x^6+x^5+x$  ogf\_with\_Euler\_transform]  
A029216 4.49982 [  $1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^3/(x-1)^4$  ogf]  
A029217 4.78502 [  $1/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A029218 4.54447 [  $1/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x^2-x+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A029219 18.0701 [ $x^8+x^7+x^5+x$  ogf\_with\_Euler\_transform]  
A029219 5.93971 [  $1/(x^2+1)/(x^2-x+1)/(x^6+x^3+1)/(x^4+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A029220 20.2792 [ $x^{10}+x^7+x^5+x$  ogf\_with\_Euler\_transform]  
A029220 6.55277 [  $1/(x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2-x+1)/(x^2+x+1)/(x^4+1)/(x+1)^3/(x-1)^4$  ogf]  
A029221 18.2522 [ $x^9+x^8+x^5+x$  ogf\_with\_Euler\_transform]  
A029221 4.58039 [  $1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A029222 5.87979 [  $1/(x^2-x+1)/(x^6+x^3+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029223 4.58039 [  $1/(x^2+1)/(x^4-x^2+1)/(x^6+x^3+1)/(x^2-x+1)^2/(x+1)^3/(x^2+x+1)^3/(x-1)^4$  ogf]  
A029224 17.9488 [ $x^{10}+x^9+x^5+x$  ogf\_with\_Euler\_transform]  
A029224 4.47451 [  $1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^3/(x-1)^4$  ogf]  
A029225 4.59463 [  $1/(x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x^2-x+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A029226 18.1817 [ $x^8+x^7+x^6+x$  ogf\_with\_Euler\_transform]

A029226 5.97637 [  $1/(x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^4$  ogf]  
A029227 18.4761 [  $x^9+x^7+x^6+x$  ogf\_with\_Euler\_transform]  
A029227 6.12692 [  $1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x+1)^3/(x-1)^4$  ogf]  
A029228 17.8809 [  $x^{10}+x^7+x^6+x$  ogf\_with\_Euler\_transform]  
A029228 4.48721 [  $1/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^4$  ogf]  
A029229 4.58039 [  $1/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^4+1)/(x^2+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A029230 18.3641 [  $x^9+x^8+x^6+x$  ogf\_with\_Euler\_transform]  
A029230 5.98295 [  $1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A029231 17.6628 [  $x^{10}+x^8+x^6+x$  ogf\_with\_Euler\_transform]  
A029231 8.21633 [  $1/(x+1)/(x^2+x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A029232 5.80169 [  $1/(x^2+1)/(x^2-x+1)/(x^6+x^3+1)/(x^4-x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029233 17.6628 [  $x^{10}+x^9+x^6+x$  ogf\_with\_Euler\_transform]  
A029233 4.40352 [  $1/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A029234 6.05841 [  $1/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^4-x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^3/(x-1)^4$  ogf]  
A029235 4.44723 [  $1/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A029236 18.4339 [  $x^9+x^8+x^7+x$  ogf\_with\_Euler\_transform]  
A029236 6.05841 [  $1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^6+x^3+1)/(x^4+1)/(x+1)^3/(x-1)^4$  ogf]  
A029237 17.8394 [  $x^{10}+x^8+x^7+x$  ogf\_with\_Euler\_transform]  
A029237 6.02147 [  $1/(x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x^4+1)/(x+1)^2/(x-1)^4$  ogf]  
A029238 16.4327 [  $x+x^7*(x^4+x+1)$  ogf\_with\_Euler\_transform]  
A029238 4.41994 [  $1/(x^2-x+1)/(x^6+x^3+1)/(x^4-x^2+1)/(x^4+1)/(x^2+1)^2/(x^2+x+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A029239 17.5111 [  $x^{10}+x^9+x^7+x$  ogf\_with\_Euler\_transform]  
A029239 5.85879 [  $1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x+1)^3/(x-1)^4$  ogf]  
A029240 14.9350 [  $x+x^7*(x^4+x^3+1)$  ogf\_with\_Euler\_transform]  
A029241 17.7300 [  $x^{10}+x^9+x^8+x$  ogf\_with\_Euler\_transform]  
A029241 5.73094 [  $1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x+1)^2/(x-1)^4$  ogf]  
A029242 17.9059 [  $x^{11}+x^9+x^8+x$  ogf\_with\_Euler\_transform]  
A029243 17.3398 [  $x^{11}+x^{10}+x^8+x$  ogf\_with\_Euler\_transform]  
A029244 17.4032 [  $x^{11}+x^{10}+x^9+x$  ogf\_with\_Euler\_transform]  
A029245 16.6085 [  $x^6+x^4+x^3+x^2$  ogf\_with\_Euler\_transform]  
A029245 6.15995 [  $1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x-1)^4$  ogf]  
A029246 16.4096 [  $x^7+x^4+x^3+x^2$  ogf\_with\_Euler\_transform]  
A029246 5.87449 [  $1/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029247 16.4772 [  $x^8+x^4+x^3+x^2$  ogf\_with\_Euler\_transform]  
A029247 5.89821 [  $1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A029248 15.1645 [  $(1/x^5+1/x^7+1/x^6+1)*x^9$  ogf\_with\_Euler\_transform]  
A029248 4.56736 [  $1/(x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029249 14.6562 [  $(1/x^7+1/x^6+1/x^8+1)*x^{10}$  ogf\_with\_Euler\_transform]  
A029249 4.51233 [  $1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x-1)^4$  ogf]  
A029250 14.5668 [  $(1/x^9+1/x^7+1/x^8+1)*x^{11}$  ogf\_with\_Euler\_transform]

A029250 4.91038 [  $1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x^2+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029251 16.4772 [  $x^6+x^5+x^3+x^2$  ogf\_with\_Euler\_transform]  
A029251 6.58538 [  $1/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029252 16.4435 [  $x^7+x^5+x^3+x^2$  ogf\_with\_Euler\_transform]  
A029252 4.63595 [  $1/(x^2-x+1)/(x^4+1)/(x^2+1)^2/(x^2+x+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A029252 6.34644  $-x^2*(21*x^9+13*x^3+3*x^2+4*x+3*x^6+25*x^5+3*x^4+3+21*x^7)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A029253 16.7099 [  $x^8+x^5+x^3+x^2$  ogf\_with\_Euler\_transform]  
A029253 5.46893  $-x^2*(22*x^{11}+22*x^9+25*x^8+16*x^3+3*x^2+4*x+25*x^6+16*x^5+4*x^4+3+4*x^7)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^3+1)$  lgdogf  
A029253 5.92897 [  $1/(x^2+1)/(x^2-x+1)/(x^6+x^3+1)/(x+1)^2/(x^2+x+1)^3/(x-1)^4$  ogf]  
A029254 14.8905 [( $1/x^6+1/x^4+1/x^7+1$ )\* $x^9$  ogf\_with\_Euler\_transform]  
A029254 6.06056 [  $1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A029255 14.7141 [( $1/x^5+1/x^8+1/x^7+1$ )\* $x^{10}$  ogf\_with\_Euler\_transform]  
A029255 4.49982 [  $1/(x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029256 14.8612 [  $x^{11}+x^2*(x^3+x+1)$  ogf\_with\_Euler\_transform]  
A029256 4.66813 [  $1/(x^4-x^2+1)/(x^2+1)^2/(x^2-x+1)^2/(x+1)^3/(x^2+x+1)^3/(x-1)^4$  ogf]  
A029256 7.66355  $-x^2*(3+4*x+9*x^3+4*x^5+3*x^6+25*x^9)/(x^2-x+1)/(x^2+x+1)/(x^2+1)/(x-1)/(x+1)/(x^4-x^2+1)$  lgdogf  
A029257 16.3432 [  $x^7+x^6+x^3+x^2$  ogf\_with\_Euler\_transform]  
A029257 6.46848 [  $1/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029258 16.2430 [  $x^8+x^6+x^3+x^2$  ogf\_with\_Euler\_transform]  
A029258 5.71449 [  $1/(x+1)/(x^2+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A029259 8.28626 [  $1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A029260 8.28626 [  $1/(x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A029261 14.5347 [  $x^{11}+x^2*(x^4+x+1)$  ogf\_with\_Euler\_transform]  
A029261 5.68803 [  $1/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x^2+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029262 16.4079 [  $x^8+x^7+x^3+x^2$  ogf\_with\_Euler\_transform]  
A029262 4.89370 [  $1/(x^6+x^3+1)/(x^4+1)/(x^2+x+1)^2/(x^2+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029263 16.5085 [  $x^9+x^7+x^3+x^2$  ogf\_with\_Euler\_transform]  
A029263 4.59103 [  $1/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A029264 16.1779 [  $x^{10}+x^7+x^3+x^2$  ogf\_with\_Euler\_transform]  
A029264 6.08979 [  $1/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029265 5.45645  $-x^2*(27*x^{13}+3*x^{10}+31*x^9+3*x^3+4*x+3*x^6+16*x^5+3*x^4+3+3*x^7)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)$  lgdogf  
A029265 5.91565 [  $1/(x^2-x+1)/(x^4-x^2+1)/(x^4+1)/(x^2+x+1)^2/(x^2+1)^3/(x+1)^3/(x-1)^4$  ogf]  
A029266 14.8577 [( $1/x^6+1$ )\*( $x^9+x^8$ ) ogf\_with\_Euler\_transform]  
A029266 4.82868 [  $1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029267 14.7712 [  $x^{10}+x^8+x^2*(x+1)$  ogf\_with\_Euler\_transform]  
A029267 4.60849 [  $1/(x+1)/(x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A029268 5.91565 [  $1/(x^2-x+1)/(x^6+x^3+1)/(x^4-x^2+1)/(x^2+1)^2/(x+1)^2/(x^2+x+1)^3/(x-1)^4$  ogf]

A029268 9.90748 [(x+1)\*x^2+(x+1)\*x^8\*(x^2-x+1) ogf\_with\_Euler\_transform]  
A029269 14.5910 [(1/x^7+1)\*(x^10+x^9) ogf\_with\_Euler\_transform]  
A029269 4.81242 [ 1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/  
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^4 ogf]  
A029270 12.7421 [x^2\*(x+1)+x^9\*(x^2+1) ogf\_with\_Euler\_transform]  
A029270 4.43070 [ 1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^4-x^2+1)/  
(x^2+1)^2/(x^2+x+1)^2/(x+1)^3/(x-1)^4 ogf]  
A029271 14.2806 [(1/x^8+1)\*(x^11+x^10) ogf\_with\_Euler\_transform]  
A029271 4.67874 [ 1/(x^2-x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-  
x^2+1)/(x^2+x+1)^2/(x^2+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029272 16.2430 [x^6+x^5+x^4+x^2 ogf\_with\_Euler\_transform]  
A029272 4.45730 [ 1/(x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/  
(x^2+x+1)^2/(x-1)^4 ogf]  
A029273 16.4079 [x^7+x^5+x^4+x^2 ogf\_with\_Euler\_transform]  
A029273 6.55660 [ 1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^2-x+1)/(x^4+1)/(x^2+x+1)^2/(x  
+1)^2/(x-1)^4 ogf]  
A029274 16.4079 [x^8+x^5+x^4+x^2 ogf\_with\_Euler\_transform]  
A029274 6.02973 [ 1/(x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^2+x+1)^3/  
(x-1)^4 ogf]  
A029275 16.3072 [x^9+x^5+x^4+x^2 ogf\_with\_Euler\_transform]  
A029275 4.44495 [ 1/(x^2-x+1)/(x^4-x^3+x^2-x+1)/(x+1)^2/(x^2+x+1)^2/  
(x^4+x^3+x^2+x+1)^2/(x-1)^4 ogf]  
A029275 5.00886 -  
x^2\*(24\*x^11+24\*x^9+3\*x^8+9\*x^3+8\*x^2+8\*x^6+9\*x^5+8\*x^4+3+24\*x^7)/(x-1)/(x+1)/  
(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) lgdogf  
A029276 13.3719 [x^10+x^2\*(x^3+x^2+1) ogf\_with\_Euler\_transform]  
A029276 6.04673 [ 1/(x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/  
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A029277 13.5066 [x^11+x^2\*(x^3+x^2+1) ogf\_with\_Euler\_transform]  
A029277 4.48938 [ 1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x+1)^2/(x^2-x+1)^2/  
(x^2+x+1)^3/(x-1)^4 ogf]  
A029278 19.5845 [x^7+x^6+x^4+x^2 ogf\_with\_Euler\_transform]  
A029278 7.12962 [ 1/(x+1)/(x^2+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/  
(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x-1)^4 ogf]  
A029279 5.99274 [ 1/(x+1)/(x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/  
(x^4+x^3+x^2+x+1)^2/(x-1)^4 ogf]  
A029280 4.60849 [ 1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/  
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4 ogf]  
A029281 16.1779 [x^11+x^6+x^4+x^2 ogf\_with\_Euler\_transform]  
A029281 5.87979 [ 1/(x+1)/(x^2+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^2+1)/  
(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A029282 16.4715 [x^8+x^7+x^4+x^2 ogf\_with\_Euler\_transform]  
A029282 5.79399 [ 1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^4+1)/(x^2+x  
+1)^2/(x-1)^4 ogf]  
A029283 16.4715 [x^9+x^7+x^4+x^2 ogf\_with\_Euler\_transform]  
A029283 6.21924 [ 1/(x^2+1)/(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^4+1)/(x^4+x^3+x^2+x  
+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029284 8.16561 [ 1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/  
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^4+1)/(x-1)^4 ogf]  
A029285 5.96865 [ 1/(x^4+x^3+x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x^4+1)/(x^2+x+1)^2/  
(x^2+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029286 16.5341 [x^9+x^8+x^4+x^2 ogf\_with\_Euler\_transform]  
A029286 4.59747 [ 1/(x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^3+1)/(x^2+x+1)^2/  
(x^4+x^3+x^2+x+1)^2/(x-1)^4 ogf]  
A029287 16.1404 [x^10+x^8+x^4+x^2 ogf\_with\_Euler\_transform]  
A029287 4.75822 [ 1/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/  
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A029288 5.86574 [ 1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^2-x+1)/(x^6+x^3+1)/(x^4-  
x^2+1)/(x^2+x+1)^3/(x-1)^4 ogf]  
A029289 13.5579 [x^10+x^9+(x^2+1)\*x^2 ogf\_with\_Euler\_transform]  
A029289 4.56662 [ 1/(x+1)/(x^2+x+1)/(x^4-x^3+x^2-x+1)/

$(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)^2/(x-1)^4$  ogf]  
A029290 13.6649 [x^4+x^2+x^9\*(x^2+1) ogf\_with\_Euler\_transform]  
A029290 4.80055 [ 1/(x^2-x+1)/(x^4-x^3+x^2-x+1)/(x^2+1)/(x^4-x^2+1)/(x+1)^2/(x^2+x+1)^2/(x^4+x^3+x^2+x+1)^2/(x-1)^4 ogf]  
A029291 12.6005 [x^{10}\*(x+1)+x^2\*(x^2+1) ogf\_with\_Euler\_transform]  
A029291 4.58331 [ 1/(x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A029292 16.2065 [x^7+x^6+x^5+x^2 ogf\_with\_Euler\_transform]  
A029292 4.53771 [ 1/(x^2+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029293 16.4327 [x^8+x^6+x^5+x^2 ogf\_with\_Euler\_transform]  
A029293 5.98452 [ 1/(x+1)/(x^2-x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^3/(x-1)^4 ogf]  
A029294 16.0673 [x^9+x^6+x^5+x^2 ogf\_with\_Euler\_transform]  
A029294 6.18002 [ 1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029295 4.37777 [ 1/(x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A029296 13.4748 [x^{11}+x^2\*(x^4+x^3+1) ogf\_with\_Euler\_transform]  
A029296 4.56926 [ 1/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^2+1)/(x+1)^2/(x^2-x+1)^2/(x^2+x+1)^3/(x-1)^4 ogf]  
A029297 16.2298 [x^8+x^7+x^5+x^2 ogf\_with\_Euler\_transform]  
A029297 5.91064 [ 1/(x^2+1)/(x^2-x+1)/(x^6+x^3+1)/(x^4+1)/(x+1)^2/(x^2+x+1)^3/(x-1)^4 ogf]  
A029298 4.44902 [ 1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2-x+1)/(x^4+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^4 ogf]  
A029298 9.62484 [(-1/x^9+1/x^7-1/x^6+1)/(x-1)\*x^{11}/(x+1) ogf\_with\_Euler\_transform]  
A029299 6.24207 [ 1/(x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2-x+1)/(x^4+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029300 4.51285 [ 1/(x^4-x^2+1)/(x^4+1)/(x^2+1)^2/(x^2-x+1)^2/(x+1)^3/(x^2+x+1)^3/(x-1)^4 ogf]  
A029300 5.67021 -x^2\*(29\*x^{13}+3\*x^{10}+29\*x^9+9\*x^3+3\*x^6+8\*x^5+3\*x^4+3+9\*x^7)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1) lgdogf  
A029301 16.1885 [x^9+x^8+x^5+x^2 ogf\_with\_Euler\_transform]  
A029301 5.84346 [ 1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^3+1)/(x+1)^2/(x^2+x+1)^3/(x-1)^4 ogf]  
A029302 5.76996 [ 1/(x+1)/(x^2-x+1)/(x^6+x^3+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^3/(x-1)^4 ogf]  
A029303 15.9024 [x^{10}+x^9+x^5+x^2 ogf\_with\_Euler\_transform]  
A029303 4.49895 [ 1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029304 4.28714 [ 1/(x^2+1)/(x^4-x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2-x+1)^2/(x+1)^3/(x^2+x+1)^3/(x-1)^4 ogf]  
A029305 4.32982 [ 1/(x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x+1)^2/(x^2-x+1)^2/(x^2+x+1)^3/(x-1)^4 ogf]  
A029305 9.43051 [(x+1)\*x^{10}+(x+1)\*x^2\*(x^2-x+1) ogf\_with\_Euler\_transform]  
A029306 16.5341 [x^8+x^7+x^6+x^2 ogf\_with\_Euler\_transform]  
A029306 4.47649 [ 1/(x+1)/(x^2+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A029307 16.3312 [x^9+x^7+x^6+x^2 ogf\_with\_Euler\_transform]  
A029307 5.94758 [ 1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^4 ogf]  
A029308 5.83686 [ 1/(x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^4+1)/(x-1)^4 ogf]  
A029309 4.84802 [ 1/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^4+1)/(x^2+x+1)^2/(x^2+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029310 16.3921 [x^9+x^8+x^6+x^2 ogf\_with\_Euler\_transform]  
A029310 5.96933 [ 1/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^4 ogf]



A029311 15.9024 [x<sup>10</sup>+x<sup>8</sup>+x<sup>6</sup>+x<sup>2</sup> ogf\_with\_Euler\_transform]  
A029311 4.38133 [ 1/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/  
(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029312 5.89517 [ 1/(x+1)/(x<sup>2</sup>+1)/(x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/  
(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+x+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029313 16.1601 [x<sup>10</sup>+x<sup>9</sup>+x<sup>6</sup>+x<sup>2</sup> ogf\_with\_Euler\_transform]  
A029313 5.77254 [ 1/(x+1)/(x<sup>2</sup>+x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/  
(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x-1)<sup>4</sup>  
ogf]  
A029314 5.73691 [ 1/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>2</sup>+1)/(x<sup>4</sup>-  
x<sup>2</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029315 4.51303 [ 1/(x+1)/(x<sup>2</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/  
(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/  
(x-1)<sup>4</sup> ogf]  
A029316 16.2903 [x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>2</sup> ogf\_with\_Euler\_transform]  
A029316 4.49895 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/  
(x<sup>4</sup>+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029317 14.8965 [x<sup>2</sup>+x<sup>7</sup>\*(x<sup>3</sup>+x+1) ogf\_with\_Euler\_transform]  
A029317 5.75000 [ 1/(x+1)/(x<sup>2</sup>+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/  
(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029318 17.3119 [x<sup>2</sup>+x<sup>7</sup>\*(x<sup>4</sup>+x+1) ogf\_with\_Euler\_transform]  
A029318 6.91563 [ 1/(x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>4</sup>+1)/(x<sup>2</sup>+1)<sup>2</sup>/(x+1)<sup>2</sup>/  
(x<sup>2</sup>+x+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029319 16.0603 [x<sup>10</sup>+x<sup>9</sup>+x<sup>7</sup>+x<sup>2</sup> ogf\_with\_Euler\_transform]  
A029319 5.93820 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/  
(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+x+1)/(x<sup>4</sup>+1)/(x+1)<sup>2</sup>/(x-1)<sup>4</sup>  
ogf]  
A029320 15.9606 [x<sup>11</sup>+x<sup>9</sup>+x<sup>7</sup>+x<sup>2</sup> ogf\_with\_Euler\_transform]  
A029320 4.36851 [ 1/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/  
(x<sup>4</sup>+1)/(x<sup>2</sup>+1)<sup>2</sup>/(x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029321 13.7296 [x<sup>2</sup>+x<sup>7</sup>\*(x<sup>4</sup>+x<sup>3</sup>+1) ogf\_with\_Euler\_transform]  
A029322 15.8608 [x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>2</sup> ogf\_with\_Euler\_transform]  
A029322 4.45697 [ 1/(x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/  
(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029323 14.9089 [x<sup>2</sup>+x<sup>8</sup>\*(x<sup>3</sup>+x+1) ogf\_with\_Euler\_transform]  
A029323 5.90546 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>2</sup>-x+1)/  
(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x+1)<sup>2</sup>/(x<sup>2</sup>+x+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029324 13.5197 [x<sup>2</sup>+x<sup>8</sup>\*(x<sup>3</sup>+x<sup>2</sup>+1) ogf\_with\_Euler\_transform]  
A029325 15.7986 [x<sup>11</sup>+x<sup>10</sup>+x<sup>9</sup>+x<sup>2</sup> ogf\_with\_Euler\_transform]  
A029326 14.8697 [1/720\*x<sup>3</sup>\*(x<sup>3</sup>+6\*x<sup>2</sup>+30\*x+120) egf\_with\_Euler\_transform]  
A029326 5.67357 [ 1/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+1)/  
(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029327 16.6736 [x<sup>7</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup> ogf\_with\_Euler\_transform]  
A029327 4.54447 [ 1/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>+1)/(x<sup>2</sup>+1)<sup>2</sup>/(x  
+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029328 16.4715 [x<sup>8</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup> ogf\_with\_Euler\_transform]  
A029328 5.99909 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/  
(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029329 16.2694 [x<sup>9</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup> ogf\_with\_Euler\_transform]  
A029329 5.97839 [ 1/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x  
+1)<sup>2</sup>/(x+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029330 14.5010 [(1/x<sup>7</sup>+1/x<sup>6</sup>+1/x<sup>5</sup>+1)\*x<sup>10</sup> ogf\_with\_Euler\_transform]  
A029330 5.97839 [ 1/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/  
(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+1)/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029331 14.5010 [x<sup>11</sup>+x<sup>3</sup>\*(x<sup>2</sup>+x+1) ogf\_with\_Euler\_transform]  
A029331 4.52419 [ 1/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>2</sup>+1)<sup>2</sup>/(x<sup>2</sup>+x+1)<sup>2</sup>/(x<sup>2</sup>-x  
+1)<sup>2</sup>/(x+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029332 16.4715 [x<sup>7</sup>+x<sup>6</sup>+x<sup>4</sup>+x<sup>3</sup> ogf\_with\_Euler\_transform]  
A029332 4.77392 [ 1/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>+1)/  
(x<sup>2</sup>+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029333 16.2694 [x<sup>8</sup>+x<sup>6</sup>+x<sup>4</sup>+x<sup>3</sup> ogf\_with\_Euler\_transform]

A029333 5.92549 [  $1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A029334 4.47649 [  $1/(x^2+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029335 14.6465 [  $x^{10}+x^3*(x^3+x+1)$  ogf\_with\_Euler\_transform]  
A029335 5.82975 [  $1/(x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A029336 14.6465 [  $x^{11}+x^3*(x^3+x+1)$  ogf\_with\_Euler\_transform]  
A029336 6.03796 [  $1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^2+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029337 16.2298 [  $x^8+x^7+x^4+x^3$  ogf\_with\_Euler\_transform]  
A029337 6.42213 [  $1/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029338 16.0673 [  $x^9+x^7+x^4+x^3$  ogf\_with\_Euler\_transform]  
A029338 4.35041 [  $1/(x^4-x^3+x^2-x+1)/(x^4+1)/(x^2+1)^2/(x^4+x^3+x^2+x+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A029339 4.58597 [  $1/(x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029340 5.81495 [  $1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^4+1)/(x^2+1)^3/(x+1)^3/(x-1)^4$  ogf]  
A029341 21.7407 [  $x^9+x^8+x^4+x^3$  ogf\_with\_Euler\_transform]  
A029341 8.51366 [  $1/(x^2+1)/(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^6+x^3+1)/(x^4+x^3+x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029342 5.91696 [  $1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^4$  ogf]  
A029343 5.84346 [  $1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x^2+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029344 14.5196 [  $(1/x^6+1)*(x^{10}+x^9)$  ogf\_with\_Euler\_transform]  
A029344 4.65517 [  $1/(x^2+1)/(x^4-x^3+x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029345 12.5232 [  $x^3*(x+1)+x^9*(x^2+1)$  ogf\_with\_Euler\_transform]  
A029345 4.47083 [  $1/(x^2+x+1)/(x^2-x+1)/(x^4-x^3+x^2-x+1)/(x^4-x^2+1)/(x^2+1)^2/(x^4+x^3+x^2+x+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A029346 13.4907 [  $(x+1)*x^3+(x+1)*x^{10}$  ogf\_with\_Euler\_transform]  
A029346 4.83539 [  $1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^2+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029347 16.4327 [  $x^7+x^6+x^5+x^3$  ogf\_with\_Euler\_transform]  
A029347 4.44902 [  $1/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A029348 16.4327 [  $x^8+x^6+x^5+x^3$  ogf\_with\_Euler\_transform]  
A029348 4.86512 [  $1/(x^2+1)/(x^2-x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A029349 16.2298 [  $x^9+x^6+x^5+x^3$  ogf\_with\_Euler\_transform]  
A029349 5.70856 [  $1/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^3/(x-1)^4$  ogf]  
A029350 13.5250 [  $x^{10}+x^3*(x^3+x^2+1)$  ogf\_with\_Euler\_transform]  
A029350 6.00640 [  $1/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A029351 13.4415 [  $x^{11}+x^3*(x^3+x^2+1)$  ogf\_with\_Euler\_transform]  
A029351 4.40872 [  $1/(x^4-x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)^2/(x^2+x+1)^2/(x^2-x+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A029352 16.3921 [  $x^8+x^7+x^5+x^3$  ogf\_with\_Euler\_transform]  
A029352 4.55766 [  $1/(x^2-x+1)/(x^6+x^3+1)/(x^4+1)/(x^2+1)^2/(x^2+x+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A029353 15.9606 [  $x^{10}+x^7+x^5+x^3$  ogf\_with\_Euler\_transform]  
A029353 4.39706 [  $1/(x^2+x+1)/(x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A029354 5.95354 [  $1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2-x+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^4$  ogf]

A029355 4.86543 [ 1/(x^2+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2-x+1)/(x^6+x^3+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029356 4.38498 [ 1/(x^4-x^2+1)/(x^6+x^3+1)/(x^2+1)^2/(x^2-x+1)^2/(x+1)^3/(x^2+x+1)^3/(x-1)^4 ogf]  
A029357 15.7611 [x^10+x^9+x^5+x^3 ogf\_with\_Euler\_transform]  
A029357 5.63001 [ 1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^3/(x-1)^4 ogf]  
A029358 12.5023 [x^10\*(x+1)+x^3\*(x^2+1) ogf\_with\_Euler\_transform]  
A029358 4.51639 [ 1/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^2+1)^2/(x^2+x+1)^2/(x^2-x+1)^2/(x+1)^3/(x-1)^4 ogf]  
A029359 16.2903 [x^8+x^7+x^6+x^3 ogf\_with\_Euler\_transform]  
A029359 4.52935 [ 1/(x^2+x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029360 16.3499 [x^9+x^7+x^6+x^3 ogf\_with\_Euler\_transform]  
A029360 4.39706 [ 1/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^3/(x-1)^4 ogf]  
A029361 10.7832 [x^3\*(x+1)\*(x^2-x+1)\*(x^4+1) ogf\_with\_Euler\_transform]  
A029361 6.34746 [ 1/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029362 5.86250 [ 1/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^4+1)/(x^2+1)^3/(x+1)^3/(x-1)^4 ogf]  
A029363 16.4520 [x^9+x^8+x^6+x^3 ogf\_with\_Euler\_transform]  
A029363 4.42454 [ 1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4 ogf]  
A029364 5.80633 [ 1/(x+1)/(x^2+x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4 ogf]  
A029365 4.82230 [ 1/(x^2-x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x^2+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029366 5.68561 [ 1/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^4 ogf]  
A029367 4.51639 [ 1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^2+1)^2/(x+1)^3/(x-1)^4 ogf]  
A029368 5.63352 [ 1/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)/(x^2+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029369 16.3060 [x^9+x^8+x^7+x^3 ogf\_with\_Euler\_transform]  
A029369 4.50270 [ 1/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^6+x^3+1)/(x^4+1)/(x^2+1)^2/(x+1)^3/(x-1)^4 ogf]  
A029370 14.6697 [x^3+x^7\*(x^3+x+1) ogf\_with\_Euler\_transform]  
A029370 4.32982 [ 1/(x^2+x+1)/(x^6+x^3+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^4 ogf]  
A029371 5.77038 [ 1/(x^2-x+1)/(x^6+x^3+1)/(x^4-x^2+1)/(x^4+1)/(x^2+x+1)^2/(x^2+1)^3/(x+1)^3/(x-1)^4 ogf]  
A029372 15.6725 [x^10+x^9+x^7+x^3 ogf\_with\_Euler\_transform]  
A029372 4.40347 [ 1/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^3/(x-1)^4 ogf]  
A029374 15.9739 [x^10+x^9+x^8+x^3 ogf\_with\_Euler\_transform]  
A029374 4.48815 [ 1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x+1)^2/(x-1)^4 ogf]  
A029375 14.9605 [x^3+x^8\*(x^3+x+1) ogf\_with\_Euler\_transform]  
A029376 13.5664 [x^3+x^8\*(x^3+x^2+1) ogf\_with\_Euler\_transform]  
A029377 14.9170 [x^3+x^9\*(x^2+x+1) ogf\_with\_Euler\_transform]  
A029378 14.5096 [1/5040\*x^4\*(x^3+7\*x^2+42\*x+210) egf\_with\_Euler\_transform]  
A029378 5.59830 [ 1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^4 ogf]  
A029379 16.3921 [x^8+x^6+x^5+x^4 ogf\_with\_Euler\_transform]  
A029379 4.55766 [ 1/(x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/

$(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A029380 16.2903 [x<sup>9</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup> ogf\_with\_Euler\_transform]  
A029380 4.49895 [ 1/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029381 5.75000 [ 1/(x+1)/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x-1)<sup>4</sup> ogf]  
A029382 14.4816 [x<sup>11</sup>+x<sup>4</sup>\*(x<sup>2</sup>+x+1) ogf\_with\_Euler\_transform]  
A029382 5.71407 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x+1)<sup>2</sup>/(x<sup>2</sup>-x+1)<sup>2</sup>/(x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029383 16.5542 [x<sup>8</sup>+x<sup>7</sup>+x<sup>5</sup>+x<sup>4</sup> ogf\_with\_Euler\_transform]  
A029383 4.76336 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029384 16.3499 [x<sup>9</sup>+x<sup>7</sup>+x<sup>5</sup>+x<sup>4</sup> ogf\_with\_Euler\_transform]  
A029384 4.39706 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029385 5.91634 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+1)/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029386 14.7164 [x<sup>11</sup>+x<sup>4</sup>\*(x<sup>3</sup>+x+1) ogf\_with\_Euler\_transform]  
A029386 4.55934 [ 1/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>4</sup>+1)/(x<sup>2</sup>+1)<sup>2</sup>/(x<sup>2</sup>+x+1)<sup>2</sup>/(x<sup>2</sup>-x+1)<sup>2</sup>/(x+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029387 16.1455 [x<sup>9</sup>+x<sup>8</sup>+x<sup>5</sup>+x<sup>4</sup> ogf\_with\_Euler\_transform]  
A029387 4.74529 [ 1/(x<sup>2</sup>-x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x+1)<sup>2</sup>/(x<sup>2</sup>+x+1)<sup>2</sup>/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029388 7.70464 [ 1/(x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029389 4.53102 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x+1)<sup>2</sup>/(x<sup>2</sup>-x+1)<sup>2</sup>/(x<sup>2</sup>+x+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029390 15.5173 [x<sup>10</sup>+x<sup>9</sup>+x<sup>5</sup>+x<sup>4</sup> ogf\_with\_Euler\_transform]  
A029390 6.00022 [ 1/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029391 12.4197 [x<sup>4</sup>\*(x+1)+x<sup>9</sup>\*(x<sup>2</sup>+1) ogf\_with\_Euler\_transform]  
A029391 4.28910 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x<sup>2</sup>-x+1)<sup>2</sup>/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029392 13.2951 [(x+1)\*x<sup>4</sup>+(x+1)\*x<sup>10</sup> ogf\_with\_Euler\_transform]  
A029392 6.11939 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x+1)<sup>2</sup>/(x<sup>2</sup>-x+1)<sup>2</sup>/(x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029393 16.2477 [x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>4</sup> ogf\_with\_Euler\_transform]  
A029393 4.39833 [ 1/(x+1)/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>+1)/(x-1)<sup>4</sup> ogf]  
A029394 16.3060 [x<sup>9</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>4</sup> ogf\_with\_Euler\_transform]  
A029394 4.79216 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029395 4.41256 [ 1/(x+1)/(x<sup>2</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>+1)/(x-1)<sup>4</sup> ogf]  
A029396 13.5024 [x<sup>11</sup>+x<sup>4</sup>\*(x<sup>3</sup>+x<sup>2</sup>+1) ogf\_with\_Euler\_transform]  
A029396 5.99520 [ 1/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>4</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029397 16.1009 [x<sup>9</sup>+x<sup>8</sup>+x<sup>6</sup>+x<sup>4</sup> ogf\_with\_Euler\_transform]  
A029397 4.32982 [ 1/(x+1)/(x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029398 12.5023 [(-1/x<sup>8</sup>+1)\*x<sup>12</sup>/(x+1)/(x-1) ogf\_with\_Euler\_transform]  
A029398 4.83899 [ 1/(x<sup>2</sup>+x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x-1)<sup>4</sup> ogf]  
A029399 5.88279 [ 1/(x+1)/(x<sup>2</sup>+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]

A029400 15.8734 [x<sup>10</sup>+x<sup>9</sup>+x<sup>6</sup>+x<sup>4</sup> ogf\_with\_Euler\_transform]  
A029400 4.45993 [ 1/(x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/  
(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029401 6.27160 [ 1/(x<sup>2</sup>+1)/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/  
(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029402 12.3887 [x<sup>10</sup>\*(x+1)+x<sup>4</sup>\*(x<sup>2</sup>+1) ogf\_with\_Euler\_transform]  
A029403 16.3635 [x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>4</sup> ogf\_with\_Euler\_transform]  
A029403 4.51828 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>2</sup>+x+1)/(x<sup>4</sup>+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/  
(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029404 4.48986 [ 1/(x+1)/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/  
(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+x+1)/(x<sup>4</sup>+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x-1)<sup>4</sup>  
ogf]  
A029405 11.0364 [x<sup>4</sup>\*(x+1)\*(x<sup>2</sup>-x+1)\*(x<sup>4</sup>+1) ogf\_with\_Euler\_transform]  
A029405 4.69106 [ 1/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>4</sup>+1)/  
(x<sup>2</sup>+x+1)<sup>2</sup>/(x<sup>2</sup>+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029406 15.7267 [x<sup>10</sup>+x<sup>9</sup>+x<sup>7</sup>+x<sup>4</sup> ogf\_with\_Euler\_transform]  
A029406 4.30368 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/  
(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>2</sup>/  
(x-1)<sup>4</sup> ogf]  
A029409 14.5842 [x<sup>4</sup>+x<sup>8</sup>\*(x<sup>2</sup>+x+1) ogf\_with\_Euler\_transform]  
A029410 14.9667 [x<sup>4</sup>+x<sup>8</sup>\*(x<sup>3</sup>+x+1) ogf\_with\_Euler\_transform]  
A029411 13.7450 [x<sup>4</sup>+x<sup>8</sup>\*(x<sup>3</sup>+x<sup>2</sup>+1) ogf\_with\_Euler\_transform]  
A029412 14.8258 [x<sup>4</sup>+x<sup>9</sup>\*(x<sup>2</sup>+x+1) ogf\_with\_Euler\_transform]  
A029413 14.0318 [1/40320\*x<sup>5</sup>\*(x<sup>3</sup>+8\*x<sup>2</sup>+56\*x+336) egf\_with\_Euler\_transform]  
A029413 5.51184 [ 1/(x<sup>2</sup>+1)/(x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x  
+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029414 16.4664 [x<sup>9</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup> ogf\_with\_Euler\_transform]  
A029414 4.54670 [ 1/(x<sup>2</sup>+1)/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x  
+1)/(x<sup>4</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029415 15.8734 [x<sup>10</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup> ogf\_with\_Euler\_transform]  
A029415 4.48986 [ 1/(x<sup>2</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/  
(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+1)/(x+1)<sup>2</sup>/  
(x-1)<sup>4</sup> ogf]  
A029416 14.3097 [x<sup>11</sup>+x<sup>5</sup>\*(x<sup>2</sup>+x+1) ogf\_with\_Euler\_transform]  
A029416 4.31713 [ 1/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>2</sup>+1)<sup>2</sup>/  
(x<sup>2</sup>+x+1)<sup>2</sup>/(x<sup>2</sup>-x+1)<sup>2</sup>/(x+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029417 16.2606 [x<sup>9</sup>+x<sup>8</sup>+x<sup>6</sup>+x<sup>5</sup> ogf\_with\_Euler\_transform]  
A029417 4.77849 [ 1/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/  
(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029418 4.44288 [ 1/(x+1)/(x<sup>2</sup>-x+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/  
(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029419 4.54877 [ 1/(x<sup>2</sup>+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x  
+1)<sup>2</sup>/(x<sup>2</sup>-x+1)<sup>2</sup>/(x<sup>2</sup>+x+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029420 11.4613 [(-1/x<sup>8</sup>+1)/(x<sup>2</sup>+1)\*x<sup>13</sup>/(x-1) ogf\_with\_Euler\_transform]  
A029421 4.53327 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/  
(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x<sup>2</sup>-x+1)<sup>2</sup>/(x+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029422 13.3848 [(x+1)\*x<sup>5</sup>+(x+1)\*x<sup>10</sup> ogf\_with\_Euler\_transform]  
A029422 4.76196 [ 1/(x<sup>2</sup>+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/  
(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x+1)<sup>2</sup>/(x<sup>2</sup>-x+1)<sup>2</sup>/  
(x<sup>2</sup>+x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029423 16.4201 [x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>5</sup> ogf\_with\_Euler\_transform]  
A029423 4.41511 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>2</sup>-x+1)/  
(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029424 16.0836 [x<sup>10</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>5</sup> ogf\_with\_Euler\_transform]  
A029424 4.84119 [ 1/(x<sup>2</sup>+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>-x  
+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>+1)/(x<sup>2</sup>+x+1)<sup>2</sup>/(x+1)<sup>2</sup>/(x-1)<sup>4</sup> ogf]  
A029425 4.50629 [ 1/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>2</sup>+1)<sup>2</sup>/(x<sup>2</sup>-x+1)<sup>2</sup>/(x  
+1)<sup>3</sup>/(x<sup>2</sup>+x+1)<sup>3</sup>/(x-1)<sup>4</sup> ogf]  
A029426 16.1373 [x<sup>10</sup>+x<sup>9</sup>+x<sup>7</sup>+x<sup>5</sup> ogf\_with\_Euler\_transform]  
A029426 4.53327 [ 1/(x<sup>2</sup>+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/  
(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>4</sup>+1)/(x+1)<sup>3</sup>/

$(x-1)^4$  ogf]  
A029428 15.9343  $[x^{10}+x^9+x^8+x^5$  ogf\_with\_Euler\_transform]  
A029431 14.7782  $[x^5+x^9*(x^2+x+1)$  ogf\_with\_Euler\_transform]  
A029432 13.5649  $[1/362880*x^6*(x^3+9*x^2+72*x+504)$  egf\_with\_Euler\_transform]  
A029432 5.38538  $[1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^6+x^3+1)/(x^4+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A029433 15.7801  $[x^{10}+x^8+x^7+x^6$  ogf\_with\_Euler\_transform]  
A029433 4.34626  $[1/(x+1)/(x^2+x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^4+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A029434 14.5487  $[x^{11}+x^6*(x^2+x+1)$  ogf\_with\_Euler\_transform]  
A029435 15.8328  $[x^{10}+x^9+x^7+x^6$  ogf\_with\_Euler\_transform]  
A029437 11.5028  $[(-1/x^8+1)/(x^2+1)*x^{14}/(x-1)$  ogf\_with\_Euler\_transform]  
A029438 15.8848  $[x^{10}+x^9+x^8+x^6$  ogf\_with\_Euler\_transform]  
A029441 14.8251  $[x^6+x^9*(x^2+x+1)$  ogf\_with\_Euler\_transform]  
A029442 14.6465  $[1/3628800*x^7*(x^3+10*x^2+90*x+720)$  egf\_with\_Euler\_transform]  
A029442 5.97508  $[1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^4+1)/(x^6+x^3+1)/(x+1)^2/(x-1)^4$  ogf]  
A029443 15.6295  $[x^{11}+x^9+x^8+x^7$  ogf\_with\_Euler\_transform]  
A029444 15.5147  $[x^{11}+x^{10}+x^8+x^7$  ogf\_with\_Euler\_transform]  
A029445 15.3622  $[x^{11}+x^{10}+x^9+x^7$  ogf\_with\_Euler\_transform]  
A029446 11.9587  $[1/39916800*x^8*(x^3+11*x^2+110*x+990)$  egf\_with\_Euler\_transform]  
A029546 14.1592  $-(35-70*x+3*x^2)/(x-1)/(x^2-34*x+1)$  lgdogf  
A029546 17.2172  $[ -1/(x-1)/(x^2-34*x+1)$  ogf]  
A029546 5.69043  $[{a(n+3)-35*a(n+2)+35*a(n+1)-a(n), a(0) = 1, a(1) = 35, a(2) = 1190},$  ogf]  
A029547 10.7733  $-1/2*(-1-34*x+(36*x+1)^{(1/2)}*(32*x+1)^{(1/2)})/x$  revogf  
A029547 14.8943  $[1/(x^2-34*x+1)$  ogf]  
A029547 21.5467  $-2*(-17+x)/(x^2-34*x+1)$  lgdogf  
A029547 6.02863  $[{-a(n+2)+34*a(n+1)-a(n), a(0) = 1, a(1) = 34},$  ogf]  
A029548 10.7733  $-1/2*(-32*x-1+(30*x+1)^{(1/2)}*(1+34*x)^{(1/2)})/x$  revogf  
A029548 14.8943  $[1/(x^2-32*x+1)$  ogf]  
A029548 21.5467  $-2*(-16+x)/(x^2+1-32*x)$  lgdogf  
A029548 6.02863  $[{-a(n+2)+32*a(n+1)-a(n), a(0) = 1, a(1) = 32},$  ogf]  
A029549 11.7393  $[ -6*x/(x-1)/(x^2-34*x+1)$  ogf]  
A029549 13.3081  $-(35-70*x+3*x^2)/(x-1)/(x^2-34*x+1)$  lgdogf  
A029549 4.79778  $[{a(n+3)-35*a(n+2)+35*a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 210},$  ogf]  
A029552 15.2332  $[ -(-3*x^2+2*x-3)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A029571 14.1009  $1/48*(-48+24*x^3-24*x^4-x^7+x^8)/(x-1)$  lgdegf  
A029571 3.06192  $[ -48*x^4*(x^7+x^6+x^5+x^4-23*x^3-960)/$   
 $(23*x^{11}-960*x^9+576*x^8+552*x^7-23040*x^5+18432*x^4+4416*x^3-184320*x+184320)$   
egf]  
A029572 10.8508  $[ -60*x^5/(x-1)/(x^{10}+30*x^5+300)$  egf]  
A029572 22.4333  $-(30+16*x^5-15*x^4)/(x-1)/(x^5+30)$  lgdegf  
A029573 7.22004  $[ -72*x^6*(x+1)*(x^2-x+1)*(x^2+x+1)/(35*x^{12}+396*x^6-432)$  egf]  
A029574 6.16916  $[ 2*x^7*(x^6+x^5+42*x^2+42*x+42)/$   
 $(x^{12}-42*x^{10}+28*x^7+14*x^5-588*x^3+588)$  egf]  
A029575 15.4169  $[ -2*x^8/(x-1)/(x^8+16)$  egf]  
A029576 14.5958  $(4*x+2+x^6+x^7)/(-4*x^2+2+2*x+x^6)$  lgdegf  
A029576 14.7647  $[ -2*x^9/(x-1)/(x^9+18)$  egf]  
A029577 13.8563  $[ -2*x^{10}/(x-1)/(x^{10}+20)$  egf]  
A029577 24.2039  $a(n+1)-a(n), a(0)=1$  lgdegf  
A029578 15.7061  $[ x^2*(2*x+1)/(x-1)^2/(x+1)^2$  ogf]  
A029578 24.6288  $-2*(1+2*x+3*x^2)/(x-1)/(2*x+1)/(x+1)$  lgdogf  
A029578 6.04897  $[{(-3*n^2-7*n-2)*a(n+1)+4*a(n+2)+(3*n^2+n-2)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1},$  ogf]  
A029579 15.6564  $[ (x^3+x+1)/(x-1)^2/(x+1)^2$  ogf]  
A029579 21.8813  $-(1+4*x+x^4+6*x^2)/(x-1)/(x+1)/(x^3+x+1)$  lgdogf  
A029580 5.26506  $[ -$   
 $(4094*x^{12}-2048*x^{11}-1024*x^{10}-512*x^9-256*x^8-128*x^7-64*x^6-32*x^5-16*x^4-8*x^3$

$3-4*x^2-3*x-1)/(x-1)^2$  ogf]  
A029587 13.2196  $1/48*(-48+24*x^3-24*x^4-x^7+x^8)/(x-1)$  lgdegf  
A029587 5.03191  $[8*x^4*(x+1)*(x^2+1)*(x^4-960)/(937*x^{12}+21912*x^8+161472*x^4-184320)$  egf]  
A029588 10.9629  $[-5/2*x^5/(x-1)/(x^{10}+30*x^5+300)$  egf]  
A029588 13.6108  $-(30+16*x^5-15*x^4)/(x-1)/(x^5+30)$  lgdegf  
A029609 15.4135  $-5/2*(5+3*(1-4*x)^{(1/2)})/(9*x+4)/(4*x-1)$  lgdogf  
A029609 6.55473  $[{(-4*n-2)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 5},$  ogf]  
A029651 18.2403  $-3/2*(3+(1-4*x)^{(1/2)})/(x+2)/(4*x-1)$  lgdogf  
A029651 6.97424  $[{(-4*n-2)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 3},$  ogf]  
A029674 4.40962  $[x*(2*x^{33}-2*x^{32}-4*x^{28}+6*x^{27}+x^{26}-x^{25}+4*x^{18}-6*x^{17}+x^{16}-x^{15}+2*x-3)/(2*x^{27}-2*x^{17}-1)/(x-1)^2$  ogf]  
A029697 11.6145  $-4*(5-72*x+720*x^2)/(4*x-1)/(36*x-1)/(20*x-1)$  lgdogf  
A029697 12.3103  $[-6*(20*x-1)/(36*x-1)/(4*x-1)$  ogf]  
A029697 12.7477  $-1/24*(-3-20*x+(9+256*x^2)^{(1/2)})/(6*x+5)$  revogf  
A029697 7.07488  $[{a(n+2)-40*a(n+1)+144*a(n), a(0) = 6, a(1) = 120},$  ogf]  
A029698 5.16222  $[{-a(n+3)+129*a(n+2)-3000*a(n+1)+10000*a(n), a(0) = 10, a(1) = 340, a(2) = 20860},$  ogf]  
A029698 8.69426  $[-10*(700*x^2-95*x+1)/(100*x-1)/(4*x-1)/(25*x-1)$  ogf]  
A029699 14.6513  $-3*(-9-26*x+5*x^2)/(x-1)/(5*x^2-22*x-1)$  lgdogf  
A029699 3.94723  $[{(-3-n)*a(n+4)+(-15-21*n)*a(n+3)+(105+27*n)*a(n+2)+(-15-5*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 27, a(3) = 120},$  ogf]  
A029699 9.58613  $[x*(5*x^2-22*x-1)/(x-1)^5$  ogf]  
A029700 5.87727  $[-x*(481*x^4-1624*x^3+2256*x^2+236*x+1)/(x-1)^7$  ogf]  
A029700 7.01496  $-3*(81+1976*x+481*x^4-1524*x^3+2136*x^2)/(x-1)/(481*x^4-1624*x^3+2256*x^2+236*x+1)$  lgdogf  
A029739 12.0091  $[(2*x+1)*(x^2+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A029739 12.4931  $-(3+5*x+2*x^5+4*x^4+9*x^3+13*x^2)/(x-1)/(2*x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A029739 5.02198  $[{(-3*n-10)*a(n+1)-3*a(n+2)-3*a(n+3)+(3*n+7)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 7},$  ogf]  
A029744 16.9130  $[-(x+1)^2/(2*x^2-1)$  ogf]  
A029744 31.2923  $-2*(2*x+1)/(x+1)/(2*x^2-1)$  lgdogf  
A029744 9.86593  $[{-a(n+3)+2*a(n+1), a(0) = 1, a(1) = 2, a(2) = 3},$  ogf]  
A029745 13.4861  $[-(x^3+6*x^2+2*x+1)/(2*x^2-1)$  ogf]  
A029745 15.3848  $(-2-16*x+2*x^4-7*x^2)/(2*x^2-1)/(x^3+6*x^2+2*x+1)$  lgdogf  
A029745 8.00739  $[{-a(n+4)+2*a(n+2), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 5},$  ogf]  
A029746 13.2255  $[-(3*x^3+2*x^2+2*x+1)/(2*x^2-1)$  ogf]  
A029746 14.4902  $(-2-8*x+6*x^4-13*x^2)/(2*x^2-1)/(3*x^3+2*x^2+2*x+1)$  lgdogf  
A029746 7.85266  $[{-a(n+4)+2*a(n+2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7},$  ogf]  
A029747 14.6949  $2*(x+1)*(x^3-2*x^2-x-1)/(2*x^3-1)/(x^2+x+1)$  lgdogf  
A029747 5.99006  $[{-a(n+5)+2*a(n+2), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4, a(4) = 5},$  ogf]  
A029747 9.95271  $[-(x^2+x+1)^2/(2*x^3-1)$  ogf]  
A029748 11.2490  $[-(x^5+2*x^4+2*x^3+3*x^2+2*x+1)/(2*x^3-1)$  ogf]  
A029748 9.94576  $(-2-6*x-11*x^4-16*x^3+4*x^7+4*x^6-12*x^2)/(2*x^3-1)/(x^5+2*x^4+2*x^3+3*x^2+2*x+1)$  lgdogf  
A029749 11.3371  $(-2-8*x-8*x^4-20*x^3+6*x^6-15*x^2)/(2*x^3-1)/(3*x^4+3*x^3+4*x^2+2*x+1)$  lgdogf  
A029749 12.4474  $[-(3*x^4+3*x^3+4*x^2+2*x+1)/(2*x^3-1)$  ogf]  
A029749 7.49149  $[{a(n+5)-2*a(n+2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 5, a(4) = 7},$  ogf]  
A029750 12.0781  $2*(-3*x^2-2*x-2*x^4-4*x^3+2*x^6-1)/(x+1)/(x^2+1)/(2*x^4-1)$  lgdogf  
A029750 8.84068  $[-(x^2+1)^2*(x+1)^2/(2*x^4-1)$  ogf]  
A029759 16.7792  $-(1-6*x+12*x^2)/(-1+3*x)/(2*x-1)/(4*x-1)$  lgdogf  
A029759 3.40399  $[{(n+4)*a(n+4)+(-28-9*n)*a(n+3)+(58+26*n)*a(n+2)+(-36-24*n)*a(n+1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6},$  ogf]  
A029760 3.92074  $[{(-16*n^2-120*n-224)*a(n+1)+(8*n^2+62*n+116)*a(n+2)+(-$

$n^2-8n-15$ )\*a(n+3), a(0) = 1, a(1) = 8, a(2) = 47}], ogf]
   
 A029760 9.68711  $-16+100*x+(2-28*x+80*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$  lgdogf
   
 A029766 4.03023 [  $-x*(3*x^9+3*x^8-4*x^6-x^5-x^4+2*x^3-2*x^2+x-3)/$ 
  
 $(3*x^{10}+4*x^9-6*x^8-3*x^6+4*x^5-4*x+3)$  egf]
   
 A029767 6.08904 [  $\{(-2*n^2-2*n)*a(n)+(3*n+3)*a(n+1)-a(n+2), a(0) = 0, a(1) = 1\}$ ,
   
 ogf]
   
 A029769 13.7032 [  $(-(-9*x^2+3*x-6)/(x^3-x^2+x-1)$  ogf\_with\_Euler\_transform]
   
 A029826 8.08610  $-(1-6*x^5-5*x^4-4*x^3+9*x^8-7*x^6-3*x^2+10*x^9)/(-x^3+1+x+x^{10}-$ 
  
 $x^5-x^4-x^7-x^6+x^9)$  lgdogf
   
 A029826 8.13540 [  $1/(x^{10}+x^9-x^7-x^6-x^5-x^4-x^3+x+1)$  ogf]
   
 A029835 7.91753  $(-1+14*x^{15}-15*x^{14}+2*x^3+6*x^7-7*x^6-33*x^{32}+32*x^{33}-3*x^2)/$ 
  
 $(x-1)/(x^{33}+x^{15}+x^7+x^3+1)$  lgdogf
   
 A029838 17.5912 [  $(-(-x+1)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]
   
 A029839 16.0885 [  $(-(-2*x+2)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]
   
 A029840 11.7094 [  $(-(-3*x+3)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]
   
 A029841 11.9228 [  $(-(-4*x+4)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]
   
 A029842 11.8547 [  $(-(-5*x+5)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]
   
 A029843 11.3775 [  $(-(-6*x+6)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]
   
 A029844 11.4131 [  $(-(-7*x+7)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]
   
 A029845 13.1486 [  $(-(-8*x+8)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]
   
 A029858 14.9454 [  $3*x/(3*x-1)/(x-1)$  ogf]
   
 A029858 15.0957  $-1/6*(-3-4*x+(9+24*x+4*x^2)^{(1/2)})/x$  revogf
   
 A029858 21.7379  $-2*(-2+3*x)/(3*x-1)/(x-1)$  lgdogf
   
 A029858 6.82693 [  $\{a(n+2)-4*a(n+1)+3*a(n), a(0) = 0, a(1) = 3\}$ , ogf]
   
 A029862 18.2767 [  $(-(-3*x-1)/(-x^2+1)$  ogf\_with\_Euler\_transform]
   
 A029863 16.9437 [  $(-(-3*x-2)/(-x^2+1)$  ogf\_with\_Euler\_transform]
   
 A029864 12.3782 [  $(-(-3*x^2-2*x-1)/(-x^3+1)$  ogf\_with\_Euler\_transform]
   
 A029887 13.6945  $-11+144*x+(1-28*x+96*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$  lgdogf
   
 A029887 4.14005 [  $\{(-16*n^2-136*n-288)*a(n+1)+(8*n^2+62*n+114)*a(n+2)+(-$ 
  
 $n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 11, a(2) = 82\}$ , ogf]
   
 A029898 11.8619  $-(1+2*x+2*x^5-13*x^4+14*x^3+5*x^2+7*x^6)/(x-1)/(x+1)/$ 
  
 $(4*x^4+3*x^3+x^2+1)/(x^2-x+1)$  lgdogf
   
 A029898 13.5794 [  $(- (4*x^4+3*x^3+x^2+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf]
   
 A029906 10.6051  $-(1+4*x+12*x^5+7*x^4+8*x^3)/(-1+x)/(x+1)/(x^2+1)/(2*x^2+x+1)$ 
  
 lgdogf
   
 A029906 9.61315 [  $x*(2*x^2+x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]
   
 A029907 11.9994 [  $-x*(x-1)*(x+1)/(x^2+x-1)^2$  ogf]
   
 A029907 21.9750  $-2*(-1-x+x^3)/(x-1)/(x+1)/(x^2+x-1)$  lgdogf
   
 A029924 8.09717 [  $-x*(x^{22}-x^{21}-2*x^4-2*x^3-3*x^2-2*x-2)/(x^4+x^3+x^2+x+1)/$ 
  
 $(x-1)^2$  ogf]
   
 A029925 5.07932  $(-(-34-38*x$ 
  
 $+26*x^8+19*x^6+15*x^5+25*x^7-49*x^4-45*x^3+30*x^9-39*x^2)/(-1+x)/(x^4+x^3+x^2+x$ 
  
 $+1)/(30*x^5-2*x^4-x^3-2*x^2-2*x-32)$  lgdogf
   
 A029925 7.41934 [  $(- (30*x^5-2*x^4-x^3-2*x^2-2*x-32)/(x^4+x^3+x^2+x+1)/(x-1)^2$ 
  
 ogf]
   
 A029926 7.20096 [  $(18*x^9+x^8+x^6+x^5+x^3+x-18)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$ 
  
 ogf]
   
 A029929 6.52253 [  $2*x*(x^7-2*x^6-2*x^5+x^4-6*x^3+3*x^2+2*x-1)/(x+1)^2/(2*x-1)^2/$ 
  
 $(x-1)^3$  ogf]
   
 A029929 8.29519  $(-3+9*x+19*x^6+45*x^5+5*x^7-43*x^4-11*x^3+3*x^2)/(x-1)/(2*x-1)/$ 
  
 $(x+1)/(x^7-2*x^6-2*x^5+x^4-6*x^3+3*x^2+2*x-1)$  lgdogf
   
 A030053 12.4852  $-63+256*x+(7-60*x+128*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$  lgdogf
   
 A030053 5.69506 [  $\{(-4*n^2-42*n-110)*a(n+1)+(n^2+11*n+18)*a(n+2), a(0) = 1, a(1)$ 
  
 $= 9\}$ , ogf]
   
 A030054 4.49429 [  $\{(-4*n^2-50*n-156)*a(n+1)+(n^2+13*n+22)*a(n+2), a(0) = 1, a(1)$ 
  
 $= 11\}$ , ogf]
   
 A030054 9.89469  $-99+400*x+(9-76*x+160*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$  lgdogf
   
 A030055 4.23206 [  $\{(-4*n^2-58*n-210)*a(n+1)+(n^2+15*n+26)*a(n+2), a(0) = 1, a(1)$ 
  
 $= 13\}$ , ogf]
   
 A030055 8.98719  $-143+576*x+(11-92*x+192*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$ 
  
 lgdogf



A030056 4.30339 [ $\{(-4*n^2-66*n-272)*a(n+1)+(n^2+17*n+30)*a(n+2), a(0) = 1, a(1) = 15\}$ , ogf]  
A030056 8.98719  $-195+784*x+(13-108*x+224*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$  lgdogf  
A030060 4.08423 [ $\{(-4*n^2-38*n-90)*a(n+1)+(n^2+8*n+12)*a(n+2), a(0) = 5, a(1) = 56\}$ , ogf]  
A030065 10.0720 [ $x*(x^2-x+1)*(x^2+x+1)^2/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A030065 11.6914  $-(1+3*x+5*x^5+2*x^7+x^6-x^4+14*x^3-x^2)/(x-1)/(1+x)/(1+x^2)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A030065 22.7785  $[-x^5+2*x^3-x^2+x+1$  ogf\_with\_Euler\_transform]  
A030108 4.78706 [ $-x*(64*x^17-8*x^16-8*x^15-8*x^14-8*x^13-8*x^12-8*x^11-8*x^10-8*x^9+7*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A030110 11.0222  $-2*(1-7*x+18*x^2-16*x^3+x^4)/(x-1)/(-1+2*x)/(x^3-9*x^2+8*x-2)$  lgdogf  
A030110 8.86690 [ $-(x^3-9*x^2+8*x-2)/(2*x-1)/(x-1)^3$  ogf]  
A030112 4.01037 [ $-(x+1)*(x^2+x-1)*(x^4-x^3-4*x^2+4*x+1)/(x^8+x^7-7*x^6-6*x^5+15*x^4+10*x^3-10*x^2-4*x+1)$  ogf]  
A030113 3.36106 [ $-(x^8-x^7-7*x^6+6*x^5+15*x^4-10*x^3-10*x^2+4*x+1)/(x^9-x^8-8*x^7+7*x^6+21*x^5-15*x^4-20*x^3+10*x^2+5*x-1)$  ogf]  
A030114 3.88491 [ $-(x^9+x^8-8*x^7-7*x^6+21*x^5+15*x^4-20*x^3-10*x^2+5*x+1)/(x+1)/(x^3+x^2-2*x-1)/(x^6-x^5-6*x^4+6*x^3+8*x^2-8*x+1)$  ogf]  
A030117 12.0117  $-(7+26*x+6*x^4+24*x^3+41*x^2)/(x-1)/(1+x)/(2*x^3+5*x^2+5*x+1)$  lgdogf  
A030117 7.18484 [ $4*x^2*(2*x^3+5*x^2+5*x+1)/(x+1)^2/(x-1)^4$  ogf]  
A030118 11.6636 [ $-(x^3-3*x^2+2*x-1)/(x^2-x+1)/(x-1)^2$  ogf]  
A030118 13.9840  $-(-1+x+x^5+6*x^3-5*x^4-4*x^2)/(x-1)/(x^2-x+1)/(x^3-3*x^2+2*x-1)$  lgdogf  
A030118 4.58215 [ $\{(-n-4)*a(n+1)+(2*n+7)*a(n+2)+(-2*n-7)*a(n+3)+(n+3)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 4\}$ , ogf]  
A030119 10.1293 [ $(x^3-3*x^2+2*x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A030119 11.3105  $-(1+3*x-8*x^2+6*x^3-5*x^4+x^5)/(x-1)/(x^2+x-1)/(x^3-3*x^2+2*x-1)$  lgdogf  
A030119 4.33311 [ $\{(-n-4)*a(n+1)-a(n+2)+(2*n+7)*a(n+3)+(-n-3)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 8\}$ , ogf]  
A030123 10.6975 [ $-x*(2*x^3-2*x^2-6*x-1)/(x+1)/(x-1)^2$  ogf]  
A030123 15.2233  $-(-10-18*x-3*x^2+3*x^3)/(x-1)/(x+1)/(3*x^2-3*x-7)$  lgdogf  
A030123 5.38564 [ $\{-a(n+5)+a(n+4)+a(n+3)-a(n+2), a(0) = 0, a(1) = 1, a(2) = 7, a(3) = 10, a(4) = 14\}$ , ogf]  
A030179 5.84502 [ $-x^2*(x^4+2*x^3+6*x^2+2*x+1)/(x+1)^3/(x-1)^5$  ogf]  
A030179 9.80568  $-4*(1+6*x+x^5+8*x^2+11*x^3+3*x^4)/(x-1)/(x+1)/(x^4+2*x^3+6*x^2+2*x+1)$  lgdogf  
A030180 11.4130  $-4*(13+78*x+3*x^4+38*x^3+108*x^2)/(x-1)/(3*x^4+28*x^3+58*x^2+28*x+3)$  lgdogf  
A030180 5.88684 [ $x^2*(3*x^4+28*x^3+58*x^2+28*x+3)/(x-1)^8$  ogf]  
A030181 9.96967  $[-(-4*x^5-4*x^4-4*x^3-4*x^2-4*x-4)/(x^7-1)$  ogf\_with\_Euler\_transform]  
A030182 13.2597  $[-(-12*x-12)/(x^3-1)$  ogf\_with\_Euler\_transform]  
A030186 12.2332 [ $-(x-1)/(x^3-x^2-3*x+1)$  ogf]  
A030186 15.8832  $-2*(1+x-2*x^2+x^3)/(x-1)/(x^3-x^2-3*x+1)$  lgdogf  
A030186 5.78895 [ $\{-a(n+3)+3*a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
A030187 4.20874 [ $-(4*x^13+x^12+2*x^11+x^10+2*x^9+x^8+2*x^7+2*x^6+2*x^5+x^4+2*x^3+x^2+2*x+1)/(-x^14+1)$  ogf\_with\_Euler\_transform]  
A030188 12.2268  $[-(-4*x^5-x^4-2*x^3-2*x^2-2*x-1)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A030189 8.00433  $[-(4*x^7+x^6+2*x^5+x^4+3*x^3+x^2+2*x+1)/(-x^8+1)$  ogf\_with\_Euler\_transform]  
A030191 19.9008  $-1/10*(-1-5*x+(1+10*x+5*x^2)^(1/2))/x$  revogf  
A030191 22.7080 [ $1/(5*x^2-5*x+1)$  ogf]

A030191 30.6804  $-5*(2*x-1)/(5*x^2+1-5*x)$  lgdogf  
A030191 9.13857  $[{-a(n+2)+5*a(n+1)-5*a(n), a(0) = 1, a(1) = 5}],$  ogf]  
A030192 12.5348  $-1/12*(-1-6*x+(1+12*x+12*x^2)^(1/2))/x$  revogf  
A030192 19.8467  $-6*(2*x-1)/(6*x^2+1-6*x)$  lgdogf  
A030192 21.8611  $[ 1/(6*x^2-6*x+1)$  ogf]  
A030192 8.79777  $[{-a(n+2)+6*a(n+1)-6*a(n), a(0) = 1, a(1) = 6}],$  ogf]  
A030195 17.3124  $[ -x/(3*x^2+3*x-1)$  ogf]  
A030195 18.0257  $1/6/x*(-1-3*x+(1+6*x+21*x^2)^(1/2))$  revogf  
A030195 26.2875  $-3*(2*x+1)/(3*x^2-1+3*x)$  lgdogf  
A030195 7.90811  $[{-a(n+2)+3*a(n+1)+3*a(n), a(0) = 0, a(1) = 1}],$  ogf]  
A030200 6.17906  $[-(2*x^10-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^11-1)$   
ogf\_with\_Euler\_transform]  
A030201 4.47527  $[-(2*x^20+x^17+x^14+x^11+x^8+x^5+x^2)/(-x^21+1)$   
ogf\_with\_Euler\_transform]  
A030202 10.2891  $[-(2*x^4-x^3-x^2-x-1)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A030203 11.8951  $[-(2*x^2-x-1)/(x^3-1)$  ogf\_with\_Euler\_transform]  
A030204 13.3215  $[-(2*x+1)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A030205 10.0993  $[-(4*x^4-2*x^3-2*x^2-2*x-2)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A030206 15.8477  $[-(4*x^2-2*x-2)/(x^3-1)$  ogf\_with\_Euler\_transform]  
A030207 8.45826  $[-(6*x^7-2*x^6-3*x^5-2*x^4-4*x^3-2*x^2-3*x-2)/(x^8-1)$   
ogf\_with\_Euler\_transform]  
A030208 12.3567  $[-(6*x^2-3*x-3)/(x^3-1)$  ogf\_with\_Euler\_transform]  
A030209 9.55171  $[-(8*x^5-2*x^4-4*x^3-4*x^2-4*x-2)/(x^6-1)$   
ogf\_with\_Euler\_transform]  
A030210 13.1943  $[-(8*x^4-4*x^3-4*x^2-4*x-4)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A030211 20.7158  $[-(8*x+4)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A030212 12.4103  $[-(10*x^3-4*x^2-6*x-4)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A030220 6.64183  $[-(6*x^6-6*x^5-6*x^4-3*x^3-3*x^2)/(x^7+x^6+x^5-x^2-x-1)$   
ogf\_with\_Euler\_transform]  
A030221 12.9949  $-1/2*(-1-5*x+(1+14*x+21*x^2)^(1/2))/(x-1)$  revogf  
A030221 16.1727  $[ (x+1)/(x^2-5*x+1)$  ogf]  
A030221 17.1868  $-(-6+2*x+x^2)/(x+1)/(x^2-5*x+1)$  lgdogf  
A030221 8.87528  $[{-a(n+2)+5*a(n+1)-a(n), a(0) = 1, a(1) = 6}],$  ogf]  
A030236 12.4725  $2*(1+x-4*x^2+5*x^3)/(x-1)/(2*x^2+1)/(x^3-x^2+3*x-1)$  lgdogf  
A030236 4.88180  $[{-a(n+4)+3*a(n+3)-a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 7,$   
 $a(3) = 18}],$  ogf]  
A030236 9.40986  $[ (x-1)*(2*x^2+1)/(x^3-x^2+3*x-1)$  ogf]  
A030240 13.8750  $-1/14*(-1-7*x+(1+14*x+21*x^2)^(1/2))/x$  revogf  
A030240 21.9687  $-7*(2*x-1)/(7*x^2+1-7*x)$  lgdogf  
A030240 22.1385  $[ 1/(7*x^2-7*x+1)$  ogf]  
A030240 8.90938  $[{-a(n+2)+7*a(n+1)-7*a(n), a(0) = 1, a(1) = 7}],$  ogf]  
A030241 10.3777  $[ -(2*x^7+3*x^6+4*x^5+4*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/$   
 $(x^2+1)/(x^4+1)$  ogf]  
A030267 10.8058  $[ (x-1)^2/(x^2-3*x+1)^2$  ogf]  
A030267 19.8540  $-2*(2-2*x+x^2)/(x-1)/(x^2-3*x+1)$  lgdogf  
A030267 3.78204  $[{(n+4)*a(n+4)+(-16-4*n)*a(n+3)+(12+4*n)*a(n+2)+(-3-n)*a(n+1),$   
 $a(0) = 1, a(1) = 4, a(2) = 14, a(3) = 46}],$  ogf]  
A030270 6.43917  $-(1+2*x+8*x^7-11*x^2-4*x^3+13*x^4+18*x^5+4*x^9+9*x^6+4*x^8)/$   
 $(x^2+2*x-1)/(2*x^4+2*x^2+x-1)/(x^4+2*x^2-1)$  lgdogf  
A030270 7.27784  $[ -(2*x^4+2*x^2+x-1)/(x^2+2*x-1)/(x^4+2*x^2-1)$  ogf]  
A030279 5.29441  $[ -(x+1)*(x^3-4*x^2+2*x-1)*(x-1)^3/(x^3-2*x^2+4*x-1)^3$  ogf]  
A030279 8.96853  $-2*(4-6*x-6*x^6-x^5+x^7+26*x^4-20*x^3+14*x^2)/(x-1)/(x+1)/$   
 $(x^3-4*x^2+2*x-1)/(x^3-2*x^2+4*x-1)$  lgdogf  
A030280 13.0994  $-3*(-2+2*x-3*x^2+x^3)/(x-1)/(x^3-3*x^2+4*x-1)$  lgdogf  
A030280 3.88396  $[ -(x-1)^6/(x^3-3*x^2+4*x-1)^3$  ogf]  
A030292 5.09634  $[ x*(10*x^8+80*x^7+59*x^6+30*x^5+23*x^4+16*x^3+7*x^2-2*x-1)/$   
 $(10*x^2-1)$  ogf]  
A030293 3.85900  $[$   
 $x*(331000*x^8+992000*x^7+341669*x^6+63000*x^5+26657*x^4+7936*x^3+973*x^2-8*x-1)/$   
 $(1000*x^2-1)$  ogf]  
A030297 27.1114  $(-3+x^2)/(x-1)/(1+x)$  lgdegf

A030300 5.13161 [  $-(x^{47}-x^{39}+x^{35}-x^{33}+x^{32}-x^{31}+x^{15}-x^7+x^3-x+1)/(x-1)/(x^{32}+1)$  ogf ]  
A030429 6.46491  $-2*(-1+10*x+49*x^5-28*x^4+7*x^3-28*x^2)/(x-1)/(7*x^2-7*x+1)/(14*x^3-11*x^2+7*x-1)$  lgdogf  
A030429 6.61526 [  $-(14*x^3-11*x^2+7*x-1)/(7*x^2-7*x+1)/(x-1)^2$  ogf ]  
A030434 10.6270  $-(-15+67*x+93*x^3-113*x^2)/(x-1)/(93*x^3-196*x^2+153*x-42)$  lgdogf  
A030434 7.42608 [  $(93*x^3-196*x^2+153*x-42)/(x-1)^4$  ogf ]  
A030435 8.53448  $-(1+4*x+2*x^6+8*x^5-2*x^4-8*x^3+x^2)/(x^3+2*x^2-x-1)/(2*x^4-4*x^2+1)$  lgdogf  
A030435 9.13969 [  $-2*(x^3+2*x^2-x-1)/(2*x^4-4*x^2+1)$  ogf ]  
A030436 8.71532  $-(1+4*x+2*x^6+8*x^5-2*x^4-8*x^3+x^2)/(x^3+2*x^2-x-1)/(2*x^4-4*x^2+1)$  lgdogf  
A030436 9.33083 [  $-(x^3+2*x^2-x-1)/(2*x^4-4*x^2+1)$  ogf ]  
A030439 13.2384 [  $-x*(x^2-2*x-1)/(x-1)/(x+1)/(3*x^2-1)$  ogf ]  
A030439 8.74127  $-2*(1+3*x+3*x^5-9*x^4-6*x^3+4*x^2)/(x-1)/(x+1)/(3*x^2-1)/(x^2-2*x-1)$  lgdogf  
A030440 11.1100 [  $-(2*x^3-13*x^2+4*x-1)/(x-1)^4$  ogf ]  
A030440 12.9300  $-2*x*(-7+x^2-10*x)/(x-1)/(2*x^3-13*x^2+4*x-1)$  lgdogf  
A030440 4.60947 [  $\{(47*n^2+253*n+318)*a(n+1)+(-90*n^2-405*n-450)*a(n+2)+(43*n^2+164*n+105)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 7\}$ , ogf ]  
A030441 15.5370  $-(-1+9*x+15*x^3+9*x^2)/(x-1)/(15*x^3-18*x^2+15*x-4)$  lgdogf  
A030441 4.62347 [  $\{(-n^2+4)*a(n+1)+(-2*n^2-23*n-37)*a(n+2)+(3*n^2+11*n+6)*a(n+3), a(0) = -4, a(1) = -1, a(2) = 2\}$ , ogf ]  
A030441 9.99826 [  $(15*x^3-18*x^2+15*x-4)/(x-1)^4$  ogf ]  
A030442 7.42984 [  $-(386*x^4-1136*x^3+1361*x^2-758*x+163)/(x-1)^5$  ogf ]  
A030442 9.87770  $-(57-310*x+386*x^4-728*x^3+675*x^2)/(x-1)/(386*x^4-1136*x^3+1361*x^2-758*x+163)$  lgdogf  
A030451 15.8308 [  $-x*(x-2)/(x+1)/(x-1)^2$  ogf ]  
A030451 26.9516  $-(-1-5*x+2*x^2)/(x-1)/(x-2)/(x+1)$  lgdogf  
A030451 8.12932 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 1\}$ , ogf ]  
A030452 8.63892  $-(2+26*x+27*x^2-4*x^3+9*x^4+4*x^5+x^6)/(x-1)/(x^2+3*x+1)/(x^4-15*x^2+1)$  lgdogf  
A030452 9.48600 [  $-(x-1)*(x^2+3*x+1)/(x^4-15*x^2+1)$  ogf ]  
A030503 11.4958  $-(4+8*x+11*x^2+6*x^3+6*x^4+x^6)/(x-1)/(x^2+x+1)/(x^4-x^3+2*x^2+2)$  lgdogf  
A030503 8.57075 [  $-(x^4-x^3+2*x^2+2)/(x^2+x+1)/(x-1)^3$  ogf ]  
A030511 10.8281 [  $-2*(x+1)/(x^2+x+1)/(x-1)^3$  ogf ]  
A030511 17.0153  $-(3+4*x+7*x^2+4*x^3)/(-1+x)/(x+1)/(x^2+x+1)$  lgdogf  
A030511 29.7232 [  $x^2-x+3$  ogf\_with\_Euler\_transform ]  
A030512 13.0726 [  $-1/(100*x-1)/(x-1)^2$  ogf ]  
A030512 19.0194  $-6*(-17+50*x)/(100*x-1)/(x-1)$  lgdogf  
A030512 4.53323 [  $\{a(n+3)-102*a(n+2)+201*a(n+1)-100*a(n), a(0) = 1, a(1) = 102, a(2) = 10203\}$ , ogf ]  
A030517 9.88726 [  $-(5*x^2+2*x-1)/(5*x-1)/(x+1)/(5*x^2-1)$  ogf ]  
A030518 12.5987 [  $2*x/(5*x-1)/(x+1)/(5*x^2-1)$  ogf ]  
A030518 6.59155  $-4*(-1-5*x+25*x^3+15*x^2)/(5*x-1)/(x+1)/(5*x^2-1)$  lgdogf  
A030531 5.02992 [  $14*x*(16956*x^3-126*x^2-449*x-1)/(x-1)/(27*x+1)/(8*x+1)/(8*x-1)/(27*x-1)$  ogf ]  
A030533 11.7320  $-(-1+8*x-4*x^2+10*x^3-x^4+2*x^5)/(x-1)/(x+1)/(1+x^2)/(x^2-x+1)$  lgdogf  
A030533 17.7211 [  $-x^5-x^3+x^2+4*x+1$  ogf\_with\_Euler\_transform ]  
A030533 7.23643 [  $(x^2+1)*(x^2-x+1)/(x+1)^2/(x-1)^4$  ogf ]  
A030538 6.41524 [  $-(684*x^4-777*x^3+254*x^2-29*x+1)/(x-1)/(4*x-1)/(2*x-1)/(8*x-1)/(16*x-1)$  ogf ]  
A030539 3.25122 [  $-(1048320*x^6-1381560*x^5+537549*x^4-80256*x^3+4968*x^2-124*x+1)/(x-1)/(4*x-1)/(64*x-1)/(2*x-1)/(8*x-1)/(16*x-1)/(32*x-1)$  ogf ]  
A030556 10.9030 [  $x^{10}-x^9-x^5+x^4+1$  ogf\_with\_Euler\_transform ]  
A030556 4.37917 [  $-(x^2+x+1)*(x^2-x+1)*(x^4-x^3+x^2-x+1)^2/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf ]

A030575 10.9030 [x<sup>10</sup>-x<sup>9</sup>-x<sup>5</sup>+x<sup>4</sup>+1 ogf\_with\_Euler\_transform]  
A030575 4.37917 [ -(x<sup>2</sup>+x+1)\*(x<sup>2</sup>-x+1)\*(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)\*(x+1)<sup>2</sup>/(x-1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1) ogf]  
A030640 11.8749 [ -(x<sup>2</sup>-x-1)/(x<sup>2</sup>+1)<sup>2</sup> ogf]  
A030640 19.9695 -(1-6\*x-3\*x<sup>2</sup>+2\*x<sup>3</sup>)/(1+x<sup>2</sup>)/(-1-x+x<sup>2</sup>) lgdogf  
A030640 5.83510 [{(-n-4)\*a(n+1)+(-n-2)\*a(n+3), a(0) = 1, a(1) = 1, a(2) = -3}, ogf]  
A030648 6.07725 [{(n<sup>2</sup>+23\*n+130)\*a(n+1)+(-n<sup>2</sup>-7\*n-10)\*a(n+2), a(0) = 1, a(1) = 27}, ogf]  
A030649 3.84657 [{(-n<sup>2</sup>-34\*n-285)\*a(n+1)+(2\*n<sup>2</sup>+44\*n+360)\*a(n+2)+(-n<sup>2</sup>-10\*n-21)\*a(n+3), a(0) = 1, a(1) = 56, a(2) = 1463}, ogf]  
A030653 15.0147 -(23+5\*x-7\*x<sup>2</sup>+3\*x<sup>3</sup>)/(x-1)/(3\*x<sup>3</sup>-8\*x<sup>2</sup>+7\*x+4) lgdogf  
A030653 9.35381 [ (3\*x<sup>3</sup>-8\*x<sup>2</sup>+7\*x+4)/(x-1)<sup>4</sup> ogf]  
A030655 11.7327 [ -2\*(315\*x<sup>5</sup>-405\*x<sup>4</sup>-5\*x-6)/(x-1)<sup>2</sup> ogf]  
A030655 12.0476 (17+5\*x+945\*x<sup>5</sup>-2385\*x<sup>4</sup>+1620\*x<sup>3</sup>)/(x-1)/(315\*x<sup>5</sup>-405\*x<sup>4</sup>-5\*x-6) lgdogf  
A030656 11.7479 (23+21\*x-7020\*x<sup>5</sup>+4500\*x<sup>4</sup>+2880\*x<sup>6</sup>)/(x-1)/(720\*x<sup>6</sup>-900\*x<sup>5</sup>-21\*x-1) lgdogf  
A030656 12.1553 [ -(720\*x<sup>6</sup>-900\*x<sup>5</sup>-21\*x-1)/(x-1)<sup>2</sup> ogf]  
A030695 4.77802 [ -(24256\*x<sup>6</sup>-97024\*x<sup>5</sup>+146411\*x<sup>4</sup>-100524\*x<sup>3</sup>+28506\*x<sup>2</sup>-7500\*x-125)/(x-1)<sup>4</sup> ogf]  
A030696 10.6106 [ -(16\*x<sup>4</sup>-32\*x<sup>3</sup>+21\*x<sup>2</sup>-10\*x-5)/(x-1)<sup>2</sup> ogf]  
A030696 11.6745 4\*(5-8\*x+24\*x<sup>2</sup>-24\*x<sup>3</sup>+8\*x<sup>4</sup>)/(x-1)/(16\*x<sup>4</sup>-32\*x<sup>3</sup>+21\*x<sup>2</sup>-10\*x-5) lgdogf  
A030696 5.95824 [{a(n+5)-2\*a(n+4)+a(n+3), a(0) = 5, a(1) = 20, a(2) = 14, a(3) = 40, a(4) = 50}, ogf]  
A030978 10.1941 [ x\*(2\*x<sup>5</sup>-4\*x<sup>4</sup>+3\*x<sup>2</sup>-2\*x-1)/(x+1)/(x-1)<sup>3</sup> ogf]  
A030978 12.5193 2\*(2+x-2\*x<sup>5</sup>-x<sup>4</sup>+5\*x<sup>3</sup>+x<sup>6</sup>)/(x-1)/(x+1)/(2\*x<sup>5</sup>-4\*x<sup>4</sup>+3\*x<sup>2</sup>-2\*x-1) lgdogf  
A030980 18.3507 -x\*(x-1)<sup>2</sup>/(-1+2\*x-4\*x<sup>2</sup>+2\*x<sup>3</sup>) revogf  
A030981 34.7716 x/(1+x+3\*x<sup>2</sup>+x<sup>3</sup>) revogf  
A030990 4.22539 [ -(10000\*x<sup>4</sup>-9000\*x<sup>3</sup>+300\*x<sup>2</sup>-10\*x-3)/(x-1)/(10\*x+1)/(10\*x-1)/(100\*x<sup>2</sup>-10\*x+1) ogf]  
A031058 4.46399 [ (25\*x<sup>4</sup>+3\*x<sup>3</sup>+3\*x<sup>2</sup>+3\*x+62)/(x<sup>2</sup>+1)/(x+1)/(x-1)<sup>2</sup> ogf]  
A031138 11.0794 [ -(x+1)<sup>2</sup>/(x-1)/(x<sup>2</sup>-10\*x+1) ogf]  
A031138 14.9135 -(13-33\*x+x<sup>3</sup>+3\*x<sup>2</sup>)/(-1+x)/(x+1)/(x<sup>2</sup>-10\*x+1) lgdogf  
A031138 5.96585 [{a(n+3)-11\*a(n+2)+11\*a(n+1)-a(n), a(0) = 1, a(1) = 13, a(2) = 133}, ogf]  
A031139 5.06992 [ -(8\*x<sup>11</sup>+8\*x<sup>10</sup>+7\*x<sup>9</sup>+9\*x<sup>8</sup>+6\*x<sup>7</sup>+4\*x<sup>6</sup>+4\*x<sup>5</sup>+3\*x<sup>4</sup>+5\*x<sup>3</sup>+5\*x<sup>2</sup>+8\*x+7)/(x-1)/(x+1)/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x<sup>2</sup>+1)/(x<sup>4</sup>-x<sup>2</sup>+1) ogf]  
A031149 5.06938 [ -x\*(4\*x<sup>13</sup>+7\*x<sup>12</sup>+13\*x<sup>11</sup>+16\*x<sup>10</sup>+57\*x<sup>9</sup>+38\*x<sup>8</sup>+19\*x<sup>7</sup>-16\*x<sup>6</sup>-13\*x<sup>5</sup>-7\*x<sup>4</sup>-4\*x<sup>3</sup>-3\*x<sup>2</sup>-2\*x-1)/(x<sup>14</sup>-38\*x<sup>7</sup>+1) ogf]  
A031150 5.36124 [ (x<sup>10</sup>+2\*x<sup>9</sup>+4\*x<sup>8</sup>+5\*x<sup>7</sup>+18\*x<sup>6</sup>+12\*x<sup>5</sup>+6\*x<sup>4</sup>+5\*x<sup>3</sup>+4\*x<sup>2</sup>+2\*x+1)/(x<sup>14</sup>-38\*x<sup>7</sup>+1) ogf]  
A031164 15.6510 -2\*(2+7\*x+2\*x<sup>2</sup>+5\*x<sup>3</sup>)/(x-1)/(x+1)/(1+x<sup>2</sup>) lgdogf  
A031164 22.9456 [ [-x<sup>3</sup>+5\*x+4] ogf\_with\_Euler\_transform]  
A031164 4.90022 [ (x<sup>2</sup>+1)/(x+1)<sup>4</sup>/(x-1)<sup>8</sup> ogf]  
A031193 24.4857 [ 3/(x-1)<sup>2</sup> ogf]  
A031193 31.6714 12\*x/(3+(9+12\*x)<sup>(1/2)</sup>)<sup>2</sup> revogf  
A031193 9.85400 [{-a(n+2)+2\*a(n+1)-a(n), a(0) = 3, a(1) = 6}, ogf]  
A031193 98.9732 -2/(x-1) lgdogf  
A031313 4.97337 [ (41\*x<sup>5</sup>+3\*x<sup>4</sup>+3\*x<sup>3</sup>+3\*x<sup>2</sup>+3\*x+97)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x-1)<sup>2</sup> ogf]  
A031441 9.42736 [ -(102\*x<sup>7</sup>+18\*x<sup>6</sup>+16\*x<sup>5</sup>+11\*x<sup>4</sup>+17\*x<sup>3</sup>+7\*x<sup>2</sup>+5\*x+3)/(x-1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1) ogf]  
A031479 4.65986 [ -(24\*x<sup>12</sup>-6\*x<sup>11</sup>-6\*x<sup>10</sup>-6\*x<sup>9</sup>-2\*x<sup>8</sup>-x<sup>7</sup>-x<sup>6</sup>-x<sup>5</sup>-73\*x<sup>4</sup>-36\*x<sup>3</sup>-36\*x<sup>2</sup>-36\*x-36)/(x+1)/(x<sup>2</sup>+1)/(x<sup>4</sup>-x<sup>2</sup>+1)/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x+1)/(x-1)<sup>2</sup> ogf]  
A031483 5.64059 [ -(5\*x<sup>10</sup>-x<sup>9</sup>-x<sup>8</sup>-x<sup>7</sup>-x<sup>6</sup>-15\*x<sup>5</sup>-7\*x<sup>4</sup>-7\*x<sup>3</sup>-7\*x<sup>2</sup>-7\*x-7)/(x

+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A031485 5.30941 [(8\*x^11-5\*x^10+x^9+x^8+x^7+2\*x^6+7\*x^5+7\*x^4+7\*x^3+7\*x^2+7\*x+6)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A031488 4.94990 [- (6\*x^12-x^11-x^10-x^9-x^8-x^7-17\*x^6-8\*x^5-8\*x^4-8\*x^3-8\*x^2-8\*x-8)/(x+1)/(x^2+1)/(x^4-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2 ogf]  
A031490 4.69443 [(9\*x^13-6\*x^12+x^11+x^10+x^9+x^8+2\*x^7+8\*x^6+8\*x^5+8\*x^4+8\*x^3+8\*x^2+8\*x+7)/(x+1)/(x^2+1)/(x^4-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2 ogf]  
A031506 10.5233 -(3\*x-2)\*(x^3-2\*x^2+2)/(x-1)/(1+x^2-3\*x)/(x^3-x^2-1) lgdogf  
A031506 4.17974 [{-a(n+4)+4\*a(n+3)-4\*a(n+2)+a(n+1), a(0) = 1, a(1) = 4, a(2) = 13, a(3) = 36}, ogf]  
A031506 8.61669 [(x^3-x^2-1)/(x-1)/(x^2-3\*x+1) ogf]  
A031710 13.3012 [- (255\*x+257)/(x-1)^3 ogf]  
A031710 24.0020 -6\*(171+85\*x)/(255\*x+257)/(x-1) lgdogf  
A031710 6.31806 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 257, a(1) = 1026, a(2) = 2307}, ogf]  
A031711 20.5056 -2\*(2180+1087\*x)/(1087\*x+1091)/(x-1) lgdogf  
A031712 24.2295 -3\*(193+96\*x)/(144\*x+145)/(x-1) lgdogf  
A031713 11.7601 [- (1223\*x+1227)/(x-1)^3 ogf]  
A031713 18.8956 -2\*(2452+1223\*x)/(1223\*x+1227)/(x-1) lgdogf  
A031713 5.68725 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1227, a(1) = 4904, a(2) = 11031}, ogf]  
A031714 22.6180 -2\*(649+323\*x)/(323\*x+325)/(x-1) lgdogf  
A031715 11.8754 [- (1367\*x+1371)/(x-1)^3 ogf]  
A031715 19.0845 -2\*(2740+1367\*x)/(1367\*x+1371)/(x-1) lgdogf  
A031715 5.74301 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1371, a(1) = 5480, a(2) = 12327}, ogf]  
A031716 22.7273 -3\*(241+120\*x)/(180\*x+181)/(x-1) lgdogf  
A031717 11.9907 [- (1519\*x+1523)/(x-1)^3 ogf]  
A031717 19.2735 -2\*(3044+1519\*x)/(1519\*x+1523)/(x-1) lgdogf  
A031717 5.79877 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1523, a(1) = 6088, a(2) = 13695}, ogf]  
A031718 18.1637 [- (399\*x+401)/(x-1)^3 ogf]  
A031718 21.9858 -6\*(267+133\*x)/(399\*x+401)/(x-1) lgdogf  
A031718 8.62775 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 401, a(1) = 1602, a(2) = 3603}, ogf]  
A031719 12.1060 [- (1679\*x+1683)/(x-1)^3 ogf]  
A031719 19.4624 -2\*(3364+1679\*x)/(1679\*x+1683)/(x-1) lgdogf  
A031719 5.85452 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1683, a(1) = 6728, a(2) = 15135}, ogf]  
A031720 23.4515 -(883+440\*x)/(220\*x+221)/(x-1) lgdogf  
A031721 12.1636 [- (1847\*x+1851)/(x-1)^3 ogf]  
A031721 19.5569 -2\*(3700+1847\*x)/(1847\*x+1851)/(x-1) lgdogf  
A031721 5.88240 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1851, a(1) = 7400, a(2) = 16647}, ogf]  
A031722 12.6469 [- (483\*x+485)/(x-1)^3 ogf]  
A031722 22.0941 -6\*(323+161\*x)/(483\*x+485)/(x-1) lgdogf  
A031722 6.00728 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 485, a(1) = 1938, a(2) = 4359}, ogf]  
A031723 12.2213 [- (2023\*x+2027)/(x-1)^3 ogf]  
A031723 19.6514 -2\*(4052+2023\*x)/(2023\*x+2027)/(x-1) lgdogf  
A031723 5.91028 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 2027, a(1) = 8104, a(2) = 18231}, ogf]  
A031724 12.7077 [- 2\*(264\*x+265)/(x-1)^3 ogf]  
A031724 22.2024 -3\*(353+176\*x)/(264\*x+265)/(x-1) lgdogf  
A031724 6.03617 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 530, a(1) = 2118, a(2) = 4764}, ogf]  
A031725 12.3366 [- (2207\*x+2211)/(x-1)^3 ogf]  
A031725 19.8403 -2\*(4420+2207\*x)/(2207\*x+2211)/(x-1) lgdogf  
A031725 5.96604 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 2211, a(1) = 8840, a(2)

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= 19887}], ogf]
A031726 12.7077 [ -(575*x+577)/(x-1)^3 ogf]
A031726 21.5296 -2*(1153+575*x)/(575*x+577)/(x-1) lgdogf
A031726 6.03617 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 577, a(1) = 2306, a(2) =
5187}], ogf]
A031727 12.3942 [ -(2399*x+2403)/(x-1)^3 ogf]
A031727 19.9348 -2*(4804+2399*x)/(2399*x+2403)/(x-1) lgdogf
A031727 5.99392 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2403, a(1) = 9608, a(2)
= 21615}], ogf]
A031728 12.8293 [ -2*(312*x+313)/(x-1)^3 ogf]
A031728 22.4190 -3*(417+208*x)/(312*x+313)/(x-1) lgdogf
A031728 6.09392 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 626, a(1) = 2502, a(2) =
5628}], ogf]
A031729 12.5095 [ -(2599*x+2603)/(x-1)^3 ogf]
A031729 20.1238 -2*(5204+2599*x)/(2599*x+2603)/(x-1) lgdogf
A031729 6.00049 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2603, a(1) = 10408, a(2)
= 23415}], ogf]
A031730 12.8293 [ -(675*x+677)/(x-1)^3 ogf]
A031730 22.4190 -6*(451+225*x)/(675*x+677)/(x-1) lgdogf
A031730 6.09392 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 677, a(1) = 2706, a(2) =
6087}], ogf]
A031731 12.0424 [ -(2807*x+2811)/(x-1)^3 ogf]
A031731 19.3620 -2*(5620+2807*x)/(2807*x+2811)/(x-1) lgdogf
A031731 5.77642 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2811, a(1) = 11240, a(2)
= 25287}], ogf]
A031732 12.8901 [ -2*(364*x+365)/(x-1)^3 ogf]
A031732 23.2540 -(1459+728*x)/(364*x+365)/(x-1) lgdogf
A031732 6.12281 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 730, a(1) = 2918, a(2) =
6564}], ogf]
A031733 12.0424 [ -(3023*x+3027)/(x-1)^3 ogf]
A031733 19.3620 -2*(6052+3023*x)/(3023*x+3027)/(x-1) lgdogf
A031733 5.77642 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3027, a(1) = 12104, a(2)
= 27231}], ogf]
A031734 12.8901 [ -(783*x+785)/(x-1)^3 ogf]
A031734 22.5273 -6*(523+261*x)/(783*x+785)/(x-1) lgdogf
A031734 6.12281 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 785, a(1) = 3138, a(2) =
7059}], ogf]
A031735 12.0995 [ -(3247*x+3251)/(x-1)^3 ogf]
A031735 19.4555 -2*(6500+3247*x)/(3247*x+3251)/(x-1) lgdogf
A031735 5.80380 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3251, a(1) = 13000, a(2)
= 29247}], ogf]
A031736 12.9509 [ -2*(420*x+421)/(x-1)^3 ogf]
A031736 22.6356 -3*(561+280*x)/(420*x+421)/(x-1) lgdogf
A031736 6.15169 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 842, a(1) = 3366, a(2) =
7572}], ogf]
A031737 12.1565 [ -(3479*x+3483)/(x-1)^3 ogf]
A031737 19.5490 -2*(6964+3479*x)/(3479*x+3483)/(x-1) lgdogf
A031737 5.83118 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3483, a(1) = 13928, a(2)
= 31335}], ogf]
A031738 12.9509 [ -(899*x+901)/(x-1)^3 ogf]
A031738 21.9497 -2*(1801+899*x)/(899*x+901)/(x-1) lgdogf
A031738 6.15169 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 901, a(1) = 3602, a(2) =
8103}], ogf]
A031739 12.1565 [ -(3719*x+3723)/(x-1)^3 ogf]
A031739 19.5490 -2*(7444+3719*x)/(3719*x+3723)/(x-1) lgdogf
A031739 5.83118 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3723, a(1) = 14888, a(2)
= 33495}], ogf]
A031740 12.9509 [ -2*(480*x+481)/(x-1)^3 ogf]
A031740 22.6356 -3*(641+320*x)/(480*x+481)/(x-1) lgdogf
A031740 6.15169 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 962, a(1) = 3846, a(2) =
8652}], ogf]

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A031741 12.2136 [  $-(3967x+3971)/(x-1)^3$  ogf]  
A031741 19.6426  $-2*(7940+3967x)/(3967x+3971)/(x-1)$  lgdogf  
A031741 5.85855 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 3971, a(1) = 15880, a(2) = 35727\}$ , ogf]  
A031742 12.6881 [  $-(1023x+1025)/(x-1)^3$  ogf]  
A031742 21.6099  $-6*(683+341x)/(1023x+1025)/(x-1)$  lgdogf  
A031742 6.18678 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1025, a(1) = 4098, a(2) = 9219\}$ , ogf]  
A031743 12.2707 [  $-(4223x+4227)/(x-1)^3$  ogf]  
A031743 19.7361  $-2*(8452+4223x)/(4223x+4227)/(x-1)$  lgdogf  
A031743 5.88593 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 4227, a(1) = 16904, a(2) = 38031\}$ , ogf]  
A031744 12.7469 [  $-2*(544x+545)/(x-1)^3$  ogf]  
A031744 23.0688  $-(2179+1088x)/(544x+545)/(x-1)$  lgdogf  
A031744 6.21542 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1090, a(1) = 4358, a(2) = 9804\}$ , ogf]  
A031745 12.3277 [  $-(4487x+4491)/(x-1)^3$  ogf]  
A031745 19.8297  $-2*(8980+4487x)/(4487x+4491)/(x-1)$  lgdogf  
A031745 5.91331 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 4491, a(1) = 17960, a(2) = 40407\}$ , ogf]  
A031746 12.2809 [  $-(1155x+1157)/(x-1)^3$  ogf]  
A031746 20.9069  $-6*(771+385x)/(1155x+1157)/(x-1)$  lgdogf  
A031746 5.93911 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1157, a(1) = 4626, a(2) = 10407\}$ , ogf]  
A031747 12.3277 [  $-(4759x+4763)/(x-1)^3$  ogf]  
A031747 19.8297  $-2*(9524+4759x)/(4759x+4763)/(x-1)$  lgdogf  
A031747 5.91331 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 4763, a(1) = 19048, a(2) = 42855\}$ , ogf]  
A031748 11.7601 [  $-2*(612x+613)/(x-1)^3$  ogf]  
A031748 21.2575  $-3*(817+408x)/(612x+613)/(x-1)$  lgdogf  
A031748 5.68725 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1226, a(1) = 4902, a(2) = 11028\}$ , ogf]  
A031749 12.3277 [  $-(5039x+5043)/(x-1)^3$  ogf]  
A031749 19.2937  $-2*(10084+5039x)/(5039x+5043)/(x-1)$  lgdogf  
A031749 5.91331 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 5043, a(1) = 20168, a(2) = 45375\}$ , ogf]  
A031750 11.8754 [  $-(1295x+1297)/(x-1)^3$  ogf]  
A031750 19.0845  $-2*(2593+1295x)/(1295x+1297)/(x-1)$  lgdogf  
A031750 5.74301 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1297, a(1) = 5186, a(2) = 11667\}$ , ogf]  
A031751 12.3848 [  $-(5327x+5331)/(x-1)^3$  ogf]  
A031751 19.3847  $-2*(10660+5327x)/(5327x+5331)/(x-1)$  lgdogf  
A031751 5.94068 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 5331, a(1) = 21320, a(2) = 47967\}$ , ogf]  
A031752 11.8754 [  $-2*(684x+685)/(x-1)^3$  ogf]  
A031752 21.4701  $-3*(913+456x)/(684x+685)/(x-1)$  lgdogf  
A031752 5.74301 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1370, a(1) = 5478, a(2) = 12324\}$ , ogf]  
A031753 12.3848 [  $-(5623x+5627)/(x-1)^3$  ogf]  
A031753 19.3847  $-2*(11252+5623x)/(5623x+5627)/(x-1)$  lgdogf  
A031753 5.94068 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 5627, a(1) = 22504, a(2) = 50631\}$ , ogf]  
A031754 11.9330 [  $-(1443x+1445)/(x-1)^3$  ogf]  
A031754 20.3072  $-6*(963+481x)/(1443x+1445)/(x-1)$  lgdogf  
A031754 5.77089 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1445, a(1) = 5778, a(2) = 12999\}$ , ogf]  
A031755 12.4419 [  $-(5927x+5931)/(x-1)^3$  ogf]  
A031755 19.4757  $-2*(11860+5927x)/(5927x+5931)/(x-1)$  lgdogf  
A031755 5.96806 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 5931, a(1) = 23720, a(2) = 53367\}$ , ogf]  
A031756 11.9907 [  $-2*(760x+761)/(x-1)^3$  ogf]

A031756 21.6826  $-(3043+1520*x)/(760*x+761)/(x-1)$  lgdogf  
A031756 5.79877  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1522, a(1) = 6086, a(2) = 13692}],$  ogf]  
A031757 12.4419  $[ -(6239*x+6243)/(x-1)^3$  ogf]  
A031757 19.4757  $-2*(12484+6239*x)/(6239*x+6243)/(x-1)$  lgdogf  
A031757 5.96806  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 6243, a(1) = 24968, a(2) = 56175}],$  ogf]  
A031758 12.1060  $[ -(1599*x+1601)/(x-1)^3$  ogf]  
A031758 20.0185  $-6*(1067+533*x)/(1599*x+1601)/(x-1)$  lgdogf  
A031758 5.85452  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1601, a(1) = 6402, a(2) = 14403}],$  ogf]  
A031759 11.9168  $[ -(6559*x+6563)/(x-1)^3$  ogf]  
A031759 18.6423  $-2*(13124+6559*x)/(6559*x+6563)/(x-1)$  lgdogf  
A031759 5.71621  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 6563, a(1) = 26248, a(2) = 59055}],$  ogf]  
A031760 12.1060  $[ -2*(840*x+841)/(x-1)^3$  ogf]  
A031760 21.2317  $-3*(1121+560*x)/(840*x+841)/(x-1)$  lgdogf  
A031760 5.85452  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1682, a(1) = 6726, a(2) = 15132}],$  ogf]  
A031761 11.9168  $[ -(6887*x+6891)/(x-1)^3$  ogf]  
A031761 18.6423  $-2*(13780+6887*x)/(6887*x+6891)/(x-1)$  lgdogf  
A031761 5.71621  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 6891, a(1) = 27560, a(2) = 62007}],$  ogf]  
A031762 12.1636  $[ -(1763*x+1765)/(x-1)^3$  ogf]  
A031762 19.5569  $-2*(3529+1763*x)/(1763*x+1765)/(x-1)$  lgdogf  
A031762 5.88240  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1765, a(1) = 7058, a(2) = 15879}],$  ogf]  
A031763 11.9733  $[ -(7223*x+7227)/(x-1)^3$  ogf]  
A031763 18.7324  $-2*(14452+7223*x)/(7223*x+7227)/(x-1)$  lgdogf  
A031763 5.74330  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 7227, a(1) = 28904, a(2) = 65031}],$  ogf]  
A031764 12.1636  $[ -2*(924*x+925)/(x-1)^3$  ogf]  
A031764 21.3348  $-3*(1233+616*x)/(924*x+925)/(x-1)$  lgdogf  
A031764 5.88240  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1850, a(1) = 7398, a(2) = 16644}],$  ogf]  
A031765 11.9733  $[ -(7567*x+7571)/(x-1)^3$  ogf]  
A031765 18.7324  $-2*(15140+7567*x)/(7567*x+7571)/(x-1)$  lgdogf  
A031765 5.74330  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 7571, a(1) = 30280, a(2) = 68127}],$  ogf]  
A031766 12.2213  $[ -(1935*x+1937)/(x-1)^3$  ogf]  
A031766 20.2128  $-6*(1291+645*x)/(1935*x+1937)/(x-1)$  lgdogf  
A031766 5.91028  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1937, a(1) = 7746, a(2) = 17427}],$  ogf]  
A031767 11.9733  $[ -(7919*x+7923)/(x-1)^3$  ogf]  
A031767 18.7324  $-2*(15844+7919*x)/(7919*x+7923)/(x-1)$  lgdogf  
A031767 5.74330  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 7923, a(1) = 31688, a(2) = 71295}],$  ogf]  
A031768 12.2213  $[ -2*(1012*x+1013)/(x-1)^3$  ogf]  
A031768 20.8073  $-(4051+2024*x)/(1012*x+1013)/(x-1)$  lgdogf  
A031768 5.91028  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2026, a(1) = 8102, a(2) = 18228}],$  ogf]  
A031769 12.0298  $[ -(8279*x+8283)/(x-1)^3$  ogf]  
A031769 18.8224  $-2*(16564+8279*x)/(8279*x+8283)/(x-1)$  lgdogf  
A031769 5.77040  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 8283, a(1) = 33128, a(2) = 74535}],$  ogf]  
A031770 12.3366  $[ -(2115*x+2117)/(x-1)^3$  ogf]  
A031770 20.4072  $-6*(1411+705*x)/(2115*x+2117)/(x-1)$  lgdogf  
A031770 5.96604  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2117, a(1) = 8466, a(2) = 19047}],$  ogf]  
A031771 12.0298  $[ -(8647*x+8651)/(x-1)^3$  ogf]  
A031771 18.8224  $-2*(17300+8647*x)/(8647*x+8651)/(x-1)$  lgdogf



A031771 5.77040  $[ \{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 8651, a(1) = 34600, a(2) = 77847\}, \text{ogf}]$   
A031772 12.3366  $[ -2*(1104*x+1105)/(x-1)^3 \text{ogf}]$   
A031772 20.4072  $-3*(1473+736*x)/(1104*x+1105)/(x-1) \text{lgdogf}$   
A031772 5.96604  $[ \{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 2210, a(1) = 8838, a(2) = 19884\}, \text{ogf}]$   
A031773 12.0298  $[ -(9023*x+9027)/(x-1)^3 \text{ogf}]$   
A031773 18.8224  $-2*(18052+9023*x)/(9023*x+9027)/(x-1) \text{lgdogf}$   
A031773 5.77040  $[ \{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 9027, a(1) = 36104, a(2) = 81231\}, \text{ogf}]$   
A031774 12.3942  $[ -(2303*x+2305)/(x-1)^3 \text{ogf}]$   
A031774 19.9348  $-2*(4609+2303*x)/(2303*x+2305)/(x-1) \text{lgdogf}$   
A031774 5.99392  $[ \{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 2305, a(1) = 9218, a(2) = 20739\}, \text{ogf}]$   
A031775 12.0298  $[ -(9407*x+9411)/(x-1)^3 \text{ogf}]$   
A031775 18.8224  $-2*(18820+9407*x)/(9407*x+9411)/(x-1) \text{lgdogf}$   
A031775 5.77040  $[ \{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 9411, a(1) = 37640, a(2) = 84687\}, \text{ogf}]$   
A031776 12.3942  $[ -2*(1200*x+1201)/(x-1)^3 \text{ogf}]$   
A031776 20.5044  $-3*(1601+800*x)/(1200*x+1201)/(x-1) \text{lgdogf}$   
A031776 5.99392  $[ \{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 2402, a(1) = 9606, a(2) = 21612\}, \text{ogf}]$   
A031777 12.0298  $[ -(9799*x+9803)/(x-1)^3 \text{ogf}]$   
A031777 18.8224  $-2*(19604+9799*x)/(9799*x+9803)/(x-1) \text{lgdogf}$   
A031777 5.77040  $[ \{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 9803, a(1) = 39208, a(2) = 88215\}, \text{ogf}]$   
A031778 12.5095  $[ -(2499*x+2501)/(x-1)^3 \text{ogf}]$   
A031778 20.6987  $-6*(1667+833*x)/(2499*x+2501)/(x-1) \text{lgdogf}$   
A031778 6.00049  $[ \{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 2501, a(1) = 10002, a(2) = 22503\}, \text{ogf}]$   
A031876 6.90121  $(-2+5*x^7-7*x^6+24*x^26-26*x^25)/(x-1)/(x^2+x+1)/(x^24-x^23+x^21-x^20+x^18-x^17+x^15-x^14+x^12-x^11+x^9-x^8+x^6-x^4+x^3-x+1) \text{lgdogf}$   
A031878 16.2863  $-(3+7*x+2*x^4+x^3+11*x^2)/(x-1)/(1+x)/(x^3+2*x+1) \text{lgdogf}$   
A031878 9.99925  $[ -x*(x^3+2*x+1)/(x+1)^2/(x-1)^3 \text{ogf}]$   
A031940 5.75148  $[ -(x^4-x^3+x^2+2*x+1)/(x+1)^2/(x-1)^3 \text{ogf}]$   
A031940 8.52676  $-(3+9*x+x^5-x^4+6*x^3+6*x^2)/(-1+x)/(x+1)/(x^4-x^3+x^2+2*x+1) \text{lgdogf}$   
A031954 6.44501  $[ -(8*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-9)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 \text{ogf}]$   
A031982 11.2372  $-(-10001+20000*x)/(10000*x-1)/(x-1) \text{lgdogf}$   
A031997 4.93527  $[ (5849160*x^8-5534076*x^7-315084*x^6-10*x^2+1)/(10*x-1)/(x-1) \text{ogf}]$   
A032031 32.8095  $[ -1/(3*x-1) \text{egf}]$   
A032031 39.8365  $1/3-1/3*\exp(-3*x) \text{reveg}$   
A032031 61.5656  $-3/(-1+3*x) \text{lgdeg}$   
A032031 7.82953  $[ \{(-3*n-6)*a(n+1)+a(n+2), a(0) = 1, a(1) = 3\}, \text{ogf}]$   
A032037 13.8630  $-(x-3+(x^2+1-6*x)^(1/2))/(x^2+1-6*x) \text{lgdeg}$   
A032037 29.3568  $x*(-1+2*x)/(-1+x) \text{reveg}$   
A032069 4.21350  $[ 2*(16*x^6-16*x^5-14*x^4+16*x^3-x^2-3*x+1)/(2*x-1)^2/(2*x^2-1)^2 \text{egf}]$   
A032070 4.02252  $[ 3*(3*x^2+x-1)*(27*x^4-27*x^3+3*x-1)/(3*x-1)^2/(3*x^2-1)^2 \text{egf}]$   
A032071 3.45580  $[ 4*(256*x^6-128*x^5-136*x^4+64*x^3+2*x^2-5*x+1)/(2*x+1)^2/(2*x-1)^2/(4*x-1)^2 \text{egf}]$   
A032072 3.45277  $[ 5*(625*x^6-250*x^5-275*x^4+100*x^3+5*x^2-6*x+1)/(5*x-1)^2/(5*x^2-1)^2 \text{egf}]$   
A032085 10.8220  $-(1+8*x^3-2*x^2)/(2*x-1)/(2*x^2-1)/(8*x^3-4*x^2-3*x+2) \text{lgdogf}$   
A032085 4.61223  $[ \{a(n+4)-2a(n+3)-2a(n+2)+4a(n+1), a(0) = 2, a(1) = 1, a(2) = 2, a(3) = 6\}, \text{ogf}]$   
A032085 8.82341  $[ (8*x^3-4*x^2-3*x+2)/(2*x-1)/(2*x^2-1) \text{ogf}]$   
A032086 10.5188  $-(1+18*x^3-3*x^2)/(3*x-1)/(3*x^2-1)/(9*x^3-3*x^2-2*x+1) \text{lgdogf}$   
A032086 4.52580  $[ \{a(n+4)-3a(n+3)-3a(n+2)+9a(n+1), a(0) = 3, a(1) = 3, a(2) =$

9, a(3) = 36}, ogf]  
 A032086 8.59901 [ 3\*(9\*x^3-3\*x^2-2\*x+1)/(3\*x-1)/(3\*x^2-1) ogf]  
 A032087 10.0535 [ 2\*(32\*x^3-8\*x^2-5\*x+2)/(2\*x+1)/(2\*x-1)/(4\*x-1) ogf]  
 A032087 5.39636 [{a(n+4)-4\*a(n+3)-4\*a(n+2)+16\*a(n+1), a(0) = 4, a(1) = 6, a(2) = 24, a(3) = 120}, ogf]  
 A032088 3.78293 [{a(n+4)-5\*a(n+3)-5\*a(n+2)+25\*a(n+1), a(0) = 5, a(1) = 10, a(2) = 50, a(3) = 300}, ogf]  
 A032088 7.00353 [ 5\*(25\*x^3-5\*x^2-3\*x+1)/(5\*x-1)/(5\*x^2-1) ogf]  
 A032088 8.58099 -2\*(-1+50\*x^3-5\*x^2)/(5\*x-1)/(5\*x^2-1)/(25\*x^3-5\*x^2-3\*x+1) lgdogf  
 A032089 5.69889 -x\*(3\*x^5-17\*x^7-2\*x^6-x-8\*x^2+4\*x^3+8\*x^4+10\*x^9+x^11+2\*x^12+2)/(x-1)/(x+1)/(x^2+x-1)/(x^4+x^2-1)/(x^6+2\*x^3-2\*x^2-x+1) lgdogf  
 A032089 6.37413 [ -(x^6+2\*x^3-2\*x^2-x+1)/(x-1)/(x+1)/(x^2+x-1)/(x^4+x^2-1) ogf]  
 A032090 5.56160 [ -x\*(x^6+x^5-x^4+2\*x^3-2\*x^2-x+1)/(x-1)/(x^2+x-1)/(x^4+x^2-1) ogf]  
 A032090 5.61052 -(-2\*x-x^6+x^12-2\*x^10-2\*x^3-x^8-8\*x^7+2\*x^11+6\*x^9+7\*x^4+1)/(x-1)/(x^2+x-1)/(x^4+x^2-1)/(x^6+x^5-x^4+2\*x^3-2\*x^2-x+1) lgdogf  
 A032091 11.2836 [ -2/(x+1)^2/(x-1)^5 ogf]  
 A032091 38.9786 [[3+2\*x] ogf\_with\_Euler\_transform]  
 A032091 6.10150 [{(n+3)\*a(n+3)-3\*a(n+2)+(-8-n)\*a(n+1), a(0) = 2, a(1) = 6, a(2) = 16}, ogf]  
 A032092 15.6536 -(9+29\*x+7\*x^3+3\*x^2)/(x-1)/(1+x)/(x^2+3) lgdogf  
 A032092 9.09716 [ (x^2+3)/(x+1)^3/(x-1)^6 ogf]  
 A032093 15.8558 -4\*(3+8\*x+2\*x^3+x^2)/(x-1)/(1+x)/(x^2+3) lgdogf  
 A032093 6.00086 [ -(x^2+3)/(x+1)^3/(x-1)^7 ogf]  
 A032094 15.1734 -2\*(2+7\*x+2\*x^2+5\*x^3)/(-1+x)/(x+1)/(1+x^2) lgdogf  
 A032094 26.4047 [[-x^3+5\*x+4] ogf\_with\_Euler\_transform]  
 A032094 5.63703 [ 4\*(x^2+1)/(x+1)^4/(x-1)^8 ogf]  
 A032096 6.43776 -(3-8\*x+135\*x^6-72\*x^5+72\*x^3-87\*x^4-11\*x^2)/(x-1)/(-1+3\*x)/(3\*x^2-1)/(15\*x^3-4\*x^2-5\*x+2) lgdogf  
 A032096 8.34189 [ -(15\*x^3-4\*x^2-5\*x+2)/(3\*x-1)/(x-1)/(3\*x^2-1) ogf]  
 A032097 6.93075 (2-10\*x+x^6+10\*x^5-4\*x^7-x^4-18\*x^3+x^8+20\*x^2)/(x-1)/(1+x^2-3\*x)/(x^2+x-1)/(x^5-4\*x^4+x^3+9\*x^2-8\*x+2) lgdogf  
 A032097 7.20136 [ (x^5-4\*x^4+x^3+9\*x^2-8\*x+2)/(x-1)/(x^2-3\*x+1)/(x^2+x-1) ogf]  
 A032098 4.85347 [{a(n+3)-7\*a(n+2)+14\*a(n+1)-8\*a(n), a(0) = 3, a(1) = 6, a(2) = 21}, ogf]  
 A032098 8.19594 -(2-14\*x+56\*x^4-80\*x^3+45\*x^2)/(x-1)/(2\*x-1)/(4\*x-1)/(7\*x^2-5\*x+1) lgdogf  
 A032098 8.64525 [ -3\*(7\*x^2-5\*x+1)/(2\*x-1)/(4\*x-1)/(x-1) ogf]  
 A032099 5.08108 [ (x^6-3\*x^5+5\*x^3-3\*x+1)/(x^2-3\*x+1)/(x^2+x-1)/(x^2-x-1)/(x-1)^2 ogf]  
 A032100 5.61440 [ (3\*x^6-4\*x^5+11\*x^4+2\*x^3-3\*x^2-2\*x+1)/(3\*x-1)/(3\*x^2-1)/(x-1)^2 ogf]  
 A032107 17.8387 1/2+1/2\*x-1/2\*(1+x^2)^(1/2) revegf  
 A032107 20.0686 -2/(2\*x-1)/(2\*x^2-2\*x+1) lgdegf  
 A032107 3.42347 [{(-4\*n^2-8\*n)\*a(n)+(2\*n^2+12\*n+12)\*a(n+1)+(-n-2)\*a(n+2), a(0) = 2, a(1) = 4}, ogf]  
 A032107 9.30149 [ 2\*(2\*x^2-2\*x+1)/(2\*x-1)^2 egf]  
 A032108 17.7651 1/3+1/3\*x-1/3\*(1+x^2)^(1/2) revegf  
 A032108 19.9858 -6/(3\*x-1)/(9\*x^2-6\*x+2) lgdegf  
 A032108 3.38447 [{(-9\*n^2-18\*n)\*a(n)+(3\*n^2+18\*n+18)\*a(n+1)+(-n-2)\*a(n+2), a(0) = 3, a(1) = 9}, ogf]  
 A032108 8.60961 [ 3/2\*(9\*x^2-6\*x+2)/(3\*x-1)^2 egf]  
 A032119 14.0086 -(x-2+(x^2-4\*x+1)^(1/2))/(x^2-4\*x+1) lgdegf  
 A032119 24.0148 1/2\*x\*(-2+3\*x)/(-1+x) revegf  
 A032120 10.7686 -(2+18\*x^3+27\*x^4-21\*x^2)/(3\*x-1)/(3\*x^2-1)/(3\*x^2+x-1) lgdogf  
 A032120 5.35530 [{a(n+3)-3\*a(n+2)-3\*a(n+1)+9\*a(n), a(0) = 3, a(1) = 6, a(2) = 18}, ogf]  
 A032120 9.92048 [ -3\*(3\*x^2+x-1)/(3\*x-1)/(3\*x^2-1) ogf]  
 A032121 11.7004 [ -2\*(8\*x^2+3\*x-2)/(2\*x+1)/(2\*x-1)/(4\*x-1) ogf]

A032121 6.40977 [ $\{a(n+3)-4*a(n+2)-4*a(n+1)+16*a(n), a(0) = 4, a(1) = 10, a(2) = 40\}$ , ogf]  
A032121 8.59695  $-(5+96*x^3-76*x^2+128*x^4)/(2*x+1)/(2*x-1)/(4*x-1)/(8*x^2+3*x-2)$  lgdogf  
A032122 4.50662 [ $\{a(n+3)-5*a(n+2)-5*a(n+1)+25*a(n), a(0) = 5, a(1) = 15, a(2) = 75\}$ , ogf]  
A032122 8.03616  $-(5*x+1)*(25*x^3+15*x^2-15*x+3)/(5*x-1)/(5*x^2-1)/(5*x^2+2*x-1)$  lgdogf  
A032122 8.09783 [ $-5*(5*x^2+2*x-1)/(5*x-1)/(5*x^2-1)$  ogf]  
A032124 12.3455 [ $-(9*x^2+x-2)/(3*x-1)/(3*x^2-1)$  ogf]  
A032124 12.5381  $-(5-6*x+18*x^3+81*x^4-30*x^2)/(3*x-1)/(3*x^2-1)/(9*x^2+x-2)$  lgdogf  
A032124 6.66440 [ $\{a(n+3)-3*a(n+2)-3*a(n+1)+9*a(n), a(0) = 2, a(1) = 5, a(2) = 12\}$ , ogf]  
A032125 14.9015 [ $-3*(3*x-1)/(4*x-1)/(2*x-1)$  ogf]  
A032125 16.4464  $-(3-16*x+24*x^2)/(3*x-1)/(2*x-1)/(4*x-1)$  lgdogf  
A032125 8.17767 [ $\{a(n+2)-6*a(n+1)+8*a(n), a(0) = 3, a(1) = 9\}$ , ogf]  
A032125 9.53415  $1/4*\ln(8*x+9)-1/2*\operatorname{arctanh}(2/3*(6*x+9)^{1/2})-1/2*\ln(3)+1/2*\operatorname{arctanh}(2)$  revevfg  
A032126 5.47291  $-(3+6*x+36*x^6+30*x^5-12*x^3-3*x^8-20*x^7-51*x^4+12*x^2+2*x^9)/(x^2-3*x+1)/(x^2+x-1)/(x^2-x-1)/(x^4-5*x^2+1)$  lgdogf  
A032126 6.85090 [ $(x^4-5*x^2+1)/(x^2-3*x+1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A032127 10.0156  $(-4+6*x+21*x^2-96*x^4-18*x^5+27*x^6)/(3*x-1)/(3*x^2-1)/(3*x^4+5*x^3+6*x^2-x-1)$  lgdogf  
A032127 10.3206 [ $-(3*x^4+5*x^3+6*x^2-x-1)/(3*x-1)/(3*x^2-1)$  ogf]  
A032127 5.44303 [ $\{a(n+5)-3*a(n+4)-3*a(n+3)+9*a(n+2), a(0) = 1, a(1) = 4, a(2) = 9, a(3) = 25, a(4) = 63\}$ , ogf]  
A032179 28.3844 [ $-3/(3*x-1)$  egf]  
A032179 46.5222  $1/3-1/3*\exp(-x)$  revevfg  
A032179 63.4393  $-3/(-1+3*x)$  lgdegf  
A032179 8.06375 [ $\{(-3*n-6)*a(n+1)+a(n+2), a(0) = 3, a(1) = 9\}$ , ogf]  
A032180 6.42646  $(-21+350*x+4320*x^5-8820*x^4+6496*x^3-2205*x^2)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  lgdogf  
A032180 7.69561 [ $120/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A032184 18.8650 [ $-(2*x+1)/(2*x-1)$  egf]  
A032184 29.0643  $-4/(2*x-1)/(1+2*x)$  lgdegf  
A032184 4.91553 [ $\{(4*n^2+4*n)*a(n)+(2*n^2+6*n+8)*a(n+1)+(-n-2)*a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A032192 3.59358 [ $-(x^6-5*x^5+13*x^4-17*x^3+13*x^2-5*x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^7$  ogf]  
A032246 10.9255  $-(2+8*x+8*x^2+8*x^3+13*x^4+11*x^5)/(-1+x)/(x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A032246 24.8425 [ $[x^4+2*x+2]$  ogf\_with\_Euler\_transform]  
A032246 6.77671 [ $-2/(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A032247 3.94938 [ $(x^8-2*x^7+2*x^6+4*x^4+4*x^2+3)/(x^2+1)/(x^2-x+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^6$  ogf]  
A032248 3.81356 [ $-(x^6-2*x^5+x^4+4*x^3-2*x^2-2*x+4)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^3/(x-1)^7$  ogf]  
A032249 6.60315  $-2*(7+14*x-11*x^6+42*x^5+50*x^3+6*x^7-39*x^4-5*x^2)/(x-1)/(1+x)/(x^2+1)/(x^4-2*x^3+6*x^2-6*x+5)$  lgdogf  
A032261 12.6820 [ $3/2*(9*x^2-2)/(3*x-1)$  egf]  
A032261 15.7973  $3*(2-6*x+9*x^2)/(3*x-1)/(9*x^2-2)$  lgdegf  
A032263 12.8609 [ $3*x^3/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A032279 4.99740 [ $-(x^6-x^5+2*x^3-x+1)/(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A032279 5.97934  $-(1+5*x+20*x^7+6*x^6+14*x^5+6*x^2+10*x^3+16*x^4+x^10+5*x^11+16*x^8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^6-x^5+2*x^3-x+1)$  lgdogf  
A032280 3.85299 [ $-(4*x^6-2*x^5-2*x^4+4*x^3+x^2-2*x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^3/(x-1)^7$  ogf]  
A032343 13.6450  $-2*(-7+19*x+15*x^2)/(-1+x)/(10*x-1)/(x+1)$  lgdogf  
A032343 8.23590 [ $x*(x+1)/(10*x-1)/(x-1)^3$  ogf]

A032349 32.7866  $x^{*}(-1+x)^2/(x+1)^2$  revogf  
A032357 16.8088  $1/2/x^{*2}(-1+x-2*x^2+(1-2*x+5*x^2)^{(1/2)})$  revogf  
A032357 4.54826  $[ \{ (4*n+10)*a(n+1)+(3*n+6)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 2 \},$  ogf]  
A032438 18.0879  $-(5+19*x+3*x^3+9*x^2)/(x-1)/(x+1)/(x^2+2*x+3)$  lgdogf  
A032438 9.66892  $[ -x^{*2}(x^2+2*x+3)/(x+1)^2/(x-1)^3$  ogf]  
A032440 5.04291  $[ -(2*x^6+6*x^5-12*x^4-10*x^3+8*x^2+3*x-1)/(x-1)/(x^2+x-1)/(x^2+4*x-1)/(x^2-x-1)$  ogf]  
A032441 5.47215  $[ -(2*x^5-3*x^4-6*x^3+4*x^2+2*x-1)/(x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A032443 4.88715  $[ \{ (-16*n-24)*a(n+1)+(8*n+18)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 11 \},$  ogf]  
A032509 4.94701  $[ -x^{*}(x^{14}-x^{13}+x^{11}-x^{10}-x^9-x^7-x^6-x^4-x^3-x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A032512 17.3844  $[ x^{*}(x+1)^*(x^4-x^3+x^2-x+1)^*(x^2-x+1)^*(x^8+x^7-x^5-x^4-x^3+x+1)/(x-1)^2$  ogf]  
A032512 9.96001  $(-2+13*x^{15}-15*x^{14})/(x-1)/(x+1)/(x^2-x+1)/(x^4-x^3+x^2-x+1)/(x^8+x^7-x^5-x^4-x^3+x+1)$  lgdogf  
A032517 10.0437  $2*(-1+10*x^{22}-11*x^{21})/(x-1)/(x^2+1)/(x^{20}-x^{18}+x^{16}-x^{14}+x^{12}-x^{10}+x^8-x^6+x^4-x^2+1)$  lgdogf  
A032517 17.5292  $[ x^{*}(x^2+1)^*(x^{20}-x^{18}+x^{16}-x^{14}+x^{12}-x^{10}+x^8-x^6+x^4-x^2+1)/(x-1)^2$  ogf]  
A032518 10.0357  $[ x^{*}(x^{28}-x^{10}-1)/(x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)/(x^{12}-x^{10}+x^8-x^6+x^4-x^2+1)/(x-1)^3$  ogf]  
A032518 6.64452  $2*(-1805-6300*x^{20}+6650*x^{19}+6859*x^{28}+3920*x^{30}-4900*x^{29}+8550*x^{10}-9025*x^9)/(x-1)/(980*x^{30}-6859*x^{28}-350*x^{20}+475*x^{10}+1805)$  lgdogf  
A032520 15.2279  $2*(-1+9*x^{20}-10*x^{19})/(x-1)/(x^4+1)/(x^{16}-x^{12}+x^8-x^4+1)$  lgdogf  
A032520 17.6139  $[ x^{*}(x^4+1)^*(x^{16}-x^{12}+x^8-x^4+1)/(x-1)^2$  ogf]  
A032521 11.7163  $(-2+23*x^{25}-25*x^{24})/(x-1)/(x+1)/(x^4-x^3+x^2-x+1)/(x^{20}-x^{15}+x^{10}-x^5+1)$  lgdogf  
A032521 17.3599  $[ x^{*}(x+1)^*(x^4-x^3+x^2-x+1)^*(x^{20}-x^{15}+x^{10}-x^5+1)/(x-1)^2$  ogf]  
A032525 12.9238  $[ -x^{*}(3*x^2+8*x+3)/(x+1)/(x-1)^3$  ogf]  
A032525 16.5687  $-2*(7+17*x+3*x^3+15*x^2)/(x-1)/(x+1)/(3*x^2+8*x+3)$  lgdogf  
A032526 11.9571  $[ -2*x^{*}(x^2+3*x+1)/(x+1)/(x-1)^3$  ogf]  
A032526 16.6463  $-(5+12*x+2*x^3+11*x^2)/(x-1)/(1+x)/(x^2+3*x+1)$  lgdogf  
A032527 12.6990  $[ -x^{*}(x^2+3*x+1)/(x+1)/(x-1)^3$  ogf]  
A032527 13.6506  $-(5+12*x+2*x^3+11*x^2)/(x-1)/(x+1)/(x^2+3*x+1)$  lgdogf  
A032528 13.2472  $[ -x^{*}(x^2+4*x+1)/(x+1)/(x-1)^3$  ogf]  
A032528 19.3017  $-2*(3+7*x+x^3+7*x^2)/(x-1)/(x+1)/(x^2+4*x+1)$  lgdogf  
A032545 21.1916  $[ -(x+1)^*(x^6-x^5+x^4-x^3+x^2-x+1)^*(x^4-x^3+x^2-x+1)^*(x^{24}+x^{23}-x^{19}-x^{18}-x^{17}-x^{16}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}-x^8-x^7-x^6-x^5+x+1)/(x-1)$  ogf]  
A032607 10.9299  $2*(12-x-4320*x^7+2520*x^6+1890*x^8)/(x-1)/(630*x^8-720*x^7+2*x-13)$  lgdogf  
A032607 11.1564  $[ -(630*x^8-720*x^7+2*x-13)/(x-1)^2$  ogf]  
A032608 10.9865  $(25-3*x+2700*x^7+3780*x^5-6300*x^6)/(x-1)/(540*x^7-630*x^6+3*x-14)$  lgdogf  
A032608 11.2130  $[ -(540*x^7-630*x^6+3*x-14)/(x-1)^2$  ogf]  
A032609 10.8783  $2*(13-2*x+1350*x^4-2160*x^5+900*x^6)/(x-1)/(450*x^6-540*x^5+4*x-15)$  lgdogf  
A032609 11.2696  $[ -(450*x^6-540*x^5+4*x-15)/(x-1)^2$  ogf]  
A032610 11.0997  $(27-5*x-2700*x^4+1800*x^3+1080*x^5)/(x-1)/(360*x^5-450*x^4+5*x-16)$  lgdogf  
A032610 11.3263  $[ -(360*x^5-450*x^4+5*x-16)/(x-1)^2$  ogf]  
A032611 11.3280  $2*(14-3*x-720*x^3+270*x^4+540*x^2)/(x-1)/(270*x^4-360*x^3+6*x-17)$  lgdogf  
A032611 11.3829  $[ -(270*x^4-360*x^3+6*x-17)/(x-1)^2$  ogf]  
A032612 11.4395  $[ -(180*x^3-270*x^2+7*x-18)/(x-1)^2$  ogf]  
A032612 12.9835  $(29+533*x+180*x^3-540*x^2)/(x-1)/(180*x^3-270*x^2+7*x-18)$  lgdogf  
A032612 6.29174  $[ \{ a(n+4)-2*a(n+3)+a(n+2), a(0) = 18, a(1) = 29, a(2) = 310, a(3) = 411 \},$  ogf]

A032613 12.8998 [  $-(90x^2-172x-19)/(x-1)^2$  ogf]  
A032613 19.4712  $-2*(-105+4x)/(x-1)/(90x^2-172x-19)$  lgdogf  
A032613 6.87184 [  $\{-a(n+3)+2a(n+2)-a(n+1), a(0) = 19, a(1) = 210, a(2) = 311\}$ , ogf]  
A032614 15.7234 [  $-(9x-110)/(x-1)^2$  ogf]  
A032614 21.9438  $-(-55-x+(3025+101x)^{(1/2)})/(9+x)$  revogf  
A032614 26.8202  $-(-211+9x)/(x-1)/(9x-110)$  lgdogf  
A032614 8.59302 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 110, a(1) = 211\}$ , ogf]  
A032615 20.4163 [  $1+x^2+x^{20}(x-1)$  ogf\_with\_Euler\_transform]  
A032634 7.94903 [  $x^3*(x^{17}+x^{14}+x^{11}+x^8+x^6+x^3+1)/(x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A032765 13.0074  $-2*(-1-3x+x^5-2x^4-x^3-3x^2)/(x-1)/(x^2+x+1)/(x^3-2x^2-1)$  lgdogf  
A032765 9.94411 [  $x*(x^3-2x^2-1)/(x^2+x+1)/(x-1)^3$  ogf]  
A032766 15.5033 [  $x*(2x+1)/(x+1)/(x-1)^2$  ogf]  
A032766 25.6160  $-(3+5x+4x^2)/(x-1)/(2x+1)/(1+x)$  lgdogf  
A032766 7.96115 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$ , ogf]  
A032768 6.26688 [  $-4x*(x+1)*(2x^2-x+2)/(x^4+x^3+x^2+x+1)/(x-1)^5$  ogf]  
A032768 8.03721  $-(9+14x+20x^5+34x^4+24x^3+12x^7+15x^6+22x^2)/(x-1)/(x+1)/(2x^2-x+2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A032769 11.3291  $-(2+6x+2x^6+7x^5+7x^4+9x^3+7x^2)/(x-1)/(1+x)/(x^2+1)/(x^3+2x^2+x+1)$  lgdogf  
A032769 11.6583 [  $x*(x^3+2x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A032775 10.0430 [  $x*(x^5+x^4+2x^3+x^2+x+1)/(x+1)/(x^2-x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A032775 7.16255  $-(2+4x+9x^7+10x^8+4x^9+13x^5+11x^6+9x^3+11x^4+9x^2+2x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+x^4+2x^3+x^2+x+1)$  lgdogf  
A032780 10.7861  $-5*(210-120x+x^4-10x^3+45x^2)/(x-1)/(x^4-9x^3+36x^2-84x+126)$  lgdogf  
A032780 4.84172 [  $-64x*(x^4-9x^3+36x^2-84x+126)/(x-1)^9$  ogf]  
A032780 5.81788 [  $\{(n^2+15n+50)*a(n+1)+(-n^2-7n-6)*a(n+2), a(0) = 0, a(1) = 8064\}$ , ogf]  
A032793 12.2046 [  $(x^3+2x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A032793 13.1010  $-(2+6x+6x^3+x^5+5x^4+10x^2)/(x-1)/(x^2+x+1)/(x^3+2x^2+x+1)$  lgdogf  
A032793 5.07301 [  $\{(5n+17)*a(n+1)+5a(n+2)+5a(n+3)+(-5n-12)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 6\}$ , ogf]  
A032794 3.99058 [  $-4*(9x^9+47x^8+52x^7+164x^6+206x^5+91x^4+125x^3+47x^2+7x+2)/(x^2+x+1)^4/(x-1)^5$  ogf]  
A032795 5.67712 [  $2*(3x^6+11x^5+10x^4+23x^3+19x^2+5x+4)/(x^2+x+1)^3/(x-1)^4$  ogf]  
A032795 6.07540  $-(9+47x+12x^8+58x^7+74x^6+200x^5+240x^4+127x^3+133x^2)/(x-1)/(x^2+x+1)/(3x^6+11x^5+10x^4+23x^3+19x^2+5x+4)$  lgdogf  
A032796 10.4812 [  $(x^5+x^4+2x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A032796 8.40240  $-(2+4x+x^9+3x^8+8x^7+8x^6+10x^5+16x^4+9x^3+9x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+x^4+2x^3+x^2+x+1)$  lgdogf  
A032797 7.51387 [  $(x^9+x^8+x^7+x^6+2x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A032798 6.58669 [  $(x^{11}+x^{10}+x^9+x^8+x^7+2x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A032801 6.21956 [  $x^4*(x^3-x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A032801 8.72466  $-(3+4x+5x^6-4x^5+9x^4+8x^3+7x^2)/(x-1)/(x+1)/(1+x^2)/(x^3-x^2+x+1)$  lgdogf  
A032818 5.03118 [  $(432x^{22}+72x^{14}+84x^{10}+14x^8+3x^7+15x^6+3x^5+15x^4+3x^3+3x^2+3x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A032908 12.8352 [  $-(3x^2-6x+2)/(x-1)/(x^2-3x+1)$  ogf]  
A032908 6.99062 [  $\{-a(n+3)+4a(n+2)-4a(n+1)+a(n), a(0) = 2, a(1) = 2, a(2) = 3\}$ ,

ogf]

A032961 5.80973 [  $(x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2-x+1)/(x^2+x+1)/(x-1)^2$  ogf]

A032962 15.0458 [  $(x^4+1)*(x^8-x^4+1)/(x-1)^2$  ogf]

A032962 15.9966  $2*(-1+5*x^{12}-6*x^{11})/(x-1)/(x^4+1)/(x^8-x^4+1)$  lgdogf

A032962 24.1698 [-x<sup>23</sup>+x<sup>11</sup>+2 ogf\_with\_Euler\_transform]

A032963 5.13786 [  $(x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]

A032964 11.7365  $2*(-1-7*x^{13}+6*x^{14})/(x-1)/(x^2+1)/(x^{12}-x^{10}+x^8-x^6+x^4-x^2+1)$  lgdogf

A032964 15.3529 [  $(x^2+1)*(x^{12}-x^{10}+x^8-x^6+x^4-x^2+1)/(x-1)^2$  ogf]

A032965 4.60527 [  $(x^{21}+x^{20}+x^{19}+x^{18}+x^{17}+x^{16}+x^{15}+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]

A032966 15.2704 [  $(x^{16}+1)/(x-1)^2$  ogf]

A032966 21.3432  $2*(-1+7*x^{16}-8*x^{15})/(x-1)/(1+x^{16})$  lgdogf

A032973 6.95590 [  $(3*x^9+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]

A033028 4.97479 [  $(50176*x^{16}+3808*x^{15}+241*x^{14}+3584*x+16)/(210*x^{15}+15*x^{14}+224*x+1)/(x-1)^2$  ogf]

A033029 5.00111 [  $(65025*x^{17}+4590*x^{16}+273*x^{15}+4335*x+17)/(240*x^{16}+16*x^{15}+255*x+1)/(x-1)^2$  ogf]

A033029 6.74958  $(-34-9248*x-15*x^{14}-9235*x^{15}-1119518*x^{16}+971040*x^{17})/(x-1)/(69360*x^{17}+8959*x^{16}+545*x^{15}+4624*x+17)$  lgdogf

A033030 29.4580  $-3*x*f(x)+(1-3*x)*f(x)^2$  lgdegf

A033030 5.38330 [  $\{(-3^n-6)*a(n+1)+(-3^n-6)*a(n+2)+a(n+3), a(0) = 1, a(1) = 0, a(2) = 3\}$ , ogf]

A033032 5.33561 [  $(36*x^{21}+6*x^{12}+7*x^9+2*x^8+2*x^7+8*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]

A033037 7.12594 [  $(12*x^{12}+x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(x+1)/(x^2-x+1)/(x^2+x+1)/(x-1)^2$  ogf]

A033039 6.64830 [  $(14*x^{14}+x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]

A033040 6.68423 [  $(15*x^{14}+2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]

A033041 6.26355 [  $(16*x^{16}+x^8+2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]

A033057 4.23082 [  $-(x^{25}+x^{24}+x^{23}+x^{22}+x^{21}-5*x^{20}-x^{10}-x^9-x^8-x^7-x^6-2*x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^2-x+1)/(x^2+x+1)/(x-1)^2$  ogf]

A033062 5.75083 [  $(x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]

A033063 15.0458 [  $(x+1)*(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]

A033063 24.1698 [-x<sup>21</sup>+x<sup>10</sup>+2 ogf\_with\_Euler\_transform]

A033063 9.94386  $(-2-11*x^{10}+9*x^{11})/(x-1)/(x+1)/(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)$  lgdogf

A033064 5.16636 [  $(x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2-x+1)/(x^2+x+1)/(x-1)^2$  ogf]

A033065 15.3529 [  $(x+1)*(x^{12}-x^{11}+x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]

A033065 8.83691  $(-2+11*x^{13}-13*x^{12})/(x-1)/(1+x)/(x^{12}-x^{11}+x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)$  lgdogf

A033066 4.58424 [  $(x^{21}+x^{20}+x^{19}+x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]

A033067 15.2704 [  $(x+1)*(x^4-x^3+x^2-x+1)*(x^2-x+1)*(x^8+x^7-x^5-x^4-x^3+x+1)/(x-1)^2$  ogf]

A033067 8.68617  $(-2-15*x^{14}+13*x^{15})/(x-1)/(1+x)/(x^2-x+1)/(x^4-x^3+x^2-x+1)/(x^8+x^7-x^5-x^4-x^3+x+1)$  lgdogf

A033076 7.68698 [  $(5*x^{10}+5*x^9-x^7-x^4-x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(5*x^3-1)$  ogf]

A033077 7.12993 [  $(2*x^9+x^8+5*x^6+4*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(6*x^5-1)$  ogf]

A033082 9.76949 [  $(x^5+3x^3+3x^2+2x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(4x^3-1)$  ogf]  
A033113 17.5233 [  $1/(x-1)/(3x-1)/(x+1)$  ogf]  
A033113 18.1523 [  $(-3-2x+9x^2)/(x-1)/(3x-1)/(x+1)$  lgdogf]  
A033113 5.73772 [  $\{a(n+3)-3a(n+2)-a(n+1)+3a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]  
A033114 16.5422 [  $-2*(2x+1)*(3x-2)/(x-1)/(-1+4x)/(x+1)$  lgdogf]  
A033114 17.7799 [  $1/(x-1)/(4x-1)/(x+1)$  ogf]  
A033114 5.82173 [  $\{a(n+3)-4a(n+2)-a(n+1)+4a(n), a(0) = 1, a(1) = 4, a(2) = 17\}$ , ogf]  
A033115 16.5412 [  $1/(x-1)/(5x-1)/(x+1)$  ogf]  
A033115 16.6573 [  $(-5-2x+15x^2)/(x-1)/(5x-1)/(x+1)$  lgdogf]  
A033115 5.41616 [  $\{a(n+3)-5a(n+2)-a(n+1)+5a(n), a(0) = 1, a(1) = 5, a(2) = 26\}$ , ogf]  
A033116 16.3746 [  $1/(x-1)/(6x-1)/(x+1)$  ogf]  
A033116 16.9623 [  $-2*(-3-x+9x^2)/(x-1)/(6x-1)/(x+1)$  lgdogf]  
A033116 5.36158 [  $\{a(n+3)-6a(n+2)-a(n+1)+6a(n), a(0) = 1, a(1) = 6, a(2) = 37\}$ , ogf]  
A033117 20.9315 [  $(-7-2x+21x^2)/(-1+x)/(7x-1)/(x+1)$  lgdogf]  
A033117 21.2705 [  $1/(x-1)/(7x-1)/(x+1)$  ogf]  
A033117 6.96467 [  $\{a(n+3)-7a(n+2)-a(n+1)+7a(n), a(0) = 1, a(1) = 7, a(2) = 50\}$ , ogf]  
A033118 15.8458 [  $-2*(-4-x+12x^2)/(-1+x)/(-1+8x)/(x+1)$  lgdogf]  
A033118 16.5980 [  $1/(x-1)/(8x-1)/(x+1)$  ogf]  
A033118 5.43473 [  $\{a(n+3)-8a(n+2)-a(n+1)+8a(n), a(0) = 1, a(1) = 8, a(2) = 65\}$ , ogf]  
A033119 15.1201 [  $(-9-2x+27x^2)/(-1+x)/(9x-1)/(x+1)$  lgdogf]  
A033119 15.4384 [  $1/(x-1)/(9x-1)/(x+1)$  ogf]  
A033119 5.05505 [  $\{a(n+3)-9a(n+2)-a(n+1)+9a(n), a(0) = 1, a(1) = 9, a(2) = 82\}$ , ogf]  
A033120 10.5235 [  $(-2-2x-x^2+8x^3-x^4+4x^5)/(-1+x)/(2x-1)/(x^2+1)/(x^2+x+1)$  lgdogf]  
A033120 11.6876 [  $(x^2+1)/(x-1)/(2x-1)/(x^2+x+1)$  ogf]  
A033121 10.9540 [  $(-3-2x+12x^3-x^4+6x^5)/(3x-1)/(x-1)/(1+x^2)/(x^2+x+1)$  lgdogf]  
A033121 13.2703 [  $(x^2+1)/(3x-1)/(x-1)/(x^2+x+1)$  ogf]  
A033122 10.2404 [  $(-4-2x+8x^5+x^2+16x^3-x^4)/(-1+4x)/(x-1)/(x^2+1)/(x^2+x+1)$  lgdogf]  
A033122 11.5413 [  $(x^2+1)/(4x-1)/(x-1)/(x^2+x+1)$  ogf]  
A033123 12.9910 [  $(x^2+1)/(x-1)/(5x-1)/(x^2+x+1)$  ogf]  
A033123 9.22557 [  $(-5-2x+2x^2+20x^3-x^4+10x^5)/(5x-1)/(x-1)/(1+x^2)/(x^2+x+1)$  lgdogf]  
A033124 11.1913 [  $(-6-2x+3x^2+24x^3-x^4+12x^5)/(6x-1)/(x-1)/(1+x^2)/(x^2+x+1)$  lgdogf]  
A033124 12.9820 [  $(x^2+1)/(x-1)/(6x-1)/(x^2+x+1)$  ogf]  
A033125 12.5268 [  $(x^2+1)/(x-1)/(7x-1)/(x^2+x+1)$  ogf]  
A033125 7.79144 [  $(-7-2x+14x^5-x^4+28x^3+4x^2)/(x-1)/(7x-1)/(1+x^2)/(x^2+x+1)$  lgdogf]  
A033126 11.4606 [  $(-8-2x+16x^5-x^4+32x^3+5x^2)/(x-1)/(8x-1)/(1+x^2)/(x^2+x+1)$  lgdogf]  
A033126 13.2861 [  $(x^2+1)/(x-1)/(8x-1)/(x^2+x+1)$  ogf]  
A033127 6.56790 [  $(-9-2x+18x^5-x^4+36x^3+6x^2)/(-1+x)/(9x-1)/(x^2+1)/(x^2+x+1)$  lgdogf]  
A033127 7.80375 [  $(x^2+1)/(x-1)/(9x-1)/(x^2+x+1)$  ogf]  
A033128 10.0886 [  $(-10-2x+20x^5-x^4+40x^3+7x^2)/(-1+x)/(10x-1)/(1+x^2)/(x+1+x^2)$  lgdogf]  
A033128 11.8306 [  $(x^2+1)/(10x-1)/(x-1)/(x^2+x+1)$  ogf]  
A033129 12.0389 [  $x*(x+1)/(x-1)/(2x-1)/(x^2+x+1)$  ogf]  
A033129 12.5152 [  $-3*(-1-x^2+2x^3+2x^4)/(x-1)/(-1+2x)/(x+1)/(x^2+x+1)$  lgdogf]  
A033130 11.9464 [  $(-4+9x^4+10x^3-3x^2)/(x-1)/(3x-1)/(1+x)/(x^2+x+1)$  lgdogf]  
A033130 14.5234 [  $(x+1)/(3x-1)/(x-1)/(x^2+x+1)$  ogf]

A033131 11.5204  $-( -5-3*x^2+14*x^3+12*x^4)/(x-1)/(-1+4*x)/(x+1)/(x^2+x+1)$  lgdogf  
A033131 12.4124  $[ (x+1)/(4*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A033132 11.3727  $-3*(-2-x^2+6*x^3+5*x^4)/(x-1)/(5*x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A033132 11.6060  $[ (x+1)/(x-1)/(5*x-1)/(x^2+x+1)$  ogf]  
A033133 10.7942  $-( -7-3*x^2+22*x^3+18*x^4)/(x-1)/(6*x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A033133 13.9618  $[ (x+1)/(x-1)/(6*x-1)/(x^2+x+1)$  ogf]  
A033134 13.5306  $[ (x+1)/(x-1)/(7*x-1)/(x^2+x+1)$  ogf]  
A033134 9.26160  $-( -8+21*x^4+26*x^3-3*x^2)/(x-1)/(7*x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A033135 8.77816  $-3*(-3+8*x^4+10*x^3-x^2)/(x-1)/(8*x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A033135 9.16192  $[ (x+1)/(x-1)/(8*x-1)/(x^2+x+1)$  ogf]  
A033136 12.3917  $-( -10+27*x^4+34*x^3-3*x^2)/(-1+x)/(9*x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A033136 13.5567  $[ (x+1)/(x-1)/(9*x-1)/(x^2+x+1)$  ogf]  
A033137 7.21829  $-( -11+30*x^4+38*x^3-3*x^2)/(-1+x)/(10*x-1)/(x+1)/(x+1*x^2)$  lgdogf  
A033137 7.81365  $[ (x+1)/(10*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A033138 16.7370  $-( -2+8*x^3-3*x^2)/(x-1)/(2*x-1)/(x^2+x+1)$  lgdogf  
A033138 17.0751  $[ 1/(x-1)/(2*x-1)/(x^2+x+1)$  ogf]  
A033138 5.64580  $[ \{-a(n+4)+2*a(n+3)+a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9\},$  ogf]  
A033139 15.3369  $-3*(-1-x^2+4*x^3)/(x-1)/(3*x-1)/(x^2+x+1)$  lgdogf  
A033139 15.6548  $[ 1/(3*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A033139 5.13477  $[ \{-a(n+4)+3*a(n+3)+a(n+1)-3*a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 28\},$  ogf]  
A033140 15.0034  $-( -4-3*x^2+16*x^3)/(-1+4*x)/(x-1)/(x^2+x+1)$  lgdogf  
A033140 16.0453  $[ 1/(4*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A033140 5.22108  $[ \{-a(n+4)+4*a(n+3)+a(n+1)-4*a(n), a(0) = 1, a(1) = 4, a(2) = 16, a(3) = 65\},$  ogf]  
A033141 14.2041  $-( -5-3*x^2+20*x^3)/(x-1)/(5*x-1)/(x^2+x+1)$  lgdogf  
A033141 14.8521  $[ 1/(x-1)/(5*x-1)/(x^2+x+1)$  ogf]  
A033141 4.79476  $[ \{-a(n+4)+5*a(n+3)+a(n+1)-5*a(n), a(0) = 1, a(1) = 5, a(2) = 25, a(3) = 126\},$  ogf]  
A033142 17.7423  $-3*(-2-x^2+8*x^3)/(6*x-1)/(x-1)/(x^2+x+1)$  lgdogf  
A033142 18.0482  $[ 1/(x-1)/(6*x-1)/(x^2+x+1)$  ogf]  
A033142 5.82658  $[ \{-a(n+4)+6*a(n+3)+a(n+1)-6*a(n), a(0) = 1, a(1) = 6, a(2) = 36, a(3) = 217\},$  ogf]  
A033143 18.4397  $-( -7-3*x^2+28*x^3)/(x-1)/(7*x-1)/(x^2+x+1)$  lgdogf  
A033143 19.1953  $[ 1/(x-1)/(7*x-1)/(x^2+x+1)$  ogf]  
A033143 6.19691  $[ \{-a(n+4)+7*a(n+3)+a(n+1)-7*a(n), a(0) = 1, a(1) = 7, a(2) = 49, a(3) = 344\},$  ogf]  
A033144 15.2918  $-( -8+32*x^3-3*x^2)/(-1+x)/(-1+8*x)/(x^2+x+1)$  lgdogf  
A033144 16.7077  $[ 1/(x-1)/(8*x-1)/(x^2+x+1)$  ogf]  
A033144 5.39383  $[ \{-a(n+4)+8*a(n+3)+a(n+1)-8*a(n), a(0) = 1, a(1) = 8, a(2) = 64, a(3) = 513\},$  ogf]  
A033145 16.3554  $-3*(-3+12*x^3-x^2)/(9*x-1)/(-1+x)/(x^2+x+1)$  lgdogf  
A033145 17.4503  $[ 1/(x-1)/(9*x-1)/(x^2+x+1)$  ogf]  
A033145 5.63356  $[ \{-a(n+4)+9*a(n+3)+a(n+1)-9*a(n), a(0) = 1, a(1) = 9, a(2) = 81, a(3) = 730\},$  ogf]  
A033146 15.2449  $-( -10+40*x^3-3*x^2)/(-1+x)/(10*x-1)/(x^2+x+1)$  lgdogf  
A033146 16.2327  $[ 1/(10*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A033146 5.28792  $[ \{-a(n+4)+10*a(n+3)+a(n+1)-10*a(n), a(0) = 1, a(1) = 10, a(2) = 100, a(3) = 1001\},$  ogf]  
A033171 6.85946  $-( 730+1460*x+732*x^6+1461*x^5+2191*x^4+2921*x^3+2193*x^2)/(x-1)/(1+x)/(x^2+1)/(366*x^3+365*x^2+365*x+365)$  lgdogf  
A033171 9.54277  $[ (366*x^3+365*x^2+365*x+365)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A033174 6.85946  $-( 731+1461*x+730*x^6+1460*x^5+2190*x^4+2925*x^3+2191*x^2)/(x-1)/(1+x)/(x^2+1)/(365*x^3+365*x^2+365*x+366)$  lgdogf  
A033174 9.54277  $[ (365*x^3+365*x^2+365*x+366)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A033175 11.5615  $[ (20*x+1)/(10*x-1)/(x-1)$  ogf]  
A033175 12.0753  $-1/20*(-1-11*x+1+102*x+81*x^2)^(1/2)/(-2+x)$  revogf  
A033175 12.6370  $-( -31+20*x+200*x^2)/(x-1)/(20*x+1)/(10*x-1)$  lgdogf  
A033175 6.52884  $[ \{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 1, a(1) = 31\},$  ogf]



A033182 17.7573 [  $1/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A033182 25.6509 [ $x^5+x^4$  ogf\_with\_Euler\_transform]  
A033182 8.39785  $-x^4*(11*x^4+11*x^2+11*x+11*x^3+5+11*x^5)/(-1+x)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A033183 17.5446 [  $1/(x+1)/(x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A033183 29.3987 [ $x^8+x^3$  ogf\_with\_Euler\_transform]  
A033183 7.64953  $-x^3*(13*x^5+4*x^3+4*x^2+4*x^4+4*x+4+13*x^6+13*x^7+13*x^8)/(-1+x)/(x+1)/(x^2+1)/(x^2+x+1)/(x^6+x^3+1)$  lgdogf  
A033190 5.96767  $-(3-30*x+5*x^6-60*x^5+174*x^4-204*x^3+114*x^2)/(1+x^2-3*x)/(5*x^2-5*x+1)/(x^3-6*x^2+5*x-1)$  lgdogf  
A033190 6.58584 [  $-x*(x^3-6*x^2+5*x-1)/(x^2-3*x+1)/(5*x^2-5*x+1)$  ogf]  
A033191 5.83422  $(1-12*x+30*x^6-108*x^5+171*x^4-136*x^3+57*x^2)/(x-1)/(1+x^2-3*x)/(5*x^2-5*x+1)/(x^3-9*x^2+6*x-1)$  lgdogf  
A033191 8.31178 [  $(x-1)*(x^3-9*x^2+6*x-1)/(x^2-3*x+1)/(5*x^2-5*x+1)$  ogf]  
A033192 6.70270  $-(1-4*x^6-6*x^5+2*x^7+15*x^4+10*x^3-11*x^2)/(x+1)/(1+x^2-3*x)/(x^2+x-1)/(x^3-x^2-2*x+1)$  lgdogf  
A033192 8.91746 [  $-x*(x^3-x^2-2*x+1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A033193 5.95466  $(2-20*x-144*x^3+77*x^2+139*x^4-68*x^5+15*x^6)/(x-1)/(x^2-3*x+1)/(5*x^2-5*x+1)/(x^3-6*x^2+5*x-1)$  lgdogf  
A033193 6.57278 [  $(x-1)*(x^3-6*x^2+5*x-1)/(x^2-3*x+1)/(5*x^2-5*x+1)$  ogf]  
A033275 17.1740  $-(21-14*x+3*x^2)/(x-1)/(x^2-4*x+5)$  lgdogf  
A033275 4.03932 [  $\{(15+5*n)*a(n+4)+(-39-9*n)*a(n+3)+(19+5*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 5, a(2) = 21, a(3) = 56\}$ , ogf]  
A033275 9.73331 [  $-x*(x^2-4*x+5)/(x-1)^5$  ogf]  
A033276 15.0350  $-(-84+72*x+4*x^3-27*x^2)/(x-1)/(x^3-6*x^2+14*x-14)$  lgdogf  
A033276 6.24786 [  $\{(n^2+13*n+36)*a(n+1)+(-n^2-7*n-6)*a(n+2), a(0) = 0, a(1) = 14\}$ , ogf]  
A033276 6.86702 [  $x*(x^3-6*x^2+14*x-14)/(x-1)^7$  ogf]  
A033277 5.61198 [  $-x*(x^4-8*x^3+27*x^2-48*x+42)/(x-1)^9$  ogf]  
A033277 6.43998 [  $\{(n^2+16*n+55)*a(n+1)+(-n^2-8*n-7)*a(n+2), a(0) = 0, a(1) = 42\}$ , ogf]  
A033277 8.08958  $-(330-330*x+5*x^4-44*x^3+165*x^2)/(x-1)/(x^4-8*x^3+27*x^2-48*x+42)$  lgdogf  
A033278 4.27170 [  $x*(x^5-10*x^4+44*x^3-110*x^2+165*x-132)/(x-1)^{11}$  ogf]  
A033278 6.21654 [  $\{(n^2+19*n+78)*a(n+1)+(-n^2-9*n-8)*a(n+2), a(0) = 0, a(1) = 132\}$ , ogf]  
A033278 8.57667  $-(-1287+1430*x+6*x^5-65*x^4+312*x^3-858*x^2)/(x-1)/(x^5-10*x^4+44*x^3-110*x^2+165*x-132)$  lgdogf  
A033279 6.07725 [  $\{(n^2+22*n+105)*a(n+1)+(-n^2-10*n-9)*a(n+2), a(0) = 0, a(1) = 429\}$ , ogf]  
A033279 7.14285  $-(5005-6006*x+7*x^6-90*x^5+525*x^4-1820*x^3+4095*x^2)/(x-1)/(x^6-12*x^5+65*x^4-208*x^3+429*x^2-572*x+429)$  lgdogf  
A033281 3.56347 [  $\{(-4*n^3-78*n^2-500*n-1056)*a(n+1)+(n^3+15*n^2+56*n+60)*a(n+2), a(0) = 1, a(1) = 35\}$ , ogf]  
A033296 6.43039  $1/2*((1+6*x+x^2)^{(1/2)}*x^2+3*(1+6*x+x^2)^{(1/2)}*x+(1+6*x+x^2)^{(1/2)}-1-6*x-x^3-6*x^2)/x^2$  revogf  
A033297 4.07156 [  $\{(4*n+14)*a(n+1)+(3*n+9)*a(n+2)+(-n-5)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A033303 10.6338 [  $(x+1)/(x^3-x^2-2*x+1)$  ogf]  
A033303 12.8001  $-(-3-2*x+2*x^3+2*x^2)/(x+1)/(x^3-x^2-2*x+1)$  lgdogf  
A033303 5.03204 [  $\{a(n+3)-2*a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$ , ogf]  
A033304 11.0403 [  $-(3*x^2-2*x-2)/(x^3-x^2-2*x+1)$  ogf]  
A033304 11.7856  $-(6-2*x+3*x^4-4*x^3+2*x^2)/(3*x^2-2*x-2)/(x^3-x^2-2*x+1)$  lgdogf  
A033304 5.95982 [  $\{a(n+3)-2*a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 6, a(2) = 11\}$ , ogf]  
A033305 10.3730  $-2*x*(1+x^2+x-4*x^3+2*x^4)/(x-1)/(x+1)/(x^4-2*x^3+x^2-2*x+1)$  lgdogf  
A033305 9.17200 [  $-(x-1)/(x+1)/(x^4-2*x^3+x^2-2*x+1)$  ogf]  
A033312 3.50862 [  $\{(-n^2-4*n-4)*a(n+1)+(n^2+5*n+5)*a(n+2)+(-1-n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]

A033321 30.3494  $x^*(-1+2*x)/(-1+x+x^2)$  revogf  
A033321 6.63894  $-(2*x-1+(5*x-1)^(1/2))*x*(x-1)^(1/2)-(x-1)^(1/2)*(5*x-1)^(1/2))/(x-2)/(x-1)^(1/2)/x/(5*x-1)^(1/2)$  lgdogf  
A033322 118.213  $1/(x+2)$  lgdogf  
A033322 39.4042  $2*x/(2+(4+2*x)^(1/2))$  revegfg  
A033322 8.77228  $[{a(n+2), a(0) = 2, a(1) = 1}]$ , ogf]  
A033324 28.5341  $(2+2*x+3*x^2)/(x^2+4+2*x+x^3)$  lgdogf  
A033324 6.04942  $[{a(n+4), a(0) = 4, a(1) = 2, a(2) = 1, a(3) = 1}]$ , ogf]  
A033325 21.2176  $(2+2*x+4*x^3+3*x^2)/(x^2+5+2*x+x^4+x^3)$  lgdogf  
A033325 5.02421  $[{-a(n+5), a(0) = 5, a(1) = 2, a(2) = 1, a(3) = 1, a(4) = 1}]$ , ogf]  
A033326 16.2252  $(3+4*x+4*x^3+5*x^4+3*x^2)/(2*x^2+6+3*x+x^4+x^3+x^5)$  lgdogf  
A033327 13.5654  $(3+4*x+6*x^5+4*x^3+5*x^4+3*x^2)/(2*x^2+7+3*x+x^4+x^3+x^6+x^5)$  lgdogf  
A033328 11.3354  $(4+4*x+7*x^6+6*x^5+4*x^3+5*x^4+6*x^2)/(x^2+2*x+2)/(x^5-x^4+x^3+x^2-2*x+4)$  lgdogf  
A033329 9.96973  $(4+6*x+7*x^6+6*x^5+4*x^3+8*x^7+5*x^4+6*x^2)/(3*x^2+9+4*x+x^8+x^4+2*x^3+x^6+x^5+x^7)$  lgdogf  
A033330 8.66676  $(5+6*x+7*x^6+6*x^5+8*x^3+9*x^8+8*x^7+5*x^4+6*x^2)/(3*x^2+10+5*x+x^8+2*x^4+x^9+2*x^3+x^6+x^5+x^7)$  lgdogf  
A033331 7.70379  $(5+6*x+7*x^6+6*x^5+8*x^3+9*x^8+8*x^7+5*x^4+6*x^2+10*x^9)/(3*x^2+11+5*x+x^8+2*x^4+x^9+2*x^3+x^10+x^6+x^5+x^7)$  lgdogf  
A033332 6.70975  $(6+8*x+7*x^6+6*x^5+11*x^10+8*x^3+9*x^8+8*x^7+10*x^4+9*x^2+10*x^9)/(4*x^2+12+6*x+x^8+2*x^4+x^9+3*x^3+x^10+x^6+x^11+2*x^5+x^7)$  lgdogf  
A033333 6.35122  $(1+x)*(12*x^10-x^9+11*x^8-2*x^7+10*x^6-3*x^5+9*x^4+x^3+7*x^2+2*x+6)/(13+4*x^2+3*x^3+2*x^4+2*x^5+x^6+x^7+x^8+x^9+x^10+x^11+6*x+x^12)$  lgdogf  
A033428 14.1848  $[ -3*x*(x+1)/(x-1)^3$  ogf]  
A033428 38.2864  $[ [4-x]$  ogf\_with\_Euler\_transform]  
A033428 39.8491  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A033428 7.21904  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 12}]$ , ogf]  
A033429 16.6241  $[ -5*x*(x+1)/(x-1)^3$  ogf]  
A033429 44.8951  $[ [4-x]$  ogf\_with\_Euler\_transform]  
A033429 46.7888  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A033429 8.46046  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 20}]$ , ogf]  
A033430 10.8422  $[ 4*x*(x^2+4*x+1)/(x-1)^4$  ogf]  
A033430 24.7290  $-2*(4+7*x+x^2)/(x-1)/(x^2+4*x+1)$  lgdogf  
A033430 4.03176  $[{(n+3)*a(n+4)+(-2+3*n)*a(n+3)+(-17-3*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 32, a(3) = 108}]$ , ogf]  
A033431 10.7634  $[ 2*x*(x^2+4*x+1)/(x-1)^4$  ogf]  
A033431 24.2083  $-2*(4+7*x+x^2)/(x-1)/(x^2+4*x+1)$  lgdogf  
A033431 3.96834  $[{(n+3)*a(n+4)+(-2+3*n)*a(n+3)+(-17-3*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 16, a(3) = 54}]$ , ogf]  
A033436 10.3232  $-(3+6*x+4*x^5+7*x^4+10*x^3+6*x^2)/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)$  lgdogf  
A033436 22.5699  $[x^3-x^2+3$  ogf\_with\_Euler\_transform]  
A033436 7.74240  $[ -x^2*(x^2+x+1)/(x^2+1)/(x+1)/(x-1)^3$  ogf]  
A033437 29.8431  $[x^4-x^3+3$  ogf\_with\_Euler\_transform]  
A033437 7.60863  $-(3+6*x+7*x^6+10*x^5+4*x^7+13*x^4+8*x^3+9*x^2)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A033437 9.34684  $[ -x^2*(x^2+1)*(x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A033438 22.1797  $[x^5-x^4+3$  ogf\_with\_Euler\_transform]  
A033438 5.75788  $-(3+6*x+13*x^6+16*x^5+10*x^7+10*x^4+12*x^3+7*x^8+4*x^9+9*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A033438 6.40421  $[ -x^2*(x^4+x^3+x^2+x+1)/(x+1)/(x^2-x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A033439 28.3355  $[x^6-x^5+3$  ogf\_with\_Euler\_transform]  
A033439 7.57349  $[ -x^2*(x+1)*(x^2-x+1)*(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A033440 22.1797  $[x^7-x^6+3$  ogf\_with\_Euler\_transform]

A033440 5.48157 [  $-x^2*(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^3$  ogf ]  
A033441 28.4731 [  $x^8-x^7+3$  ogf\_with\_Euler\_transform ]  
A033441 6.53163 [  $-x^2*(x+1)*(x^2+1)*(x^4+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3$  ogf ]  
A033442 27.7920 [  $x^9-x^8+3$  ogf\_with\_Euler\_transform ]  
A033442 5.91068 [  $-x^2*(x^2+x+1)*(x^6+x^3+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^3$  ogf ]  
A033443 26.9980 [  $x^{10}-x^9+3$  ogf\_with\_Euler\_transform ]  
A033443 5.57364 [  $-x^2*(x+1)*(x^4+x^3+x^2+x+1)*(x^4-x^3+x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf ]  
A033444 26.1271 [  $x^{11}-x^{10}+3$  ogf\_with\_Euler\_transform ]  
A033444 5.25001 [  $-x^2*(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3$  ogf ]  
A033445 17.2175 [  $-2*x*(-5+x^2-8*x)/(x-1)/(2*x^3-11*x^2+4*x-1)$  lgdogf ]  
A033445 4.11074 [  $\{(29*n^2+157*n+198)*a(n+1)+(-61*n^2-287*n-330)*a(n+2)+(32*n^2+121*n+75)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 5\}$ , ogf ]  
A033445 9.85524 [  $-(2*x^3-11*x^2+4*x-1)/(x-1)^4$  ogf ]  
A033453 17.2812 [  $-(x+1)/(x^3-2*x^2+4*x-1)$  ogf ]  
A033453 21.4866 [  $-(5-4*x+2*x^3+x^2)/(x+1)/(x^3-2*x^2+4*x-1)$  lgdogf ]  
A033453 8.10536 [  $\{-a(n+3)+4*a(n+2)-2*a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 18\}$ , ogf ]  
A033455 37.4158 [  $[8-2*x]$  ogf\_with\_Euler\_transform ]  
A033455 38.8812 [  $-4*(x+2)/(x-1)/(x+1)$  lgdogf ]  
A033455 5.86636 [  $\{(-n-3)*a(n+3)+8*a(n+2)+(5+n)*a(n+1), a(0) = 1, a(1) = 8, a(2) = 34\}$ , ogf ]  
A033455 8.99952 [  $(x+1)^2/(x-1)^6$  ogf ]  
A033463 13.1138 [  $-4*(2+x+4*x^4-4*x^3+6*x^2)/(2*x-1)/(8*x^4-12*x^3+10*x^2-2*x+1)$  lgdogf ]  
A033463 8.26386 [  $-(8*x^4-12*x^3+10*x^2-2*x+1)/(2*x-1)^5$  ogf ]  
A033478 10.0172 [  $(7*x^7+14*x^6+x^5+2*x^4-13*x^3-5*x^2-10*x-3)/(x-1)/(x^2+x+1)$  ogf ]  
A033478 7.65457 [  $(10+10*x+12*x^3+28*x^9+42*x^8+2*x^7-47*x^6-84*x^5+48*x^2)/(x-1)/(x^2+x+1)/(7*x^7+14*x^6+x^5+2*x^4-13*x^3-5*x^2-10*x-3)$  lgdogf ]  
A033481 6.96495 [  $(64+64*x-84*x^5-108*x^4-96*x^3+7*x^6+56*x^7+42*x^8+28*x^9+48*x^2)/(x-1)/(x^2+x+1)/(7*x^7+14*x^6+28*x^5+56*x^4+5*x^3-32*x^2-64*x-21)$  lgdogf ]  
A033481 9.79736 [  $(7*x^7+14*x^6+28*x^5+56*x^4+5*x^3-32*x^2-64*x-21)/(x-1)/(x^2+x+1)$  ogf ]  
A033482 6.98404 [  $2*(2*x+1)*(11*x^5+7*x^4-12*x^3-4*x^2+3*x+1)/(x^4-4*x^3-3*x^2+2*x+1)/(11*x^4-8*x^2+1)$  lgdogf ]  
A033482 8.10599 [  $(x^4-4*x^3-3*x^2+2*x+1)/(11*x^4-8*x^2+1)$  ogf ]  
A033484 15.5674 [  $(x+1)/(x-1)/(2*x-1)$  ogf ]  
A033484 17.1700 [  $-1/2*(-1-3*x+(1+10*x+x^2)^{1/2})/(2*x-1)$  revogf ]  
A033484 19.6228 [  $-2*(-2+2*x+x^2)/(x-1)/(2*x-1)/(1+x)$  lgdogf ]  
A033484 8.54310 [  $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 4\}$ , ogf ]  
A033486 12.4125 [  $-12*x/(x-1)^5$  ogf ]  
A033486 7.63848 [  $\{(n+1)*a(n+2)+(-5-n)*a(n+1), a(0) = 0, a(1) = 12\}$ , ogf ]  
A033486 97.9462 [  $-5/(x-1)$  lgdogf ]  
A033487 12.0937 [  $-6*x/(x-1)^5$  ogf ]  
A033487 7.39713 [  $\{(n+1)*a(n+2)+(-5-n)*a(n+1), a(0) = 0, a(1) = 6\}$ , ogf ]  
A033487 93.8839 [  $-5/(x-1)$  lgdogf ]  
A033488 6.00856 [  $\{(n+1)*a(n+2)+(-5-n)*a(n+1), a(0) = 0, a(1) = 4\}$ , ogf ]  
A033488 76.0491 [  $-5/(x-1)$  lgdogf ]  
A033488 9.82352 [  $-4*x/(x-1)^5$  ogf ]  
A033504 13.4632 [  $-2*(12*x+13+2*(-4*x+1)^{1/2})/(4*x+3)/(4*x-1)$  lgdogf ]  
A033504 3.39675 [  $\{(16*n^2+88*n+120)*a(n+1)+(-8*n^2-42*n-52)*a(n+2)+(n^2+5*n+6)*a(n+3), a(0) = 1, a(1) = 10, a(2) = 66\}$ , ogf ]  
A033505 17.1384 [  $1/(x^3-x^2-3*x+1)$  ogf ]  
A033505 19.4139 [  $-(-3-2*x+3*x^2)/(-x^2+1-3*x+x^3)$  lgdogf ]  
A033505 5.61167 [  $\{a(n+3)-3*a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf ]

A033506 6.89391 [  $-(x^2+2x-1)(x^2-x-1)/(x+1)/(x^5-x^4-9x^3+9x^2+5x-1)$  ogf]  
A033507 4.36253 [  $-(x-1)(x^6-x^5-12x^4-2x^3+18x^2+3x-1)/(x^9-x^8-23x^7+29x^6+91x^5-111x^4-41x^3+41x^2+9x-1)$  ogf]  
A033515 10.9152  $-(32+72x+x^6+69x^2-4x^3-15x^4)/(x^3-8x-4)/(x^4-9x^2-6x+1)$  lgdogf  
A033515 11.6547 [  $-(x^2+2x-1)/(x^4-9x^2-6x+1)$  ogf]  
A033516 6.37018 [  $-(x-1)(x^3-2x^2-6x+1)/(x^6-2x^5-18x^4+46x^3-6x^2-14x+1)$  ogf]  
A033517 4.88373 [  $-(x^6+2x^5-21x^4-36x^3+9x^2+14x-1)/(x^8+3x^7-40x^6-119x^5+159x^4+209x^3-76x^2-25x+1)$  ogf]  
A033536 3.86880 [  $\{(-64n^3-288n^2-432n-216)a(n+1)+(n^3+9n^2+27n+27)a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A033536 6.52298  $[1/8/x-1/8/x\text{hypergeom}([-1/2, -1/2, -1/2],[1, 1],64x)$  ogf]  
A033537 10.7336 [  $x(3x-7)/(x-1)^3$  ogf]  
A033537 26.1228  $-6*(-3+x)/(x-1)/(3x-7)$  lgdogf  
A033537 5.46263 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 18\}$ , ogf]  
A033538 10.8425 [  $(3x^2-3x+1)/(x-1)/(x^2+3x-1)$  ogf]  
A033538 10.9892  $-(-1-2x+3x^4-6x^3+9x^2)/(x-1)/(3x^2-3x+1)/(x^2+3x-1)$  lgdogf  
A033538 5.90530 [  $\{-a(n+3)+4a(n+2)-2a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$ , ogf]  
A033539 10.4693  $(1-4x-14x^3+4x^4+11x^2)/(x-1)/(-1+2x+x^2)/(3x^3-x^2-2x+1)$  lgdogf  
A033539 5.17910 [  $\{-a(n+4)+3a(n+3)-a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 4\}$ , ogf]  
A033539 9.90784 [  $(3x^3-x^2-2x+1)/(x-1)/(x^2+2x-1)$  ogf]  
A033543 10.2755  $-(3x-1)(1+(6x-1)^{1/2})(2x-1)^{1/2}/(3x-2)/(2x-1)^{1/2}/x/(6x-1)^{1/2}$  lgdogf  
A033543 3.97329 [  $\{(36n+72)a(n+1)+(-48n-132)a(n+2)+(19n+71)a(n+3)+(-2n-10)a(n+4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 16\}$ , ogf]  
A033543 40.0746  $x(2x-1)/(-1+3x^2)$  revogf  
A033544 13.4120  $-2(35+29x+3x^3-19x^2)/(x-1)/(2x^3-11x^2+16x+9)$  lgdogf  
A033544 3.64211 [  $\{(-19n^2-571n-1542)a(n+1)+(-442n^2-3887n-8695)a(n+2)+(461n^2+2058n+2272)a(n+3), a(0) = 0, a(1) = 27, a(2) = 210\}$ , ogf]  
A033544 7.00134 [  $3x(2x^3-11x^2+16x+9)/(x-1)^6$  ogf]  
A033547 11.2114 [  $2(x^2-x+1)x/(x-1)^4$  ogf]  
A033547 24.6546  $[-x^5+x^2+x+3$  ogf\_with\_Euler\_transform]  
A033547 25.8967  $-(3-x+2x^2)/(x-1)/(x^2-x+1)$  lgdogf  
A033547 4.17567 [  $\{(n+3)a(n+4)+(-7-2n)a(n+3)+(3+2n)a(n+2)+(-2-n)a(n+1), a(0) = 0, a(1) = 2, a(2) = 6, a(3) = 14\}$ , ogf]  
A033550 3.43318 [  $\{(n+3)a(n+1)+(-4n-11)a(n+2)+(4n+9)a(n+3)+(-n-2)a(n+4), a(0) = 2, a(1) = 2, a(2) = 5, a(3) = 15\}$ , ogf]  
A033550 8.71499 [  $-(4x^3-11x^2+8x-2)/(x^2-3x+1)/(x-1)^2$  ogf]  
A033550 8.88587  $-(-2+8x+4x^5-18x^4+29x^3-19x^2)/(x-1)/(x^2-3x+1)/(4x^3-11x^2+8x-2)$  lgdogf  
A033562 13.4168  $-(3+19x+x^3+25x^2)/(x-1)/(x^3+11x^2-x+1)$  lgdogf  
A033562 7.57577 [  $(x^3+11x^2-x+1)/(x-1)^4$  ogf]  
A033566 16.8510  $-(9+34x+5x^2)/(x-1)/(5x^2+12x-1)$  lgdogf  
A033566 5.46431 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = -1, a(1) = 9, a(2) = 35\}$ , ogf]  
A033566 9.95915 [  $-(5x^2+12x-1)/(x-1)^3$  ogf]  
A033567 14.3734 [  $-(15x^2+1)/(x-1)^3$  ogf]  
A033567 17.7360  $-3(1+10x+5x^2)/(x-1)/(15x^2+1)$  lgdogf  
A033567 7.37751 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 21\}$ , ogf]  
A033568 13.3385 [  $-(12x^2-x+1)/(x-1)^3$  ogf]  
A033568 22.5464  $-2(1+11x+6x^2)/(x-1)/(12x^2-x+1)$  lgdogf  
A033568 7.31846 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 15\}$ , ogf]  
A033569 13.2297 [  $-(6x^2+7x-1)/(x-1)^3$  ogf]

A033569 16.1028  $-2*(2+13*x+3*x^2)/(x-1)/(6*x^2+7*x-1)$  lgdogf  
A033569 7.14170  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = -1, a(1) = 4, a(2) = 21\},$  ogf]  
A033570 13.3545  $[ -(2*x^2+9*x+1)/(x-1)^3$  ogf]  
A033570 22.8400  $-2*(6+11*x+x^2)/(x-1)/(2*x^2+9*x+1)$  lgdogf  
A033570 7.14583  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 12, a(2) = 35\},$  ogf]  
A033571 16.3680  $-2*(x+9)*(1+2*x)/(x-1)/(4*x^2+15*x+1)$  lgdogf  
A033571 5.43815  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 18, a(2) = 55\},$  ogf]  
A033571 9.99918  $[ -(4*x^2+15*x+1)/(x-1)^3$  ogf]  
A033572 17.1673  $-6*(4+9*x+x^2)/(x-1)/(6*x^2+21*x+1)$  lgdogf  
A033572 5.39540  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 24, a(2) = 75\},$  ogf]  
A033572 9.92058  $[ -(6*x^2+21*x+1)/(x-1)^3$  ogf]  
A033573 15.1001  $-2*(15+35*x+4*x^2)/(x-1)/(8*x^2+27*x+1)$  lgdogf  
A033573 5.28954  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 30, a(2) = 95\},$  ogf]  
A033573 9.72594  $[ -(8*x^2+27*x+1)/(x-1)^3$  ogf]  
A033574 14.7033  $-3*(11+26*x+3*x^2)/(x-1)/(9*x^2+30*x+1)$  lgdogf  
A033574 5.10795  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 33, a(2) = 105\},$  ogf]  
A033574 9.47442  $[ -(9*x^2+30*x+1)/(x-1)^3$  ogf]  
A033575 14.4231  $-2*(18+43*x+5*x^2)/(x-1)/(10*x^2+33*x+1)$  lgdogf  
A033575 5.13835  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 36, a(2) = 115\},$  ogf]  
A033575 9.37952  $[ -(10*x^2+33*x+1)/(x-1)^3$  ogf]  
A033576 14.8826  $-(39+94*x+11*x^2)/(x-1)/(11*x^2+36*x+1)$  lgdogf  
A033576 5.16876  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 39, a(2) = 125\},$  ogf]  
A033576 9.43503  $[ -(11*x^2+36*x+1)/(x-1)^3$  ogf]  
A033577 13.2855  $[ -(6*x^2+17*x+1)/(x-1)^3$  ogf]  
A033577 20.7348  $-2*(10+23*x+3*x^2)/(x-1)/(6*x^2+17*x+1)$  lgdogf  
A033577 7.22546  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 20, a(2) = 63\},$  ogf]  
A033578 13.0429  $[ -(20*x^2+3*x+1)/(x-1)^3$  ogf]  
A033578 20.3491  $-2*(3+23*x+10*x^2)/(x-1)/(20*x^2+3*x+1)$  lgdogf  
A033578 7.15627  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 35\},$  ogf]  
A033579 14.5085  $[ -4*x*(2*x+1)/(x-1)^3$  ogf]  
A033579 37.0682  $-(5+4*x)/(2*x+1)/(x-1)$  lgdogf  
A033579 7.38380  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 20\},$  ogf]  
A033580 10.6427  $[ -4*x*(x+2)/(x-1)^3$  ogf]  
A033580 29.7901  $-(2*x+7)/(x+2)/(x-1)$  lgdogf  
A033580 5.41638  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 28\},$  ogf]  
A033581 14.0913  $[ -6*x*(x+1)/(x-1)^3$  ogf]  
A033581 38.0221  $[[4-x]$  ogf\_with\_Euler\_transform]  
A033581 39.5893  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A033581 7.17147  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 24\},$  ogf]  
A033582 10.7061  $[ -7*x*(x+1)/(x-1)^3$  ogf]  
A033582 28.8388  $[[4-x]$  ogf\_with\_Euler\_transform]  
A033582 29.9706  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A033582 5.44862  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 28\},$  ogf]  
A033583 13.1135  $[ -10*x*(x+1)/(x-1)^3$  ogf]  
A033583 36.6052  $[[4-x]$  ogf\_with\_Euler\_transform]  
A033583 38.1242  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A033583 6.84688  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 10, a(2) =$

40}], ogf]

A033584 10.0032 [ -11\*x\*(x+1)/(x-1)^3 ogf]

A033584 27.8750 [[4-x] ogf\_with\_Euler\_transform]

A033584 28.9761 -2\*(x+2)/(x-1)/(x+1) lgdogf

A033584 5.22290 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 11, a(2) = 44}, ogf]

A033585 10.6460 [ -2\*x\*(3\*x+5)/(x-1)^3 ogf]

A033585 27.5743 -6\*(x+3)/(3\*x+5)/(x-1) lgdogf

A033585 5.46431 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 10, a(2) = 36}, ogf]

A033586 13.4884 [ -4\*x\*(x+3)/(x-1)^3 ogf]

A033586 38.5523 -2\*(5+x)/(x+3)/(x-1) lgdogf

A033586 6.92327 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 12, a(2) = 40}, ogf]

A033587 14.0276 [ -2\*x\*(x+7)/(x-1)^3 ogf]

A033587 38.2023 -2\*(x+11)/(x+7)/(x-1) lgdogf

A033587 7.20001 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 14, a(2) = 44}, ogf]

A033588 3.68771 [ -2\*x\*(5\*x+3)/(x-1)^3 ogf]

A033588 8.20865 -2\*(5\*x+7)/(5\*x+3)/(-1+x) lgdogf

A033589 10.6008 -6\*(1+30\*x+10\*x^3+55\*x^2)/(x-1)/(60\*x^3+75\*x^2+10\*x-1) lgdogf

A033589 7.28179 [ (60\*x^3+75\*x^2+10\*x-1)/(x-1)^4 ogf]

A033590 5.39960 [ -(360\*x^4+1665\*x^3+835\*x^2+19\*x+1)/(x-1)^5 ogf]

A033590 7.15061 -6\*(4+291\*x+60\*x^4+795\*x^3+1250\*x^2)/(x-1)/(360\*x^4+1665\*x^3+835\*x^2+19\*x+1) lgdogf

A033591 11.2904 -6\*(10+55\*x+x^3+30\*x^2)/(x-1)/(6\*x^3+81\*x^2+56\*x+1) lgdogf

A033591 7.45922 [ (6\*x^3+81\*x^2+56\*x+1)/(x-1)^4 ogf]

A033592 7.32306 [ -(24\*x^4+825\*x^3+1675\*x^2+355\*x+1)/(x-1)^5 ogf]

A033592 9.74745 -6\*(60+795\*x+4\*x^4+291\*x^3+1250\*x^2)/(x-1)/(24\*x^4+825\*x^3+1675\*x^2+355\*x+1) lgdogf

A033593 5.54845 [ -(120\*x^4+345\*x^3+115\*x^2-5\*x+1)/(x-1)^5 ogf]

A033593 8.47106 -30\*x\*(7+4\*x^3+39\*x^2+46\*x)/(x-1)/(120\*x^4+345\*x^3+115\*x^2-5\*x+1) lgdogf

A033594 12.8835 -6\*x\*(5+4\*x^2+15\*x)/(x-1)/(24\*x^3+9\*x^2+4\*x-1) lgdogf

A033594 7.68683 [ (24\*x^3+9\*x^2+4\*x-1)/(x-1)^4 ogf]

A033595 12.1796 -6\*x\*(7+7\*x^2+26\*x)/(x-1)/(21\*x^3+31\*x^2-5\*x+1) lgdogf

A033595 6.54543 [ -(21\*x^3+31\*x^2-5\*x+1)/(x-1)^5 ogf]

A033596 13.5238 -2\*x\*(1+x^2+18\*x)/(x-1)/(x^3+11\*x^2-5\*x+1) lgdogf

A033596 4.44421 [{(-3\*n^2-22\*n-39)\*a(n+1)+(16\*n^2+104\*n+144)\*a(n+2)+(-13\*n^2-42\*n-9)\*a(n+3), a(0) = 3, a(1) = 0, a(2) = 3}, ogf]

A033596 9.08816 [ -3\*(x^3+11\*x^2-5\*x+1)/(x-1)^5 ogf]

A033598 5.93444 [ -(x^4-x^3+3\*x^2-x+1)\*(x+1)^3/(x^2+1)/(x^2+x+1)/(x-1)^3 ogf]

A033598 7.51340 -(4+2\*x+4\*x^5+38\*x^4+4\*x^3+25\*x^6+2\*x^7+4\*x^8+25\*x^2)/(x-1)/(1+x)/(x^2+1)/(x^2+x+1)/(x^4-x^3+3\*x^2-x+1) lgdogf

A033619 7.96568 [ -x\*(x^97+2\*x^96-25890\*x^5+3237\*x^4-404\*x^3+51\*x^2-6\*x+1)/(3\*x^97-2\*x^96+25890\*x^7-55017\*x^6+32768\*x^5-4096\*x^4+512\*x^3-64\*x^2+8\*x-1) ogf]

A033622 5.74488 -(-5-28\*x+8\*x^2+108\*x^3+68\*x^4-96\*x^5-160\*x^6+32\*x^7+64\*x^8)/(x-1)/(2\*x+1)/(2\*x-1)/(8\*x^4+2\*x^3-8\*x^2-4\*x-1) lgdogf

A033622 7.49727 [ (8\*x^4+2\*x^3-8\*x^2-4\*x-1)/(x-1)/(2\*x+1)/(2\*x-1)/(2\*x^2-1) ogf]

A033626 3.50437 [ (32\*x^7-32\*x^6-120\*x^5-245333071\*x^4+142\*x^3+490666264\*x^2-54\*x-245333159)/(x-1)^3/(x+1)^3 ogf]

A033627 14.7253 [ (x^3+x^2+1)/(x-1)^2 ogf]

A033627 22.8601 (-2-2\*x+x^3-3\*x^2)/(x-1)/(x^3+x^2+1) lgdogf

A033627 7.36263 [{-a(n+4)+2\*a(n+3)-a(n+2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7}, ogf]

A033638 14.2380 [ -(x^3-x+1)/(x+1)/(x-1)^3 ogf]

A033638 21.3051 -(1+2\*x+x^4+2\*x^3)/(x-1)/(x+1)/(x^3-x+1) lgdogf

A033662 12.9918 [ -(x^5+2\*x^3+x^2-x-4)/(x-1)^2 ogf]

A033662 15.9898 (9-x+3\*x^5-5\*x^4+2\*x^3-6\*x^2)/(x-1)/(x^5+2\*x^3+x^2-x-4) lgdogf

A033685 10.7554 [ -(-2\*x^5-x^2)/(x^6+x^3+1) ogf\_with\_Euler\_transform]

A033686 19.7848  $[-(-4*x-2)/(x^2+x+1) \text{ ogf\_with\_Euler\_transform}]$   
A033687 17.4423  $[-(-2*x-1)/(x^2+x+1) \text{ ogf\_with\_Euler\_transform}]$   
A033690 16.7523  $[-(-8*x-4)/(x^2+x+1) \text{ ogf\_with\_Euler\_transform}]$   
A033691 11.1952  $-(2+2*x+3*x^4+x^6-2*x^7+x^8+5*x^2)/(x-1)/(x+1)/(x^2+1)/(x^5-2*x^4+x^3+1) \text{ lgdogf}$   
A033691 9.23436  $[-4*(x^5-2*x^4+x^3+1)/(x^2+1)/(x+1)/(x-1)^3 \text{ ogf}]$   
A033713 10.0296  $[-9*x/(x-1)/(10*x-1)^2 \text{ ogf}]$   
A033713 18.2585  $-3*(-7+10*x)/(10*x-1)/(x-1) \text{ lgdogf}$   
A033713 4.24981  $[{a(n+3)-21*a(n+2)+120*a(n+1)-100*a(n), a(0) = 0, a(1) = 9, a(2) = 189}], \text{ ogf}]$   
A033714 10.5068  $[-(100*x^2-11*x+1)/(x-1)/(10*x-1)^2 \text{ ogf}]$   
A033714 6.04139  $[{a(n+3)-21*a(n+2)+120*a(n+1)-100*a(n), a(0) = 1, a(1) = 10, a(2) = 190}], \text{ ogf}]$   
A033714 8.40359  $-10*(-1-6*x+100*x^3-12*x^2)/(x-1)/(10*x-1)/(100*x^2-11*x+1) \text{ lgdogf}$   
A033715 6.41732  $[-(2*x^6+x^4-x^3+3*x^2+x+2)/(-x^7-x^6-x^5-x^4-x^3-x^2-x-1) \text{ ogf\_with\_Euler\_transform}]$   
A033716 5.96290  $[-(2*x^8-2*x^7+3*x^6-2*x^5-x^4+x^3+4*x^2-3*x+2)/(-x^9-x^6-x^3-1) \text{ ogf\_with\_Euler\_transform}]$   
A033718 4.98021  $[-(-2*x^14+2*x^13-3*x^12+2*x^11-x^10+2*x^9-x^8-x^7+x^6+x^5-4*x^4+x^3-2*x^2+3*x-2)/(x^15+x^10+x^5+1) \text{ ogf\_with\_Euler\_transform}]$   
A033741 3.30287  $[-(-7*x^31-x^30-10*x^29-4*x^28-2*x^2+2*x-4)/(3*x^32+3*x^31+3*x^30+3*x^29+2*x^3+2*x^2+2*x+2) \text{ ogf\_with\_Euler\_transform}]$   
A033743 3.30287  $[-(7*x^33+x^32+10*x^31+4*x^30+2*x^2-2*x+4)/(-3*x^34-3*x^33-3*x^32-3*x^31-2*x^3-2*x^2-2*x-2) \text{ ogf\_with\_Euler\_transform}]$   
A033761 13.8570  $[-(2*x^2+x+1)/(-x^3-x^2-x-1) \text{ ogf\_with\_Euler\_transform}]$   
A033762 11.8177  $[-(2*x^2-x+1)/(-x^3-1) \text{ ogf\_with\_Euler\_transform}]$   
A033763 6.48554  $[-(-3*x^6-2*x^5-2*x^4-x^3-2*x^2-x-1)/(x^7+x^6+x^5+x^4+x^3+x^2+x+1) \text{ ogf\_with\_Euler\_transform}]$   
A033764 11.1465  $[-(2*x^4-x^3+x^2-x+1)/(-x^5-1) \text{ ogf\_with\_Euler\_transform}]$   
A033765 8.29928  $[-(4*x^8-x^7+2*x^5+x^4-x^3+2*x^2+1)/(-x^9-x^6-x^3-1) \text{ ogf\_with\_Euler\_transform}]$   
A033768 6.49168  $[-(3*x^8-x^7+x^6-2*x^5+x^4-x^3+2*x^2-x+1)/(-x^9-1) \text{ ogf\_with\_Euler\_transform}]$   
A033770 4.89309  $[-(2*x^10-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)/(-x^11-1) \text{ ogf\_with\_Euler\_transform}]$   
A033772 4.16371  $[-(2*x^12-x^11+x^10-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)/(-x^13-1) \text{ ogf\_with\_Euler\_transform}]$   
A033774 5.38393  $[-(-4*x^14+x^13-x^12+2*x^11-x^10+2*x^9-2*x^8+x^7-x^6+2*x^5-2*x^4+x^3-2*x^2+x-1)/(x^15+1) \text{ ogf\_with\_Euler\_transform}]$   
A033776 3.76043  $[-(2*x^16-x^15+x^14-x^13+x^12-x^11+x^10-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)/(-x^17-1) \text{ ogf\_with\_Euler\_transform}]$   
A033811 12.9246  $-(-10+2*x+3*x^3+13*x^2)/(x-1)/(x+3)/(x^2+x-1) \text{ lgdogf}$   
A033811 9.75754  $[-(x+3)/(x^2+x-1)/(x-1)^2 \text{ ogf}]$   
A033813 10.0921  $[-(3*x+4)/(x^2+x-1)/(x-1)^2 \text{ ogf}]$   
A033814 10.4266  $[-(4*x+7)/(x^2+x-1)/(x-1)^2 \text{ ogf}]$   
A033814 12.9671  $-(-25+3*x+12*x^3+32*x^2)/(x-1)/(4*x+7)/(x^2+x-1) \text{ lgdogf}$   
A033816 13.4540  $[-(2*x^2-x+3)/(x-1)^3 \text{ ogf}]$   
A033816 26.8403  $-2*(4+x+x^2)/(x-1)/(2*x^2-x+3) \text{ lgdogf}$   
A033816 7.26278  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 8, a(2) = 17}], \text{ ogf}]$   
A033817 7.95442  $[(11*x-7)/(x^2+x-1)/(x-1)^2 \text{ ogf}]$   
A033817 9.59138  $-(10-18*x+33*x^3-17*x^2)/(-1+x)/(11*x-7)/(x^2+x-1) \text{ lgdogf}$   
A033818 10.9430  $-(5-7*x+12*x^3-8*x^2)/(-1+x)/(4*x-3)/(x^2+x-1) \text{ lgdogf}$   
A033818 8.47511  $[(4*x-3)/(x^2+x-1)/(x-1)^2 \text{ ogf}]$   
A033876 14.5153  $1/4*((2*x+1)^(1/3)-1)*((2*x+1)^(1/3)+1)/(2*x+1)^(2/3) \text{ revogf}$   
A033876 7.37913  $[{(4*n+14)*a(n+1)+(-n-3)*a(n+2), a(0) = 3, a(1) = 15}], \text{ ogf}]$   
A033887 13.8701  $1/2/(x-1)*(-1-4*x+(1+4*x+20*x^2)^(1/2)) \text{ revogf}$   
A033887 17.5937  $[(x-1)/(x^2+4*x-1) \text{ ogf}]$   
A033887 18.0311  $-(x+1)*(x-3)/(x-1)/(x^2+4*x-1) \text{ lgdogf}$   
A033887 9.65510  $[{-a(n+2)+4*a(n+1)+a(n), a(0) = 1, a(1) = 3}], \text{ ogf}]$

A033888 10.2796 [ $\{a(n+2)-7a(n+1)+a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A033888 16.1395  $-1/2*(-3-7*x+(3+5*x)^(1/2)*(1+3*x)^(1/2)*3^(1/2))/x$  revogf  
A033888 22.5040 [ $3*x/(x^2-7*x+1)$  ogf]  
A033888 39.1959  $-( -7+2*x)/(x^2+1-7*x)$  lgdogf  
A033889 17.2104 [ $-(2*x-1)/(x^2-7*x+1)$  ogf]  
A033889 19.0481  $-1/2*(-1-7*x+(1+6*x+45*x^2)^(1/2))/(x+2)$  revogf  
A033889 21.7693  $-(5-2*x+2*x^2)/(-1+2*x)/(x^2-7*x+1)$  lgdogf  
A033889 9.44471 [ $\{a(n+2)-7a(n+1)+a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A033890 15.7986 [ $(x+1)/(x^2-7*x+1)$  ogf]  
A033890 15.8767  $-1/2*(-1-7*x+((1+3*x)*(1+15*x))^(1/2))/(x-1)$  revogf  
A033890 23.2858  $-(x+4)*(x-2)/(x+1)/(x^2-7*x+1)$  lgdogf  
A033890 8.66999 [ $\{-a(n+2)+7a(n+1)-a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A033891 11.7123 [ $-(x-2)/(x^2-7*x+1)$  ogf]  
A033891 12.5677  $-1/2*(-2-7*x+(4+24*x+45*x^2)^(1/2))/(x+1)$  revogf  
A033891 16.1024  $-(13-4*x+x^2)/(-2*x)/(x^2-7*x+1)$  lgdogf  
A033891 6.35006 [ $\{a(n+2)-7a(n+1)+a(n), a(0) = 2, a(1) = 13\}$ , ogf]  
A033930 7.05144 [ $(x^{11}-9*x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A033931 10.1571  $-2*(1+10*x+2*x^5+5*x^4+20*x^3+10*x^2)/(x-1)/(1+x)/(1+x^4+2*x^3+6*x^2+2*x)$  lgdogf  
A033931 5.56044 [ $\{(n^2+11*n+30)*a(n+1)+(-n^2-5*n-6)*a(n+3), a(0) = 6, a(1) = 12, a(2) = 60\}$ , ogf]  
A033931 8.21978 [ $6*(x^4+2*x^3+6*x^2+2*x+1)/(x-1)^4/(x+1)^4$  ogf]  
A033934 5.22267 [ $\{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 4, a(1) = 121, a(2) = 10201\}$ , ogf]  
A033934 8.89265 [ $-(1210*x^2-323*x+4)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A033937 10.0768 [ $-(x+2)/(x^2+x-1)/(x-1)^2$  ogf]  
A033937 14.6573  $-( -7+x+3*x^3+9*x^2)/(x+2)/(x-1)/(x^2+x-1)$  lgdogf  
A033940 12.2998  $-(3-2*x-2*x^5+5*x^6+7*x^4-10*x^3+13*x^2)/(x-1)/(1+x)/(x^2-x+1)/(5*x^3-x^2+2*x+1)$  lgdogf  
A033940 14.5310 [ $-(5*x^3-x^2+2*x+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A033951 13.1806 [ $-(2*x^2+5*x+1)/(x-1)^3$  ogf]  
A033951 23.1971  $-2*(4+7*x+x^2)/(x-1)/(2*x^2+5*x+1)$  lgdogf  
A033951 7.11517 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 8, a(2) = 23\}$ , ogf]  
A033954 14.0384 [ $-x*(x+7)/(x-1)^3$  ogf]  
A033954 37.5571  $-2*(x+11)/(x+7)/(x-1)$  lgdogf  
A033954 7.14452 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 22\}$ , ogf]  
A033960 10.4709 [ $-(2*x+3)/(x^2+x-1)/(x-1)^2$  ogf]  
A033960 13.8886  $-( -11+x+6*x^3+14*x^2)/(x-1)/(2*x+3)/(x^2+x-1)$  lgdogf  
A033991 14.3874 [ $-x*(5*x+3)/(x-1)^3$  ogf]  
A033991 33.6888  $-2*(5*x+7)/(5*x+3)/(x-1)$  lgdogf  
A033991 7.32216 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 14\}$ , ogf]  
A033994 12.4575 [ $(3*x+2)/(x-1)^4$  ogf]  
A033994 32.3980  $-(11+9*x)/(3*x+2)/(x-1)$  lgdogf  
A033994 4.96673 [ $\{(-2*n-6)*a(n+3)+(9-n)*a(n+2)+(12+3*n)*a(n+1), a(0) = 2, a(1) = 11, a(2) = 32\}$ , ogf]  
A033996 17.7819 [ $-8*x/(x-1)^3$  ogf]  
A033996 7.14452 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 24\}$ , ogf]  
A033996 98.5875  $-3/(x-1)$  lgdogf  
A033999 123.999  $-1/(x+1)$  lgdogf  
A033999 123.999  $-x/(x-1)$  revogf  
A033999 15.6239 [ $\{-a(n+1)-a(n), a(0) = 1\}$ , ogf]  
A033999 32.4978 [ $1/(x+1)$  ogf]  
A033999 38.5904 [ $[-1+x]$  ogf\_with\_Euler\_transform]  
A034000 10.0212  $1/3*(-1+(1+2*x)^(1/2)+2*(1+2*x)^(1/2)*x)/(1+2*x)^(3/2)$  revogf  
A034000 36.0762  $-5+(1-3*x)*f(x)$  lgdegf  
A034000 6.27814 [ $\{(-3*n-8)*a(n+1)+a(n+2), a(0) = 1, a(1) = 5\}$ , ogf]



A034001 16.9134 [  $1/(3*x-1)^2$  egf]  
A034001 54.6810  $-6/(3*x-1)$  lgdegf  
A034001 6.34252 [  $\{(-3*n-9)*a(n+1)+a(n+2), a(0) = 1, a(1) = 6\}$ , ogf]  
A034001 60.7566  $x/(1+3*x)$  revgef  
A034007 35.6753  $4*x/(-1+2*x)/(x-1)$  lgdogf  
A034007 5.21966 [  $\{-a(n+5)+4*a(n+4)-4*a(n+3), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 4, a(4) = 9\}$ , ogf]  
A034007 9.45591 [  $(x-1)^4/(2*x-1)^2$  ogf]  
A034008 16.0645 [  $-(x-1)^2/(2*x-1)$  ogf]  
A034008 41.9015  $2*x/(2*x-1)/(x-1)$  lgdogf  
A034008 8.70969 [  $\{-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 0, a(2) = 1\}$ , ogf]  
A034009 23.5586  $-4*(-2+3*x)/(-1+2*x)/(x-1)$  lgdogf  
A034009 4.08859 [  $\{(-n-3)*a(n+3)+(14+3*n)*a(n+2)+(-14-2*n)*a(n+1), a(0) = 1, a(1) = 8, a(2) = 38\}$ , ogf]  
A034009 9.06601 [  $1/(2*x-1)^2/(x-1)^4$  ogf]  
A034015 41.3697  $x/(x+1)/(2*x+1)^2$  revogf  
A034077 11.7276 [  $(127*x^6-64*x^5-32*x^4-16*x^3-8*x^2+17*x-26)/(x-1)$  ogf]  
A034077 9.86346  $(9+16*x-1018*x^5+224*x^4+96*x^3+40*x^2+635*x^6)/(x-1)/$   
 $(127*x^6-64*x^5-32*x^4-16*x^3-8*x^2+17*x-26)$  lgdogf  
A034106 12.3927 [  $-(17*x^2-41*x+26)/(x-1)^3$  ogf]  
A034106 19.4433  $-(37-48*x+17*x^2)/(x-1)/(17*x^2-41*x+26)$  lgdogf  
A034106 6.89679 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 26, a(1) = 37, a(2) = 50\}$ , ogf]  
A034107 6.52821  $-(17+20*x+8*x^5+36*x^4+30*x^3+23*x^2+5*x^{10}-6*x^9+2*x^7+15*x^6)/$   
 $(x-1)/(x^4+x^3+x^2+x+1)/(5*x^6-8*x^5+2*x^4+x^3+3*x^2-3*x+10)$  lgdogf  
A034107 7.50060 [  $-(5*x^6-8*x^5+2*x^4+x^3+3*x^2-3*x+10)/(x^4+x^3+x^2+x+1)/$   
 $(x-1)^3$  ogf]  
A034108 6.24501  $-(18+20*x+5*x^{10}-6*x^9+2*x^7+15*x^6+2*x^5+41*x^4+30*x^3+23*x^2)/$   
 $(x-1)/(x^4+x^3+x^2+x+1)/(6*x^7-7*x^6-2*x^5+2*x^4+x^3-3*x^2+8*x+5)$  lgdogf  
A034108 7.01858 [  $-(6*x^7-7*x^6-2*x^5+2*x^4+x^3-3*x^2+8*x+5)/(x^4+x^3+x^2+x+1)/$   
 $(x-1)^3$  ogf]  
A034109 6.22691  $-(19+20*x$   
 $+10*x^5+33*x^4+34*x^3+23*x^2+6*x^{10}-8*x^9+x^8+2*x^7+10*x^6)/(x-1)/(x^4+x^3+x^2+x$   
 $+1)/(6*x^6-10*x^5+3*x^4+x^3+2*x^2-3*x+11)$  lgdogf  
A034109 7.43303 [  $-(6*x^6-10*x^5+3*x^4+x^3+2*x^2-3*x+11)/(x^4+x^3+x^2+x+1)/$   
 $(x-1)^3$  ogf]  
A034110 6.74823  $-(6+12*x+x^{10}+6*x^8+12*x^7+18*x^6+28*x^5+25*x^4+24*x^3+18*x^2)/$   
 $(x-1)/(x^4+x^3+x^2+x+1)/(x^6-x^5+2*x^4+2*x^3+2*x^2+2*x+2)$  lgdogf  
A034110 7.57281 [  $-(x^6-x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^4+x^3+x^2+x+1)/(x-1)^3$   
ogf]  
A034111 12.6419 [  $-(13*x^2-32*x+21)/(x-1)^3$  ogf]  
A034111 19.8399  $-(31-38*x+13*x^2)/(x-1)/(13*x^2-32*x+21)$  lgdogf  
A034111 7.03549 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 21, a(1) = 31, a(2) = 43\}$ , ogf]  
A034112 6.23299  $-(13+18*x$   
 $+3*x^{10}-4*x^9+2*x^8+4*x^7+17*x^6+14*x^5+34*x^4+28*x^3+21*x^2)/(x-1)/$   
 $(x^4+x^3+x^2+x+1)/(3*x^6-5*x^5+2*x^4+x^3+3*x^2-x+7)$  lgdogf  
A034112 7.46229 [  $-(3*x^6-5*x^5+2*x^4+x^3+3*x^2-x+7)/(x^4+x^3+x^2+x+1)/(x-1)^3$   
ogf]  
A034113 6.21484  $-(14+18*x$   
 $+4*x^7+2*x^8-4*x^9+8*x^5+17*x^6+28*x^3+39*x^4+21*x^2+3*x^{10})/(x-1)/$   
 $(x^4+x^3+x^2+x+1)/(5*x^7-7*x^6+2*x^4+x^3-2*x^2+8*x+3)$  lgdogf  
A034113 7.49800 [  $-(5*x^7-7*x^6+2*x^4+x^3-2*x^2+8*x+3)/(x^4+x^3+x^2+x+1)/(x-1)^3$   
ogf]  
A034114 6.26340  $-(15+18*x$   
 $+4*x^7+3*x^8-6*x^9+16*x^5+12*x^6+32*x^3+31*x^4+21*x^2+4*x^{10})/(x-1)/$   
 $(x^4+x^3+x^2+x+1)/(4*x^6-7*x^5+3*x^4+x^3+2*x^2-x+8)$  lgdogf  
A034114 7.49800 [  $-(4*x^6-7*x^5+3*x^4+x^3+2*x^2-x+8)/(x^4+x^3+x^2+x+1)/(x-1)^3$   
ogf]  
A034115 5.92106  $-$   
 $(48+30*x-38*x^5+36*x^2+42*x^3+43*x^4-12*x^8-6*x^7+25*x^{10}-18*x^9)/(x-1)/$

$(x^4+x^3+x^2+x+1)/(25x^6-34x^5+2x^4+2x^3+2x^2-22x+35)$  lgdogf  
A034115 7.05293 [  $-(25x^6-34x^5+2x^4+2x^3+2x^2-22x+35)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A034126 15.3412  $-2*(-14+5x+x^3-4x^2)/(x-1)/(2x^3-7x^2+8x-9)$  lgdogf  
A034126 3.97370 [  $\{(55n^2+377n+534)*a(n+1)+(-74n^2-337n-294)*a(n+2)+(19n^2+68n+33)*a(n+3), a(0) = 9, a(1) = 28, a(2) = 65\}$ , ogf]  
A034126 9.75364 [  $-(2x^3-7x^2+8x-9)/(x-1)^4$  ogf]  
A034131 6.32512 [  $-(x^6-3x^5-7x^3-7x^2-4x-4)/(x^2+1)/(x+1)/(x-1)^4$  ogf]  
A034131 6.47665 [  $(-16-38x+x^9-3x^8-6x^7-34x^6-59x^5-81x^4-82x^3-66x^2)/(x-1)/(1+x)/(x^2+1)/(x^6-3x^5-7x^3-7x^2-4x-4)$  lgdogf]  
A034137 6.97421 [  $-x^{13}-x^{11}-x^9-x^7+x^6+x^4+x^2+1$  ogf\_with\_Euler\_transform]  
A034138 7.44488 [  $x^8/(x-1)-x^{17}/(x^2-1)-1/(x^2-1)$  ogf\_with\_Euler\_transform]  
A034139 8.18214 [  $-1/(x^2-1)+1/(x-1)*x^9-x^{19}/(x^2-1)$  ogf\_with\_Euler\_transform]  
A034140 8.78344 [  $-1/(x^2-1)+1/(x-1)*x^{10}-x^{21}/(x^2-1)$  ogf\_with\_Euler\_transform]  
A034164 12.5039  $-1/2*(-1-3x+(-1+3x)*(x-1))^{(1/2)}/(1+3x)^2$  revogf  
A034164 5.59203 [  $\{(-9n-24)*a(n+1)+(n+4)*a(n+2), a(0) = 1, a(1) = 5\}$ , ogf]  
A034171 23.8460  $x*(1+3x^2+3x)/(1+3x)^3$  revogf  
A034171 5.79174 [  $\{(-9n-21)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 6\}$ , ogf]  
A034176 34.0104  $-7+(1-4x)*f(x)$  lgdegf  
A034176 5.85671 [  $\{(-4n-11)*a(n+1)+a(n+2), a(0) = 1, a(1) = 7\}$ , ogf]  
A034176 9.44734  $1/4*(-1+(1+3x)^{(1/3)}+3*(1+3x)^{(1/3)}x)/(1+3x)^{(4/3)}$  revogf  
A034177 15.4124 [  $1/(4x-1)^2$  egf]  
A034177 5.88787 [  $\{(-4n-12)*a(n+1)+a(n+2), a(0) = 1, a(1) = 8\}$ , ogf]  
A034177 56.9921  $x/(1+4x)$  revogf  
A034182 12.7127 [  $(x+1)^2/(x-1)/(x^2+2x-1)$  ogf]  
A034182 17.7179 [  $(-5+5x+3x^2+x^3)/(x-1)/(x+1)/(x^2+2x-1)$  lgdogf]  
A034182 6.86260 [  $\{-a(n+3)+3a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 15\}$ , ogf]  
A034184 3.30438 [  $-(x^8-x^7-2x^6-9x^5+14x^4-11x^3-6x^2+5x+1)/(x-1)/(x^2+2x-1)/(x^6-7x^5+x^4+6x^3-11x^2+7x-1)$  ogf]  
A034188 10.0582 [  $(1+6x+7x^6+15x^4+24x^3+8x^7+18x^5+9x^2)/(3x^2+1+x+x^8+6x^4+3x^3+3x^6+3x^5+x^7)$  lgdogf]  
A034198 11.2091 [  $(-3-9x-12x^2-10x^3+6x^5+4x^6)/(x-1)/(x+1)/(x^2+x+1)/(x^3-x-1)$  lgdogf]  
A034198 9.41514 [  $-x*(x^3-x-1)/(x^2+x+1)/(x+1)/(x-1)^4$  ogf]  
A034214 7.55048 [  $(1+4x+14x^6+24x^5+8x^7+25x^4+20x^3+9x^8+12x^2)/(x+1)/(x^8+2x^6+2x^5+3x^4+2x^3+2x^2+1)$  lgdogf]  
A034255 15.4539  $x*(2x+1)*(8x^2+4x+1)/(1+4x)^4$  revogf  
A034255 4.87207 [  $\{(-16n-36)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 10\}$ , ogf]  
A034256 5.51256 [  $\{(-16n+4)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 4\}$ , ogf]  
A034262 23.6910 [  $(-5+5x+2x^2)/(x-1)/(x^2+x+1)$  lgdogf]  
A034262 28.6642 [  $[-x^2+5]$  ogf\_with\_Euler\_transform]  
A034262 4.37407 [  $\{(-3-n)*a(n+4)+5a(n+3)+5a(n+2)+(n+2)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 10, a(3) = 30\}$ , ogf]  
A034262 9.88659 [  $2x*(x^2+x+1)/(x-1)^4$  ogf]  
A034263 32.4010 [  $-3*(3+5x)/(3x+1)/(x-1)$  lgdogf]  
A034263 5.21025 [  $\{(n+3)*a(n+3)+(-5+2n)*a(n+2)+(-18-3n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 39\}$ , ogf]  
A034263 9.89948 [  $(3x+1)/(x-1)^6$  ogf]  
A034264 28.4479 [  $(11+24x)/(4x+1)/(x-1)$  lgdogf]  
A034264 4.59038 [  $\{(-2-n)*a(n+3)+(8-3n)*a(n+2)+(24+4n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 11\}$ , ogf]  
A034264 7.45320 [  $-x*(4x+1)/(x-1)^7$  ogf]  
A034265 28.6268 [  $(13+35x)/(5x+1)/(x-1)$  lgdogf]  
A034265 4.57939 [  $\{(n+3)*a(n+3)+(-5+4n)*a(n+2)+(-40-5n)*a(n+1), a(0) = 1, a(1) = 13, a(2) = 76\}$ , ogf]  
A034265 7.14946 [  $(5x+1)/(x-1)^8$  ogf]  
A034266 26.8037 [  $-3*(5+16x)/(6x+1)/(x-1)$  lgdogf]  
A034266 5.28982 [  $\{(-2-n)*a(n+3)+(10-5n)*a(n+2)+(48+6n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 15\}$ , ogf]  
A034266 7.11550 [  $-x*(6x+1)/(x-1)^9$  ogf]

A034299 11.5450 [  $1/(x-1)/(2*x-1)/(x+1)^2$  ogf]  
A034299 15.7782  $-(-1-5*x+8*x^2)/(x-1)/(2*x-1)/(x+1)$  lgdogf  
A034300 35.6740  $-8+(1-5*x)*f(x)$  lgdegf  
A034300 6.13708 [  $\{(-5*n-13)*a(n+1)+a(n+2), a(0) = 1, a(1) = 8\}$ , ogf]  
A034300 9.90944  $1/5*(-1+(1+3*x)^(2/3)+3*(1+3*x)^(2/3)*x)/(1+3*x)^(5/3)$  revegef  
A034301 35.8588  $-9+(1-5*x)*f(x)$  lgdegf  
A034301 6.16824 [  $\{(-5*n-14)*a(n+1)+a(n+2), a(0) = 1, a(1) = 9\}$ , ogf]  
A034301 9.96079  $1/5*(-1+(1+4*x)^(1/4)+4*(1+4*x)^(1/4)*x)/(1+4*x)^(5/4)$  revegef  
A034323 35.3043  $-7+(1-5*x)*f(x)$  lgdegf  
A034323 6.07478 [  $\{(-5*n-12)*a(n+1)+a(n+2), a(0) = 1, a(1) = 7\}$ , ogf]  
A034323 7.15628  $1/5*(-1+(1+2*x)^(1/2)+4*(1+2*x)^(1/2)*x+4*(1+2*x)^(1/2)*x^2)/(1+2*x)^(5/2)$  revegef  
A034324 15.9604  $-2*(1-2*x+10*x^2+3*x^3)/(x-1)/(6*x^3+x^2-2*x+1)$  lgdogf  
A034324 3.96370 [  $\{(157*n^2+857*n+1086)*a(n+1)+(-296*n^2-1216*n-684)*a(n+2)+(139*n^2+413*n-12)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 3\}$ , ogf]  
A034324 9.93500 [  $(6*x^3+x^2-2*x+1)/(x-1)^4$  ogf]  
A034325 16.0018 [  $1/(5*x-1)^2$  egf]  
A034325 45.7477  $-10/(-1+5*x)$  lgdegf  
A034325 6.22292 [  $\{(-5*n-15)*a(n+1)+a(n+2), a(0) = 1, a(1) = 10\}$ , ogf]  
A034325 60.9970  $x/(1+5*x)$  revegef  
A034326 6.33216 [  $-$   
 $(12*x^11+11*x^10+10*x^9+9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A034379 15.4753 [  $x^7+x^4+x^2+x+2$  ogf\_with\_Euler\_transform]  
A034379 4.40506 [  $1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^4+1)/(x+1)^2/(x-1)^6$  ogf]  
A034385 29.9258  $-4+(1-16*x)*f(x)$  lgdogf  
A034385 4.62401 [  $\{(-n-2)*a(n+2)+(20+16*n)*a(n+1), a(0) = 1, a(1) = 4\}$ , ogf]  
A034405 5.69989 [  $\{(2*n^2+9*n+10)*a(n+1)+(-3*n-8)*a(n+2)+a(n+3), a(0) = 1, a(1) = 2, a(2) = 7\}$ , egf]  
A034429 5.39682  $(5540*n+16620)*a(n+3)+(58806+41591*n)*a(n+2)-60234*a(n+1), a(0)=5, a(1)=22, a(2)=-7$  lgdogf  
A034430 27.2112  $-(-2+3*x)/(2*x-1)/(-1+x)$  lgdegf  
A034430 4.65071 [  $\{(2*n^2+9*n+10)*a(n+1)+(-3*n-8)*a(n+2)+a(n+3), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
A034432 5.11865  $(28812*n+86436)*a(n+3)+(214307+177983*n)*a(n+2)-394683*a(n+1), a(0)=4, a(1)=59/3, a(2)=15$  lgdogf  
A034433 8.51951 [  $-(-16*x^7-8*x^6-8*x^5-8*x^4-8*x^3-8*x^2-8*x-8)/(x^8-1)$  ogf\_with\_Euler\_transform]  
A034436 6.98339 [  $-(-24*x^8-12*x^7-12*x^6-12*x^5-12*x^4-12*x^3-12*x^2-12*x-12)/(x^9-1)$  ogf\_with\_Euler\_transform]  
A034472 14.3356 [  $-2*(2*x-1)/(3*x-1)/(x-1)$  ogf]  
A034472 16.2070  $-2*(1-3*x+3*x^2)/(x-1)/(3*x-1)/(-1+2*x)$  lgdogf  
A034472 7.86712 [  $\{a(n+2)-4*a(n+1)+3*a(n), a(0) = 2, a(1) = 4\}$ , ogf]  
A034474 13.5319 [  $-2*(3*x-1)/(x-1)/(5*x-1)$  ogf]  
A034474 15.6992  $-(3-10*x+15*x^2)/(x-1)/(3*x-1)/(5*x-1)$  lgdogf  
A034474 7.42604 [  $\{a(n+2)-6*a(n+1)+5*a(n), a(0) = 2, a(1) = 6\}$ , ogf]  
A034478 13.1198 [  $-(3*x-1)/(x-1)/(5*x-1)$  ogf]  
A034478 15.2112  $-(3-10*x+15*x^2)/(x-1)/(3*x-1)/(5*x-1)$  lgdogf  
A034478 7.19987 [  $\{a(n+2)-6*a(n+1)+5*a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A034488 8.02199 [  $-2*(36*x^3-47*x^2+18*x-2)/(x-1)/(6*x-1)/(3*x-1)/(2*x-1)$  ogf]  
A034491 12.9149 [  $-2*(4*x-1)/(x-1)/(7*x-1)$  ogf]  
A034491 14.5946  $-2*(2-7*x+14*x^2)/(x-1)/(7*x-1)/(4*x-1)$  lgdogf  
A034491 7.08746 [  $\{a(n+2)-8*a(n+1)+7*a(n), a(0) = 2, a(1) = 8\}$ , ogf]  
A034494 12.5155 [  $-(4*x-1)/(x-1)/(7*x-1)$  ogf]  
A034494 13.4443  $-2*(2-7*x+14*x^2)/(x-1)/(-1+7*x)/(-1+4*x)$  lgdogf  
A034494 6.86826 [  $\{a(n+2)-8*a(n+1)+7*a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A034496 6.32885 [  $-(120*x^3-140*x^2+45*x-4)/(8*x-1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A034513 4.90740 [  $\{-a(n+3)+13*a(n+2)-39*a(n+1)+27*a(n), a(0) = 3, a(1) = 13, a(2) = 91\}$ , ogf]  
A034513 7.39984  $-(13-156*x+750*x^2-1404*x^3+1053*x^4)/(x-1)/(-1+3*x)/(9*x-1)/$

(39\*x^2-26\*x+3) lgdogf  
 A034513 8.69948 [ -(39\*x^2-26\*x+3)/(x-1)/(3\*x-1)/(9\*x-1) ogf]  
 A034517 7.93188 [ -2\*(90\*x^3-97\*x^2+27\*x-2)/(x-1)/(2\*x-1)/(5\*x-1)/(10\*x-1) ogf]  
 A034524 11.5615 [ -2\*(6\*x-1)/(11\*x-1)/(x-1) ogf]  
 A034524 13.2534 -2\*(3-11\*x+33\*x^2)/(x-1)/(6\*x-1)/(11\*x-1) lgdogf  
 A034524 6.52884 [{a(n+2)-12\*a(n+1)+11\*a(n), a(0) = 2, a(1) = 12}, ogf]  
 A034583 13.0579 [ -(8\*x^7+8\*x^6+8\*x^5+8\*x^4+4\*x^3+4\*x^2+2\*x+1)/(2\*x^2-1)/(2\*x^2+1)/(2\*x^2+2\*x+1)/(2\*x^2-2\*x+1) ogf]  
 A034584 10.0269 [ x\*(x^7+x^3+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
 A034659 11.3770 [ -(6\*x-1)/(11\*x-1)/(x-1) ogf]  
 A034659 12.7599 -2\*(3-11\*x+33\*x^2)/(x-1)/(6\*x-1)/(11\*x-1) lgdogf  
 A034659 6.36569 [{a(n+2)-12\*a(n+1)+11\*a(n), a(0) = 1, a(1) = 6}, ogf]  
 A034660 3.63390 [ -2\*(2016\*x^5-3444\*x^4+2100\*x^3-574\*x^2+70\*x-3)/(x-1)/(6\*x-1)/(3\*x-1)/(2\*x-1)/(12\*x-1)/(4\*x-1) ogf]  
 A034661 3.51982 [ -(12636\*x^5-19188\*x^4+9855\*x^3-2132\*x^2+195\*x-6)/(x-1)/(6\*x-1)/(3\*x-1)/(9\*x-1)/(2\*x-1)/(18\*x-1) ogf]  
 A034662 4.08141 [ -6\*(2800\*x^5-4060\*x^4+1974\*x^3-406\*x^2+35\*x-1)/(x-1)/(4\*x-1)/(20\*x-1)/(2\*x-1)/(5\*x-1)/(10\*x-1) ogf]  
 A034663 5.76325 [ -4\*(168\*x^3-131\*x^2+24\*x-1)/(x-1)/(3\*x-1)/(7\*x-1)/(21\*x-1) ogf]  
 A034665 3.46853 [ -3\*(21504\*x^5-27776\*x^4+11160\*x^3-1736\*x^2+105\*x-2)/(x-1)/(4\*x-1)/(2\*x-1)/(8\*x-1)/(16\*x-1)/(32\*x-1) ogf]  
 A034687 11.7351 x\*(50\*x^2+125\*x^3+1+125\*x^4+10\*x)/(5\*x+1)^5 revogf  
 A034687 4.81964 [{(-25\*n-55)\*a(n+1)+(n+3)\*a(n+2), a(0) = 1, a(1) = 15}, ogf]  
 A034688 34.1756 -5+(1-25\*x)\*f(x) lgdogf  
 A034688 5.26549 [{(-n-2)\*a(n+2)+(30+25\*n)\*a(n+1), a(0) = 1, a(1) = 5}, ogf]  
 A034689 16.1549 1/3\*x\*(3+6\*x+4\*x^2)/(1+2\*x)^3 revegf  
 A034689 31.2328 -8+(1-6\*x)\*f(x) lgdegf  
 A034689 5.38567 [{(-6\*n-14)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 8}, ogf]  
 A034691 28.0931 [1/(-2\*x+1) ogf\_with\_Euler\_transform]  
 A034720 10.2386 [ (7\*x^2+12\*x+1)/(x-1)^4 ogf]  
 A034720 18.4834 -2\*(8+25\*x+7\*x^2)/(x-1)/(7\*x^2+12\*x+1) lgdogf  
 A034721 14.0189 -2\*(1+12\*x+3\*x^3+24\*x^2)/(x-1)/(6\*x^3+15\*x^2-2\*x+1) lgdogf  
 A034721 9.35136 [ (6\*x^3+15\*x^2-2\*x+1)/(x-1)^4 ogf]  
 A034723 20.4870 1/2\*x\*(2+3\*x)/(1+3\*x)^2 revegf  
 A034723 47.1201 -9/(6\*x-1) lgdegf  
 A034723 5.41610 [{(-6\*n-15)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 9}, ogf]  
 A034724 29.9578 -10+(1-6\*x)\*f(x) lgdegf  
 A034724 5.44619 [{(-6\*n-16)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 10}, ogf]  
 A034724 8.87639 1/6\*(-1+(1+4\*x)^(1/2)+4\*(1+4\*x)^(1/2)\*x)/(1+4\*x)^(3/2) revegf  
 A034787 30.2963 -11+(1-6\*x)\*f(x) lgdegf  
 A034787 5.50637 [{(-6\*n-17)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 11}, ogf]  
 A034787 8.97668 1/6\*(-1+(1+5\*x)^(1/5)+5\*(1+5\*x)^(1/5)\*x)/(1+5\*x)^(6/5) revegf  
 A034788 14.4687 [ 1/(6\*x-1)^2 egf]  
 A034788 45.0521 -12/(6\*x-1) lgdegf  
 A034788 5.62672 [{(-6\*n-18)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 12}, ogf]  
 A034788 55.0637 x/(6\*x+1) revegf  
 A034789 11.3167 x\*(3\*x+1)\*(12\*x^2+6\*x+1)\*(36\*x^2+6\*x+1)/(6\*x+1)^6 revogf  
 A034789 5.28606 [{(-36\*n-78)\*a(n+1)+(n+3)\*a(n+2), a(0) = 1, a(1) = 21}, ogf]  
 A034793 7.45945 (2-2\*x+49\*x^6+10\*x^5+16\*x^3-29\*x^4+20\*x^8-60\*x^7)/(x-1)/(x+1)/(4\*x^7-11\*x^6+11\*x^5-6\*x^4+2\*x^3-2\*x^2+2\*x-1) lgdogf  
 A034793 9.57516 [ (x+1)\*(4\*x^7-11\*x^6+11\*x^5-6\*x^4+2\*x^3-2\*x^2+2\*x-1)/(x-1)^3 ogf]  
 A034803 8.30916 [ (x^8-2\*x^7+3\*x^6-x^5+2\*x^3-1)/(x^9+x^6+3\*x^3-1) ogf]  
 A034804 8.20994 [ -x\*(x^2+1)\*(x^4-2\*x^3+x^2+1)/(x^9+x^6+3\*x^3-1) ogf]  
 A034827 12.0249 [ -2\*x^4/(x-1)^5 ogf]  
 A034827 5.57035 [{(-2+n)\*a(n+2)+(-2-n)\*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 2}, ogf]  
 A034827 84.1743 -5/(-1+x) lgdogf  
 A034828 19.3686 -(3+10\*x+4\*x^3+7\*x^2)/(x-1)/(x+1)/(x^2+x+1) lgdogf  
 A034828 33.4472 [-x^2+2\*x+3 ogf\_with\_Euler\_transform]

A034828 9.03906 [  $x^{2^*}(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A034829 32.4966  $-9+(1-7*x)*f(x)$  lgdegf  
A034829 5.13104  $1/7*(-1+(1+2*x)^{(1/2)}+6*(1+2*x)^{(1/2)}*x$   
 $+12*(1+2*x)^{(1/2)}*x^2+8*(1+2*x)^{(1/2)}*x^3)/(1+2*x)^{(7/2)}$  revegef  
A034829 7.64011 [  $\{(-7*n-16)*a(n+1)+a(n+2), a(0) = 1, a(1) = 9\}$ , ogf]  
A034830 30.9733  $-10+(1-7*x)*f(x)$  lgdegf  
A034830 6.69693  $1/7*(-1+(1+3*x)^{(1/3)}+6*(1+3*x)^{(1/3)}*x+9*(1+3*x)^{(1/3)}*x^2)/$   
 $(1+3*x)^{(7/3)}$  revegef  
A034830 7.64967 [  $\{(-7*n-17)*a(n+1)+a(n+2), a(0) = 1, a(1) = 10\}$ , ogf]  
A034831 30.9733  $-11+(1-7*x)*f(x)$  lgdegf  
A034831 7.64967 [  $\{(-7*n-18)*a(n+1)+a(n+2), a(0) = 1, a(1) = 11\}$ , ogf]  
A034831 9.17728  $1/7*(-1+(1+4*x)^{(3/4)}+4*(1+4*x)^{(3/4)}*x)/(1+4*x)^{(7/4)}$  revegef  
A034832 31.1426  $-12+(1-7*x)*f(x)$  lgdegf  
A034832 7.68114 [  $\{(-7*n-19)*a(n+1)+a(n+2), a(0) = 1, a(1) = 12\}$ , ogf]  
A034832 9.22743  $1/7*(-1+(1+5*x)^{(2/5)}+5*(1+5*x)^{(2/5)}*x)/(1+5*x)^{(7/5)}$  revegef  
A034833 31.3118  $-13+(1-7*x)*f(x)$  lgdegf  
A034833 5.68690 [  $\{(-7*n-20)*a(n+1)+a(n+2), a(0) = 1, a(1) = 13\}$ , ogf]  
A034833 9.27758  $1/7*(-1+6*(6*x+1)^{(1/6)}*x+(6*x+1)^{(1/6)})/(6*x+1)^{(7/6)}$  revegef  
A034834 20.0753 [  $1/(7*x-1)^2$  egf]  
A034834 42.2004  $-14/(-1+7*x)$  lgdegf  
A034834 56.2673  $x/(1+7*x)$  revegef  
A034834 7.80707 [  $\{(-7*n-21)*a(n+1)+a(n+2), a(0) = 1, a(1) = 14\}$ , ogf]  
A034835 35.1772  $-7+(1-49*x)*f(x)$  lgdogf  
A034835 5.41440 [  $\{(-n-2)*a(n+2)+(56+49*n)*a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A034840 5.81214 [  $-3*(16*x^{10}-4*x^9-4*x^8-4*x^7-4*x^6-17*x^5-4*x^4-4*x^3-4*x^2-4*x-37)/(x+1)/$   
 $(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A034856 13.6682 [  $(x^2-x-1)/(x-1)^3$  ogf]  
A034856 29.2100  $-(x-2)*(x+2)/(x-1)/(x^2-x-1)$  lgdogf  
A034856 7.44429 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 8\}$ ,  
ogf]  
A034857 11.0144 [  $(4*x^3-12*x^2+10*x-1)/(x-1)^4$  ogf]  
A034857 12.2951  $-2*(3+3*x+2*x^3-6*x^2)/(x-1)/(4*x^3-12*x^2+10*x-1)$  lgdogf  
A034857 4.78096 [  $\{(3*n^2-3*n-18)*a(n+1)+(-13*n^2-65*n-96)*a(n+2)+(10*n^2+47*n$   
 $+51)*a(n+3), a(0) = -1, a(1) = 6, a(2) = 18\}$ , ogf]  
A034858 5.96679 [  $(7*x^4-25*x^3+27*x^2-3*x-7)/(x-1)^5$  ogf]  
A034858 8.82681  $-(-38+42*x+7*x^4-22*x^3+6*x^2)/(x-1)/(7*x^4-25*x^3+27*x^2-3*x-7)$   
lgdogf  
A034859 5.77094 [  $(3*x^6-7*x^5+7*x^3+2*x^2-5*x-1)/(x-1)^5$  ogf]  
A034859 7.63711  $(x^2-x-1)*(3*x^4-15*x^3+23*x^2-6*x-10)/(x-1)/$   
 $(3*x^6-7*x^5+7*x^3+2*x^2-5*x-1)$  lgdogf  
A034860 10.2770 [  $-3*(7*x+1)/(x-1)^5$  egf]  
A034860 20.7769  $-4*(3+7*x)/(7*x+1)/(x-1)$  lgdegf  
A034860 4.27714 [  $\{(7*n^2+49*n+70)*a(n+1)+(2*n^2+13*n+42)*a(n+2)+(-2*n-6)*a(n+3),$   
 $a(0) = 3, a(1) = 36, a(2) = 300\}$ , ogf]  
A034861 12.6153  $-5*(5+44*x+14*x^2)/(x-1)/(14*x^2+32*x-1)$  lgdegf  
A034861 6.58203 [  $-8*(14*x^2+32*x-1)/(x-1)^7$  egf]  
A034862 3.83078 [  $\{(898*n^3+8688*n^2+20990*n)*a(n)+(309*n^3+2677*n^2+9864*n$   
 $+16296)*a(n+1)+(-309*n^2-1103*n-970)*a(n+2), a(0) = 4, a(1) = 200\}$ , ogf]  
A034862 5.03914 [  $4*(3*x^7-21*x^6+63*x^5-105*x^4+105*x^3-91*x^2-43*x-1)/(x-1)^7$   
egf]  
A034863 5.05256 [  $(71*x^3+577*x^2+253*x-61)/(x-1)^8$  egf]  
A034863 7.45824  $-5*(-47+585*x+71*x^3+735*x^2)/(x-1)/(71*x^3+577*x^2+253*x-61)$   
lgdegf  
A034865 57.1847  $-6/(x-1)$  lgdegf  
A034865 6.12339 [  $\{(-n^2-8*n-12)*a(n+1)+(n+1)*a(n+2), a(0) = 0, a(1) = 60\}$ , ogf]  
A034865 9.47867 [  $60*x/(x-1)^6$  egf]  
A034866 3.74854 [  $4*(x^6-6*x^5+15*x^4-20*x^3+15*x^2+9*x+1)/(x-1)^6$  egf]  
A034866 8.16924  $-15*(1+5*x)/(x-1)/(x^6-6*x^5+15*x^4-20*x^3+15*x^2+9*x+1)$  lgdegf  
A034887 12.2950 [  $(x^7+x^4+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$   
ogf]

A034896 7.94972  $[-(4*x^8-4*x^7+6*x^6-4*x^5-2*x^4+2*x^3+8*x^2-6*x+4)/(-x^9-x^6-x^3-1)]$  ogf\_with\_Euler\_transform  
A034899 30.8445  $[2/(-2*x+1)]$  ogf\_with\_Euler\_transform  
A034904 4.86446  $[{-49*n-105}*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 28]$ , ogf  
A034904 7.79590  $x*(245*x^2+1715*x^3+1+7203*x^4+16807*x^5+16807*x^6+21*x)/(7*x+1)^7$  revogf  
A034908 16.0736  $x*(x+1)*(1+2*x+2*x^2)/(1+2*x)^4$  revegfg  
A034908 31.1426  $-10+(1-8*x)*f(x)$  lgdegf  
A034908 7.74411  $[{-8*n-18}*a(n+1)+a(n+2), a(0) = 1, a(1) = 10]$ , ogf  
A034909 26.7205  $-11+(1-8*x)*f(x)$  lgdegf  
A034909 4.86760  $[{-8*n-19}*a(n+1)+a(n+2), a(0) = 1, a(1) = 11]$ , ogf  
A034910 22.9182  $x*(1+2*x)/(1+4*x)^2$  revegfg  
A034910 36.2871  $-12/(-1+8*x)$  lgdegf  
A034910 4.95557  $[{-8*n-20}*a(n+1)+a(n+2), a(0) = 1, a(1) = 12]$ , ogf  
A034911 27.2153  $-13+(1-8*x)*f(x)$  lgdegf  
A034911 4.95557  $[{-8*n-21}*a(n+1)+a(n+2), a(0) = 1, a(1) = 13]$ , ogf  
A034911 8.06379  $1/8*(-1+(1+5*x)^(3/5)+5*(1+5*x)^(3/5)*x)/(1+5*x)^(8/5)$  revegfg  
A034912 27.2153  $-14+(1-8*x)*f(x)$  lgdegf  
A034912 4.95557  $[{-8*n-22}*a(n+1)+a(n+2), a(0) = 1, a(1) = 14]$ , ogf  
A034912 8.06379  $1/8*(-1+6*(6*x+1)^(1/3)*x+(6*x+1)^(1/3))/(6*x+1)^(4/3)$  revegfg  
A034933 7.64972  $[-(3*x^8-4*x^7+6*x^6-3*x^5-2*x^4+2*x^3+6*x^2-6*x+4)/(-x^9-x^6-x^3-1)]$  ogf\_with\_Euler\_transform  
A034943 11.2455  $[(2*x-1)/(x^3-2*x^2+3*x-1)]$  ogf  
A034943 12.6640  $-(x-1)*(4*x^2-3*x+1)/(2*x-1)/(x^3-2*x^2+3*x-1)$  lgdogf  
A034943 5.32154  $[{a(n+3)-3*a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 1}]$ , ogf  
A034948 5.85405  $[-x^3*(9*x^18-x^17-x^16-x^14-x^12-x^10-x^8-x^6-x^4-x^2-1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^8-x^6+x^4-x^2+1)/(x-1)^2/(x+1)^2]$  ogf  
A034949 3.56590  $[-(-3*x^15+2*x^14-3*x^13+2*x^12-x^11+2*x^10-3*x^9+2*x^8-2*x^7+2*x^6-3*x^5+2*x^4-x^3+2*x^2-3*x+2)/(x^16-1)]$  ogf\_with\_Euler\_transform  
A034950 8.08854  $[-(3*x^7-2*x^6+3*x^5-2*x^4+2*x^3-2*x^2+3*x-2)/(-x^8+1)]$  ogf\_with\_Euler\_transform  
A034951 10.4659  $[-(-4*x^7+2*x^6-x^5+2*x^4-5*x^3+2*x^2-x+2)/(x^8-1)]$  ogf\_with\_Euler\_transform  
A034952 12.9874  $[-(-6*x^3-2*x^2-2*x-2)/(x^4-1)]$  ogf\_with\_Euler\_transform  
A034967 12.8531  $[45*x/(10*x-1)^2]$  ogf  
A034967 20.7391  $4/5*x/(3+(9+8*x)^(1/2))^2$  revogfg  
A034967 39.8829  $-20/(-1+10*x)$  lgdogf  
A034967 6.19973  $[{a(n+2)-20*a(n+1)+100*a(n), a(0) = 0, a(1) = 45}]$ , ogf  
A034975 27.5452  $-15+(1-8*x)*f(x)$  lgdegf  
A034975 5.01421  $[{-8*n-23}*a(n+1)+a(n+2), a(0) = 1, a(1) = 15]$ , ogf  
A034975 8.16154  $1/8*(-1+(1+7*x)^(1/7)+7*(1+7*x)^(1/7)*x)/(1+7*x)^(8/7)$  revegfg  
A034976 12.8937  $[1/(8*x-1)^2]$  egf  
A034976 36.7269  $-16/(-1+8*x)$  lgdegf  
A034976 48.9692  $x/(1+8*x)$  revegfg  
A034976 5.01421  $[{-8*n-24}*a(n+1)+a(n+2), a(0) = 1, a(1) = 16]$ , ogf  
A034977 11.1854  $64+(-16+1024*x)*f(x)+(4096*x^2+1-128*x)*f(x)^2$  lgdogf  
A034977 4.95625  $[{-n-2}*a(n+2)+(72+64*n)*a(n+1), a(0) = 1, a(1) = 8]$ , ogf  
A034996 4.37400  $[{-64*n-136}*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 36]$ , ogf  
A034996 6.69327  $x*(4*x+1)*(32*x^2+8*x+1)*(2048*x^4+1024*x^3+192*x^2+16*x+1)/(1+8*x)^8$  revogfg  
A034998 21.8650  $[-8/(x+1)]$  ogf\_with\_Euler\_transform  
A034999 13.6651  $[(3*x-1)*(x-1)/(7*x^2-6*x+1)]$  ogf  
A034999 15.1147  $-2*(2-7*x+7*x^2)/(-1+2*x)/(7*x^2-6*x+1)$  lgdogf  
A034999 15.9317  $-(-1-3*x+(1+2*x+2*x^2)^(1/2))/(4+7*x)$  revogfg  
A034999 7.10047  $[{a(n+3)-6*a(n+2)+7*a(n+1), a(0) = 1, a(1) = 2, a(2) = 8}]$ , ogf  
A035005 10.7506  $[4*x*(2*x+3)/(x-1)^4]$  ogf  
A035005 29.1161  $-2*(7+3*x)/(2*x+3)/(x-1)$  lgdogf  
A035005 4.66801  $[{(6+3*n)*a(n+3)+(-15-n)*a(n+2)+(-6-2*n)*a(n+1), a(0) = 0, a(1)$

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= 12, a(2) = 56}], ogf]
A035006 11.1926 [ 4*x*(x+2)/(x-1)^4 ogf]
A035006 35.8303 -3*(x+3)/(x+2)/(x-1) lgdogf
A035006 4.81800 [ {(4+2*n)*a(n+3)+(-10-n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 8, a(2) = 36}, ogf]
A035007 3.13832 [ 4*x*(x+1)/(x-1)^4 ogf]
A035007 9.30912 -(3*x+5)/(-1+x)/(x+1) lgdogf
A035007 9.50600 [[5-x] ogf_with_Euler_transform]
A035008 16.4945 [ -16*x/(x-1)^3 ogf]
A035008 6.71458 [ {a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 16, a(2) = 48}, ogf]
A035008 93.4417 -3/(x-1) lgdogf
A035012 27.2153 -11+(1-9*x)*f(x) lgdegf
A035012 4.95557 [ {(-9*n-20)*a(n+1)+a(n+2), a(0) = 1, a(1) = 11}, ogf]
A035013 17.4178 x*(1+3*x+3*x^2)/(1+3*x)^3 revegf
A035013 27.2153 -12+(1-9*x)*f(x) lgdegf
A035013 4.95557 [ {(-9*n-21)*a(n+1)+a(n+2), a(0) = 1, a(1) = 12}, ogf]
A035016 17.1495 [ -(-8*x-16)/(x^2-1) ogf_with_Euler_transform]
A035017 27.3802 -13+(1-9*x)*f(x) lgdegf
A035017 4.98489 [ {(-9*n-22)*a(n+1)+a(n+2), a(0) = 1, a(1) = 13}, ogf]
A035017 5.84112 1/9*(-1+(1+4*x)^(1/4)+8*(1+4*x)^(1/4)*x+16*(1+4*x)^(1/4)*x^2)/(1+4*x)^(9/4) revegf
A035018 27.5452 -14+(1-9*x)*f(x) lgdegf
A035018 5.01421 [ {(-9*n-23)*a(n+1)+a(n+2), a(0) = 1, a(1) = 14}, ogf]
A035018 8.16154 1/9*(-1+(1+5*x)^(4/5)+5*(1+5*x)^(4/5)*x)/(1+5*x)^(9/5) revegf
A035020 27.8751 -15+(1-9*x)*f(x) lgdegf
A035020 5.07286 [ {(-9*n-24)*a(n+1)+a(n+2), a(0) = 1, a(1) = 15}, ogf]
A035020 8.25928 1/9*(-1+6*(6*x+1)^(1/2)*x+(6*x+1)^(1/2))/(6*x+1)^(3/2) revegf
A035021 28.2050 -16+(1-9*x)*f(x) lgdegf
A035021 5.13151 [ {(-9*n-25)*a(n+1)+a(n+2), a(0) = 1, a(1) = 16}, ogf]
A035021 8.35702 1/9*(-1+(1+7*x)^(2/7)+7*(1+7*x)^(2/7)*x)/(1+7*x)^(9/7) revegf
A035022 28.6998 -17+(1-9*x)*f(x) lgdegf
A035022 5.21948 [ {(-9*n-26)*a(n+1)+a(n+2), a(0) = 1, a(1) = 17}, ogf]
A035022 8.50364 1/9*(-1+(1+8*x)^(1/8)+8*(1+8*x)^(1/8)*x)/(1+8*x)^(9/8) revegf
A035023 13.4215 [ 1/(9*x-1)^2 egf]
A035023 41.7451 -18/(9*x-1) lgdegf
A035023 5.21948 [ {(-9*n-27)*a(n+1)+a(n+2), a(0) = 1, a(1) = 18}, ogf]
A035023 51.0218 x/(1+9*x) revegf
A035024 28.5348 -9+(1-81*x)*f(x) lgdogf
A035024 4.40674 [ {(-n-2)*a(n+2)+(90+81*n)*a(n+1), a(0) = 1, a(1) = 9}, ogf]
A035028 3.66065 [ {(n+2)*a(n+1)+(-7*n-20)*a(n+2)+(7*n+36)*a(n+3)+(-n-6)*a(n+4), a(0) = 4, a(1) = 20, a(2) = 104, a(3) = 552}, ogf]
A035038 10.1647 [ -x^6/(2*x-1)/(x-1)^6 ogf]
A035038 31.9981 -2*(-4+7*x)/(2*x-1)/(x-1) lgdogf
A035038 4.12939 [ {(-2*n-4)*a(n+1)+(3*n-4)*a(n+2)+(-n+3)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 1}, ogf]
A035039 25.7851 -(-9+16*x)/(-1+2*x)/(x-1) lgdogf
A035039 7.20716 [ x^7/(2*x-1)/(x-1)^7 ogf]
A035040 16.9581 a(n+2)-3*a(n+1)+2*a(n), a(0)=10, a(1)=12 lgdogf
A035040 6.57759 [ -x^8/(2*x-1)/(x-1)^8 ogf]
A035041 17.8081 a(n+2)-3*a(n+1)+2*a(n), a(0)=11, a(1)=13 lgdogf
A035041 6.20262 [ x^9/(2*x-1)/(x-1)^9 ogf]
A035042 17.5436 a(n+2)-3*a(n+1)+2*a(n), a(0)=12, a(1)=14 lgdogf
A035042 5.44470 [ -x^10/(2*x-1)/(x-1)^10 ogf]
A035045 3.39560 [ {(-3*n^2-15*n-18)*a(n+1)+(-5*n^2-41*n-78)*a(n+2)+(-n^2-15*n-52)*a(n+3)+(n^2+11*n+28)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 12, a(3) = 35}, ogf]
A035097 4.61835 [ {(-81*n-171)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 45}, ogf]
A035097 5.81222 (27*x^2+9*x+1)*(177147*x^6+118098*x^5+32805*x^4+5103*x^3+486*x^2+27*x+1)*x/(9*x+1)^9 revogf
A035101 4.41666 [ {(4*n^2+22*n+30)*a(n+1)+(-4*n-13)*a(n+2)+a(n+3), a(0) = 0, a(1)

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= 1, a(2) = 9}], ogf]
A035104 11.9058 [(3*x^3-x^2-2*x-1)/(x+1)/(x-1)^3 ogf]
A035104 14.1311 [(-4-10*x+3*x^4+4*x^3+x^2)/(-1+x)/(x+1)/(3*x^3-x^2-2*x-1) lgdogf]
A035106 11.4645 [(x^2-x+1)*(x^2-x-1)/(x+1)/(x-1)^3 ogf]
A035106 16.0929 [-2*(-1-x-2*x^2+x^3)/(x-1)/(x+1)/(x^2-x+1)/(x^2-x-1) lgdogf]
A035107 13.8168 [-(9+7*x+4*x^4-6*x^3-6*x^2)/(x-1)/(x+1)/(2*x^3-4*x^2+3) lgdogf]
A035107 9.39916 [(2*x^3-4*x^2+3)/(x+1)/(x-1)^4 ogf]
A035118 24.8012 [72/(x-1) ogf_with_Euler_transform]
A035119 3.07000 [{(-4*n^3-30*n^2-74*n-60)*a(n+1)+(4*n^2+19*n+18)*a(n+2)+(-1-n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1}], ogf]
A035150 22.8836 [96/(x-1) ogf_with_Euler_transform]
A035162 8.54338 [-(2*x^6-x^5+x^4-x^3+x^2-x+1)/(-x^7-1) ogf_with_Euler_transform]
A035174 14.3454 [1/(2048*x^2+24*x+1) ogf]
A035174 17.9634 [-8*(3+512*x)/(2048*x^2+1+24*x) lgdogf]
A035174 6.10090 [-a(n+2)-24*a(n+1)-2048*a(n), a(0) = 1, a(1) = -24}], ogf]
A035190 21.6673 [120/(x-1) ogf_with_Euler_transform]
A035265 25.9249 [-12+(1-10*x)*f(x) lgdegf]
A035265 4.95911 [{(-10*n-22)*a(n+1)+a(n+2), a(0) = 1, a(1) = 12}], ogf]
A035265 9.79384 [1/5*x*(5+16*x^4+20*x+40*x^2+40*x^3)/(1+2*x)^5 revegf]
A035272 26.2354 [-13+(1-10*x)*f(x) lgdegf]
A035272 5.01711 [{(-10*n-23)*a(n+1)+a(n+2), a(0) = 1, a(1) = 13}], ogf]
A035273 27.0116 [-14+(1-10*x)*f(x) lgdegf]
A035273 5.16212 [{(-10*n-24)*a(n+1)+a(n+2), a(0) = 1, a(1) = 14}], ogf]
A035273 6.04206 [1/10*(-1+(1+4*x)^(1/2)+8*(1+4*x)^(1/2)*x+16*(1+4*x)^(1/2)*x^2)/(1+4*x)^(5/2) revegf]
A035274 19.9651 [1/2*x*(2+5*x)/(1+5*x)^2 revegf]
A035274 35.3228 [-15/(-1+10*x) lgdegf]
A035274 5.16212 [{(-10*n-25)*a(n+1)+a(n+2), a(0) = 1, a(1) = 15}], ogf]
A035275 27.0116 [-16+(1-10*x)*f(x) lgdegf]
A035275 5.16212 [{(-10*n-26)*a(n+1)+a(n+2), a(0) = 1, a(1) = 16}], ogf]
A035275 8.34903 [1/10*(-1+6*(6*x+1)^(2/3)*x+(6*x+1)^(2/3))/(6*x+1)^(5/3) revegf]
A035276 27.0116 [-17+(1-10*x)*f(x) lgdegf]
A035276 5.16212 [{(-10*n-27)*a(n+1)+a(n+2), a(0) = 1, a(1) = 17}], ogf]
A035276 8.19994 [1/10*(-1+(1+7*x)^(3/7)+7*(1+7*x)^(3/7)*x)/(1+7*x)^(10/7) revegf]
A035277 27.0116 [-18+(1-10*x)*f(x) lgdegf]
A035277 5.16212 [{(-10*n-28)*a(n+1)+a(n+2), a(0) = 1, a(1) = 18}], ogf]
A035277 8.34903 [1/10*(-1+(1+8*x)^(1/4)+8*(1+8*x)^(1/4)*x)/(1+8*x)^(5/4) revegf]
A035278 27.1668 [-19+(1-10*x)*f(x) lgdegf]
A035278 5.19112 [{(-10*n-29)*a(n+1)+a(n+2), a(0) = 1, a(1) = 19}], ogf]
A035278 8.24706 [1/10*(-1+9*(9*x+1)^(1/9)*x+(9*x+1)^(1/9))/(9*x+1)^(10/9) revegf]
A035279 13.1220 [1/(10*x-1)^2 egf]
A035279 35.5258 [-20/(-1+10*x) lgdegf]
A035279 46.1836 [x/(1+10*x) revegf]
A035279 5.19112 [{(-10*n-30)*a(n+1)+a(n+2), a(0) = 1, a(1) = 20}], ogf]
A035286 22.3703 [-3*(-13+2*x+x^2)/(x-1)/(x^2+x-8) lgdogf]
A035286 3.70720 [{(145*n^2+483*n+386)*a(n+1)+(-804*n^2-5230*n-9906)*a(n+2)+(659*n^2+2691*n+2032)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 32}], ogf]
A035286 8.21482 [4*x^2*(x^2+x-8)/(x-1)^5 ogf]
A035287 22.0397 [-3*(3+6*x+x^2)/(x-1)/(x^2+4*x+1) lgdogf]
A035287 3.59724 [{(n+3)*a(n+4)+(-3+3*n)*a(n+3)+(-21-3*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 36, a(3) = 144}], ogf]
A035287 8.52204 [-4*x*(x^2+4*x+1)/(x-1)^5 ogf]
A035288 20.9507 [-(13+14*x+3*x^2)/(x-1)/(x+2)/(x+1) lgdogf]
A035288 3.61452 [{(6+2*n)*a(n+4)+(-11+n)*a(n+3)+(-16-2*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 8, a(2) = 52, a(3) = 184}], ogf]
A035288 8.60600 [-4*x*(x+2)*(x+1)/(x-1)^5 ogf]
A035289 14.5812 [-2*(-7-6*x+4*x^3-6*x^2)/(x-1)/(4*x^3-8*x^2+x-3) lgdogf]
A035289 3.76111 [{(14*n^2+96*n+136)*a(n+1)+(-27*n^2-119*n-36)*a(n+2)+(13*n^2+27*n+2)*a(n+3), a(0) = 0, a(1) = 12, a(2) = 56}], ogf]
A035289 7.40218 [4*x*(4*x^3-8*x^2+x-3)/(x-1)^5 ogf]
A035290 12.4052 [-(25+44*x+x^4-4*x^3-6*x^2)/(x-1)/(x+1)/(x^3-5*x^2+7*x+3) lgdogf]

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A035290 6.74756 [  $-2*x^2*(x+1)*(x^3-5*x^2+7*x+3)/(x-1)^5$  ogf]  
A035291 33.4165  $-(11+4*x)/(x+2)/(x-1)$  lgdogf  
A035291 4.72532 [  $\{(2+2*n)*a(n+3)+(-11-n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 16\}$ , ogf]  
A035291 8.85998 [  $-8*x^2*(x+2)/(x-1)^5$  ogf]  
A035302 10.5509 [  $x*(4*x-1)/(4*x^3-4*x^2+2*x-1)$  ogf]  
A035302 12.2708  $-2*(1+4*x-14*x^2+16*x^3)/(-1+4*x)/(4*x^3-4*x^2+2*x-1)$  lgdogf  
A035302 5.41802 [  $\{-a(n+3)+2*a(n+2)-4*a(n+1)+4*a(n), a(0) = 0, a(1) = 1, a(2) = -2\}$ , ogf]  
A035308 22.5146  $-10+(1-100*x)*f(x)$  lgdogf  
A035308 3.81213 [  $\{(-n-2)*a(n+2)+(110+100*n)*a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A035319 3.59497 [  $\{(-32*n^3-144*n^2-214*n-105)*a(n+1)+(2*n+5)*a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A035323 4.07097 [  $\{(-100*n-210)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 55\}$ , ogf]  
A035328 10.0032 [  $3*x*(x^2+6*x+1)/(x-1)^4$  ogf]  
A035328 22.1032  $-2*(5+10*x+x^2)/(x-1)/(x^2+6*x+1)$  lgdogf  
A035328 3.87560 [  $\{(n+3)*a(n+4)+5*n*a(n+3)+(-25-5*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 30, a(3) = 105\}$ , ogf]  
A035329 14.4228  $-2*(33-22*x+5*x^2)/(x-1)/(5*x^2-18*x+21)$  lgdogf  
A035329 7.72647 [  $3*x*(5*x^2-18*x+21)/(x-1)^4$  ogf]  
A035330 9.78962  $-75+400*x+(5-60*x+160*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$  lgdogf  
A035332 7.01641 [  $(x^{11}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A035333 7.84871  $(23-x+555*x^8+184*x^7+280*x^6-450*x^5+150*x^4-539*x^3)/(x-1)/(20*x^16-10*x^15-77*x^9-23*x^8+x-12)$  lgdogf  
A035344 14.9995 [  $-1/(x-1)/(2*x^2-4*x+1)$  ogf]  
A035344 15.4983  $-(5-12*x+6*x^2)/(x-1)/(2*x^2-4*x+1)$  lgdogf  
A035344 4.91135 [  $\{a(n+3)-5*a(n+2)+6*a(n+1)-2*a(n), a(0) = 1, a(1) = 5, a(2) = 19\}$ , ogf]  
A035360 18.5269 [  $-(-x^2-1)/(-x^3+1)$  ogf\_with\_Euler\_transform]  
A035361 18.4337 [  $-(x^2+x)/(x^3-1)$  ogf\_with\_Euler\_transform]  
A035363 25.4047 [  $x/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A035371 20.9122 [  $-(-x-1)/(-x^5+1)$  ogf\_with\_Euler\_transform]  
A035377 23.6391 [  $x^2/(-x^3+1)$  ogf\_with\_Euler\_transform]  
A035382 34.3669 [  $1/(-x^3+1)$  ogf\_with\_Euler\_transform]  
A035384 14.3856 [  $-x/(x^5-x^4+x^3-x^2+x-1)$  ogf\_with\_Euler\_transform]  
A035385 16.3038 [  $-(-x^3-x)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A035386 30.0128 [  $x/(-x^3+1)$  ogf\_with\_Euler\_transform]  
A035430 19.6448 [  $-(-x^5-1)/(-x^7+1)$  ogf\_with\_Euler\_transform]  
A035433 19.3160 [  $-(x^4+x)/(x^7-1)$  ogf\_with\_Euler\_transform]  
A035435 17.8006 [  $-(-x^3-x^2)/(-x^7+1)$  ogf\_with\_Euler\_transform]  
A035444 22.2884 [  $x^3/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A035451 34.3970 [  $1/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A035457 25.6140 [  $x/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A035460 18.1250 [  $-x^2/(x^6-x^4+x^2-1)$  ogf\_with\_Euler\_transform]  
A035462 30.5202 [  $x^2/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A035471 11.1100  $-8*(x+1)*(x^2+6*x+1)/(x-1)/(x^4+4*x^3+22*x^2+4*x+1)$  lgdogf  
A035471 6.74819 [  $(x^4+4*x^3+22*x^2+4*x+1)/(x-1)^4$  ogf]  
A035472 5.72397 [  $(x^2+6*x+1)*(x^4+14*x^2+1)/(x-1)^6$  ogf]  
A035472 8.65773  $-12*(x+1)*(x^4+4*x^3+22*x^2+4*x+1)/(x-1)/(1+6*x+x^2)/(x^4+14*x^2+1)$  lgdogf  
A035473 4.86154 [  $(x^8+8*x^7+28*x^6+56*x^5+326*x^4+56*x^3+28*x^2+8*x+1)/(x-1)^8$  ogf]  
A035473 7.96226  $-16*(x+1)*(1+6*x+x^2)*(x^4+14*x^2+1)/(x-1)/(x^8+8*x^7+28*x^6+56*x^5+326*x^4+56*x^3+28*x^2+8*x+1)$  lgdogf  
A035474 3.66895 [  $(x^2+6*x+1)*(x^8+4*x^7+20*x^6-4*x^5+214*x^4-4*x^3+20*x^2+4*x+1)/(x-1)^{10}$  ogf]  
A035508 11.9258 [  $x*(x-2)/(x-1)/(x^2-3*x+1)$  ogf]  
A035508 13.9536  $-(-7+16*x+2*x^3-10*x^2)/(-2+x)/(x-1)/(1+x^2-3*x)$  lgdogf  
A035508 6.12405 [  $\{-a(n+3)+4*a(n+2)-4*a(n+1)+a(n), a(0) = 0, a(1) = 2, a(2) = 7\}$ , ogf]

A035520 3.32278 [ $\{( -4n^3 - 30n^2 - 74n - 60) a(n+1) + (4n^2 + 17n + 9) a(n+2) - n a(n+3) \}$ ,  
 $a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1$ ], ogf]  
A035597 33.1861 [[ $6 - 2x$ ] ogf\_with\_Euler\_transform]  
A035597 34.5571  $-2*(x+3)/(x-1)/(x+1)$  lgdogf  
A035597 5.23922 [ $\{(n+2)*a(n+3) - 6*a(n+2) + (-2-n)*a(n+1)\}$ ,  $a(0) = 0, a(1) = 2, a(2) = 12$ ], ogf]  
A035597 9.61719 [ $2*x*(x+1)^2/(x-1)^4$  ogf]  
A035598 32.4676 [[ $8 - 3*x$ ] ogf\_with\_Euler\_transform]  
A035598 33.8531  $-2*(x+4)/(x-1)/(x+1)$  lgdogf  
A035598 5.13164 [ $\{(n+2)*a(n+3) - 8*a(n+2) + (-2-n)*a(n+1)\}$ ,  $a(0) = 0, a(1) = 2, a(2) = 16$ ], ogf]  
A035598 7.55648 [ $-2*x*(x+1)^3/(x-1)^5$  ogf]  
A035599 30.4562 [[ $10 - 4*x$ ] ogf\_with\_Euler\_transform]  
A035599 33.3097  $-2*(x+5)/(x-1)/(x+1)$  lgdogf  
A035599 5.01108 [ $\{(n+2)*a(n+3) - 10*a(n+2) + (-2-n)*a(n+1)\}$ ,  $a(0) = 0, a(1) = 2, a(2) = 20$ ], ogf]  
A035599 6.20639 [ $2*x*(x+1)^4/(x-1)^6$  ogf]  
A035600 35.1204 [[ $12 - 5*x$ ] ogf\_with\_Euler\_transform]  
A035600 38.4697  $-2*(6+x)/(x-1)/(x+1)$  lgdogf  
A035600 5.77624 [ $\{(n+2)*a(n+3) - 12*a(n+2) + (-2-n)*a(n+1)\}$ ,  $a(0) = 0, a(1) = 2, a(2) = 24$ ], ogf]  
A035600 6.04490 [ $-2*x*(x+1)^5/(x-1)^7$  ogf]  
A035601 28.7305 [[ $14 - 6*x$ ] ogf\_with\_Euler\_transform]  
A035601 31.4753  $-2*(7+x)/(x-1)/(x+1)$  lgdogf  
A035601 4.34961 [ $2*x*(x+1)^6/(x-1)^8$  ogf]  
A035601 4.73624 [ $\{(n+2)*a(n+3) - 14*a(n+2) + (-2-n)*a(n+1)\}$ ,  $a(0) = 0, a(1) = 2, a(2) = 28$ ], ogf]  
A035602 26.7245 [[ $16 - 7*x$ ] ogf\_with\_Euler\_transform]  
A035602 29.2918  $-2*(x+8)/(x-1)/(1+x)$  lgdogf  
A035602 3.56583 [ $-2*x*(x+1)^7/(x-1)^9$  ogf]  
A035602 4.41106 [ $\{(n+2)*a(n+3) - 16*a(n+2) + (-2-n)*a(n+1)\}$ ,  $a(0) = 0, a(1) = 2, a(2) = 32$ ], ogf]  
A035603 28.1691 [[ $18 - 8*x$ ] ogf\_with\_Euler\_transform]  
A035603 3.23547 [ $2*x*(x+1)^8/(x-1)^{10}$  ogf]  
A035603 30.9012  $-2*(9+x)/(x-1)/(x+1)$  lgdogf  
A035603 4.64950 [ $\{(n+2)*a(n+3) - 18*a(n+2) + (-2-n)*a(n+1)\}$ ,  $a(0) = 0, a(1) = 2, a(2) = 36$ ], ogf]  
A035604 3.50946 [ $-2*x*(x+1)^9/(x-1)^{11}$  ogf]  
A035604 34.0620 [[ $20 - 9*x$ ] ogf\_with\_Euler\_transform]  
A035604 35.6265  $-2*(10+x)/(x-1)/(x+1)$  lgdogf  
A035604 5.61513 [ $\{(n+2)*a(n+3) - 20*a(n+2) + (-2-n)*a(n+1)\}$ ,  $a(0) = 0, a(1) = 2, a(2) = 40$ ], ogf]  
A035605 23.5620 [[ $22 - 10*x$ ] ogf\_with\_Euler\_transform]  
A035605 25.7587  $-2*(x+11)/(x-1)/(x+1)$  lgdogf  
A035605 4.07559 [ $\{(n+2)*a(n+3) - 22*a(n+2) + (-2-n)*a(n+1)\}$ ,  $a(0) = 0, a(1) = 2, a(2) = 44$ ], ogf]  
A035606 24.2238 [[ $24 - 11*x$ ] ogf\_with\_Euler\_transform]  
A035606 26.4946  $-2*(12+x)/(x-1)/(1+x)$  lgdogf  
A035606 4.19007 [ $\{(n+2)*a(n+3) - 24*a(n+2) + (-2-n)*a(n+1)\}$ ,  $a(0) = 0, a(1) = 2, a(2) = 48$ ], ogf]  
A035608 14.2068 [ $-x*(3*x+1)/(x+1)/(x-1)^3$  ogf]  
A035608 22.8015  $-(5+10*x+9*x^2)/(x-1)/(1+3*x)/(x+1)$  lgdogf  
A035608 4.11060 [ $\{(-3-n)*a(n+4) + (-1-3*n)*a(n+3) + (11+n)*a(n+2) + (9+3*n)*a(n+1)\}$ ,  
 $a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 10$ ], ogf]  
A035609 11.3598  $1600 + (-80 + 80*x^2)*f(x) + (x^4 + 1 - 2*x^2)*f(x)^2$  lgdogf  
A035610 12.1618  $-4*(-2 + 24*x + (1 - 12*x)^{(1/2)})/(16*x - 1)/(-1 + 12*x)$  lgdogf  
A035610 15.5401  $1/3*(1 - 8*x + 2*(1 - 4*x + 16*x^2)^{(1/2)})*x$  revogf  
A035610 5.59196 [ $\{(-192*n - 288)*a(n+1) + (28*n + 66)*a(n+2) + (-n - 3)*a(n+3)\}$ ,  $a(0) = 1, a(1) = 4, a(2) = 28$ ], ogf]  
A035611 11.7631  $1936 + (-88 + 88*x^2)*f(x) + (x^4 + 1 - 2*x^2)*f(x)^2$  lgdogf  
A035613 8.30977  $(111 - 180*x - 2*x^4 - 2*x^5 - 16*x^6 + 12*x^3 + 66*x^2 + 18*x^7)/(x-1)/$

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(3*x^7+x^6+x^5+x^4+8*x^3+90*x^2+1111000*x-1111111) lgdogf
A035613 9.34270 [(3*x^7+x^6+x^5+x^4+8*x^3+90*x^2+1111000*x-1111111)/(x-1) ogf]
A035615 3.59321 [(4*x^7-3*x^6+2*x^5-4*x^4+2*x^3+4*x^2-4*x+1)/(x-1)/(2*x-1)/(x
+1)/(x^2+x-1)^2 ogf]
A035706 16.7051 [-(x+1)^11/(x-1)^11 ogf]
A035706 27.9467 [[22-11*x] ogf_with_Euler_transform]
A035706 31.3966 -22+(1-x^2)*f(x) lgdogf
A035706 6.03241 [{(n+2)*a(n+2)-22*a(n+1)-n*a(n), a(0) = 1, a(1) = 22}, ogf]
A035707 26.8786 [[24-12*x] ogf_with_Euler_transform]
A035707 32.7286 -24+(1-x^2)*f(x) lgdogf
A035707 5.80646 [{(n+2)*a(n+2)-24*a(n+1)-n*a(n), a(0) = 1, a(1) = 24}, ogf]
A035708 27.9537 [[26-13*x] ogf_with_Euler_transform]
A035708 33.8703 -26+(1-x^2)*f(x) lgdogf
A035708 6.03872 [{(n+2)*a(n+2)-26*a(n+1)-n*a(n), a(0) = 1, a(1) = 26}, ogf]
A035709 24.6171 [[28-14*x] ogf_with_Euler_transform]
A035709 35.2023 -28+(1-x^2)*f(x) lgdogf
A035709 5.32791 [{(n+2)*a(n+2)-28*a(n+1)-n*a(n), a(0) = 1, a(1) = 28}, ogf]
A035710 25.3986 [[30-15*x] ogf_with_Euler_transform]
A035710 33.1403 -30+(1-x^2)*f(x) lgdogf
A035710 5.49705 [{(n+2)*a(n+2)-30*a(n+1)-n*a(n), a(0) = 1, a(1) = 30}, ogf]
A035711 25.9196 [[32-16*x] ogf_with_Euler_transform]
A035711 33.8892 -32+(1-x^2)*f(x) lgdogf
A035711 5.60981 [{(n+2)*a(n+2)-32*a(n+1)-n*a(n), a(0) = 1, a(1) = 32}, ogf]
A035712 31.3136 [[34-17*x] ogf_with_Euler_transform]
A035712 34.6381 -34+(1-x^2)*f(x) lgdogf
A035712 6.76453 [{(n+2)*a(n+2)-34*a(n+1)-n*a(n), a(0) = 1, a(1) = 34}, ogf]
A035713 24.8357 [[36-18*x] ogf_with_Euler_transform]
A035713 32.2048 -36+(1-x^2)*f(x) lgdogf
A035713 5.38122 [{(n+2)*a(n+2)-36*a(n+1)-n*a(n), a(0) = 1, a(1) = 36}, ogf]
A035714 25.2198 [[38-19*x] ogf_with_Euler_transform]
A035714 29.4456 -38+(1-x^2)*f(x) lgdogf
A035714 5.46444 [{(n+2)*a(n+2)-38*a(n+1)-n*a(n), a(0) = 1, a(1) = 38}, ogf]
A035715 25.9879 [[40-20*x] ogf_with_Euler_transform]
A035715 30.5295 -40+(1-x^2)*f(x) lgdogf
A035715 5.63086 [{(n+2)*a(n+2)-40*a(n+1)-n*a(n), a(0) = 1, a(1) = 40}, ogf]
A035716 26.3720 [[42-21*x] ogf_with_Euler_transform]
A035716 30.8908 -42+(1-x^2)*f(x) lgdogf
A035716 5.71407 [{(n+2)*a(n+2)-42*a(n+1)-n*a(n), a(0) = 1, a(1) = 42}, ogf]
A035717 27.0120 [[44-22*x] ogf_with_Euler_transform]
A035717 31.6134 -44+(1-x^2)*f(x) lgdogf
A035717 5.85277 [{(n+2)*a(n+2)-44*a(n+1)-n*a(n), a(0) = 1, a(1) = 44}, ogf]
A035718 22.2961 [[46-23*x] ogf_with_Euler_transform]
A035718 31.9747 -46+(1-x^2)*f(x) lgdogf
A035718 4.84405 [{(n+2)*a(n+2)-46*a(n+1)-n*a(n), a(0) = 1, a(1) = 46}, ogf]
A035719 22.7889 [[48-24*x] ogf_with_Euler_transform]
A035719 32.6973 -48+(1-x^2)*f(x) lgdogf
A035719 4.95109 [{(n+2)*a(n+2)-48*a(n+1)-n*a(n), a(0) = 1, a(1) = 48}, ogf]
A035720 23.1584 [[50-25*x] ogf_with_Euler_transform]
A035720 33.2393 -50+(1-x^2)*f(x) lgdogf
A035720 5.03139 [{(n+2)*a(n+2)-50*a(n+1)-n*a(n), a(0) = 1, a(1) = 50}, ogf]
A035721 23.2816 [[52-26*x] ogf_with_Euler_transform]
A035721 33.4199 -52+(1-x^2)*f(x) lgdogf
A035721 5.05815 [{(n+2)*a(n+2)-52*a(n+1)-n*a(n), a(0) = 1, a(1) = 52}, ogf]
A035722 23.6511 [[54-27*x] ogf_with_Euler_transform]
A035722 33.9618 -54+(1-x^2)*f(x) lgdogf
A035722 5.13844 [{(n+2)*a(n+2)-54*a(n+1)-n*a(n), a(0) = 1, a(1) = 54}, ogf]
A035723 23.8975 [[56-28*x] ogf_with_Euler_transform]
A035723 34.3231 -56+(1-x^2)*f(x) lgdogf
A035723 5.19196 [{(n+2)*a(n+2)-56*a(n+1)-n*a(n), a(0) = 1, a(1) = 56}, ogf]
A035724 24.1439 [[58-29*x] ogf_with_Euler_transform]
A035724 34.6844 -58+(1-x^2)*f(x) lgdogf

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A035724 5.24549 [ $\{(n+2)a(n+2)-58a(n+1)-n^2a(n), a(0) = 1, a(1) = 58\}$ , ogf]  
A035725 24.2670  $[[60-30x] \text{ ogf\_with\_Euler\_transform}]$   
A035725 34.8651  $-60+(1-x^2)*f(x) \text{ lgdogf}$   
A035725 5.27225 [ $\{(n+2)a(n+2)-60a(n+1)-n^2a(n), a(0) = 1, a(1) = 60\}$ , ogf]  
A035726 24.5134  $[[62-31x] \text{ ogf\_with\_Euler\_transform}]$   
A035726 35.2264  $-62+(1-x^2)*f(x) \text{ lgdogf}$   
A035726 5.32578 [ $\{(n+2)a(n+2)-62a(n+1)-n^2a(n), a(0) = 1, a(1) = 62\}$ , ogf]  
A035727 24.7598  $[[64-32x] \text{ ogf\_with\_Euler\_transform}]$   
A035727 31.6965  $-64+(1-x^2)*f(x) \text{ lgdogf}$   
A035727 5.37930 [ $\{(n+2)a(n+2)-64a(n+1)-n^2a(n), a(0) = 1, a(1) = 64\}$ , ogf]  
A035728 25.1293  $[[66-33x] \text{ ogf\_with\_Euler\_transform}]$   
A035728 32.2278  $-66+(1-x^2)*f(x) \text{ lgdogf}$   
A035728 5.45958 [ $\{(n+2)a(n+2)-66a(n+1)-n^2a(n), a(0) = 1, a(1) = 66\}$ , ogf]  
A035729 32.7590  $-68+(1-x^2)*f(x) \text{ lgdogf}$   
A035729 4.95812 [ $\{(n+2)a(n+2)-68a(n+1)-n^2a(n), a(0) = 1, a(1) = 68\}$ , ogf]  
A035730 33.1131  $-70+(1-x^2)*f(x) \text{ lgdogf}$   
A035730 5.01058 [ $\{(n+2)a(n+2)-70a(n+1)-n^2a(n), a(0) = 1, a(1) = 70\}$ , ogf]  
A035731 33.4673  $-72+(1-x^2)*f(x) \text{ lgdogf}$   
A035731 5.06306 [ $\{(n+2)a(n+2)-72a(n+1)-n^2a(n), a(0) = 1, a(1) = 72\}$ , ogf]  
A035732 33.4673  $-74+(1-x^2)*f(x) \text{ lgdogf}$   
A035732 5.06306 [ $\{(n+2)a(n+2)-74a(n+1)-n^2a(n), a(0) = 1, a(1) = 74\}$ , ogf]  
A035733 31.9772  $-76/(x-1)/(x+1) \text{ lgdogf}$   
A035733 5.11552 [ $\{(n+2)a(n+2)-76a(n+1)-n^2a(n), a(0) = 1, a(1) = 76\}$ , ogf]  
A035734 32.1620  $-78/(x-1)/(x+1) \text{ lgdogf}$   
A035734 5.16798 [ $\{(n+2)a(n+2)-78a(n+1)-n^2a(n), a(0) = 1, a(1) = 78\}$ , ogf]  
A035735 32.1620  $-80/(x-1)/(x+1) \text{ lgdogf}$   
A035735 5.16798 [ $\{(n+2)a(n+2)-80a(n+1)-n^2a(n), a(0) = 1, a(1) = 80\}$ , ogf]  
A035736 32.3469  $-82/(x-1)/(x+1) \text{ lgdogf}$   
A035736 5.19422 [ $\{(n+2)a(n+2)-82a(n+1)-n^2a(n), a(0) = 1, a(1) = 82\}$ , ogf]  
A035737 36.8317  $-84/(x-1)/(x+1) \text{ lgdogf}$   
A035737 5.22045 [ $\{(n+2)a(n+2)-84a(n+1)-n^2a(n), a(0) = 1, a(1) = 84\}$ , ogf]  
A035738 5.24669 [ $\{(n+2)a(n+2)-86a(n+1)-n^2a(n), a(0) = 1, a(1) = 86\}$ , ogf]  
A035739 26.9112  $-88+(1-x^2)*f(x) \text{ lgdogf}$   
A035739 5.27292 [ $\{(n+2)a(n+2)-88a(n+1)-n^2a(n), a(0) = 1, a(1) = 88\}$ , ogf]  
A035740 27.2498  $-90+(1-x^2)*f(x) \text{ lgdogf}$   
A035740 5.35162 [ $\{(n+2)a(n+2)-90a(n+1)-n^2a(n), a(0) = 1, a(1) = 90\}$ , ogf]  
A035741 27.7575  $-92+(1-x^2)*f(x) \text{ lgdogf}$   
A035741 5.43031 [ $\{(n+2)a(n+2)-92a(n+1)-n^2a(n), a(0) = 1, a(1) = 92\}$ , ogf]  
A035742 27.9268  $-94+(1-x^2)*f(x) \text{ lgdogf}$   
A035742 28.2089  $[[94-47x] \text{ ogf\_with\_Euler\_transform}]$   
A035742 6.12866 [ $\{(n+2)a(n+2)-94a(n+1)-n^2a(n), a(0) = 1, a(1) = 94\}$ , ogf]  
A035743 28.2653  $-96+(1-x^2)*f(x) \text{ lgdogf}$   
A035743 4.28775 [ $\{(n+2)a(n+2)-96a(n+1)-n^2a(n), a(0) = 1, a(1) = 96\}$ , ogf]  
A035744 28.2653  $-98+(1-x^2)*f(x) \text{ lgdogf}$   
A035744 4.28775 [ $\{(n+2)a(n+2)-98a(n+1)-n^2a(n), a(0) = 1, a(1) = 98\}$ , ogf]  
A035745 26.9212  $-100+(1-x^2)*f(x) \text{ lgdogf}$   
A035745 4.25903 [ $\{(n+2)a(n+2)-100a(n+1)-n^2a(n), a(0) = 1, a(1) = 100\}$ , ogf]  
A035746 3.73701  $[-(x+1)*(x^2+14x$   
 $+1)*(x^6+138*x^5+975*x^4+1868*x^3+975*x^2+138*x+1)/(x-1)^9 \text{ ogf}]$   
A035746 4.82899 [ $\{(-2n^2-n)a(n)+(4n^2+8n+166)a(n+1)+(-2n^2-7n-6)a(n+2),$   
 $a(0) = 1, a(1) = 162\}$ , ogf]  
A035747 3.20365  $[(x^2+6x$   
 $+1)*(x^8+184*x^7+3740*x^6+16136*x^5+25414*x^4+16136*x^3+3740*x^2+184*x+1)/$   
 $(x-1)^{10} \text{ ogf}]$   
A035747 4.78468 [ $\{(-2n^2-n)a(n)+(4n^2+8n+204)a(n+1)+(-2n^2-7n-6)a(n+2),$   
 $a(0) = 1, a(1) = 200\}$ , ogf]  
A035748 3.34082 [ $\{(-2n^2-n)a(n)+(4n^2+8n+246)a(n+1)+(-2n^2-7n-6)a(n+2),$   
 $a(0) = 1, a(1) = 242\}$ , ogf]  
A035749 3.16436 [ $\{(-2n^2-n)a(n)+(4n^2+8n+292)a(n+1)+(-2n^2-7n-6)a(n+2),$   
 $a(0) = 1, a(1) = 288\}$ , ogf]  
A035750 3.29315 [ $\{(-2n^2-n)a(n)+(4n^2+8n+342)a(n+1)+(-2n^2-7n-6)a(n+2),$

$a(0) = 1, a(1) = 338$ , ogf]  
A035751 3.44032 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+396)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 392$ , ogf]  
A035752 3.58751 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+454)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 450$ , ogf]  
A035753 3.29470 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+516)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 512$ , ogf]  
A035754 3.36671 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+582)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 578$ , ogf]  
A035755 3.49274 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+652)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 648$ , ogf]  
A035756 3.58276 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+726)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 722$ , ogf]  
A035757 3.23559 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+804)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 800$ , ogf]  
A035758 3.27076 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+886)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 882$ , ogf]  
A035759 2.98179 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+972)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 968$ , ogf]  
A035760 3.01124 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+1062)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 1058$ , ogf]  
A035761 3.02815 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+1156)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 1152$ , ogf]  
A035762 3.09582 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+1254)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 1250$ , ogf]  
A035763 3.14657 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+1356)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 1352$ , ogf]  
A035764 3.19732 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+1462)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 1458$ , ogf]  
A035765 3.19732 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+1572)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 1568$ , ogf]  
A035766 3.28191 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+1686)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 1682$ , ogf]  
A035767 3.33266 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+1804)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 1800$ , ogf]  
A035768 3.33266 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+1926)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 1922$ , ogf]  
A035769 3.34958 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+2052)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 2048$ , ogf]  
A035770 3.45108 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+2182)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 2178$ , ogf]  
A035771 3.48491 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+2316)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 2312$ , ogf]  
A035772 3.50183 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+2454)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 2450$ , ogf]  
A035773 3.09110 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+2596)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 2592$ , ogf]  
A035774 3.10754 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+2742)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 2738$ , ogf]  
A035775 3.12397 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+2892)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 2888$ , ogf]  
A035776 3.15686 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+3046)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 3042$ , ogf]  
A035777 3.18974 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+3204)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 3200$ , ogf]  
A035778 3.20619 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+3366)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 3362$ , ogf]  
A035779 3.22263 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+3532)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 3528$ , ogf]  
A035780 3.23907 [  $\{(-2^n)^2-n\}a(n) + (4n^2+8n+3702)a(n+1) + (-2^n)^2-7n-6\}a(n+2)$ ,  
 $a(0) = 1, a(1) = 3698$ , ogf]

A035781 3.25551 [ $\{(-2^n-2-n)*a(n)+(4*n^2+8*n+3876)*a(n+1)+(-2^n-7*n-6)*a(n+2), a(0) = 1, a(1) = 3872\}$ , ogf]  
A035782 3.30484 [ $\{(-2^n-2-n)*a(n)+(4*n^2+8*n+4054)*a(n+1)+(-2^n-7*n-6)*a(n+2), a(0) = 1, a(1) = 4050\}$ , ogf]  
A035783 3.33772 [ $\{(-2^n-2-n)*a(n)+(4*n^2+8*n+4236)*a(n+1)+(-2^n-7*n-6)*a(n+2), a(0) = 1, a(1) = 4232\}$ , ogf]  
A035784 3.35417 [ $\{(-2^n-2-n)*a(n)+(4*n^2+8*n+4422)*a(n+1)+(-2^n-7*n-6)*a(n+2), a(0) = 1, a(1) = 4418\}$ , ogf]  
A035785 2.86721 [ $\{(-2^n-2-n)*a(n)+(4*n^2+8*n+4612)*a(n+1)+(-2^n-7*n-6)*a(n+2), a(0) = 1, a(1) = 4608\}$ , ogf]  
A035786 2.88313 [ $\{(-2^n-2-n)*a(n)+(4*n^2+8*n+4806)*a(n+1)+(-2^n-7*n-6)*a(n+2), a(0) = 1, a(1) = 4802\}$ , ogf]  
A035787 2.91499 [ $\{(-2^n-2-n)*a(n)+(4*n^2+8*n+5004)*a(n+1)+(-2^n-7*n-6)*a(n+2), a(0) = 1, a(1) = 5000\}$ , ogf]  
A035797 5.68649  
-110592-221184\*x^2+(6912-4608\*x^4+9216\*x^2)\*f(x)+(-144+144\*x^4-96\*x^2)\*f(x)^2+(1-x^4)\*f(x)^3 lgdogf  
A035798 23.2816 [[52-26\*x] ogf\_with\_Euler\_transform]  
A035798 5.68849  
-140608-281216\*x^2+(8112-5408\*x^4+10816\*x^2)\*f(x)+(-156+156\*x^4-104\*x^2)\*f(x)^2+(1-x^4)\*f(x)^3 lgdogf  
A035799 23.8975 [[56-28\*x] ogf\_with\_Euler\_transform]  
A035799 8.44877 -175616+(9408-3136\*x^2)\*f(x)+(-168+112\*x^2)\*f(x)^2+(1-x^2)\*f(x)^3 lgdogf  
A035800 24.2670 [[60-30\*x] ogf\_with\_Euler\_transform]  
A035800 8.45214 -216000+(10800-3600\*x^2)\*f(x)+(-180+120\*x^2)\*f(x)^2+(1-x^2)\*f(x)^3 lgdogf  
A035801 24.7598 [[64-32\*x] ogf\_with\_Euler\_transform]  
A035801 7.68401 -262144+(12288-4096\*x^2)\*f(x)+(-192+128\*x^2)\*f(x)^2+(1-x^2)\*f(x)^3 lgdogf  
A035802 32.7590 -68+(1-x^2)\*f(x) lgdogf  
A035802 4.95812 [ $\{(n+2)*a(n+2)-68*a(n+1)-n*a(n), a(0) = 1, a(1) = 68\}$ , ogf]  
A035803 33.4673 -72+(1-x^2)\*f(x) lgdogf  
A035803 5.06306 [ $\{(n+2)*a(n+2)-72*a(n+1)-n*a(n), a(0) = 1, a(1) = 72\}$ , ogf]  
A035804 31.9772 -76/(x-1)/(x+1) lgdogf  
A035804 5.11552 [ $\{(n+2)*a(n+2)-76*a(n+1)-n*a(n), a(0) = 1, a(1) = 76\}$ , ogf]  
A035805 32.1620 -80/(x-1)/(x+1) lgdogf  
A035805 32.9009 [[80-40\*x] ogf\_with\_Euler\_transform]  
A035805 7.12873 [ $\{(n+2)*a(n+2)-80*a(n+1)-n*a(n), a(0) = 1, a(1) = 80\}$ , ogf]  
A035806 26.9771 [[84-42\*x] ogf\_with\_Euler\_transform]  
A035806 41.4286 -84/(x-1)/(x+1) lgdogf  
A035806 5.86103 [ $\{(n+2)*a(n+2)-84*a(n+1)-n*a(n), a(0) = 1, a(1) = 84\}$ , ogf]  
A035807 32.9014 -88/(x-1)/(x+1) lgdogf  
A035807 5.27292 [ $\{(n+2)*a(n+2)-88*a(n+1)-n*a(n), a(0) = 1, a(1) = 88\}$ , ogf]  
A035808 33.8256 -92/(x-1)/(1+x) lgdogf  
A035808 5.43031 [ $\{(n+2)*a(n+2)-92*a(n+1)-n*a(n), a(0) = 1, a(1) = 92\}$ , ogf]  
A035809 34.3801 -96/(x-1)/(x+1) lgdogf  
A035809 4.87770 [ $\{(n+2)*a(n+2)-96*a(n+1)-n*a(n), a(0) = 1, a(1) = 96\}$ , ogf]  
A035810 26.9212 -100+(1-x^2)\*f(x) lgdogf  
A035810 4.83943 [ $\{(n+2)*a(n+2)-100*a(n+1)-n*a(n), a(0) = 1, a(1) = 100\}$ , ogf]  
A035811 27.0805 -104+(1-x^2)\*f(x) lgdogf  
A035811 4.28365 [ $\{(n+2)*a(n+2)-104*a(n+1)-n*a(n), a(0) = 1, a(1) = 104\}$ , ogf]  
A035812 27.0805 -108+(1-x^2)\*f(x) lgdogf  
A035812 4.28365 [ $\{(n+2)*a(n+2)-108*a(n+1)-n*a(n), a(0) = 1, a(1) = 108\}$ , ogf]  
A035813 27.0805 -112+(1-x^2)\*f(x) lgdogf  
A035813 4.28365 [ $\{(n+2)*a(n+2)-112*a(n+1)-n*a(n), a(0) = 1, a(1) = 112\}$ , ogf]  
A035814 27.8770 -116+(1-x^2)\*f(x) lgdogf  
A035814 4.40674 [ $\{(n+2)*a(n+2)-116*a(n+1)-n*a(n), a(0) = 1, a(1) = 116\}$ , ogf]  
A035815 28.1956 -120+(1-x^2)\*f(x) lgdogf  
A035815 4.45597 [ $\{(n+2)*a(n+2)-120*a(n+1)-n*a(n), a(0) = 1, a(1) = 120\}$ , ogf]  
A035816 28.1956 -124+(1-x^2)\*f(x) lgdogf

A035816 4.45597 [ $\{(n+2)*a(n+2)-124*a(n+1)-n*a(n), a(0) = 1, a(1) = 124\}$ , ogf]  
A035817 28.5142  $-128+(1-x^2)*f(x)$  lgdogf  
A035817 4.50521 [ $\{(n+2)*a(n+2)-128*a(n+1)-n*a(n), a(0) = 1, a(1) = 128\}$ , ogf]  
A035818 28.5142  $-132+(1-x^2)*f(x)$  lgdogf  
A035818 4.50521 [ $\{(n+2)*a(n+2)-132*a(n+1)-n*a(n), a(0) = 1, a(1) = 132\}$ , ogf]  
A035819 28.5142  $-136+(1-x^2)*f(x)$  lgdogf  
A035819 4.50521 [ $\{(n+2)*a(n+2)-136*a(n+1)-n*a(n), a(0) = 1, a(1) = 136\}$ , ogf]  
A035820 29.3107  $-140+(1-x^2)*f(x)$  lgdogf  
A035820 4.62830 [ $\{(n+2)*a(n+2)-140*a(n+1)-n*a(n), a(0) = 1, a(1) = 140\}$ , ogf]  
A035821 29.6293  $-144+(1-x^2)*f(x)$  lgdogf  
A035821 4.67755 [ $\{(n+2)*a(n+2)-144*a(n+1)-n*a(n), a(0) = 1, a(1) = 144\}$ , ogf]  
A035822 29.6293  $-148+(1-x^2)*f(x)$  lgdogf  
A035822 4.67755 [ $\{(n+2)*a(n+2)-148*a(n+1)-n*a(n), a(0) = 1, a(1) = 148\}$ , ogf]  
A035823 29.7886  $-152+(1-x^2)*f(x)$  lgdogf  
A035823 4.70216 [ $\{(n+2)*a(n+2)-152*a(n+1)-n*a(n), a(0) = 1, a(1) = 152\}$ , ogf]  
A035824 29.7886  $-156+(1-x^2)*f(x)$  lgdogf  
A035824 4.70216 [ $\{(n+2)*a(n+2)-156*a(n+1)-n*a(n), a(0) = 1, a(1) = 156\}$ , ogf]  
A035825 29.9478  $-160+(1-x^2)*f(x)$  lgdogf  
A035825 4.72678 [ $\{(n+2)*a(n+2)-160*a(n+1)-n*a(n), a(0) = 1, a(1) = 160\}$ , ogf]  
A035826 30.2664  $-164+(1-x^2)*f(x)$  lgdogf  
A035826 4.77602 [ $\{(n+2)*a(n+2)-164*a(n+1)-n*a(n), a(0) = 1, a(1) = 164\}$ , ogf]  
A035827 30.5850  $-168+(1-x^2)*f(x)$  lgdogf  
A035827 4.82525 [ $\{(n+2)*a(n+2)-168*a(n+1)-n*a(n), a(0) = 1, a(1) = 168\}$ , ogf]  
A035828 30.5850  $-172+(1-x^2)*f(x)$  lgdogf  
A035828 4.82525 [ $\{(n+2)*a(n+2)-172*a(n+1)-n*a(n), a(0) = 1, a(1) = 172\}$ , ogf]  
A035829 30.9036  $-176+(1-x^2)*f(x)$  lgdogf  
A035829 4.87449 [ $\{(n+2)*a(n+2)-176*a(n+1)-n*a(n), a(0) = 1, a(1) = 176\}$ , ogf]  
A035830 30.9036  $-180+(1-x^2)*f(x)$  lgdogf  
A035830 4.87449 [ $\{(n+2)*a(n+2)-180*a(n+1)-n*a(n), a(0) = 1, a(1) = 180\}$ , ogf]  
A035831 31.2222  $-184+(1-x^2)*f(x)$  lgdogf  
A035831 4.92373 [ $\{(n+2)*a(n+2)-184*a(n+1)-n*a(n), a(0) = 1, a(1) = 184\}$ , ogf]  
A035832 31.2222  $-188+(1-x^2)*f(x)$  lgdogf  
A035832 4.92373 [ $\{(n+2)*a(n+2)-188*a(n+1)-n*a(n), a(0) = 1, a(1) = 188\}$ , ogf]  
A035833 31.3815  $-192+(1-x^2)*f(x)$  lgdogf  
A035833 4.94835 [ $\{(n+2)*a(n+2)-192*a(n+1)-n*a(n), a(0) = 1, a(1) = 192\}$ , ogf]  
A035834 31.7001  $-196+(1-x^2)*f(x)$  lgdogf  
A035834 4.99758 [ $\{(n+2)*a(n+2)-196*a(n+1)-n*a(n), a(0) = 1, a(1) = 196\}$ , ogf]  
A035835 31.7001  $-200+(1-x^2)*f(x)$  lgdogf  
A035835 4.99758 [ $\{(n+2)*a(n+2)-200*a(n+1)-n*a(n), a(0) = 1, a(1) = 200\}$ , ogf]  
A035837 4.89777 [ $\{-n^2*a(n)+(2*n^2+4*n+134)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 132\}$ , ogf]  
A035838 5.15899 [ $\{-n^2*a(n)+(2*n^2+4*n+158)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 156\}$ , ogf]  
A035839 4.97415 [ $\{-n^2*a(n)+(2*n^2+4*n+184)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 182\}$ , ogf]  
A035840 4.78895 [ $\{-n^2*a(n)+(2*n^2+4*n+212)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 210\}$ , ogf]  
A035841 4.93663 [ $\{-n^2*a(n)+(2*n^2+4*n+242)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 240\}$ , ogf]  
A035842 3.85077 [ $\{-n^2*a(n)+(2*n^2+4*n+274)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 272\}$ , ogf]  
A035843 3.57313 [ $\{-n^2*a(n)+(2*n^2+4*n+308)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 306\}$ , ogf]  
A035844 3.65123 [ $\{-n^2*a(n)+(2*n^2+4*n+344)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 342\}$ , ogf]  
A035845 3.70980 [ $\{-n^2*a(n)+(2*n^2+4*n+382)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 380\}$ , ogf]  
A035846 3.82696 [ $\{-n^2*a(n)+(2*n^2+4*n+422)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 420\}$ , ogf]  
A035847 3.45181 [ $\{-n^2*a(n)+(2*n^2+4*n+464)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 462\}$ , ogf]

A035848 3.52809 [  $\{-n^2*a(n)+(2*n^2+4*n+508)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 506\}$ , ogf]  
A035849 3.54716 [  $\{-n^2*a(n)+(2*n^2+4*n+554)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 552\}$ , ogf]  
A035850 3.66159 [  $\{-n^2*a(n)+(2*n^2+4*n+602)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 600\}$ , ogf]  
A035851 3.71880 [  $\{-n^2*a(n)+(2*n^2+4*n+652)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 650\}$ , ogf]  
A035852 3.77601 [  $\{-n^2*a(n)+(2*n^2+4*n+704)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 702\}$ , ogf]  
A035853 3.34529 [  $\{-n^2*a(n)+(2*n^2+4*n+758)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 756\}$ , ogf]  
A035854 3.43821 [  $\{-n^2*a(n)+(2*n^2+4*n+814)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 812\}$ , ogf]  
A035855 3.47538 [  $\{-n^2*a(n)+(2*n^2+4*n+872)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 870\}$ , ogf]  
A035856 3.49396 [  $\{-n^2*a(n)+(2*n^2+4*n+932)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 930\}$ , ogf]  
A035857 3.54972 [  $\{-n^2*a(n)+(2*n^2+4*n+994)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 992\}$ , ogf]  
A035858 3.57373 [  $\{-n^2*a(n)+(2*n^2+4*n+1058)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 1056\}$ , ogf]  
A035859 3.11712 [  $\{-n^2*a(n)+(2*n^2+4*n+1124)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 1122\}$ , ogf]  
A035860 3.11712 [  $\{-n^2*a(n)+(2*n^2+4*n+1192)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 1190\}$ , ogf]  
A035861 3.17056 [  $\{-n^2*a(n)+(2*n^2+4*n+1262)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 1260\}$ , ogf]  
A035862 3.20619 [  $\{-n^2*a(n)+(2*n^2+4*n+1334)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 1332\}$ , ogf]  
A035863 3.22400 [  $\{-n^2*a(n)+(2*n^2+4*n+1408)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 1406\}$ , ogf]  
A035864 3.22400 [  $\{-n^2*a(n)+(2*n^2+4*n+1484)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 1482\}$ , ogf]  
A035865 3.29525 [  $\{-n^2*a(n)+(2*n^2+4*n+1562)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 1560\}$ , ogf]  
A035866 3.33088 [  $\{-n^2*a(n)+(2*n^2+4*n+1642)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 1640\}$ , ogf]  
A035867 3.36650 [  $\{-n^2*a(n)+(2*n^2+4*n+1724)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 1722\}$ , ogf]  
A035868 3.36650 [  $\{-n^2*a(n)+(2*n^2+4*n+1808)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 1806\}$ , ogf]  
A035869 3.41993 [  $\{-n^2*a(n)+(2*n^2+4*n+1894)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 1892\}$ , ogf]  
A035870 3.43774 [  $\{-n^2*a(n)+(2*n^2+4*n+1982)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 1980\}$ , ogf]  
A035871 3.47337 [  $\{-n^2*a(n)+(2*n^2+4*n+2072)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 2070\}$ , ogf]  
A035872 3.47337 [  $\{-n^2*a(n)+(2*n^2+4*n+2164)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 2162\}$ , ogf]  
A035873 3.52681 [  $\{-n^2*a(n)+(2*n^2+4*n+2258)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 2256\}$ , ogf]  
A035874 3.54462 [  $\{-n^2*a(n)+(2*n^2+4*n+2354)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 2352\}$ , ogf]  
A035875 3.54462 [  $\{-n^2*a(n)+(2*n^2+4*n+2452)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 2450\}$ , ogf]  
A035876 3.58024 [  $\{-n^2*a(n)+(2*n^2+4*n+2552)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 2550\}$ , ogf]  
A035877 6.77476 [  $(x^4+2*x^3+10*x^2+2*x+1)/(x-1)^2/(x+1)^2$  ogf]  
A035877 7.37087  $-2*(1+12*x+x^4+12*x^3+6*x^2)/(-1+x)/(x+1)/(x^4+2*x^3+10*x^2+2*x+1)$  lgdogf



A035878 7.16881 [  $(x^8+36x^6+32x^5+118x^4+32x^3+36x^2+1)/(x-1)^4/(x+1)^4$  ogf ]  
A035878 7.97325  $-16x^*(5+6x^5+43x^4+5x^6+20x^3+43x^2+6x)/(x-1)/(x+1)/(x^8+36x^6+32x^5+118x^4+32x^3+36x^2+1)$  lgdogf  
A035879 4.25832 [  $(x^{12}+66x^{10}+32x^9+687x^8+480x^7+1564x^6+480x^5+687x^4+32x^3+66x^2+1)/(x-1)^6/(x+1)^6$  ogf ]  
A035900 2.86721 [  $\{(-2n^2-n)a(n)+(4n^2+8n+4612)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 4608\}$ , ogf ]  
A035901 2.91499 [  $\{(-2n^2-n)a(n)+(4n^2+8n+5004)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 5000\}$ , ogf ]  
A035902 2.93092 [  $\{(-2n^2-n)a(n)+(4n^2+8n+5412)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 5408\}$ , ogf ]  
A035903 2.94685 [  $\{(-2n^2-n)a(n)+(4n^2+8n+5836)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 5832\}$ , ogf ]  
A035904 2.97871 [  $\{(-2n^2-n)a(n)+(4n^2+8n+6276)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 6272\}$ , ogf ]  
A035905 3.01056 [  $\{(-2n^2-n)a(n)+(4n^2+8n+6732)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 6728\}$ , ogf ]  
A035906 3.05835 [  $\{(-2n^2-n)a(n)+(4n^2+8n+7204)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 7200\}$ , ogf ]  
A035907 3.09021 [  $\{(-2n^2-n)a(n)+(4n^2+8n+7692)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 7688\}$ , ogf ]  
A035908 3.12206 [  $\{(-2n^2-n)a(n)+(4n^2+8n+8196)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 8192\}$ , ogf ]  
A035909 3.13799 [  $\{(-2n^2-n)a(n)+(4n^2+8n+8716)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 8712\}$ , ogf ]  
A035910 3.13799 [  $\{(-2n^2-n)a(n)+(4n^2+8n+9252)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 9248\}$ , ogf ]  
A035911 3.21764 [  $\{(-2n^2-n)a(n)+(4n^2+8n+9804)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 9800\}$ , ogf ]  
A035912 3.22409 [  $\{(-2n^2-n)a(n)+(4n^2+8n+10372)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 10368\}$ , ogf ]  
A035913 3.23982 [  $\{(-2n^2-n)a(n)+(4n^2+8n+10956)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 10952\}$ , ogf ]  
A035914 3.25554 [  $\{(-2n^2-n)a(n)+(4n^2+8n+11556)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 11552\}$ , ogf ]  
A035915 3.25554 [  $\{(-2n^2-n)a(n)+(4n^2+8n+12172)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 12168\}$ , ogf ]  
A035916 3.27127 [  $\{(-2n^2-n)a(n)+(4n^2+8n+12804)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 12800\}$ , ogf ]  
A035917 3.31846 [  $\{(-2n^2-n)a(n)+(4n^2+8n+13452)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 13448\}$ , ogf ]  
A035918 2.79249 [  $\{(-2n^2-n)a(n)+(4n^2+8n+14116)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 14112\}$ , ogf ]  
A035919 2.79249 [  $\{(-2n^2-n)a(n)+(4n^2+8n+14796)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 14792\}$ , ogf ]  
A035920 2.79249 [  $\{(-2n^2-n)a(n)+(4n^2+8n+15492)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 15488\}$ , ogf ]  
A035921 2.79249 [  $\{(-2n^2-n)a(n)+(4n^2+8n+16204)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 16200\}$ , ogf ]  
A035922 2.80767 [  $\{(-2n^2-n)a(n)+(4n^2+8n+16932)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 16928\}$ , ogf ]  
A035923 2.85320 [  $\{(-2n^2-n)a(n)+(4n^2+8n+17676)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 17672\}$ , ogf ]  
A035924 2.86837 [  $\{(-2n^2-n)a(n)+(4n^2+8n+18436)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 18432\}$ , ogf ]  
A035925 2.86837 [  $\{(-2n^2-n)a(n)+(4n^2+8n+19212)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 19208\}$ , ogf ]  
A035926 2.86837 [  $\{(-2n^2-n)a(n)+(4n^2+8n+20004)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 20000\}$ , ogf ]

A035927 4.18717 [ $\{(n+1)*a(n+1)+(-2*n-14)*a(n+2)+(n+3)*a(n+3), a(0) = 0, a(1) = 9, a(2) = 54\}$ , ogf]  
A035930 9.96839 [ $x^{11}*(9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)^2/(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x^4-x^3+x^2-x+1)^2$  ogf]  
A035937 13.5986 [ $-(x^4+x^3+x^2+x)/(x^7-1)$  ogf\_with\_Euler\_transform]  
A035938 13.6031 [ $-(x^5+x^3+x^2+1)/(x^7-1)$  ogf\_with\_Euler\_transform]  
A035939 13.9339 [ $-(x^5+x^4+x+1)/(x^7-1)$  ogf\_with\_Euler\_transform]  
A035943 11.0357 [ $-(x^5+1)/(x^7-x^6+x^4-x^3+x-1)$  ogf\_with\_Euler\_transform]  
A035959 14.1172 [ $-(x^3+x^2+x+1)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A035985 11.1813 [ $-(x^5+x^4+x^3+x^2+x+1)/(x^7-1)$  ogf\_with\_Euler\_transform]  
A036015 15.0303 [ $-(-x^4-x^3-x^2)/(-x^8+1)$  ogf\_with\_Euler\_transform]  
A036016 16.2228 [ $-(-x^6-x^3-1)/(-x^8+1)$  ogf\_with\_Euler\_transform]  
A036018 10.8022 [ $-(x^{10}+x^7+x^6+x^4+x^3+1)/(x^{12}-1)$  ogf\_with\_Euler\_transform]  
A036058 3.63857 [ $10*x*(98010000*x^9-99009900*x^8-1000100*x^7-139009900*x^6-1000100*x^5-1299100*x^4-12900*x^3-200*x^2-110*x-1)/(x-1)$  ogf]  
A036068 10.2404 [ $-(3*x^2-3*x+1)/(3*x-1)^3$  ogf]  
A036068 16.6429  $-3*(2-4*x+3*x^2)/(3*x-1)/(3*x^2-3*x+1)$  lgdogf  
A036068 17.5676  $1/3*(-1+(9*x+1)^{1/3})/(9*x+1)^{1/3}$  revogf  
A036068 5.60995 [ $\{a(n+3)-9*a(n+2)+27*a(n+1)-27*a(n), a(0) = 1, a(1) = 6, a(2) = 30\}$ , ogf]  
A036070 14.1115  $1/4*(-1+(1+16*x)^{1/4})/(1+16*x)^{1/4}$  revogf  
A036070 5.17188 [ $\{(4*n+24)*a(n+1)+(-n-3)*a(n+2), a(0) = 1, a(1) = 10\}$ , ogf]  
A036070 6.44964 [ $-(2*x-1)*(8*x^2-4*x+1)/(4*x-1)^4$  ogf]  
A036070 9.57564  $-2*(-5+20*x+32*x^3-40*x^2)/(2*x-1)/(4*x-1)/(8*x^2-4*x+1)$  lgdogf  
A036071 5.55555 [ $\{(-n-2)*a(n+2)+(30+5*n)*a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A036071 52.4646  $-25/(5*x-1)$  lgdogf  
A036071 9.05982 [ $-1/(5*x-1)^5$  ogf]  
A036074 31.9868  $\exp(4*x)+\exp(x)$  lgdegf  
A036075 33.7210  $\exp(5*x)+\exp(x)$  lgdegf  
A036076 35.2625  $\exp(x)+\exp(6*x)$  lgdegf  
A036077 32.1097  $\exp(7*x)+\exp(x)$  lgdegf  
A036078 32.8652  $\exp(8*x)+\exp(x)$  lgdegf  
A036079 33.6208  $\exp(9*x)+\exp(x)$  lgdegf  
A036080 32.0507  $\exp(x)+\exp(10*x)$  lgdegf  
A036081 7.38231  $11*a(n+1)+(-12*n-24)*a(n+2)+(5*n+6+n^2)*a(n+3), a(0)=2, a(1)=12, a(2)=61$  lgdegf  
A036082 33.2902  $\exp(12*x)+\exp(x)$  lgdegf  
A036083 14.6447  $1/5*(-1+(1+25*x)^{1/5})/(1+25*x)^{1/5}$  revogf  
A036083 5.11961 [ $-(125*x^4-125*x^3+50*x^2-10*x+1)/(5*x-1)^5$  ogf]  
A036083 5.36110 [ $\{(5*n+35)*a(n+1)+(-n-3)*a(n+2), a(0) = 1, a(1) = 15\}$ , ogf]  
A036083 7.52026  $-5*(3-20*x+75*x^2-150*x^3+125*x^4)/(5*x-1)/(125*x^4-125*x^3+50*x^2-10*x+1)$  lgdogf  
A036084 47.9320  $-36/(-1+6*x)$  lgdogf  
A036084 5.53533 [ $\{(-n-2)*a(n+2)+(42+6*n)*a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A036084 7.06922 [ $1/(6*x-1)^6$  ogf]  
A036085 4.70614 [ $(x+1)*(x^6+120*x^5+1191*x^4+2416*x^3+1191*x^2+120*x+1)/(x-1)^8$  ogf]  
A036085 5.99490  $-(129+3469*x+249*x^6+4659*x^5+20983*x^4+32463*x^3+x^7+18687*x^2)/(x-1)/(x+1)/(x^6+120*x^5+1191*x^4+2416*x^3+1191*x^2+120*x+1)$  lgdogf  
A036117 5.91786  $-(2+4*x-x^6-22*x^5+34*x^4-20*x^3+15*x^8-6*x^9+6*x^{10}+10*x^2)/(x-1)/(x+1)/(x^4-x^3+x^2-x+1)/(6*x^5-3*x^4+4*x^3+2*x^2+x+1)$  lgdogf  
A036117 8.55966 [ $-(6*x^5-3*x^4+4*x^3+2*x^2+x+1)/(x-1)/(x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A036118 7.58765 [ $-(7*x^6+3*x^5-5*x^4+4*x^3+2*x^2+x+1)/(x-1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A036119 6.44435 [ $-(6*x^8-4*x^7+10*x^6-8*x^5+3*x^4+x^3+6*x^2+2*x+1)/(x-1)/(x^8+1)$  ogf]  
A036120 5.91480 [ $-(10*x^9-5*x^8+7*x^7-6*x^6-3*x^5+8*x^4+4*x^3+2*x^2+x+1)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]

A036121 5.82276 [  $-(14x^{11}-2x^{10}-5x^9-x^8+9x^7-12x^6+16x^5-6x^4+8x^3-3x^2+4x+1)/(x-1)/(x+1)/(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A036216 11.2766 [  $1/(3x-1)^4$  ogf]  
A036216 5.74467 [  $\{(-n-2)a(n+2)+(15+3n)a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A036216 54.2337  $-12/(3x-1)$  lgdogf  
A036217 5.51460 [  $\{(-n-2)a(n+2)+(18+3n)a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A036217 52.0336  $-15/(3x-1)$  lgdogf  
A036217 9.58275 [  $-1/(3x-1)^5$  ogf]  
A036219 45.4352  $-18/(-1+3x)$  lgdogf  
A036219 5.25666 [  $\{(-n-2)a(n+2)+(21+3n)a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A036219 7.14367 [  $1/(3x-1)^6$  ogf]  
A036220 5.45449 [  $\{(-n-2)a(n+2)+(24+3n)a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A036220 51.4721  $-21/(3x-1)$  lgdogf  
A036220 6.72298 [  $-1/(3x-1)^7$  ogf]  
A036221 44.4120  $-24/(-1+3x)$  lgdogf  
A036221 5.13888 [  $\{(-n-2)a(n+2)+(27+3n)a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A036221 5.18782 [  $1/(3x-1)^8$  ogf]  
A036222 4.83912 [  $-1/(3x-1)^9$  ogf]  
A036222 5.24999 [  $\{(-n-2)a(n+2)+(30+3n)a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A036223 34.7812  $-30+(1-3x)*f(x)$  lgdogf  
A036223 5.36110 [  $\{(-n-2)a(n+2)+(33+3n)a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A036224 14.2237  $1/6*(-1+(1+36x)^{1/6})/(1+36x)^{1/6}$  revogf  
A036224 4.00044 [  $-(3x-1)*(12x^2-6x+1)*(36x^2-6x+1)/(6x-1)^6$  ogf]  
A036224 5.20812 [  $\{(6n+48)a(n+1)+(-n-3)a(n+2), a(0) = 1, a(1) = 21\}$ , ogf]  
A036224 5.81182  $-3*(-7+70x-420x^2+1512x^3-3024x^4+2592x^5)/(6x-1)/(3x-1)/(12x^2-6x+1)/(36x^2-6x+1)$  lgdogf  
A036226 4.68202 [  $\{(-n-2)a(n+2)+(56+7n)a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A036226 44.1094  $-49/(7x-1)$  lgdogf  
A036226 5.16973 [  $-1/(7x-1)^7$  ogf]  
A036239 9.01173  $-(15-140x-692x^3+360x^4+475x^2)/(x-1)/(4x-1)/(3x-1)/(2x-1)/(5x-2)$  lgdogf  
A036239 9.67232 [  $-x*(5x-2)/(x-1)/(3x-1)/(2x-1)/(4x-1)$  ogf]  
A036240 6.00821 [  $4x^2*(43x^2-25x+3)/(x-1)/(4x-1)/(3x-1)/(2x-1)/(8x-1)/(7x-1)$  ogf]  
A036242 6.24320 [  $\{a(n+1)+(2n+8)a(n+2)-a(n+3), a(0) = 1, a(1) = 4, a(2) = 25\}$ , ogf]  
A036244 6.04181 [  $\{-a(n+1)+(-2n-7)a(n+2)+a(n+3), a(0) = 1, a(1) = 3, a(2) = 16\}$ , ogf]  
A036245 5.31227 [  $\{a(n+1)+(n^2+8n+16)a(n+2)-a(n+3), a(0) = 1, a(1) = 4, a(2) = 37\}$ , ogf]  
A036246 2.86907 [  $\{(-2-n)a(n+1)+(-n^3-10n^2-33n-36)a(n+2)+(-n^3-14n^2-64n-98)a(n+3)+(n+4)a(n+4), a(0) = 1, a(1) = 5, a(2) = 46, a(3) = 741\}$ , ogf]  
A036255 5.18154 [  $\{a(n+3)-130a(n+2)+3125a(n+1)-12500a(n), a(0) = 9, a(1) = 945, a(2) = 98475\}$ , ogf]  
A036255 7.03504  $-5*(63-3250x+36875x^2-375000x^3+3125000x^4)/(100x-1)/(25x-1)/(5x-1)/(1250x^2-75x+3)$  lgdogf  
A036255 8.77408 [  $-3*(1250x^2-75x+3)/(100x-1)/(25x-1)/(5x-1)$  ogf]  
A036256 3.53183 [  $\{(-4n-12)a(n+1)+(4n+10)a(n+2)+(n+7)a(n+3)+(-n-5)a(n+4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7\}$ , ogf]  
A036257 4.96114 [  $\{a(n+3)-130a(n+2)+3125a(n+1)-12500a(n), a(0) = 1, a(1) = 90, a(2) = 9700\}$ , ogf]  
A036257 6.77013  $-10*(9-400x+1406250x^4-100000x^3+1625x^2)/(100x-1)/(25x-1)/(5x-1)/(1125x^2-40x+1)$  lgdogf  
A036257 8.38031 [  $-(1125x^2-40x+1)/(100x-1)/(25x-1)/(5x-1)$  ogf]  
A036258 7.31515  $-(9-90x-1125x^4+18750x^6-350x^3+270x^2)/(5x-1)/(10x-1)/(5x^2-1)/(75x^3-6x+1)$  lgdogf  
A036258 9.53949 [  $-(75x^3-6x+1)/(5x-1)/(10x-1)/(5x^2-1)$  ogf]  
A036289 20.5111 [  $2x/(2x-1)^2$  ogf]  
A036289 32.5483  $2x/(1+(4x+1)^{1/2})^2$  revogf

A036289 68.0554  $-4/(-1+2*x) \text{ lgdogf}$   
A036289 9.36928  $[ \{a(n+2)-4*a(n+1)+4*a(n), a(0) = 0, a(1) = 2\}, \text{ ogf} ]$   
A036290 17.9213  $[ 3*x/(3*x-1)^2 \text{ ogf} ]$   
A036290 26.1373  $4/3*x/(1+(4*x+1)^(1/2))^2 \text{ revogf}$   
A036290 59.4030  $-6/(-1+3*x) \text{ lgdogf}$   
A036290 8.18628  $[ \{a(n+2)-6*a(n+1)+9*a(n), a(0) = 0, a(1) = 3\}, \text{ ogf} ]$   
A036291 15.4568  $[ 5*x/(5*x-1)^2 \text{ ogf} ]$   
A036291 23.7473  $4/5*x/(1+(4*x+1)^(1/2))^2 \text{ revogf}$   
A036291 53.9710  $-10/(5*x-1) \text{ lgdogf}$   
A036291 7.26283  $[ \{a(n+2)-10*a(n+1)+25*a(n), a(0) = 0, a(1) = 5\}, \text{ ogf} ]$   
A036292 18.5462  $[ 6*x/(6*x-1)^2 \text{ ogf} ]$   
A036292 23.2469  $2/3*x/(1+(4*x+1)^(1/2))^2 \text{ revogf}$   
A036292 52.8338  $-12/(6*x-1) \text{ lgdogf}$   
A036292 8.71449  $[ \{a(n+2)-12*a(n+1)+36*a(n), a(0) = 0, a(1) = 6\}, \text{ ogf} ]$   
A036293 15.9772  $[ 7*x/(7*x-1)^2 \text{ ogf} ]$   
A036293 24.5650  $4/7*x/(1+(4*x+1)^(1/2))^2 \text{ revogf}$   
A036293 51.1771  $-14/(-1+7*x) \text{ lgdogf}$   
A036293 7.50737  $[ \{a(n+2)-14*a(n+1)+49*a(n), a(0) = 0, a(1) = 7\}, \text{ ogf} ]$   
A036294 18.9697  $[ 8*x/(8*x-1)^2 \text{ ogf} ]$   
A036294 23.4377  $1/2*x/(1+(4*x+1)^(1/2))^2 \text{ revogf}$   
A036294 48.8286  $-16/(-1+8*x) \text{ lgdogf}$   
A036294 8.91347  $[ \{a(n+2)-16*a(n+1)+64*a(n), a(0) = 0, a(1) = 8\}, \text{ ogf} ]$   
A036353 3.98938  $[ \{a(n+4)-9603*a(n+3)+9603*a(n+2)-a(n+1), a(0) = 0, a(1) = 1, a(2) = 9801, a(3) = 94109401\}, \text{ ogf} ]$   
A036353 8.03341  $[ -x*(x^2+198*x+1)/(x-1)/(x^2-9602*x+1) \text{ ogf} ]$   
A036354 4.93107  $[ -(x^6+80*x^5+5848*x^4+222070*x^3+5848*x^2+80*x+1)/(x-1)/(x^6-2079362*x^3+1) \text{ ogf} ]$   
A036404 18.6801  $[ -2*x^5+x^4+2*x^2+x+1 \text{ ogf\_with\_Euler\_transform} ]$   
A036404 7.32769  $[ -x*(x+1)*(x^2-x+1)^2/(x^4+x^3+x^2+x+1)/(x-1)^3 \text{ ogf} ]$   
A036404 9.12512  $-(1+3*x+7*x^2+4*x^3+9*x^4+3*x^5+x^6+2*x^7)/(-1+x)/(x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1) \text{ lgdogf}$   
A036405 13.7709  $[ -x^9+x^6-x^5+x^4+x^2+x+1 \text{ ogf\_with\_Euler\_transform} ]$   
A036405 7.50852  $[ -x*(x+1)*(x^2-x+1)*(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3 \text{ ogf} ]$   
A036406 18.8504  $[ -x^9+x^4+x^3+x+1 \text{ ogf\_with\_Euler\_transform} ]$   
A036406 8.00274  $[ -x*(x^4-x^3+x^2-x+1)/(x^2+1)/(x+1)/(x-1)^3 \text{ ogf} ]$   
A036406 9.67261  $-(1+2*x-x^2+8*x^3-3*x^4+4*x^5-x^6+2*x^7)/(-1+x)/(x+1)/(x^2+1)/(x^4-x^3+x^2-x+1) \text{ lgdogf}$   
A036407 7.11278  $[ -x*(x+1)*(x^8-2*x^7+2*x^6-x^5+x^4-x^3+2*x^2-2*x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3 \text{ ogf} ]$   
A036408 7.08731  $[ -x*(x^10-x^9+x^7+x^3-x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^3 \text{ ogf} ]$   
A036409 12.1933  $[ -x^11+x^10-x^9+x^4+x^3+x^2+1 \text{ ogf\_with\_Euler\_transform} ]$   
A036409 7.01349  $[ -x*(x+1)*(x^2-x+1)*(x^4-x^3+x^2-x+1)*(x^4-x^2+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3 \text{ ogf} ]$   
A036410 11.5046  $-(1+2*x+3*x^6+2*x^7+4*x^2+6*x^3)/(x-1)/(x+1)/(x^2+x+1)/(x^4-x^2+1) \text{ lgdogf}$   
A036410 16.7875  $[ -x^11+x^5+x^3+x^2+1 \text{ ogf\_with\_Euler\_transform} ]$   
A036410 9.57462  $[ -(x^4-x^2+1)/(x^2+x+1)/(x+1)/(x-1)^3 \text{ ogf} ]$   
A036411 5.51717  $[ -(x^4+8*x^3+182*x^2+8*x+1)/(x-1)/(x^2-30*x+1)/(x^2+30*x+1) \text{ ogf} ]$   
A036428 5.04017  $[ \{a(n+3)-195*a(n+2)+195*a(n+1)-a(n), a(0) = 1, a(1) = 225, a(2) = 43681\}, \text{ ogf} ]$   
A036428 9.31668  $[ -(x^2+30*x+1)/(x-1)/(x^2-194*x+1) \text{ ogf} ]$   
A036444 8.24660  $[ (x^20-x^19+x^17+x^9-x^8+x^7-x^6+x^5+x^2-x-4)/(x-1) \text{ ogf} ]$   
A036453 13.7680  $[ \{a(n+2)-a(n+1), a(0) = 1, a(1) = 2\}, \text{ ogf} ]$   
A036453 26.7917  $[ -(x+1)/(x-1) \text{ ogf} ]$   
A036453 30.3962  $-1/2*x-1/2+1/2*(x^2+6*x+1)^(1/2) \text{ revogf}$   
A036453 47.1074  $[ [2-x] \text{ ogf\_with\_Euler\_transform} ]$   
A036453 69.4770  $-2/(x-1)/(1+x) \text{ lgdogf}$   
A036464 31.9052  $-(11+4*x)/(x+2)/(x-1) \text{ lgdogf}$

A036464 4.54403 [  $\{(2+2^n)*a(n+3)+(-11-n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 8\}$ , ogf]  
A036464 8.57039 [  $-4*x^2*(x+2)/(x-1)^5$  ogf]  
A036469 18.0656 [  $-(x^2-2)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A036486 17.6947  $-4*(3*x+1)*(x^2+x+1)/(x-1)/(x+1)/(4*x^2+x+1)$  lgdogf  
A036486 9.75126 [  $x*(4*x^2+x+1)/(x+1)/(x-1)^4$  ogf]  
A036487 16.4579  $-(13+25*x+7*x^2+3*x^3)/(x-1)/(x+1)/(x^2+x+4)$  lgdogf  
A036487 8.60674 [  $x^2*(x^2+x+4)/(x+1)/(x-1)^4$  ogf]  
A036498 10.1380 [  $-x*(5*x^2+2*x+5)/(x+1)^2/(x-1)^3$  ogf]  
A036498 16.8646  $-(5*x+1)*(3*x^2+2*x+7)/(x-1)/(x+1)/(5*x^2+2*x+5)$  lgdogf  
A036499 12.8194  $-(2+22*x+15*x^2+29*x^3+3*x^4+x^5)/(x-1)/(x+1)/(x^4+x^3+8*x^2+x+1)$  lgdogf  
A036499 9.12804 [  $-(x^4+x^3+8*x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A036507 12.4767  $1/10*(-5+(25+1024*x+x^2)^(1/2))/(1024+x)$  revogf  
A036507 5.51504 [  $\{a(n+3)-100*a(n+1), a(0) = 0, a(1) = 100, a(2) = 102400\}$ , ogf]  
A036507 9.39600 [  $-100*x*(1024*x+1)/(10*x-1)/(10*x+1)$  ogf]  
A036507 9.41634  $-8*(128+25*x+12800*x^2)/(1024*x+1)/(10*x+1)/(-1+10*x)$  lgdogf  
A036517 5.35077 [  $-100*x*(1998000*x^6-172280*x^4+2100*x^3-2677*x^2-201*x-3)/(10*x-1)/(10*x+1)/(10*x^2-1)$  ogf]  
A036527 14.2557 [  $-(4096000*x^4+140608*x^2+1)/(10*x-1)/(100*x^2+10*x+1)$  ogf]  
A036527 7.70267 [  $\{a(n+5)-1000*a(n+2), a(0) = 1, a(1) = 0, a(2) = 140608, a(3) = 1000, a(4) = 4096000\}$ , ogf]  
A036542 8.04720  $-(3-5*x+10*x^4-9*x^3+3*x^2)/(-1+x)/(2*x-1)/(5*x^3-6*x^2+3*x-1)$  lgdogf  
A036542 9.91076 [  $-(5*x^3-6*x^2+3*x-1)/(2*x-1)^2/(x-1)^2$  ogf]  
A036543 14.1631 [  $(5*x+1)/(3*x-1)/(x-1)$  ogf]  
A036543 14.5224  $-1/2*(-4*x-1+(4*x^2+28*x+1)^(1/2))/(-5+3*x)$  revogf  
A036543 16.0119  $-3*(x+1)*(-3+5*x)/(x-1)/(5*x+1)/(3*x-1)$  lgdogf  
A036543 7.77241 [  $\{-a(n+2)+4*a(n+1)-3*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A036544 3.49840 [  $\{a(n+3)-12*a(n+2)+21*a(n+1)-10*a(n), a(0) = 2, a(1) = 4, a(2) = 8\}$ , ogf]  
A036544 6.18948 [  $-2*(x^2-10*x+1)/(10*x-1)/(x-1)^2$  ogf]  
A036544 7.24043  $-2*(-1+19*x+5*x^3-95*x^2)/(-1+x)/(10*x-1)/(x^2-10*x+1)$  lgdogf  
A036545 13.2649 [  $(13*x+1)/(3*x-1)/(x-1)$  ogf]  
A036545 13.5789  $-1/2*(-4*x-1+(4*x^2+60*x+1)^(1/2))/(-13+3*x)$  revogf  
A036545 14.9368  $-(-17+6*x+39*x^2)/(x-1)/(3*x-1)/(13*x+1)$  lgdogf  
A036545 7.35164 [  $\{-a(n+2)+4*a(n+1)-3*a(n), a(0) = 1, a(1) = 17\}$ , ogf]  
A036546 13.7485 [  $(29*x+1)/(3*x-1)/(x-1)$  ogf]  
A036546 13.7715  $-1/2*(-4*x-1+(4*x^2+124*x+1)^(1/2))/(-29+3*x)$  revogf  
A036546 14.7552  $-3*(-11+2*x+29*x^2)/(x-1)/(29*x+1)/(3*x-1)$  lgdogf  
A036546 7.61966 [  $\{-a(n+2)+4*a(n+1)-3*a(n), a(0) = 1, a(1) = 33\}$ , ogf]  
A036547 13.0873 [  $(61*x+1)/(3*x-1)/(x-1)$  ogf]  
A036547 13.0994  $-1/2*(-4*x-1+(4*x^2+252*x+1)^(1/2))/(-61+3*x)$  revogf  
A036547 14.3774  $-(-65+6*x+183*x^2)/(x-1)/(3*x-1)/(61*x+1)$  lgdogf  
A036547 7.25318 [  $\{-a(n+2)+4*a(n+1)-3*a(n), a(0) = 1, a(1) = 65\}$ , ogf]  
A036548 13.2758 [  $(125*x+1)/(3*x-1)/(x-1)$  ogf]  
A036548 13.2918  $-1/2*(-4*x-1+(4*x^2+508*x+1)^(1/2))/(-125+3*x)$  revogf  
A036548 13.8959  $-3*(-43+2*x+125*x^2)/(x-1)/(3*x-1)/(125*x+1)$  lgdogf  
A036548 7.42813 [  $\{-a(n+2)+4*a(n+1)-3*a(n), a(0) = 1, a(1) = 129\}$ , ogf]  
A036549 12.2984  $-1/2*(-4*x-1+(4*x^2+1020*x+1)^(1/2))/(-253+3*x)$  revogf  
A036549 12.5615 [  $(253*x+1)/(3*x-1)/(x-1)$  ogf]  
A036549 13.4424  $-(-257+6*x+759*x^2)/(x-1)/(3*x-1)/(253*x+1)$  lgdogf  
A036549 7.02844 [  $\{-a(n+2)+4*a(n+1)-3*a(n), a(0) = 1, a(1) = 257\}$ , ogf]  
A036550 9.13186 [  $(5*x^2-4*x+1)/(3*x-1)/(2*x-1)/(x-1)^2$  ogf]  
A036550 9.48253  $-(3-21*x+63*x^2-97*x^3+60*x^4)/(x-1)/(3*x-1)/(-1+2*x)/(5*x^2-4*x+1)$  lgdogf  
A036551 11.2192 [  $-(10*x^2-6*x+1)/(x-1)/(6*x-1)/(2*x-1)$  ogf]  
A036551 6.24371 [  $\{-a(n+3)+9*a(n+2)-20*a(n+1)+12*a(n), a(0) = 1, a(1) = 3, a(2) = 17\}$ , ogf]  
A036551 8.22020  $-(3-20*x+66*x^2-144*x^3+120*x^4)/(-1+x)/(6*x-1)/(2*x-1)/(10*x^2-6*x+1)$  lgdogf

A036557 5.94407  $(1-45x^6+15x^8+20x^7-11x^2+4x^3+36x^4-16x^5)/(x-1)/(-1+2x)/(x+1)/(3x^2-1)/(x^5-3x^4-3x^3+4x^2+x-1)$  lgdogf  
A036557 6.61221  $[(x^5-3x^4-3x^3+4x^2+x-1)/(x-1)/(2x-1)/(x+1)/(3x^2-1)$  ogf]  
A036562 4.87301  $[{-a(n+4)+7a(n+3)-14a(n+2)+8a(n+1), a(0) = 1, a(1) = 8, a(2) = 23, a(3) = 77},$  ogf]  
A036562 8.48874  $-(8-66x+203x^2-264x^3+128x^4)/(x-1)/(-1+4x)/(2x-1)/(20x^3-19x^2+x+1)$  lgdogf  
A036562 9.13689  $[-(20x^3-19x^2+x+1)/(2x-1)/(4x-1)/(x-1)$  ogf]  
A036563 15.5573  $[(5x-2)/(2x-1)/(x-1)$  ogf]  
A036563 18.2407  $-(1-8x+10x^2)/(x-1)/(-1+2x)/(5x-2)$  lgdogf  
A036563 18.2407  $1/2/(2x-5)*(-2+3x+(4+8x+x^2)^{1/2})$  revogf  
A036563 8.53755  $[{a(n+2)-3a(n+1)+2a(n), a(0) = -2, a(1) = -1},$  ogf]  
A036564 12.0565  $[(2x+1)*(14x+1)/(2x-1)/(x-1)$  ogf]  
A036564 12.7408  $-(-19-52x+116x^2)/(x-1)/(2x+1)/(-1+2x)/(14x+1)$  lgdogf  
A036564 6.37604  $[{-a(n+3)+3a(n+2)-2a(n+1), a(0) = 1, a(1) = 19, a(2) = 83},$  ogf]  
A036572 13.4481  $[(2x^2-3)/(x+1)/(x-1)^3$  ogf]  
A036572 16.6830  $-2*(-3-4x+2x^2+2x^3)/(x-1)/(x+1)/(2x^2-3)$  lgdogf  
A036573 11.8537  $[-(x^3-4x^2+4)/(x+1)/(x-1)^3$  ogf]  
A036573 15.0937  $-(8+8x-5x^2-6x^3+x^4)/(x-1)/(x+1)/(x^3-4x^2+4)$  lgdogf  
A036605 9.02861  $-(4+8x+13x^2+20x^3+17x^4+6x^5+x^6)/(x^2+x+1)/(x^2+x-1)/(x^3+3x^2+4x+1)$  lgdogf  
A036605 9.71968  $[-(x^3+3x^2+4x+1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A036659 10.2048  $[(x^2+6x+2)/(x-1)^4$  ogf]  
A036659 20.8996  $-2*(7+10x+x^2)/(x-1)/(x^2+6x+2)$  lgdogf  
A036666 15.5610  $-(7+25x+19x^2+9x^3)/(x-1)/(x+1)/(3x^2+4x+3)$  lgdogf  
A036666 9.36395  $[-x*(3x^2+4x+3)/(x+1)^2/(x-1)^3$  ogf]  
A036681 10.4474  $[(x+2)*(x-1)/(x^2+x-1)^3$  ogf]  
A036681 16.0684  $-(2x+1)*(2x^2+2x-5)/(x+2)/(x-1)/(x^2+x-1)$  lgdogf  
A036682 13.6797  $-2*(2x+1)*(3x^2+3x-5)/(2x^2+2x-3)/(x^2+x-1)$  lgdogf  
A036682 6.63458  $[-(2x^2+2x-3)/(x^2+x-1)^4$  ogf]  
A036683 4.91440  $[-(x^4+2x^3-4x^2-5x+5)/(x^2+x-1)^5$  ogf]  
A036683 9.43341  $-(2x+1)*(3x^4+6x^3-15x^2-18x+20)/(x^2+x-1)/(x^4+2x^3-4x^2-5x+5)$  lgdogf  
A036684 4.08294  $[(x+2)*(x-1)*(3x^2+3x-4)/(x^2+x-1)^6$  ogf]  
A036684 8.31673  $-2*(2x+1)*(6x^4+12x^3-16x^2-22x+19)/(x-1)/(x+2)/(3x^2+3x-4)/(x^2+x-1)$  lgdogf  
A036754 10.1001  $7/(x+1)$  lgdegf  
A036758 31.0610  $x/(1+5x+6x^2+x^3)$  revogf  
A036759 8.15962  $-1/2*(-2-2x^3-3x-6x^2+((4x^4+8x^2+4x+1)*(x+2)^2)^{1/2})/(-1-x+2x^2+x^3)$  revogf  
A036765 42.4065  $x/(x+1)/(1+x^2)$  revogf  
A036766 34.8665  $x/(1+x+x^2+x^3+x^4)$  revogf  
A036767 24.7798  $x/(x+1)/(1+x^2+x)/(x^2-x+1)$  revogf  
A036769 29.2327  $x/(x+1)/(1+x^2)/(1+x^4)$  revogf  
A036770 5.17392  $[{(-8n^3-48n^2-94n-60)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 3},$  ogf]  
A036774 4.28248  $[{(n^3+3n^2+2n)*a(n)+(2n^2+7n+6)*a(n+1)+(-n-3)*a(n+2), a(0) = 0, a(1) = 1},$  ogf]  
A036774 41.9402  $2x/(2+2x+x^2)$  revogf  
A036775 25.8757  $6x/(6+6x+3x^2+x^3)$  revogf  
A036776 17.6219  $24x/(24+24x+12x^2+4x^3+x^4)$  revogf  
A036777 13.3239  $120x/(120+120x+x^5+60x^2+20x^3+5x^4)$  revogf  
A036799 17.3226  $[-2x/(x-1)/(2x-1)^2$  ogf]  
A036799 32.0506  $-(-5+6x)/(-1+2x)/(x-1)$  lgdogf  
A036799 6.95996  $[{a(n+3)-5a(n+2)+8a(n+1)-4a(n), a(0) = 0, a(1) = 2, a(2) = 10},$  ogf]  
A036800 17.3765  $-3*(-3+4x^2)/(x-1)/(2x+1)/(-1+2x)$  lgdogf  
A036800 9.48254  $[2x*(2x+1)/(x-1)/(2x-1)^3$  ogf]  
A036820 16.0293  $[-(x^4+x^3+1)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A036826 11.2578  $[x*(2x+1)/(x-1)/(2x-1)^3$  ogf]

A036826 21.2621  $-3*(-3+4*x^2)/(x-1)/(2*x+1)/(2*x-1)$  lgdogf  
A036826 3.80947  $[{(n+3)*a(n+4)+(-11-n)*a(n+3)+(-4-4*n)*a(n+2)+(12+4*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 45}]$ , ogf]  
A036827 12.3897  $-(-17-46*x+24*x^2+52*x^3)/(x-1)/(2*x-1)/(4*x^2+8*x+1)$  lgdogf  
A036827 7.74777  $[-2*x*(4*x^2+8*x+1)/(x-1)/(2*x-1)^4]$  ogf]  
A036828 13.5496  $-(-17-46*x+24*x^2+52*x^3)/(x-1)/(-1+2*x)/(4*x^2+8*x+1)$  lgdogf  
A036828 8.72428  $[-x*(4*x^2+8*x+1)/(x-1)/(2*x-1)^4]$  ogf]  
A036829 13.9097  $1/2*(216*x^2+1+36*x+(1+8*x)^(1/2))*x/(9*x+1)^3$  revogf  
A036829 3.60621  $[{(-729*n^2-729*n-162)*a(n)+(216*n^2+378*n+186)*a(n+1)+(-16*n^2-40*n-24)*a(n+2), a(0) = 0, a(1) = 1, a(2) = 7}]$ , ogf]  
A036837 3.93012  $[-(x^9-5*x^8+10*x^7-10*x^6+5*x^5-2*x^4+5*x^3-10*x^2+9*x-4)/(x^4+x^3+x^2+x+1)/(x-1)^6]$  ogf]  
A036908 4.60264  $[{9*a(n)*n+(3*n+9)*a(n+1)+(-5*n-12)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 5}]$ , ogf]  
A036909 29.4770  $x*(x+1)^2/(3*x+2)^3$  revogf  
A036909 4.42755  $[{(-54*n^2-270*n-336)*a(n+1)+(2*n^2+11*n+15)*a(n+2), a(0) = 8, a(1) = 160}]$ , ogf]  
A036917 2.98478  $[{(-256*n^3-1536*n^2-3072*n-2048)*a(n+1)+(32*n^3+240*n^2+608*n+520)*a(n+2)+(-n^3-9*n^2-27*n-27)*a(n+3), a(0) = 1, a(1) = 8, a(2) = 88}]$ , ogf]  
A036918 25.0078  $(5-4*x+x^2)/(x-1)/(x-2)$  lgdegf  
A036918 3.22744  $[{(n+2)*a(n+1)+(-2*n-8)*a(n+2)+(n+7)*a(n+3)-a(n+4), a(0) = 0, a(1) = 2, a(2) = 10, a(3) = 48}]$ , ogf]  
A036919 24.2263  $(5-4*x+x^2)/(x-1)/(x-2)$  lgdegf  
A036919 3.14552  $[{(n+2)*a(n+1)+(-2*n-8)*a(n+2)+(n+7)*a(n+3)-a(n+4), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 24}]$ , ogf]  
A036973 16.6753  $-4*(4+7*x+6*x^2)/(4*x-1)/(4*x^2+2*x+1)$  lgdogf  
A036973 3.18285  $[{(n+3)*a(n+4)+(-20-2*n)*a(n+3)+(-32-4*n)*a(n+2)+(-24-16*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 16, a(3) = 158}]$ , ogf]  
A036982 6.87135  $[-(510*x^9-256*x^8-128*x^7-64*x^6-32*x^5-16*x^4-8*x^3-4*x^2-3*x-1)/(x-1)^2]$  ogf]  
A036988 5.69709  $[-(x^24+x^20+x^18+x^16+x^12+x^10+x^8+x^4+x^2+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x^16+1)]$  ogf]  
A036999 12.9046  $-(3-4*x+2*x^4+2*x^3-2*x^2)/(x-1)/(x^2+x-1)/(2*x^2+x-2)$  lgdogf  
A036999 13.4164  $[-3*(2*x^2+x-2)/(x-1)/(x^2+x-1)]$  ogf]  
A036999 7.48495  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 6, a(1) = 9, a(2) = 12}]$ , ogf]  
A037078 10.4389  $-(-2+24*x^5-6*x-4*x^3+15*x^4-9*x^2)/(x-1)/(2*x+1)/(x^2+x+1)/(3*x^2-1)$  lgdogf  
A037078 11.9842  $[x*(2*x+1)/(x-1)/(x^2+x+1)/(3*x^2-1)]$  ogf]  
A037079 5.57872  $-(-2-6*x+9*x^10+2*x^7+8*x^2-10*x^3+7*x^4-10*x^5-18*x^9+12*x^6+26*x^8)/(x-1)/(x^2+x+1)/(x^2-x+1)/(3*x^2-1)/(x^4-x^3+x^2+x+1)$  lgdogf  
A037079 6.16681  $[x*(x^4-x^3+x^2+x+1)/(x-1)/(3*x^2-1)/(x^2+x+1)/(x^2-x+1)]$  ogf]  
A037087 7.22911  $[x*(2*x^8+x^7+2*x^6+x^5+2*x^4+x^3+2*x^2+x+1)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2]$  ogf]  
A037123 5.93554  $[x*(8*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^3]$  ogf]  
A037124 7.42288  $[-(9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(10*x^9-1)]$  ogf]  
A037140 12.7758  $[-(3*x+5)/(x^2+x-1)/(x-1)^2]$  ogf]  
A037140 13.6629  $-(-18+2*x+23*x^2+9*x^3)/(x-1)/(3*x+5)/(x^2+x-1)$  lgdogf  
A037140 4.16752  $[{(-8*n-37)*a(n+1)-8*a(n+2)+(16*n+66)*a(n+3)+(-8*n-29)*a(n+4), a(0) = 5, a(1) = 18, a(2) = 44, a(3) = 91}]$ , ogf]  
A037141 10.3250  $-(-7-13*x+24*x^3-12*x^2)/(-1+x)/(8*x-5)/(x^2+x-1)$  lgdogf  
A037141 12.9413  $[(8*x-5)/(x^2+x-1)/(x-1)^2]$  ogf]  
A037141 4.31377  $[{(3*n+7)*a(n+1)+3*a(n+2)+(-6*n-11)*a(n+3)+(3*n+4)*a(n+4), a(0) = 5, a(1) = 7, a(2) = 11, a(3) = 14}]$ , ogf]  
A037145 13.3328  $[x^5+x^4+x^3+x^2+x]$  ogf\_with\_Euler\_transform]  
A037145 4.97436  $[-1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^5]$  ogf]  
A037156 5.04245  $[{a(n+2)-110*a(n+1)+1000*a(n), a(0) = 1, a(1) = 55}]$ , ogf]  
A037156 8.49954  $-5*(11-400*x+11000*x^2)/(100*x-1)/(10*x-1)/(55*x-1)$  lgdogf

A037156 8.70071 [  $-(55*x-1)/(100*x-1)/(10*x-1)$  ogf]  
A037157 11.1464 [  $-(5*x+8)/(x^2+x-1)/(x-1)^2$  ogf]  
A037157 13.8790 [  $-(29+3*x+37*x^2+15*x^3)/(5*x+8)/(x-1)/(x^2+x-1)$  lgdogf  
A037157 3.54130 [  $\{(13*n+60)*a(n+1)+13*a(n+2)+(-26*n-107)*a(n+3)+(13*n+47)*a(n+4), a(0) = 8, a(1) = 29, a(2) = 71, a(3) = 147\}$ , ogf]  
A037158 12.1792 [  $(21*x-13)/(x^2+x-1)/(x-1)^2$  ogf]  
A037158 15.0506 [  $-(18-34*x+63*x^2-31*x^3)/(x-1)/(21*x-13)/(x^2+x-1)$  lgdogf  
A037158 4.08131 [  $\{(8*n+19)*a(n+1)+8*a(n+2)+(-16*n-30)*a(n+3)+(8*n+11)*a(n+4), a(0) = 13, a(1) = 18, a(2) = 28, a(3) = 35\}$ , ogf]  
A037182 10.2598 [  $45*x/(100*x-1)/(10*x-1)$  ogf]  
A037182 10.3209 [  $-1/400*(-9-22*x+3*(9+44*x+36*x^2)^{1/2})/x$  revogf  
A037182 12.7493 [  $-10*(-11+200*x)/(10*x-1)/(100*x-1)$  lgdogf  
A037182 5.07093 [  $\{a(n+2)-110*a(n+1)+1000*a(n), a(0) = 0, a(1) = 45\}$ , ogf]  
A037184 3.01336 [  $\{(-n^2-11*n-30)*a(n+1)+(-n^2-10*n-24)*a(n+2)+(n+3)*a(n+3), a(0) = 6, a(1) = 48, a(2) = 420\}$ , ogf]  
A037206 3.22638 [  $x*(x^4-8*x-1)/(x-1)^3/(x+1)^3$  ogf]  
A037220 3.87484 [  $x*(98010*x^9+9900990*x^8-10001000*x^7-1020810091*x^6-100010*x^5-10209100*x^4-101082*x^3-20*x^2-1001*x-10)/(x-1)$  ogf]  
A037223 4.85750 [  $\{(-n^2-4*n-4)*a(n+1)+a(n+2)+(n+1)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A037235 12.7498 [  $x*(3*x^2+1)/(x-1)^4$  ogf]  
A037235 25.5433 [  $-2*(2+3*x+3*x^2)/(x-1)/(3*x^2+1)$  lgdogf  
A037235 4.22826 [  $\{(n+3)*a(n+4)+(-6-n)*a(n+3)+(-3+3*n)*a(n+2)+(-6-3*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 13\}$ , ogf]  
A037236 20.9063 [  $-4*(3+x+x^2)/(x-1)/(2*x^2+3)$  lgdogf  
A037236 9.22278 [  $(2*x^2+3)/(x-1)^4$  ogf]  
A037237 22.2432 [  $-2*(6+x+x^2)/(x-1)/(x^2+3)$  lgdogf  
A037237 9.11428 [  $(x^2+3)/(x-1)^4$  ogf]  
A037240 5.09662 [  $(x^6+x^5+5*x^4+3*x^3+x^2+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^6$  ogf]  
A037240 5.17709 [  $-(1+10*x+95*x^6+96*x^5+62*x^7+66*x^4+53*x^3+16*x^8+7*x^9+26*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^6+x^5+5*x^4+3*x^3+x^2+1)$  lgdogf  
A037241 3.95967 [  $(4*x^8+8*x^7+15*x^6+13*x^5+15*x^4+7*x^3+3*x^2+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^6$  ogf]  
A037242 4.07214 [  $(x^8+x^7+2*x^6+4*x^5+8*x^4+4*x^3+2*x^2+x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A037250 11.7414 [  $-3*(15+31*x+x^3+13*x^2)/(x-1)/(x^3+9*x^2+15*x+5)$  lgdogf  
A037250 3.60873 [  $\{(n^2+n)*a(n)+(-2*n^2-4*n-30)*a(n+1)+(n^2+3*n)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 20\}$ , ogf]  
A037250 5.32879 [  $4*x^2*(x^3+9*x^2+15*x+5)/(x-1)^6$  ogf]  
A037251 3.74871 [  $24*x^2*(7*x^4+61*x^3+100*x^2+39*x+3)/(x-1)^8$  ogf]  
A037251 7.46265 [  $-(63+473*x+28*x^4+333*x^3+783*x^2)/(x-1)/(7*x^4+61*x^3+100*x^2+39*x+3)$  lgdogf  
A037255 21.3042 [  $-(4+2*x^3+9*x^2)/(x-1)/(x^3+2*x^2-x+1)$  lgdogf  
A037255 4.48469 [  $\{(-22*n^2-108*n-128)*a(n+1)+(31*n^2+49*n-118)*a(n+2)+(-9*n^2+7*n+50)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A037255 9.01867 [  $-x*(x^3+2*x^2-x+1)/(x-1)^5$  ogf]  
A037256 3.61684 [  $\{(2*n^2+10*n+12)*a(n+1)+(n^2+3*n)*a(n+2)+(-2*n-6)*a(n+3)+a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 10\}$ , ogf]  
A037269 4.21119 [  $(x^8-x^6+x^4-x^2+1)*(x^16+x^14-x^10-x^8-x^6+x^2+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x^2-x+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A037270 12.8965 [  $-2*(5+15*x+x^3+9*x^2)/(x-1)/(x+1)/(x^2+4*x+1)$  lgdogf  
A037270 3.45407 [  $\{(n^2+2*n)*a(n+1)+(-2*n^2-8*n-36)*a(n+2)+(n^2+6*n+8)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 10\}$ , ogf]  
A037270 6.49062 [  $-x*(x+1)*(x^2+4*x+1)/(x-1)^5$  ogf]  
A037344 6.35280 [  $-(10*x^16-11*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-2)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A037374 4.28683 [  $-(19*x^20-16*x^19+17*x^18-17*x^17+17*x^16-17*x^15+2*x^14-x^13-x^11-3*x^10+17*x^4-16*x^3+2*x^2-3*x-1)/(x-1)^2$  ogf]  
A037451 14.4017 [  $-(3-14*x+2*x^5+3*x^4+4*x^3+12*x^2)/(x^2+1)/(x^2+4*x-1)/(x^2-$



$x-1)$  lgdogf  
A037451 14.5571 [  $x*(x^2+1)/(x^2+4x-1)/(x^2-x-1)$  ogf]  
A037459 4.43051 [  
 $(7*x^{15}+x^{14}+x^{13}+x^{12}+2*x^{11}+x^{10}+x^9+x^8+2*x^7+x^6+x^5+x^4+2*x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A037460 4.58291 [  
 $x*(15*x^{15}+x^{14}+x^{13}+x^{12}+3*x^{11}+x^{10}+x^9+x^8+3*x^7+x^6+x^5+x^4+3*x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A037461 4.23764 [  
 $(25*x^{15}+x^{14}+x^{13}+x^{12}+4*x^{11}+x^{10}+x^9+x^8+4*x^7+x^6+x^5+x^4+4*x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A037462 4.55591 [  
 $x*(37*x^{15}+x^{14}+x^{13}+x^{12}+5*x^{11}+x^{10}+x^9+x^8+5*x^7+x^6+x^5+x^4+5*x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A037463 4.51737 [  
 $x*(51*x^{15}+x^{14}+x^{13}+x^{12}+6*x^{11}+x^{10}+x^9+x^8+6*x^7+x^6+x^5+x^4+6*x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A037479 6.93033 [  $(2*x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A037480 11.5394 [  $(2*x+1)/(x-1)/(3*x-1)/(x+1)$  ogf]  
A037480 11.7394  $-(-5-2*x+7*x^2+12*x^3)/(x-1)/(-1+3*x)/(1+2*x)/(x+1)$  lgdogf  
A037480 5.41227 [  $\{a(n+3)-3*a(n+2)-a(n+1)+3*a(n), a(0) = 1, a(1) = 5, a(2) = 16\}$ , ogf]  
A037481 10.9838 [  $x*(2*x+1)/(x-1)/(4*x-1)/(x+1)$  ogf]  
A037481 12.5825  $-2*(-3-x+5*x^2+8*x^3)/(x-1)/(4*x-1)/(2*x+1)/(x+1)$  lgdogf  
A037481 5.64032 [  $\{-a(n+3)+4*a(n+2)+a(n+1)-4*a(n), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A037482 11.7226 [  $(2*x+1)/(x-1)/(5*x-1)/(x+1)$  ogf]  
A037482 11.9399  $-(-7-2*x+20*x^3+13*x^2)/(x-1)/(2*x+1)/(5*x-1)/(x+1)$  lgdogf  
A037482 5.49822 [  $\{a(n+3)-5*a(n+2)-a(n+1)+5*a(n), a(0) = 1, a(1) = 7, a(2) = 36\}$ , ogf]  
A037483 11.5462 [  $(2*x+1)/(x-1)/(6*x-1)/(x+1)$  ogf]  
A037483 11.9954  $-2*(-4-x+12*x^3+8*x^2)/(x-1)/(6*x-1)/(2*x+1)/(x+1)$  lgdogf  
A037483 5.41548 [  $\{a(n+3)-6*a(n+2)-a(n+1)+6*a(n), a(0) = 1, a(1) = 8, a(2) = 49\}$ , ogf]  
A037484 10.0457  $-(-9-2*x+28*x^3+19*x^2)/(x-1)/(1+2*x)/(7*x-1)/(x+1)$  lgdogf  
A037484 4.63814 [  $\{a(n+3)-7*a(n+2)-a(n+1)+7*a(n), a(0) = 1, a(1) = 9, a(2) = 64\}$ , ogf]  
A037484 9.88887 [  $(2*x+1)/(x-1)/(7*x-1)/(x+1)$  ogf]  
A037485 4.31020 [  $\{a(n+3)-8*a(n+2)-a(n+1)+8*a(n), a(0) = 1, a(1) = 10, a(2) = 81\}$ , ogf]  
A037485 9.27100 [  $(2*x+1)/(x-1)/(8*x-1)/(x+1)$  ogf]  
A037485 9.40787  $-2*(-5-x+16*x^3+11*x^2)/(x-1)/(1+2*x)/(8*x-1)/(x+1)$  lgdogf  
A037486 3.91722 [  $\{a(n+3)-9*a(n+2)-a(n+1)+9*a(n), a(0) = 1, a(1) = 11, a(2) = 100\}$ , ogf]  
A037486 8.28580  $-(-11-2*x+36*x^3+25*x^2)/(-1+x)/(9*x-1)/(2*x+1)/(x+1)$  lgdogf  
A037486 8.49962 [  $(2*x+1)/(x-1)/(9*x-1)/(x+1)$  ogf]  
A037487 12.6910 [  $(2*x+1)/(x-1)/(10*x-1)/(x+1)$  ogf]  
A037487 5.96585 [  $\{a(n+3)-10*a(n+2)-a(n+1)+10*a(n), a(0) = 1, a(1) = 12, a(2) = 121\}$ , ogf]  
A037487 7.89927  $-2*(-6-x+20*x^3+14*x^2)/(-1+x)/(2*x+1)/(10*x-1)/(x+1)$  lgdogf  
A037488 11.7823 [  $(x+2)/(x-1)/(3*x-1)/(x+1)$  ogf]  
A037488 12.7414  $-(-7-4*x+17*x^2+6*x^3)/(x-1)/(3*x-1)/(x+2)/(x+1)$  lgdogf  
A037488 5.52622 [  $\{-a(n+3)+3*a(n+2)+a(n+1)-3*a(n), a(0) = 2, a(1) = 7, a(2) = 23\}$ , ogf]  
A037489 11.7729 [  $(x+2)/(x-1)/(4*x-1)/(x+1)$  ogf]  
A037489 12.4780  $-(-9-4*x+23*x^2+8*x^3)/(x-1)/(-1+4*x)/(x+2)/(x+1)$  lgdogf  
A037489 5.52180 [  $\{-a(n+3)+4*a(n+2)+a(n+1)-4*a(n), a(0) = 2, a(1) = 9, a(2) = 38\}$ , ogf]  
A037490 12.0142 [  $(x+2)/(x-1)/(5*x-1)/(x+1)$  ogf]  
A037490 12.4878  $-(-11-4*x+29*x^2+10*x^3)/(x-1)/(5*x-1)/(x+2)/(x+1)$  lgdogf

A037490 5.58556 [  $\{-a(n+3)+5*a(n+2)+a(n+1)-5*a(n), a(0) = 2, a(1) = 11, a(2) = 57\}$ , ogf]  
A037491 10.6829 [  $(x+2)/(x-1)/(6*x-1)/(x+1)$  ogf]  
A037491 4.96661 [  $\{-a(n+3)+6*a(n+2)+a(n+1)-6*a(n), a(0) = 2, a(1) = 13, a(2) = 80\}$ , ogf]  
A037492 10.1667 [  $(x+2)/(x-1)/(7*x-1)/(x+1)$  ogf]  
A037492 10.5411  $-(-15-4*x+14*x^3+41*x^2)/(x-1)/(7*x-1)/(x+2)/(x+1)$  lgdogf  
A037492 4.68550 [  $\{-a(n+3)+7*a(n+2)+a(n+1)-7*a(n), a(0) = 2, a(1) = 15, a(2) = 107\}$ , ogf]  
A037493 4.37325 [  $\{-a(n+3)+8*a(n+2)+a(n+1)-8*a(n), a(0) = 2, a(1) = 17, a(2) = 138\}$ , ogf]  
A037493 9.48913 [  $(x+2)/(x-1)/(8*x-1)/(x+1)$  ogf]  
A037493 9.82726  $-(-17-4*x+16*x^3+47*x^2)/(x-1)/(8*x-1)/(x+2)/(x+1)$  lgdogf  
A037494 4.04040 [  $\{-a(n+3)+9*a(n+2)+a(n+1)-9*a(n), a(0) = 2, a(1) = 19, a(2) = 173\}$ , ogf]  
A037494 8.76691 [  $(x+2)/(x-1)/(9*x-1)/(x+1)$  ogf]  
A037494 8.88850  $-(-19-4*x+18*x^3+53*x^2)/(-1+x)/(9*x-1)/(2+x)/(x+1)$  lgdogf  
A037495 3.67309 [  $\{-a(n+3)+10*a(n+2)+a(n+1)-10*a(n), a(0) = 2, a(1) = 21, a(2) = 212\}$ , ogf]  
A037495 7.81365 [  $(x+2)/(x-1)/(10*x-1)/(x+1)$  ogf]  
A037495 8.05117  $-(-21-4*x+20*x^3+59*x^2)/(-1+x)/(10*x-1)/(2+x)/(x+1)$  lgdogf  
A037496 11.4891 [  $(2*x^2+1)/(3*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037496 9.30211  $-(-3-4*x-2*x^4+12*x^3+12*x^5+3*x^2)/(x-1)/(3*x-1)/(x^2+x+1)/(2*x^2+1)$  lgdogf  
A037497 11.5413 [  $(2*x^2+1)/(4*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037497 9.21634  $-(-4-4*x+16*x^5+5*x^2+16*x^3-2*x^4)/(x-1)/(-1+4*x)/(x^2+x+1)/(1+2*x^2)$  lgdogf  
A037498 10.7915 [  $(2*x^2+1)/(x-1)/(5*x-1)/(x^2+x+1)$  ogf]  
A037498 8.73555  $-(-5-4*x+7*x^2+20*x^3-2*x^4+20*x^5)/(x-1)/(5*x-1)/(x^2+x+1)/(2*x^2+1)$  lgdogf  
A037499 10.6291 [  $(2*x^2+1)/(x-1)/(6*x-1)/(x^2+x+1)$  ogf]  
A037499 8.60408  $-(-6-4*x+9*x^2+24*x^3-2*x^4+24*x^5)/(x-1)/(6*x-1)/(x^2+x+1)/(2*x^2+1)$  lgdogf  
A037500 7.27697  $-(-7-4*x+28*x^5-2*x^4+28*x^3+11*x^2)/(x-1)/(7*x-1)/(x^2+x+1)/(2*x^2+1)$  lgdogf  
A037500 9.14326 [  $(2*x^2+1)/(x-1)/(7*x-1)/(x^2+x+1)$  ogf]  
A037501 6.77172  $-(-8-4*x-2*x^4+32*x^3+32*x^5+13*x^2)/(x-1)/(8*x-1)/(x^2+x+1)/(2*x^2+1)$  lgdogf  
A037501 8.51898 [  $(2*x^2+1)/(x-1)/(8*x-1)/(x^2+x+1)$  ogf]  
A037502 12.5520 [  $(2*x^2+1)/(x-1)/(9*x-1)/(x^2+x+1)$  ogf]  
A037502 9.90541  $-(-9-4*x+36*x^5-2*x^4+36*x^3+15*x^2)/(-1+x)/(9*x-1)/(x^2+x+1)/(2*x^2+1)$  lgdogf  
A037503 5.73508  $-(-10-4*x+40*x^5-2*x^4+40*x^3+17*x^2)/(10*x-1)/(-1+x)/(1+x^2+x)/(1+2*x^2)$  lgdogf  
A037503 7.28392 [  $(2*x^2+1)/(10*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037504 10.5037  $-(-5-3*x^2+8*x^3+18*x^4)/(1+2*x)/(-1+3*x)/(x-1)/(x^2+x+1)$  lgdogf  
A037504 11.5394 [  $(2*x+1)/(3*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037505 11.6907  $-3*(-2+4*x^3+8*x^4-x^2)/(x-1)/(2*x+1)/(-1+4*x)/(x^2+x+1)$  lgdogf  
A037505 12.5923 [  $(2*x+1)/(4*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037506 10.6831  $-(-7+30*x^4+16*x^3-3*x^2)/(5*x-1)/(2*x+1)/(x-1)/(x^2+x+1)$  lgdogf  
A037506 11.7226 [  $(2*x+1)/(x-1)/(5*x-1)/(x^2+x+1)$  ogf]  
A037507 10.5223  $-(-8+36*x^4+20*x^3-3*x^2)/(2*x+1)/(6*x-1)/(x-1)/(x^2+x+1)$  lgdogf  
A037507 11.5462 [  $(2*x+1)/(x-1)/(6*x-1)/(x^2+x+1)$  ogf]  
A037508 9.14880  $-3*(-3+14*x^4+8*x^3-x^2)/(7*x-1)/(1+2*x)/(x-1)/(x^2+x+1)$  lgdogf  
A037508 9.88887 [  $(2*x+1)/(x-1)/(7*x-1)/(x^2+x+1)$  ogf]  
A037509 8.27244  $-(-10+48*x^4+28*x^3-3*x^2)/(8*x-1)/(1+2*x)/(x-1)/(x^2+x+1)$  lgdogf  
A037509 9.27100 [  $(2*x+1)/(x-1)/(8*x-1)/(x^2+x+1)$  ogf]  
A037510 7.39516  $-(-11+54*x^4+32*x^3-3*x^2)/(-1+x)/(2*x+1)/(9*x-1)/(x^2+x+1)$  lgdogf  
A037510 8.44617 [  $(2*x+1)/(x-1)/(9*x-1)/(x^2+x+1)$  ogf]

A037511 7.09595  $-3*(-4+20*x^4+12*x^3-x^2)/(10*x-1)/(2*x+1)/(-1+x)/(1+x^2+x)$   
lgdogf  
A037511 7.81365  $[(2*x+1)/(10*x-1)/(x-1)/(x^2+x+1) \text{ ogf}]$   
A037512 10.8425  $[(x^2+2)/(3*x-1)/(x-1)/(x^2+x+1) \text{ ogf}]$   
A037512 9.45546  $-(-6-2*x-3*x^2+24*x^3-x^4+6*x^5)/(x-1)/(3*x-1)/(x^2+x+1)/(x^2+2)$   
lgdogf  
A037513 10.7817  $[(x^2+2)/(4*x-1)/(x-1)/(x^2+x+1) \text{ ogf}]$   
A037513 9.40647  $-(-8-2*x-2*x^2+32*x^3-x^4+8*x^5)/(4*x-1)/(x-1)/(x^2+x+1)/(x^2+2)$   
lgdogf  
A037514 11.1169  $[(x^2+2)/(x-1)/(5*x-1)/(x^2+x+1) \text{ ogf}]$   
A037514 9.70780  $-(-10-2*x+10*x^5-x^4+40*x^3-x^2)/(x-1)/(5*x-1)/(x^2+x+1)/(x^2+2)$   
lgdogf  
A037515 10.8962  $[(x^2+2)/(x-1)/(6*x-1)/(x^2+x+1) \text{ ogf}]$   
A037515 9.98203  $-(-12-2*x+12*x^5-x^4+48*x^3)/(x-1)/(-1+6*x)/(x^2+x+1)/(x^2+2)$   
lgdogf  
A037516 9.34989  $[(x^2+2)/(x-1)/(7*x-1)/(x^2+x+1) \text{ ogf}]$   
A037517 7.44489  $-(-16-2*x+16*x^5-x^4+64*x^3+2*x^2)/(8*x-1)/(x-1)/(x^2+x+1)/$   
 $(x^2+2) \text{ lgdogf}$   
A037517 8.82323  $[(x^2+2)/(x-1)/(8*x-1)/(x^2+x+1) \text{ ogf}]$   
A037518 11.5625  $[(x^2+2)/(x-1)/(9*x-1)/(x^2+x+1) \text{ ogf}]$   
A037518 6.72359  $-(-18-2*x+18*x^5-x^4+72*x^3+3*x^2)/(-1+x)/(9*x-1)/(x^2+x+1)/$   
 $(x^2+2) \text{ lgdogf}$   
A037519 6.15678  $-(-20-2*x+20*x^5-x^4+80*x^3+4*x^2)/(10*x-1)/(-1+x)/(1+x^2+x)/$   
 $(x^2+2) \text{ lgdogf}$   
A037519 7.28392  $[(x^2+2)/(10*x-1)/(x-1)/(x^2+x+1) \text{ ogf}]$   
A037520 11.0612  $-(-7-6*x^2+22*x^3+9*x^4)/(-1+x)/(3*x-1)/(x+2)/(x^2+x+1) \text{ lgdogf}$   
A037520 11.7216  $[(x+2)/(3*x-1)/(x-1)/(x^2+x+1) \text{ ogf}]$   
A037521 10.6167  $-3*(-3-2*x^2+10*x^3+4*x^4)/(x-1)/(x+2)/(-1+4*x)/(x^2+x+1) \text{ lgdogf}$   
A037521 11.6546  $[(x+2)/(4*x-1)/(x-1)/(x^2+x+1) \text{ ogf}]$   
A037522 11.1498  $-(-11-6*x^2+38*x^3+15*x^4)/(x+2)/(5*x-1)/(x-1)/(x^2+x+1) \text{ lgdogf}$   
A037522 12.0142  $[(x+2)/(x-1)/(5*x-1)/(x^2+x+1) \text{ ogf}]$   
A037523 10.6829  $[(x+2)/(x-1)/(6*x-1)/(x^2+x+1) \text{ ogf}]$   
A037524 10.1667  $[(x+2)/(x-1)/(7*x-1)/(x^2+x+1) \text{ ogf}]$   
A037524 9.41169  $-3*(-5+18*x^3-2*x^2+7*x^4)/(x+2)/(7*x-1)/(x-1)/(x^2+x+1) \text{ lgdogf}$   
A037525 8.77434  $-(-17+24*x^4+62*x^3-6*x^2)/(x+2)/(8*x-1)/(x-1)/(x^2+x+1) \text{ lgdogf}$   
A037525 9.48913  $[(x+2)/(x-1)/(8*x-1)/(x^2+x+1) \text{ ogf}]$   
A037526 7.95287  $-(-19+27*x^4+70*x^3-6*x^2)/(2+x)/(9*x-1)/(-1+x)/(x^2+x+1) \text{ lgdogf}$   
A037526 8.76691  $[(x+2)/(x-1)/(9*x-1)/(x^2+x+1) \text{ ogf}]$   
A037527 11.6275  $-3*(-7+10*x^4+26*x^3-2*x^2)/(2+x)/(10*x-1)/(-1+x)/(1+x^2+x)$   
lgdogf  
A037527 12.6910  $[(x+2)/(10*x-1)/(x-1)/(x^2+x+1) \text{ ogf}]$   
A037528 9.97325  $[(2*x^2+x+1)/(3*x-1)/(x-1)/(x^2+x+1) \text{ ogf}]$   
A037529 10.7845  $[(2*x^2+x+1)/(4*x-1)/(x-1)/(x^2+x+1) \text{ ogf}]$   
A037529 8.83759  $-(-5-4*x+16*x^5+5*x^2+14*x^3+10*x^4)/(x-1)/(-1+4*x)/(x^2+x+1)/$   
 $(2*x^2+x+1) \text{ lgdogf}$   
A037530 10.1346  $[(2*x^2+x+1)/(x-1)/(5*x-1)/(x^2+x+1) \text{ ogf}]$   
A037530 8.41450  $-(-6-4*x+13*x^4+18*x^3+20*x^5+7*x^2)/(x-1)/(5*x-1)/(x^2+x+1)/$   
 $(2*x^2+x+1) \text{ lgdogf}$   
A037531 8.24558  $-(-7-4*x+9*x^2+22*x^3+16*x^4+24*x^5)/(x-1)/(6*x-1)/(x^2+x+1)/$   
 $(2*x^2+x+1) \text{ lgdogf}$   
A037531 9.93211  $[(2*x^2+x+1)/(x-1)/(6*x-1)/(x^2+x+1) \text{ ogf}]$   
A037532 6.97792  $-(-8-4*x+28*x^5+19*x^4+26*x^3+11*x^2)/(x-1)/(7*x-1)/(x^2+x+1)/$   
 $(2*x^2+x+1) \text{ lgdogf}$   
A037532 8.54370  $[(2*x^2+x+1)/(x-1)/(7*x-1)/(x^2+x+1) \text{ ogf}]$   
A037533 11.2298  $[(2*x^2+x+1)/(x-1)/(8*x-1)/(x^2+x+1) \text{ ogf}]$   
A037533 6.49343  $-(-9-4*x+22*x^4+30*x^3+32*x^5+13*x^2)/(x-1)/(8*x-1)/(x^2+x+1)/$   
 $(2*x^2+x+1) \text{ lgdogf}$   
A037534 5.81752  $-(-10-4*x+36*x^5+25*x^4+34*x^3+15*x^2)/(9*x-1)/(-1+x)/(x^2+x+1)/$   
 $(2*x^2+x+1) \text{ lgdogf}$   
A037534 7.33848  $[(2*x^2+x+1)/(x-1)/(9*x-1)/(x^2+x+1) \text{ ogf}]$   
A037535 5.50870  $-(-11-4*x+40*x^5+28*x^4+38*x^3+17*x^2)/(10*x-1)/(-1+x)/$

$(1+x^2+x)/(x+1+2*x^2)$  lgdogf  
A037535 6.82144 [  $(2*x^2+x+1)/(10*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037536 10.0260 [  $(x+1)^2/(3*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037536 10.1477  $-( -5+3*x-3*x^2+11*x^3+6*x^4)/(x-1)/(-1+3*x)/(x+1)/(x^2+x+1)$  lgdogf  
A037537 10.0747 [  $(x+1)^2/(4*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037537 10.3796  $-( -6+4*x-3*x^2+15*x^3+8*x^4)/(x-1)/(4*x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A037538 10.1852 [  $(x+1)^2/(x-1)/(5*x-1)/(x^2+x+1)$  ogf]  
A037538 10.3209  $-( -7+5*x+10*x^4+19*x^3-3*x^2)/(x-1)/(5*x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A037539 10.0320 [  $(x+1)^2/(x-1)/(6*x-1)/(x^2+x+1)$  ogf]  
A037539 10.1656  $-( -8+6*x+12*x^4+23*x^3-3*x^2)/(x-1)/(6*x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A037540 8.59197 [  $(x+1)^2/(x-1)/(7*x-1)/(x^2+x+1)$  ogf]  
A037540 8.68360  $-( -9+7*x+14*x^4+27*x^3-3*x^2)/(x-1)/(7*x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A037541 7.99669  $-( -10+8*x+16*x^4+31*x^3-3*x^2)/(x-1)/(8*x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A037541 8.05513 [  $(x+1)^2/(x-1)/(8*x-1)/(x^2+x+1)$  ogf]  
A037542 7.19914  $-( -11+9*x+18*x^4+35*x^3-3*x^2)/(-1+x)/(9*x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A037542 7.38492 [  $(x+1)^2/(x-1)/(9*x-1)/(x^2+x+1)$  ogf]  
A037543 6.64541  $-( -12+10*x+20*x^4+39*x^3-3*x^2)/(-1+x)/(10*x-1)/(x+1)/(1+x^2+x)$  lgdogf  
A037543 6.82144 [  $(x+1)^2/(10*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037544 10.0788 [  $(2*x^2+2*x+1)/(3*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037544 8.24562  $-( -5-4*x+3*x^2+8*x^3+16*x^4+12*x^5)/(x-1)/(3*x-1)/(x^2+x+1)/(2*x^2+2*x+1)$  lgdogf  
A037545 10.0747 [  $(2*x^2+2*x+1)/(4*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037545 8.13533  $-( -6-4*x+5*x^2+12*x^3+22*x^4+16*x^5)/(4*x-1)/(x-1)/(x^2+x+1)/(2*x^2+2*x+1)$  lgdogf  
A037546 10.1852 [  $(2*x^2+2*x+1)/(x-1)/(5*x-1)/(x^2+x+1)$  ogf]  
A037546 8.22885  $-( -7-4*x+28*x^4+16*x^3+20*x^5+7*x^2)/(5*x-1)/(x-1)/(x^2+x+1)/(2*x^2+2*x+1)$  lgdogf  
A037547 10.0320 [  $(2*x^2+2*x+1)/(x-1)/(6*x-1)/(x^2+x+1)$  ogf]  
A037547 8.10501  $-( -8-4*x+34*x^4+20*x^3+24*x^5+9*x^2)/(6*x-1)/(x-1)/(x^2+x+1)/(2*x^2+2*x+1)$  lgdogf  
A037548 6.83110  $-( -9-4*x+28*x^5+40*x^4+24*x^3+11*x^2)/(7*x-1)/(x-1)/(x^2+x+1)/(1+2*x^2+2*x)$  lgdogf  
A037548 8.59197 [  $(2*x^2+2*x+1)/(x-1)/(7*x-1)/(x^2+x+1)$  ogf]  
A037549 10.1658 [  $(2*x^2+2*x+1)/(x-1)/(8*x-1)/(x^2+x+1)$  ogf]  
A037549 6.31318  $-( -10-4*x+32*x^5+46*x^4+28*x^3+13*x^2)/(8*x-1)/(x-1)/(x^2+x+1)/(2*x^2+2*x+1)$  lgdogf  
A037550 5.70321  $-( -11-4*x+36*x^5+52*x^4+32*x^3+15*x^2)/(9*x-1)/(-1+x)/(x^2+x+1)/(2*x^2+2*x+1)$  lgdogf  
A037550 7.38492 [  $(2*x^2+2*x+1)/(x-1)/(9*x-1)/(x^2+x+1)$  ogf]  
A037551 5.36745  $-( -12-4*x+40*x^5+58*x^4+36*x^3+17*x^2)/(10*x-1)/(-1+x)/(1+x^2+x)/(1+2*x^2+2*x)$  lgdogf  
A037551 6.82144 [  $(2*x^2+2*x+1)/(10*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037552 10.1843 [  $(x^2+x+2)/(3*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037552 8.81693  $-( -7-2*x-3*x^2+22*x^3+8*x^4+6*x^5)/(3*x-1)/(-1+x)/(x^2+x+1)/(x^2+x+2)$  lgdogf  
A037553 10.1775 [  $(x^2+x+2)/(4*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037553 8.68979  $-( -9-2*x-2*x^2+30*x^3+11*x^4+8*x^5)/(x-1)/(-1+4*x)/(x^2+x+1)/(x^2+x+2)$  lgdogf  
A037554 10.4386 [  $(x^2+x+2)/(x-1)/(5*x-1)/(x^2+x+1)$  ogf]  
A037554 9.04913  $-( -11+10*x^5-2*x-x^2+38*x^3+14*x^4)/(5*x-1)/(x-1)/(x^2+x+1)/(x^2+x+2)$  lgdogf  
A037555 9.28185 [  $(x^2+x+2)/(x-1)/(6*x-1)/(x^2+x+1)$  ogf]  
A037556 7.63847  $-( -15-2*x+54*x^3+x^2+20*x^4+14*x^5)/(7*x-1)/(x-1)/(x^2+x+1)/$

$(x^2+x+2)$  lgdogf  
A037556 8.83333 [  $(x^2+x+2)/(x-1)/(7x-1)/(x^2+x+1)$  ogf]  
A037557 6.92060  $-(-17-2x+16x^5+23x^4+62x^3+2x^2)/(8x-1)/(x-1)/(x^2+x+1)/$   
 $(x^2+x+2)$  lgdogf  
A037557 8.24466 [  $(x^2+x+2)/(x-1)/(8x-1)/(x^2+x+1)$  ogf]  
A037558 6.29602  $-(-19-2x+18x^5+26x^4+70x^3+3x^2)/(9x-1)/(-1+x)/(x^2+x+1)/$   
 $(x^2+x+2)$  lgdogf  
A037558 7.61715 [  $(x^2+x+2)/(x-1)/(9x-1)/(x^2+x+1)$  ogf]  
A037559 5.73508  $-(-21-2x+20x^5+29x^4+78x^3+4x^2)/(10x-1)/(-1+x)/(1+x^2+x)/$   
 $(2+x^2+x)$  lgdogf  
A037559 6.82144 [  $(x^2+x+2)/(10x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037560 10.2899 [  $(x^2+2x+2)/(3x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037560 8.53897  $-(-8-2x-3x^2+20x^3+17x^4+6x^5)/(x-1)/(-1+3x)/(x^2+x+1)/$   
 $(x^2+2x+2)$  lgdogf  
A037561 10.3317 [  $(x^2+2x+2)/(4x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037561 8.57905  $-(-10-2x+23x^4+28x^3+8x^5-2x^2)/(x-1)/(4x-1)/(x^2+x+1)/$   
 $(2+2x+x^2)$  lgdogf  
A037562 10.4386 [  $(x^2+2x+2)/(x-1)/(5x-1)/(x^2+x+1)$  ogf]  
A037562 8.79423  $-(-12+10x^5-2x-x^2+36x^3+29x^4)/(5x-1)/(x-1)/(x^2+x+1)/$   
 $(x^2+2x+2)$  lgdogf  
A037563 9.28185 [  $(x^2+2x+2)/(x-1)/(6x-1)/(x^2+x+1)$  ogf]  
A037564 7.42331  $-(-16-2x+52x^3+x^2+41x^4+14x^5)/(7x-1)/(x-1)/(x^2+x+1)/$   
 $(x^2+2x+2)$  lgdogf  
A037564 8.83333 [  $(x^2+2x+2)/(x-1)/(7x-1)/(x^2+x+1)$  ogf]  
A037565 6.73100  $-(-18-2x+16x^5+47x^4+60x^3+2x^2)/(8x-1)/(x-1)/(x^2+x+1)/$   
 $(x^2+2x+2)$  lgdogf  
A037565 8.24466 [  $(x^2+2x+2)/(x-1)/(8x-1)/(x^2+x+1)$  ogf]  
A037566 6.12586  $-(-20-2x+18x^5+53x^4+68x^3+3x^2)/(9x-1)/(-1+x)/(x^2+x+1)/$   
 $(x^2+2x+2)$  lgdogf  
A037566 7.61715 [  $(x^2+2x+2)/(x-1)/(9x-1)/(x^2+x+1)$  ogf]  
A037567 5.58215  $-(-22-2x+20x^5+59x^4+76x^3+4x^2)/(10x-1)/(-1+x)/(1+x^2+x)/$   
 $(x^2+2+2x)$  lgdogf  
A037567 6.82144 [  $(x^2+2x+2)/(10x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037568 10.2371 [  $(2x^2+x+2)/(3x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037568 9.40903  $-(-7-4x+22x^3+7x^4+12x^5)/(3x-1)/(x-1)/(x^2+x+1)/(2x$   
 $+2x^2)$  lgdogf  
A037569 10.2289 [  $(2x^2+x+2)/(4x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037569 8.37562  $-(-9-4x+2x^2+30x^3+10x^4+16x^5)/(-1+4x)/(x-1)/(x^2+x+1)/$   
 $(2x^2+x+2)$  lgdogf  
A037570 10.4386 [  $(2x^2+x+2)/(x-1)/(5x-1)/(x^2+x+1)$  ogf]  
A037570 8.55329  $-(-11+20x^5-4x+4x^2+38x^3+13x^4)/(5x-1)/(x-1)/(x^2+x+1)/$   
 $(2x^2+x+2)$  lgdogf  
A037571 9.28185 [  $(2x^2+x+2)/(x-1)/(6x-1)/(x^2+x+1)$  ogf]  
A037572 7.21993  $-(-15-4x+54x^3+8x^2+19x^4+28x^5)/(7x-1)/(x-1)/(x^2+x+1)/$   
 $(2x^2+x+2)$  lgdogf  
A037572 8.83333 [  $(2x^2+x+2)/(x-1)/(7x-1)/(x^2+x+1)$  ogf]  
A037573 6.64004  $-(-17-4x+32x^5+22x^4+62x^3+10x^2)/(8x-1)/(x-1)/(x^2+x+1)/$   
 $(2x^2+x+2)$  lgdogf  
A037573 8.24466 [  $(2x^2+x+2)/(x-1)/(8x-1)/(x^2+x+1)$  ogf]  
A037574 6.04418  $-(-19-4x+36x^5+25x^4+70x^3+12x^2)/(9x-1)/(-1+x)/(x^2+x+1)/$   
 $(2x^2+x+2)$  lgdogf  
A037574 7.61715 [  $(2x^2+x+2)/(x-1)/(9x-1)/(x^2+x+1)$  ogf]  
A037575 5.50870  $-(-21-4x+40x^5+28x^4+78x^3+14x^2)/(10x-1)/(-1+x)/$   
 $(1+x^2+x)/(2x^2+x+2)$  lgdogf  
A037575 6.82144 [  $(2x^2+x+2)/(10x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037576 11.5954 [  $(3x+1)/(x-1)/(4x-1)/(x+1)$  ogf]  
A037576 12.0403  $-(-7-2x+9x^2+24x^3)/(x-1)/(4x-1)/(3x+1)/(x+1)$  lgdogf  
A037576 5.43855 [  $\{a(n+3)-4a(n+2)-a(n+1)+4a(n), a(0) = 1, a(1) = 7, a(2) = 29\}$ ,  
ogf]  
A037577 11.8393 [  $(3x+1)/(x-1)/(5x-1)/(x+1)$  ogf]  
A037577 12.3023  $-2*(-4-x+15x^3+6x^2)/(x-1)/(3x+1)/(5x-1)/(1+x)$  lgdogf

A037577 5.55293 [ $\{a(n+3)-5a(n+2)-a(n+1)+5a(n), a(0) = 1, a(1) = 8, a(2) = 41\}$ ,  
ogf]  
A037578 11.5462 [  $(3*x+1)/(x-1)/(6*x-1)/(x+1)$  ogf]  
A037578 11.7602  $-(-9-2*x+36*x^3+15*x^2)/(x-1)/(6*x-1)/(3*x+1)/(x+1)$  lgdogf  
A037578 5.41548 [ $\{a(n+3)-6a(n+2)-a(n+1)+6a(n), a(0) = 1, a(1) = 9, a(2) = 55\}$ ,  
ogf]  
A037579 13.7055 [  $(3*x+1)/(x-1)/(7*x-1)/(x+1)$  ogf]  
A037579 14.2806  $-2*(-5-x+21*x^3+9*x^2)/(x-1)/(3*x+1)/(7*x-1)/(x+1)$  lgdogf  
A037579 6.37188 [ $\{a(n+3)-7a(n+2)-a(n+1)+7a(n), a(0) = 1, a(1) = 10, a(2) =$   
 $71\}$ , ogf]  
A037580 13.0397 [  $(3*x+1)/(x-1)/(8*x-1)/(x+1)$  ogf]  
A037580 13.0563  $-(-11-2*x+48*x^3+21*x^2)/(x-1)/(8*x-1)/(3*x+1)/(x+1)$  lgdogf  
A037580 6.06233 [ $\{a(n+3)-8a(n+2)-a(n+1)+8a(n), a(0) = 1, a(1) = 11, a(2) =$   
 $89\}$ , ogf]  
A037581 13.6142 [  $(3*x+1)/(x-1)/(9*x-1)/(x+1)$  ogf]  
A037581 13.6418  $-2*(-6-x+27*x^3+12*x^2)/(-1+x)/(9*x-1)/(1+3*x)/(x+1)$  lgdogf  
A037581 6.27436 [ $\{a(n+3)-9a(n+2)-a(n+1)+9a(n), a(0) = 1, a(1) = 12, a(2) =$   
 $109\}$ , ogf]  
A037582 12.6910 [  $(3*x+1)/(x-1)/(10*x-1)/(x+1)$  ogf]  
A037582 5.96585 [ $\{a(n+3)-10a(n+2)-a(n+1)+10a(n), a(0) = 1, a(1) = 13, a(2) =$   
 $131\}$ , ogf]  
A037582 7.75298  $-(-13-2*x+60*x^3+27*x^2)/(-1+x)/(1+3*x)/(10*x-1)/(x+1)$  lgdogf  
A037583 11.8912 [  $(x+3)/(x-1)/(4*x-1)/(x+1)$  ogf]  
A037583 12.6059  $-(-13-6*x+8*x^3+35*x^2)/(x-1)/(4*x-1)/(x+3)/(x+1)$  lgdogf  
A037583 5.52836 [ $\{-a(n+3)+4a(n+2)+a(n+1)-4a(n), a(0) = 3, a(1) = 13, a(2) =$   
 $55\}$ , ogf]  
A037584 11.0866 [  $(x+3)/(x-1)/(5*x-1)/(x+1)$  ogf]  
A037584 11.2826  $-2*(-8-3*x+22*x^2+5*x^3)/(-1+x)/(x+3)/(5*x-1)/(x+1)$  lgdogf  
A037584 5.15432 [ $\{-a(n+3)+5a(n+2)+a(n+1)-5a(n), a(0) = 3, a(1) = 16, a(2) =$   
 $83\}$ , ogf]  
A037585 10.7959 [  $(x+3)/(x-1)/(6*x-1)/(x+1)$  ogf]  
A037585 11.2040  $-(-19-6*x+53*x^2+12*x^3)/(x-1)/(6*x-1)/(x+3)/(x+1)$  lgdogf  
A037585 4.97551 [ $\{-a(n+3)+6a(n+2)+a(n+1)-6a(n), a(0) = 3, a(1) = 19, a(2) =$   
 $117\}$ , ogf]  
A037586 10.3055  $-2*(-11-3*x+7*x^3+31*x^2)/(x-1)/(x+3)/(-1+7*x)/(1+x)$  lgdogf  
A037586 10.3333 [  $(x+3)/(x-1)/(7*x-1)/(x+1)$  ogf]  
A037586 4.76231 [ $\{-a(n+3)+7a(n+2)+a(n+1)-7a(n), a(0) = 3, a(1) = 22, a(2) =$   
 $157\}$ , ogf]  
A037587 4.47379 [ $\{-a(n+3)+8a(n+2)+a(n+1)-8a(n), a(0) = 3, a(1) = 25, a(2) =$   
 $203\}$ , ogf]  
A037587 9.70728 [  $(x+3)/(x-1)/(8*x-1)/(x+1)$  ogf]  
A037587 9.86126  $-(-25-6*x+16*x^3+71*x^2)/(x-1)/(-1+8*x)/(x+3)/(x+1)$  lgdogf  
A037588 4.11431 [ $\{-a(n+3)+9a(n+2)+a(n+1)-9a(n), a(0) = 3, a(1) = 28, a(2) =$   
 $255\}$ , ogf]  
A037588 8.92728 [  $(x+3)/(x-1)/(9*x-1)/(x+1)$  ogf]  
A037588 9.05516  $-2*(-14-3*x+9*x^3+40*x^2)/(x-1)/(9*x-1)/(x+3)/(x+1)$  lgdogf  
A037589 3.67309 [ $\{-a(n+3)+10a(n+2)+a(n+1)-10a(n), a(0) = 3, a(1) = 31, a(2) =$   
 $313\}$ , ogf]  
A037589 7.81365 [  $(x+3)/(x-1)/(10*x-1)/(x+1)$  ogf]  
A037589 8.05117  $-(-31-6*x+20*x^3+89*x^2)/(-1+x)/(10*x-1)/(3+x)/(x+1)$  lgdogf  
A037590 11.5413 [  $(3*x^2+1)/(4*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A037590 9.21634  $-(-4-6*x+24*x^5+9*x^2+16*x^3-3*x^4)/(x-1)/(-1+4*x)/(x^2+x+1)/$   
 $(3*x^2+1)$  lgdogf  
A037591 10.7915 [  $(3*x^2+1)/(x-1)/(5*x-1)/(x^2+x+1)$  ogf]  
A037591 8.61075  $-(-5-6*x+12*x^2+20*x^3-3*x^4+30*x^5)/(x-1)/(5*x-1)/(x^2+x+1)/$   
 $(3*x^2+1)$  lgdogf  
A037592 10.6291 [  $(3*x^2+1)/(x-1)/(6*x-1)/(x^2+x+1)$  ogf]  
A037592 8.73061  $-3*(-2-2*x+5*x^2+8*x^3-x^4+12*x^5)/(x-1)/(6*x-1)/(x^2+x+1)/$   
 $(3*x^2+1)$  lgdogf  
A037593 7.27697  $-(-7-6*x+42*x^5-3*x^4+28*x^3+18*x^2)/(x-1)/(7*x-1)/(x^2+x+1)/$   
 $(3*x^2+1)$  lgdogf

A037593 9.14326 [ (3\*x^2+1)/(x-1)/(7\*x-1)/(x^2+x+1) ogf]  
A037594 6.77172 -(-8-6\*x-3\*x^4+32\*x^3+48\*x^5+21\*x^2)/(x-1)/(8\*x-1)/(x^2+x+1)/  
(3\*x^2+1) lgdogf  
A037594 8.51898 [ (3\*x^2+1)/(x-1)/(8\*x-1)/(x^2+x+1) ogf]  
A037595 6.10537 -3\*(2\*x-1)\*(9\*x^4+4\*x^3+8\*x^2+8\*x+3)/(-1+x)/(9\*x-1)/(x^2+x+1)/  
(1+3\*x^2) lgdogf  
A037595 7.80375 [ (3\*x^2+1)/(x-1)/(9\*x-1)/(x^2+x+1) ogf]  
A037596 5.73508 -(-10-6\*x+60\*x^5-3\*x^4+40\*x^3+27\*x^2)/(10\*x-1)/(-1+x)/(1+x^2+x)/  
(1+3\*x^2) lgdogf  
A037596 7.28392 [ (3\*x^2+1)/(10\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037597 10.5617 -(-7-3\*x^2+10\*x^3+36\*x^4)/(3\*x+1)/(4\*x-1)/(x-1)/(x^2+x+1) lgdogf  
A037597 11.5954 [ (3\*x+1)/(4\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037598 10.7373 -(-8+45\*x^4+14\*x^3-3\*x^2)/(5\*x-1)/(3\*x+1)/(x-1)/(x^2+x+1) lgdogf  
A037598 11.7809 [ (3\*x+1)/(x-1)/(5\*x-1)/(x^2+x+1) ogf]  
A037599 10.7102 -3\*(-3+18\*x^4+6\*x^3-x^2)/(3\*x+1)/(6\*x-1)/(x-1)/(x^2+x+1) lgdogf  
A037599 11.5462 [ (3\*x+1)/(x-1)/(6\*x-1)/(x^2+x+1) ogf]  
A037600 8.88409 -(-10+63\*x^4+22\*x^3-3\*x^2)/(7\*x-1)/(3\*x+1)/(x-1)/(x^2+x+1)  
lgdogf  
A037600 9.94443 [ (3\*x+1)/(x-1)/(7\*x-1)/(x^2+x+1) ogf]  
A037601 8.27244 -(-11+72\*x^4+26\*x^3-3\*x^2)/(3\*x+1)/(8\*x-1)/(x-1)/(x^2+x+1)  
lgdogf  
A037601 9.27100 [ (3\*x+1)/(x-1)/(8\*x-1)/(x^2+x+1) ogf]  
A037602 7.57151 -3\*(-4+27\*x^4+10\*x^3-x^2)/(1+3\*x)/(9\*x-1)/(-1+x)/(x^2+x+1)  
lgdogf  
A037602 8.49962 [ (3\*x+1)/(x-1)/(9\*x-1)/(x^2+x+1) ogf]  
A037603 6.97768 -(-13+90\*x^4+34\*x^3-3\*x^2)/(10\*x-1)/(1+3\*x)/(-1+x)/(1+x^2+x)  
lgdogf  
A037603 7.81365 [ (3\*x+1)/(10\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037604 10.0747 [ (3\*x^2+2\*x+1)/(4\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037604 8.24677 -3\*(-2-2\*x+3\*x^2+4\*x^3+7\*x^4+8\*x^5)/(4\*x-1)/(x-1)/(x^2+x+1)/  
(3\*x^2+2\*x+1) lgdogf  
A037605 10.1852 [ (3\*x^2+2\*x+1)/(x-1)/(5\*x-1)/(x^2+x+1) ogf]  
A037605 8.11913 -(-7-6\*x+27\*x^4+16\*x^3+30\*x^5+12\*x^2)/(5\*x-1)/(x-1)/(x^2+x+1)/  
(3\*x^2+2\*x+1) lgdogf  
A037606 10.0320 [ (3\*x^2+2\*x+1)/(x-1)/(6\*x-1)/(x^2+x+1) ogf]  
A037606 7.99694 -(-8-6\*x+33\*x^4+20\*x^3+36\*x^5+15\*x^2)/(6\*x-1)/(x-1)/(x^2+x+1)/  
(3\*x^2+2\*x+1) lgdogf  
A037607 6.83110 -3\*(-3-2\*x+14\*x^5+13\*x^4+8\*x^3+6\*x^2)/(7\*x-1)/(x-1)/(x^2+x+1)/  
(3\*x^2+2\*x+1) lgdogf  
A037607 8.59197 [ (3\*x^2+2\*x+1)/(x-1)/(7\*x-1)/(x^2+x+1) ogf]  
A037608 11.3296 [ (3\*x^2+2\*x+1)/(x-1)/(8\*x-1)/(x^2+x+1) ogf]  
A037608 6.31318 -(-10-6\*x+48\*x^5+45\*x^4+28\*x^3+21\*x^2)/(8\*x-1)/(x-1)/(x^2+x+1)/  
(3\*x^2+2\*x+1) lgdogf  
A037609 5.70321 -(-11-6\*x+54\*x^5+51\*x^4+32\*x^3+24\*x^2)/(9\*x-1)/(-1+x)/(x^2+x+1)/  
(3\*x^2+2\*x+1) lgdogf  
A037609 7.38492 [ (3\*x^2+2\*x+1)/(x-1)/(9\*x-1)/(x^2+x+1) ogf]  
A037610 5.36745 -3\*(-4-2\*x+20\*x^5+19\*x^4+12\*x^3+9\*x^2)/(10\*x-1)/(-1+x)/  
(1+x^2+x)/(3\*x^2+2\*x+1) lgdogf  
A037610 6.82144 [ (3\*x^2+2\*x+1)/(10\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037611 10.0747 [ (x+1)\*(2\*x+1)/(4\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037611 8.13533 -(-7-4\*x+5\*x^2+10\*x^3+34\*x^4+16\*x^5)/(x-1)/(4\*x-1)/(2\*x+1)/(x  
+1)/(x^2+x+1) lgdogf  
A037612 10.2866 [ (x+1)\*(2\*x+1)/(x-1)/(5\*x-1)/(x^2+x+1) ogf]  
A037612 8.31239 -(-8-4\*x+20\*x^5+43\*x^4+14\*x^3+7\*x^2)/(x-1)/(2\*x+1)/(5\*x-1)/  
(1+x)/(x^2+x+1) lgdogf  
A037613 10.0320 [ (x+1)\*(2\*x+1)/(x-1)/(6\*x-1)/(x^2+x+1) ogf]  
A037613 8.10501 -(-9-4\*x+52\*x^4+18\*x^3+24\*x^5+9\*x^2)/(x-1)/(6\*x-1)/(2\*x+1)/(x  
+1)/(x^2+x+1) lgdogf  
A037614 6.77996 -(-10-4\*x+28\*x^5+61\*x^4+22\*x^3+11\*x^2)/(x-1)/(1+2\*x)/(7\*x-1)/(x  
+1)/(x^2+x+1) lgdogf  
A037614 8.64025 [ (x+1)\*(2\*x+1)/(x-1)/(7\*x-1)/(x^2+x+1) ogf]

A037615 11.3296 [ (x+1)\*(2\*x+1)/(x-1)/(8\*x-1)/(x^2+x+1) ogf]  
A037615 8.93326 -(-11-4\*x+32\*x^5+70\*x^4+26\*x^3+13\*x^2)/(x-1)/(1+2\*x)/(8\*x-1)/(x+1)/(x^2+x+1) lgdogf  
A037616 11.8287 [ (x+1)\*(2\*x+1)/(x-1)/(9\*x-1)/(x^2+x+1) ogf]  
A037616 9.21264 -(-12-4\*x+36\*x^5+79\*x^4+30\*x^3+15\*x^2)/(-1+x)/(9\*x-1)/(2\*x+1)/(x+1)/(x^2+x+1) lgdogf  
A037617 5.36745 -(-13-4\*x+40\*x^5+88\*x^4+34\*x^3+17\*x^2)/(-1+x)/(2\*x+1)/(10\*x-1)/(x+1)/(1+x^2+x) lgdogf  
A037617 6.82144 [ (x+1)\*(2\*x+1)/(10\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037618 10.7817 [ (3\*x^2+2)/(4\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037618 8.72484 -(-8-6\*x+6\*x^2+32\*x^3-3\*x^4+24\*x^5)/(4\*x-1)/(x-1)/(x^2+x+1)/(3\*x^2+2) lgdogf  
A037619 11.1711 [ (3\*x^2+2)/(x-1)/(5\*x-1)/(x^2+x+1) ogf]  
A037619 8.91986 -(-10+30\*x^5-6\*x+9\*x^2+40\*x^3-3\*x^4)/(5\*x-1)/(x-1)/(x^2+x+1)/(3\*x^2+2) lgdogf  
A037620 10.8962 [ (3\*x^2+2)/(x-1)/(6\*x-1)/(x^2+x+1) ogf]  
A037620 8.69863 -3\*(-4-2\*x+12\*x^5-x^4+16\*x^3+4\*x^2)/(x-1)/(-1+6\*x)/(x^2+x+1)/(3\*x^2+2) lgdogf  
A037621 7.38184 -(-14-6\*x+56\*x^3+15\*x^2-3\*x^4+42\*x^5)/(x-1)/(7\*x-1)/(x^2+x+1)/(3\*x^2+2) lgdogf  
A037621 9.40154 [ (3\*x^2+2)/(x-1)/(7\*x-1)/(x^2+x+1) ogf]  
A037622 12.3383 [ (3\*x^2+2)/(x-1)/(8\*x-1)/(x^2+x+1) ogf]  
A037622 9.73389 -(-16-6\*x+48\*x^5-3\*x^4+64\*x^3+18\*x^2)/(8\*x-1)/(x-1)/(x^2+x+1)/(3\*x^2+2) lgdogf  
A037623 6.43543 -3\*(-6-2\*x+18\*x^5-x^4+24\*x^3+7\*x^2)/(-1+x)/(9\*x-1)/(x^2+x+1)/(3\*x^2+2) lgdogf  
A037623 8.10198 [ (3\*x^2+2)/(x-1)/(9\*x-1)/(x^2+x+1) ogf]  
A037624 11.8306 [ (3\*x^2+2)/(10\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037624 5.73508 -(-20-6\*x+60\*x^5-3\*x^4+80\*x^3+24\*x^2)/(10\*x-1)/(-1+x)/(1+x^2+x)/(2+3\*x^2) lgdogf  
A037625 10.6499 -(-11+36\*x^4+26\*x^3-6\*x^2)/(x-1)/(3\*x+2)/(4\*x-1)/(x^2+x+1) lgdogf  
A037625 11.8912 [ (3\*x+2)/(4\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037626 10.8186 -(-13-6\*x^2+34\*x^3+45\*x^4)/(x-1)/(3\*x+2)/(5\*x-1)/(x^2+x+1) lgdogf  
A037626 12.0725 [ (3\*x+2)/(x-1)/(5\*x-1)/(x^2+x+1) ogf]  
A037627 10.6829 [ (3\*x+2)/(x-1)/(6\*x-1)/(x^2+x+1) ogf]  
A037628 10.1667 [ (3\*x+2)/(x-1)/(7\*x-1)/(x^2+x+1) ogf]  
A037628 9.08715 -(-17+50\*x^3-6\*x^2+63\*x^4)/(x-1)/(3\*x+2)/(7\*x-1)/(x^2+x+1) lgdogf  
A037629 8.52161 -(-19+72\*x^4+58\*x^3-6\*x^2)/(x-1)/(3\*x+2)/(8\*x-1)/(1+x^2+x) lgdogf  
A037629 9.54368 [ (3\*x+2)/(x-1)/(8\*x-1)/(x^2+x+1) ogf]  
A037630 7.60245 -3\*(-7+27\*x^4+22\*x^3-2\*x^2)/(-1+x)/(3\*x+2)/(9\*x-1)/(x^2+x+1) lgdogf  
A037630 8.82038 [ (3\*x+2)/(x-1)/(9\*x-1)/(x^2+x+1) ogf]  
A037631 6.97768 -(-23+90\*x^4+74\*x^3-6\*x^2)/(-1+x)/(3\*x+2)/(10\*x-1)/(1+x^2+x) lgdogf  
A037631 7.81365 [ (3\*x+2)/(10\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037632 10.2803 [ (3\*x^2+x+2)/(4\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037632 8.53550 -3\*(-3-2\*x+3\*x^4+10\*x^3+8\*x^5+2\*x^2)/(x-1)/(4\*x-1)/(x^2+x+1)/(3\*x^2+x+2) lgdogf  
A037633 10.4386 [ (3\*x^2+x+2)/(x-1)/(5\*x-1)/(x^2+x+1) ogf]  
A037633 8.55329 -(-11+30\*x^5-6\*x+9\*x^2+38\*x^3+12\*x^4)/(5\*x-1)/(x-1)/(x^2+x+1)/(3\*x^2+x+2) lgdogf  
A037634 9.28185 [ (3\*x^2+x+2)/(x-1)/(6\*x-1)/(x^2+x+1) ogf]  
A037635 7.21993 -3\*(-5-2\*x+18\*x^3+5\*x^2+6\*x^4+14\*x^5)/(7\*x-1)/(x-1)/(x^2+x+1)/(3\*x^2+x+2) lgdogf  
A037635 8.83333 [ (3\*x^2+x+2)/(x-1)/(7\*x-1)/(x^2+x+1) ogf]  
A037636 6.64004 -(-17-6\*x+48\*x^5+21\*x^4+62\*x^3+18\*x^2)/(8\*x-1)/(x-1)/(x^2+x+1)/(3\*x^2+x+2) lgdogf



A037636 8.24466 [ (3\*x^2+x+2)/(x-1)/(8\*x-1)/(x^2+x+1) ogf]  
A037637 6.04418 -(-19-6\*x+54\*x^5+24\*x^4+70\*x^3+21\*x^2)/(9\*x-1)/(-1+x)/(x^2+x+1)/(3\*x^2+x+2) lgdogf  
A037637 7.61715 [ (3\*x^2+x+2)/(x-1)/(9\*x-1)/(x^2+x+1) ogf]  
A037638 5.58215 -3\*(-7-2\*x+20\*x^5+9\*x^4+26\*x^3+8\*x^2)/(10\*x-1)/(-1+x)/(1+x^2+x)/(3\*x^2+x+2) lgdogf  
A037638 6.82144 [ (3\*x^2+x+2)/(10\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037639 10.3317 [ (x+2)\*(x+1)/(4\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037639 8.57905 -(-11-2\*x+35\*x^4+26\*x^3+8\*x^5-2\*x^2)/(x-1)/(4\*x-1)/(x+2)/(x+1)/(x^2+x+1) lgdogf  
A037640 8.01867 -(-13-2\*x-x^2+34\*x^3+44\*x^4+10\*x^5)/(x-1)/(5\*x-1)/(x+2)/(x+1)/(x^2+x+1) lgdogf  
A037640 9.53284 [ (x+2)\*(x+1)/(x-1)/(5\*x-1)/(x^2+x+1) ogf]  
A037641 9.28185 [ (x+2)\*(x+1)/(x-1)/(6\*x-1)/(x^2+x+1) ogf]  
A037642 7.42331 -(-17-2\*x+50\*x^3+x^2+62\*x^4+14\*x^5)/(x-1)/(7\*x-1)/(x+2)/(x+1)/(x^2+x+1) lgdogf  
A037642 8.83333 [ (x+2)\*(x+1)/(x-1)/(7\*x-1)/(x^2+x+1) ogf]  
A037643 6.77059 -(-19-2\*x+16\*x^5+71\*x^4+58\*x^3+2\*x^2)/(x-1)/(8\*x-1)/(x+2)/(x+1)/(1+x^2+x) lgdogf  
A037643 8.29205 [ (x+2)\*(x+1)/(x-1)/(8\*x-1)/(x^2+x+1) ogf]  
A037644 10.9025 [ (x+2)\*(x+1)/(x-1)/(9\*x-1)/(x^2+x+1) ogf]  
A037644 8.82526 -(-21-2\*x+18\*x^5+80\*x^4+66\*x^3+3\*x^2)/(-1+x)/(9\*x-1)/(2+x)/(x+1)/(x^2+x+1) lgdogf  
A037645 5.58215 -(-23-2\*x+20\*x^5+89\*x^4+74\*x^3+4\*x^2)/(-1+x)/(10\*x-1)/(2+x)/(x+1)/(1+x^2+x) lgdogf  
A037645 6.82144 [ (x+2)\*(x+1)/(10\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037646 11.0567 [ (x^2+3)/(4\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037646 9.50295 -(-12-2\*x-x^4+48\*x^3+8\*x^5-5\*x^2)/(x-1)/(4\*x-1)/(x^2+x+1)/(x^2+3) lgdogf  
A037647 10.2018 [ (x^2+3)/(x-1)/(5\*x-1)/(x^2+x+1) ogf]  
A037647 8.62614 -(-15-2\*x-4\*x^2+60\*x^3-x^4+10\*x^5)/(5\*x-1)/(x-1)/(x^2+x+1)/(x^2+3) lgdogf  
A037648 10.0383 [ (x^2+3)/(x-1)/(6\*x-1)/(x^2+x+1) ogf]  
A037648 8.48790 -(-18-2\*x-3\*x^2+72\*x^3-x^4+12\*x^5)/(6\*x-1)/(x-1)/(x^2+x+1)/(x^2+3) lgdogf  
A037649 7.99833 -(-21-2\*x+14\*x^5+84\*x^3-x^4-2\*x^2)/(x-1)/(-1+7\*x)/(x^2+x+1)/(x^2+3) lgdogf  
A037649 9.60818 [ (x^2+3)/(x-1)/(7\*x-1)/(x^2+x+1) ogf]  
A037650 7.69283 -(-24-2\*x+16\*x^5-x^4+96\*x^3-x^2)/(x-1)/(-1+8\*x)/(x^2+x+1)/(3+x^2) lgdogf  
A037650 8.97535 [ (x^2+3)/(x-1)/(8\*x-1)/(x^2+x+1) ogf]  
A037651 7.57071 -(-27-2\*x+18\*x^5-x^4+108\*x^3)/(9\*x-1)/(x-1)/(x^2+x+1)/(x^2+3) lgdogf  
A037651 8.30081 [ (x^2+3)/(x-1)/(9\*x-1)/(x^2+x+1) ogf]  
A037652 6.24867 -(-30-2\*x+20\*x^5-x^4+120\*x^3+x^2)/(10\*x-1)/(-1+x)/(1+x^2+x)/(x^2+3) lgdogf  
A037652 7.28392 [ (x^2+3)/(10\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037653 11.0567 [ (2\*x^2+3)/(4\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037653 9.08370 -(-12-4\*x-2\*x^4+48\*x^3+16\*x^5-x^2)/(x-1)/(4\*x-1)/(x^2+x+1)/(2\*x^2+3) lgdogf  
A037654 10.2018 [ (2\*x^2+3)/(x-1)/(5\*x-1)/(x^2+x+1) ogf]  
A037654 8.37243 -(-15-4\*x+x^2+60\*x^3-2\*x^4+20\*x^5)/(5\*x-1)/(x-1)/(x^2+x+1)/(2\*x^2+3) lgdogf  
A037655 10.0383 [ (2\*x^2+3)/(x-1)/(6\*x-1)/(x^2+x+1) ogf]  
A037655 8.00288 -(-18-4\*x+3\*x^2+72\*x^3-2\*x^4+24\*x^5)/(6\*x-1)/(x-1)/(x^2+x+1)/(2\*x^2+3) lgdogf  
A037656 7.54772 -(-21-4\*x+28\*x^5+84\*x^3-2\*x^4+5\*x^2)/(x-1)/(-1+7\*x)/(x^2+x+1)/(2\*x^2+3) lgdogf  
A037656 9.60818 [ (2\*x^2+3)/(x-1)/(7\*x-1)/(x^2+x+1) ogf]  
A037657 7.04273 -(-24-4\*x+32\*x^5-2\*x^4+96\*x^3+7\*x^2)/(x-1)/(-1+8\*x)/(x^2+x+1)/(2\*x^2+3) lgdogf

A037657 8.97535 [ (2\*x^2+3)/(x-1)/(8\*x-1)/(x^2+x+1) ogf]  
A037658 6.50441 -(-27-4\*x+36\*x^5-2\*x^4+108\*x^3+9\*x^2)/(9\*x-1)/(x-1)/(x^2+x+1)/  
(2\*x^2+3) lgdogf  
A037658 8.30081 [ (2\*x^2+3)/(x-1)/(9\*x-1)/(x^2+x+1) ogf]  
A037659 5.65758 -(-30-4\*x+40\*x^5-2\*x^4+120\*x^3+11\*x^2)/(10\*x-1)/(-1+x)/  
(1+x^2+x)/(2\*x^2+3) lgdogf  
A037659 7.28392 [ (2\*x^2+3)/(10\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037660 11.0302 -(-13+12\*x^4+46\*x^3-9\*x^2)/(x+3)/(x-1)/(4\*x-1)/(x^2+x+1) lgdogf  
A037660 11.8912 [ (x+3)/(4\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037661 10.2209 -(-16-9\*x^2+58\*x^3+15\*x^4)/(x-1)/(x+3)/(5\*x-1)/(x^2+x+1) lgdogf  
A037661 11.0292 [ (x+3)/(x-1)/(5\*x-1)/(x^2+x+1) ogf]  
A037662 10.0036 -(-19-9\*x^2+70\*x^3+18\*x^4)/(x+3)/(6\*x-1)/(x-1)/(x^2+x+1) lgdogf  
A037662 10.7959 [ (x+3)/(x-1)/(6\*x-1)/(x^2+x+1) ogf]  
A037663 10.3333 [ (x+3)/(x-1)/(7\*x-1)/(x^2+x+1) ogf]  
A037663 9.40155 -(-22+82\*x^3+21\*x^4-9\*x^2)/(-1+7\*x)/(x+3)/(x-1)/(x^2+x+1) lgdogf  
A037664 8.82323 -(-25+24\*x^4+94\*x^3-9\*x^2)/(x+3)/(-1+8\*x)/(x-1)/(x^2+x+1) lgdogf  
A037664 9.70728 [ (x+3)/(x-1)/(8\*x-1)/(x^2+x+1) ogf]  
A037665 12.6612 [ (x+3)/(x-1)/(9\*x-1)/(x^2+x+1) ogf]  
A037665 8.10199 -(-28+27\*x^4+106\*x^3-9\*x^2)/(x+3)/(9\*x-1)/(x-1)/(x^2+x+1) lgdogf  
A037666 7.09595 -(-31+30\*x^4+118\*x^3-9\*x^2)/(3+x)/(10\*x-1)/(-1+x)/(1+x^2+x)  
lgdogf  
A037666 7.81365 [ (x+3)/(10\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037667 10.6499 -(-14+24\*x^4+44\*x^3-9\*x^2)/(x-1)/(4\*x-1)/(2\*x+3)/(x^2+x+1)  
lgdogf  
A037667 11.8912 [ (2\*x+3)/(4\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037668 11.0866 [ (2\*x+3)/(x-1)/(5\*x-1)/(x^2+x+1) ogf]  
A037668 9.75278 -(-17-9\*x^2+56\*x^3+30\*x^4)/(-1+x)/(2\*x+3)/(5\*x-1)/(x^2+x+1)  
lgdogf  
A037669 10.7959 [ (2\*x+3)/(x-1)/(6\*x-1)/(x^2+x+1) ogf]  
A037669 9.65865 -(-20-9\*x^2+68\*x^3+36\*x^4)/(x-1)/(6\*x-1)/(2\*x+3)/(x^2+x+1)  
lgdogf  
A037670 10.3333 [ (2\*x+3)/(x-1)/(7\*x-1)/(x^2+x+1) ogf]  
A037670 9.08285 -(-23+80\*x^3+42\*x^4-9\*x^2)/(x-1)/(2\*x+3)/(-1+7\*x)/(x^2+x+1)  
lgdogf  
A037671 12.1525 [ (2\*x+3)/(x-1)/(8\*x-1)/(x^2+x+1) ogf]  
A037671 8.52414 -(-26+48\*x^4+92\*x^3-9\*x^2)/(x-1)/(2\*x+3)/(-1+8\*x)/(x^2+x+1)  
lgdogf  
A037672 7.87536 -(-29+54\*x^4+104\*x^3-9\*x^2)/(x-1)/(2\*x+3)/(9\*x-1)/(x^2+x+1)  
lgdogf  
A037672 8.98074 [ (2\*x+3)/(x-1)/(9\*x-1)/(x^2+x+1) ogf]  
A037673 6.86330 -(-32+60\*x^4+116\*x^3-9\*x^2)/(-1+x)/(2\*x+3)/(10\*x-1)/(1+x^2+x)  
lgdogf  
A037673 7.81365 [ (2\*x+3)/(10\*x-1)/(x-1)/(x^2+x+1) ogf]  
A037674 9.08654 -(-4+4\*x+24\*x^5-5\*x^2+26\*x^3-27\*x^4)/(x-1)/(-1+4\*x)/(x^2+1)/  
(3\*x^2-x+1) lgdogf  
A037674 9.53414 [ (3\*x^2-x+1)/(4\*x-1)/(x-1)/(x^2+1) ogf]  
A037675 8.61075 -(-5+6\*x-6\*x^2+32\*x^3-33\*x^4+30\*x^5)/(x-1)/(5\*x-1)/(x^2+1)/  
(3\*x^2-x+1) lgdogf  
A037675 8.91474 [ (3\*x^2-x+1)/(x-1)/(5\*x-1)/(x^2+1) ogf]  
A037676 8.48116 -(-6+8\*x-7\*x^2+38\*x^3-39\*x^4+36\*x^5)/(x-1)/(6\*x-1)/(x^2+1)/  
(3\*x^2-x+1) lgdogf  
A037676 8.78057 [ (3\*x^2-x+1)/(6\*x-1)/(x-1)/(x^2+1) ogf]  
A037677 7.17448 -(2\*x-1)\*(21\*x^4-12\*x^3+16\*x^2+4\*x+7)/(x-1)/(7\*x-1)/(1+x^2)/  
(3\*x^2-x+1) lgdogf  
A037677 7.55313 [ (3\*x^2-x+1)/(x-1)/(7\*x-1)/(x^2+1) ogf]  
A037678 9.47660 -(-8+12\*x-51\*x^4+50\*x^3+48\*x^5-9\*x^2)/(x-1)/(8\*x-1)/(x^2+1)/  
(3\*x^2-x+1) lgdogf  
A037678 9.92778 [ (3\*x^2-x+1)/(8\*x-1)/(x-1)/(x^2+1) ogf]  
A037679 5.93810 -(-9+14\*x+54\*x^5-57\*x^4+56\*x^3-10\*x^2)/(-1+x)/(9\*x-1)/(1+x^2)/  
(3\*x^2-x+1) lgdogf  
A037679 6.17797 [ (3\*x^2-x+1)/(9\*x-1)/(x-1)/(x^2+1) ogf]

A037680 5.58215  $-( -10+16*x+60*x^5-63*x^4+62*x^3-11*x^2)/(10*x-1)/(-1+x)/(1+x^2)/(3*x^2-x+1)$  lgdogf  
A037680 5.88700  $[(3*x^2-x+1)/(10*x-1)/(x-1)/(x^2+1)]$  ogf]  
A037681 10.1209  $[(2*x^3+3*x^2+1)/(x-1)/(4*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037681 6.86324  $-2*(-2-3*x+17*x^6-3*x^5+3*x^2+6*x^3+10*x^4+8*x^7)/(x-1)/(-1+4*x)/(x+1)/(x^2+1)/(1+3*x^2+2*x^3)$  lgdogf  
A037682 6.48121  $-( -5-6*x+20*x^7+9*x^2+16*x^3+25*x^4-6*x^5+43*x^6)/(x-1)/(5*x-1)/(x+1)/(x^2+1)/(2*x^3+3*x^2+1)$  lgdogf  
A037682 9.46334  $[(2*x^3+3*x^2+1)/(x-1)/(5*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037683 6.24928  $-2*(-3-3*x+12*x^7+6*x^2+10*x^3+15*x^4-3*x^5+26*x^6)/(x-1)/(6*x-1)/(x+1)/(x^2+1)/(2*x^3+3*x^2+1)$  lgdogf  
A037683 9.32091  $[(2*x^3+3*x^2+1)/(x-1)/(6*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037684 5.41902  $-( -7-6*x+61*x^6-6*x^5+28*x^7+35*x^4+24*x^3+15*x^2)/(x-1)/(7*x-1)/(x+1)/(1+x^2)/(2*x^3+3*x^2+1)$  lgdogf  
A037684 8.01794  $[(2*x^3+3*x^2+1)/(x-1)/(7*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037685 7.47049  $[(2*x^3+3*x^2+1)/(x-1)/(8*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037686 6.84329  $[(2*x^3+3*x^2+1)/(x-1)/(9*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037687 6.41419  $[(2*x^3+3*x^2+1)/(x-1)/(10*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037688 10.0233  $[(3*x^3+2*x+1)/(x-1)/(4*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037688 6.80544  $-( -6+24*x^7-9*x^2+20*x^3+14*x^4+32*x^5-3*x^6)/(x-1)/(-1+4*x)/(x+1)/(x^2+1)/(3*x^3+2*x+1)$  lgdogf  
A037689 10.1852  $[(3*x^3+2*x+1)/(x-1)/(5*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037689 6.99925  $-( -7-3*x^6+19*x^4+26*x^3+30*x^7+40*x^5-9*x^2)/(x-1)/(5*x-1)/(x+1)/(x^2+1)/(3*x^3+2*x+1)$  lgdogf  
A037690 10.0320  $[(3*x^3+2*x+1)/(x-1)/(6*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037690 6.89391  $-( -8-3*x^6+24*x^4+32*x^3+36*x^7+48*x^5-9*x^2)/(x-1)/(6*x-1)/(x+1)/(x^2+1)/(3*x^3+2*x+1)$  lgdogf  
A037691 11.8574  $[(3*x^3+2*x+1)/(x-1)/(7*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037691 5.88888  $-( -9-3*x^6+56*x^5+42*x^7+29*x^4+38*x^3-9*x^2)/(x-1)/(7*x-1)/(x+1)/(1+x^2)/(3*x^3+2*x+1)$  lgdogf  
A037692 10.1658  $[(3*x^3+2*x+1)/(x-1)/(8*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037692 5.45229  $-( -10-3*x^6+64*x^5+48*x^7+34*x^4+44*x^3-9*x^2)/(x-1)/(8*x-1)/(x+1)/(x^2+1)/(3*x^3+2*x+1)$  lgdogf  
A037693 7.33848  $[(3*x^3+2*x+1)/(x-1)/(9*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037694 11.0794  $[(3*x^3+2*x+1)/(x-1)/(10*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037695 10.0747  $[(3*x^2+2*x+1)/(x-1)/(4*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037695 7.08252  $-2*(-3-3*x+6*x^2-2*x^3+7*x^4+13*x^5+18*x^6)/(x-1)/(4*x-1)/(x+1)/(x^2+1)/(3*x^2+2*x+1)$  lgdogf  
A037696 10.1852  $[(3*x^2+2*x+1)/(x-1)/(5*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037696 7.16394  $-( -7-6*x+45*x^6+19*x^4-4*x^3+34*x^5+15*x^2)/(x-1)/(5*x-1)/(x+1)/(x^2+1)/(3*x^2+2*x+1)$  lgdogf  
A037697 10.0320  $[(3*x^2+2*x+1)/(x-1)/(6*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037697 6.97407  $-2*(-4-3*x+27*x^6+12*x^4-2*x^3+21*x^5+9*x^2)/(x-1)/(6*x-1)/(x+1)/(x^2+1)/(3*x^2+2*x+1)$  lgdogf  
A037698 6.02744  $-( -9-6*x+63*x^6+50*x^5+29*x^4-4*x^3+21*x^2)/(x-1)/(7*x-1)/(x+1)/(1+x^2)/(3*x^2+2*x+1)$  lgdogf  
A037698 8.59197  $[(3*x^2+2*x+1)/(x-1)/(7*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037699 5.51496  $-2*(-5-3*x+36*x^6+29*x^5+17*x^4-2*x^3+12*x^2)/(x-1)/(8*x-1)/(x+1)/(x^2+1)/(3*x^2+2*x+1)$  lgdogf  
A037699 8.05513  $[(3*x^2+2*x+1)/(x-1)/(8*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037700 5.04767  $-( -11-6*x+81*x^6+66*x^5+39*x^4-4*x^3+27*x^2)/(-1+x)/(9*x-1)/(x+1)/(1+x^2)/(3*x^2+2*x+1)$  lgdogf  
A037700 7.38492  $[(3*x^2+2*x+1)/(x-1)/(9*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037701 11.0794  $[(3*x^2+2*x+1)/(x-1)/(10*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037702 10.0747  $[(2*x^3+3*x+1)/(x-1)/(4*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037702 6.91970  $-( -7+16*x^7-6*x^2+12*x^3+11*x^4+48*x^5-2*x^6)/(x-1)/(4*x-1)/(x+1)/(2*x^3+3*x+1)/(x^2+1)$  lgdogf  
A037703 10.2359  $[(2*x^3+3*x+1)/(x-1)/(5*x-1)/(x+1)/(x^2+1)]$  ogf]  
A037703 7.20030  $-2*(-4+10*x^7-x^6+30*x^5+8*x^4+8*x^3-3*x^2)/(x-1)/(5*x-1)/(1+x)/(2*x^3+3*x+1)/(1+x^2)$  lgdogf  
A037704 10.0320  $[(2*x^3+3*x+1)/(x-1)/(6*x-1)/(x+1)/(x^2+1)]$  ogf]

A037704 6.89391  $-( -9-2*x^6+21*x^4+20*x^3+24*x^7+72*x^5-6*x^2)/(x-1)/(6*x-1)/(x+1)/(2*x^3+3*x+1)/(x^2+1)$  lgdogf  
A037705 11.9081  $[(2*x^3+3*x+1)/(x-1)/(7*x-1)/(x+1)/(x^2+1)$  ogf]  
A037705 5.92272  $-2*(-5-x^6+42*x^5+14*x^7+13*x^4+12*x^3-3*x^2)/(x-1)/(7*x-1)/(x+1)/(2*x^3+3*x+1)/(1+x^2)$  lgdogf  
A037706 12.5669  $[(2*x^3+3*x+1)/(x-1)/(8*x-1)/(x+1)/(x^2+1)$  ogf]  
A037706 8.43011  $-( -11-2*x^6+96*x^5+32*x^7+31*x^4+28*x^3-6*x^2)/(x-1)/(8*x-1)/(x+1)/(2*x^3+3*x+1)/(x^2+1)$  lgdogf  
A037707 7.38492  $[(2*x^3+3*x+1)/(x-1)/(9*x-1)/(x+1)/(x^2+1)$  ogf]  
A037708 6.82144  $[(2*x^3+3*x+1)/(x-1)/(10*x-1)/(x+1)/(x^2+1)$  ogf]  
A037709 10.0747  $[(2*x+1)/(4*x-1)/(x-1)/(x^2+1)$  ogf]  
A037709 10.2036  $-( -7+10*x-5*x^2-4*x^3+24*x^4)/(2*x+1)/(4*x-1)/(x-1)/(x^2+1)$  lgdogf  
A037710 10.2519  $-2*(-4+6*x+15*x^4-2*x^3-3*x^2)/(5*x-1)/(2*x+1)/(x-1)/(1+x^2)$  lgdogf  
A037710 10.2866  $[(2*x+1)/(x-1)/(5*x-1)/(x^2+1)$  ogf]  
A037711 10.0320  $[(2*x+1)/(6*x-1)/(x-1)/(x^2+1)$  ogf]  
A037711 10.1656  $-( -9+14*x+36*x^4-4*x^3-7*x^2)/(2*x+1)/(6*x-1)/(x-1)/(x^2+1)$  lgdogf  
A037712 11.9081  $[(2*x+1)/(x-1)/(7*x-1)/(x^2+1)$  ogf]  
A037712 8.58795  $-2*(-5+8*x+21*x^4-2*x^3-4*x^2)/(7*x-1)/(1+2*x)/(x-1)/(1+x^2)$  lgdogf  
A037713 7.99669  $-( -11+18*x+48*x^4-4*x^3-9*x^2)/(8*x-1)/(1+2*x)/(x-1)/(x^2+1)$  lgdogf  
A037713 8.05513  $[(2*x+1)/(8*x-1)/(x-1)/(x^2+1)$  ogf]  
A037714 10.1106  $[(2*x+1)/(9*x-1)/(x-1)/(x^2+1)$  ogf]  
A037714 10.2435  $-2*(-6+10*x+27*x^4-2*x^3-5*x^2)/(2*x+1)/(9*x-1)/(-1+x)/(1+x^2)$  lgdogf  
A037715 6.61155  $[(2*x+1)/(10*x-1)/(x-1)/(x^2+1)$  ogf]  
A037715 6.64541  $-( -13+22*x+60*x^4-4*x^3-11*x^2)/(10*x-1)/(2*x+1)/(-1+x)/(1+x^2)$  lgdogf  
A037716 8.13533  $-( -8+14*x-25*x^2+52*x^3-39*x^4+24*x^5)/(4*x-1)/(x-1)/(x^2+1)/(3*x^2-2*x+2)$  lgdogf  
A037716 8.90661  $[(3*x^2-2*x+2)/(4*x-1)/(x-1)/(x^2+1)$  ogf]  
A037717 8.28399  $-2*(-5+9*x+15*x^5-24*x^4+32*x^3-15*x^2)/(x-1)/(5*x-1)/(1+x^2)/(3*x^2-2*x+2)$  lgdogf  
A037717 9.18352  $[(3*x^2-2*x+2)/(x-1)/(5*x-1)/(x^2+1)$  ogf]  
A037718 8.01189  $-( -12+22*x+36*x^5-57*x^4+76*x^3-35*x^2)/(x-1)/(-1+6*x)/(1+x^2)/(3*x^2-2*x+2)$  lgdogf  
A037718 9.00119  $[(3*x^2-2*x+2)/(6*x-1)/(x-1)/(x^2+1)$  ogf]  
A037719 10.6619  $[(3*x^2-2*x+2)/(x-1)/(7*x-1)/(x^2+1)$  ogf]  
A037720 6.46530  $-( -16+30*x+48*x^5-75*x^4+100*x^3-45*x^2)/(8*x-1)/(x-1)/(1+x^2)/(3*x^2-2*x+2)$  lgdogf  
A037720 7.28875  $[(3*x^2-2*x+2)/(8*x-1)/(x-1)/(x^2+1)$  ogf]  
A037721 5.85039  $-2*(-9+17*x+27*x^5-42*x^4+56*x^3-25*x^2)/(-1+x)/(9*x-1)/(x^2+1)/(3*x^2-2*x+2)$  lgdogf  
A037721 6.41407  $[(3*x^2-2*x+2)/(9*x-1)/(x-1)/(x^2+1)$  ogf]  
A037722 5.36745  $-( -20+38*x+60*x^5-93*x^4+124*x^3-55*x^2)/(10*x-1)/(-1+x)/(1+x^2)/(3*x^2-2*x+2)$  lgdogf  
A037722 5.88700  $[(3*x^2-2*x+2)/(10*x-1)/(x-1)/(x^2+1)$  ogf]  
A037723 7.25318  $-( -8-6*x+8*x^7+9*x^2+40*x^4-6*x^5+35*x^6)/(x-1)/(4*x-1)/(x+1)/(2+3*x^2+x^3)/(x^2+1)$  lgdogf  
A037723 9.45471  $[(x^3+3*x^2+2)/(x-1)/(4*x-1)/(x+1)/(x^2+1)$  ogf]  
A037724 7.01562  $-2*(-5+5*x^7-3*x^5-3*x+22*x^6+6*x^2+x^3+25*x^4)/(x-1)/(5*x-1)/(x+1)/(x^3+3*x^2+2)/(1+x^2)$  lgdogf  
A037724 9.79622  $[(x^3+3*x^2+2)/(x-1)/(5*x-1)/(x+1)/(x^2+1)$  ogf]  
A037725 6.54735  $-( -12-6*x+12*x^7+53*x^6-6*x^5+60*x^4+4*x^3+15*x^2)/(x-1)/(-1+6*x)/(1+x)/(2+3*x^2+x^3)/(1+x^2)$  lgdogf  
A037725 9.55511  $[(x^3+3*x^2+2)/(x-1)/(6*x-1)/(x+1)/(x^2+1)$  ogf]  
A037726 11.3655  $[(x^3+3*x^2+2)/(x-1)/(7*x-1)/(x+1)/(x^2+1)$  ogf]  
A037726 5.75945  $-2*(-7-3*x+3*x^3+9*x^2+35*x^4-3*x^5+31*x^6+7*x^7)/(x-1)/(7*x-1)/$

$(x+1)/(x^3+3x^2+2)/(x^2+1)$  lgdogf  
A037727 7.73729 [  $(x^3+3x^2+2)/(x-1)/(8x-1)/(x+1)/(x^2+1)$  ogf]  
A037728 7.10482 [  $(x^3+3x^2+2)/(x-1)/(9x-1)/(x+1)/(x^2+1)$  ogf]  
A037729 6.41419 [  $(x^3+3x^2+2)/(x-1)/(10x-1)/(x+1)/(x^2+1)$  ogf]  
A037730 10.1261 [  $(3x^3+x+2)/(x-1)/(4x-1)/(x+1)/(x^2+1)$  ogf]  
A037730 7.03662  $-( -9+24x^7-9x^2+16x^3+37x^4+16x^5-3x^6)/(x-1)/(-1+4x)/(x+1)/(3x^3+x+2)/(x^2+1)$  lgdogf  
A037731 10.4386 [  $(3x^3+x+2)/(x-1)/(5x-1)/(x+1)/(x^2+1)$  ogf]  
A037731 7.26035  $-( -11+30x^7+20x^5-3x^6-9x^2+22x^3+47x^4)/(x-1)/(5x-1)/(x+1)/(3x^3+x+2)/(1+x^2)$  lgdogf  
A037732 9.28185 [  $(3x^3+x+2)/(x-1)/(6x-1)/(x+1)/(x^2+1)$  ogf]  
A037733 6.12854  $-( -15+34x^3-9x^2+67x^4+28x^5-3x^6+42x^7)/(x-1)/(7x-1)/(x+1)/(3x^3+x+2)/(1+x^2)$  lgdogf  
A037733 8.83333 [  $(3x^3+x+2)/(x-1)/(7x-1)/(x+1)/(x^2+1)$  ogf]  
A037734 5.71352  $-( -17-3x^6+32x^5+48x^7+77x^4+40x^3-9x^2)/(x-1)/(8x-1)/(x+1)/(3x^3+x+2)/(1+x^2)$  lgdogf  
A037734 8.24466 [  $(3x^3+x+2)/(x-1)/(8x-1)/(x+1)/(x^2+1)$  ogf]  
A037735 7.61715 [  $(3x^3+x+2)/(x-1)/(9x-1)/(x+1)/(x^2+1)$  ogf]  
A037736 6.82144 [  $(3x^3+x+2)/(x-1)/(10x-1)/(x+1)/(x^2+1)$  ogf]  
A037737 10.2803 [  $(3x^2+x+2)/(x-1)/(4x-1)/(x+1)/(x^2+1)$  ogf]  
A037737 7.40429  $-( -9-6x+37x^4-8x^3+36x^6+10x^5+12x^2)/(x-1)/(4x-1)/(x+1)/(x^2+1)/(3x^2+x+2)$  lgdogf  
A037738 10.4386 [  $(3x^2+x+2)/(x-1)/(5x-1)/(x+1)/(x^2+1)$  ogf]  
A037738 7.43322  $-( -11+14x^5-6x+45x^6+15x^2-8x^3+47x^4)/(x-1)/(5x-1)/(x+1)/(1+x^2)/(3x^2+x+2)$  lgdogf  
A037739 9.28185 [  $(3x^2+x+2)/(x-1)/(6x-1)/(x+1)/(x^2+1)$  ogf]  
A037740 6.27446  $-( -15-6x-8x^3+21x^2+67x^4+22x^5+63x^6)/(x-1)/(7x-1)/(x+1)/(1+x^2)/(3x^2+x+2)$  lgdogf  
A037740 8.83333 [  $(3x^2+x+2)/(x-1)/(7x-1)/(x+1)/(x^2+1)$  ogf]  
A037741 5.84956  $-( -17-6x+72x^6+26x^5+77x^4-8x^3+24x^2)/(x-1)/(8x-1)/(x+1)/(1+x^2)/(3x^2+x+2)$  lgdogf  
A037741 8.24466 [  $(3x^2+x+2)/(x-1)/(8x-1)/(x+1)/(x^2+1)$  ogf]  
A037742 5.33310  $-( -19-6x+81x^6+30x^5+87x^4-8x^3+27x^2)/(-1+x)/(9x-1)/(x+1)/(1+x^2)/(3x^2+x+2)$  lgdogf  
A037742 7.61715 [  $(3x^2+x+2)/(x-1)/(9x-1)/(x+1)/(x^2+1)$  ogf]  
A037743 11.0794 [  $(3x^2+x+2)/(x-1)/(10x-1)/(x+1)/(x^2+1)$  ogf]  
A037744 10.3317 [  $(x^3+3x+2)/(x-1)/(4x-1)/(x+1)/(x^2+1)$  ogf]  
A037744 8.12752  $-( -11-x^6+31x^4+8x^7+48x^5-3x^2)/(x-1)/(4x-1)/(x+1)/(x^2+1)/(x^3+3x+2)$  lgdogf  
A037745 10.4893 [  $(x^3+3x+2)/(x-1)/(5x-1)/(x+1)/(x^2+1)$  ogf]  
A037745 7.56001  $-( -13-x^6+60x^5-3x^2+2x^3+41x^4+10x^7)/(x-1)/(5x-1)/(x+1)/(x^2+1)/(x^3+3x+2)$  lgdogf  
A037746 9.28185 [  $(x^3+3x+2)/(x-1)/(6x-1)/(x+1)/(x^2+1)$  ogf]  
A037747 6.35006  $-( -17+6x^3-3x^2+61x^4+84x^5-x^6+14x^7)/(x-1)/(7x-1)/(x+1)/(1+x^2)/(x^3+3x+2)$  lgdogf  
A037747 8.83333 [  $(x^3+3x+2)/(x-1)/(7x-1)/(x+1)/(x^2+1)$  ogf]  
A037748 5.95486  $-( -19-x^6+96x^5+16x^7+71x^4+8x^3-3x^2)/(x-1)/(8x-1)/(x+1)/(1+x^2)/(x^3+3x+2)$  lgdogf  
A037748 8.29205 [  $(x^3+3x+2)/(x-1)/(8x-1)/(x+1)/(x^2+1)$  ogf]  
A037749 7.66361 [  $(x^3+3x+2)/(x-1)/(9x-1)/(x+1)/(x^2+1)$  ogf]  
A037750 6.82144 [  $(x^3+3x+2)/(x-1)/(10x-1)/(x+1)/(x^2+1)$  ogf]  
A037751 10.2949  $-( -11+20x+12x^4+22x^3-25x^2)/(x+2)/(x-1)/(4x-1)/(x^2+1)$  lgdogf  
A037751 10.3317 [  $(x+2)/(4x-1)/(x-1)/(x^2+1)$  ogf]  
A037752 9.48875  $-( -13+24x-30x^2+28x^3+15x^4)/(x+2)/(5x-1)/(x-1)/(1+x^2)$  lgdogf  
A037752 9.53284 [  $(x+2)/(x-1)/(5x-1)/(x^2+1)$  ogf]  
A037753 9.28185 [  $(x+2)/(6x-1)/(x-1)/(x^2+1)$  ogf]  
A037754 9.83598  $-( -17+32x+21x^4+40x^3-40x^2)/(x-1)/(7x-1)/(x+2)/(x^2+1)$  lgdogf  
A037754 9.87118 [  $(x+2)/(x-1)/(7x-1)/(x^2+1)$  ogf]

A037755 8.23755  $-( -19+36*x+24*x^4+46*x^3-45*x^2)/(x+2)/(8*x-1)/(x-1)/(1+x^2)$   
lgdogf  
A037755 8.29205 [  $(x+2)/(8*x-1)/(x-1)/(x^2+1)$  ogf ]  
A037756 7.30438 [  $(x+2)/(9*x-1)/(x-1)/(x^2+1)$  ogf ]  
A037756 7.47782  $-( -21+40*x+27*x^4+52*x^3-50*x^2)/(2+x)/(9*x-1)/(-1+x)/(x^2+1)$   
lgdogf  
A037757 10.7385 [  $(x+2)/(10*x-1)/(x-1)/(x^2+1)$  ogf ]  
A037757 6.75260  $-( -23+44*x+30*x^4+58*x^3-55*x^2)/(2+x)/(10*x-1)/(-1+x)/(1+x^2)$   
lgdogf  
A037758 7.35347  $-2*(-6-x+5*x^6+30*x^4+2*x^3+8*x^7-x^5-x^2)/(x-1)/(4*x-1)/(x+1)/$   
 $(2*x^3+x^2+3)/(x^2+1)$  lgdogf  
A037758 9.69589 [  $(2*x^3+x^2+3)/(x-1)/(4*x-1)/(x+1)/(x^2+1)$  ogf ]  
A037759 6.39691  $-( -15-2*x+13*x^6+20*x^7-x^2+8*x^3+75*x^4-2*x^5)/(x-1)/(5*x-1)/(x$   
 $+1)/(2*x^3+x^2+3)/(1+x^2)$  lgdogf  
A037759 8.94620 [  $(2*x^3+x^2+3)/(x-1)/(5*x-1)/(x+1)/(x^2+1)$  ogf ]  
A037760 6.91607  $-2*(-9-x+8*x^6+12*x^7+6*x^3+45*x^4-x^5)/(x-1)/(6*x-1)/(x+1)/$   
 $(2*x^3+x^2+3)/(1+x^2)$  lgdogf  
A037760 8.80283 [  $(2*x^3+x^2+3)/(x-1)/(6*x-1)/(x+1)/(x^2+1)$  ogf ]  
A037761 5.82487  $-( -21-2*x+19*x^6-2*x^5+16*x^3+28*x^7+105*x^4+x^2)/(x-1)/$   
 $(-1+7*x)/(1+x)/(2*x^3+x^2+3)/(1+x^2)$  lgdogf  
A037761 8.42563 [  $(2*x^3+x^2+3)/(x-1)/(7*x-1)/(x+1)/(x^2+1)$  ogf ]  
A037762 7.87069 [  $(2*x^3+x^2+3)/(x-1)/(8*x-1)/(x+1)/(x^2+1)$  ogf ]  
A037763 7.27917 [  $(2*x^3+x^2+3)/(x-1)/(9*x-1)/(x+1)/(x^2+1)$  ogf ]  
A037764 6.41419 [  $(2*x^3+x^2+3)/(x-1)/(10*x-1)/(x+1)/(x^2+1)$  ogf ]  
A037765 6.86324  $-( -12-4*x+23*x^6+60*x^4-4*x^3+8*x^7-4*x^5+5*x^2)/(x-1)/(4*x-1)/$   
 $(x+1)/(x^2+1)/(3+2*x^2+x^3)$  lgdogf  
A037765 9.69589 [  $(x^3+2*x^2+3)/(x-1)/(4*x-1)/(x+1)/(x^2+1)$  ogf ]  
A037766 6.25632  $-( -15-4*x+29*x^6+10*x^7+7*x^2-2*x^3+75*x^4-4*x^5)/(x-1)/(5*x-1)/$   
 $(x+1)/(1+x^2)/(x^3+2*x^2+3)$  lgdogf  
A037766 8.94620 [  $(x^3+2*x^2+3)/(x-1)/(5*x-1)/(x+1)/(x^2+1)$  ogf ]  
A037767 6.59061  $-( -18-4*x+35*x^6+12*x^7+9*x^2+90*x^4-4*x^5)/(x-1)/(6*x-1)/(x+1)/$   
 $(1+x^2)/(x^3+2*x^2+3)$  lgdogf  
A037767 8.80283 [  $(x^3+2*x^2+3)/(x-1)/(6*x-1)/(x+1)/(x^2+1)$  ogf ]  
A037768 5.70094  $-( -21-4*x+41*x^6-4*x^5+2*x^3+14*x^7+105*x^4+11*x^2)/(x-1)/$   
 $(-1+7*x)/(1+x)/(1+x^2)/(x^3+2*x^2+3)$  lgdogf  
A037768 8.42563 [  $(x^3+2*x^2+3)/(x-1)/(7*x-1)/(x+1)/(x^2+1)$  ogf ]  
A037769 7.87069 [  $(x^3+2*x^2+3)/(x-1)/(8*x-1)/(x+1)/(x^2+1)$  ogf ]  
A037770 7.27917 [  $(x^3+2*x^2+3)/(x-1)/(9*x-1)/(x+1)/(x^2+1)$  ogf ]  
A037771 6.41419 [  $(x^3+2*x^2+3)/(x-1)/(10*x-1)/(x+1)/(x^2+1)$  ogf ]  
A037772 8.23589  $-( -13+26*x-34*x^4+68*x^3+16*x^5-45*x^2)/(x-1)/(4*x-1)/(x^2+1)/$   
 $(2*x^2-2*x+3)$  lgdogf  
A037772 9.13381 [  $(2*x^2-2*x+3)/(4*x-1)/(x-1)/(x^2+1)$  ogf ]  
A037773 7.53118  $-2*(-8+16*x-27*x^2+42*x^3-21*x^4+10*x^5)/(x-1)/(5*x-1)/(1+x^2)/$   
 $(2*x^2-2*x+3)$  lgdogf  
A037773 8.47171 [  $(2*x^2-2*x+3)/(x-1)/(5*x-1)/(x^2+1)$  ogf ]  
A037774 7.37107  $-( -19+38*x-63*x^2+100*x^3-50*x^4+24*x^5)/(6*x-1)/(x-1)/(1+x^2)/$   
 $(2*x^2-2*x+3)$  lgdogf  
A037774 8.29252 [  $(2*x^2-2*x+3)/(6*x-1)/(x-1)/(x^2+1)$  ogf ]  
A037775 6.87036  $-2*(-11+22*x+14*x^5+58*x^3-29*x^4-36*x^2)/(x-1)/(-1+7*x)/$   
 $(1+x^2)/(2*x^2-2*x+3)$  lgdogf  
A037775 7.93719 [  $(2*x^2-2*x+3)/(x-1)/(7*x-1)/(x^2+1)$  ogf ]  
A037776 6.53149  $-( -25+50*x+32*x^5-66*x^4+132*x^3-81*x^2)/(-1+8*x)/(x-1)/(1+x^2)/$   
 $(2*x^2-2*x+3)$  lgdogf  
A037776 7.45632 [  $(2*x^2-2*x+3)/(8*x-1)/(x-1)/(x^2+1)$  ogf ]  
A037777 5.99757  $-2*(-14+28*x+18*x^5-37*x^4+74*x^3-45*x^2)/(x-1)/(9*x-1)/(x^2+1)/$   
 $(2*x^2-2*x+3)$  lgdogf  
A037777 6.57147 [  $(2*x^2-2*x+3)/(9*x-1)/(x-1)/(x^2+1)$  ogf ]  
A037778 8.79516  $-( -31+62*x+40*x^5-82*x^4+164*x^3-99*x^2)/(10*x-1)/(-1+x)/$   
 $(1+x^2)/(3-2*x+2*x^2)$  lgdogf  
A037778 9.56171 [  $(2*x^2-2*x+3)/(10*x-1)/(x-1)/(x^2+1)$  ogf ]  
A037779 10.3317 [  $(2*x^2+x+3)/(x-1)/(4*x-1)/(x+1)/(x^2+1)$  ogf ]

A037779 7.35347  $-( -13-4*x+24*x^6+57*x^4-12*x^3+12*x^5+8*x^2)/(x-1)/(4*x-1)/(x+1)/(x^2+1)/(2*x^2+x+3)$  lgdogf  
A037780 6.85017  $-2*(-8-2*x+5*x^2-6*x^3+36*x^4+8*x^5+15*x^6)/(-1+x)/(5*x-1)/(x+1)/(x^2+1)/(2*x^2+x+3)$  lgdogf  
A037780 9.63266  $[(2*x^2+x+3)/(x-1)/(5*x-1)/(x+1)/(x^2+1)$  ogf]  
A037781 6.59061  $-( -19-4*x+36*x^6+12*x^2-12*x^3+87*x^4+20*x^5)/(x-1)/(6*x-1)/(x+1)/(1+x^2)/(2*x^2+x+3)$  lgdogf  
A037781 9.38007  $[(2*x^2+x+3)/(x-1)/(6*x-1)/(x+1)/(x^2+1)$  ogf]  
A037782 6.23126  $-2*(-11-2*x+21*x^6+12*x^5-6*x^3+51*x^4+7*x^2)/(x-1)/(-1+7*x)/(1+x)/(1+x^2)/(2*x^2+x+3)$  lgdogf  
A037782 8.97813  $[(2*x^2+x+3)/(x-1)/(7*x-1)/(x+1)/(x^2+1)$  ogf]  
A037783 5.78074  $-( -25-4*x+48*x^6+28*x^5+117*x^4-12*x^3+16*x^2)/(x-1)/(-1+8*x)/(x+1)/(1+x^2)/(2*x^2+x+3)$  lgdogf  
A037783 8.43420  $[(2*x^2+x+3)/(x-1)/(8*x-1)/(x+1)/(x^2+1)$  ogf]  
A037784 5.43310  $-2*(-14-2*x+27*x^6+16*x^5+66*x^4-6*x^3+9*x^2)/(x-1)/(9*x-1)/(x+1)/(x^2+1)/(2*x^2+x+3)$  lgdogf  
A037784 7.75649  $[(2*x^2+x+3)/(x-1)/(9*x-1)/(x+1)/(x^2+1)$  ogf]  
A037785 6.82144  $[(2*x^2+x+3)/(x-1)/(10*x-1)/(x+1)/(x^2+1)$  ogf]  
A037786 8.82416  $-( -14+28*x-17*x^4+58*x^3+8*x^5-45*x^2)/(x-1)/(4*x-1)/(x^2+1)/(x^2-x+3)$  lgdogf  
A037786 9.13381  $[(x^2-x+3)/(4*x-1)/(x-1)/(x^2+1)$  ogf]  
A037787 7.99186  $-( -17+34*x-54*x^2+72*x^3-21*x^4+10*x^5)/(5*x-1)/(-1+x)/(x^2+1)/(x^2-x+3)$  lgdogf  
A037787 8.51583  $[(x^2-x+3)/(x-1)/(5*x-1)/(x^2+1)$  ogf]  
A037788 7.89016  $-( -20+40*x-63*x^2+86*x^3-25*x^4+12*x^5)/(6*x-1)/(x-1)/(1+x^2)/(x^2-x+3)$  lgdogf  
A037788 8.29252  $[(x^2-x+3)/(6*x-1)/(x-1)/(x^2+1)$  ogf]  
A037789 7.34093  $-( -23+46*x+14*x^5+100*x^3-29*x^4-72*x^2)/(x-1)/(-1+7*x)/(1+x^2)/(x^2-x+3)$  lgdogf  
A037789 7.93719  $[(x^2-x+3)/(x-1)/(7*x-1)/(x^2+1)$  ogf]  
A037790 6.88938  $-( -26+52*x+16*x^5-33*x^4+114*x^3-81*x^2)/(x-1)/(-1+8*x)/(x-1)/(1+x^2)/(x^2-x+3)$  lgdogf  
A037790 7.45632  $[(x^2-x+3)/(8*x-1)/(x-1)/(x^2+1)$  ogf]  
A037791 6.45342  $-( -29+58*x-37*x^4+128*x^3+18*x^5-90*x^2)/(x-1)/(9*x-1)/(x^2+1)/(3-x+x^2)$  lgdogf  
A037791 6.61082  $[(x^2-x+3)/(9*x-1)/(x-1)/(x^2+1)$  ogf]  
A037792 5.65758  $-( -32+64*x+20*x^5-41*x^4+142*x^3-99*x^2)/(10*x-1)/(-1+x)/(1+x^2)/(3-x+x^2)$  lgdogf  
A037792 5.88700  $[(x^2-x+3)/(10*x-1)/(x-1)/(x^2+1)$  ogf]  
A037793 10.3317  $[(x^2+2*x+3)/(x-1)/(4*x-1)/(x+1)/(x^2+1)$  ogf]  
A037793 7.62582  $-2*(-7-x+6*x^6+27*x^4-6*x^3+15*x^5+2*x^2)/(x-1)/(4*x-1)/(x+1)/(x^2+1)/(3+2*x+x^2)$  lgdogf  
A037794 6.76958  $-( -17-2*x+5*x^2-12*x^3+69*x^4+38*x^5+15*x^6)/(-1+x)/(5*x-1)/(x+1)/(x^2+1)/(x^2+2*x+3)$  lgdogf  
A037794 9.63266  $[(x^2+2*x+3)/(x-1)/(5*x-1)/(x+1)/(x^2+1)$  ogf]  
A037795 6.83173  $-2*(-10-x+9*x^6+3*x^2-6*x^3+42*x^4+23*x^5)/(x-1)/(6*x-1)/(x+1)/(1+x^2)/(x^2+2*x+3)$  lgdogf  
A037795 9.38007  $[(x^2+2*x+3)/(x-1)/(6*x-1)/(x+1)/(x^2+1)$  ogf]  
A037796 6.30457  $-( -23-2*x+21*x^6+54*x^5-12*x^3+99*x^4+7*x^2)/(x-1)/(-1+7*x)/(1+x)/(1+x^2)/(x^2+2*x+3)$  lgdogf  
A037796 8.97813  $[(x^2+2*x+3)/(x-1)/(7*x-1)/(x+1)/(x^2+1)$  ogf]  
A037797 5.98720  $-2*(-13-x+12*x^6+31*x^5+57*x^4-6*x^3+4*x^2)/(x-1)/(-1+8*x)/(x+1)/(1+x^2)/(3+2*x+x^2)$  lgdogf  
A037797 8.43420  $[(x^2+2*x+3)/(x-1)/(8*x-1)/(x+1)/(x^2+1)$  ogf]  
A037798 5.46643  $-( -29+27*x^6-2*x+129*x^4-12*x^3+70*x^5+9*x^2)/(x-1)/(9*x-1)/(x+1)/(x^2+1)/(x^2+2*x+3)$  lgdogf  
A037798 7.80293  $[(x^2+2*x+3)/(x-1)/(9*x-1)/(x+1)/(x^2+1)$  ogf]  
A037799 6.82144  $[(x^2+2*x+3)/(x-1)/(10*x-1)/(x+1)/(x^2+1)$  ogf]  
A037824 12.2642  $[(x^8/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^3+1)/(x-1)^2)$  ogf]  
A037825 11.2495  $[x^9/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/$

$(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A037833 7.96121 [  $-x^9*(x^{11}-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A037860 8.35679 [  $-x^9/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x^4-x^3+x^2-x+1)^2/(x-1)^3$  ogf]  
A037878 8.35679 [  $-x^9/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x^4-x^3+x^2-x+1)^2/(x-1)^3$  ogf]  
A037913 10.4606  $-x*(2+11*x^9+9*x^{11})/(x-1)/(1+x^2)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A037913 9.61724 [  $-x^9*(x^2+1)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A037915 12.6262  $-(1+3*x+4*x^5+2*x^6+7*x^3+2*x^4+5*x^2)/(x-1)/(x+1)/(x^2+1)/(x^3+x^2+1)$  lgdogf  
A037915 13.8615 [  $(x^3+x^2+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A037951 9.31418  $-1/2*(32*x^2+2*x-7+7*(-(2*x-1)*(1+2*x))^{(1/2)})/x/(1+2*x)/(2*x-1)$  lgdogf  
A037952 4.46535 [  $\{(4*n^2+20*n+24)*a(n+1)+(6+2*n)*a(n+2)+(-n^2-7*n-10)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
A037953 8.66435  $-1/2*(48*x^2+2*x-11+11*(-(2*x-1)*(2*x+1))^{(1/2)})/x/(2*x+1)/(2*x-1)$  lgdogf  
A037955 3.67452 [  $\{(4*n^2+20*n+24)*a(n+1)+(6+2*n)*a(n+2)+(-n^2-7*n-6)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A037957 9.05914  $-1/2*(56*x^2+2*x-13+13*(-(2*x-1)*(1+2*x))^{(1/2)})/x/(1+2*x)/(2*x-1)$  lgdogf  
A037958 8.63532  $-1/2*(72*x^2+2*x-17+17*(-(2*x-1)*(2*x+1))^{(1/2)})/x/(2*x+1)/(2*x-1)$  lgdogf  
A037959 9.49079  $-5*(6+26*x+3*x^3+21*x^2)/(x-1)/(3*x^3+16*x^2+14*x+2)$  lgdegf  
A037960 10.2296 [  $-x*(2*x+1)/(x-1)^5$  egf]  
A037960 23.6485  $-(7+8*x)/(1+2*x)/(x-1)$  lgdegf  
A037960 4.51305 [  $\{(4*n^2+24*n+32)*a(n+1)+(3*n^2+23*n+62)*a(n+2)+(-6-3*n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 14\}$ , ogf]  
A037961 2.99987 [  $\{(8*n^2+64*n+120)*a(n+1)+(n^2+3*n+32)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 30\}$ , ogf]  
A037961 5.04929 [  $-x*(6*x^2+8*x+1)/(x-1)^7$  egf]  
A037962 8.46630  $-(31+292*x+144*x^3+478*x^2)/(x-1)/(24*x^3+58*x^2+22*x+1)$  lgdegf  
A037963 6.96894  $-21*(3+56*x+204*x^2+192*x^3+40*x^4)/(x-1)/(120*x^4+444*x^3+328*x^2+52*x+1)$  lgdegf  
A037965 22.5755  $-4*(x-1)/(-1+4*x)/(2*x-1)$  lgdogf  
A037965 3.82530 [  $\{(-2-n)*a(n+3)+(10+6*n)*a(n+2)+(-4-8*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A037966 14.2923  $-4*(2-x+2*x^2)/(4*x-1)/(4*x^2-2*x+1)$  lgdogf  
A037972 10.0057  $-12*(-1+2*x^3-2*x^2)/(4*x-1)/(12*x^3-10*x^2+2*x-1)$  lgdogf  
A038033 2.91557 [  $\{(n^2+11*n+30)*a(n+1)+(n^2+9*n+18)*a(n+2)+(-n-3)*a(n+3), a(0) = 6, a(1) = 24, a(2) = 180\}$ , ogf]  
A038035 18.9564  $2*x*(-1+x)/(-2+x^2)$  revegf  
A038112 3.47446 [  $\{(27*n^2+108*n+105)*a(n+1)+(22*n^2+99*n+110)*a(n+2)+(-5*n^2-25*n-30)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 9\}$ , ogf]  
A038121 4.79778 [  $\{(-2*n^2-19*n-45)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 28\}$ , ogf]  
A038121 9.83009  $-7*(8+60*x+60*x^2+5*x^3)/(-1+2*x)/(5*x^3+45*x^2+30*x+2)$  lgdegf  
A038122 4.74994 [  $(4*x^{15}+60*x^{14}+12*x^{13}+8*x^{12}-60*x^{11}-12*x^{10}-8*x^9+60*x^8+12*x^7+7*x^6-63*x^5-12*x^4-15*x^3-3*x-1)/(x-1)/(x^2+1)/(x^2+x+1)/(x^4-x^2+1)$  ogf]  
A038123 13.7464  $-(9+19*x+10*x^4+20*x^3+26*x^2)/(x-1)/(x^2+x+1)/(5*x^2+5*x+4)$  lgdogf  
A038123 13.7861 [  $(5*x^2+5*x+4)/(x^2+x+1)/(x-1)^2$  ogf]  
A038123 4.88927 [  $\{(-14*n-55)*a(n+1)-14*a(n+2)-14*a(n+3)+(14*n+41)*a(n+4), a(0) = 4, a(1) = 9, a(2) = 14, a(3) = 18\}$ , ogf]  
A038126 15.6140 [  $x*(3*x+2)/(x+1)/(x-1)^2$  ogf]  
A038126 25.8095  $-(5+9*x+6*x^2)/(x-1)/(3*x+2)/(1+x)$  lgdogf  
A038126 8.01802 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 2, a(2) = 5\}$ , ogf]



A038127 10.6795 [  $x^*(x+1)*(x^2+x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A038127 11.8065  $-(5+9*x+16*x^2+12*x^3+5*x^4+x^5)/(-1+x)/(x+1)/(x^2+x+1)/(x^2+x+2)$  lgdogf  
A038127 5.02970 [  $\{(4*n+7)*a(n)+4*a(n+1)+4*a(n+2)+(-4*n-3)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 5, a(3) = 7\}$ , ogf]  
A038130 7.97403 [  $x*(x^7+6*x^6+6*x^5+6*x^4+7*x^3+6*x^2+6*x+6)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A038138 12.0523 [  $-x*(2*x^5+6*x^4+3*x^3+6*x^2+3*x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A038139 11.3480 [  $-(2*x^7+3*x^6+6*x^4+3*x^3+6*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A038152 6.59377 [  $(x^7+23*x^6+23*x^5+23*x^4+23*x^3+23*x^2+23*x+23)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A038154 4.14652 [  $\{(-n^2-5*n-6)*a(n+1)+(n^2+5*n+6)*a(n+2)+(-1-n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A038154 56.1539  $(-2+x)/(x-1)$  lgdegf  
A038155 3.97688 [  $\{(-n^2-5*n-6)*a(n+1)+(n^2+5*n+6)*a(n+2)+(-1-n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A038155 58.7298  $(x-2)/(x-1)$  lgdegf  
A038156 4.24028 [  $\{(n^2+3*n+2)*a(n)+(-n^2-4*n-4)*a(n+1)+(n+1)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A038157 3.76224 [  $\{(n^2+5*n+6)*a(n+1)+(-n^2-5*n-6)*a(n+2)+(n+1)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$ , ogf]  
A038158 3.69158 [  $\{(n^2+5*n+6)*a(n+1)+(-n^2-5*n-6)*a(n+2)+(n+1)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 3\}$ , ogf]  
A038163 10.0693 [  $1/(x+1)^3/(x-1)^6$  ogf]  
A038163 15.7905 [  $-(-9*x-3)/(-x^2+1)$  lgdogf]  
A038163 30.9195  $-3*(3*x+1)/(x-1)/(x+1)$  lgdogf  
A038163 32.8422 [  $[3+3*x]$  ogf\_with\_Euler\_transform]  
A038163 5.14652 [  $\{(n+3)*a(n+3)-3*a(n+2)+(-10-n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A038164 15.2809 [  $-(-12*x-4)/(-x^2+1)$  lgdogf]  
A038164 30.6152  $-4*(1+3*x)/(x-1)/(x+1)$  lgdogf  
A038164 32.4676 [  $[4+4*x]$  ogf\_with\_Euler\_transform]  
A038164 5.05618 [  $\{(n+3)*a(n+3)-4*a(n+2)+(-13-n)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 14\}$ , ogf]  
A038164 5.68298 [  $1/(x+1)^4/(x-1)^8$  ogf]  
A038165 15.4803 [  $-(-15*x-5)/(-x^2+1)$  lgdogf]  
A038165 31.0341  $-5*(1+3*x)/(x-1)/(x+1)$  lgdogf  
A038165 32.8682 [  $[5+5*x]$  ogf\_with\_Euler\_transform]  
A038165 4.61334 [  $1/(x+1)^5/(x-1)^{10}$  ogf]  
A038165 5.12216 [  $\{(n+3)*a(n+3)-5*a(n+2)+(-16-n)*a(n+1), a(0) = 1, a(1) = 5, a(2) = 20\}$ , ogf]  
A038166 15.0409 [  $-(-18*x-6)/(-x^2+1)$  lgdogf]  
A038166 30.1470  $-6*(3*x+1)/(x-1)/(x+1)$  lgdogf  
A038166 31.9092 [  $[6+6*x]$  ogf\_with\_Euler\_transform]  
A038166 4.97676 [  $\{(n+3)*a(n+3)-6*a(n+2)+(-19-n)*a(n+1), a(0) = 1, a(1) = 6, a(2) = 27\}$ , ogf]  
A038167 8.44881  $-(3+9*x+7*x^2+18*x^3+20*x^4+25*x^5+31*x^6)/(x-1)/(x+1)/(x^2+3*x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A038167 9.18727 [  $-x*(x^2+3*x+1)/(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A038179 11.1293  $(-3-7*x+2*x^5-2*x^4-9*x^3-5*x^2)/(x-1)/(x+1)/(2*x^4+x^3+x+2)$  lgdogf  
A038179 4.71424 [  $\{-a(n+5)+a(n+4)+a(n+3)-a(n+2), a(0) = 2, a(1) = 3, a(2) = 5, a(3) = 7, a(4) = 11\}$ , ogf]  
A038179 9.90674 [  $(2*x^4+x^3+x+2)/(x+1)/(x-1)^2$  ogf]  
A038196 10.1607  $-(1+2*x-5*x^6+3*x^4+4*x^3+4*x^7-8*x^5+2*x^2)/(x^2-x-1)/(x^6-x^4-2*x^2+1)$  lgdogf  
A038196 11.4835 [  $-(x^2-x-1)/(x^6-x^4-2*x^2+1)$  ogf]  
A038197 6.27622 [  $-(x^5-2*x^4+2*x^3-x^2-1)/(x^2-x+1)/(x^9-3*x^3+1)$  ogf]  
A038201 5.61254 [  $-(x^{12}-x^{11}-x^8+x^7-x^5-2*x^4+x^3+x^2+x+1)/(x^{20}-$

$x^{16}-4x^{12}+3x^8+3x^4-1$  ogf]  
A038205 19.2224  $[-x^2/(x-1)$  lgdegf]  
A038205 4.04682  $[{(n^2+5n+6)*a(n+1)+(n+3)*a(n+3)-a(n+4), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 2},$  ogf]  
A038205 40.5957  $x^2+(-1+x)*f(x)$  lgdegf  
A038213 10.6219  $-(3-8*x+12*x^2-6*x^3+x^4)/(x^2-3*x+1)/(x^3-5*x^2+6*x-1)$  lgdogf  
A038213 5.27939  $[{-a(n+3)+6*a(n+2)-5*a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 14},$  ogf]  
A038213 9.77985  $[-(x^2-3*x+1)/(x^3-5*x^2+6*x-1)$  ogf]  
A038223 15.2226  $[-1/(x^3-5*x^2+6*x-1)$  ogf]  
A038223 16.2076  $-(6-10*x+3*x^2)/(-5*x^2-1+6*x+x^3)$  lgdogf  
A038223 4.98439  $[{a(n+3)-6*a(n+2)+5*a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 31},$  ogf]  
A038223 8.66517  $[-(3*x^2-10*x+6)/(x^3-5*x^2+6*x-1)$  lgdogf]  
A038225 7.14644  $-(4-20*x+x^6-10*x^5+38*x^4-68*x^3+58*x^2)/(x-1)/(x^3-5*x^2+6*x-1)/(x^3-6*x^2+9*x-1)$  lgdogf  
A038225 7.65996  $[-(x^3-5*x^2+6*x-1)/(x-1)/(x^3-6*x^2+9*x-1)$  ogf]  
A038235 12.2766  $[1/(x-1)/(x^3-6*x^2+9*x-1)$  ogf]  
A038235 12.7943  $-(10+30*x+4*x^3-21*x^2)/(x-1)/(x^3-6*x^2+9*x-1)$  lgdogf  
A038235 7.36598  $[-(4*x^3+21*x^2-30*x+10)/(-x^4+7*x^3-15*x^2+10*x-1)$  lgdogf]  
A038237 7.92506  $[(x^5+x^4-4*x^3-3*x^2+3*x+1)/(x-1)/(x+1)/(x^3-3*x+1)/(x^3-3*x-1)$  ogf]  
A038249 8.10061  $[-(x^3+x^2-2*x-1)/(x-1)/(x+1)/(x^3-3*x+1)/(x^3-3*x-1)$  ogf]  
A038261 5.60378  $[-(x-1)*(x^3-6*x^2+9*x-1)/(x^5-9*x^4+28*x^3-35*x^2+15*x-1)$  ogf]  
A038339 7.79133  $-(15-70*x+5*x^4-36*x^3+84*x^2)/(-35*x^2-1+15*x-9*x^4+28*x^3+x^5)$  lgdogf  
A038339 9.10675  $[-1/(x^5-9*x^4+28*x^3-35*x^2+15*x-1)$  ogf]  
A038340 5.18598  $[(x+1)*(x^2+x-1)*(x^4-x^3-4*x^2+4*x+1)/(x^5+x^4-4*x^3-3*x^2+3*x+1)/(x^5-x^4-4*x^3+3*x^2+3*x-1)$  ogf]  
A038341 7.06077  $[(x^3+x^2-2*x-1)/(x^5+x^4-4*x^3-3*x^2+3*x+1)/(x^5-x^4-4*x^3+3*x^2+3*x-1)$  ogf]  
A038342 11.3330  $[-1/(x^5-x^4-4*x^3+3*x^2+3*x-1)$  ogf]  
A038348 15.0077  $[-(x^3-x-1)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A038376 12.0544  $[-(21*x^2-14*x-5)/(-3*x^3-x^2+3*x+1)$  lgdogf]  
A038376 19.8304  $-(5+14*x+21*x^2)/(x-1)/(3*x+1)/(x+1)$  lgdogf  
A038376 4.01814  $[{(n^2+3n-4)*a(n+1)+(-4+2n)*a(n+2)+(-n^2+3n-2)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1, a(5) = 5},$  ogf]  
A038376 8.55475  $[-x^4*(3*x+1)/(x+1)^3/(x-1)^5$  ogf]  
A038390 12.7700  $-(2+6*x+5*x^5+14*x^4+6*x^3+15*x^2)/(x-1)/(x^2+x+1)/(x^3+2*x^2+1)$  lgdogf  
A038390 7.93190  $[(x^3+2*x^2+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A038390 8.86010  $[-(5*x^5+14*x^4+6*x^3+15*x^2+6*x+2)/(x^6+2*x^5-2*x^2-1)$  lgdogf]  
A038391 13.1820  $-(4+6*x+5*x^5+2*x^4+16*x^3+15*x^2)/(x-1)/(x^2+x+1)/(x^3+2*x+1)$  lgdogf  
A038391 8.24603  $[(x^3+2*x+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A038391 9.25388  $[-(5*x^5-2*x^4-16*x^3-15*x^2-6*x-4)/(-x^6-2*x^4+2*x+1)$  lgdogf]  
A038395 3.28898  $[-(810000000*x^6+53100000*x^5+3690000*x^4+207000*x^3+4500*x^2-170*x+1)/(x-1)/(100*x-1)^2$  ogf]  
A038396 5.42868  $[-2*(36000000*x^5+2250000*x^4+144000*x^3+6300*x^2-180*x+1)/(x-1)/(100*x-1)^2$  ogf]  
A038408 21.4197  $[x^4-3*x^3+x^2+4$  ogf\_with\_Euler\_transform]  
A038408 5.20903  $[-(x^2+1)^3*(x+1)^3/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A038408 7.44362  $-(4+12*x+27*x^6+30*x^5+27*x^2+30*x^3+34*x^4+4*x^8+12*x^7)/(x-1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)$  lgdogf  
A038454 4.41076  $[{-10*a(n+2)+11*a(n+1)-a(n), a(0) = 111111111111, a(1) = 101111111111},$  ogf]  
A038454 6.64720  $[3*(2962962962963*x+370370370370)/(x-1)/(x-10)$  ogf]  
A038459 12.0465  $[-(1000*x^3-1000*x-1)/(x-1)^2/(x+1)^2$  ogf]  
A038459 14.5742  $-4*(-250-x+250*x^4)/(x-1)/(x+1)/(1000*x^3-1000*x-1)$  lgdogf  
A038459 8.72336  $[-(1000*x^4+4*x+1000)/(-1000*x^5+2000*x^3+x^2-1000*x-1)$  lgdogf]

A038463 3.97246 [  $(x^{15}-8193x^{14}+16791550x^{13}-16781310x^{12}-x^2-4093x+33554430)/(x-1)/(x-2)/(x^{13}-2049x^{12}-x+4097)$  ogf]  
A038503 16.2033  $(1-4x+6x^2)/(x-1)/(2x-1)/(2x^2-2x+1)$  lgdogf  
A038503 5.13881 [  $\{-a(n+4)+4a(n+3)-6a(n+2)+4a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1\}$ , ogf]  
A038503 9.16653 [  $-(6x^2-4x+1)/(-4x^4+10x^3-10x^2+5x-1)$  lgdogf]  
A038503 9.83077 [  $(x-1)^3/(2x-1)/(2x^2-2x+1)$  ogf]  
A038504 10.4357 [  $-x(x-1)^2/(2x-1)/(2x^2-2x+1)$  ogf]  
A038504 13.0948  $-2(-1+4x-6x^2+2x^3)/(x-1)/(2x-1)/(2x^2-2x+1)$  lgdogf  
A038504 5.17804 [  $\{-a(n+4)+4a(n+3)-6a(n+2)+4a(n+1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3\}$ , ogf]  
A038504 8.17257 [  $(-4x^3+12x^2-8x+2)/(-4x^4+10x^3-10x^2+5x-1)$  lgdogf]  
A038505 11.1200 [  $x^2(x-1)/(2x-1)/(2x^2-2x+1)$  ogf]  
A038505 12.9116 [  $(-3+12x-18x^2+8x^3)/(x-1)/(2x-1)/(2x^2-2x+1)$  lgdogf]  
A038505 5.21787 [  $\{a(n+4)-4a(n+3)+6a(n+2)-4a(n+1), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3\}$ , ogf]  
A038505 8.07527 [  $(-8x^3-18x^2+12x-3)/(4x^4-10x^3+10x^2-5x+1)$  lgdogf]  
A038507 3.08596 [  $\{(n^2+4n+4)a(n+1)+(-n^2-5n-5)a(n+2)+(n+1)a(n+3), a(0) = 2, a(1) = 2, a(2) = 3\}$ , ogf]  
A038508 5.11988 [  $\{a(n+3)-4a(n+2)+2a(n+1)+4a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A038508 9.03860  $-2(1-3x+2x^4+8x^3-2x^2)/(2x-1)/(2x^2+2x-1)/(x^2+2x-1)$  lgdogf  
A038508 9.40043 [  $-(x^2+2x-1)/(2x-1)/(2x^2+2x-1)$  ogf]  
A038518 11.8509 [  $x(x^2-x-1)/(2x-1)/(2x^2+2x+1)$  ogf]  
A038518 11.8721 [  $(-1-2x-14x^2-8x^3+4x^4)/(2x-1)/(2x^2+2x+1)/(x^2-x-1)$  lgdogf]  
A038518 6.39738 [  $\{a(n+4)-2a(n+2)-4a(n+1), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 1\}$ , ogf]  
A038518 7.45262 [  $(-4x^4+8x^3+14x^2+2x+1)/(-4x^5+2x^4+6x^3+3x^2-x-1)$  lgdogf]  
A038519 11.1200 [  $(x^3+x^2-1)/(2x-1)/(2x^2+2x+1)$  ogf]  
A038519 11.9256  $-x(x+2)(2x^2-4x-1)/(2x-1)/(2x^2+2x+1)/(x^3+x^2-1)$  lgdogf  
A038519 6.00286 [  $\{a(n+4)-2a(n+2)-4a(n+1), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 3\}$ , ogf]  
A038519 7.70822 [  $(-2x^4-9x^2-2x)/(4x^6+6x^5+2x^4-5x^3-3x^2+1)$  lgdogf]  
A038520 12.7326 [  $-x(x^2+1)/(2x-1)/(2x^2+2x+1)$  ogf]  
A038520 13.9132  $-2x(3+6x+2x^3)/(2x-1)/(1+x^2)/(2x^2+2x+1)$  lgdogf  
A038520 6.02523 [  $\{-a(n+4)+2a(n+2)+4a(n+1), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 3\}$ , ogf]  
A038520 8.33119 [  $(-4x^4+12x^2+6x)/(4x^5+2x^4+4x^3+x^2-1)$  lgdogf]  
A038521 13.4583 [  $-x(x+2)/(2x-1)/(2x^2+2x+1)$  ogf]  
A038521 14.0560 [  $(1+8x+8x^3+26x^2)/(-1+2x)/(x+2)/(2x^2+2x+1)$  lgdogf]  
A038521 7.66976 [  $\{-a(n+3)+2a(n+1)+4a(n), a(0) = 0, a(1) = 2, a(2) = 1\}$ , ogf]  
A038521 8.69863 [  $(-8x^3+26x^2+8x+1)/(4x^4+10x^3+4x^2-x-2)$  lgdogf]  
A038565 7.74448 [  $(6x^{20}-4x^{19}+2x^{18}-2x^{17}+x^{14}-x^{13}+2x^{11}-2x^9-2x^4+x^3-x^2-1)/(x-1)$  ogf]  
A038577 5.94127 [  $(3+6x+11x^6+4x^5-4x^7-7x^4-16x^3+2x^9-8x^8+x^{10})/(x-1)/(x+1)/(x^2+x-1)/(x^7-x^4-x^3+2x+1)$  lgdogf]  
A038577 7.79387 [  $-(x^7-x^4-x^3+2x+1)/(x^2+x-1)/(x-1)^2/(x+1)^2$  ogf]  
A038578 7.13998 [  $-(x^2+1)(3x^4+6x^3+2x^2-6x-1)/(x^3+x^2+x-1)^2$  ogf]  
A038578 8.95445  $8(x+1)(x^5-x^4-2x^3+3x^2+1)/(1+x^2)/(x^3+x^2+x-1)/(3x^4+6x^3+2x^2-6x-1)$  lgdogf  
A038579 6.58444 [  $-(x^6+2x^5-x^4-4x^3-x^2-2x-1)/(x^3+x^2+x-1)^2$  ogf]  
A038579 8.69096  $4(1+x)(2x^5+x^4-2x^3+5x^2+x+1)/(x^6+2x^5-x^4-4x^3-x^2-2x-1)/(x^3+x^2+x-1)$  lgdogf  
A038587 12.4901 [  $(-x^2-3x-2)/(x^2+x+1)$  ogf\_with\_Euler\_transform]  
A038602 3.20800 [  $\{(-16n^2-104n-160)a(n+1)+(8n^2+58n+100)a(n+2)+(-n^2-8n-15)a(n+3), a(0) = 3, a(1) = 16, a(2) = 73\}$ , ogf]  
A038608 115.215  $-2/(x+1)$  lgdogf  
A038608 24.1222 [  $-x/(x+1)^2$  ogf]

A038608 28.4298  $[-2/(x+1) \text{ lgdogf}]$   
A038608 37.7683  $[-2+2*x] \text{ ogf\_with\_Euler\_transform}]$   
A038608 38.4051  $-4*x/(1+(4*x+1)^{(1/2)})^2 \text{ revogf}]$   
A038608 9.82758  $[-a(n+2)-2*a(n+1)-a(n), a(0) = 0, a(1) = -1], \text{ ogf}]$   
A038620 6.26511  $[-(x+1)*(2*x^8-4*x^7+3*x^6-x^5+6*x^4+2*x^3+2*x^2+x+1)/(x^2+x+1)^2/(x-1)^3 \text{ ogf}]$   
A038621 5.25448  $[(x+1)*(2*x^8-4*x^7+3*x^6-x^5+6*x^4+2*x^3+2*x^2+x+1)/(x^2+x+1)^2/(x-1)^4 \text{ ogf}]$   
A038629 13.9729  $-3/8-1/8*x^2+1/8*((x^2-2*x+9)*(x+1)^2)^{(1/2)} \text{ revogf}]$   
A038629 5.14493  $[{-4*n^2-18*n-18}*a(n+1)+(n^2+6*n+8)*a(n+2), a(0) = 3, a(1) = 4], \text{ ogf}]$   
A038629 8.59838  $[-1/8*x^2-3/8+1/8*(x^4+6*x^2+16*x+9)^{(1/2)} \text{ revogf}]$   
A038665 11.6528  $-1/8*(-3-8*x-x^2+((x^2+2*x+9)*(-1+x)^2)^{(1/2)})/(x+2)^2 \text{ revogf}]$   
A038665 3.54677  $[{(16*n^2+72*n+80)*a(n+1)+(-8*n^2-50*n-76)*a(n+2)+(n^2+8*n+15)*a(n+3), a(0) = 3, a(1) = 8, a(2) = 25}, \text{ ogf}]$   
A038665 6.61821  $[-1/8*(-x^2+(x^4+6*x^2-16*x+9)^{(1/2)}-8*x-3)/(x^2+4*x+4) \text{ revogf}]$   
A038679 3.76908  $[{(16*n+40)*a(n+1)+(-8*n-30)*a(n+2)+(n+5)*a(n+3), a(0) = 3, a(1) = 14, a(2) = 59}, \text{ ogf}]$   
A038687 5.53094  $[-(9*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-11)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A038697 3.14273  $[{-16*n^2-120*n-224}*a(n+1)+(8*n^2+62*n+118)*a(n+2)+(-n^2-8*n-15)*a(n+3), a(0) = 3, a(1) = 26, a(2) = 163], \text{ ogf}]$   
A038707 11.8579  $-(5+8*x+8*x^2+16*x^3+7*x^4+4*x^5)/(x-1)/(x+1)/(1+x^2)/(x^2+x+2) \text{ lgdogf}]$   
A038707 8.88131  $[-x^2*(x^2+x+2)/(x^2+1)/(x+1)/(x-1)^3 \text{ ogf}]$   
A038709 6.20490  $-(2+4*x+5*x^12+8*x^11+4*x^10+12*x^9+6*x^8+16*x^7+4*x^2+8*x^3+11*x^4+8*x^5+8*x^6)/(x-1)/(x+1)/(x^2+1)/(x^5+x^4+x^2+1)/(x^4+1) \text{ lgdogf}]$   
A038709 8.27045  $[-x^2*(x^5+x^4+x^2+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^3 \text{ ogf}]$   
A038714 12.8717  $[-2*x^4/(x^2+1)^2/(x+1)^2/(x-1)^3 \text{ ogf}]$   
A038714 13.0863  $[-(9*x^3+x^2+x+1)/(x^4-1) \text{ lgdogf}]$   
A038714 18.6947  $-a(n+4)+a(n), a(0)=1, a(1)=1, a(2)=1, a(3)=9 \text{ lgdogf}]$   
A038714 31.2808  $[2*x^3+1] \text{ ogf\_with\_Euler\_transform}]$   
A038715 10.3313  $[-(-2-5*x^2-10*x^3+10*x^4-10*x^5+5*x^6)/(x-1)/(x+1)/(1+x^2)/(x^3-2*x^2+2*x-2) \text{ lgdogf}]$   
A038715 7.20345  $[x^4*(x^3-2*x^2+2*x-2)/(x+1)/(x^2+1)^2/(x-1)^3 \text{ ogf}]$   
A038716 13.5375  $[-(-2-4*x-x^2-11*x^3+x^4+5*x^5)/(x-1)/(x+1)/(x^2-2)/(1+x^2) \text{ lgdogf}]$   
A038716 8.44275  $[x^4*(x^2-2)/(x^2+1)/(x+1)^2/(x-1)^3 \text{ ogf}]$   
A038716 8.44275  $[{-(-5*x^5-x^4+11*x^3+x^2+4*x+2)/(-x^6+2*x^4+x^2-2)} \text{ lgdogf}]$   
A038718 11.1407  $[(x^2-x+1)/(x-1)/(x^3+x-1) \text{ ogf}]$   
A038718 13.7064  $[-(-1+2*x^5-2*x^2+6*x^3-4*x^4)/(x-1)/(x^2-x+1)/(x^3+x-1) \text{ lgdogf}]$   
A038720 13.0397  $[(x-2)/(x-1)^3 \text{ egf}]$   
A038720 14.3980  $[-(2*x+5)/(-x^2+3*x-2) \text{ lgdegf}]$   
A038720 17.0967  $[-(-2-2*x+(4+2*x)^{(1/2)})/(2*x+3) \text{ revegf}]$   
A038720 25.2381  $[-(-5+2*x)/(x-1)/(x-2) \text{ lgdegf}]$   
A038720 4.04156  $[{-3*n^2-15*n-18}*a(n+1)+(-2*n^2-13*n-23)*a(n+2)+(2*n+6)*a(n+3), a(0) = 2, a(1) = 5, a(2) = 18], \text{ ogf}]$   
A038721 14.3769  $[-2/(3*x-1)/(2*x-1)/(4*x-1) \text{ ogf}]$   
A038721 14.7767  $[-(9-52*x+72*x^2)/(-1+3*x)/(2*x-1)/(4*x-1) \text{ lgdogf}]$   
A038721 5.28383  $[{a(n+3)-9*a(n+2)+26*a(n+1)-24*a(n), a(0) = 2, a(1) = 18, a(2) = 110}, \text{ ogf}]$   
A038721 9.09129  $[-(72*x^2-52*x+9)/(24*x^3-26*x^2+9*x-1) \text{ lgdogf}]$   
A038723 13.0576  $[-(2*x-1)/(x^2-6*x+1) \text{ ogf}]$   
A038723 14.3854  $-1/2*(-1-6*x+(1+4*x+32*x^2)^{(1/2)})/(x+2) \text{ revogf}]$   
A038723 17.9817  $-2*(2-x+x^2)/(2*x-1)/(x^2-6*x+1) \text{ lgdogf}]$   
A038723 7.16576  $[{a(n+2)-6*a(n+1)+a(n), a(0) = 1, a(1) = 4}, \text{ ogf}]$   
A038723 9.03988  $[-(2*x^2+2*x-4)/(-2*x^3+13*x^2-8*x+1) \text{ lgdogf}]$   
A038725 12.5840  $[-(4*x-1)/(x^2-6*x+1) \text{ ogf}]$   
A038725 13.8526  $-1/2*(-1-6*x+(1-4*x+32*x^2)^{(1/2)})/(x+4) \text{ revogf}]$   
A038725 15.8315  $-2*(1-x+2*x^2)/(-1+4*x)/(x^2+1-6*x) \text{ lgdogf}]$

A038725 6.90587 [ $\{a(n+2)-6*a(n+1)+a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A038725 8.58002 [ $-(-4*x^2+2*x-2)/(-4*x^3+25*x^2-10*x+1)$  lgdogf]  
A038731 11.5065 [ $-(-x^2+x-3)/(-x^3+4*x^2-4*x+1)$  lgdogf]  
A038731 25.8245  $-(3-x+x^2)/(x-1)/(x^2-3*x+1)$  lgdogf  
A038731 3.70058 [ $\{(n+4)*a(n+4)+(-15-4*n)*a(n+3)+(9+4*n)*a(n+2)+(-2-n)*a(n+1),$   
 $a(0) = 1, a(1) = 3, a(2) = 10, a(3) = 32\}$ , ogf]  
A038731 9.44123 [ $-(x-1)^3/(x^2-3*x+1)^2$  ogf]  
A038732 18.3379  $-(8-20*x+7*x^2)/(x-1)/(x^2-3*x+1)$  lgdogf  
A038732 8.46610 [ $-1/(x^2-3*x+1)/(x-1)^5$  ogf]  
A038732 9.50808 [ $-(7*x^2-20*x+8)/(x^3-4*x^2+4*x-1)$  lgdogf]  
A038733 17.1054  $-(10-26*x+9*x^2)/(x-1)/(x^2-3*x+1)$  lgdogf  
A038733 6.12675 [ $-1/(x^2-3*x+1)/(x-1)^7$  ogf]  
A038733 9.00447 [ $-(9*x^2-26*x+10)/(x^3-4*x^2+4*x-1)$  lgdogf]  
A038734 17.4339  $-(12-32*x+11*x^2)/(x-1)/(x^2-3*x+1)$  lgdogf  
A038734 5.23444 [ $-1/(x^2-3*x+1)/(x-1)^9$  ogf]  
A038734 9.29698 [ $-(11*x^2-32*x+12)/(x^3-4*x^2+4*x-1)$  lgdogf]  
A038735 16.8421  $-(14-38*x+13*x^2)/(x-1)/(x^2-3*x+1)$  lgdogf  
A038735 8.98528 [ $-(13*x^2-38*x+14)/(x^3-4*x^2+4*x-1)$  lgdogf]  
A038737 11.5515 [ $-1/(x^2-3*x+1)/(x-1)^3$  ogf]  
A038737 18.8575  $-(6-14*x+5*x^2)/(x-1)/(x^2-3*x+1)$  lgdogf  
A038737 9.77431 [ $-(5*x^2-14*x+6)/(x^3-4*x^2+4*x-1)$  lgdogf]  
A038739 10.0249 [ $-(6*x^2-17*x+7)/(x^3-4*x^2+4*x-1)$  lgdogf]  
A038739 18.7820  $-(2*x-1)*(3*x-7)/(x-1)/(x^2-3*x+1)$  lgdogf  
A038739 9.58265 [ $1/(x^2-3*x+1)/(x-1)^4$  ogf]  
A038740 18.7280  $-(9-23*x+8*x^2)/(x-1)/(x^2-3*x+1)$  lgdogf  
A038740 7.33605 [ $1/(x^2-3*x+1)/(x-1)^6$  ogf]  
A038740 9.70615 [ $-(8*x^2-23*x+9)/(x^3-4*x^2+4*x-1)$  lgdogf]  
A038741 16.6848  $-(11-29*x+10*x^2)/(-1+x)/(x^2-3*x+1)$  lgdogf  
A038741 5.47646 [ $1/(x^2-3*x+1)/(x-1)^8$  ogf]  
A038741 9.15469 [ $-(10*x^2-29*x+11)/(x^3-4*x^2+4*x-1)$  lgdogf]  
A038742 16.3045  $-(13-35*x+12*x^2)/(x-1)/(x^2-3*x+1)$  lgdogf  
A038742 8.70449 [ $-(12*x^2-35*x+13)/(x^3-4*x^2+4*x-1)$  lgdogf]  
A038743 8.35042 [ $-(14*x^2-41*x+15)/(x^3-4*x^2+4*x-1)$  lgdogf]  
A038754 12.3561 [ $-(-6*x^2-6*x-2)/(-6*x^3-3*x^2+2*x+1)$  lgdogf]  
A038754 12.3561 [ $\{a(n+2)-3*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A038754 19.2876 [ $-(2*x+1)/(3*x^2-1)$  ogf]  
A038754 19.4087  $1/2/(2+3*x)*(-1+((2*x+1)*(1+6*x))^(1/2))$  revogf  
A038754 22.8338  $-2*(1+3*x+3*x^2)/(2*x+1)/(3*x^2-1)$  lgdogf  
A038758 10.7517  $-(281+1322*x+84*x^3+833*x^2)/(x-1)/(21*x^3+154*x^2+169*x+16)$   
lgdogf  
A038758 5.92915 [ $-(21*x^3+154*x^2+169*x+16)/(x-1)^7$  ogf]  
A038758 6.92775 [ $-(84*x^3+833*x^2+1322*x+281)/(21*x^4+133*x^3+15*x^2-153*x-16)$   
lgdogf]  
A038761 12.1161 [ $(3*x+1)/(x^2-6*x+1)$  ogf]  
A038761 12.6962  $-1/2*(-1-6*x+(1+24*x+32*x^2)^(1/2))/(-3+x)$  revogf  
A038761 15.2354  $-(-9+2*x+3*x^2)/(3*x+1)/(x^2-6*x+1)$  lgdogf  
A038761 6.64906 [ $\{-a(n+2)+6*a(n+1)-a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A038761 8.38805 [ $-(3*x^2+2*x-9)/(3*x^3-17*x^2-3*x+1)$  lgdogf]  
A038762 12.3158 [ $-(5*x-3)/(x^2-6*x+1)$  ogf]  
A038762 13.2251  $-1/2*(-3-6*x+(9+16*x+32*x^2)^(1/2))/(x+5)$  revogf  
A038762 15.4922  $-(13-6*x+5*x^2)/(5*x-3)/(x^2+1-6*x)$  lgdogf  
A038762 6.67723 [ $\{a(n+2)-6*a(n+1)+a(n), a(0) = 3, a(1) = 13\}$ , ogf]  
A038762 8.27179 [ $-(-5*x^2+6*x-13)/(-5*x^3+33*x^2-23*x+3)$  lgdogf]  
A038764 10.5670  $1/3*(2*HeunG(7/27, 7/36, -1/6, 1/6, 1/2, -1, -21/4*x)*(81*x$   
 $+4)^(1/2)-4+3*x)/(x+4)$  revogf  
A038764 13.2433 [ $-(2*x+1)^2/(x-1)^3$  ogf]  
A038764 16.8301 [ $-(-2*x-7)/(-2*x^2+x+1)$  lgdogf]  
A038764 36.0240  $-(2*x+7)/(2*x+1)/(x-1)$  lgdogf  
A038764 7.14905 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 7, a(2) = 22\}$ ,  
ogf]  
A038765 12.4177 [ $(2*x-1)^2/(3*x-1)^2$  ogf]

A038765 18.2816  $[-2/(-6*x^2+5*x-1) \text{ lgdogf}]$   
A038765 35.8391  $2/(3*x-1)/(-1+2*x) \text{ lgdogf}$   
A038765 6.45231  $[{-a(n+3)+6*a(n+2)-9*a(n+1)}, a(0) = 1, a(1) = 2, a(2) = 7], \text{ ogf}]$   
A038793 12.4054  $(4-4*x-x^2+9*x^3-5*x^4+x^5)/(x-1)/(x^5-2*x^4-x^3+2*x^2-1) \text{ lgdogf}$   
A038793 8.11404  $[ -(x^5-2*x^4-x^3+2*x^2-1)/(x-1)^4 \text{ ogf}]$   
A038794 5.88341  $[ -(x^7-2*x^6-x^5+4*x^4+x^3-3*x^2+1)/(x-1)^5 \text{ ogf}]$   
A038794 7.88144  $(-5+6*x-9*x^6+12*x^5-18*x^3+2*x^7+x^4+6*x^2)/(x-1)/(x^7-2*x^6-x^5+4*x^4+x^3-3*x^2+1) \text{ lgdogf}$   
A038795 4.69814  $[ -(x^9-2*x^8-2*x^7+5*x^6+2*x^5-7*x^4-x^3+4*x^2-1)/(x-1)^6 \text{ ogf}]$   
A038796 4.14440  $[ -(x^{11}-2*x^{10}-3*x^9+7*x^8+5*x^7-12*x^6-3*x^5+11*x^4+x^3-5*x^2+1)/(x-1)^7 \text{ ogf}]$   
A038797 11.5515  $[ -1/(x^2-3*x+1)/(x-1)^3 \text{ ogf}]$   
A038797 18.8575  $-(6-14*x+5*x^2)/(x-1)/(x^2-3*x+1) \text{ lgdogf}$   
A038797 9.77431  $[-(5*x^2-14*x+6)/(x^3-4*x^2+4*x-1) \text{ lgdogf}]$   
A038798 10.0249  $[-(6*x^2-17*x+7)/(x^3-4*x^2+4*x-1) \text{ lgdogf}]$   
A038798 18.7820  $-(2*x-1)*(3*x-7)/(x-1)/(x^2-3*x+1) \text{ lgdogf}$   
A038798 9.58265  $[ 1/(x^2-3*x+1)/(x-1)^4 \text{ ogf}]$   
A038799 18.3379  $-(8-20*x+7*x^2)/(x-1)/(x^2-3*x+1) \text{ lgdogf}$   
A038799 8.46610  $[ -1/(x^2-3*x+1)/(x-1)^5 \text{ ogf}]$   
A038799 9.50808  $[-(7*x^2-20*x+8)/(x^3-4*x^2+4*x-1) \text{ lgdogf}]$   
A038806 3.22766  $[{(-16*n^2-104*n-168)*a(n+1)+(8*n^2+50*n+72)*a(n+2)+(-n^2-6*n-8)*a(n+3)}, a(0) = 0, a(1) = 1, a(2) = 10], \text{ ogf}]$   
A038806 7.78943  $[(-12*x-1)/(-1+4*x)^{(1/2)+I}/x/(-1+4*x)^{(1/2)} \text{ lgdogf}]$   
A038835 17.7980  $[-(4+x)/(-x-1) \text{ ogf\_with\_Euler\_transform}]$   
A038836 10.4384  $-24+196*x+(2-36*x+112*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2 \text{ lgdogf}$   
A038836 3.22555  $[{(-16*n^2-152*n-360)*a(n+1)+(8*n^2+70*n+144)*a(n+2)+(-n^2-8*n-15)*a(n+3)}, a(0) = 1, a(1) = 12, a(2) = 95], \text{ ogf}]$   
A038836 7.95635  $[(-14*x-1)/(-1+4*x)^{(1/2)+I}/x/(-1+4*x)^{(1/2)} \text{ lgdogf}]$   
A038845 14.9182  $[ -1/(4*x-1)^3 \text{ ogf}]$   
A038845 20.5768  $[12/(-4*x+1) \text{ lgdogf}]$   
A038845 48.7123  $-12/(-1+4*x) \text{ lgdogf}$   
A038845 5.10022  $[{a(n+3)-12*a(n+2)+48*a(n+1)-64*a(n)}, a(0) = 1, a(1) = 12, a(2) = 96], \text{ ogf}]$   
A038846 10.4033  $[ 1/(4*x-1)^4 \text{ ogf}]$   
A038846 19.7305  $[16/(-4*x+1) \text{ lgdogf}]$   
A038846 46.6835  $-16/(-1+4*x) \text{ lgdogf}$   
A038846 5.39796  $[{(-n-2)*a(n+2)+(20+4*n)*a(n+1)}, a(0) = 1, a(1) = 16], \text{ ogf}]$   
A038865 11.3592  $[ -(-3*x^2+10*x-13)/(-3*x^3+11*x^2-15*x+7) \text{ lgdogf}]$   
A038865 12.0691  $[ -9*(3*x^2-8*x+7)/(x-1)^3 \text{ ogf}]$   
A038865 21.0436  $-(13-10*x+3*x^2)/(x-1)/(3*x^2-8*x+7) \text{ lgdogf}$   
A038865 6.60191  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n)}, a(0) = 63, a(1) = 117, a(2) = 189], \text{ ogf}]$   
A038866 10.5263  $[ -(-16*x^2+50*x-52)/(-16*x^3+57*x^2-72*x+31) \text{ lgdogf}]$   
A038866 11.3237  $[ -4*(16*x^2-41*x+31)/(x-1)^3 \text{ ogf}]$   
A038866 17.8710  $-2*(26-25*x+8*x^2)/(x-1)/(16*x^2-41*x+31) \text{ lgdogf}$   
A038866 6.33361  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n)}, a(0) = 124, a(1) = 208, a(2) = 316], \text{ ogf}]$   
A038867 11.0666  $[ -(-13*x^2+38*x-43)/(-13*x^3+45*x^2-57*x+25) \text{ lgdogf}]$   
A038867 11.9050  $[ -5*(13*x^2-32*x+25)/(x-1)^3 \text{ ogf}]$   
A038867 19.2744  $-(67-74*x+25*x^2)/(x-1)/(25*x^2-62*x+43) \text{ lgdogf}$   
A038867 6.65874  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n)}, a(0) = 125, a(1) = 215, a(2) = 335], \text{ ogf}]$   
A038989 10.4709  $[ -(2*x^3+x^2-1)/(x^4-2*x^3-2*x^2-2*x+1) \text{ ogf}]$   
A038989 8.24228  $-2*(1+x^2)*(x^2-x+1)*(x+1)^2/(2*x^3+x^2-1)/(x^4-2*x^3-2*x^2-2*x+1) \text{ lgdogf}$   
A038990 11.2388  $[ -(2*x^3-x^2-x+1)/(x-1)/(x+1)/(x^2-3*x+1) \text{ ogf}]$   
A038990 12.6978  $-2*(1-x+x^6-x^5-x^3)/(x-1)/(x+1)/(1+x^2-3*x)/(2*x^3-x^2-x+1) \text{ lgdogf}$   
A038990 6.86260  $[ -(-2*x^6+2*x^5+2*x^3+2*x-2)/(-2*x^7+7*x^6-2*x^5-10*x^4+8*x^3+2*x^2-4*x+1) \text{ lgdogf}]$   
A039097 5.11099  $[ -x*(5*x^29+7*x^28+4*x^27-2*x^25+2*x^23-5*x^22-7*x^21-4*x^20-$

$x^6-x^5-x^4-x^3-3*x^2-x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A039112 6.85781 [  $-(9*x^{17}-11*x^9+x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-2)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A039113 4.37659 [  $-(9*x^{24}-9*x^{23}+9*x^{22}-9*x^{21}+9*x^{20}-9*x^{19}+9*x^{18}-10*x^{17}+x^{16}-x^7-x^5-x^3-x-1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf]  
A039114 5.61898 [  $-(9*x^{31}-9*x^{29}+9*x^{27}-10*x^{25}+x^{24}-x^6-x^5-x^2-x-1)/(x+1)/(x^4+1)/(x-1)^2$  ogf]  
A039128 5.14142 [  $-x*(7*x^{25}+8*x^{24}+3*x^{23}-2*x^{19}-5*x^{17}-8*x^{16}-3*x^{15}-x^7-x^6-x^5-x^4-x^3-x^2-3*x-1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A039135 4.87999 [  $-x*(6*x^{33}+8*x^{32}+4*x^{31}-2*x^{28}+2*x^{26}-6*x^{25}-8*x^{24}-4*x^{23}-x^7-x^6-x^5-x^4-x^3-3*x^2-x-1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A039156 6.31117 [  $-(10*x^{19}-12*x^{10}+x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-2)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A039157 5.58296 [  $-(10*x^{28}-x^{20}-10*x^{19}+x^{18}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-1)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A039163 7.38086 [  $(x^9+x^8+2*x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A039164 7.38086 [  $(x^9+2*x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A039165 5.14142 [  $-x*(9*x^{19}+9*x^{18}+2*x^{17}-2*x^{11}-9*x^{10}-7*x^9-3*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-3)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A039166 4.64386 [  $-x*(9*x^{28}+x^{27}-x^{21}-8*x^{19}+6*x^{18}+3*x^{17}-x^{11}-6*x^9-4*x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-2)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A039172 5.73970 [  $-x*(x^{18}+8*x^{17}+x^{16}-x^{10}-10*x^8-2*x^7-x^6-x^5-x^4-x^3-x^2-x-2)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A039173 5.67399 [  $x*(x^{18}-11*x^{17}+x^{10}-x^9+12*x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+2)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A039174 4.87999 [  $-x*(8*x^{28}+9*x^{27}+3*x^{26}-2*x^{21}-6*x^{19}-9*x^{18}-3*x^{17}-x^8-x^7-x^6-x^5-x^4-x^3-x^2-3*x-1)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A039180 4.89658 [  $-x*(x^{27}+8*x^{26}+x^{25}-x^{20}+x^{19}-x^{18}-9*x^{17}-x^8-2*x^7-x^6-x^5-x^4-x^3-x^2-2*x-1)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A039181 5.35681 [  $x*(x^{27}-11*x^{26}+x^{20}-x^{19}+10*x^{17}+2*x^8+x^7+x^6+x^5+x^4+x^3+x^2+2*x+1)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A039207 7.60258 [  $x*(x^8+3*x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A039208 7.56532 [  $x*(2*x^8+2*x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A039209 7.56532 [  $x*(3*x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A039210 5.88474 [  $-(11*x^{21}-13*x^{11}+x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A039216 6.80423 [  $(x^{10}+x^9+x^8+x^7+2*x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A039217 5.75125 [  $(x^2+1)*(x^7+x^4+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A039218 6.80423 [  $(x^2+x+1)*(x^8+x^6+x^3+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A039219 5.93626 [  $(x^9+x^8+x^6+x^4+x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A039226 4.86907 [  $-x*(3*x^{20}+8*x^{19}-x^{17}+x^{16}-x^{11}-2*x^{10}-9*x^9-x^8-x^7-2*x^6-x^5-x^4-x^3-x^2-x-2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A039228 5.35681 [  $-x*(x^{20}+9*x^{19}+x^{18}-x^{11}-11*x^9-2*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A039235 6.41996 [  $-x*(3*x^{25}+8*x^{24}-x^{22}+x^{21}-3*x^{20}-8*x^{19}-x^4-x^3-x^2-2*x-1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A039238 5.04354 [  $x*(x^{30}-12*x^{29}+x^{22}-x^{21}+11*x^{19}+2*x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+2*x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A039265 6.98947 [  $x*(x^9+x^8+x^7+3*x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x$

+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A039266 6.05408 [ x\*(x^2+1)\*(x^6+x^4+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A039267 6.95521 [ x\*(x^9+2\*x^8+x^7+2\*x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A039268 5.69345 [ x\*(2\*x^8-x^7+2\*x^6+x^4+x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A039269 6.98947 [ x\*(x^9+x^8+3\*x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A039270 5.90716 [ x\*(x^2+x+1)\*(x^6+x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A039271 6.95521 [ x\*(2\*x^9+x^8+2\*x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A039272 6.95521 [ x\*(x^9+3\*x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A039273 6.24961 [ x\*(2\*x^8+x^6+x^4+x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A039274 6.92094 [ x\*(3\*x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A039300 10.8601 [ -(3\*x^2+x-1)/(x-1)/(3\*x-1)/(x+1) ogf]  
A039300 11.5943 [ -(2-4\*x+9\*x^4+6\*x^3-x^2)/(x-1)/(3\*x-1)/(x+1)/(3\*x^2+x-1) lgdogf]  
A039300 5.91486 [ {-a(n+3)+3\*a(n+2)+a(n+1)-3\*a(n), a(0) = 1, a(1) = 2, a(2) = 4}, ogf]  
A039300 7.44342 [ -(9\*x^4+6\*x^3-x^2-4\*x+2)/(9\*x^5-13\*x^3+x^2+4\*x-1) lgdogf]  
A039301 12.4504 [ -(2\*x^2+3\*x-1)/(4\*x-1)/(x-1) ogf]  
A039301 14.0651 [ -2\*(1-6\*x+11\*x^2)/(x-1)/(-1+4\*x)/(3\*x+2\*x^2-1) lgdogf]  
A039301 6.46931 [ {-a(n+3)+5\*a(n+2)-4\*a(n+1), a(0) = 1, a(1) = 2, a(2) = 4}, ogf]  
A039301 8.79827 [ -(-22\*x^2+12\*x-2)/(-8\*x^4-2\*x^3+17\*x^2-8\*x+1) lgdogf]  
A039302 10.2662 [ -(3-8\*x+8\*x^2+20\*x^3+25\*x^4)/(x-1)/(5\*x-1)/(x+1)/(5\*x^2+2\*x-1) lgdogf]  
A039302 10.6401 [ -(5\*x^2+2\*x-1)/(x-1)/(5\*x-1)/(x+1) ogf]  
A039302 5.74377 [ {-a(n+3)+5\*a(n+2)+a(n+1)-5\*a(n), a(0) = 1, a(1) = 3, a(2) = 11}, ogf]  
A039302 6.49046 [ -(-25\*x^4-20\*x^3-8\*x^2+8\*x-3)/(-25\*x^5-5\*x^4+32\*x^3+4\*x^2-7\*x+1) lgdogf]  
A039303 3.99775 [ -(108\*x^7+360\*x^6-12\*x^5-199\*x^4-13\*x^3+30\*x^2+2\*x-1)/(x-1)/(6\*x-1)/(3\*x-1)/(2\*x+1)/(2\*x-1)/(3\*x+1)/(x+1) ogf]  
A039304 10.2815 [ -(7\*x^2+3\*x-1)/(x-1)/(7\*x-1)/(x+1) ogf]  
A039304 5.55019 [ {-a(n+3)+7\*a(n+2)+a(n+1)-7\*a(n), a(0) = 1, a(1) = 4, a(2) = 22}, ogf]  
A039304 9.60927 [ -(4-12\*x+25\*x^2+42\*x^3+49\*x^4)/(x-1)/(7\*x-1)/(x+1)/(7\*x^2+3\*x-1) lgdogf]  
A039305 4.74854 [ {-a(n+4)+8\*a(n+3)+a(n+2)-8\*a(n+1), a(0) = 1, a(1) = 3, a(2) = 12, a(3) = 87}, ogf]  
A039305 8.66842 [ -3\*(1-8\*x+36\*x^4+48\*x^3+21\*x^2)/(x-1)/(8\*x-1)/(1+x)/(4\*x^3+13\*x^2+5\*x-1) lgdogf]  
A039305 9.09007 [ -(4\*x^3+13\*x^2+5\*x-1)/(x-1)/(8\*x-1)/(x+1) ogf]  
A039306 13.4808 [ -(6\*x-1)/(9\*x-1)/(x-1) ogf]  
A039306 14.1426 [ -1/6\*(-10\*x-1+(64\*x^2-4\*x+1)^(1/2))/(2+3\*x) revogf]  
A039306 15.5932 [ -2\*(2-9\*x+27\*x^2)/(x-1)/(6\*x-1)/(9\*x-1) lgdogf]  
A039306 7.47128 [ {a(n+2)-10\*a(n+1)+9\*a(n), a(0) = 1, a(1) = 4}, ogf]  
A039306 8.98719 [ -(-54\*x^2+18\*x-4)/(-54\*x^3+69\*x^2-16\*x+1) lgdogf]  
A039623 10.3876 [ -(-2\*x^3-9\*x^2-12\*x-7)/(-x^4-x^3+x+1) lgdogf]  
A039623 17.2988 [ -(7+12\*x+2\*x^3+9\*x^2)/(x-1)/(x+1)/(x^2+x+1) lgdogf]  
A039623 30.1016 [ -x^2-x+7 ogf\_with\_Euler\_transform]  
A039623 8.71601 [ -(x^2+x+1)\*(x+1)/(x-1)^5 ogf]  
A039647 12.5629 [ -(2\*x+1)/(x^2+x-1) egf]  
A039647 17.2986 [ -(3+2\*x+2\*x^2)/(2\*x+1)/(x^2+x-1) lgdegf]  
A039647 8.83331 [ -(-2\*x^2-2\*x-3)/(-2\*x^3-3\*x^2+x+1) lgdegf]  
A039685 12.0756 [ 2\*(19\*x^2+212\*x+19)/(x+1)/(x-1)^2 ogf]  
A039685 13.5081 [ -(231+307\*x+19\*x^3+443\*x^2)/(x-1)/(x+1)/(19\*x^2+212\*x+19) lgdogf]



A039685 6.70864 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 38, a(1) = 462, a(2) = 538\}$ ,  
ogf]  
A039685 9.23425 [ $-(-19*x^3-443*x^2-307*x-231)/(-19*x^4-212*x^3+212*x+19)$  lgdogf]  
A039690 7.13259 [ $-(25*x^8+50*x^7+30*x^6+15*x^5+20*x^4+10*x^3+5*x^2+2*x+1)/$   
 $(10*x^5-1)$  ogf]  
A039717 13.7716 [ $-(x-1)/(5*x^2-5*x+1)$  ogf]  
A039717 14.1165  $-1/2*(-1-5*x+(x+1)*(1+5*x))^{(1/2)}/(1+5*x)$  revogf  
A039717 17.3431  $-(4-10*x+5*x^2)/(x-1)/(5*x^2-5*x+1)$  lgdogf  
A039717 7.55756 [ $\{-a(n+2)+5*a(n+1)-5*a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A039717 9.38970 [ $-(-5*x^2+10*x-4)/(-5*x^3+10*x^2-6*x+1)$  lgdogf]  
A039720 10.8812 [ $2*(x^4-6*x^2-4*x-3)/(x-1)^3/(x+1)^3$  ogf]  
A039720 12.9463  $-2*(-2-15*x+x^5-10*x^3-10*x^2)/(x-1)/(x+1)/(-3+x^4-6*x^2-4*x)$   
lgdogf  
A039720 6.88214 [ $\{(n+6)*a(n+1)+(-n-2)*a(n+3), a(0) = 6, a(1) = 8, a(2) = 30\}$ ,  
ogf]  
A039720 8.13343 [ $-(2*x^5-20*x^3-20*x^2-30*x-4)/(x^6-7*x^4-4*x^3+3*x^2+4*x+3)$   
lgdogf]  
A039723 6.05272 [ $-x*(200*x^19-181*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/$   
 $(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A039746 11.7996  $x*(86*x^2+259*x^3+1+311*x^4+14*x)/(1+6*x)^5$  revogf  
A039799 6.72732 [ $-x^3*(x^11-x^10-x^8+2*x^7-3*x^6+3*x^5-2*x^4-x^2+x-1)/(x-1)^2$   
ogf]  
A039823 13.2377  $-(2+x^6-2*x^5+2*x^2+3*x^4)/(x-1)/(x^2+1)/(x^4-2*x^3+2*x^2-x+1)$   
lgdogf  
A039823 8.99904 [ $-(x^4-2*x^3+2*x^2-x+1)/(x^2+1)/(x-1)^3$  ogf]  
A039824 8.09517 [ $-(2*x^8-4*x^7+2*x^6-3*x^4+4*x^3+x^2-x+1)/(x-1)^3$  ogf]  
A039824 8.18331  $(-2+10*x^8-32*x^7+34*x^6-12*x^5-3*x^4+12*x^3-13*x^2)/(x-1)/$   
 $(2*x^8-4*x^7+2*x^6-3*x^4+4*x^3+x^2-x+1)$  lgdogf  
A039825 7.52959 [ $-(2*x^4-4*x^3+4*x^2-3*x+2)/(x^2+1)/(x-1)^3$  ogf]  
A039825 8.77697  $-(3-2*x+2*x^6-4*x^5+6*x^4-4*x^3+5*x^2)/(x-1)/(1+x^2)/$   
 $(2*x^4-4*x^3+4*x^2-3*x+2)$  lgdogf  
A039827 6.82825 [ $-(x^10-2*x^9+x^8+2*x^7-4*x^6+x^5+2*x^3-x+1)/(x-1)^3$  ogf]  
A039827 7.07173  $(-2-22*x^9+2*x-26*x^6+23*x^8-6*x^2-5*x^4+26*x^5+7*x^10)/(x-1)/$   
 $(x^10-2*x^9+x^8+2*x^7-4*x^6+x^5+2*x^3-x+1)$  lgdogf  
A039830 5.20206 [ $-(x^8-2*x^7+5*x^6-6*x^5+6*x^4-2*x^3+4*x^2-2*x+2)/(x^2+1)^3/$   
 $(x-1)^3$  ogf]  
A039830 6.57202  $-(4-8*x-2*x^9+8*x^8-8*x^7+7*x^6+18*x^5-2*x^4+x^10-8*x^3+26*x^2)/$   
 $(x-1)/(x^2+1)/(x^8-2*x^7+5*x^6-6*x^5+6*x^4-2*x^3+4*x^2-2*x+2)$  lgdogf  
A039834 11.4125 [ $-(-2*x^2-2*x-1)/(-2*x^3+x^2+3*x+1)$  lgdogf]  
A039834 16.2311 [ $-(2*x+1)/(x^2-x-1)$  ogf]  
A039834 20.6771  $1/2/(x+2)*(-1+x+(x+1)*(1+5*x))^{(1/2)}$  revogf  
A039834 24.5541  $-(1+2*x+2*x^2)/(2*x+1)/(x^2-x-1)$  lgdogf  
A039834 8.90729 [ $\{a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A039835 6.53983 [ $(2*x^4+9*x^3-161*x^2-9*x-1)/(x-1)/(x^2+18*x+1)/(x^2-18*x+1)$   
ogf]  
A039919 4.68454 [ $\{(-5*n^2-25*n-30)*a(n+1)+(6*n^2+34*n+48)*a(n+2)+(-$   
 $n^2-7*n-10)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 5\}$ , ogf]  
A039919 8.40776  
 $-1/2*(3*x-3+4*(5*x-1)^{(1/2)}*(x-1)^{(1/2)}*x-3*(5*x-1)^{(1/2)}*(x-1)^{(1/2)})/$   
 $(5*x-1)^{(1/2)}/(x-1)^{(3/2)}/x$  lgdogf  
A039988 5.02132 [ $-(1000*x^7+1000*x^6-100*x^4-1221*x^3-1111*x^2-111*x-11)/(x-1)/$   
 $(x+1)/(x^2+1)/(1000*x^4-1)$  ogf]  
A040000 13.7680 [ $\{a(n+2)-a(n+1), a(0) = 1, a(1) = 2\}$ , ogf]  
A040000 26.7917 [ $-(x+1)/(x-1)$  ogf]  
A040000 30.3962  $-1/2*x-1/2+1/2*(x^2+6*x+1)^{(1/2)}$  revogf  
A040000 30.9779  $[2/(-x^2+1)$  lgdogf]  
A040000 47.1074  $[[2-x]$  ogf\_with\_Euler\_transform]  
A040000 69.4770  $-2/(x-1)/(x+1)$  lgdogf  
A040001 11.5317 [ $\{-a(n+3)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A040001 15.1353 [ $-(x^2+4*x+1)/(x^4+x^3-x-1)$  lgdogf]  
A040001 19.7686 [ $-(x^2+x+1)/(x-1)/(x+1)$  ogf]

A040001 27.9447  $-(1+4*x+x^2)/(x-1)/(1+x)/(x^2+x+1)$  lgdogf  
A040001 38.6648  $[-x^2+x+1$  ogf\_with\_Euler\_transform]  
A040002 10.0706  $[{a(n+2)-a(n+1), a(0) = 2, a(1) = 4}]$ , ogf]  
A040002 19.5969  $[-2*(x+1)/(x-1)$  ogf]  
A040002 21.4396  $-1/4*x-1/2+1/4*(x^2+12*x+4)^(1/2)$  revogf  
A040002 22.6589  $[2/(-x^2+1)$  lgdogf]  
A040002 34.4302  $[[2-x]$  ogf\_with\_Euler\_transform]  
A040002 47.1671  $-2/(-1+x)/(x+1)$  lgdogf  
A040003 11.3294  $[-(x^2+4*x+1)/(x^4+x^3-x-1)$  lgdogf]  
A040003 14.7976  $[-2*(x^2+x+1)/(x-1)/(x+1)$  ogf]  
A040003 20.2145  $-(1+4*x+x^2)/(-1+x)/(x+1)/(x^2+x+1)$  lgdogf  
A040003 28.9214  $[-x^2+x+1$  ogf\_with\_Euler\_transform]  
A040003 8.63195  $[{-a(n+3)+a(n+1), a(0) = 2, a(1) = 2, a(2) = 4}]$ , ogf]  
A040005 11.3294  $[-(x^2+8*x+1)/(2*x^4+x^3-x-2)$  lgdogf]  
A040005 14.7976  $[-(2*x^2+x+2)/(x-1)/(x+1)$  ogf]  
A040005 19.1218  $-(1+8*x+x^2)/(-1+x)/(x+1)/(2*x^2+x+2)$  lgdogf  
A040005 8.63195  $[{-a(n+3)+a(n+1), a(0) = 2, a(1) = 1, a(2) = 4}]$ , ogf]  
A040006 10.0706  $[{a(n+2)-a(n+1), a(0) = 3, a(1) = 6}]$ , ogf]  
A040006 19.5969  $[-3*(x+1)/(x-1)$  ogf]  
A040006 21.4396  $-1/6*x-1/2+1/6*(x^2+18*x+9)^(1/2)$  revogf  
A040006 22.6589  $[2/(-x^2+1)$  lgdogf]  
A040006 34.4302  $[[2-x]$  ogf\_with\_Euler\_transform]  
A040006 47.1671  $-2/(-1+x)/(x+1)$  lgdogf  
A040007 11.1605  $[-(x^2+4*x+1)/(x^4+x^3-x-1)$  lgdogf]  
A040007 14.5770  $[-3*(x^2+x+1)/(x-1)/(x+1)$  ogf]  
A040007 19.9069  $-(1+4*x+x^2)/(-1+x)/(x+1)/(x^2+x+1)$  lgdogf  
A040007 28.4888  $[-x^2+x+1$  ogf\_with\_Euler\_transform]  
A040007 8.50323  $[{-a(n+3)+a(n+1), a(0) = 3, a(1) = 3, a(2) = 6}]$ , ogf]  
A040008 11.1551  $[-(2*x^2+12*x+2)/(3*x^4+2*x^3-2*x-3)$  lgdogf]  
A040008 14.7976  $[-(3*x^2+2*x+3)/(x-1)/(x+1)$  ogf]  
A040008 17.2563  $-2*(1+6*x+x^2)/(-1+x)/(x+1)/(3*x^2+2*x+3)$  lgdogf  
A040008 8.63195  $[{-a(n+3)+a(n+1), a(0) = 3, a(1) = 2, a(2) = 6}]$ , ogf]  
A040011 11.1551  $[-(x^2+12*x+1)/(3*x^4+x^3-x-3)$  lgdogf]  
A040011 14.7976  $[-(3*x^2+x+3)/(x-1)/(x+1)$  ogf]  
A040011 18.6186  $-(1+12*x+x^2)/(-1+x)/(x+1)/(3*x^2+x+3)$  lgdogf  
A040011 8.63195  $[{-a(n+3)+a(n+1), a(0) = 3, a(1) = 1, a(2) = 6}]$ , ogf]  
A040012 10.0706  $[{a(n+2)-a(n+1), a(0) = 4, a(1) = 8}]$ , ogf]  
A040012 19.5969  $[-4*(x+1)/(x-1)$  ogf]  
A040012 20.8090  $-1/8*x-1/2+1/8*(x^2+24*x+16)^(1/2)$  revogf  
A040012 22.6589  $[2/(-x^2+1)$  lgdogf]  
A040012 34.4302  $[[2-x]$  ogf\_with\_Euler\_transform]  
A040012 47.1671  $-2/(-1+x)/(x+1)$  lgdogf  
A040013 11.1605  $[-(x^2+4*x+1)/(x^4+x^3-x-1)$  lgdogf]  
A040013 14.5770  $[-4*(x^2+x+1)/(x-1)/(x+1)$  ogf]  
A040013 19.9069  $-(1+4*x+x^2)/(-1+x)/(x+1)/(x^2+x+1)$  lgdogf  
A040013 28.4888  $[-x^2+x+1$  ogf\_with\_Euler\_transform]  
A040013 8.50323  $[{-a(n+3)+a(n+1), a(0) = 4, a(1) = 4, a(2) = 8}]$ , ogf]  
A040015 11.3294  $[-(x^2+8*x+1)/(2*x^4+x^3-x-2)$  lgdogf]  
A040015 14.7976  $[-2*(2*x^2+x+2)/(x-1)/(x+1)$  ogf]  
A040015 19.1218  $-(1+8*x+x^2)/(-1+x)/(x+1)/(2*x^2+x+2)$  lgdogf  
A040015 8.63195  $[{-a(n+3)+a(n+1), a(0) = 4, a(1) = 2, a(2) = 8}]$ , ogf]  
A040019 11.1551  $[-(x^2+16*x+1)/(4*x^4+x^3-x-4)$  lgdogf]  
A040019 14.7976  $[-(4*x^2+x+4)/(x-1)/(x+1)$  ogf]  
A040019 18.6186  $-(1+16*x+x^2)/(-1+x)/(x+1)/(4*x^2+x+4)$  lgdogf  
A040019 8.63195  $[{-a(n+3)+a(n+1), a(0) = 4, a(1) = 1, a(2) = 8}]$ , ogf]  
A040020 18.0871  $[-5*(x+1)/(x-1)$  ogf]  
A040020 18.1443  $-1/10*x-1/2+1/10*(x^2+30*x+25)^(1/2)$  revogf  
A040020 20.9132  $[2/(-x^2+1)$  lgdogf]  
A040020 31.7219  $[[2-x]$  ogf\_with\_Euler\_transform]  
A040020 46.6568  $-2/(x-1)/(x+1)$  lgdogf  
A040020 9.16745  $[{a(n+2)-a(n+1), a(0) = 5, a(1) = 10}]$ , ogf]

A040021 10.9324  $[-(x^2+4x+1)/(x^4+x^3-x-1) \text{ lgdogf}]$   
A040021 14.2790  $[-5*(x^2+x+1)/(x-1)/(x+1) \text{ ogf}]$   
A040021 20.0857  $-(1+4*x+x^2)/(x-1)/(x+1)/(x^2+x+1) \text{ lgdogf}$   
A040021 27.8849  $[-x^2+x+1 \text{ ogf\_with\_Euler\_transform}]$   
A040021 8.23144  $[{-a(n+3)+a(n+1), a(0) = 5, a(1) = 5, a(2) = 10}, \text{ ogf}]$   
A040022 11.0232  $[-(5*x^2+8*x+5)*(x^2-x+1)/(x-1)/(x+1)/(x^2+1) \text{ ogf}]$   
A040022 8.42584  $-(3+4*x+3*x^6+4*x^5+9*x^4+40*x^3+9*x^2)/(x-1)/(x+1)/(x^2+1)/(5*x^2+8*x+5)/(x^2-x+1) \text{ lgdogf}$   
A040024 10.7642  $[-(2*x^2+20*x+2)/(5*x^4+2*x^3-2*x-5) \text{ lgdogf}]$   
A040024 14.2790  $[-(5*x^2+2*x+5)/(x-1)/(x+1) \text{ ogf}]$   
A040024 16.6564  $-2*(1+10*x+x^2)/(x-1)/(x+1)/(5*x^2+2*x+5) \text{ lgdogf}$   
A040024 8.23144  $[{-a(n+3)+a(n+1), a(0) = 5, a(1) = 2, a(2) = 10}, \text{ ogf}]$   
A040029 10.7642  $[-(x^2+20*x+1)/(5*x^4+x^3-x-5) \text{ lgdogf}]$   
A040029 14.2790  $[-(5*x^2+x+5)/(x-1)/(x+1) \text{ ogf}]$   
A040029 18.4571  $-(1+20*x+x^2)/(x-1)/(x+1)/(5*x^2+x+5) \text{ lgdogf}$   
A040029 8.23144  $[{-a(n+3)+a(n+1), a(0) = 5, a(1) = 1, a(2) = 10}, \text{ ogf}]$   
A040030 18.0871  $[-6*(x+1)/(x-1) \text{ ogf}]$   
A040030 18.1443  $-1/2-1/12*x+1/12*(36+36*x+x^2)^(1/2) \text{ revogf}$   
A040030 20.9132  $[2/(-x^2+1) \text{ lgdogf}]$   
A040030 31.7219  $[[2-x] \text{ ogf\_with\_Euler\_transform}]$   
A040030 46.6568  $-2/(x-1)/(x+1) \text{ lgdogf}$   
A040030 9.16745  $[{a(n+2)-a(n+1), a(0) = 6, a(1) = 12}, \text{ ogf}]$   
A040031 10.9324  $[-(x^2+4*x+1)/(x^4+x^3-x-1) \text{ lgdogf}]$   
A040031 14.2790  $[-6*(x^2+x+1)/(x-1)/(x+1) \text{ ogf}]$   
A040031 20.0857  $-(1+4*x+x^2)/(x-1)/(x+1)/(x^2+x+1) \text{ lgdogf}$   
A040031 27.8849  $[-x^2+x+1 \text{ ogf\_with\_Euler\_transform}]$   
A040031 8.23144  $[{-a(n+3)+a(n+1), a(0) = 6, a(1) = 6, a(2) = 12}, \text{ ogf}]$   
A040032 10.7642  $[-(2*x^2+12*x+2)/(3*x^4+2*x^3-2*x-3) \text{ lgdogf}]$   
A040032 14.2790  $[-2*(3*x^2+2*x+3)/(x-1)/(x+1) \text{ ogf}]$   
A040032 17.0728  $-2*(1+6*x+x^2)/(x-1)/(x+1)/(3*x^2+2*x+3) \text{ lgdogf}$   
A040032 8.23144  $[{-a(n+3)+a(n+1), a(0) = 6, a(1) = 4, a(2) = 12}, \text{ ogf}]$   
A040033 10.9324  $[-(x^2+8*x+1)/(2*x^4+x^3-x-2) \text{ lgdogf}]$   
A040033 14.2790  $[-3*(2*x^2+x+2)/(x-1)/(x+1) \text{ ogf}]$   
A040033 18.9698  $-(1+8*x+x^2)/(x-1)/(x+1)/(2*x^2+x+2) \text{ lgdogf}$   
A040033 8.23144  $[{-a(n+3)+a(n+1), a(0) = 6, a(1) = 3, a(2) = 12}, \text{ ogf}]$   
A040035 10.7642  $[-(x^2+12*x+1)/(3*x^4+x^3-x-3) \text{ lgdogf}]$   
A040035 14.2790  $[-2*(3*x^2+x+3)/(x-1)/(x+1) \text{ ogf}]$   
A040035 18.4571  $-(1+12*x+x^2)/(x-1)/(x+1)/(3*x^2+x+3) \text{ lgdogf}$   
A040035 8.23144  $[{-a(n+3)+a(n+1), a(0) = 6, a(1) = 2, a(2) = 12}, \text{ ogf}]$   
A040037 7.54564  $[-(6*x^8+x^7+x^6+x^5+2*x^4+x^3+x^2+x+6)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \text{ ogf}]$   
A040041 10.7642  $[-(x^2+24*x+1)/(6*x^4+x^3-x-6) \text{ lgdogf}]$   
A040041 14.2790  $[-(6*x^2+x+6)/(x-1)/(x+1) \text{ ogf}]$   
A040041 18.4571  $-(1+24*x+x^2)/(x-1)/(x+1)/(6*x^2+x+6) \text{ lgdogf}$   
A040041 8.23144  $[{-a(n+3)+a(n+1), a(0) = 6, a(1) = 1, a(2) = 12}, \text{ ogf}]$   
A040042 18.0871  $[-7*(x+1)/(x-1) \text{ ogf}]$   
A040042 18.1443  $-1/14*x-1/2+1/14*(x^2+42*x+49)^(1/2) \text{ revogf}$   
A040042 20.9132  $[2/(-x^2+1) \text{ lgdogf}]$   
A040042 31.7219  $[[2-x] \text{ ogf\_with\_Euler\_transform}]$   
A040042 46.6568  $-2/(x-1)/(x+1) \text{ lgdogf}$   
A040042 9.16745  $[{a(n+2)-a(n+1), a(0) = 7, a(1) = 14}, \text{ ogf}]$   
A040043 10.9324  $[-(x^2+4*x+1)/(x^4+x^3-x-1) \text{ lgdogf}]$   
A040043 14.2790  $[-7*(x^2+x+1)/(x-1)/(x+1) \text{ ogf}]$   
A040043 20.0857  $-(1+4*x+x^2)/(x-1)/(x+1)/(x^2+x+1) \text{ lgdogf}$   
A040043 27.8849  $[-x^2+x+1 \text{ ogf\_with\_Euler\_transform}]$   
A040043 8.23144  $[{-a(n+3)+a(n+1), a(0) = 7, a(1) = 7, a(2) = 14}, \text{ ogf}]$   
A040048 10.7642  $[-(2*x^2+28*x+2)/(7*x^4+2*x^3-2*x-7) \text{ lgdogf}]$   
A040048 14.2790  $[-(7*x^2+2*x+7)/(x-1)/(x+1) \text{ ogf}]$   
A040048 16.6564  $-2*(1+14*x+x^2)/(x-1)/(x+1)/(7*x^2+2*x+7) \text{ lgdogf}$   
A040048 8.23144  $[{-a(n+3)+a(n+1), a(0) = 7, a(1) = 2, a(2) = 14}, \text{ ogf}]$   
A040052 11.0232  $[-(7*x^4+x^3+2*x^2+x+7)/(x-1)/(x+1)/(x^2+1) \text{ ogf}]$

A040052 8.85247  $-(1+4*x+x^6+4*x^5+3*x^4+56*x^3+3*x^2)/(x-1)/(x+1)/(x^2+1)/(7*x^4+x^3+2*x^2+x+7)$  lgdogf  
A040055 10.7642  $[-(x^2+28*x+1)/(7*x^4+x^3-x-7)$  lgdogf]  
A040055 14.2790  $[-(7*x^2+x+7)/(x-1)/(x+1)$  ogf]  
A040055 18.4571  $-(1+28*x+x^2)/(x-1)/(x+1)/(7*x^2+x+7)$  lgdogf  
A040055 8.23144  $[{-a(n+3)+a(n+1), a(0) = 7, a(1) = 1, a(2) = 14}]$ , ogf]  
A040056 18.0871  $[ -8*(x+1)/(x-1)$  ogf]  
A040056 18.1443  $-1/16*x-1/2+1/16*(x^2+48*x+64)^(1/2)$  revogf  
A040056 20.9132  $[2/(-x^2+1)$  lgdogf]  
A040056 31.7219  $[[2-x]$  ogf\_with\_Euler\_transform]  
A040056 46.6568  $-2/(x-1)/(x+1)$  lgdogf  
A040056 9.16745  $[{a(n+2)-a(n+1), a(0) = 8, a(1) = 16}]$ , ogf]  
A040057 10.9324  $[-(x^2+4*x+1)/(x^4+x^3-x-1)$  lgdogf]  
A040057 14.2790  $[ -8*(x^2+x+1)/(x-1)/(x+1)$  ogf]  
A040057 20.0857  $-(1+4*x+x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A040057 27.8849  $[-x^2+x+1$  ogf\_with\_Euler\_transform]  
A040057 8.23144  $[{-a(n+3)+a(n+1), a(0) = 8, a(1) = 8, a(2) = 16}]$ , ogf]  
A040059 10.9324  $[-(x^2+8*x+1)/(2*x^4+x^3-x-2)$  lgdogf]  
A040059 14.2790  $[ -4*(2*x^2+x+2)/(x-1)/(x+1)$  ogf]  
A040059 18.9698  $-(1+8*x+x^2)/(x-1)/(x+1)/(2*x^2+x+2)$  lgdogf  
A040059 8.23144  $[{-a(n+3)+a(n+1), a(0) = 8, a(1) = 4, a(2) = 16}]$ , ogf]  
A040063 10.7642  $[-(x^2+16*x+1)/(4*x^4+x^3-x-4)$  lgdogf]  
A040063 14.2790  $[ -2*(4*x^2+x+4)/(x-1)/(x+1)$  ogf]  
A040063 18.4571  $-(1+16*x+x^2)/(x-1)/(x+1)/(4*x^2+x+4)$  lgdogf  
A040063 8.23144  $[{-a(n+3)+a(n+1), a(0) = 8, a(1) = 2, a(2) = 16}]$ , ogf]  
A040071 10.7642  $[-(x^2+32*x+1)/(8*x^4+x^3-x-8)$  lgdogf]  
A040071 14.2790  $[ -(8*x^2+x+8)/(x-1)/(x+1)$  ogf]  
A040071 18.4571  $-(1+32*x+x^2)/(x-1)/(x+1)/(8*x^2+x+8)$  lgdogf  
A040071 8.23144  $[{-a(n+3)+a(n+1), a(0) = 8, a(1) = 1, a(2) = 16}]$ , ogf]  
A040072 18.0871  $[ -9*(x+1)/(x-1)$  ogf]  
A040072 18.1443  $-1/2-1/18*x+1/18*(81+54*x+x^2)^(1/2)$  revogf  
A040072 20.9132  $[2/(-x^2+1)$  lgdogf]  
A040072 31.7219  $[[2-x]$  ogf\_with\_Euler\_transform]  
A040072 46.6568  $-2/(x-1)/(x+1)$  lgdogf  
A040072 9.16745  $[{a(n+2)-a(n+1), a(0) = 9, a(1) = 18}]$ , ogf]  
A040073 10.9324  $[-(x^2+4*x+1)/(x^4+x^3-x-1)$  lgdogf]  
A040073 14.2790  $[ -9*(x^2+x+1)/(x-1)/(x+1)$  ogf]  
A040073 20.0857  $-(1+4*x+x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A040073 27.8849  $[-x^2+x+1$  ogf\_with\_Euler\_transform]  
A040073 8.23144  $[{-a(n+3)+a(n+1), a(0) = 9, a(1) = 9, a(2) = 18}]$ , ogf]  
A040074 10.7642  $[-(2*x^2+12*x+2)/(3*x^4+2*x^3-2*x-3)$  lgdogf]  
A040074 14.2790  $[ -3*(3*x^2+2*x+3)/(x-1)/(x+1)$  ogf]  
A040074 17.0728  $-2*(1+6*x+x^2)/(x-1)/(x+1)/(3*x^2+2*x+3)$  lgdogf  
A040074 8.23144  $[{-a(n+3)+a(n+1), a(0) = 9, a(1) = 6, a(2) = 18}]$ , ogf]  
A040075 18.7835  $[20/(-4*x+1)$  lgdogf]  
A040075 44.4120  $-20/(-1+4*x)$  lgdogf  
A040075 5.13888  $[{(-n-2)*a(n+2)+(24+4*n)*a(n+1), a(0) = 1, a(1) = 20}]$ , ogf]  
A040075 8.51127  $[ -1/(4*x-1)^5$  ogf]  
A040077 10.7642  $[-(x^2+12*x+1)/(3*x^4+x^3-x-3)$  lgdogf]  
A040077 14.2790  $[ -3*(3*x^2+x+3)/(x-1)/(x+1)$  ogf]  
A040077 18.4571  $-(1+12*x+x^2)/(x-1)/(x+1)/(3*x^2+x+3)$  lgdogf  
A040077 8.23144  $[{-a(n+3)+a(n+1), a(0) = 9, a(1) = 3, a(2) = 18}]$ , ogf]  
A040080 10.7642  $[-(2*x^2+36*x+2)/(9*x^4+2*x^3-2*x-9)$  lgdogf]  
A040080 14.2790  $[ -(9*x^2+2*x+9)/(x-1)/(x+1)$  ogf]  
A040080 16.6564  $-2*(1+18*x+x^2)/(x-1)/(x+1)/(9*x^2+2*x+9)$  lgdogf  
A040080 8.23144  $[{-a(n+3)+a(n+1), a(0) = 9, a(1) = 2, a(2) = 18}]$ , ogf]  
A040090 10.7497  $[{a(n+2)-a(n+1), a(0) = 10, a(1) = 20}]$ , ogf]  
A040090 20.3969  $[ -10*(x+1)/(x-1)$  ogf]  
A040090 21.0516  $-1/20*x-1/2+1/20*(x^2+60*x+100)^(1/2)$  revogf  
A040090 24.8588  $[2/(-x^2+1)$  lgdogf]  
A040090 37.7338  $[[2-x]$  ogf\_with\_Euler\_transform]

A040090 55.6363  $-2/(x-1)/(x+1)$  lgdogf  
A040091 10.2841  $[-(x^2+4*x+1)/(x^4+x^3-x-1)$  lgdogf]  
A040091 12.6573  $[-10*(x^2+x+1)/(x-1)/(x+1)$  ogf]  
A040091 18.3493  $-(1+4*x+x^2)/(-1+x)/(x+1)/(x^2+x+1)$  lgdogf  
A040091 26.2039  $[-x^2+x+1$  ogf\_with\_Euler\_transform]  
A040091 7.56531  $[{-a(n+3)+a(n+1), a(0) = 10, a(1) = 10, a(2) = 20},$  ogf]  
A040093 10.9978  $[-(x^2+8*x+1)/(2*x^4+x^3-x-2)$  lgdogf]  
A040093 13.8012  $[-5*(2*x^2+x+2)/(x-1)/(x+1)$  ogf]  
A040093 19.0862  $-(1+8*x+x^2)/(x-1)/(x+1)/(2*x^2+x+2)$  lgdogf  
A040093 8.18443  $[{-a(n+3)+a(n+1), a(0) = 10, a(1) = 5, a(2) = 20},$  ogf]  
A040094 10.8286  $[-(2*x^2+20*x+2)/(5*x^4+2*x^3-2*x-5)$  lgdogf]  
A040094 13.8012  $[-2*(5*x^2+2*x+5)/(x-1)/(x+1)$  ogf]  
A040094 16.7586  $-2*(1+10*x+x^2)/(x-1)/(x+1)/(5*x^2+2*x+5)$  lgdogf  
A040094 8.18443  $[{-a(n+3)+a(n+1), a(0) = 10, a(1) = 4, a(2) = 20},$  ogf]  
A040099 10.8286  $[-(x^2+20*x+1)/(5*x^4+x^3-x-5)$  lgdogf]  
A040099 13.8012  $[-2*(5*x^2+x+5)/(x-1)/(x+1)$  ogf]  
A040099 18.5703  $-(1+20*x+x^2)/(x-1)/(x+1)/(5*x^2+x+5)$  lgdogf  
A040099 8.18443  $[{-a(n+3)+a(n+1), a(0) = 10, a(1) = 2, a(2) = 20},$  ogf]  
A040109 10.5054  $[-(x^2+40*x+1)/(10*x^4+x^3-x-10)$  lgdogf]  
A040109 13.8012  $[-(10*x^2+x+10)/(x-1)/(x+1)$  ogf]  
A040109 17.6180  $-(1+40*x+x^2)/(x-1)/(x+1)/(10*x^2+x+10)$  lgdogf  
A040109 8.18443  $[{-a(n+3)+a(n+1), a(0) = 10, a(1) = 1, a(2) = 20},$  ogf]  
A040110 16.8765  $[-11*(x+1)/(x-1)$  ogf]  
A040110 17.3575  $-1/2-1/22*x+1/22*(121+66*x+x^2)^{(1/2)}$  revogf  
A040110 20.5682  $[2/(-x^2+1)$  lgdogf]  
A040110 31.1951  $[[2-x]$  ogf\_with\_Euler\_transform]  
A040110 42.8151  $-2/(-1+x)/(x+1)$  lgdogf  
A040110 8.89435  $[{a(n+2)-a(n+1), a(0) = 11, a(1) = 22},$  ogf]  
A040111 10.2841  $[-(x^2+4*x+1)/(x^4+x^3-x-1)$  lgdogf]  
A040111 12.6573  $[-11*(x^2+x+1)/(x-1)/(x+1)$  ogf]  
A040111 18.3493  $-(1+4*x+x^2)/(-1+x)/(x+1)/(x^2+x+1)$  lgdogf  
A040111 26.2039  $[-x^2+x+1$  ogf\_with\_Euler\_transform]  
A040111 7.56531  $[{-a(n+3)+a(n+1), a(0) = 11, a(1) = 11, a(2) = 22},$  ogf]  
A040118 10.6539  $-2*(1+2*x+x^4+2*x^3+33*x^2)/(x-1)/(x+1)/(x^2+x+1)/(11*x^2-9*x$   
 $+11)$  lgdogf  
A040118 12.0254  $[-(x+1)*(11*x^2-9*x+11)/(x-1)/(x^2+x+1)$  ogf]  
A040118 7.23980  $[{-a(n+4)+a(n+1), a(0) = 11, a(1) = 2, a(2) = 2, a(3) = 22},$   
ogf]  
A040120 10.5054  $[-(2*x^2+44*x+2)/(11*x^4+2*x^3-2*x-11)$  lgdogf]  
A040120 13.8012  $[-(11*x^2+2*x+11)/(x-1)/(x+1)$  ogf]  
A040120 15.9791  $-2*(1+22*x+x^2)/(x-1)/(x+1)/(11*x^2+2*x+11)$  lgdogf  
A040120 8.18443  $[{-a(n+3)+a(n+1), a(0) = 11, a(1) = 2, a(2) = 22},$  ogf]  
A040131 10.5054  $[-(x^2+44*x+1)/(11*x^4+x^3-x-11)$  lgdogf]  
A040131 13.8012  $[-(11*x^2+x+11)/(x-1)/(x+1)$  ogf]  
A040131 17.6180  $-(1+44*x+x^2)/(x-1)/(x+1)/(11*x^2+x+11)$  lgdogf  
A040131 8.18443  $[{-a(n+3)+a(n+1), a(0) = 11, a(1) = 1, a(2) = 22},$  ogf]  
A040132 16.8765  $[-12*(x+1)/(x-1)$  ogf]  
A040132 17.3575  $-1/2-1/24*x+1/24*(144+72*x+x^2)^{(1/2)}$  revogf  
A040132 20.5682  $[2/(-x^2+1)$  lgdogf]  
A040132 31.1951  $[[2-x]$  ogf\_with\_Euler\_transform]  
A040132 42.8151  $-2/(-1+x)/(x+1)$  lgdogf  
A040132 8.89435  $[{a(n+2)-a(n+1), a(0) = 12, a(1) = 24},$  ogf]  
A040133 10.2841  $[-(x^2+4*x+1)/(x^4+x^3-x-1)$  lgdogf]  
A040133 12.6573  $[-12*(x^2+x+1)/(x-1)/(x+1)$  ogf]  
A040133 18.3493  $-(1+4*x+x^2)/(-1+x)/(x+1)/(x^2+x+1)$  lgdogf  
A040133 26.2039  $[-x^2+x+1$  ogf\_with\_Euler\_transform]  
A040133 7.56531  $[{-a(n+3)+a(n+1), a(0) = 12, a(1) = 12, a(2) = 24},$  ogf]  
A040134 10.8286  $[-(2*x^2+12*x+2)/(3*x^4+2*x^3-2*x-3)$  lgdogf]  
A040134 13.8012  $[-4*(3*x^2+2*x+3)/(x-1)/(x+1)$  ogf]  
A040134 17.1776  $-2*(1+6*x+x^2)/(x-1)/(x+1)/(3*x^2+2*x+3)$  lgdogf  
A040134 8.18443  $[{-a(n+3)+a(n+1), a(0) = 12, a(1) = 8, a(2) = 24},$  ogf]

A040135 10.9978  $[-(x^2+8x+1)/(2x^4+x^3-x-2) \text{ lgdogf}]$   
A040135 13.8012  $[-6*(2x^2+x+2)/(x-1)/(x+1) \text{ ogf}]$   
A040135 19.0862  $-(1+8x+x^2)/(x-1)/(x+1)/(2x^2+x+2) \text{ lgdogf}$   
A040135 8.18443  $[-a(n+3)+a(n+1), a(0) = 12, a(1) = 6, a(2) = 24], \text{ ogf}]$   
A040137 10.8286  $[-(x^2+12x+1)/(3x^4+x^3-x-3) \text{ lgdogf}]$   
A040137 13.8012  $[-4*(3x^2+x+3)/(x-1)/(x+1) \text{ ogf}]$   
A040137 18.5703  $-(1+12x+x^2)/(x-1)/(x+1)/(3x^2+x+3) \text{ lgdogf}$   
A040137 8.18443  $[-a(n+3)+a(n+1), a(0) = 12, a(1) = 4, a(2) = 24], \text{ ogf}]$   
A040139 10.8286  $[-(x^2+16x+1)/(4x^4+x^3-x-4) \text{ lgdogf}]$   
A040139 13.8012  $[-3*(4x^2+x+4)/(x-1)/(x+1) \text{ ogf}]$   
A040139 18.5703  $-(1+16x+x^2)/(x-1)/(x+1)/(4x^2+x+4) \text{ lgdogf}$   
A040139 8.18443  $[-a(n+3)+a(n+1), a(0) = 12, a(1) = 3, a(2) = 24], \text{ ogf}]$   
A040142 10.5321  $[-2*(6x^4+x^3+2x^2+x+6)/(x-1)/(x+1)/(x^2+1) \text{ ogf}]$   
A040142 8.60680  $-(1+4x+x^6+4x^5+3x^4+48x^3+3x^2)/(-1+x)/(x+1)/(1+x^2)/$   
 $(6x^4+x^3+2x^2+x+6) \text{ lgdogf}$   
A040143 10.8286  $[-(x^2+24x+1)/(6x^4+x^3-x-6) \text{ lgdogf}]$   
A040143 13.8012  $[-2*(6x^2+x+6)/(x-1)/(x+1) \text{ ogf}]$   
A040143 18.5703  $-(1+24x+x^2)/(x-1)/(x+1)/(6x^2+x+6) \text{ lgdogf}$   
A040143 8.18443  $[-a(n+3)+a(n+1), a(0) = 12, a(1) = 2, a(2) = 24], \text{ ogf}]$   
A040151 8.63498  $[-(12x^6+x^5+4x^4+6x^3+4x^2+x+12)/(x-1)/(x+1)/(x^2+x+1)/$   
 $(x^2-x+1) \text{ ogf}]$   
A040155 10.5054  $[-(x^2+48x+1)/(12x^4+x^3-x-12) \text{ lgdogf}]$   
A040155 13.8012  $[-(12x^2+x+12)/(x-1)/(x+1) \text{ ogf}]$   
A040155 17.6180  $-(1+48x+x^2)/(x-1)/(x+1)/(12x^2+x+12) \text{ lgdogf}$   
A040155 8.18443  $[-a(n+3)+a(n+1), a(0) = 12, a(1) = 1, a(2) = 24], \text{ ogf}]$   
A040156 16.8765  $[-13*(x+1)/(x-1) \text{ ogf}]$   
A040156 17.3575  $-1/2-1/26x+1/26*(169+78x+x^2)^{(1/2)} \text{ revogf}$   
A040156 20.5682  $[2/(-x^2+1) \text{ lgdogf}]$   
A040156 31.1951  $[[2-x] \text{ ogf\_with\_Euler\_transform}]$   
A040156 42.8151  $-2/(-1+x)/(x+1) \text{ lgdogf}$   
A040156 8.89435  $[{a(n+2)-a(n+1), a(0) = 13, a(1) = 26}], \text{ ogf}]$   
A040157 10.2841  $[-(x^2+4x+1)/(x^4+x^3-x-1) \text{ lgdogf}]$   
A040157 12.6573  $[-13*(x^2+x+1)/(x-1)/(x+1) \text{ ogf}]$   
A040157 18.3493  $-(1+4x+x^2)/(-1+x)/(x+1)/(x^2+x+1) \text{ lgdogf}$   
A040157 26.2039  $[-x^2+x+1 \text{ ogf\_with\_Euler\_transform}]$   
A040157 7.56531  $[-a(n+3)+a(n+1), a(0) = 13, a(1) = 13, a(2) = 26], \text{ ogf}]$   
A040166 10.5321  $[-(13x^4+2x^3+2x^2+2x+13)/(x-1)/(x+1)/(x^2+1) \text{ ogf}]$   
A040166 7.82436  $-2*(1+2x+x^6+2x^5+3x^4+52x^3+3x^2)/(-1+x)/(x+1)/(1+x^2)/$   
 $(13x^4+2x^3+2x^2+2x+13) \text{ lgdogf}$   
A040168 10.5054  $[-(2x^2+52x+2)/(13x^4+2x^3-2x-13) \text{ lgdogf}]$   
A040168 13.8012  $[-(13x^2+2x+13)/(x-1)/(x+1) \text{ ogf}]$   
A040168 15.9791  $-2*(1+26x+x^2)/(x-1)/(x+1)/(13x^2+2x+13) \text{ lgdogf}$   
A040168 8.18443  $[-a(n+3)+a(n+1), a(0) = 13, a(1) = 2, a(2) = 26], \text{ ogf}]$   
A040181 10.5054  $[-(x^2+52x+1)/(13x^4+x^3-x-13) \text{ lgdogf}]$   
A040181 13.8012  $[-(13x^2+x+13)/(x-1)/(x+1) \text{ ogf}]$   
A040181 17.6180  $-(1+52x+x^2)/(x-1)/(x+1)/(13x^2+x+13) \text{ lgdogf}$   
A040181 8.18443  $[-a(n+3)+a(n+1), a(0) = 13, a(1) = 1, a(2) = 26], \text{ ogf}]$   
A040182 17.6496  $[-14*(x+1)/(x-1) \text{ ogf}]$   
A040182 18.1685  $-1/28x-1/2+1/28*(x^2+84x+196)^{(1/2)} \text{ revogf}$   
A040182 21.5105  $[2/(-x^2+1) \text{ lgdogf}]$   
A040182 32.6311  $[[2-x] \text{ ogf\_with\_Euler\_transform}]$   
A040182 48.0167  $-2/(x-1)/(x+1) \text{ lgdogf}$   
A040182 9.30182  $[{a(n+2)-a(n+1), a(0) = 14, a(1) = 28}], \text{ ogf}]$   
A040183 10.2841  $[-(x^2+4x+1)/(x^4+x^3-x-1) \text{ lgdogf}]$   
A040183 12.6573  $[-14*(x^2+x+1)/(x-1)/(x+1) \text{ ogf}]$   
A040183 18.3493  $-(1+4x+x^2)/(-1+x)/(x+1)/(x^2+x+1) \text{ lgdogf}$   
A040183 26.2039  $[-x^2+x+1 \text{ ogf\_with\_Euler\_transform}]$   
A040183 7.56531  $[-a(n+3)+a(n+1), a(0) = 14, a(1) = 14, a(2) = 28], \text{ ogf}]$   
A040185 12.8850  $[-(x^2+8x+1)/(2x^4+x^3-x-2) \text{ lgdogf}]$   
A040185 16.1694  $[-7*(2x^2+x+2)/(x-1)/(x+1) \text{ ogf}]$   
A040185 22.4270  $-(1+8x+x^2)/(x-1)/(x+1)/(2x^2+x+2) \text{ lgdogf}$

A040185 9.58885  $[ \{-a(n+3)+a(n+1), a(0) = 14, a(1) = 7, a(2) = 28\}, \text{ogf}]$   
A040187 9.32443  $[ -(x+1) * (14*x^6-10*x^5+11*x^4-9*x^3+11*x^2-10*x+14)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1) \text{ogf}]$   
A040188 12.6868  $[ -(2*x^2+28*x+2)/(7*x^4+2*x^3-2*x-7) \text{lgdogf}]$   
A040188 16.1694  $[ -2*(7*x^2+2*x+7)/(x-1)/(x+1) \text{ogf}]$   
A040188 19.6920  $-2*(1+14*x+x^2)/(x-1)/(x+1)/(7*x^2+2*x+7) \text{lgdogf}$   
A040188 9.58885  $[ \{-a(n+3)+a(n+1), a(0) = 14, a(1) = 4, a(2) = 28\}, \text{ogf}]$   
A040189 8.59288  $[ -(14*x^8+3*x^7+x^6+x^5+6*x^4+x^3+x^2+3*x+14)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \text{ogf}]$   
A040190 8.59288  $[ -(14*x^8+3*x^7+6*x^6+x^5+4*x^4+x^3+6*x^2+3*x+14)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \text{ogf}]$   
A040191 8.50717  $[ -(x^2-x+1) * (14*x^6+16*x^5+3*x^4-8*x^3+3*x^2+16*x+14)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \text{ogf}]$   
A040192 8.59288  $[ -(14*x^8+2*x^7+x^6+x^5+2*x^4+x^3+x^2+2*x+14)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \text{ogf}]$   
A040193 10.3308  $[ -(14*x^6+2*x^5+2*x^4+x^3+2*x^2+2*x+14)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) \text{ogf}]$   
A040194 8.59288  $[ -(14*x^8+2*x^7+5*x^6+3*x^5+2*x^4+3*x^3+5*x^2+2*x+14)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \text{ogf}]$   
A040195 12.6868  $[ -(x^2+28*x+1)/(7*x^4+x^3-x-7) \text{lgdogf}]$   
A040195 16.1694  $[ -2*(7*x^2+x+7)/(x-1)/(x+1) \text{ogf}]$   
A040195 21.8208  $-(1+28*x+x^2)/(x-1)/(x+1)/(7*x^2+x+7) \text{lgdogf}$   
A040195 9.58885  $[ \{-a(n+3)+a(n+1), a(0) = 14, a(1) = 2, a(2) = 28\}, \text{ogf}]$   
A040198 6.36640  $[ -(14*x^12+x^11+x^10+2*x^9+6*x^8+x^7+8*x^6+x^5+6*x^4+2*x^3+x^2+x+14)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1) \text{ogf}]$   
A040200 10.4124  $-(1+2*x+x^6+3*x^2+112*x^3+3*x^4+2*x^5)/(x-1)/(x+1)/(1+x^2)/(14*x^4+x^3+x^2+x+14) \text{lgdogf}$   
A040200 12.6973  $[ -(14*x^4+x^3+x^2+x+14)/(x-1)/(x+1)/(x^2+1) \text{ogf}]$   
A040201 10.3308  $[ -(14*x^6+x^5+2*x^4+3*x^3+2*x^2+x+14)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) \text{ogf}]$   
A040201 6.40909  $-(1+4*x^9+4*x+5*x^6+9*x^8+8*x^7+9*x^2+8*x^3+5*x^4+168*x^5+x^10)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(14*x^6+x^5+2*x^4+3*x^3+2*x^2+x+14) \text{lgdogf}$   
A040202 4.97347  $[ -(x^2-x+1) * (14*x^14+15*x^13+3*x^12-11*x^11-12*x^10+13*x^8+22*x^7+13*x^6-12*x^4-11*x^3+3*x^2+15*x+14)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1) \text{ogf}]$   
A040203 11.2547  $[ -(x+1) * (7*x^2+4*x+7) * (2*x^2-3*x+2)/(x-1)/(x^4+x^3+x^2+x+1) \text{ogf}]$   
A040203 7.65123  $-(1+6*x+6*x^7+9*x^6+4*x^5+9*x^2+4*x^3+140*x^4+x^8)/(x-1)/(x+1)/(7*x^2+4*x+7)/(2*x^2-3*x+2)/(x^4+x^3+x^2+x+1) \text{lgdogf}$   
A040204 10.1585  $-(1+6*x+x^6+3*x^2+112*x^3+3*x^4+6*x^5)/(x-1)/(x+1)/(1+x^2)/(14*x^4+x^3+3*x^2+x+14) \text{lgdogf}$   
A040204 12.6973  $[ -(14*x^4+x^3+3*x^2+x+14)/(x-1)/(x+1)/(x^2+1) \text{ogf}]$   
A040205 10.1585  $-(1+8*x+x^6+3*x^2+112*x^3+3*x^4+8*x^5)/(x-1)/(x+1)/(1+x^2)/(14*x^4+x^3+4*x^2+x+14) \text{lgdogf}$   
A040205 12.6973  $[ -(14*x^4+x^3+4*x^2+x+14)/(x-1)/(x+1)/(x^2+1) \text{ogf}]$   
A040206 10.3308  $[ -(x^2+1) * (14*x^4+x^3-8*x^2+x+14)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) \text{ogf}]$   
A040206 6.40909  $-(1+12*x^9+12*x+5*x^6+6*x^8+24*x^7+6*x^2+24*x^3+5*x^4+168*x^5+x^10)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(14*x^4+x^3-8*x^2+x+14)/(1+x^2) \text{lgdogf}$   
A040207 12.6973  $[ -(14*x^4+x^3+8*x^2+x+14)/(x-1)/(x+1)/(x^2+1) \text{ogf}]$   
A040207 9.91660  $-(1+16*x+x^6+3*x^2+112*x^3+3*x^4+16*x^5)/(x-1)/(x+1)/(1+x^2)/(14*x^4+x^3+8*x^2+x+14) \text{lgdogf}$   
A040208 12.1271  $[ -(14*x^2+15*x+14) * (x^2-x+1)/(x-1)/(x+1)/(x^2+1) \text{ogf}]$   
A040208 9.28012  $-(1+26*x+x^6+3*x^2+112*x^3+3*x^4+26*x^5)/(x-1)/(x+1)/(1+x^2)/(14*x^2+15*x+14)/(x^2-x+1) \text{lgdogf}$   
A040209 12.3081  $[ -(x^2+56*x+1)/(14*x^4+x^3-x-14) \text{lgdogf}]$   
A040209 16.1694  $[ -(14*x^2+x+14)/(x-1)/(x+1) \text{ogf}]$   
A040209 20.7018  $-(1+56*x+x^2)/(x-1)/(x+1)/(14*x^2+x+14) \text{lgdogf}$   
A040209 9.58885  $[ \{-a(n+3)+a(n+1), a(0) = 14, a(1) = 1, a(2) = 28\}, \text{ogf}]$

A040210 10.7497  $[ \{a(n+2)-a(n+1), a(0) = 15, a(1) = 30\}, \text{ogf}]$   
A040210 20.3969  $[ -15*(x+1)/(x-1) \text{ogf}]$   
A040210 21.0516  $-1/30*x-1/2+1/30*(x^2+90*x+225)^{(1/2)} \text{revogf}$   
A040210 24.8588  $[ 2/(-x^2+1) \text{lgdogf}]$   
A040210 37.7338  $[ [2-x] \text{ogf\_with\_Euler\_transform}]$   
A040210 55.6363  $-2/(x-1)/(x+1) \text{lgdogf}$   
A040211 12.4294  $[ -(x^2+4*x+1)/(x^4+x^3-x-1) \text{lgdogf}]$   
A040211 15.2977  $[ -15*(x^2+x+1)/(x-1)/(x+1) \text{ogf}]$   
A040211 22.9091  $-(1+4*x+x^2)/(x^2+x+1)/(x-1)/(x+1) \text{lgdogf}$   
A040211 31.6964  $[ -x^2+x+1 \text{ogf\_with\_Euler\_transform}]$   
A040211 9.14346  $[ \{-a(n+3)+a(n+1), a(0) = 15, a(1) = 15, a(2) = 30\}, \text{ogf}]$   
A040212 12.2382  $[ -(2*x^2+12*x+2)/(3*x^4+2*x^3-2*x-3) \text{lgdogf}]$   
A040212 15.2977  $[ -5*(3*x^2+2*x+3)/(x-1)/(x+1) \text{ogf}]$   
A040212 19.4727  $-2*(1+6*x+x^2)/(x-1)/(x+1)/(3*x^2+2*x+3) \text{lgdogf}$   
A040212 9.14346  $[ \{-a(n+3)+a(n+1), a(0) = 15, a(1) = 10, a(2) = 30\}, \text{ogf}]$   
A040213 11.2547  $[ -(x+1)*(15*x^4-8*x^3+9*x^2-8*x+15)/(x-1)/(x^4+x^3+x^2+x+1) \text{ogf}]$   
A040213 7.37797  $-(7+2*x+2*x^7+3*x^6+28*x^5+3*x^2+28*x^3+150*x^4+7*x^8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(15*x^4-8*x^3+9*x^2-8*x+15) \text{lgdogf}$   
A040214 12.6868  $[ -(2*x^2+20*x+2)/(5*x^4+2*x^3-2*x-5) \text{lgdogf}]$   
A040214 16.1694  $[ -3*(5*x^2+2*x+5)/(x-1)/(x+1) \text{ogf}]$   
A040214 19.6920  $-2*(1+10*x+x^2)/(x-1)/(x+1)/(5*x^2+2*x+5) \text{lgdogf}$   
A040214 9.58885  $[ \{-a(n+3)+a(n+1), a(0) = 15, a(1) = 6, a(2) = 30\}, \text{ogf}]$   
A040215 12.6868  $[ -(x^2+12*x+1)/(3*x^4+x^3-x-3) \text{lgdogf}]$   
A040215 16.1694  $[ -5*(3*x^2+x+3)/(x-1)/(x+1) \text{ogf}]$   
A040215 21.8208  $-(1+12*x+x^2)/(x-1)/(x+1)/(3*x^2+x+3) \text{lgdogf}$   
A040215 9.58885  $[ \{-a(n+3)+a(n+1), a(0) = 15, a(1) = 5, a(2) = 30\}, \text{ogf}]$   
A040216 10.3308  $[ -(15*x^6+4*x^5+3*x^4+7*x^3+3*x^2+4*x+15)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) \text{ogf}]$   
A040217 6.85686  $[ -(x+1)*(15*x^10-12*x^9+13*x^8-10*x^7+11*x^6-10*x^5+11*x^4-10*x^3+13*x^2-12*x+15)/(x-1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1) \text{ogf}]$   
A040218 8.59288  $[ -(15*x^8+3*x^7+2*x^6+x^5+2*x^4+x^3+2*x^2+3*x+15)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \text{ogf}]$   
A040219 12.6868  $[ -(x^2+20*x+1)/(5*x^4+x^3-x-5) \text{lgdogf}]$   
A040219 16.1694  $[ -3*(5*x^2+x+5)/(x-1)/(x+1) \text{ogf}]$   
A040219 21.8208  $-(1+20*x+x^2)/(x-1)/(x+1)/(5*x^2+x+5) \text{lgdogf}$   
A040219 9.58885  $[ \{-a(n+3)+a(n+1), a(0) = 15, a(1) = 3, a(2) = 30\}, \text{ogf}]$   
A040220 6.36640  $[ -(15*x^12+2*x^11+x^10+3*x^9+5*x^8+x^7+6*x^6+x^5+5*x^4+3*x^3+x^2+2*x+15)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) \text{ogf}]$   
A040221 7.15342  $[ -(15*x^10+2*x^9+x^8+x^7+7*x^6+10*x^5+7*x^4+x^3+x^2+2*x+15)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) \text{ogf}]$   
A040222 8.50717  $[ -(x^2+x+1)*(15*x^6-13*x^5+14*x^3-13*x+15)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \text{ogf}]$   
A040223 6.30482  $[ -(15*x^12+2*x^11+5*x^10+x^9+2*x^8+4*x^7+15*x^6+4*x^5+2*x^4+x^3+5*x^2+2*x+15)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) \text{ogf}]$   
A040224 12.3081  $[ -(2*x^2+60*x+2)/(15*x^4+2*x^3-2*x-15) \text{lgdogf}]$   
A040224 16.1694  $[ -(15*x^2+2*x+15)/(x-1)/(x+1) \text{ogf}]$   
A040224 18.7761  $-2*(1+30*x+x^2)/(x-1)/(x+1)/(15*x^2+2*x+15) \text{lgdogf}$   
A040224 9.58885  $[ \{-a(n+3)+a(n+1), a(0) = 15, a(1) = 2, a(2) = 30\}, \text{ogf}]$   
A040226 7.15342  $[ -(15*x^10+x^9+x^8+3*x^7+x^6+14*x^5+x^4+3*x^3+x^2+x+15)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) \text{ogf}]$   
A040227 7.15342  $[ -(15*x^10+x^9+x^8+2*x^7+3*x^6+15*x^5+3*x^4+2*x^3+x^2+x+15)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) \text{ogf}]$   
A040229 7.38431  $[ -(15*x^10+x^9+x^8+x^7+7*x^6+6*x^5+7*x^4+x^3+x^2+x+15)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) \text{ogf}]$   
A040230 7.15342  $[ -(15*x^10+x^9+2*x^8+5*x^7+x^6+14*x^5+x^4+5*x^3+2*x^2+x+15)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) \text{ogf}]$   
A040231 6.36640  $[ -(15*x^12+x^11+2*x^10+x^9+x^8+9*x^7+x^6+9*x^5+x^4+x^3+2*x^2+x$



+15)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) ogf]  
A040232 12.6973 [ -(3\*x^2-4\*x+3)\*(5\*x^2+7\*x+5)/(x-1)/(x+1)/(x^2+1) ogf]  
A040232 9.68598 -(1+4\*x+x^6+3\*x^2+120\*x^3+3\*x^4+4\*x^5)/(x-1)/(x+1)/(1+x^2)/  
(3\*x^2-4\*x+3)/(5\*x^2+7\*x+5) lgdogf  
A040233 4.94590 [ -  
(15\*x^16+x^15+3\*x^14+x^13+x^12+5\*x^11+x^10+3\*x^9+10\*x^8+3\*x^7+x^6+5\*x^5+x^4+x^3+  
3\*x^2+x+15)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1) ogf]  
A040234 9.32443 [ -(x+1)\*(15\*x^6-14\*x^5+18\*x^4-15\*x^3+18\*x^2-14\*x+15)/(x-1)/  
(x^6+x^5+x^4+x^3+x^2+x+1) ogf]  
A040236 12.6973 [ -(15\*x^4+x^3+6\*x^2+x+15)/(x-1)/(x+1)/(x^2+1) ogf]  
A040236 9.91660 -(1+12\*x+x^6+3\*x^2+120\*x^3+3\*x^4+12\*x^5)/(x-1)/(x+1)/(1+x^2)/  
(15\*x^4+x^3+6\*x^2+x+15) lgdogf  
A040238 12.1271 [ -(15\*x^2+16\*x+15)\*(x^2-x+1)/(x-1)/(x+1)/(x^2+1) ogf]  
A040238 9.28012 -(1+28\*x+x^6+3\*x^2+120\*x^3+3\*x^4+28\*x^5)/(x-1)/(x+1)/(1+x^2)/  
(15\*x^2+16\*x+15)/(x^2-x+1) lgdogf  
A040239 12.3081 [-(x^2+60\*x+1)/(15\*x^4+x^3-x-15) lgdogf]  
A040239 16.1694 [ -(15\*x^2+x+15)/(x-1)/(x+1) ogf]  
A040239 20.7018 -(1+60\*x+x^2)/(x-1)/(x+1)/(15\*x^2+x+15) lgdogf  
A040239 9.58885 [{-a(n+3)+a(n+1), a(0) = 15, a(1) = 1, a(2) = 30}, ogf]  
A040240 10.7497 [{a(n+2)-a(n+1), a(0) = 16, a(1) = 32}, ogf]  
A040240 20.3969 [ -16\*(x+1)/(x-1) ogf]  
A040240 21.0516 -1/32\*x-1/2+1/32\*(x^2+96\*x+256)^(1/2) revogf  
A040240 24.8588 [2/(-x^2+1) lgdogf]  
A040240 37.7338 [[2-x] ogf\_with\_Euler\_transform]  
A040240 55.6363 -2/(x-1)/(x+1) lgdogf  
A040241 12.4294 [-(x^2+4\*x+1)/(x^4+x^3-x-1) lgdogf]  
A040241 15.2977 [ -16\*(x^2+x+1)/(x-1)/(x+1) ogf]  
A040241 22.9091 -(1+4\*x+x^2)/(x-1)/(x+1)/(x^2+x+1) lgdogf  
A040241 31.6964 [-x^2+x+1 ogf\_with\_Euler\_transform]  
A040241 9.14346 [{-a(n+3)+a(n+1), a(0) = 16, a(1) = 16, a(2) = 32}, ogf]  
A040242 7.01635 [ -(16\*x^10+10\*x^9+x^8+2\*x^7+3\*x^6+4\*x^5+3\*x^4+2\*x^3+x^2+10\*x  
+16)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) ogf]  
A040243 12.8850 [-(x^2+8\*x+1)/(2\*x^4+x^3-x-2) lgdogf]  
A040243 16.1694 [ -8\*(2\*x^2+x+2)/(x-1)/(x+1) ogf]  
A040243 22.4270 -(1+8\*x+x^2)/(x-1)/(x+1)/(2\*x^2+x+2) lgdogf  
A040243 9.58885 [{-a(n+3)+a(n+1), a(0) = 16, a(1) = 8, a(2) = 32}, ogf]  
A040244 4.97347 [ -  
(16\*x^16+6\*x^15+2\*x^14+3\*x^13+7\*x^12+x^11+3\*x^10+x^9+2\*x^8+x^7+3\*x^6+x^5+7\*x^4+3  
\*x^3+2\*x^2+6\*x+16)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1) ogf]  
A040246 6.30482 [ -(16\*x^12+4\*x^11+x^10+x^9+x^8+x^7+15\*x^6+x^5+x^4+x^3+x^2+4\*x  
+16)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) ogf]  
A040247 12.6868 [-(x^2+16\*x+1)/(4\*x^4+x^3-x-4) lgdogf]  
A040247 16.1694 [ -4\*(4\*x^2+x+4)/(x-1)/(x+1) ogf]  
A040247 21.8208 -(1+16\*x+x^2)/(x-1)/(x+1)/(4\*x^2+x+4) lgdogf  
A040247 9.58885 [{-a(n+3)+a(n+1), a(0) = 16, a(1) = 4, a(2) = 32}, ogf]  
A040248 8.01243 [ -(x+1)\*(16\*x^8-13\*x^7+14\*x^6-13\*x^5+15\*x^4-13\*x^3+14\*x^2-13\*x  
+16)/(x-1)/(x^2+x+1)/(x^6+x^3+1) ogf]  
A040249 12.6973 [ -(16\*x^4+3\*x^3+4\*x^2+3\*x+16)/(x-1)/(x+1)/(x^2+1) ogf]  
A040249 9.46584 -(3+8\*x+3\*x^6+9\*x^2+128\*x^3+9\*x^4+8\*x^5)/(x-1)/(x+1)/(1+x^2)/  
(16\*x^4+3\*x^3+4\*x^2+3\*x+16) lgdogf  
A040250 10.0445 [ -(16\*x^6+2\*x^5+x^4+15\*x^3+x^2+2\*x+16)/(x-1)/(x+1)/(x^2+x+1)/  
(x^2-x+1) ogf]  
A040252 13.5436 -(1+2\*x+48\*x^2+2\*x^3+x^4)/(x-1)/(x+1)/(x^2+x+1)/(8\*x^2-7\*x+8)  
lgdogf  
A040252 14.3006 [ -2\*(x+1)\*(8\*x^2-7\*x+8)/(x-1)/(x^2+x+1) ogf]  
A040252 8.60953 [{-a(n+4)+a(n+1), a(0) = 16, a(1) = 2, a(2) = 2, a(3) = 32},  
ogf]  
A040253 10.3308 [ -(16\*x^6+2\*x^5+3\*x^4+6\*x^3+3\*x^2+2\*x+16)/(x-1)/(x+1)/(x^2+x  
+1)/(x^2-x+1) ogf]  
A040255 12.6868 [-(x^2+32\*x+1)/(8\*x^4+x^3-x-8) lgdogf]  
A040255 16.1694 [ -2\*(8\*x^2+x+8)/(x-1)/(x+1) ogf]

A040255 21.8208  $-(1+32*x+x^2)/(x-1)/(x+1)/(8*x^2+x+8)$  lgdogf  
A040255 9.58885  $[{-a(n+3)+a(n+1), a(0) = 16, a(1) = 2, a(2) = 32}]$ , ogf]  
A040256 10.0445  $[ -(16*x^6+x^5+x^4+10*x^3+x^2+x+16)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040256 6.35505  $-(1+2*x^9+2*x+5*x^6+30*x^8+4*x^7+30*x^2+4*x^3+5*x^4+192*x^5+x^{10})/(x-1)/(x+1)/(16*x^6+x^5+x^4+10*x^3+x^2+x+16)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A040257 9.32443  $[ -(x+1)*(16*x^6-15*x^5+16*x^4-12*x^3+16*x^2-15*x+16)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A040258 10.3308  $[ -(x^2+1)*(16*x^4+x^3-15*x^2+x+16)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040258 6.55931  $-(1+2*x^9+2*x+5*x^6+6*x^8+4*x^7+6*x^2+4*x^3+5*x^4+192*x^5+x^{10})/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)/(x^2-x+1)/(16*x^4+x^3-15*x^2+x+16)$  lgdogf  
A040259 6.36640  $[ -(x^4+1)*(16*x^8+x^7+x^6+x^5-15*x^4+x^3+x^2+x+16)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A040261 10.0445  $[ -(16*x^6+x^5+2*x^4+16*x^3+2*x^2+x+16)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040261 6.16535  $-(1+4*x^9+4*x+5*x^6+48*x^8+8*x^7+48*x^2+8*x^3+5*x^4+192*x^5+x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(16*x^6+x^5+2*x^4+16*x^3+2*x^2+x+16)$  lgdogf  
A040262 8.59288  $[ -(16*x^8+x^7+2*x^6+2*x^5+x^4+2*x^3+2*x^2+x+16)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040263 10.3308  $[ -(16*x^6+x^5+2*x^4+x^3+2*x^2+x+16)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040263 6.50846  $-(1+4*x^9+4*x+5*x^6+3*x^8+8*x^7+3*x^2+8*x^3+5*x^4+192*x^5+x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(16*x^6+x^5+2*x^4+x^3+2*x^2+x+16)$  lgdogf  
A040265 8.59288  $[ -(16*x^8+x^7+3*x^6+x^5+4*x^4+x^3+3*x^2+x+16)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040268 10.3308  $[ -(x^2+1)*(16*x^4+x^3-9*x^2+x+16)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040268 6.40909  $-(1+14*x^9+14*x+5*x^6+6*x^8+28*x^7+6*x^2+28*x^3+5*x^4+192*x^5+x^{10})/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)/(x^2-x+1)/(16*x^4+x^3-9*x^2+x+16)$  lgdogf  
A040269 7.01635  $[ -(16*x^{10}+x^9+10*x^8+3*x^7+3*x^6+2*x^5+3*x^4+3*x^3+10*x^2+x+16)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040270 12.1271  $[ -(x^2-x+1)*(16*x^2+17*x+16)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040270 9.28012  $-(1+30*x+x^6+3*x^2+128*x^3+3*x^4+30*x^5)/(x-1)/(x+1)/(16*x^2+17*x+16)/(x^2-x+1)/(1+x^2)$  lgdogf  
A040271 12.3081  $[-(x^2+64*x+1)/(16*x^4+x^3-x-16)$  lgdogf]  
A040271 16.1694  $[ -(16*x^2+x+16)/(x-1)/(x+1)$  ogf]  
A040271 20.7018  $-(1+64*x+x^2)/(x-1)/(x+1)/(16*x^2+x+16)$  lgdogf  
A040271 9.58885  $[{-a(n+3)+a(n+1), a(0) = 16, a(1) = 1, a(2) = 32}]$ , ogf]  
A040272 10.7497  $[{a(n+2)-a(n+1), a(0) = 17, a(1) = 34}]$ , ogf]  
A040272 20.3969  $[ -17*(x+1)/(x-1)$  ogf]  
A040272 20.4976  $-1/2-1/34*x+1/34*(289+102*x+x^2)^{(1/2)}$  revogf  
A040272 24.8588  $[2/(-x^2+1)$  lgdogf]  
A040272 37.7338  $[ [2-x]$  ogf\_with\_Euler\_transform]  
A040272 55.6363  $-2/(x-1)/(x+1)$  lgdogf  
A040273 12.4294  $[-(x^2+4*x+1)/(x^4+x^3-x-1)$  lgdogf]  
A040273 15.2977  $[ -17*(x^2+x+1)/(x-1)/(x+1)$  ogf]  
A040273 22.9091  $-(1+4*x+x^2)/(x^2+x+1)/(x-1)/(x+1)$  lgdogf  
A040273 31.6964  $[ -x^2+x+1$  ogf\_with\_Euler\_transform]  
A040273 9.14346  $[{-a(n+3)+a(n+1), a(0) = 17, a(1) = 17, a(2) = 34}]$ , ogf]  
A040274 7.01635  $[ -(17*x^{10}+11*x^9+2*x^8+x^7+3*x^6+8*x^5+3*x^4+x^3+2*x^2+11*x+17)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040275 11.2547  $[ -(x+1)*(17*x^4-9*x^3+10*x^2-9*x+17)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A040275 7.31268  $-(8+2*x+2*x^7+3*x^6+32*x^5+3*x^2+32*x^3+170*x^4+8*x^8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(17*x^4-9*x^3+10*x^2-9*x+17)$  lgdogf  
A040276 10.3308  $[ -(17*x^6+6*x^5+x^4+4*x^3+x^2+6*x+17)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]

A040276 6.31271  $-2*(3*x^9+x$   
 $+15*x^6+6*x^8+2*x^7+6*x^2+2*x^3+15*x^4+102*x^5+3*x^{10})/(x-1)/(x+1)/(x^2+x+1)/$   
 $(x^2-x+1)/(17*x^6+6*x^5+x^4+4*x^3+x^2+6*x+17)$  lgdogf  
A040277 6.36640 [ -  
 $(17*x^{12}+5*x^{11}+x^{10}+2*x^9+3*x^8+2*x^7+6*x^6+2*x^5+3*x^4+2*x^3+x^2+5*x+17)/$   
 $(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A040278 10.3308 [  $-(17*x^6+4*x^5+x^4+7*x^3+x^2+4*x+17)/(x-1)/(x+1)/(x^2+x+1)/$   
 $(x^2-x+1)$  ogf]  
A040279 7.38431 [  $-(17*x^{10}+4*x^9+3*x^8+x^7+x^6+2*x^5+x^4+x^3+3*x^2+4*x+17)/$   
 $(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040280 6.85686 [  $-(x$   
 $+1)*(17*x^{10}-14*x^9+15*x^8-11*x^7+16*x^6-15*x^5+16*x^4-11*x^3+15*x^2-14*x+17)/$   
 $(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A040281 12.6973 [  $-(17*x^4+3*x^3+2*x^2+3*x+17)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040281 9.57465  $-(1+4*x+x^2)*(3*x^4-8*x^3+38*x^2-8*x+3)/(x-1)/(x+1)/(1+x^2)/$   
 $(17*x^4+3*x^3+2*x^2+3*x+17)$  lgdogf  
A040282 12.6973 [  $-(17*x^4+3*x^3+8*x^2+3*x+17)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040282 9.25549  $-(3+16*x+3*x^6+9*x^2+136*x^3+9*x^4+16*x^5)/(x-1)/(x+1)/(1+x^2)/$   
 $(17*x^4+3*x^3+8*x^2+3*x+17)$  lgdogf  
A040284 4.94590 [ -  
 $(17*x^{16}+2*x^{15}+x^{14}+x^{13}+x^{12}+4*x^{11}+2*x^{10}+x^9+16*x^8+x^7+2*x^6+4*x^5+x^4+x^3+$   
 $x^2+2*x+17)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A040285 10.3308 [  $-(17*x^6+2*x^5+2*x^4+5*x^3+2*x^2+2*x+17)/(x-1)/(x+1)/(x^2+x$   
 $+1)/(x^2-x+1)$  ogf]  
A040286 6.36640 [ -  
 $(17*x^{12}+2*x^{11}+3*x^{10}+2*x^9+x^8+x^7+x^6+x^5+x^4+2*x^3+3*x^2+2*x+17)/(x-1)/(x$   
 $+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A040287 12.6973 [  $-(17*x^4+2*x^3+6*x^2+2*x+17)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040287 9.57465  $-2*(1+6*x+x^6+3*x^2+68*x^3+3*x^4+6*x^5)/(x-1)/(x+1)/(1+x^2)/$   
 $(17*x^4+2*x^3+6*x^2+2*x+17)$  lgdogf  
A040288 12.3081 [  $-(2*x^2+68*x+2)/(17*x^4+2*x^3-2*x-17)$  lgdogf]  
A040288 16.1694 [  $-(17*x^2+2*x+17)/(x-1)/(x+1)$  ogf]  
A040288 18.7761  $-2*(1+34*x+x^2)/(x-1)/(x+1)/(17*x^2+2*x+17)$  lgdogf  
A040288 9.58885 [  $\{-a(n+3)+a(n+1), a(0) = 17, a(1) = 2, a(2) = 34\}$ , ogf]  
A040290 10.3308 [  $-(17*x^6+x^5+x^4+4*x^3+x^2+x+17)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x$   
 $+1)$  ogf]  
A040290 6.50846  $-(1+2*x^9+2*x$   
 $+5*x^6+12*x^8+4*x^7+12*x^2+4*x^3+5*x^4+204*x^5+x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-$   
 $x+1)/(17*x^6+x^5+x^4+4*x^3+x^2+x+17)$  lgdogf  
A040292 4.97347 [ -  
 $(17*x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+5*x^{11}+3*x^{10}+x^9+2*x^8+x^7+3*x^6+5*x^5+x^4+x^3+x^2$   
 $+x+17)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A040293 4.94590 [ -  
 $(17*x^{16}+x^{15}+x^{14}+x^{13}+2*x^{12}+x^{11}+6*x^{10}+3*x^9+17*x^8+3*x^7+6*x^6+x^5+2*x^4+x^$   
 $3+x^2+x+17)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A040294 10.4124  $-(1+2*x+x^6+3*x^2+136*x^3+3*x^4+2*x^5)/(x-1)/(x+1)/(1+x^2)/$   
 $(17*x^4+x^3+x^2+x+17)$  lgdogf  
A040294 12.6973 [  $-(17*x^4+x^3+x^2+x+17)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040296 9.32443 [  $-(x+1)*(17*x^6-16*x^5+18*x^4-17*x^3+18*x^2-16*x+17)/(x-1)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A040297 10.1585  $-(1+4*x+x^6+3*x^2+136*x^3+3*x^4+4*x^5)/(x-1)/(x+1)/(1+x^2)/$   
 $(17*x^4+x^3+2*x^2+x+17)$  lgdogf  
A040297 12.6973 [  $-(17*x^4+x^3+2*x^2+x+17)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040298 8.59288 [  $-(17*x^8+x^7+3*x^6+2*x^5+8*x^4+2*x^3+3*x^2+x+17)/(x-1)/(x+1)/$   
 $(x^2+1)/(x^4+1)$  ogf]  
A040299 6.85686 [  $-(x$   
 $+1)*(17*x^{10}-16*x^9+20*x^8-12*x^7+13*x^6-11*x^5+13*x^4-12*x^3+20*x^2-16*x+17)/$   
 $(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A040300 10.1585  $-(1+8*x+x^6+3*x^2+136*x^3+3*x^4+8*x^5)/(x-1)/(x+1)/(1+x^2)/$   
 $(17*x^4+x^3+4*x^2+x+17)$  lgdogf  
A040300 12.6973 [  $-(17*x^4+x^3+4*x^2+x+17)/(x-1)/(x+1)/(x^2+1)$  ogf]

A040302 12.6973 [  $-(17x^4+x^3+7x^2+x+17)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040302 9.91660  $-(1+14x+x^6+3x^2+136x^3+3x^4+14x^5)/(x-1)/(x+1)/(1+x^2)/$   
 $(17x^4+x^3+7x^2+x+17)$  lgdogf  
A040303 12.1271 [  $-(17x^4+x^3+10x^2+x+17)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040303 9.49848  $-(1+20x+x^6+3x^2+136x^3+3x^4+20x^5)/(x-1)/(x+1)/(1+x^2)/$   
 $(17x^4+x^3+10x^2+x+17)$  lgdogf  
A040304 12.1271 [  $-(17x^2+18x+17)*(x^2-x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040304 9.28012  $-(1+32x+x^6+3x^2+136x^3+3x^4+32x^5)/(x-1)/(x+1)/(1+x^2)/$   
 $(17x^2+18x+17)/(x^2-x+1)$  lgdogf  
A040305 12.3081 [  $-(x^2+68x+1)/(17x^4+x^3-x-17)$  lgdogf]  
A040305 16.1694 [  $-(17x^2+x+17)/(x-1)/(x+1)$  ogf]  
A040305 20.7018  $-(1+68x+x^2)/(x-1)/(x+1)/(17x^2+x+17)$  lgdogf  
A040305 9.58885 [  $\{-a(n+3)+a(n+1), a(0) = 17, a(1) = 1, a(2) = 34\}$ , ogf]  
A040306 10.7497 [  $\{a(n+2)-a(n+1), a(0) = 18, a(1) = 36\}$ , ogf]  
A040306 20.3969 [  $-18*(x+1)/(x-1)$  ogf]  
A040306 20.4976  $-1/36*x-1/2+1/36*(x^2+108*x+324)^(1/2)$  revogf  
A040306 24.8588 [  $2/(-x^2+1)$  lgdogf]  
A040306 37.7338 [  $[2-x]$  ogf\_with\_Euler\_transform]  
A040306 55.6363  $-2/(x-1)/(x+1)$  lgdogf  
A040307 12.4294 [  $-(x^2+4x+1)/(x^4+x^3-x-1)$  lgdogf]  
A040307 15.2977 [  $-18*(x^2+x+1)/(x-1)/(x+1)$  ogf]  
A040307 22.9091  $-(1+4x+x^2)/(x^2+x+1)/(x-1)/(x+1)$  lgdogf  
A040307 31.6964 [  $-x^2+x+1$  ogf\_with\_Euler\_transform]  
A040307 9.14346 [  $\{-a(n+3)+a(n+1), a(0) = 18, a(1) = 18, a(2) = 36\}$ , ogf]  
A040308 12.2382 [  $-(2x^2+12x+2)/(3x^4+2x^3-2x-3)$  lgdogf]  
A040308 15.2977 [  $-6*(3x^2+2x+3)/(x-1)/(x+1)$  ogf]  
A040308 19.4727  $-2*(1+6x+x^2)/(x-1)/(x+1)/(3x^2+2x+3)$  lgdogf  
A040308 9.14346 [  $\{-a(n+3)+a(n+1), a(0) = 18, a(1) = 12, a(2) = 36\}$ , ogf]  
A040309 12.8850 [  $-(x^2+8x+1)/(2x^4+x^3-x-2)$  lgdogf]  
A040309 16.1694 [  $-9*(2x^2+x+2)/(x-1)/(x+1)$  ogf]  
A040309 22.4270  $-(1+8x+x^2)/(x-1)/(x+1)/(2x^2+x+2)$  lgdogf  
A040309 9.58885 [  $\{-a(n+3)+a(n+1), a(0) = 18, a(1) = 9, a(2) = 36\}$ , ogf]  
A040310 6.36640 [  $-$   
 $(18x^{12}+7x^{11}+4x^{10}+2x^9+x^8+x^7+4x^6+x^5+x^4+2x^3+4x^2+7x+18)/(x-1)/(x$   
 $+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A040311 12.6868 [  $-(x^2+12x+1)/(3x^4+x^3-x-3)$  lgdogf]  
A040311 16.1694 [  $-6*(3x^2+x+3)/(x-1)/(x+1)$  ogf]  
A040311 21.8208  $-(1+12x+x^2)/(x-1)/(x+1)/(3x^2+x+3)$  lgdogf  
A040311 9.58885 [  $\{-a(n+3)+a(n+1), a(0) = 18, a(1) = 6, a(2) = 36\}$ , ogf]  
A040313 8.59288 [  $-(18x^8+4x^7+x^6+x^5+8x^4+x^3+x^2+4x+18)/(x-1)/(x+1)/$   
 $(x^2+1)/(x^4+1)$  ogf]  
A040314 12.6868 [  $-(2x^2+36x+2)/(9x^4+2x^3-2x-9)$  lgdogf]  
A040314 16.1694 [  $-2*(9x^2+2x+9)/(x-1)/(x+1)$  ogf]  
A040314 19.6920  $-2*(1+18x+x^2)/(x-1)/(x+1)/(9x^2+2x+9)$  lgdogf  
A040314 9.58885 [  $\{-a(n+3)+a(n+1), a(0) = 18, a(1) = 4, a(2) = 36\}$ , ogf]  
A040316 10.8181  $-(1+2x+x^6+3x^2+48x^3+3x^4+2x^5)/(x-1)/(x+1)/(1+x^2)/$   
 $(6x^4+x^3+x^2+x+6)$  lgdogf  
A040316 12.6973 [  $-3*(6x^4+x^3+x^2+x+6)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040317 12.6868 [  $-(x^2+24x+1)/(6x^4+x^3-x-6)$  lgdogf]  
A040317 16.1694 [  $-3*(6x^2+x+6)/(x-1)/(x+1)$  ogf]  
A040317 21.8208  $-(1+24x+x^2)/(x-1)/(x+1)/(6x^2+x+6)$  lgdogf  
A040317 9.58885 [  $\{-a(n+3)+a(n+1), a(0) = 18, a(1) = 3, a(2) = 36\}$ , ogf]  
A040319 11.2547 [  $-(x+1)*(18x^4-16x^3+17x^2-16x+18)/(x-1)/(x^4+x^3+x^2+x+1)$   
ogf]  
A040319 7.31268  $-(2+2x+2x^7+3x^6+8x^5+3x^2+8x^3+180x^4+2x^8)/(x-1)/(x$   
 $+1)/(x^4+x^3+x^2+x+1)/(18x^4-16x^3+17x^2-16x+18)$  lgdogf  
A040320 7.15342 [  $-(18x^{10}+2x^9+2x^8+2x^7+x^6+17x^5+x^4+2x^3+2x^2+2x$   
 $+18)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040323 12.6868 [  $-(x^2+36x+1)/(9x^4+x^3-x-9)$  lgdogf]  
A040323 16.1694 [  $-2*(9x^2+x+9)/(x-1)/(x+1)$  ogf]  
A040323 21.8208  $-(1+36x+x^2)/(x-1)/(x+1)/(9x^2+x+9)$  lgdogf

A040323 9.58885  $[ \{-a(n+3)+a(n+1), a(0) = 18, a(1) = 2, a(2) = 36\}, \text{ogf}]$   
A040325 7.38431  $[ -(18*x^10+x^9+x^8+4*x^7+x^6+3*x^5+x^4+4*x^3+x^2+x+18)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) \text{ogf}]$   
A040326 7.38431  $[ -(18*x^10+x^9+x^8+2*x^7+x^6+6*x^5+x^4+2*x^3+x^2+x+18)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) \text{ogf}]$   
A040327 11.2547  $[ -(x+1)*(18*x^4-17*x^3+18*x^2-17*x+18)/(x-1)/(x^4+x^3+x^2+x+1) \text{ogf}]$   
A040327 7.44444  $-(1+2*x+2*x^7+3*x^6+4*x^5+3*x^2+4*x^3+180*x^4+x^8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(18*x^4-17*x^3+18*x^2-17*x+18) \text{lgdogf}$   
A040329 8.59288  $[ -(18*x^8+x^7+x^6+x^5+8*x^4+x^3+x^2+x+18)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \text{ogf}]$   
A040330 9.32443  $[ -(x+1)*(18*x^6-17*x^5+19*x^4-12*x^3+19*x^2-17*x+18)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1) \text{ogf}]$   
A040331 10.3308  $[ -(x^2+1)*(18*x^4+x^3-16*x^2+x+18)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) \text{ogf}]$   
A040331 6.55931  $-(1+4*x+4*x^9+5*x^6+6*x^8+8*x^7+6*x^2+8*x^3+5*x^4+216*x^5+x^10)/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)/(x^2-x+1)/(18*x^4+x^3-16*x^2+x+18) \text{lgdogf}$   
A040332 6.36640  $[ -(18*x^12+x^11+2*x^10+x^9+3*x^8+2*x^7+2*x^6+2*x^5+3*x^4+x^3+2*x^2+x+18)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) \text{ogf}]$   
A040333 8.59288  $[ -(18*x^8+x^7+3*x^6+5*x^5+9*x^4+5*x^3+3*x^2+x+18)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \text{ogf}]$   
A040335 7.15342  $[ -(18*x^10+x^9+4*x^8+2*x^7+2*x^6+18*x^5+2*x^4+2*x^3+4*x^2+x+18)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) \text{ogf}]$   
A040336 6.36640  $[ -(18*x^12+x^11+5*x^10+3*x^9+3*x^8+x^7+6*x^6+x^5+3*x^4+3*x^3+5*x^2+x+18)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) \text{ogf}]$   
A040338 10.3308  $[ -(x^2+1)*(18*x^4+x^3-10*x^2+x+18)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) \text{ogf}]$   
A040338 6.36054  $-(1+16*x+16*x^9+5*x^6+6*x^8+32*x^7+6*x^2+32*x^3+5*x^4+216*x^5+x^10)/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)/(x^2-x+1)/(18*x^4+x^3-10*x^2+x+18) \text{lgdogf}$   
A040340 12.1271  $[ -(x^2-x+1)*(18*x^2+19*x+18)/(x-1)/(x+1)/(x^2+1) \text{ogf}]$   
A040340 9.28012  $-(1+34*x+x^6+3*x^2+144*x^3+3*x^4+34*x^5)/(x-1)/(x+1)/(1+x^2)/(x^2-x+1)/(18*x^2+19*x+18) \text{lgdogf}$   
A040341 12.3081  $[-(x^2+72*x+1)/(18*x^4+x^3-x-18) \text{lgdogf}]$   
A040341 16.1694  $[ -(18*x^2+x+18)/(x-1)/(x+1) \text{ogf}]$   
A040341 20.7018  $-(1+72*x+x^2)/(x-1)/(x+1)/(18*x^2+x+18) \text{lgdogf}$   
A040341 9.58885  $[ \{-a(n+3)+a(n+1), a(0) = 18, a(1) = 1, a(2) = 36\}, \text{ogf}]$   
A040342 10.7497  $[ \{a(n+2)-a(n+1), a(0) = 19, a(1) = 38\}, \text{ogf}]$   
A040342 20.3969  $[ -19*(x+1)/(x-1) \text{ogf}]$   
A040342 20.4976  $-1/38*x-1/2+1/38*(x^2+114*x+361)^(1/2) \text{revogf}$   
A040342 24.8588  $[ 2/(-x^2+1) \text{lgdogf}]$   
A040342 37.7338  $[ [2-x] \text{ogf\_with\_Euler\_transform}]$   
A040342 55.6363  $-2/(x-1)/(x+1) \text{lgdogf}$   
A040343 12.4294  $[-(x^2+4*x+1)/(x^4+x^3-x-1) \text{lgdogf}]$   
A040343 15.2977  $[ -19*(x^2+x+1)/(x-1)/(x+1) \text{ogf}]$   
A040343 22.9091  $-(1+4*x+x^2)/(x^2+x+1)/(x-1)/(x+1) \text{lgdogf}$   
A040343 31.6964  $[-x^2+x+1 \text{ogf\_with\_Euler\_transform}]$   
A040343 9.14346  $[ \{-a(n+3)+a(n+1), a(0) = 19, a(1) = 19, a(2) = 38\}, \text{ogf}]$   
A040344 6.09607  $[ -(19*x^12+12*x^11+x^10+2*x^9+3*x^8+x^7+8*x^6+x^5+3*x^4+2*x^3+x^2+12*x+19)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) \text{ogf}]$   
A040345 11.2547  $[ -(x+1)*(19*x^4-10*x^3+11*x^2-10*x+19)/(x-1)/(x^4+x^3+x^2+x+1) \text{ogf}]$   
A040345 7.18550  $-(9+2*x+2*x^7+3*x^6+36*x^5+3*x^2+36*x^3+190*x^4+9*x^8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(19*x^4-10*x^3+11*x^2-10*x+19) \text{lgdogf}$   
A040346 6.30482  $[ -(19*x^12+7*x^11+x^10+x^9+x^8+2*x^7+12*x^6+2*x^5+x^4+x^3+x^2+7*x+19)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) \text{ogf}]$   
A040348 12.6973  $[ -(19*x^4+5*x^3+2*x^2+5*x+19)/(x-1)/(x+1)/(x^2+1) \text{ogf}]$

A040348 9.25549  $-(5+4*x+5*x^6+15*x^2+152*x^3+15*x^4+4*x^5)/(x-1)/(x+1)/(19*x^4+5*x^3+2*x^2+5*x+19)/(1+x^2)$  lgdogf  
A040349 6.36640 [ -  
 $(19*x^{12}+4*x^{11}+x^{10}+3*x^9+2*x^8+7*x^7+4*x^6+7*x^5+2*x^4+3*x^3+x^2+4*x+19)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf ]  
A040350 12.1494  $-2*(2+4*x+57*x^2+4*x^3+2*x^4)/(x-1)/(x+1)/(x^2+x+1)/(19*x^2-15*x+19)$  lgdogf  
A040350 14.3006 [  $-(x+1)*(19*x^2-15*x+19)/(x-1)/(x^2+x+1)$  ogf ]  
A040350 8.60953 [  $\{-a(n+4)+a(n+1), a(0) = 19, a(1) = 4, a(2) = 4, a(3) = 38\}$ , ogf ]  
A040351 10.3308 [  $-(19*x^6+3*x^5+x^4+4*x^3+x^2+3*x+19)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A040352 10.0445 [  $-(19*x^6+3*x^5+2*x^4+12*x^3+2*x^2+3*x+19)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A040353 11.2547 [  $-(x+1)*(19*x^4-16*x^3+21*x^2-16*x+19)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf ]  
A040353 6.94397  $-(3+10*x+10*x^7+15*x^6+12*x^5+15*x^2+12*x^3+190*x^4+3*x^8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(19*x^4-16*x^3+21*x^2-16*x+19)$  lgdogf  
A040354 10.0445 [  $-(19*x^6+2*x^5+x^4+18*x^3+x^2+2*x+19)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A040354 6.25876  $-2*(1+x+x^9+5*x^6+27*x^8+2*x^7+27*x^2+2*x^3+5*x^4+114*x^5+x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(19*x^6+2*x^5+x^4+18*x^3+x^2+2*x+19)$  lgdogf  
A040355 7.38431 [  $-(19*x^{10}+2*x^9+x^8+2*x^7+x^6+5*x^5+x^4+2*x^3+x^2+2*x+19)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf ]  
A040356 4.97347 [ -  
 $(19*x^{16}+2*x^{15}+x^{14}+x^{13}+3*x^{12}+x^{11}+2*x^{10}+2*x^9+4*x^8+2*x^7+2*x^6+x^5+3*x^4+x^3+x^2+2*x+19)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf ]  
A040357 12.6973 [  $-(19*x^4+2*x^3+2*x^2+2*x+19)/(x-1)/(x+1)/(x^2+1)$  ogf ]  
A040357 9.57465  $-2*(1+2*x+x^6+3*x^2+76*x^3+3*x^4+2*x^5)/(x-1)/(x+1)/(19*x^4+2*x^3+2*x^2+2*x+19)/(1+x^2)$  lgdogf  
A040358 8.59288 [  $-(19*x^8+2*x^7+3*x^6+x^5+4*x^4+x^3+3*x^2+2*x+19)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf ]  
A040360 12.3081 [  $-(2*x^2+76*x+2)/(19*x^4+2*x^3-2*x-19)$  lgdogf ]  
A040360 16.1694 [  $-(19*x^2+2*x+19)/(x-1)/(x+1)$  ogf ]  
A040360 18.7761  $-2*(1+38*x+x^2)/(x-1)/(x+1)/(19*x^2+2*x+19)$  lgdogf  
A040360 9.58885 [  $\{-a(n+3)+a(n+1), a(0) = 19, a(1) = 2, a(2) = 38\}$ , ogf ]  
A040361 10.0445 [  $-(19*x^6+x^5+x^4+12*x^3+x^2+x+19)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A040361 6.35505  $-(1+2*x+2*x^9+5*x^6+36*x^8+4*x^7+36*x^2+4*x^3+5*x^4+228*x^5+x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(19*x^6+x^5+x^4+12*x^3+x^2+x+19)$  lgdogf  
A040363 8.50717 [  $-(x^2-x+1)*(19*x^6+20*x^5+2*x^4-15*x^3+2*x^2+20*x+19)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf ]  
A040364 8.59288 [  $-(19*x^8+x^7+x^6+2*x^5+9*x^4+2*x^3+x^2+x+19)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf ]  
A040365 4.97347 [ -  
 $(19*x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+3*x^{10}+x^9+2*x^8+x^7+3*x^6+x^5+x^4+x^3+x^2+x+19)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf ]  
A040366 6.30482 [  $-(19*x^{12}+x^{11}+x^{10}+x^9+4*x^8+x^7+18*x^6+x^5+4*x^4+x^3+x^2+x+19)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf ]  
A040367 10.0445 [  $-(19*x^6+x^5+2*x^4+19*x^3+2*x^2+x+19)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A040367 6.16535  $-(1+4*x+4*x^9+5*x^6+57*x^8+8*x^7+57*x^2+8*x^3+5*x^4+228*x^5+x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(19*x^6+x^5+2*x^4+19*x^3+2*x^2+x+19)$  lgdogf  
A040369 8.01243 [  $-(x+1)*(19*x^8-18*x^7+20*x^6-19*x^5+20*x^4-19*x^3+20*x^2-18*x+19)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf ]  
A040370 10.1585  $-(1+4*x+x^6+3*x^2+152*x^3+3*x^4+4*x^5)/(x-1)/(x+1)/(1+x^2)/(19*x^4+x^3+2*x^2+x+19)$  lgdogf  
A040370 12.6973 [  $-(19*x^4+x^3+2*x^2+x+19)/(x-1)/(x+1)/(x^2+1)$  ogf ]  
A040372 10.1585  $-(1+6*x+x^6+3*x^2+152*x^3+3*x^4+6*x^5)/(x-1)/(x+1)/(1+x^2)/$

$(19x^4+x^3+3x^2+x+19)$  lgdogf  
A040372 12.6973 [  $-(19x^4+x^3+3x^2+x+19)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040375 12.6973 [  $-(19x^4+x^3+6x^2+x+19)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040375 9.91660  $-(1+12x+x^6+3x^2+152x^3+3x^4+12x^5)/(x-1)/(x+1)/(1+x^2)/$   
 $(19x^4+x^3+6x^2+x+19)$  lgdogf  
A040376 12.6973 [  $-(19x^4+x^3+8x^2+x+19)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040376 9.91660  $-(1+16x+x^6+3x^2+152x^3+3x^4+16x^5)/(x-1)/(x+1)/(1+x^2)/$   
 $(19x^4+x^3+8x^2+x+19)$  lgdogf  
A040378 12.1271 [  $-(19x^2+20x+19)*(x^2-x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040378 9.28012  $-(1+36x+x^6+3x^2+152x^3+3x^4+36x^5)/(x-1)/(x+1)/(1+x^2)/$   
 $(19x^2+20x+19)/(x^2-x+1)$  lgdogf  
A040379 12.3081 [  $-(x^2+76x+1)/(19x^4+x^3-x-19)$  lgdogf]  
A040379 16.1694 [  $-(19x^2+x+19)/(x-1)/(x+1)$  ogf]  
A040379 20.7018  $-(1+76x+x^2)/(x-1)/(x+1)/(19x^2+x+19)$  lgdogf  
A040379 9.58885 [  $\{-a(n+3)+a(n+1), a(0) = 19, a(1) = 1, a(2) = 38\}$ , ogf]  
A040380 10.7497 [  $\{a(n+2)-a(n+1), a(0) = 20, a(1) = 40\}$ , ogf]  
A040380 20.3969 [  $-20*(x+1)/(x-1)$  ogf]  
A040380 20.4976  $-1/2-1/40*x+1/40*(400+120*x+x^2)^{(1/2)}$  revogf  
A040380 24.8588 [  $2/(-x^2+1)$  lgdogf]  
A040380 37.7338 [  $[2-x]$  ogf\_with\_Euler\_transform]  
A040380 55.6363  $-2/(x-1)/(x+1)$  lgdogf  
A040381 12.4294 [  $-(x^2+4x+1)/(x^4+x^3-x-1)$  lgdogf]  
A040381 15.2977 [  $-20*(x^2+x+1)/(x-1)/(x+1)$  ogf]  
A040381 22.9091  $-(1+4x+x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A040381 31.6964 [  $-x^2+x+1$  ogf\_with\_Euler\_transform]  
A040381 9.14346 [  $\{-a(n+3)+a(n+1), a(0) = 20, a(1) = 20, a(2) = 40\}$ , ogf]  
A040382 7.01635 [  $-(20x^{10}+13x^9+2x^8+x^7+3x^6+x^5+3x^4+x^3+2x^2+13x+20)/$   
 $(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040383 12.4294 [  $-(x^2+8x+1)/(2x^4+x^3-x-2)$  lgdogf]  
A040383 15.2977 [  $-10*(2x^2+x+2)/(x-1)/(x+1)$  ogf]  
A040383 21.6363  $-(1+8x+x^2)/(x-1)/(x+1)/(2x^2+x+2)$  lgdogf  
A040383 9.14346 [  $\{-a(n+3)+a(n+1), a(0) = 20, a(1) = 10, a(2) = 40\}$ , ogf]  
A040384 12.6868 [  $-(2x^2+20x+2)/(5x^4+2x^3-2x-5)$  lgdogf]  
A040384 16.1694 [  $-4*(5x^2+2x+5)/(x-1)/(x+1)$  ogf]  
A040384 19.6920  $-2*(1+10x+x^2)/(x-1)/(x+1)/(5x^2+2x+5)$  lgdogf  
A040384 9.58885 [  $\{-a(n+3)+a(n+1), a(0) = 20, a(1) = 8, a(2) = 40\}$ , ogf]  
A040386 10.3308 [  $-(20x^6+5x^5+x^4+2x^3+x^2+5x+20)/(x-1)/(x+1)/(x^2+x+1)/$   
 $(x^2-x+1)$  ogf]  
A040387 12.6868 [  $-(x^2+16x+1)/(4x^4+x^3-x-4)$  lgdogf]  
A040387 16.1694 [  $-5*(4x^2+x+4)/(x-1)/(x+1)$  ogf]  
A040387 21.8208  $-(1+16x+x^2)/(x-1)/(x+1)/(4x^2+x+4)$  lgdogf  
A040387 9.58885 [  $\{-a(n+3)+a(n+1), a(0) = 20, a(1) = 5, a(2) = 40\}$ , ogf]  
A040389 12.6868 [  $-(x^2+20x+1)/(5x^4+x^3-x-5)$  lgdogf]  
A040389 16.1694 [  $-4*(5x^2+x+5)/(x-1)/(x+1)$  ogf]  
A040389 21.8208  $-(1+20x+x^2)/(x-1)/(x+1)/(5x^2+x+5)$  lgdogf  
A040389 9.58885 [  $\{-a(n+3)+a(n+1), a(0) = 20, a(1) = 4, a(2) = 40\}$ , ogf]  
A040390 7.15342 [  $-(20x^{10}+3x^9+x^8+x^7+x^6+19x^5+x^4+x^3+x^2+3x+20)/(x-1)/$   
 $(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040392 8.59288 [  $-(20x^8+3x^7+9x^6+x^5+4x^4+x^3+9x^2+3x+20)/(x-1)/(x+1)/$   
 $(x^2+1)/(x^4+1)$  ogf]  
A040393 8.59288 [  $-(20x^8+2x^7+x^6+7x^5+2x^4+7x^3+x^2+2x+20)/(x-1)/(x+1)/$   
 $(x^2+1)/(x^4+1)$  ogf]  
A040394 4.97347 [  $-$   
 $(20x^{16}+2x^{15}+x^{14}+2x^{13}+4x^{12}+6x^{11}+x^{10}+x^9+3x^8+x^7+x^6+6x^5+4x^4+2x^3+x^2+2x+20)/$   
 $(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A040395 8.59288 [  $-(20x^8+2x^7+x^6+x^5+9x^4+x^3+x^2+2x+20)/(x-1)/(x+1)/$   
 $(x^2+1)/(x^4+1)$  ogf]  
A040397 10.0445 [  $-2*(10x^6+x^5+2x^4+10x^3+2x^2+x+10)/(x-1)/(x+1)/(x^2+x+1)/$   
 $(x^2-x+1)$  ogf]  
A040397 6.16535  $-(1+4x$   
 $+4x^9+5x^6+30x^8+8x^7+30x^2+8x^3+5x^4+120x^5+x^{10})/(x-1)/(x+1)/(x^2+x$

+1)/(x^2-x+1)/(10\*x^6+x^5+2\*x^4+10\*x^3+2\*x^2+x+10) lgdogf  
A040399 12.3081 [-(x^2+40\*x+1)/(10\*x^4+x^3-x-10) lgdogf]  
A040399 16.1694 [-2\*(10\*x^2+x+10)/(x-1)/(x+1) ogf]  
A040399 20.7018 -(1+40\*x+x^2)/(x-1)/(x+1)/(10\*x^2+x+10) lgdogf  
A040399 9.58885 [{-a(n+3)+a(n+1), a(0) = 20, a(1) = 2, a(2) = 40}, ogf]  
A040402 8.59288 [-(20\*x^8+x^7+x^6+3\*x^5+4\*x^4+3\*x^3+x^2+x+20)/(x-1)/(x+1)/(x^2+1)/(x^4+1) ogf]  
A040404 9.32443 [-(x+1)\*(20\*x^6-19\*x^5+20\*x^4-19\*x^3+20\*x^2-19\*x+20)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1) ogf]  
A040405 6.36640 [-  
(20\*x^12+x^11+x^10+x^9+3\*x^8+2\*x^7+6\*x^6+2\*x^5+3\*x^4+x^3+x^2+x+20)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) ogf]  
A040406 10.4124 -(1+2\*x+x^6+3\*x^2+160\*x^3+3\*x^4+2\*x^5)/(x-1)/(x+1)/(1+x^2)/(20\*x^4+x^3+x^2+x+20) lgdogf  
A040406 12.6973 [-(20\*x^4+x^3+x^2+x+20)/(x-1)/(x+1)/(x^2+1) ogf]  
A040407 6.30482 [-  
(20\*x^12+x^11+2\*x^10+4\*x^9+x^8+5\*x^7+10\*x^6+5\*x^5+x^4+4\*x^3+2\*x^2+x+20)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) ogf]  
A040408 6.30482 [-  
(20\*x^12+x^11+2\*x^10+2\*x^9+9\*x^8+x^7+12\*x^6+x^5+9\*x^4+2\*x^3+2\*x^2+x+20)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) ogf]  
A040411 8.59288 [-(20\*x^8+x^7+3\*x^6+x^5+x^4+x^3+3\*x^2+x+20)/(x-1)/(x+1)/(x^2+1)/(x^4+1) ogf]  
A040413 10.1585 -(1+8\*x+x^6+3\*x^2+160\*x^3+3\*x^4+8\*x^5)/(x-1)/(x+1)/(1+x^2)/(20\*x^4+x^3+4\*x^2+x+20) lgdogf  
A040413 12.6973 [-(20\*x^4+x^3+4\*x^2+x+20)/(x-1)/(x+1)/(x^2+1) ogf]  
A040414 12.6973 [-(20\*x^4+x^3+5\*x^2+x+20)/(x-1)/(x+1)/(x^2+1) ogf]  
A040414 9.91660 -(1+10\*x+x^6+3\*x^2+160\*x^3+3\*x^4+10\*x^5)/(x-1)/(x+1)/(1+x^2)/(20\*x^4+x^3+5\*x^2+x+20) lgdogf  
A040416 10.3308 [-(x^2+1)\*(20\*x^4+x^3-11\*x^2+x+20)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) ogf]  
A040416 6.36054 -(1+18\*x  
+18\*x^9+5\*x^6+6\*x^8+36\*x^7+6\*x^2+36\*x^3+5\*x^4+240\*x^5+x^10)/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)/(x^2-x+1)/(20\*x^4+x^3-11\*x^2+x+20) lgdogf  
A040417 12.1271 [-(20\*x^4+x^3+12\*x^2+x+20)/(x-1)/(x+1)/(x^2+1) ogf]  
A040417 9.49848 -(1+24\*x+x^6+3\*x^2+160\*x^3+3\*x^4+24\*x^5)/(x-1)/(x+1)/(1+x^2)/(20\*x^4+x^3+12\*x^2+x+20) lgdogf  
A040418 12.1271 [-(20\*x^2+21\*x+20)\*(x^2-x+1)/(x-1)/(x+1)/(x^2+1) ogf]  
A040418 9.28012 -(1+38\*x+x^6+3\*x^2+160\*x^3+3\*x^4+38\*x^5)/(x-1)/(x+1)/(1+x^2)/(20\*x^2+21\*x+20)/(x^2-x+1) lgdogf  
A040419 12.3081 [-(x^2+80\*x+1)/(20\*x^4+x^3-x-20) lgdogf]  
A040419 16.1694 [-(20\*x^2+x+20)/(x-1)/(x+1) ogf]  
A040419 20.7018 -(1+80\*x+x^2)/(x-1)/(x+1)/(20\*x^2+x+20) lgdogf  
A040419 9.58885 [{-a(n+3)+a(n+1), a(0) = 20, a(1) = 1, a(2) = 40}, ogf]  
A040420 10.7497 [{a(n+2)-a(n+1), a(0) = 21, a(1) = 42}, ogf]  
A040420 20.3969 [-21\*(x+1)/(x-1) ogf]  
A040420 20.4976 -1/42\*x-1/2+1/42\*(x^2+126\*x+441)^(1/2) revogf  
A040420 24.8588 [2/(-x^2+1) lgdogf]  
A040420 37.7338 [[2-x] ogf\_with\_Euler\_transform]  
A040420 55.6363 -2/(x-1)/(x+1) lgdogf  
A040421 12.4294 [-(x^2+4\*x+1)/(x^4+x^3-x-1) lgdogf]  
A040421 15.2977 [-21\*(x^2+x+1)/(x-1)/(x+1) ogf]  
A040421 22.9091 -(1+4\*x+x^2)/(x^2+x+1)/(x-1)/(x+1) lgdogf  
A040421 31.6964 [-x^2+x+1 ogf\_with\_Euler\_transform]  
A040421 9.14346 [{-a(n+3)+a(n+1), a(0) = 21, a(1) = 21, a(2) = 42}, ogf]  
A040422 12.2382 [-(2\*x^2+12\*x+2)/(3\*x^4+2\*x^3-2\*x-3) lgdogf]  
A040422 15.2977 [-7\*(3\*x^2+2\*x+3)/(x-1)/(x+1) ogf]  
A040422 19.4727 -2\*(1+6\*x+x^2)/(x-1)/(x+1)/(3\*x^2+2\*x+3) lgdogf  
A040422 9.14346 [{-a(n+3)+a(n+1), a(0) = 21, a(1) = 14, a(2) = 42}, ogf]  
A040423 10.6084 [-(x+1)\*(21\*x^4-11\*x^3+12\*x^2-11\*x+21)/(x-1)/(x^4+x^3+x^2+x+1) ogf]



A040423 6.83536  $-(10+2*x+3*x^6+10*x^8+2*x^7+3*x^2+40*x^3+210*x^4+40*x^5)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(21*x^4-11*x^3+12*x^2-11*x+21)$  lgdogf  
A040424 4.94590 [ -  
 $(21*x^{16}+8*x^{15}+2*x^{14}+2*x^{13}+x^{12}+3*x^{11}+x^{10}+x^9+20*x^8+x^7+x^6+3*x^5+x^4+2*x^3+2*x^2+8*x+21)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A040425 12.6868  $[-(x^2+12*x+1)/(3*x^4+x^3-x-3)$  lgdogf]  
A040425 16.1694  $[-7*(3*x^2+x+3)/(x-1)/(x+1)$  ogf]  
A040425 21.8208  $-(1+12*x+x^2)/(x-1)/(x+1)/(3*x^2+x+3)$  lgdogf  
A040425 9.58885  $[{-a(n+3)+a(n+1), a(0) = 21, a(1) = 7, a(2) = 42},$  ogf]  
A040426 12.6868  $[-(2*x^2+28*x+2)/(7*x^4+2*x^3-2*x-7)$  lgdogf]  
A040426 16.1694  $[-3*(7*x^2+2*x+7)/(x-1)/(x+1)$  ogf]  
A040426 19.6920  $-2*(1+14*x+x^2)/(x-1)/(x+1)/(7*x^2+2*x+7)$  lgdogf  
A040426 9.58885  $[{-a(n+3)+a(n+1), a(0) = 21, a(1) = 6, a(2) = 42},$  ogf]  
A040428 8.59288  $[-(21*x^8+4*x^7+x^6+2*x^5+4*x^4+2*x^3+x^2+4*x+21)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040429 7.15342  $[-(21*x^{10}+4*x^9+4*x^8+2*x^7+8*x^6+21*x^5+8*x^4+2*x^3+4*x^2+4*x+21)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040430 7.15342  $[-(21*x^{10}+3*x^9+x^8+5*x^7+3*x^6+10*x^5+3*x^4+5*x^3+x^2+3*x+21)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040431 6.93443  $[-(21*x^{10}+3*x^9+x^8+x^7+10*x^6+14*x^5+10*x^4+x^3+x^2+3*x+21)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040433 12.6868  $[-(x^2+28*x+1)/(7*x^4+x^3-x-7)$  lgdogf]  
A040433 16.1694  $[-3*(7*x^2+x+7)/(x-1)/(x+1)$  ogf]  
A040433 21.8208  $-(1+28*x+x^2)/(x-1)/(x+1)/(7*x^2+x+7)$  lgdogf  
A040433 9.58885  $[{-a(n+3)+a(n+1), a(0) = 21, a(1) = 3, a(2) = 42},$  ogf]  
A040434 10.3308  $[-(21*x^4+2*x^3-20*x^2+2*x+21)*(x^2+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040434 6.45839  $-2*(1+x+x^9+5*x^6+6*x^8+2*x^7+6*x^2+2*x^3+5*x^4+126*x^5+x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(21*x^4+2*x^3-20*x^2+2*x+21)/(1+x^2)$  lgdogf  
A040436 12.5175  $-2*(1+2*x+63*x^2+2*x^3+x^4)/(x-1)/(x+1)/(21*x^2-19*x+21)/(x^2+x+1)$  lgdogf  
A040436 14.3006  $[-(x+1)*(21*x^2-19*x+21)/(x-1)/(x^2+x+1)$  ogf]  
A040436 8.60953  $[{-a(n+4)+a(n+1), a(0) = 21, a(1) = 2, a(2) = 2, a(3) = 42},$  ogf]  
A040437 7.15342  $[-(21*x^{10}+2*x^9+2*x^8+x^7+4*x^6+21*x^5+4*x^4+x^3+2*x^2+2*x+21)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040438 6.30482 [ -  
 $(21*x^{12}+2*x^{11}+4*x^{10}+3*x^9+x^8+2*x^7+10*x^6+2*x^5+x^4+3*x^3+4*x^2+2*x+21)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A040440 12.3081  $[-(2*x^2+84*x+2)/(21*x^4+2*x^3-2*x-21)$  lgdogf]  
A040440 16.1694  $[-(21*x^2+2*x+21)/(x-1)/(x+1)$  ogf]  
A040440 18.7761  $-2*(1+42*x+x^2)/(x-1)/(x+1)/(21*x^2+2*x+21)$  lgdogf  
A040440 9.58885  $[{-a(n+3)+a(n+1), a(0) = 21, a(1) = 2, a(2) = 42},$  ogf]  
A040442 7.38431  $[-(21*x^{10}+x^9+x^8+5*x^7+x^6+x^5+x^4+5*x^3+x^2+x+21)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040443 7.38431  $[-(21*x^{10}+x^9+x^8+3*x^7+2*x^6+2*x^5+2*x^4+3*x^3+x^2+x+21)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040446 8.59288  $[-(21*x^8+x^7+x^6+x^5+2*x^4+x^3+x^2+x+21)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040447 7.11000  $[-(21*x^{10}+x^9+x^8+x^7+10*x^6+6*x^5+10*x^4+x^3+x^2+x+21)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040448 10.3308  $[-(21*x^6+x^5+2*x^4+8*x^3+2*x^2+x+21)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040448 6.31271  $-(1+4*x+4*x^9+5*x^6+24*x^8+8*x^7+24*x^2+8*x^3+5*x^4+252*x^5+x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(21*x^6+x^5+2*x^4+8*x^3+2*x^2+x+21)$  lgdogf  
A040451 10.1585  $-(1+4*x+x^6+3*x^2+168*x^3+3*x^4+4*x^5)/(x-1)/(x+1)/(1+x^2)/(21*x^4+x^3+2*x^2+x+21)$  lgdogf  
A040451 12.6973  $[-(21*x^4+x^3+2*x^2+x+21)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040453 7.38431  $[-(21*x^{10}+x^9+3*x^8+x^7+6*x^6+2*x^5+6*x^4+x^3+3*x^2+x+21)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]

A040454 8.50717 [  $-(21*x^8+x^7+4*x^6+2*x^5+10*x^4+2*x^3+4*x^2+x+21)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040457 6.30482 [ -  
 $(21*x^{12}+x^{11}+7*x^{10}+x^9+3*x^8+2*x^7+21*x^6+2*x^5+3*x^4+x^3+7*x^2+x+21)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A040458 12.6973 [  $-(21*x^4+x^3+9*x^2+x+21)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040458 9.91660  $-(1+18*x+x^6+3*x^2+168*x^3+3*x^4+18*x^5)/(x-1)/(x+1)/(1+x^2)/(21*x^4+x^3+9*x^2+x+21)$  lgdogf  
A040460 12.1271 [  $-(21*x^2+22*x+21)*(x^2-x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040460 9.28012  $-(1+40*x+x^6+3*x^2+168*x^3+3*x^4+40*x^5)/(x-1)/(x+1)/(1+x^2)/(x^2-x+1)/(21*x^2+22*x+21)$  lgdogf  
A040461 12.3081  $[-(x^2+84*x+1)/(21*x^4+x^3-x-21)$  lgdogf]  
A040461 16.1694 [  $-(21*x^2+x+21)/(x-1)/(x+1)$  ogf]  
A040461 20.7018  $-(1+84*x+x^2)/(x-1)/(x+1)/(21*x^2+x+21)$  lgdogf  
A040461 9.58885 [{-a(n+3)+a(n+1), a(0) = 21, a(1) = 1, a(2) = 42}, ogf]  
A040462 10.7497 [{a(n+2)-a(n+1), a(0) = 22, a(1) = 44}, ogf]  
A040462 20.3969 [  $-22*(x+1)/(x-1)$  ogf]  
A040462 20.4976  $-1/44*x-1/2+1/44*(x^2+132*x+484)^{(1/2)}$  revogf  
A040462 24.8588 [  $2/(-x^2+1)$  lgdogf]  
A040462 37.7338 [[2-x] ogf\_with\_Euler\_transform]  
A040462 55.6363  $-2/(x-1)/(x+1)$  lgdogf  
A040463 12.4294  $[-(x^2+4*x+1)/(x^4+x^3-x-1)$  lgdogf]  
A040463 15.2977 [  $-22*(x^2+x+1)/(x-1)/(x+1)$  ogf]  
A040463 22.9091  $-(1+4*x+x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A040463 31.6964  $[-x^2+x+1$  ogf\_with\_Euler\_transform]  
A040463 9.14346 [{-a(n+3)+a(n+1), a(0) = 22, a(1) = 22, a(2) = 44}, ogf]  
A040465 12.4294  $[-(x^2+8*x+1)/(2*x^4+x^3-x-2)$  lgdogf]  
A040465 15.2977 [  $-11*(2*x^2+x+2)/(x-1)/(x+1)$  ogf]  
A040465 21.6363  $-(1+8*x+x^2)/(x-1)/(x+1)/(2*x^2+x+2)$  lgdogf  
A040465 9.14346 [{-a(n+3)+a(n+1), a(0) = 22, a(1) = 11, a(2) = 44}, ogf]  
A040467 7.38431 [  $-(22*x^{10}+7*x^9+2*x^8+x^7+4*x^6+4*x^5+4*x^4+x^3+2*x^2+7*x+22)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040469 8.50717 [  $-(22*x^8+5*x^7+x^6+x^5+10*x^4+x^3+x^2+5*x+22)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040470 7.74068 [  $-(x+1)*(22*x^8-18*x^7+19*x^6-9*x^5+12*x^4-9*x^3+19*x^2-18*x+22)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A040471 7.38431 [  $-(22*x^{10}+4*x^9+2*x^8+2*x^7+x^6+2*x^5+x^4+2*x^3+2*x^2+4*x+22)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040472 12.3081 [  $-(2*x^2+44*x+2)/(11*x^4+2*x^3-2*x-11)$  lgdogf]  
A040472 16.1694 [  $-2*(11*x^2+2*x+11)/(x-1)/(x+1)$  ogf]  
A040472 18.7761  $-2*(1+22*x+x^2)/(x-1)/(x+1)/(11*x^2+2*x+11)$  lgdogf  
A040472 9.58885 [{-a(n+3)+a(n+1), a(0) = 22, a(1) = 4, a(2) = 44}, ogf]  
A040473 4.97347 [ -  
 $(22*x^{16}+3*x^{15}+x^{14}+2*x^{13}+4*x^{12}+x^{11}+x^{10}+2*x^9+2*x^8+2*x^7+x^6+x^5+4*x^4+2*x^3+x^2+3*x+22)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A040474 7.38431 [  $-(22*x^{10}+3*x^9+2*x^8+2*x^7+5*x^6+6*x^5+5*x^4+2*x^3+2*x^2+3*x+22)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040475 10.0445 [  $-(22*x^6+3*x^5+6*x^4+22*x^3+6*x^2+3*x+22)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040476 10.0445 [  $-(22*x^6+2*x^5+x^4+21*x^3+x^2+2*x+22)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040480 8.50717 [  $-(22*x^6-20*x^5+21*x^3-20*x+22)*(x^2+x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040481 10.2839  $-(1+4*x+x^6+3*x^2+88*x^3+3*x^4+4*x^5)/(x-1)/(x+1)/(1+x^2)/(11*x^4+x^3+2*x^2+x+11)$  lgdogf  
A040481 12.6973 [  $-2*(11*x^4+x^3+2*x^2+x+11)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040482 10.2839  $-(1+8*x+x^6+3*x^2+88*x^3+3*x^4+8*x^5)/(x-1)/(x+1)/(1+x^2)/(11*x^4+x^3+4*x^2+x+11)$  lgdogf  
A040482 12.6973 [  $-2*(11*x^4+x^3+4*x^2+x+11)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040483 12.3081 [  $-(x^2+44*x+1)/(11*x^4+x^3-x-11)$  lgdogf]  
A040483 16.1694 [  $-2*(11*x^2+x+11)/(x-1)/(x+1)$  ogf]

A040483 20.7018  $-(1+44x+x^2)/(x-1)/(x+1)/(11x^2+x+11)$  lgdogf  
A040483 9.58885  $[{-a(n+3)+a(n+1), a(0) = 22, a(1) = 2, a(2) = 44}]$ , ogf]  
A040484 10.0445  $[ -(22x^6+x^5+x^4+14x^3+x^2+x+22)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040484 6.35505  $-(1+2x+2x^9+5x^6+42x^8+4x^7+42x^2+4x^3+5x^4+264x^5+x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(22x^6+x^5+x^4+14x^3+x^2+x+22)$  lgdogf  
A040487 10.3308  $[ -(x^2+1)*(22x^4+x^3-21x^2+x+22)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040487 6.55931  $-(1+2x+2x^9+5x^6+6x^8+4x^7+6x^2+4x^3+5x^4+264x^5+x^{10})/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)/(x^2-x+1)/(22x^4+x^3-21x^2+x+22)$  lgdogf  
A040489 6.30482  $[ -(22x^{12}+x^{11}+x^{10}+x^9+2x^8+6x^7+11x^6+6x^5+2x^4+x^3+x^2+x+22)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A040490 4.97347  $[ -(22x^{16}+x^{15}+x^{14}+x^{13}+5x^{12}+x^{11}+4x^{10}+5x^9+2x^8+5x^7+4x^6+x^5+5x^4+x^3+x^2+x+22)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A040491 10.0445  $[ -(22x^6+x^5+2x^4+22x^3+2x^2+x+22)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040491 6.16535  $-(1+4x+4x^9+5x^6+66x^8+8x^7+66x^2+8x^3+5x^4+264x^5+x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(22x^6+x^5+2x^4+22x^3+2x^2+x+22)$  lgdogf  
A040492 7.38431  $[ -(22x^{10}+x^9+2x^8+3x^7+x^6+3x^5+x^4+3x^3+2x^2+x+22)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040493 7.15342  $[ -(22x^{10}+x^9+2x^8+x^7+x^6+14x^5+x^4+x^3+2x^2+x+22)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040495 10.3308  $[ -(22x^6+x^5+3x^4+6x^3+3x^2+x+22)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040497 10.0445  $[ -(22x^6+x^5+4x^4+11x^3+4x^2+x+22)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040499 7.38431  $[ -(22x^{10}+x^9+5x^8+x^7+x^6+4x^5+x^4+x^3+5x^2+x+22)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040502 6.11644  $-(1+20x+20x^9+5x^6+6x^8+40x^7+6x^2+40x^3+5x^4+264x^5+x^{10})/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)/(x^2-x+1)/(22x^4+x^3-12x^2+x+22)$  lgdogf  
A040502 9.70166  $[ -(x^2+1)*(22x^4+x^3-12x^2+x+22)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040504 12.1271  $[ -(22x^2+23x+22)*(x^2-x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040504 9.28012  $-(1+42x+x^6+3x^2+176x^3+3x^4+42x^5)/(x-1)/(x+1)/(22x^2+23x+22)/(x^2-x+1)/(1+x^2)$  lgdogf  
A040505 12.3081  $[ -(x^2+88x+1)/(22x^4+x^3-x-22)$  lgdogf]  
A040505 16.1694  $[ -(22x^2+x+22)/(x-1)/(x+1)$  ogf]  
A040505 20.7018  $-(1+88x+x^2)/(x-1)/(x+1)/(22x^2+x+22)$  lgdogf  
A040505 9.58885  $[{-a(n+3)+a(n+1), a(0) = 22, a(1) = 1, a(2) = 44}]$ , ogf]  
A040506 10.7497  $[{a(n+2)-a(n+1), a(0) = 23, a(1) = 46}]$ , ogf]  
A040506 20.3969  $[ -23*(x+1)/(x-1)$  ogf]  
A040506 20.4976  $-1/46*x-1/2+1/46*(x^2+138*x+529)^{(1/2)}$  revogf  
A040506 24.8588  $[2/(-x^2+1)$  lgdogf]  
A040506 37.7338  $[[2-x]$  ogf\_with\_Euler\_transform]  
A040506 55.6363  $-2/(x-1)/(x+1)$  lgdogf  
A040507 12.4294  $[ -(x^2+4x+1)/(x^4+x^3-x-1)$  lgdogf]  
A040507 15.2977  $[ -23*(x^2+x+1)/(x-1)/(x+1)$  ogf]  
A040507 22.9091  $-(1+4x+x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A040507 31.6964  $[ -x^2+x+1$  ogf\_with\_Euler\_transform]  
A040507 9.14346  $[{-a(n+3)+a(n+1), a(0) = 23, a(1) = 23, a(2) = 46}]$ , ogf]  
A040508 7.01635  $[ -(23x^{10}+15x^9+2x^8+x^7+4x^6+2x^5+4x^4+x^3+2x^2+15x+23)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040509 10.6084  $[ -(x+1)*(23x^4-12x^3+13x^2-12x+23)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A040509 6.83536  $-(11+2x+3x^6+11x^8+2x^7+3x^2+44x^3+230x^4+44x^5)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(23x^4-12x^3+13x^2-12x+23)$  lgdogf

A040510 7.15342 [  $-(23x^{10}+9x^9+4x^8+x^7+x^6+22x^5+x^4+x^3+4x^2+9x+23)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf ]  
A040511 6.36640 [  $-(23x^{12}+7x^{11}+x^{10}+2x^9+4x^8+x^7+3x^6+x^5+4x^4+2x^3+x^2+7x+23)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf ]  
A040512 7.38431 [  $-(23x^{10}+6x^9+x^8+x^7+2x^6+5x^5+2x^4+x^3+x^2+6x+23)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf ]  
A040514 9.32443 [  $-(x+1)*(23x^6-18x^5+25x^4-24x^3+25x^2-18x+23)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)$  ogf ]  
A040515 8.59288 [  $-(23x^8+4x^7+x^6+x^5+x^4+x^3+x^2+4x+23)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf ]  
A040516 8.50717 [  $-(23x^8+4x^7+4x^6+x^5+10x^4+x^3+4x^2+4x+23)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf ]  
A040518 4.94590 [  $-(x^2-x+1)*(23x^{14}+26x^{13}+4x^{12}-21x^{11}-22x^{10}+23x^8+24x^7+23x^6-22x^4-21x^3+4x^2+26x+23)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf ]  
A040519 7.15342 [  $-(23x^{10}+3x^9+3x^8+3x^7+x^6+14x^5+x^4+3x^3+3x^2+3x+23)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf ]  
A040520 12.1271 [  $-(23x^4+3x^3+11x^2+3x+23)/(x-1)/(x+1)/(x^2+1)$  ogf ]  
A040520 8.87220  $-(3+22x+3x^6+9x^2+184x^3+9x^4+22x^5)/(x-1)/(x+1)/(1+x^2)/(23x^4+3x^3+11x^2+3x+23)$  lgdogf  
A040521 10.3308 [  $-(23x^6+2x^5+x^4+8x^3+x^2+2x+23)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A040521 6.40909  $-2*(1+x+x^9+5x^6+12x^8+2x^7+12x^2+2x^3+5x^4+138x^5+x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(23x^6+2x^5+x^4+8x^3+x^2+2x+23)$  lgdogf  
A040522 10.3308 [  $-(23x^6+2x^5+x^4+2x^3+x^2+2x+23)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A040522 6.50846  $-2*(1+x+x^9+5x^6+3x^8+2x^7+3x^2+2x^3+5x^4+138x^5+x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(23x^6+2x^5+x^4+2x^3+x^2+2x+23)$  lgdogf  
A040526 4.97347 [  $-(23x^{16}+2x^{15}+4x^{14}+x^{13}+2x^{12}+x^{11}+x^{10}+7x^9+4x^8+7x^7+x^6+x^5+2x^4+x^3+4x^2+2x+23)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf ]  
A040527 10.3308 [  $-(23x^6+2x^5+8x^4+x^3+8x^2+2x+23)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A040528 12.3081 [  $-(2x^2+92x+2)/(23x^4+2x^3-2x-23)$  lgdogf ]  
A040528 16.1694 [  $-(23x^2+2x+23)/(x-1)/(x+1)$  ogf ]  
A040528 18.7761  $-2*(1+46x+x^2)/(x-1)/(x+1)/(23x^2+2x+23)$  lgdogf  
A040528 9.58885 [  $\{-a(n+3)+a(n+1), a(0) = 23, a(1) = 2, a(2) = 46\}$ , ogf ]  
A040530 6.85686 [  $-(x+1)*(23x^{10}-22x^9+23x^8-17x^7+21x^6-20x^5+21x^4-17x^3+23x^2-22x+23)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf ]  
A040531 8.59288 [  $-(23x^8+x^7+x^6+3x^5+x^4+3x^3+x^2+x+23)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf ]  
A040533 11.2547 [  $-(x+1)*(23x^4-22x^3+23x^2-22x+23)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf ]  
A040533 7.44444  $-(1+2x+2x^7+3x^6+4x^5+3x^2+4x^3+230x^4+x^8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(23x^4-22x^3+23x^2-22x+23)$  lgdogf  
A040534 6.36640 [  $-(23x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+4x^6+x^5+x^4+x^3+x^2+x+23)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf ]  
A040536 10.4124  $-(1+2x+x^6+3x^2+184x^3+3x^4+2x^5)/(x-1)/(x+1)/(1+x^2)/(23x^4+x^3+x^2+x+23)$  lgdogf  
A040536 12.6973 [  $-(23x^4+x^3+x^2+x+23)/(x-1)/(x+1)/(x^2+1)$  ogf ]  
A040539 7.15342 [  $-(x^2+x+1)*(23x^8-22x^7+x^6+22x^5-21x^4+22x^3+x^2-22x+23)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf ]  
A040540 10.1585  $-(1+4x+x^6+3x^2+184x^3+3x^4+4x^5)/(x-1)/(x+1)/(1+x^2)/(23x^4+x^3+2x^2+x+23)$  lgdogf  
A040540 12.6973 [  $-(23x^4+x^3+2x^2+x+23)/(x-1)/(x+1)/(x^2+1)$  ogf ]  
A040543 10.3308 [  $-(23x^6+x^5+4x^4+3x^3+4x^2+x+23)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A040543 6.31271  $-(1+8x+8x^9+5x^6+9x^8+16x^7+9x^2+16x^3+5x^4+276x^5+x^{10})/(x-1)/(x+1)/(x^2+x$

+1)/(x^2-x+1)/(23\*x^6+x^5+4\*x^4+3\*x^3+4\*x^2+x+23) lgdogf  
A040544 10.1585 -(1+8\*x+x^6+3\*x^2+184\*x^3+3\*x^4+8\*x^5)/(x-1)/(x+1)/  
(23\*x^4+x^3+4\*x^2+x+23)/(1+x^2) lgdogf  
A040544 12.6973 [- (23\*x^4+x^3+4\*x^2+x+23)/(x-1)/(x+1)/(x^2+1) ogf]  
A040546 12.6973 [- (23\*x^4+x^3+6\*x^2+x+23)/(x-1)/(x+1)/(x^2+1) ogf]  
A040546 9.91660 -(1+12\*x+x^6+3\*x^2+184\*x^3+3\*x^4+12\*x^5)/(x-1)/(x+1)/(1+x^2)/  
(23\*x^4+x^3+6\*x^2+x+23) lgdogf  
A040548 12.1271 [- (23\*x^4+x^3+10\*x^2+x+23)/(x-1)/(x+1)/(x^2+1) ogf]  
A040548 9.49848 -(1+20\*x+x^6+3\*x^2+184\*x^3+3\*x^4+20\*x^5)/(x-1)/(x+1)/(1+x^2)/  
(23\*x^4+x^3+10\*x^2+x+23) lgdogf  
A040549 12.1271 [- (23\*x^4+x^3+14\*x^2+x+23)/(x-1)/(x+1)/(x^2+1) ogf]  
A040549 9.49848 -(1+28\*x+x^6+3\*x^2+184\*x^3+3\*x^4+28\*x^5)/(x-1)/(x+1)/(1+x^2)/  
(23\*x^4+x^3+14\*x^2+x+23) lgdogf  
A040550 12.1271 [- (23\*x^2+24\*x+23)\*(x^2-x+1)/(x-1)/(x+1)/(x^2+1) ogf]  
A040550 9.28012 -(1+44\*x+x^6+3\*x^2+184\*x^3+3\*x^4+44\*x^5)/(x-1)/(x+1)/  
(23\*x^2+24\*x+23)/(x^2-x+1)/(1+x^2) lgdogf  
A040551 12.3081 [-(x^2+92\*x+1)/(23\*x^4+x^3-x-23) lgdogf]  
A040551 16.1694 [- (23\*x^2+x+23)/(x-1)/(x+1) ogf]  
A040551 20.7018 -(1+92\*x+x^2)/(x-1)/(x+1)/(23\*x^2+x+23) lgdogf  
A040551 9.58885 [{-a(n+3)+a(n+1), a(0) = 23, a(1) = 1, a(2) = 46}, ogf]  
A040552 10.7497 [{a(n+2)-a(n+1), a(0) = 24, a(1) = 48}, ogf]  
A040552 20.3969 [- 24\*(x+1)/(x-1) ogf]  
A040552 20.4976 -1/48\*x-1/2+1/48\*(x^2+144\*x+576)^(1/2) revogf  
A040552 24.8588 [2/(-x^2+1) lgdogf]  
A040552 37.7338 [[2-x] ogf\_with\_Euler\_transform]  
A040552 55.6363 -2/(x-1)/(x+1) lgdogf  
A040553 12.4294 [-(x^2+4\*x+1)/(x^4+x^3-x-1) lgdogf]  
A040553 15.2977 [- 24\*(x^2+x+1)/(x-1)/(x+1) ogf]  
A040553 22.9091 -(1+4\*x+x^2)/(x-1)/(x+1)/(x^2+x+1) lgdogf  
A040553 31.6964 [-x^2+x+1 ogf\_with\_Euler\_transform]  
A040553 9.14346 [{-a(n+3)+a(n+1), a(0) = 24, a(1) = 24, a(2) = 48}, ogf]  
A040554 12.2382 [-(2\*x^2+12\*x+2)/(3\*x^4+2\*x^3-2\*x-3) lgdogf]  
A040554 15.2977 [- 8\*(3\*x^2+2\*x+3)/(x-1)/(x+1) ogf]  
A040554 19.4727 -2\*(1+6\*x+x^2)/(x-1)/(x+1)/(3\*x^2+2\*x+3) lgdogf  
A040554 9.14346 [{-a(n+3)+a(n+1), a(0) = 24, a(1) = 16, a(2) = 48}, ogf]  
A040555 12.4294 [-(x^2+8\*x+1)/(2\*x^4+x^3-x-2) lgdogf]  
A040555 15.2977 [- 12\*(2\*x^2+x+2)/(x-1)/(x+1) ogf]  
A040555 21.6363 -(1+8\*x+x^2)/(x-1)/(x+1)/(2\*x^2+x+2) lgdogf  
A040555 9.14346 [{-a(n+3)+a(n+1), a(0) = 24, a(1) = 12, a(2) = 48}, ogf]  
A040557 12.6868 [-(x^2+12\*x+1)/(3\*x^4+x^3-x-3) lgdogf]  
A040557 16.1694 [- 8\*(3\*x^2+x+3)/(x-1)/(x+1) ogf]  
A040557 21.8208 -(1+12\*x+x^2)/(x-1)/(x+1)/(3\*x^2+x+3) lgdogf  
A040557 9.58885 [{-a(n+3)+a(n+1), a(0) = 24, a(1) = 8, a(2) = 48}, ogf]  
A040558 7.38431 [- (24\*x^10+6\*x^9+x^8+7\*x^7+5\*x^6+4\*x^5+5\*x^4+7\*x^3+x^2+6\*x+24)/  
(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) ogf]  
A040559 12.6868 [-(x^2+16\*x+1)/(4\*x^4+x^3-x-4) lgdogf]  
A040559 16.1694 [- 6\*(4\*x^2+x+4)/(x-1)/(x+1) ogf]  
A040559 21.8208 -(1+16\*x+x^2)/(x-1)/(x+1)/(4\*x^2+x+4) lgdogf  
A040559 9.58885 [{-a(n+3)+a(n+1), a(0) = 24, a(1) = 6, a(2) = 48}, ogf]  
A040560 8.59288 [- (24\*x^8+5\*x^7+2\*x^6+x^5+4\*x^4+x^3+2\*x^2+5\*x+24)/(x-1)/(x+1)/  
(x^2+1)/(x^4+1) ogf]  
A040563 12.6868 [-(x^2+24\*x+1)/(6\*x^4+x^3-x-6) lgdogf]  
A040563 16.1694 [- 4\*(6\*x^2+x+6)/(x-1)/(x+1) ogf]  
A040563 21.8208 -(1+24\*x+x^2)/(x-1)/(x+1)/(6\*x^2+x+6) lgdogf  
A040563 9.58885 [{-a(n+3)+a(n+1), a(0) = 24, a(1) = 4, a(2) = 48}, ogf]  
A040565 10.3308 [- (24\*x^6+3\*x^5+2\*x^4+4\*x^3+2\*x^2+3\*x+24)/(x-1)/(x+1)/(x^2+x  
+1)/(x^2-x+1) ogf]  
A040566 7.38431 [- (24\*x^10+3\*x^9+4\*x^8+x^7+x^6+7\*x^5+x^4+x^3+4\*x^2+3\*x+24)/  
(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) ogf]  
A040567 12.6868 [-(x^2+32\*x+1)/(8\*x^4+x^3-x-8) lgdogf]  
A040567 16.1694 [- 3\*(8\*x^2+x+8)/(x-1)/(x+1) ogf]

A040567 21.8208  $-(1+32*x+x^2)/(x-1)/(x+1)/(8*x^2+x+8)$  lgdogf  
A040567 9.58885  $[{-a(n+3)+a(n+1), a(0) = 24, a(1) = 3, a(2) = 48}]$ , ogf]  
A040569 7.15342  $[ -(24*x^10+2*x^9+x^8+2*x^7+5*x^6+24*x^5+5*x^4+2*x^3+x^2+2*x+24)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040570 7.38431  $[ -(24*x^10+2*x^9+x^8+x^7+4*x^6+x^5+4*x^4+x^3+x^2+2*x+24)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040573 7.11000  $[ -(24*x^10+2*x^9+4*x^8+x^7+15*x^6+2*x^5+15*x^4+x^3+4*x^2+2*x+24)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040575 12.3081  $[ -(x^2+48*x+1)/(12*x^4+x^3-x-12)$  lgdogf]  
A040575 16.1694  $[ -2*(12*x^2+x+12)/(x-1)/(x+1)$  ogf]  
A040575 20.7018  $-(1+48*x+x^2)/(x-1)/(x+1)/(12*x^2+x+12)$  lgdogf  
A040575 9.58885  $[{-a(n+3)+a(n+1), a(0) = 24, a(1) = 2, a(2) = 48}]$ , ogf]  
A040577 10.3308  $[ -(24*x^6+x^5+x^4+6*x^3+x^2+x+24)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040577 6.50846  $-(1+2*x+2*x^9+5*x^6+18*x^8+4*x^7+18*x^2+4*x^3+5*x^4+288*x^5+x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(24*x^6+x^5+x^4+6*x^3+x^2+x+24)$  lgdogf  
A040578 7.15342  $[ -(24*x^10+x^9+x^8+3*x^7+x^6+23*x^5+x^4+3*x^3+x^2+x+24)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040580 6.20961  $[ -(24*x^12+x^11+x^10+2*x^9+11*x^8+x^7+8*x^6+x^5+11*x^4+2*x^3+x^2+x+24)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A040583 8.50717  $[ -(24*x^8+x^7+x^6+x^5+11*x^4+x^3+x^2+x+24)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040584 6.36640  $[ -(24*x^12+x^11+2*x^10+9*x^9+x^8+x^7+6*x^6+x^5+x^4+9*x^3+2*x^2+x+24)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A040585 8.01243  $[ -(x+1)*(24*x^8-23*x^7+25*x^6-22*x^5+27*x^4-22*x^3+25*x^2-23*x+24)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A040587 8.59288  $[ -(24*x^8+x^7+2*x^6+x^5+4*x^4+x^3+2*x^2+x+24)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040590 10.1585  $-(1+6*x+x^6+3*x^2+192*x^3+3*x^4+6*x^5)/(x-1)/(x+1)/(1+x^2)/(24*x^4+x^3+3*x^2+x+24)$  lgdogf  
A040590 12.6973  $[ -(24*x^4+x^3+3*x^2+x+24)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040591 7.38431  $[ -(24*x^10+x^9+4*x^8+x^7+x^6+6*x^5+x^4+x^3+4*x^2+x+24)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040593 10.3308  $[ -(24*x^6+x^5+6*x^4+8*x^3+6*x^2+x+24)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040595 12.6973  $[ -(24*x^4+x^3+8*x^2+x+24)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040595 9.91660  $-(1+16*x+x^6+3*x^2+192*x^3+3*x^4+16*x^5)/(x-1)/(x+1)/(1+x^2)/(24*x^4+x^3+8*x^2+x+24)$  lgdogf  
A040596 6.11644  $-(1+22*x+22*x^9+5*x^6+6*x^8+44*x^7+6*x^2+44*x^3+5*x^4+288*x^5+x^{10})/(x-1)/(x+1)/(1+x^2)/(24*x^4+x^3-13*x^2+x+24)/(x^2-x+1)/(x^2+x+1)$  lgdogf  
A040596 9.70166  $[ -(x^2+1)*(24*x^4+x^3-13*x^2+x+24)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040598 12.1271  $[ -(x^2-x+1)*(24*x^2+25*x+24)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040598 9.28012  $-(1+46*x+x^6+3*x^2+192*x^3+3*x^4+46*x^5)/(x-1)/(x+1)/(1+x^2)/(24*x^2+25*x+24)/(x^2-x+1)$  lgdogf  
A040599 12.3081  $[ -(x^2+96*x+1)/(24*x^4+x^3-x-24)$  lgdogf]  
A040599 16.1694  $[ -(24*x^2+x+24)/(x-1)/(x+1)$  ogf]  
A040599 20.7018  $-(1+96*x+x^2)/(x-1)/(x+1)/(24*x^2+x+24)$  lgdogf  
A040599 9.58885  $[{-a(n+3)+a(n+1), a(0) = 24, a(1) = 1, a(2) = 48}]$ , ogf]  
A040600 10.7497  $[{a(n+2)-a(n+1), a(0) = 25, a(1) = 50}]$ , ogf]  
A040600 20.3969  $[ -25*(x+1)/(x-1)$  ogf]  
A040600 20.4976  $-1/50*x-1/2+1/50*(x^2+150*x+625)^{(1/2)}$  revogf  
A040600 24.8588  $[2/(-x^2+1)$  lgdogf]  
A040600 37.7338  $[ [2-x]$  ogf\_with\_Euler\_transform]  
A040600 55.6363  $-2/(x-1)/(x+1)$  lgdogf  
A040601 12.4294  $[ -(x^2+4*x+1)/(x^4+x^3-x-1)$  lgdogf]  
A040601 15.2977  $[ -25*(x^2+x+1)/(x-1)/(x+1)$  ogf]

A040601 22.9091  $-(1+4*x+x^2)/(x^2+x+1)/(x-1)/(x+1)$  lgdogf  
A040601 31.6964  $[-x^2+x+1$  ogf\_with\_Euler\_transform]  
A040601 9.14346  $[{-a(n+3)+a(n+1), a(0) = 25, a(1) = 25, a(2) = 50}]$ , ogf]  
A040603 10.6084  $[ -(x+1)*(25*x^4-13*x^3+14*x^2-13*x+25)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A040603 6.83536  $-(12+2*x+3*x^6+12*x^8+2*x^7+3*x^2+48*x^3+250*x^4+48*x^5)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(25*x^4-13*x^3+14*x^2-13*x+25)$  lgdogf  
A040604 12.2382  $[-(2*x^2+20*x+2)/(5*x^4+2*x^3-2*x-5)$  lgdogf]  
A040604 15.2977  $[ -5*(5*x^2+2*x+5)/(x-1)/(x+1)$  ogf]  
A040604 18.9978  $-2*(1+10*x+x^2)/(x-1)/(x+1)/(5*x^2+2*x+5)$  lgdogf  
A040604 9.14346  $[{-a(n+3)+a(n+1), a(0) = 25, a(1) = 10, a(2) = 50}]$ , ogf]  
A040606 12.6973  $[ -(25*x^4+7*x^3+6*x^2+7*x+25)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040606 9.05428  $-(7+12*x+7*x^6+21*x^2+200*x^3+21*x^4+12*x^5)/(x-1)/(x+1)/(1+x^2)/(25*x^4+7*x^3+6*x^2+7*x+25)$  lgdogf  
A040609 12.6868  $[-(x^2+20*x+1)/(5*x^4+x^3-x-5)$  lgdogf]  
A040609 16.1694  $[ -5*(5*x^2+x+5)/(x-1)/(x+1)$  ogf]  
A040609 21.8208  $-(1+20*x+x^2)/(x-1)/(x+1)/(5*x^2+x+5)$  lgdogf  
A040609 9.58885  $[{-a(n+3)+a(n+1), a(0) = 25, a(1) = 5, a(2) = 50}]$ , ogf]  
A040610 6.30482  $[ - (25*x^12+4*x^11+x^10+x^9+3*x^8+3*x^7+12*x^6+3*x^5+3*x^4+x^3+x^2+4*x+25)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A040612 8.59288  $[ -(25*x^8+3*x^7+x^6+6*x^5+2*x^4+6*x^3+x^2+3*x+25)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040613 4.97347  $[ - (25*x^16+3*x^15+x^14+x^13+2*x^12+4*x^11+4*x^10+x^9+4*x^8+x^7+4*x^6+4*x^5+2*x^4+x^3+x^2+3*x+25)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A040614 6.30482  $[ - (25*x^12+3*x^11+2*x^10+x^9+4*x^8+x^7+11*x^6+x^5+4*x^4+x^3+2*x^2+3*x+25)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A040616 10.0445  $[ -(25*x^6+2*x^5+x^4+24*x^3+x^2+2*x+25)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040616 6.25876  $-2*(1+x+x^9+5*x^6+36*x^8+2*x^7+36*x^2+2*x^3+5*x^4+150*x^5+x^10)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(25*x^6+2*x^5+x^4+24*x^3+x^2+2*x+25)$  lgdogf  
A040618 7.38431  $[ -(25*x^10+2*x^9+x^8+x^7+x^6+6*x^5+x^4+x^3+x^2+2*x+25)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040619 6.93443  $[ -(25*x^10+2*x^9+x^8+x^7+12*x^6+10*x^5+12*x^4+x^3+x^2+2*x+25)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040620 12.6973  $[ -(25*x^4+2*x^3+2*x^2+2*x+25)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040620 9.46584  $-2*(1+2*x+x^6+3*x^2+100*x^3+3*x^4+2*x^5)/(x-1)/(x+1)/(1+x^2)/(25*x^4+2*x^3+2*x^2+2*x+25)$  lgdogf  
A040621 4.94590  $[ - (25*x^16+2*x^15+3*x^14+2*x^13+2*x^12+x^11+x^10+4*x^9+25*x^8+4*x^7+x^6+x^5+2*x^4+2*x^3+3*x^2+2*x+25)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A040622 10.3308  $[ -(25*x^6+2*x^5+5*x^4+6*x^3+5*x^2+2*x+25)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040624 12.1271  $[-(2*x^2+100*x+2)/(25*x^4+2*x^3-2*x-25)$  lgdogf]  
A040624 16.1694  $[ -(25*x^2+2*x+25)/(x-1)/(x+1)$  ogf]  
A040624 18.7761  $-2*(1+50*x+x^2)/(x-1)/(x+1)/(25*x^2+2*x+25)$  lgdogf  
A040624 9.58885  $[{-a(n+3)+a(n+1), a(0) = 25, a(1) = 2, a(2) = 50}]$ , ogf]  
A040625 10.0445  $[ -(25*x^6+x^5+x^4+16*x^3+x^2+x+25)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040625 6.35505  $-(1+2*x+2*x^9+5*x^6+48*x^8+4*x^7+48*x^2+4*x^3+5*x^4+300*x^5+x^10)/(x-1)/(x+1)/(25*x^6+x^5+x^4+16*x^3+x^2+x+25)/(x^2-x+1)/(x^2+x+1)$  lgdogf  
A040628 4.94590  $[ - (25*x^16+x^15+x^14+2*x^13+x^12+9*x^11+x^10+x^9+16*x^8+x^7+x^6+9*x^5+x^4+2*x^3+x^2+x+25)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A040629 4.94590  $[ - (25*x^16+x^15+x^14+2*x^13+5*x^12+3*x^11+2*x^10+8*x^9+10*x^8+8*x^7+2*x^6+3*x^5+5*x^4+2*x^3+x^2+x+25)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A040630 7.38431  $[ -(25*x^10+x^9+x^8+x^7+x^6+2*x^5+x^4+x^3+x^2+x+25)/(x-1)/(x+1)/$

$(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040632 8.59288 [  $-(25*x^8+x^7+x^6+x^5+6*x^4+x^3+x^2+x+25)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040633 10.0445 [  $-(25*x^6+x^5+2*x^4+25*x^3+2*x^2+x+25)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040633 6.16535  $-(1+4*x+4*x^9+5*x^6+75*x^8+8*x^7+75*x^2+8*x^3+5*x^4+300*x^5+x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(25*x^6+x^5+2*x^4+25*x^3+2*x^2+x+25)$  lgdogf  
A040634 10.3308 [  $-(25*x^6+x^5+2*x^4+4*x^3+2*x^2+x+25)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040634 6.31271  $-(1+4*x+4*x^9+5*x^6+12*x^8+8*x^7+12*x^2+8*x^3+5*x^4+300*x^5+x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(25*x^6+x^5+2*x^4+4*x^3+2*x^2+x+25)$  lgdogf  
A040637 10.1585  $-(1+4*x+x^6+3*x^2+200*x^3+3*x^4+4*x^5)/(x-1)/(x+1)/(1+x^2)/(25*x^4+x^3+2*x^2+x+25)$  lgdogf  
A040637 12.6973 [  $-(25*x^4+x^3+2*x^2+x+25)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040639 7.38431 [  $-(25*x^{10}+x^9+3*x^8+x^7+2*x^6+2*x^5+2*x^4+x^3+3*x^2+x+25)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040640 4.97347 [  $-(25*x^{16}+x^{15}+4*x^{14}+5*x^{13}+x^{12}+x^{11}+6*x^{10}+x^9+4*x^8+x^7+6*x^6+x^5+x^4+5*x^3+4*x^2+x+25)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A040642 8.50717 [  $-(25*x^8+x^7+5*x^6+2*x^5+12*x^4+2*x^3+5*x^2+x+25)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040645 7.38431 [  $-(25*x^{10}+x^9+9*x^8+2*x^7+x^6+x^5+x^4+2*x^3+9*x^2+x+25)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040646 12.1271 [  $-(25*x^4+x^3+11*x^2+x+25)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040646 9.49848  $-(1+22*x+x^6+3*x^2+200*x^3+3*x^4+22*x^5)/(x-1)/(x+1)/(1+x^2)/(25*x^4+x^3+11*x^2+x+25)$  lgdogf  
A040648 12.1271 [  $-(25*x^2+26*x+25)*(x^2-x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040648 9.28012  $-(1+48*x+x^6+3*x^2+200*x^3+3*x^4+48*x^5)/(x-1)/(x+1)/(1+x^2)/(25*x^2+26*x+25)/(x^2-x+1)$  lgdogf  
A040649 12.1271 [  $-(x^2+100*x+1)/(25*x^4+x^3-x-25)$  lgdogf]  
A040649 16.1694 [  $-(25*x^2+x+25)/(x-1)/(x+1)$  ogf]  
A040649 20.1843  $-(1+100*x+x^2)/(x-1)/(x+1)/(25*x^2+x+25)$  lgdogf  
A040649 9.58885 [  $\{-a(n+3)+a(n+1), a(0) = 25, a(1) = 1, a(2) = 50\}$ , ogf]  
A040650 10.7497 [  $\{a(n+2)-a(n+1), a(0) = 26, a(1) = 52\}$ , ogf]  
A040650 20.3969 [  $-26*(x+1)/(x-1)$  ogf]  
A040650 20.4976  $-1/52*x-1/2+1/52*(x^2+156*x+676)^{(1/2)}$  revogf  
A040650 24.8588 [  $2/(-x^2+1)$  lgdogf]  
A040650 37.7338 [  $[2-x]$  ogf\_with\_Euler\_transform]  
A040650 55.6363  $-2/(x-1)/(x+1)$  lgdogf  
A040651 12.4294 [  $-(x^2+4*x+1)/(x^4+x^3-x-1)$  lgdogf]  
A040651 15.2977 [  $-26*(x^2+x+1)/(x-1)/(x+1)$  ogf]  
A040651 22.9091  $-(1+4*x+x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A040651 31.6964 [  $-x^2+x+1$  ogf\_with\_Euler\_transform]  
A040651 9.14346 [  $\{-a(n+3)+a(n+1), a(0) = 26, a(1) = 26, a(2) = 52\}$ , ogf]  
A040653 12.4294 [  $-(x^2+8*x+1)/(2*x^4+x^3-x-2)$  lgdogf]  
A040653 15.2977 [  $-13*(2*x^2+x+2)/(x-1)/(x+1)$  ogf]  
A040653 21.6363  $-(1+8*x+x^2)/(x-1)/(x+1)/(2*x^2+x+2)$  lgdogf  
A040653 9.14346 [  $\{-a(n+3)+a(n+1), a(0) = 26, a(1) = 13, a(2) = 52\}$ , ogf]  
A040655 7.38431 [  $-(26*x^{10}+8*x^9+x^8+2*x^7+5*x^6+2*x^5+5*x^4+2*x^3+x^2+8*x+26)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040657 8.50717 [  $-(26*x^8+6*x^7+x^6+x^5+12*x^4+x^3+x^2+6*x+26)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040660 7.15342 [  $-(26*x^{10}+4*x^9+x^8+2*x^7+x^6+16*x^5+x^4+2*x^3+x^2+4*x+26)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040661 6.36640 [  $-(26*x^{12}+4*x^{11}+2*x^{10}+x^9+5*x^8+7*x^7+3*x^6+7*x^5+5*x^4+x^3+2*x^2+4*x+26)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A040662 12.3081 [  $-(2*x^2+52*x+2)/(13*x^4+2*x^3-2*x-13)$  lgdogf]  
A040662 16.1694 [  $-2*(13*x^2+2*x+13)/(x-1)/(x+1)$  ogf]



A040662 18.7761  $-2*(1+26*x+x^2)/(x-1)/(x+1)/(13*x^2+2*x+13)$  lgdogf  
A040662 9.58885  $[{-a(n+3)+a(n+1), a(0) = 26, a(1) = 4, a(2) = 52}]$ , ogf]  
A040663 10.3308  $[ -(26*x^6+3*x^5+x^4+2*x^3+x^2+3*x+26)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040666 8.26302  $[ -(26*x^8+3*x^7+12*x^6+x^5+4*x^4+x^3+12*x^2+3*x+26)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040668 8.50717  $[ -(26*x^8+2*x^7+x^6+3*x^5+10*x^4+3*x^3+x^2+2*x+26)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040669 8.59288  $[ -(26*x^8+2*x^7+x^6+x^5+x^4+x^3+x^2+2*x+26)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040670 12.9087  $-(1+2*x+78*x^2+2*x^3+x^4)/(x-1)/(x+1)/(x^2+x+1)/(13*x^2-12*x+13)$  lgdogf  
A040670 14.3006  $[ -2*(x+1)*(13*x^2-12*x+13)/(x-1)/(x^2+x+1)$  ogf]  
A040670 8.60953  $[{a(n+4)-a(n+1), a(0) = 26, a(1) = 2, a(2) = 2, a(3) = 52}]$ , ogf]  
A040671 8.01243  $[ -(x+1)*(26*x^8-24*x^7+26*x^6-25*x^5+26*x^4-25*x^3+26*x^2-24*x+26)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A040673 4.94590  $[ -(26*x^16+2*x^15+5*x^14+2*x^13+x^12+x^11+x^10+x^9+12*x^8+x^7+x^6+x^5+x^4+2*x^3+5*x^2+2*x+26)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A040674 10.5528  $[ -2*(x+1)*(13*x^4-12*x^3+17*x^2-12*x+13)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A040674 6.91705  $-(1+10*x+10*x^7+15*x^6+4*x^5+15*x^2+4*x^3+130*x^4+x^8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(13*x^4-12*x^3+17*x^2-12*x+13)$  lgdogf  
A040675 12.3081  $[-(x^2+52*x+1)/(13*x^4+x^3-x-13)$  lgdogf]  
A040675 16.1694  $[ -2*(13*x^2+x+13)/(x-1)/(x+1)$  ogf]  
A040675 20.7018  $-(1+52*x+x^2)/(x-1)/(x+1)/(13*x^2+x+13)$  lgdogf  
A040675 9.58885  $[{-a(n+3)+a(n+1), a(0) = 26, a(1) = 2, a(2) = 52}]$ , ogf]  
A040676 7.01635  $[ -(26*x^10+x^9+x^8+17*x^7+5*x^6+x^5+5*x^4+17*x^3+x^2+x+26)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040677 8.50717  $[ -(26*x^8+x^7+x^6+7*x^5+13*x^4+7*x^3+x^2+x+26)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040678 7.15342  $[ -(26*x^10+x^9+x^8+4*x^7+3*x^6+10*x^5+3*x^4+4*x^3+x^2+x+26)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040679 8.50717  $[ -(x^2-x+1)*(26*x^6+27*x^5+2*x^4-22*x^3+2*x^2+27*x+26)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040680 8.59288  $[ -(26*x^8+x^7+x^6+2*x^5+3*x^4+2*x^3+x^2+x+26)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040681 6.36640  $[ -(26*x^12+x^11+x^10+x^9+x^8+4*x^7+4*x^6+4*x^5+x^4+x^3+x^2+x+26)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A040683 8.59288  $[ -(26*x^8+x^7+x^6+x^5+4*x^4+x^3+x^2+x+26)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040684 10.4124  $-(1+2*x+x^6+3*x^2+208*x^3+3*x^4+2*x^5)/(x-1)/(x+1)/(1+x^2)/(26*x^4+x^3+x^2+x+26)$  lgdogf  
A040684 12.6973  $[ -(26*x^4+x^3+x^2+x+26)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040685 10.3308  $[ -(26*x^6+x^5+2*x^4+6*x^3+2*x^2+x+26)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040685 6.31271  $-(1+4*x+4*x^9+5*x^6+18*x^8+8*x^7+18*x^2+8*x^3+5*x^4+312*x^5+x^10)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(26*x^6+x^5+2*x^4+6*x^3+2*x^2+x+26)$  lgdogf  
A040687 7.38431  $[ -(26*x^10+x^9+2*x^8+x^7+x^6+2*x^5+x^4+x^3+2*x^2+x+26)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040688 7.38431  $[ -(26*x^10+x^9+2*x^8+x^7+5*x^6+5*x^5+5*x^4+x^3+2*x^2+x+26)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040690 6.14586  $[ -(26*x^12+x^11+3*x^10+2*x^9+12*x^8+x^7+16*x^6+x^5+12*x^4+2*x^3+3*x^2+x+26)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A040693 10.1585  $-(1+8*x+x^6+3*x^2+208*x^3+3*x^4+8*x^5)/(x-1)/(x+1)/(1+x^2)/(26*x^4+x^3+4*x^2+x+26)$  lgdogf  
A040693 12.6973  $[ -(26*x^4+x^3+4*x^2+x+26)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040696 12.6973  $[ -(26*x^4+x^3+7*x^2+x+26)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040696 9.91660  $-(1+14*x+x^6+3*x^2+208*x^3+3*x^4+14*x^5)/(x-1)/(x+1)/(1+x^2)/$

(26\*x^4+x^3+7\*x^2+x+26) lgdogf  
 A040698 6.11644 -(1+24\*x  
 +24\*x^9+5\*x^6+6\*x^8+48\*x^7+6\*x^2+48\*x^3+5\*x^4+312\*x^5+x^10)/(x-1)/(x+1)/(1+x^2)/  
 (x^2+x+1)/(x^2-x+1)/(26\*x^4+x^3-14\*x^2+x+26) lgdogf  
 A040698 9.70166 [ -(x^2+1)\*(26\*x^4+x^3-14\*x^2+x+26)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x  
 +1) ogf]  
 A040699 12.1271 [ -(26\*x^4+x^3+16\*x^2+x+26)/(x-1)/(x+1)/(x^2+1) ogf]  
 A040699 9.49848 -(1+32\*x+x^6+3\*x^2+208\*x^3+3\*x^4+32\*x^5)/(x-1)/(x+1)/(1+x^2)/  
 (26\*x^4+x^3+16\*x^2+x+26) lgdogf  
 A040700 12.1271 [ -(26\*x^2+27\*x+26)\*(x^2-x+1)/(x-1)/(x+1)/(x^2+1) ogf]  
 A040700 9.28012 -(1+50\*x+x^6+3\*x^2+208\*x^3+3\*x^4+50\*x^5)/(x-1)/(x+1)/  
 (26\*x^2+27\*x+26)/(x^2-x+1)/(1+x^2) lgdogf  
 A040701 12.1271 [-(x^2+104\*x+1)/(26\*x^4+x^3-x-26) lgdogf]  
 A040701 16.1694 [ -(26\*x^2+x+26)/(x-1)/(x+1) ogf]  
 A040701 20.1843 -(1+104\*x+x^2)/(x-1)/(x+1)/(26\*x^2+x+26) lgdogf  
 A040701 9.58885 [{-a(n+3)+a(n+1), a(0) = 26, a(1) = 1, a(2) = 52}, ogf]  
 A040702 10.7497 [{a(n+2)-a(n+1), a(0) = 27, a(1) = 54}, ogf]  
 A040702 20.3969 [ -27\*(x+1)/(x-1) ogf]  
 A040702 20.4976 -1/2-1/54\*x+1/54\*(729+162\*x+x^2)^(1/2) revogf  
 A040702 24.8588 [2/(-x^2+1) lgdogf]  
 A040702 37.7338 [[2-x] ogf\_with\_Euler\_transform]  
 A040702 55.6363 -2/(x-1)/(x+1) lgdogf  
 A040703 12.4294 [-(x^2+4\*x+1)/(x^4+x^3-x-1) lgdogf]  
 A040703 15.2977 [ -27\*(x^2+x+1)/(x-1)/(x+1) ogf]  
 A040703 22.9091 -(1+4\*x+x^2)/(x-1)/(x+1)/(x^2+x+1) lgdogf  
 A040703 31.6964 [-x^2+x+1 ogf\_with\_Euler\_transform]  
 A040703 9.14346 [{-a(n+3)+a(n+1), a(0) = 27, a(1) = 27, a(2) = 54}, ogf]  
 A040704 12.2382 [-(2\*x^2+12\*x+2)/(3\*x^4+2\*x^3-2\*x-3) lgdogf]  
 A040704 15.2977 [ -9\*(3\*x^2+2\*x+3)/(x-1)/(x+1) ogf]  
 A040704 19.4727 -2\*(1+6\*x+x^2)/(x-1)/(x+1)/(3\*x^2+2\*x+3) lgdogf  
 A040704 9.14346 [{-a(n+3)+a(n+1), a(0) = 27, a(1) = 18, a(2) = 54}, ogf]  
 A040705 10.6084 [ -(x+1)\*(27\*x^4-14\*x^3+15\*x^2-14\*x+27)/(x-1)/(x^4+x^3+x^2+x+1)  
 ogf]  
 A040705 6.83536 -(13+2\*x+3\*x^6+13\*x^8+2\*x^7+3\*x^2+52\*x^3+270\*x^4+52\*x^5)/(x-1)/  
 (x+1)/(x^4+x^3+x^2+x+1)/(27\*x^4-14\*x^3+15\*x^2-14\*x+27) lgdogf  
 A040706 6.03323 [ -  
 (27\*x^12+10\*x^11+x^10+4\*x^9+x^8+x^7+26\*x^6+x^5+x^4+4\*x^3+x^2+10\*x+27)/(x-1)/(x  
 +1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) ogf]  
 A040707 12.6868 [-(x^2+12\*x+1)/(3\*x^4+x^3-x-3) lgdogf]  
 A040707 16.1694 [ -9\*(3\*x^2+x+3)/(x-1)/(x+1) ogf]  
 A040707 21.8208 -(1+12\*x+x^2)/(x-1)/(x+1)/(3\*x^2+x+3) lgdogf  
 A040707 9.58885 [{-a(n+3)+a(n+1), a(0) = 27, a(1) = 9, a(2) = 54}, ogf]  
 A040708 8.59288 [ -(27\*x^8+7\*x^7+x^6+2\*x^5+x^4+2\*x^3+x^2+7\*x+27)/(x-1)/(x+1)/  
 (x^2+1)/(x^4+1) ogf]  
 A040710 12.6868 [-(2\*x^2+36\*x+2)/(9\*x^4+2\*x^3-2\*x-9) lgdogf]  
 A040710 16.1694 [ -3\*(9\*x^2+2\*x+9)/(x-1)/(x+1) ogf]  
 A040710 19.6920 -2\*(1+18\*x+x^2)/(x-1)/(x+1)/(9\*x^2+2\*x+9) lgdogf  
 A040710 9.58885 [{-a(n+3)+a(n+1), a(0) = 27, a(1) = 6, a(2) = 54}, ogf]  
 A040712 10.0445 [ -(27\*x^6+4\*x^5+x^4+12\*x^3+x^2+4\*x+27)/(x-1)/(x+1)/(x^2+x+1)/  
 (x^2-x+1) ogf]  
 A040713 6.93443 [ -(27\*x^10+4\*x^9+x^8+x^7+13\*x^6+18\*x^5+13\*x^4+x^3+x^2+4\*x+27)/  
 (x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) ogf]  
 A040715 8.50717 [ -(x^2-x+1)\*(27\*x^6+30\*x^5+4\*x^4-19\*x^3+4\*x^2+30\*x+27)/(x-1)/(x  
 +1)/(x^2+1)/(x^4+1) ogf]  
 A040716 7.38431 [ -(27\*x^10+3\*x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+3\*x+27)/(x-1)/(x  
 +1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) ogf]  
 A040719 12.6868 [-(x^2+36\*x+1)/(9\*x^4+x^3-x-9) lgdogf]  
 A040719 16.1694 [ -3\*(9\*x^2+x+9)/(x-1)/(x+1) ogf]  
 A040719 21.8208 -(1+36\*x+x^2)/(x-1)/(x+1)/(9\*x^2+x+9) lgdogf  
 A040719 9.58885 [{-a(n+3)+a(n+1), a(0) = 27, a(1) = 3, a(2) = 54}, ogf]  
 A040720 6.30482 [ -

$(27*x^{12}+2*x^{11}+x^{10}+6*x^9+5*x^8+x^7+12*x^6+x^5+5*x^4+6*x^3+x^2+2*x+27)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A040722 4.97347 [ -  
 $(27*x^{16}+2*x^{15}+x^{14}+x^{13}+2*x^{12}+3*x^{11}+x^{10}+x^9+8*x^8+x^7+x^6+3*x^5+2*x^4+x^3+x^2+2*x+27)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A040724 8.59288 [  $-(27*x^8+2*x^7+2*x^6+x^5+2*x^4+x^3+2*x^2+2*x+27)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040726 8.01243 [  $-(x+1)*(27*x^8-25*x^7+30*x^6-29*x^5+30*x^4-29*x^3+30*x^2-25*x+27)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A040727 12.1271 [  $-(27*x^4+2*x^3+10*x^2+2*x+27)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040727 8.87220  $-2*(1+10*x+x^6+3*x^2+108*x^3+3*x^4+10*x^5)/(x-1)/(x+1)/(1+x^2)/(27*x^4+2*x^3+10*x^2+2*x+27)$  lgdogf  
A040728 12.1271 [  $-(2*x^2+108*x+2)/(27*x^4+2*x^3-2*x-27)$  lgdogf]  
A040728 16.1694 [  $-(27*x^2+2*x+27)/(x-1)/(x+1)$  ogf]  
A040728 18.7761  $-2*(1+54*x+x^2)/(x-1)/(x+1)/(27*x^2+2*x+27)$  lgdogf  
A040728 9.58885 [  $\{-a(n+3)+a(n+1), a(0) = 27, a(1) = 2, a(2) = 54\}$ , ogf]  
A040729 6.54123 [  $-(x+1)*(27*x^{10}-26*x^9+27*x^8-10*x^7+11*x^6-6*x^5+11*x^4-10*x^3+27*x^2-26*x+27)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A040731 10.3308 [  $-(27*x^6+x^5+x^4+4*x^3+x^2+x+27)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040731 6.50846  $-(1+2*x+2*x^9+5*x^6+12*x^8+4*x^7+12*x^2+4*x^3+5*x^4+324*x^5+x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(27*x^6+x^5+x^4+4*x^3+x^2+x+27)$  lgdogf  
A040732 7.38431 [  $-(27*x^{10}+x^9+x^8+3*x^7+5*x^6+x^5+5*x^4+3*x^3+x^2+x+27)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040733 9.32443 [  $-(x+1)*(27*x^6-26*x^5+27*x^4-25*x^3+27*x^2-26*x+27)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)$  ogf]  
A040734 7.38431 [  $-(27*x^{10}+x^9+x^8+x^7+x^6+8*x^5+x^4+x^3+x^2+x+27)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040737 7.11000 [  $-(27*x^{10}+x^9+x^8+x^7+13*x^6+6*x^5+13*x^4+x^3+x^2+x+27)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040739 6.36640 [  $-(27*x^{12}+x^{11}+2*x^{10}+3*x^9+x^8+x^7+x^6+x^5+x^4+3*x^3+2*x^2+x+27)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A040740 8.50717 [  $-(27*x^8+x^7+2*x^6+2*x^5+13*x^4+2*x^3+2*x^2+x+27)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040742 10.1585  $-(1+4*x+x^6+3*x^2+216*x^3+3*x^4+4*x^5)/(x-1)/(x+1)/(1+x^2)/(27*x^4+x^3+2*x^2+x+27)$  lgdogf  
A040742 12.6973 [  $-(27*x^4+x^3+2*x^2+x+27)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040745 6.54123 [  $-(x+1)*(27*x^{10}-26*x^9+30*x^8-17*x^7+18*x^6-16*x^5+18*x^4-17*x^3+30*x^2-26*x+27)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A040746 7.38431 [  $-(27*x^{10}+x^9+4*x^8+x^7+x^6+2*x^5+x^4+x^3+4*x^2+x+27)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040747 6.36640 [ -  
 $(27*x^{12}+x^{11}+5*x^{10}+4*x^9+x^8+8*x^7+2*x^6+8*x^5+x^4+4*x^3+5*x^2+x+27)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A040748 12.6973 [  $-(27*x^4+x^3+5*x^2+x+27)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040748 9.91660  $-(1+10*x+x^6+3*x^2+216*x^3+3*x^4+10*x^5)/(x-1)/(x+1)/(27*x^4+x^3+5*x^2+x+27)/(1+x^2)$  lgdogf  
A040749 12.6973 [  $-(27*x^4+x^3+6*x^2+x+27)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040749 9.91660  $-(1+12*x+x^6+3*x^2+216*x^3+3*x^4+12*x^5)/(x-1)/(x+1)/(1+x^2)/(27*x^4+x^3+6*x^2+x+27)$  lgdogf  
A040751 6.89812 [  $-(27*x^{10}+x^9+10*x^8+5*x^7+2*x^6+27*x^5+2*x^4+5*x^3+10*x^2+x+27)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040752 12.1271 [  $-(27*x^4+x^3+12*x^2+x+27)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040752 9.49848  $-(1+24*x+x^6+3*x^2+216*x^3+3*x^4+24*x^5)/(x-1)/(x+1)/(1+x^2)/(27*x^4+x^3+12*x^2+x+27)$  lgdogf  
A040754 12.1271 [  $-(27*x^2+28*x+27)*(x^2-x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040754 9.28012  $-(1+52*x+x^6+3*x^2+216*x^3+3*x^4+52*x^5)/(x-1)/(x+1)/(1+x^2)/(27*x^2+28*x+27)/(x^2-x+1)$  lgdogf

A040755 12.1271  $[-(x^2+108x+1)/(27x^4+x^3-x-27) \text{ lgdogf}]$   
A040755 16.1694  $[-(27x^2+x+27)/(x-1)/(x+1) \text{ ogf}]$   
A040755 20.1843  $-(1+108x+x^2)/(x-1)/(x+1)/(27x^2+x+27) \text{ lgdogf}$   
A040755 9.58885  $[{-a(n+3)+a(n+1), a(0) = 27, a(1) = 1, a(2) = 54}, \text{ ogf}]$   
A040756 10.7497  $[{a(n+2)-a(n+1), a(0) = 28, a(1) = 56}, \text{ ogf}]$   
A040756 20.3969  $[-28*(x+1)/(x-1) \text{ ogf}]$   
A040756 20.4976  $-1/56*x-1/2+1/56*(x^2+168*x+784)^(1/2) \text{ revogf}$   
A040756 24.8588  $[2/(-x^2+1) \text{ lgdogf}]$   
A040756 37.7338  $[[2-x] \text{ ogf\_with\_Euler\_transform}]$   
A040756 55.6363  $-2/(x-1)/(x+1) \text{ lgdogf}$   
A040757 12.4294  $[-(x^2+4x+1)/(x^4+x^3-x-1) \text{ lgdogf}]$   
A040757 15.2977  $[-28*(x^2+x+1)/(x-1)/(x+1) \text{ ogf}]$   
A040757 22.9091  $-(x^2+4x+1)/(x-1)/(x+1)/(x^2+x+1) \text{ lgdogf}$   
A040757 31.6964  $[-x^2+x+1 \text{ ogf\_with\_Euler\_transform}]$   
A040757 9.14346  $[{-a(n+3)+a(n+1), a(0) = 28, a(1) = 28, a(2) = 56}, \text{ ogf}]$   
A040759 12.4294  $[-(x^2+8x+1)/(2x^4+x^3-x-2) \text{ lgdogf}]$   
A040759 15.2977  $[-14*(2x^2+x+2)/(x-1)/(x+1) \text{ ogf}]$   
A040759 21.6363  $-(1+8x+x^2)/(x-1)/(x+1)/(2x^2+x+2) \text{ lgdogf}$   
A040759 9.14346  $[{-a(n+3)+a(n+1), a(0) = 28, a(1) = 14, a(2) = 56}, \text{ ogf}]$   
A040762 12.6868  $[-(2x^2+28x+2)/(7x^4+2x^3-2x-7) \text{ lgdogf}]$   
A040762 16.1694  $[-4*(7x^2+2x+7)/(x-1)/(x+1) \text{ ogf}]$   
A040762 19.6920  $-2*(1+14x+x^2)/(x-1)/(x+1)/(7x^2+2x+7) \text{ lgdogf}$   
A040762 9.58885  $[{-a(n+3)+a(n+1), a(0) = 28, a(1) = 8, a(2) = 56}, \text{ ogf}]$   
A040763 12.6868  $[-(x^2+16x+1)/(4x^4+x^3-x-4) \text{ lgdogf}]$   
A040763 16.1694  $[-7*(4x^2+x+4)/(x-1)/(x+1) \text{ ogf}]$   
A040763 21.8208  $-(1+16x+x^2)/(x-1)/(x+1)/(4x^2+x+4) \text{ lgdogf}$   
A040763 9.58885  $[{-a(n+3)+a(n+1), a(0) = 28, a(1) = 7, a(2) = 56}, \text{ ogf}]$   
A040764 12.6973  $[-2*(14x^4+3x^3+2x^2+3x+14)/(x-1)/(x+1)/(x^2+1) \text{ ogf}]$   
A040764 9.46584  $-(3+4x+3x^6+9x^2+112x^3+9x^4+4x^5)/(x-1)/(x+1)/(1+x^2)/$   
 $(14x^4+3x^3+2x^2+3x+14) \text{ lgdogf}$   
A040765 6.85686  $[-(x$   
 $+1)*(28x^{10}-23x^9+24x^8-23x^7+24x^6-23x^5+24x^4-23x^3+24x^2-23x+28)/$   
 $(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1) \text{ ogf}]$   
A040766 12.6973  $[-(28x^4+5x^3+9x^2+5x+28)/(x-1)/(x+1)/(x^2+1) \text{ ogf}]$   
A040766 9.05428  $-(5+18x+5x^6+15x^2+224x^3+15x^4+18x^5)/(x-1)/(x+1)/$   
 $(1+x^2)/(28x^4+5x^3+9x^2+5x+28) \text{ lgdogf}$   
A040768 6.54123  $[-(x$   
 $+1)*(28x^{10}-24x^9+27x^8-14x^7+15x^6-11x^5+15x^4-14x^3+27x^2-24x+28)/$   
 $(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1) \text{ ogf}]$   
A040769 12.6868  $[-(x^2+28x+1)/(7x^4+x^3-x-7) \text{ lgdogf}]$   
A040769 16.1694  $[-4*(7x^2+x+7)/(x-1)/(x+1) \text{ ogf}]$   
A040769 21.8208  $-(1+28x+x^2)/(x-1)/(x+1)/(7x^2+x+7) \text{ lgdogf}$   
A040769 9.58885  $[{-a(n+3)+a(n+1), a(0) = 28, a(1) = 4, a(2) = 56}, \text{ ogf}]$   
A040770 12.6973  $[-(28x^4+3x^3+x^2+3x+28)/(x-1)/(x+1)/(x^2+1) \text{ ogf}]$   
A040770 9.68598  $-(3+2x+3x^6+9x^2+224x^3+9x^4+2x^5)/(x-1)/(x+1)/(1+x^2)/$   
 $(28x^4+3x^3+x^2+3x+28) \text{ lgdogf}$   
A040771 8.50717  $[-(28x^8+3x^7+x^6+x^5+13x^4+x^3+x^2+3x+28)/(x-1)/(x+1)/$   
 $(x^2+1)/(x^4+1) \text{ ogf}]$   
A040773 6.30482  $[-($   
 $28x^{12}+3x^{11}+7x^{10}+x^9+3x^8+6x^7+28x^6+6x^5+3x^4+x^3+7x^2+3x+28)/$   
 $(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) \text{ ogf}]$   
A040774 10.0445  $[-(28x^6+2x^5+x^4+27x^3+x^2+2x+28)/(x-1)/(x+1)/(x^2+x+1)/$   
 $(x^2-x+1) \text{ ogf}]$   
A040775 7.15342  $[-(28x^{10}+2x^9+x^8+4x^7+2x^6+18x^5+2x^4+4x^3+x^2+2x$   
 $+28)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) \text{ ogf}]$   
A040781 8.59288  $[-(28x^8+2x^7+5x^6+x^5+4x^4+x^3+5x^2+2x+28)/(x-1)/(x+1)/$   
 $(x^2+1)/(x^4+1) \text{ ogf}]$   
A040783 12.3081  $[-(x^2+56x+1)/(14x^4+x^3-x-14) \text{ lgdogf}]$   
A040783 16.1694  $[-2*(14x^2+x+14)/(x-1)/(x+1) \text{ ogf}]$   
A040783 20.7018  $-(1+56x+x^2)/(x-1)/(x+1)/(14x^2+x+14) \text{ lgdogf}$   
A040783 9.58885  $[{-a(n+3)+a(n+1), a(0) = 28, a(1) = 2, a(2) = 56}, \text{ ogf}]$

A040784 10.0445 [  $-(28*x^6+x^5+x^4+18*x^3+x^2+x+28)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A040784 6.35505  $-(1+2*x+2*x^9+5*x^6+54*x^8+4*x^7+54*x^2+4*x^3+5*x^4+336*x^5+x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(28*x^6+x^5+x^4+18*x^3+x^2+x+28)$  lgdogf  
A040786 6.36640 [  $-(28*x^{12}+x^{11}+x^{10}+4*x^9+x^8+2*x^7+5*x^6+2*x^5+x^4+4*x^3+x^2+x+28)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf ]  
A040787 8.59288 [  $-(28*x^8+x^7+x^6+3*x^5+3*x^4+3*x^3+x^2+x+28)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf ]  
A040788 10.3308 [  $-(28*x^4+x^3-27*x^2+x+28)*(x^2+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A040788 6.55931  $-(1+2*x+2*x^9+5*x^6+6*x^8+4*x^7+6*x^2+4*x^3+5*x^4+336*x^5+x^{10})/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)/(x^2-x+1)/(28*x^4+x^3-27*x^2+x+28)$  lgdogf  
A040789 11.2547 [  $-(x+1)*(28*x^4-27*x^3+28*x^2-27*x+28)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf ]  
A040789 7.44444  $-(1+2*x+2*x^7+3*x^6+4*x^5+3*x^2+4*x^3+280*x^4+x^8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(28*x^4-27*x^3+28*x^2-27*x+28)$  lgdogf  
A040790 7.38431 [  $-(28*x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+28)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf ]  
A040791 6.30482 [  $-(28*x^{12}+x^{11}+x^{10}+x^9+2*x^8+x^7+10*x^6+x^5+2*x^4+x^3+x^2+x+28)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf ]  
A040793 10.0445 [  $-(28*x^6+x^5+2*x^4+28*x^3+2*x^2+x+28)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A040793 6.16535  $-(1+4*x+4*x^9+5*x^6+84*x^8+8*x^7+84*x^2+8*x^3+5*x^4+336*x^5+x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(28*x^6+x^5+2*x^4+28*x^3+2*x^2+x+28)$  lgdogf  
A040795 6.36640 [  $-(28*x^{12}+x^{11}+2*x^{10}+2*x^9+x^8+x^7+6*x^6+x^5+x^4+2*x^3+2*x^2+x+28)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf ]  
A040798 7.15342 [  $-(28*x^{10}+x^9+3*x^8+7*x^7+x^6+27*x^5+x^4+7*x^3+3*x^2+x+28)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf ]  
A040799 10.3308 [  $-(x^2+1)*(28*x^4+x^3-25*x^2+x+28)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A040799 6.45839  $-(1+6*x+6*x^9+5*x^6+6*x^8+12*x^7+6*x^2+12*x^3+5*x^4+336*x^5+x^{10})/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)/(x^2-x+1)/(28*x^4+x^3-25*x^2+x+28)$  lgdogf  
A040801 7.15342 [  $-(28*x^{10}+x^9+4*x^8+3*x^7+x^6+10*x^5+x^4+3*x^3+4*x^2+x+28)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf ]  
A040803 6.30482 [  $-(28*x^{12}+x^{11}+5*x^{10}+2*x^9+2*x^8+x^7+13*x^6+x^5+2*x^4+2*x^3+5*x^2+x+28)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf ]  
A040807 7.01635 [  $-(28*x^{10}+x^9+10*x^8+x^7+x^6+2*x^5+x^4+x^3+10*x^2+x+28)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf ]  
A040808 6.11644  $-(1+26*x+26*x^9+5*x^6+6*x^8+52*x^7+6*x^2+52*x^3+5*x^4+336*x^5+x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(28*x^4+x^3-15*x^2+x+28)/(1+x^2)$  lgdogf  
A040808 9.70166 [  $-(x^2+1)*(28*x^4+x^3-15*x^2+x+28)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A040810 12.1271 [  $-(28*x^2+29*x+28)*(x^2-x+1)/(x-1)/(x+1)/(x^2+1)$  ogf ]  
A040810 9.28012  $-(1+54*x+x^6+3*x^2+224*x^3+3*x^4+54*x^5)/(x-1)/(x+1)/(1+x^2)/(28*x^2+29*x+28)/(x^2-x+1)$  lgdogf  
A040811 12.1271 [  $-(x^2+112*x+1)/(28*x^4+x^3-x-28)$  lgdogf ]  
A040811 16.1694 [  $-(28*x^2+x+28)/(x-1)/(x+1)$  ogf ]  
A040811 20.1843  $-(1+112*x+x^2)/(x-1)/(x+1)/(28*x^2+x+28)$  lgdogf  
A040811 9.58885 [  $\{-a(n+3)+a(n+1), a(0) = 28, a(1) = 1, a(2) = 56\}$ , ogf ]  
A040812 10.7497 [  $\{a(n+2)-a(n+1), a(0) = 29, a(1) = 58\}$ , ogf ]  
A040812 20.3969 [  $-29*(x+1)/(x-1)$  ogf ]  
A040812 20.4976  $-1/58*x-1/2+1/58*(x^2+174*x+841)^{(1/2)}$  revogf  
A040812 24.8588 [  $2/(-x^2+1)$  lgdogf ]  
A040812 37.7338 [  $[2-x]$  ogf\_with\_Euler\_transform ]

A040812 55.6363  $-2/(x-1)/(x+1) \operatorname{lgdogf}$   
A040813 12.4294  $[-(x^2+4x+1)/(x^4+x^3-x-1) \operatorname{lgdogf}]$   
A040813 15.2977  $[-29*(x^2+x+1)/(x-1)/(x+1) \operatorname{ogf}]$   
A040813 22.9091  $-(1+4*x+x^2)/(x-1)/(x+1)/(x^2+x+1) \operatorname{lgdogf}$   
A040813 31.6964  $[-x^2+x+1 \operatorname{ogf\_with\_Euler\_transform}]$   
A040813 9.14346  $[{-a(n+3)+a(n+1), a(0) = 29, a(1) = 29, a(2) = 58}, \operatorname{ogf}]$   
A040815 10.6084  $[-(x+1)*(29*x^4-15*x^3+16*x^2-15*x+29)/(x-1)/(x^4+x^3+x^2+x+1) \operatorname{ogf}]$   
A040815 6.83536  $-(14+2*x+3*x^6+14*x^8+2*x^7+3*x^2+56*x^3+290*x^4+56*x^5)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(29*x^4-15*x^3+16*x^2-15*x+29) \operatorname{lgdogf}$   
A040816 4.87921  $[-(29*x^16+11*x^15+x^14+x^13+x^12+x^11+x^10+x^9+2*x^8+x^7+x^6+x^5+x^4+x^3+x^2+11*x+29)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1) \operatorname{ogf}]$   
A040817 7.38431  $[-(29*x^10+9*x^9+x^8+2*x^7+6*x^6+8*x^5+6*x^4+2*x^3+x^2+9*x+29)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) \operatorname{ogf}]$   
A040818 10.3308  $[-(29*x^6+8*x^5+3*x^4+3*x^3+3*x^2+8*x+29)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) \operatorname{ogf}]$   
A040820 12.6973  $[-(29*x^4+6*x^3+2*x^2+6*x+29)/(x-1)/(x+1)/(x^2+1) \operatorname{ogf}]$   
A040820 9.25549  $-2*(3+2*x+3*x^6+9*x^2+116*x^3+9*x^4+2*x^5)/(x-1)/(x+1)/(29*x^4+6*x^3+2*x^2+6*x+29)/(1+x^2) \operatorname{lgdogf}$   
A040821 6.36640  $[-(29*x^12+5*x^11+x^10+4*x^9+2*x^8+7*x^7+x^6+7*x^5+2*x^4+4*x^3+x^2+5*x+29)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) \operatorname{ogf}]$   
A040822 8.59288  $[-(29*x^8+5*x^7+3*x^6+2*x^5+4*x^4+2*x^3+3*x^2+5*x+29)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \operatorname{ogf}]$   
A040824 8.15265  $[-(29*x^8+4*x^7+2*x^6+11*x^5+4*x^4+11*x^3+2*x^2+4*x+29)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \operatorname{ogf}]$   
A040825 12.6973  $[-(29*x^4+4*x^3+6*x^2+4*x+29)/(x-1)/(x+1)/(x^2+1) \operatorname{ogf}]$   
A040825 9.57465  $-4*(1+3*x+x^6+3*x^2+58*x^3+3*x^4+3*x^5)/(x-1)/(x+1)/(29*x^4+4*x^3+6*x^2+4*x+29)/(1+x^2) \operatorname{lgdogf}$   
A040828 12.6973  $[-(29*x^4+3*x^3+2*x^2+3*x+29)/(x-1)/(x+1)/(x^2+1) \operatorname{ogf}]$   
A040828 9.46584  $-(3+4*x+3*x^6+9*x^2+232*x^3+9*x^4+4*x^5)/(x-1)/(x+1)/(1+x^2)/(29*x^4+3*x^3+2*x^2+3*x+29) \operatorname{lgdogf}$   
A040830 12.1271  $[-(29*x^4+3*x^3+14*x^2+3*x+29)/(x-1)/(x+1)/(x^2+1) \operatorname{ogf}]$   
A040830 8.87220  $-(3+28*x+3*x^6+9*x^2+232*x^3+9*x^4+28*x^5)/(x-1)/(x+1)/(1+x^2)/(29*x^4+3*x^3+14*x^2+3*x+29) \operatorname{lgdogf}$   
A040831 4.79623  $[-(29*x^16+2*x^15+x^14+11*x^13+14*x^12+x^11+x^10+2*x^9+2*x^8+2*x^7+x^6+x^5+14*x^4+11*x^3+x^2+2*x+29)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1) \operatorname{ogf}]$   
A040834 6.30482  $[-(29*x^12+2*x^11+x^10+x^9+5*x^8+x^7+13*x^6+x^5+5*x^4+x^3+x^2+2*x+29)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) \operatorname{ogf}]$   
A040836 8.50717  $[-(x^2+x+1)*(29*x^6-27*x^5+28*x^3-27*x+29)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \operatorname{ogf}]$   
A040837 10.0445  $[-(29*x^6+2*x^5+4*x^4+29*x^3+4*x^2+2*x+29)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) \operatorname{ogf}]$   
A040838 8.15265  $[-(29*x^8+2*x^7+6*x^6+19*x^5+2*x^4+19*x^3+6*x^2+2*x+29)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \operatorname{ogf}]$   
A040840 12.1271  $[-(2*x^2+116*x+2)/(29*x^4+2*x^3-2*x-29) \operatorname{lgdogf}]$   
A040840 16.1694  $[-(29*x^2+2*x+29)/(x-1)/(x+1) \operatorname{ogf}]$   
A040840 18.7761  $-2*(1+58*x+x^2)/(x-1)/(x+1)/(29*x^2+2*x+29) \operatorname{lgdogf}$   
A040840 9.58885  $[{-a(n+3)+a(n+1), a(0) = 29, a(1) = 2, a(2) = 58}, \operatorname{ogf}]$   
A040842 7.15342  $[-(29*x^10+x^9+x^8+7*x^7+x^6+13*x^5+x^4+7*x^3+x^2+x+29)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) \operatorname{ogf}]$   
A040844 8.59288  $[-(29*x^8+x^7+x^6+3*x^5+2*x^4+3*x^3+x^2+x+29)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \operatorname{ogf}]$   
A040845 4.97347  $[-(29*x^16+x^15+x^14+2*x^13+x^12+x^11+x^10+x^9+3*x^8+x^7+x^6+x^5+x^4+2*x^3+x^2+x+29)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1) \operatorname{ogf}]$   
A040846 8.50717  $[-(29*x^8+x^7+x^6+2*x^5+14*x^4+2*x^3+x^2+x+29)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \operatorname{ogf}]$

A040847 5.24978 [  $-(x+1) \cdot (29x^{12} + x^{11} + x^{10} - 28x^9 + x^7 + 32x^6 + x^5 - 28x^3 + x^2 + x + 29) \cdot (x^2 - x + 1) / (x-1) / (x^4 + x^3 + x^2 + x + 1) / (x^2 + x + 1) / (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1)$  ogf]  
A040848 4.94590 [ -  
 $(29x^{16} + x^{15} + x^{14} + x^{13} + 2x^{12} + 2x^{11} + 4x^{10} + x^9 + 28x^8 + x^7 + 4x^6 + 2x^5 + 2x^4 + x^3 + x^2 + x + 29) / (x-1) / (x+1) / (x^2+1) / (x^4+1) / (x^8+1)$  ogf]  
A040850 10.4124  $-(1+2x+x^6+3x^2+232x^3+3x^4+2x^5) / (x-1) / (x+1) / (1+x^2) / (29x^4+x^3+x^2+x+29)$  lgdogf  
A040850 12.6973 [  $-(29x^4+x^3+x^2+x+29) / (x-1) / (x+1) / (x^2+1)$  ogf]  
A040852 8.59288 [  $-(29x^8+x^7+2x^6+3x^5+6x^4+3x^3+2x^2+x+29) / (x-1) / (x+1) / (x^2+1) / (x^4+1)$  ogf]  
A040854 8.59288 [  $-(29x^8+x^7+2x^6+x^5+2x^4+x^3+2x^2+x+29) / (x-1) / (x+1) / (x^2+1) / (x^4+1)$  ogf]  
A040855 10.1585  $-(1+4x+x^6+3x^2+232x^3+3x^4+4x^5) / (x-1) / (x+1) / (1+x^2) / (29x^4+x^3+2x^2+x+29)$  lgdogf  
A040855 12.6973 [  $-(29x^4+x^3+2x^2+x+29) / (x-1) / (x+1) / (x^2+1)$  ogf]  
A040857 6.30482 [ -  
 $(29x^{12} + x^{11} + 3x^{10} + x^9 + x^8 + 2x^7 + 29x^6 + 2x^5 + x^4 + x^3 + 3x^2 + x + 29) / (x-1) / (x+1) / (x^2+x+1) / (x^2-x+1) / (x^2+1) / (x^4-x^2+1)$  ogf]  
A040858 10.1585  $-(1+6x+x^6+3x^2+232x^3+3x^4+6x^5) / (x-1) / (x+1) / (1+x^2) / (29x^4+x^3+3x^2+x+29)$  lgdogf  
A040858 12.6973 [  $-(29x^4+x^3+3x^2+x+29) / (x-1) / (x+1) / (x^2+1)$  ogf]  
A040860 10.1585  $-(1+8x+x^6+3x^2+232x^3+3x^4+8x^5) / (x-1) / (x+1) / (1+x^2) / (29x^4+x^3+4x^2+x+29)$  lgdogf  
A040860 12.6973 [  $-(29x^4+x^3+4x^2+x+29) / (x-1) / (x+1) / (x^2+1)$  ogf]  
A040861 8.59288 [  $-(29x^8+x^7+5x^6+x^5+x^4+x^3+5x^2+x+29) / (x-1) / (x+1) / (x^2+1) / (x^4+1)$  ogf]  
A040862 8.50717 [  $-(29x^8+x^7+6x^6+2x^5+14x^4+2x^3+6x^2+x+29) / (x-1) / (x+1) / (x^2+1) / (x^4+1)$  ogf]  
A040864 12.6973 [  $-(29x^4+x^3+8x^2+x+29) / (x-1) / (x+1) / (x^2+1)$  ogf]  
A040864 9.91660  $-(1+16x+x^6+3x^2+232x^3+3x^4+16x^5) / (x-1) / (x+1) / (1+x^2) / (29x^4+x^3+8x^2+x+29)$  lgdogf  
A040865 12.1271 [  $-(29x^4+x^3+10x^2+x+29) / (x-1) / (x+1) / (x^2+1)$  ogf]  
A040865 9.49848  $-(1+20x+x^6+3x^2+232x^3+3x^4+20x^5) / (x-1) / (x+1) / (1+x^2) / (29x^4+x^3+10x^2+x+29)$  lgdogf  
A040866 12.1271 [  $-(29x^4+x^3+13x^2+x+29) / (x-1) / (x+1) / (x^2+1)$  ogf]  
A040866 9.49848  $-(1+26x+x^6+3x^2+232x^3+3x^4+26x^5) / (x-1) / (x+1) / (1+x^2) / (29x^4+x^3+13x^2+x+29)$  lgdogf  
A040867 12.1271 [  $-(29x^4+x^3+18x^2+x+29) / (x-1) / (x+1) / (x^2+1)$  ogf]  
A040867 9.49848  $-(1+36x+x^6+3x^2+232x^3+3x^4+36x^5) / (x-1) / (x+1) / (1+x^2) / (29x^4+x^3+18x^2+x+29)$  lgdogf  
A040868 12.1271 [  $-(x^2-x+1) \cdot (29x^2+30x+29) / (x-1) / (x+1) / (x^2+1)$  ogf]  
A040868 9.28012  $-(1+56x+x^6+3x^2+232x^3+3x^4+56x^5) / (x-1) / (x+1) / (1+x^2) / (29x^2+30x+29) / (x^2-x+1)$  lgdogf  
A040869 12.1271 [  $-(x^2+116x+1) / (29x^4+x^3-x-29)$  lgdogf]  
A040869 16.1694 [  $-(29x^2+x+29) / (x-1) / (x+1)$  ogf]  
A040869 20.1843  $-(1+116x+x^2) / (x-1) / (x+1) / (29x^2+x+29)$  lgdogf  
A040869 9.58885 [  $\{-a(n+3)+a(n+1), a(0) = 29, a(1) = 1, a(2) = 58\}$ , ogf]  
A040870 10.7497 [  $\{a(n+2)-a(n+1), a(0) = 30, a(1) = 60\}$ , ogf]  
A040870 20.3969 [  $-30 \cdot (x+1) / (x-1)$  ogf]  
A040870 20.4976  $-1/60 \cdot x - 1/2 + 1/60 \cdot (x^2+180x+900)^{1/2}$  revogf  
A040870 24.8588 [  $2 / (-x^2+1)$  lgdogf]  
A040870 37.7338 [  $[2-x]$  ogf\_with\_Euler\_transform]  
A040870 55.6363  $-2 / (x-1) / (x+1)$  lgdogf  
A040871 12.4294 [  $-(x^2+4x+1) / (x^4+x^3-x-1)$  lgdogf]  
A040871 15.2977 [  $-30 \cdot (x^2+x+1) / (x-1) / (x+1)$  ogf]  
A040871 22.9091  $-(1+4x+x^2) / (x-1) / (x+1) / (x^2+x+1)$  lgdogf  
A040871 31.6964 [  $-x^2+x+1$  ogf\_with\_Euler\_transform]  
A040871 9.14346 [  $\{-a(n+3)+a(n+1), a(0) = 30, a(1) = 30, a(2) = 60\}$ , ogf]  
A040872 12.2382 [  $-(2x^2+12x+2) / (3x^4+2x^3-2x-3)$  lgdogf]  
A040872 15.2977 [  $-10 \cdot (3x^2+2x+3) / (x-1) / (x+1)$  ogf]  
A040872 19.4727  $-2 \cdot (1+6x+x^2) / (x-1) / (x+1) / (3x^2+2x+3)$  lgdogf

A040872 9.14346  $[ \{-a(n+3)+a(n+1), a(0) = 30, a(1) = 20, a(2) = 60\}, \text{ogf}]$   
A040873 12.4294  $[ -(x^2+8*x+1)/(2*x^4+x^3-x-2) \text{lgdogf}]$   
A040873 15.2977  $[ -15*(2*x^2+x+2)/(x-1)/(x+1) \text{ogf}]$   
A040873 21.6363  $-(1+8*x+x^2)/(x-1)/(x+1)/(2*x^2+x+2) \text{lgdogf}$   
A040873 9.14346  $[ \{-a(n+3)+a(n+1), a(0) = 30, a(1) = 15, a(2) = 60\}, \text{ogf}]$   
A040874 12.2382  $[ -(2*x^2+20*x+2)/(5*x^4+2*x^3-2*x-5) \text{lgdogf}]$   
A040874 15.2977  $[ -6*(5*x^2+2*x+5)/(x-1)/(x+1) \text{ogf}]$   
A040874 18.9978  $-2*(1+10*x+x^2)/(x-1)/(x+1)/(5*x^2+2*x+5) \text{lgdogf}$   
A040874 9.14346  $[ \{-a(n+3)+a(n+1), a(0) = 30, a(1) = 12, a(2) = 60\}, \text{ogf}]$   
A040875 12.2382  $[ -(x^2+12*x+1)/(3*x^4+x^3-x-3) \text{lgdogf}]$   
A040875 15.2977  $[ -10*(3*x^2+x+3)/(x-1)/(x+1) \text{ogf}]$   
A040875 21.0516  $-(1+12*x+x^2)/(x-1)/(x+1)/(3*x^2+x+3) \text{lgdogf}$   
A040875 9.14346  $[ \{-a(n+3)+a(n+1), a(0) = 30, a(1) = 10, a(2) = 60\}, \text{ogf}]$   
A040877 8.50717  $[ -(30*x^8+7*x^7+x^6+x^5+14*x^4+x^3+x^2+7*x+30)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \text{ogf}]$   
A040878 8.59288  $[ -(30*x^8+6*x^7+x^6+2*x^5+6*x^4+2*x^3+x^2+6*x+30)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \text{ogf}]$   
A040879 12.6868  $[ -(x^2+20*x+1)/(5*x^4+x^3-x-5) \text{lgdogf}]$   
A040879 16.1694  $[ -6*(5*x^2+x+5)/(x-1)/(x+1) \text{ogf}]$   
A040879 21.8208  $-(1+20*x+x^2)/(x-1)/(x+1)/(5*x^2+x+5) \text{lgdogf}$   
A040879 9.58885  $[ \{-a(n+3)+a(n+1), a(0) = 30, a(1) = 6, a(2) = 60\}, \text{ogf}]$   
A040881 12.6868  $[ -(x^2+24*x+1)/(6*x^4+x^3-x-6) \text{lgdogf}]$   
A040881 16.1694  $[ -5*(6*x^2+x+6)/(x-1)/(x+1) \text{ogf}]$   
A040881 21.8208  $-(1+24*x+x^2)/(x-1)/(x+1)/(6*x^2+x+6) \text{lgdogf}$   
A040881 9.58885  $[ \{-a(n+3)+a(n+1), a(0) = 30, a(1) = 5, a(2) = 60\}, \text{ogf}]$   
A040883 11.2547  $[ -(x+1)*(30*x^4-26*x^3+29*x^2-26*x+30)/(x-1)/(x^4+x^3+x^2+x+1) \text{ogf}]$   
A040883 7.18550  $-(4+6*x+6*x^7+9*x^6+16*x^5+9*x^2+16*x^3+300*x^4+4*x^8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(30*x^4-26*x^3+29*x^2-26*x+30) \text{lgdogf}$   
A040884 12.3081  $[ -(2*x^2+60*x+2)/(15*x^4+2*x^3-2*x-15) \text{lgdogf}]$   
A040884 16.1694  $[ -2*(15*x^2+2*x+15)/(x-1)/(x+1) \text{ogf}]$   
A040884 18.7761  $-2*(1+30*x+x^2)/(x-1)/(x+1)/(15*x^2+2*x+15) \text{lgdogf}$   
A040884 9.58885  $[ \{-a(n+3)+a(n+1), a(0) = 30, a(1) = 4, a(2) = 60\}, \text{ogf}]$   
A040886 4.91781  $[ -(30*x^16+3*x^15+x^14+x^13+4*x^12+x^11+14*x^10+3*x^9+8*x^8+3*x^7+14*x^6+x^5+4*x^4+x^3+x^2+3*x+30)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1) \text{ogf}]$   
A040887 7.15342  $[ -(30*x^10+3*x^9+2*x^8+x^7+6*x^6+30*x^5+6*x^4+x^3+2*x^2+3*x+30)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) \text{ogf}]$   
A040889 12.3081  $[ -(x^2+40*x+1)/(10*x^4+x^3-x-10) \text{lgdogf}]$   
A040889 16.1694  $[ -3*(10*x^2+x+10)/(x-1)/(x+1) \text{ogf}]$   
A040889 20.7018  $-(1+40*x+x^2)/(x-1)/(x+1)/(10*x^2+x+10) \text{lgdogf}$   
A040889 9.58885  $[ \{-a(n+3)+a(n+1), a(0) = 30, a(1) = 3, a(2) = 60\}, \text{ogf}]$   
A040892 10.3308  $[ -(30*x^6+2*x^5+x^4+x^3+x^2+2*x+30)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) \text{ogf}]$   
A040892 6.31271  $-(2+2*x+2*x^9+10*x^6+3*x^8+4*x^7+3*x^2+4*x^3+10*x^4+360*x^5+2*x^10)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(30*x^6+2*x^5+x^4+x^3+x^2+2*x+30) \text{lgdogf}$   
A040893 8.50717  $[ -(30*x^8+2*x^7+x^6+x^5+14*x^4+x^3+x^2+2*x+30)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \text{ogf}]$   
A040894 11.2547  $[ -2*(x+1)*(15*x^4-14*x^3+15*x^2-14*x+15)/(x-1)/(x^4+x^3+x^2+x+1) \text{ogf}]$   
A040894 7.44444  $-(1+2*x+2*x^7+3*x^6+4*x^5+3*x^2+4*x^3+150*x^4+x^8)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(15*x^4-14*x^3+15*x^2-14*x+15) \text{lgdogf}$   
A040896 8.59288  $[ -(30*x^8+2*x^7+4*x^6+5*x^5+3*x^4+5*x^3+4*x^2+2*x+30)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \text{ogf}]$   
A040897 4.94590  $[ -(30*x^16+2*x^15+6*x^14+3*x^13+x^12+x^11+x^10+8*x^9+15*x^8+8*x^7+x^6+x^5+x^4+3*x^3+6*x^2+2*x+30)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1) \text{ogf}]$   
A040899 12.3081  $[ -(x^2+60*x+1)/(15*x^4+x^3-x-15) \text{lgdogf}]$   
A040899 16.1694  $[ -2*(15*x^2+x+15)/(x-1)/(x+1) \text{ogf}]$   
A040899 20.7018  $-(1+60*x+x^2)/(x-1)/(x+1)/(15*x^2+x+15) \text{lgdogf}$



A040899 9.58885 [ $\{-a(n+3)+a(n+1), a(0) = 30, a(1) = 2, a(2) = 60\}$ , ogf]  
A040902 8.50717 [ $-(30*x^8+x^7+x^6+5*x^5+20*x^4+5*x^3+x^2+x+30)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040904 8.59288 [ $-(30*x^8+x^7+x^6+2*x^5+x^4+2*x^3+x^2+x+30)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040905 8.59288 [ $-(30*x^8+x^7+x^6+2*x^5+6*x^4+2*x^3+x^2+x+30)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040907 7.38431 [ $-(30*x^{10}+x^9+x^8+x^7+2*x^6+8*x^5+2*x^4+x^3+x^2+x+30)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040908 7.15342 [ $-(30*x^{10}+x^9+x^8+x^7+4*x^6+20*x^5+4*x^4+x^3+x^2+x+30)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040909 8.50717 [ $-(30*x^8+x^7+x^6+x^5+14*x^4+x^3+x^2+x+30)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040911 8.50717 [ $-(30*x^8+x^7+2*x^6+4*x^5+20*x^4+4*x^3+2*x^2+x+30)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040912 10.3308 [ $-(x^2+1)*(30*x^4+x^3-28*x^2+x+30)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040912 6.55931  $-(1+4*x+4*x^9+5*x^6+6*x^8+8*x^7+6*x^2+8*x^3+5*x^4+360*x^5+x^{10})/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)/(x^2-x+1)/(30*x^4+x^3-28*x^2+x+30)$  lgdogf  
A040913 4.97347 [ $-(30*x^{16}+x^{15}+2*x^{14}+x^{13}+x^{12}+x^{11}+2*x^{10}+2*x^9+3*x^8+2*x^7+2*x^6+x^5+x^4+x^3+2*x^2+x+30)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A040914 7.15342 [ $-(30*x^{10}+x^9+2*x^8+x^7+6*x^6+12*x^5+6*x^4+x^3+2*x^2+x+30)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040917 7.15342 [ $-(30*x^{10}+x^9+3*x^8+x^7+3*x^6+20*x^5+3*x^4+x^3+3*x^2+x+30)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040919 4.97347 [ $-(30*x^{16}+x^{15}+4*x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+2*x^8+x^7+x^6+x^5+x^4+x^3+4*x^2+x+30)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A040921 8.59288 [ $-(30*x^8+x^7+5*x^6+x^5+6*x^4+x^3+5*x^2+x+30)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A040926 6.11644  $-(1+28*x+28*x^9+5*x^6+6*x^8+56*x^7+6*x^2+56*x^3+5*x^4+360*x^5+x^{10})/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)/(x^2-x+1)/(30*x^4+x^3-16*x^2+x+30)$  lgdogf  
A040926 9.70166 [ $-(x^2+1)*(30*x^4+x^3-16*x^2+x+30)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040928 12.1271 [ $-(x^2-x+1)*(30*x^2+31*x+30)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040928 9.28012  $-(1+58*x+x^6+3*x^2+240*x^3+3*x^4+58*x^5)/(x-1)/(x+1)/(1+x^2)/(x^2-x+1)/(30*x^2+31*x+30)$  lgdogf  
A040929 12.1271 [ $-(x^2+120*x+1)/(30*x^4+x^3-x-30)$  lgdogf]  
A040929 16.1694 [ $-(30*x^2+x+30)/(x-1)/(x+1)$  ogf]  
A040929 20.1843  $-(1+120*x+x^2)/(x-1)/(x+1)/(30*x^2+x+30)$  lgdogf  
A040929 9.58885 [ $\{-a(n+3)+a(n+1), a(0) = 30, a(1) = 1, a(2) = 60\}$ , ogf]  
A040930 10.7497 [ $\{a(n+2)-a(n+1), a(0) = 31, a(1) = 62\}$ , ogf]  
A040930 20.3969 [ $-31*(x+1)/(x-1)$  ogf]  
A040930 20.4976  $-1/62*x-1/2+1/62*(x^2+186*x+961)^{(1/2)}$  revogf  
A040930 24.8588 [ $2/(-x^2+1)$  lgdogf]  
A040930 37.7338 [ $[2-x]$  ogf\_with\_Euler\_transform]  
A040930 55.6363  $-2/(x-1)/(x+1)$  lgdogf  
A040931 12.4294 [ $-(x^2+4*x+1)/(x^4+x^3-x-1)$  lgdogf]  
A040931 15.2977 [ $-31*(x^2+x+1)/(x-1)/(x+1)$  ogf]  
A040931 22.9091  $-(1+4*x+x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A040931 31.6964 [ $-x^2+x+1$  ogf\_with\_Euler\_transform]  
A040931 9.14346 [ $\{-a(n+3)+a(n+1), a(0) = 31, a(1) = 31, a(2) = 62\}$ , ogf]  
A040933 10.6084 [ $-(x+1)*(31*x^4-16*x^3+17*x^2-16*x+31)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A040933 6.83536  $-(15+2*x+3*x^6+15*x^8+2*x^7+3*x^2+60*x^3+310*x^4+60*x^5)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(31*x^4-16*x^3+17*x^2-16*x+31)$  lgdogf  
A040934 9.70166 [ $-(31*x^6+12*x^5+2*x^4+2*x^3+2*x^2+12*x+31)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A040936 10.3308 [ $-(31*x^6+8*x^5+x^4+6*x^3+x^2+8*x+31)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]

$(x^2-x+1)$  ogf]  
A040936 6.31271  $-2*(4+x$   
 $+x^9+20*x^6+9*x^8+2*x^7+9*x^2+2*x^3+20*x^4+186*x^5+4*x^{10})/(x-1)/(x+1)/(x^2+x$   
 $+1)/(x^2-x+1)/(31*x^6+8*x^5+x^4+6*x^3+x^2+8*x+31)$  lgdogf  
A040937 4.97347 [ -  
 $(31*x^{16}+7*x^{15}+x^{14}+3*x^{13}+3*x^{12}+x^{11}+x^{10}+x^9+2*x^8+x^7+x^6+x^5+3*x^4+3*x^3+x$   
 $^2+7*x+31)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A040938 8.01243 [  $-(x+1)*(31*x^8-25*x^7+26*x^6-17*x^5+18*x^4-17*x^3+26*x^2-25*x$   
 $+31)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A040941 8.59288 [  $-(31*x^8+5*x^7+5*x^6+2*x^5+8*x^4+2*x^3+5*x^2+5*x+31)/(x-1)/(x$   
 $+1)/(x^2+1)/(x^4+1)$  ogf]  
A040943 10.0361  $-4*(1+x+x^6+3*x^2+62*x^3+3*x^4+x^5)/(x-1)/(x+1)/(1+x^2)/$   
 $(31*x^4+4*x^3+2*x^2+4*x+31)$  lgdogf  
A040943 12.6973 [  $-(31*x^4+4*x^3+2*x^2+4*x+31)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040946 7.15342 [  $-(31*x^{10}+3*x^9+x^8+x^7+x^6+30*x^5+x^4+x^3+x^2+3*x+31)/(x-1)/$   
 $(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040947 7.38431 [  $-(x^2+1)*(31*x^8+3*x^7-29*x^6+2*x^5+30*x^4+2*x^3-29*x^2+3*x$   
 $+31)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040948 7.38431 [  $-(31*x^{10}+3*x^9+3*x^8+x^7+x^6+2*x^5+x^4+x^3+3*x^2+3*x+31)/$   
 $(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040950 10.0445 [  $-(31*x^6+2*x^5+x^4+30*x^3+x^2+2*x+31)/(x-1)/(x+1)/(x^2+x+1)/$   
 $(x^2-x+1)$  ogf]  
A040950 6.25876  $-2*(1+x+x^9+5*x^6+45*x^8+2*x^7+45*x^2+2*x^3+5*x^4+186*x^5+x^{10})/$   
 $(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(31*x^6+2*x^5+x^4+30*x^3+x^2+2*x+31)$  lgdogf  
A040951 8.50717 [  $-(x^2-x+1)*(31*x^6+33*x^5+3*x^4-25*x^3+3*x^2+33*x+31)/(x-1)/(x$   
 $+1)/(x^2+1)/(x^4+1)$  ogf]  
A040952 7.38431 [  $-(31*x^{10}+2*x^9+x^8+2*x^7+2*x^6+7*x^5+2*x^4+2*x^3+x^2+2*x+31)/$   
 $(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A040953 11.2547 [  $-(x+1)*(31*x^4-29*x^3+30*x^2-29*x+31)/(x-1)/(x^4+x^3+x^2+x+1)$   
ogf]  
A040953 7.31268  $-(2+2*x+2*x^7+3*x^6+8*x^5+3*x^2+8*x^3+310*x^4+2*x^8)/(x-1)/(x$   
 $+1)/(31*x^4-29*x^3+30*x^2-29*x+31)/(x^4+x^3+x^2+x+1)$  lgdogf  
A040954 12.5175  $-2*(1+2*x+93*x^2+2*x^3+x^4)/(x-1)/(x+1)/(x^2+x+1)/(31*x^2-29*x$   
 $+31)$  lgdogf  
A040954 14.3006 [  $-(x+1)*(31*x^2-29*x+31)/(x-1)/(x^2+x+1)$  ogf]  
A040954 8.60953 [  $\{a(n+4)-a(n+1), a(0) = 31, a(1) = 2, a(2) = 2, a(3) = 62\}$ , ogf]  
A040955 12.6973 [  $-(31*x^4+2*x^3+2*x^2+2*x+31)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040955 9.46584  $-2*(1+2*x+x^6+3*x^2+124*x^3+3*x^4+2*x^5)/(x-1)/(x+1)/(1+x^2)/$   
 $(31*x^4+2*x^3+2*x^2+2*x+31)$  lgdogf  
A040958 12.6973 [  $-(31*x^4+2*x^3+6*x^2+2*x+31)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A040958 9.46584  $-2*(1+6*x+x^6+3*x^2+124*x^3+3*x^4+6*x^5)/(x-1)/(x+1)/(1+x^2)/$   
 $(31*x^4+2*x^3+6*x^2+2*x+31)$  lgdogf  
A040960 12.1271 [  $-(2*x^2+124*x+2)/(31*x^4+2*x^3-2*x-31)$  lgdogf]  
A040960 16.1694 [  $-(31*x^2+2*x+31)/(x-1)/(x+1)$  ogf]  
A040960 18.7761  $-2*(1+62*x+x^2)/(x-1)/(x+1)/(31*x^2+2*x+31)$  lgdogf  
A040960 9.58885 [  $\{-a(n+3)+a(n+1), a(0) = 31, a(1) = 2, a(2) = 62\}$ , ogf]  
A040961 10.0445 [  $-(31*x^6+x^5+x^4+20*x^3+x^2+x+31)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x$   
 $+1)$  ogf]  
A040961 6.35505  $-(1+2*x$   
 $+2*x^9+5*x^6+60*x^8+4*x^7+60*x^2+4*x^3+5*x^4+372*x^5+x^{10})/(x-1)/(x+1)/(x^2+x$   
 $+1)/(x^2-x+1)/(31*x^6+x^5+x^4+20*x^3+x^2+x+31)$  lgdogf  
A040962 10.3308 [  $-(31*x^6+x^5+x^4+8*x^3+x^2+x+31)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x$   
 $+1)$  ogf]  
A040962 6.50846  $-(1+2*x$   
 $+2*x^9+5*x^6+24*x^8+4*x^7+24*x^2+4*x^3+5*x^4+372*x^5+x^{10})/(x-1)/(x+1)/(x^2+x$   
 $+1)/(x^2-x+1)/(31*x^6+x^5+x^4+8*x^3+x^2+x+31)$  lgdogf  
A040963 6.30482 [ -  
 $(31*x^{12}+x^{11}+x^{10}+5*x^9+4*x^8+3*x^7+12*x^6+3*x^5+4*x^4+5*x^3+x^2+x+31)/(x-1)/(x$   
 $+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A040977 16.3700 [  $-(6*x+8)/(x^2-1)$  lgdogf]  
A040977 32.1043  $-2*(4+3*x)/(x-1)/(x+1)$  lgdogf

A040977 33.9972 [[8-x] ogf\_with\_Euler\_transform]  
A040977 5.33541 [ {(-n-3)\*a(n+3)+8\*a(n+2)+(7+n)\*a(n+1), a(0) = 1, a(1) = 8, a(2) = 35}, ogf]  
A040977 8.09304 [ -(x+1)/(x-1)^7 ogf]  
A041001 7.42941 [ (- (16\*x-1)/(-1+4\*x)^(1/2)+I)/(-1+4\*x)^(1/2)/x lgdogf]  
A041001 9.73612 -28+256\*x+(2-40\*x+128\*x^2)\*f(x)+(-8\*x^2+16\*x^3+x)\*f(x)^2 lgdogf  
A041005 10.0036 -32+324\*x+(2-44\*x+144\*x^2)\*f(x)+(-8\*x^2+16\*x^3+x)\*f(x)^2 lgdogf  
A041005 3.07626 [ {(-16\*n^2-184\*n-528)\*a(n+1)+(8\*n^2+78\*n+172)\*a(n+2)+(-n^2-8\*n-15)\*a(n+3), a(0) = 1, a(1) = 16, a(2) = 159}, ogf]  
A041005 7.62912 [ (- (18\*x-1)/(-1+4\*x)^(1/2)+I)/(-1+4\*x)^(1/2)/x lgdogf]  
A041006 11.2858 [ -(x+1)\*(x^2-3\*x-2)/(x^4-10\*x^2+1) ogf]  
A041006 7.33086 -(5+44\*x+x^6-4\*x^5-5\*x^4-8\*x^3+47\*x^2)/(x+1)/(x^2-3\*x-2)/(x^4-10\*x^2+1) lgdogf  
A041007 9.42457 [ -(x^2-2\*x-1)/(x^4-10\*x^2+1) ogf]  
A041007 9.70750 -2\*(x^3-5\*x^2+7\*x+1)\*(x+1)^2/(x^2-2\*x-1)/(x^4-10\*x^2+1) lgdogf  
A041008 5.90996 [ -(x^7-2\*x^6+3\*x^5-5\*x^4-8\*x^3-5\*x^2-3\*x-2)/(x^8-16\*x^4+1) ogf]  
A041009 6.53787 [ -(x^2-x-1)\*(x^4+3\*x^2+1)/(x^8-16\*x^4+1) ogf]  
A041010 10.2573 [ (2\*x^3-3\*x^2+2\*x+1)/(x^2+2\*x-1)/(x^2-2\*x-1) ogf]  
A041010 7.87056 -2\*(-1-3\*x-9\*x^2+2\*x^3+9\*x^4-3\*x^5+x^6)/(x^2+2\*x-1)/(x^2-2\*x-1)/(2\*x^3-3\*x^2+2\*x+1) lgdogf  
A041011 10.9842 [ -x\*(x^2-x-1)/(x^2+2\*x-1)/(x^2-2\*x-1) ogf]  
A041011 9.84825 -(1+10\*x+6\*x^2-4\*x^3-3\*x^4+2\*x^5)/(x^2+2\*x-1)/(x^2-2\*x-1)/(x^2-x-1) lgdogf  
A041014 6.95890 -(10+126\*x+x^6-6\*x^5-10\*x^4-12\*x^3+197\*x^2)/(x^3-3\*x^2-10\*x-3)/(x^4-20\*x^2+1) lgdogf  
A041014 8.17931 [ -(x^3-3\*x^2-10\*x-3)/(x^4-20\*x^2+1) ogf]  
A041015 9.12110 -(3+38\*x+2\*x^5-4\*x^3-9\*x^4+60\*x^2)/(x^2-3\*x-1)/(x^4-20\*x^2+1) lgdogf  
A041015 9.80605 [ -(x^2-3\*x-1)/(x^4-20\*x^2+1) ogf]  
A041016 7.20001 -(7+90\*x+x^6-6\*x^5+95\*x^2-12\*x^3-7\*x^4)/(x+1)/(x^2+4\*x+1)/(x^2-4\*x+1)/(x^2-4\*x-3) lgdogf  
A041016 9.02641 [ -(x+1)\*(x^2-4\*x-3)/(x^2-4\*x+1)/(x^2+4\*x+1) ogf]  
A041017 7.99777 -2\*(x+1)\*(x^4-4\*x^3+2\*x^2+12\*x+1)/(x^2-4\*x+1)/(x^2+4\*x+1)/(x^2-2\*x-1) lgdogf  
A041017 9.73083 [ -(x^2-2\*x-1)/(x^2-4\*x+1)/(x^2+4\*x+1) ogf]  
A041018 5.13656 [ -(x^9-3\*x^8+4\*x^7-7\*x^6+11\*x^5+18\*x^4+11\*x^3+7\*x^2+4\*x+3)/(x^10+36\*x^5-1) ogf]  
A041019 7.67557 [ -(x^4+2\*x^3+4\*x^2+3\*x+1)\*(x^4-3\*x^3+4\*x^2-2\*x+1)/(x^10+36\*x^5-1) ogf]  
A041020 5.90641 [ -(x^7-3\*x^6+4\*x^5-11\*x^4-15\*x^3-11\*x^2-4\*x-3)/(x^8-30\*x^4+1) ogf]  
A041021 6.47928 [ -(x^2-x-1)\*(x^4+4\*x^2+1)/(x^8-30\*x^4+1) ogf]  
A041022 7.47513 -(4+54\*x+x^6-6\*x^5-4\*x^4-12\*x^3+29\*x^2)/(x^3-3\*x^2-4\*x-3)/(x^4-8\*x^2+1) lgdogf  
A041022 8.36072 [ -(x^3-3\*x^2-4\*x-3)/(x^4-8\*x^2+1) ogf]  
A041023 9.31781 -(1+14\*x+2\*x^5-3\*x^4-4\*x^3+8\*x^2)/(x^2-x-1)/(x^4-8\*x^2+1) lgdogf  
A041023 9.54370 [ -(x^2-x-1)/(x^4-8\*x^2+1) ogf]  
A041024 13.0210 [ -(x+4)/(x^2+8\*x-1) ogf]  
A041024 15.9491 (-2-4\*x+(4+17\*x+17\*x^2)^(1/2))/(x+1) revogf  
A041024 18.5215 -(33+8\*x+x^2)/(x+4)/(x^2+8\*x-1) lgdogf  
A041024 7.05957 [ {a(n+2)-8\*a(n+1)-a(n), a(0) = 4, a(1) = 33}, ogf]  
A041024 8.74543 [ -(x^2+8\*x+33)/(x^3+12\*x^2+31\*x-4) lgdogf]  
A041025 14.3346 [ -(-2\*x-8)/(-x^2-8\*x+1) lgdogf]  
A041025 18.7745 1/2/x\*(-1-8\*x+(16\*x+68\*x^2+1)^(1/2)) revogf  
A041025 20.8504 [ -1/(x^2+8\*x-1) ogf]  
A041025 33.7942 -2\*(x+4)/(x^2-1+8\*x) lgdogf  
A041025 8.39100 [ {-a(n+2)+8\*a(n+1)+a(n), a(0) = 1, a(1) = 8}, ogf]  
A041026 5.75193 -(17+280\*x+x^6-8\*x^5-17\*x^4-16\*x^3+575\*x^2)/(1+6\*x+x^2)/(x^2-6\*x+1)/(x^3-4\*x^2-17\*x-4) lgdogf  
A041026 7.55887 [ -(x^3-4\*x^2-17\*x-4)/(x^2+6\*x+1)/(x^2-6\*x+1) ogf]  
A041027 7.44653 -2\*(2+33\*x+x^5-6\*x^4-2\*x^3+68\*x^2)/(1+6\*x+x^2)/(x^2-6\*x+1)/

$(x^2-4x-1)$  lgdogf  
A041027 9.19379 [  $-(x^2-4x-1)/(x^2+6x+1)/(x^2-6x+1)$  ogf]  
A041028 3.98960 [ -  
 $(x^{11}-4x^{10}+9x^9-13x^8+48x^7-61x^6-170x^5-61x^4-48x^3-13x^2-9x-4)/(x^{12}-340x^6+1)$  ogf]  
A041029 4.38591 [ -  
 $(x^{10}-2x^9+3x^8-11x^7+14x^6-39x^5-14x^4-11x^3-3x^2-2x-1)/(x^{12}-340x^6+1)$  ogf]  
A041030 6.27244  $-(9+152x+x^6-8x^5-9x^4-16x^3+159x^2)/(x+1)/(x^2-5x-4)/(x^2+4x-1)/(x^2-4x-1)$  lgdogf  
A041030 8.07259 [  $-(x+1)*(x^2-5x-4)/(x^2+4x-1)/(x^2-4x-1)$  ogf]  
A041031 7.79480  $-2*(x+1)*(x^4-4x^3+2x^2+16x+1)/(x^2+4x-1)/(x^2-4x-1)/(x^2-2x-1)$  lgdogf  
A041031 9.48629 [  $-(x^2-2x-1)/(x^2+4x-1)/(x^2-4x-1)$  ogf]  
A041032 4.29111 [ -  
 $(x^{11}-4x^{10}+5x^9-9x^8+23x^7-32x^6-55x^5-32x^4-23x^3-9x^2-5x-4)/(x^4-5x^2+1)/(x^8+5x^6+24x^4+5x^2+1)$  ogf]  
A041033 4.75698 [  $-(x^6-6x^3-1)*(x^4-x^3+2x^2+x+1)/(x^4-5x^2+1)/(x^8+5x^6+24x^4+5x^2+1)$  ogf]  
A041034 4.00125 [ -  
 $(x^{11}-4x^{10}+5x^9-14x^8+61x^7-136x^6-197x^5-136x^4-61x^3-14x^2-5x-4)/(x^{12}-394x^6+1)$  ogf]  
A041035 4.43603 [  $-(x^{10}-x^9+3x^8-13x^7+29x^6-42x^5-29x^4-13x^3-3x^2-x-1)/(x^{12}-394x^6+1)$  ogf]  
A041036 5.67288 [  $-(x^7-4x^6+5x^5-19x^4-24x^3-19x^2-5x-4)/(x^8-48x^4+1)$  ogf]  
A041037 6.29899 [  $-(x^2-x-1)*(x^4+5x^2+1)/(x^8-48x^4+1)$  ogf]  
A041038 7.22905  $-(5+88x+x^6-8x^5-5x^4-16x^3+47x^2)/(x^3-4x^2-5x-4)/(x^4-10x^2+1)$  lgdogf  
A041038 8.07626 [  $-(x^3-4x^2-5x-4)/(x^4-10x^2+1)$  ogf]  
A041039 9.32930  $-(1+18x+2x^5-3x^4-4x^3+10x^2)/(x^2-x-1)/(x^4-10x^2+1)$  lgdogf  
A041039 9.71214 [  $-(x^2-x-1)/(x^4-10x^2+1)$  ogf]  
A041040 12.0642 [  $-(x+5)/(x^2+10x-1)$  ogf]  
A041040 12.3498  $1/2/(x+1)*(-5-10x+(25+104x+104x^2)^{1/2})$  revogf  
A041040 16.4664  $-(51+10x+x^2)/(5+x)/(x^2+10x-1)$  lgdogf  
A041040 6.60656 [  $\{a(n+2)-10*a(n+1)-a(n), a(0) = 5, a(1) = 51\}$ , ogf]  
A041040 8.16104 [  $-(x^2+10x+51)/(x^3+15x^2+49x-5)$  lgdogf]  
A041041 13.9601 [  $-(-2x-10)/(-x^2-10x+1)$  lgdogf]  
A041041 18.0532  $1/2/x*(-10x-1+(104x^2+20x+1)^{1/2})$  revogf  
A041041 20.5296 [  $-1/(x^2+10x-1)$  ogf]  
A041041 32.6677  $-2*(5+x)/(x^2+10x-1)$  lgdogf  
A041041 8.30958 [  $\{-a(n+2)+10*a(n+1)+a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A041042 6.96975  $-(26+530x+x^6+1349x^2-20x^3-26x^4-10x^5)/(x^3-5x^2-26x-5)/(x^4-52x^2+1)$  lgdogf  
A041042 8.39385 [  $-(x^3-5x^2-26x-5)/(x^4-52x^2+1)$  ogf]  
A041043 10.0718 [  $-(x^2-5x-1)/(x^4-52x^2+1)$  ogf]  
A041043 8.94038  $-(5+102x+260x^2-4x^3-15x^4+2x^5)/(x^2-5x-1)/(x^4-52x^2+1)$  lgdogf  
A041044 5.47555 [  $-(x^7-5x^6+16x^5-37x^4-127x^3-37x^2-16x-5)/(x^4-16x^2+1)/(x^4+16x^2+1)$  ogf]  
A041045 6.30507 [  $-(x^2-3x-1)*(x^4+8x^2+1)/(x^4-16x^2+1)/(x^4+16x^2+1)$  ogf]  
A041046 4.71055 [  $-(x^9-5x^8+11x^7-16x^6+27x^5+70x^4+27x^3+16x^2+11x+5)/(x^{10}+140x^5-1)$  ogf]  
A041047 5.17111 [  $-(x^8-2x^7+3x^6-5x^5+13x^4+5x^3+3x^2+2x+1)/(x^{10}+140x^5-1)$  ogf]  
A041048 11.3366 [  $-(x+1)*(x^2-6x-5)/(x^4-22x^2+1)$  ogf]  
A041048 9.69924  $-(11+230x+x^6-10x^5-11x^4-20x^3+239x^2)/(x+1)/(x^2-6x-5)/(x^4-22x^2+1)$  lgdogf  
A041049 8.62614  $-2*(x+1)*(x^4-4x^3+2x^2+20x+1)/(x^2-2x-1)/(x^4-22x^2+1)$  lgdogf

A041049 9.13355 [  $-(x^2-2*x-1)/(x^4-22*x^2+1)$  ogf]  
A041052 5.64523 [  $-(x^7-5*x^6+6*x^5-11*x^4-17*x^3-11*x^2-6*x-5)/(x^2+2*x-1)/(x^2-2*x-1)/(x^4+6*x^2+1)$  ogf]  
A041053 6.73844 [  $-(x^2-x-1)*(x^4+3*x^2+1)/(x^2+2*x-1)/(x^2-2*x-1)/(x^4+6*x^2+1)$  ogf]  
A041054 5.64101 [  $-(x^7-5*x^6+6*x^5-17*x^4-23*x^3-17*x^2-6*x-5)/(x^8-46*x^4+1)$  ogf]  
A041055 6.55506 [  $-(x^2-x-1)*(x^4+4*x^2+1)/(x^8-46*x^4+1)$  ogf]  
A041056 5.53799 [  $-(x^7-5*x^6+6*x^5-29*x^4-35*x^3-29*x^2-6*x-5)/(x^8-70*x^4+1)$  ogf]  
A041057 6.18740 [  $-(x^2-x-1)*(x^4+6*x^2+1)/(x^8-70*x^4+1)$  ogf]  
A041058 7.71161 [  $-(6+130*x+x^6-10*x^5-20*x^3-6*x^4+69*x^2)/(x^3-5*x^2-6*x-5)/(x^4-12*x^2+1)$  lgdogf]  
A041058 8.83638 [  $-(x^3-5*x^2-6*x-5)/(x^4-12*x^2+1)$  ogf]  
A041059 8.82189 [  $-(1+22*x+2*x^5-3*x^4-4*x^3+12*x^2)/(x^2-x-1)/(x^4-12*x^2+1)$  lgdogf]  
A041059 9.19022 [  $-(x^2-x-1)/(x^4-12*x^2+1)$  ogf]  
A041060 11.6408 [  $-(x+6)/(x^2+12*x-1)$  ogf]  
A041060 14.5596 [  $(-3-6*x+(9+37*x+37*x^2)^{1/2})/(x+1)$  revogf]  
A041060 15.8831 [  $-(73+12*x+x^2)/(x+6)/(x^2+12*x-1)$  lgdogf]  
A041060 6.37473 [  $\{a(n+2)-12*a(n+1)-a(n), a(0) = 6, a(1) = 73\}$ , ogf]  
A041060 7.87466 [  $-(x^2+12*x+73)/(x^3+18*x^2+71*x-6)$  lgdogf]  
A041061 14.3795 [  $-(-2*x-12)/(-x^2-12*x+1)$  lgdogf]  
A041061 18.6051 [  $1/2/x*(-1-12*x+(1+24*x+148*x^2)^{1/2})$  revogf]  
A041061 21.1463 [  $-1/(x^2+12*x-1)$  ogf]  
A041061 33.6663 [  $-2*(x+6)/(x^2-1+12*x)$  lgdogf]  
A041061 8.55923 [  $\{-a(n+2)+12*a(n+1)+a(n), a(0) = 1, a(1) = 12\}$ , ogf]  
A041062 6.62224 [  $-(37+900*x+x^6-12*x^5-24*x^3-37*x^4+2735*x^2)/(x^3-6*x^2-37*x-6)/(x^4-74*x^2+1)$  lgdogf]  
A041062 7.98087 [  $-(x^3-6*x^2-37*x-6)/(x^4-74*x^2+1)$  ogf]  
A041063 10.9996 [  $-2*(3+73*x+222*x^2-2*x^3-9*x^4+x^5)/(x^2-6*x-1)/(x^4-74*x^2+1)$  lgdogf]  
A041063 11.9681 [  $-(x^2-6*x-1)/(x^4-74*x^2+1)$  ogf]  
A041064 6.89521 [  $-(25+612*x+1247*x^2-24*x^3-25*x^4-12*x^5+x^6)/(x^3-6*x^2-25*x-6)/(x^4-50*x^2+1)$  lgdogf]  
A041064 8.30596 [  $-(x^3-6*x^2-25*x-6)/(x^4-50*x^2+1)$  ogf]  
A041065 11.2175 [  $-2*(2+49*x+100*x^2-2*x^3-6*x^4+x^5)/(x^2-4*x-1)/(x^4-50*x^2+1)$  lgdogf]  
A041065 12.2043 [  $-(x^2-4*x-1)/(x^4-50*x^2+1)$  ogf]  
A041066 5.99159 [  $-(19+468*x+x^6-12*x^5-19*x^4-24*x^3+719*x^2)/(x+2)/(x^2-8*x-3)/(x^2-6*x-1)/(x^2+6*x-1)$  lgdogf]  
A041066 7.86649 [  $-(x+2)*(x^2-8*x-3)/(x^2+6*x-1)/(x^2-6*x-1)$  ogf]  
A041067 12.7041 [  $-(x^2-3*x-1)/(x^2+6*x-1)/(x^2-6*x-1)$  ogf]  
A041068 6.80028 [  $-(x^5-6*x^4+13*x^3+32*x^2+13*x+6)/(x^6+64*x^3-1)$  ogf]  
A041069 10.1706 [  $-(x^4-2*x^3+5*x^2+2*x+1)/(x^6+64*x^3-1)$  ogf]  
A041069 7.25087 [  $-2*(1+5*x-27*x^6+3*x^5+130*x^3-3*x^8+10*x^7+x^9+160*x^4+93*x^2)/(x^6+64*x^3-1)/(x^4-2*x^3+5*x^2+2*x+1)$  lgdogf]  
A041070 6.84738 [  $-(13+324*x+x^6-12*x^5-13*x^4-24*x^3+335*x^2)/(x+1)/(x^2-7*x-6)/(x^4-26*x^2+1)$  lgdogf]  
A041070 8.04822 [  $-(x+1)*(x^2-7*x-6)/(x^4-26*x^2+1)$  ogf]  
A041071 11.9707 [  $-2*(x+1)*(x^4-4*x^3+2*x^2+24*x+1)/(x^2-2*x-1)/(x^4-26*x^2+1)$  lgdogf]  
A041071 12.6026 [  $-(x^2-2*x-1)/(x^4-26*x^2+1)$  ogf]  
A041075 4.75846 [  $-(x^2-x-1)*(x^4+3*x^2+1)*(x^8+10*x^4+1)/(x^8+20*x^4+1)/(x^8-20*x^4+1)$  ogf]  
A041077 6.22411 [  $-(x^{10}-x^9+3*x^8-7*x^7+17*x^6-24*x^5-17*x^4-7*x^3-3*x^2-x-1)/(x^2+3*x+1)/(x^2-3*x+1)/(x^4-3*x^3+8*x^2-3*x+1)/(x^4+3*x^3+8*x^2+3*x+1)$  ogf]  
A041080 7.37485 [  $-(x^7-6*x^6+7*x^5-41*x^4-48*x^3-41*x^2-7*x-6)/(x^8-96*x^4+1)$  ogf]  
A041081 8.60532 [  $-(x^2-x-1)*(x^4+7*x^2+1)/(x^8-96*x^4+1)$  ogf]  
A041082 6.51725 [  $-(7+180*x+x^6-12*x^5-7*x^4-24*x^3+95*x^2)/(x^2+4*x+1)/(x^2-4*x$

+1)/(x^3-6\*x^2-7\*x-6) lgdogf  
A041082 8.38327 [ -(x^3-6\*x^2-7\*x-6)/(x^2-4\*x+1)/(x^2+4\*x+1) ogf]  
A041083 10.4451 -(1+26\*x+2\*x^5-3\*x^4-4\*x^3+14\*x^2)/(x^2+4\*x+1)/(x^2-4\*x+1)/(x^2-x-1) lgdogf  
A041083 12.4707 [ -(x^2-x-1)/(x^2-4\*x+1)/(x^2+4\*x+1) ogf]  
A041084 10.5653 [-(x^2+14\*x+99)/(x^3+21\*x^2+97\*x-7) lgdogf]  
A041084 15.6183 [ -(x+7)/(x^2+14\*x-1) ogf]  
A041084 16.0606 1/2/(x+1)\*(-7-14\*x+(49+200\*x+200\*x^2)^(1/2)) revogf  
A041084 21.4141 -(99+14\*x+x^2)/(x+7)/(x^2+14\*x-1) lgdogf  
A041084 8.55289 [{a(n+2)-14\*a(n+1)-a(n), a(0) = 7, a(1) = 99}, ogf]  
A041085 13.4855 [-(2\*x-14)/(-x^2-14\*x+1) lgdogf]  
A041085 17.4342 1/2/x\*(-1-14\*x+(1+28\*x+200\*x^2)^(1/2)) revogf  
A041085 19.8317 [ -1/(x^2+14\*x-1) ogf]  
A041085 31.5476 -2\*(x+7)/(x^2-1+14\*x) lgdogf  
A041085 8.02711 [{-a(n+2)+14\*a(n+1)+a(n), a(0) = 1, a(1) = 14}, ogf]  
A041086 10.2648 [ -(x^3-7\*x^2-50\*x-7)/(x^4-100\*x^2+1) ogf]  
A041086 8.46941 -(50+1414\*x+x^6+4997\*x^2-28\*x^3-50\*x^4-14\*x^5)/(x^3-7\*x^2-50\*x-7)/(x^4-100\*x^2+1) lgdogf  
A041087 10.8198 -(7+198\*x+700\*x^2-4\*x^3-21\*x^4+2\*x^5)/(x^2-7\*x-1)/(x^4-100\*x^2+1) lgdogf  
A041087 12.1265 [ -(x^2-7\*x-1)/(x^4-100\*x^2+1) ogf]  
A041090 5.80677 [ -(x^9-7\*x^8+22\*x^7-29\*x^6+51\*x^5+182\*x^4+51\*x^3+29\*x^2+22\*x+7)/(x^10+364\*x^5-1) ogf]  
A041091 7.03125 [ -(x^8-3\*x^7+4\*x^6-7\*x^5+25\*x^4+7\*x^3+4\*x^2+3\*x+1)/(x^10+364\*x^5-1) ogf]  
A041093 5.74164 [ -  
(x^10-2\*x^9+3\*x^8-20\*x^7+23\*x^6-66\*x^5-23\*x^4-20\*x^3-3\*x^2-2\*x-1)/(x^4-10\*x^2+1)/(x^8+10\*x^6+99\*x^4+10\*x^2+1) ogf]  
A041094 6.90202 [ -(x+1)\*(x^6-8\*x^5+23\*x^4-60\*x^3-29\*x^2-8\*x-7)/(x^8-178\*x^4+1) ogf]  
A041095 8.34708 [ -(x^2-2\*x-1)\*(x^4+6\*x^2+1)/(x^8-178\*x^4+1) ogf]  
A041096 11.2316 [ -(x+1)\*(x^2-8\*x-7)/(x^4-30\*x^2+1) ogf]  
A041096 9.61007 -(15+434\*x+x^6-14\*x^5-15\*x^4-28\*x^3+447\*x^2)/(x+1)/(x^2-8\*x-7)/(x^4-30\*x^2+1) lgdogf  
A041097 12.3944 -2\*(x+1)\*(x^4-4\*x^3+2\*x^2+28\*x+1)/(x^2-2\*x-1)/(x^4-30\*x^2+1) lgdogf  
A041097 13.0410 [ -(x^2-2\*x-1)/(x^4-30\*x^2+1) ogf]  
A041097 6.46475 [-(2\*x^5+6\*x^4+4\*x^3-60\*x^2-58\*x-2)/(-x^6+2\*x^5+31\*x^4-60\*x^3-31\*x^2+2\*x+1) lgdogf]  
A041098 3.96693 [ -  
(x^11-7\*x^10+8\*x^9-15\*x^8+68\*x^7-83\*x^6-151\*x^5-83\*x^4-68\*x^3-15\*x^2-8\*x-7)/(x^12-302\*x^6+1) ogf]  
A041099 4.55753 [ -(x^4-x^3+2\*x^2+x+1)\*(x^6-10\*x^3-1)/(x^12-302\*x^6+1) ogf]  
A041100 4.88648 [ -  
(x^13-7\*x^12+8\*x^11-15\*x^10+23\*x^9-38\*x^8+61\*x^7+99\*x^6+61\*x^5+38\*x^4+23\*x^3+15\*x^2+8\*x+7)/(x^14+198\*x^7-1) ogf]  
A041101 5.46096 [ -(x^12-x^11+2\*x^10-3\*x^9+5\*x^8-8\*x^7+13\*x^6+8\*x^5+5\*x^4+3\*x^3+2\*x^2+x+1)/(x^14+198\*x^7-1) ogf]  
A041104 7.52220 [ -(x^7-7\*x^6+8\*x^5-23\*x^4-31\*x^3-23\*x^2-8\*x-7)/(x^4-8\*x^2+1)/(x^4+8\*x^2+1) ogf]  
A041105 8.72974 [ -(x^2-x-1)\*(x^4+4\*x^2+1)/(x^4-8\*x^2+1)/(x^4+8\*x^2+1) ogf]  
A041108 7.28281 [ -(x^7-7\*x^6+8\*x^5-55\*x^4-63\*x^3-55\*x^2-8\*x-7)/(x^8-126\*x^4+1) ogf]  
A041109 8.07662 [ -(x^2-x-1)\*(x^4+8\*x^2+1)/(x^8-126\*x^4+1) ogf]  
A041110 7.54214 -(8+238\*x+x^6-14\*x^5-28\*x^3-8\*x^4+125\*x^2)/(x^3-7\*x^2-8\*x-7)/(x^4-16\*x^2+1) lgdogf  
A041110 8.75794 [ -(x^3-7\*x^2-8\*x-7)/(x^4-16\*x^2+1) ogf]  
A041111 9.56590 -(1+30\*x+2\*x^5-4\*x^3-3\*x^4+16\*x^2)/(x^2-x-1)/(x^4-16\*x^2+1) lgdogf  
A041111 9.94707 [ -(x^2-x-1)/(x^4-16\*x^2+1) ogf]

A041112 14.4518 [  $-(x+8)/(x^2+16x-1)$  ogf]  
A041112 17.6547  $(-4-8x+(16+65x+65x^2)^{1/2})/(x+1)$  revogf  
A041112 19.2125  $-(129+16x+x^2)/(x+8)/(x^2+16x-1)$  lgdogf  
A041112 7.82100 [  $\{a(n+2)-16a(n+1)-a(n), a(0) = 8, a(1) = 129\}$ , ogf]  
A041112 9.49693 [  $-(x^2+16x+129)/(x^3+24x^2+127x-8)$  lgdogf]  
A041113 14.0744 [  $-(-2x-16)/(-x^2-16x+1)$  lgdogf]  
A041113 18.2090  $1/2/x*(-1-16x+(1+32x+260x^2)^{1/2})$  revogf  
A041113 20.6977 [  $-1/(x^2+16x-1)$  ogf]  
A041113 32.9497  $-2*(x+8)/(x^2-1+16x)$  lgdogf  
A041113 8.37763 [  $\{-a(n+2)+16a(n+1)+a(n), a(0) = 1, a(1) = 16\}$ , ogf]  
A041114 7.24377  $-(65+2096x+x^6-16x^5-32x^3-65x^4+8447x^2)/(x^3-8x^2-65x-8)/(x^4-130x^2+1)$  lgdogf  
A041114 8.79863 [  $-(x^3-8x^2-65x-8)/(x^4-130x^2+1)$  ogf]  
A041115 10.5800 [  $-(x^2-8x-1)/(x^4-130x^2+1)$  ogf]  
A041115 9.42221  $-2*(4+129x+520x^2-2x^3-12x^4+x^5)/(x^2-8x-1)/(x^4-130x^2+1)$  lgdogf  
A041118 10.9966 [  $-(x^3-8x^2-33x-8)/(x^2-8x-1)/(x^2+8x-1)$  ogf]  
A041118 8.14153  $-(33+1072x+x^6-16x^5-33x^4-32x^3+2175x^2)/(x^2-8x-1)/(x^2+8x-1)/(x^3-8x^2-33x-8)$  lgdogf  
A041119 11.7057 [  $-(x^2-4x-1)/(x^2-8x-1)/(x^2+8x-1)$  ogf]  
A041119 9.39084  $-2*(2+65x+x^5-2x^3-6x^4+132x^2)/(x^2+8x-1)/(x^2-4x-1)/(x^2-8x-1)$  lgdogf  
A041123 4.58170 [  $-(x^2-2x-1)*(x^8+4x^6+15x^4+4x^2+1)/(x^{12}-502x^6+1)$  ogf]  
A041126 10.5188 [  $-(x+1)*(x^2-9x-8)/(x^2+6x+1)/(x^2-6x+1)$  ogf]  
A041126 8.05108  $-(17+560x+x^6-16x^5-17x^4-32x^3+575x^2)/(x+1)/(1+6x+x^2)/(x^2-6x+1)/(x^2-9x-8)$  lgdogf  
A041127 10.1335  $-2*(x+1)*(x^4-4x^3+2x^2+32x+1)/(1+6x+x^2)/(x^2-6x+1)/(x^2-2x-1)$  lgdogf  
A041127 12.2717 [  $-(x^2-2x-1)/(x^2+6x+1)/(x^2-6x+1)$  ogf]  
A041129 5.09526 [  $-(x^{12}-x^{11}+2x^{10}-11x^9+57x^8-68x^7+125x^6+68x^5+57x^4+11x^3+2x^2+x+1)/(x^{14}+2136x^7-1)$  ogf]  
A041130 6.49062 [  $-(x^9-8x^8+9x^7-17x^6+26x^5+43x^4+26x^3+17x^2+9x+8)/(x^{10}+86x^5-1)$  ogf]  
A041131 7.38494 [  $-(x^4+2x^3+4x^2+3x+1)*(x^4-3x^3+4x^2-2x+1)/(x^{10}+86x^5-1)$  ogf]  
A041132 7.80147 [  $-(x^7-8x^6+9x^5-17x^4-26x^3-17x^2-9x-8)/(x^8-52x^4+1)$  ogf]  
A041133 8.42742 [  $-(x^2-x-1)*(x^4+3x^2+1)/(x^8-52x^4+1)$  ogf]  
A041137 5.99800 [  $-(x^{10}-x^9+4x^8-9x^7+31x^6-40x^5-31x^4-9x^3-4x^2-x-1)/(x^4-9x^2+1)/(x^8+9x^6+80x^4+9x^2+1)$  ogf]  
A041138 7.59335 [  $-(x^7-8x^6+9x^5-44x^4-53x^3-44x^2-9x-8)/(x^8-106x^4+1)$  ogf]  
A041139 8.31219 [  $-(x^2-x-1)*(x^4+6x^2+1)/(x^8-106x^4+1)$  ogf]  
A041140 7.50641 [  $-(x^7-8x^6+9x^5-71x^4-80x^3-71x^2-9x-8)/(x^8-160x^4+1)$  ogf]  
A041141 7.59030 [  $-(x^2-x-1)*(x^4+9x^2+1)/(x^8-160x^4+1)$  ogf]  
A041142 11.0710 [  $(8x^3-9x^2+8x+1)/(x^2+4x-1)/(x^2-4x-1)$  ogf]  
A041142 8.25069  $-2*(-4-9x-84x^2+2x^3+84x^4-9x^5+4x^6)/(x^2+4x-1)/(x^2-4x-1)/(8x^3-9x^2+8x+1)$  lgdogf  
A041143 10.5888  $-(1+34x+18x^2-4x^3-3x^4+2x^5)/(x^2+4x-1)/(x^2-4x-1)/(x^2-x-1)$  lgdogf  
A041143 11.7712 [  $-x*(x^2-x-1)/(x^2+4x-1)/(x^2-4x-1)$  ogf]  
A041144 15.0802 [  $-(x+9)/(x^2+18x-1)$  ogf]  
A041144 15.5029  $1/2/(x+1)*(-9-18x+(81+328x+328x^2)^{1/2})$  revogf  
A041144 20.0626  $-(163+18x+x^2)/(x+9)/(x^2+18x-1)$  lgdogf  
A041144 8.16105 [  $\{a(n+2)-18a(n+1)-a(n), a(0) = 9, a(1) = 163\}$ , ogf]  
A041144 9.90984 [  $-(x^2+18x+163)/(x^3+27x^2+161x-9)$  lgdogf]  
A041145 12.7685  $1/2/x*(-18x-1+(328x^2+36x+1)^{1/2})$  revogf  
A041145 14.5969 [  $-1/(x^2+18x-1)$  ogf]  
A041145 23.1049  $-2*(9+x)/(x^2-1+18x)$  lgdogf

A041145 5.90826 [ $\{-a(n+2)+18a(n+1)+a(n), a(0) = 1, a(1) = 18\}$ , ogf]  
A041145 9.92588 [ $\frac{-(-2x-18)}{(-x^2-18x+1)}$  lgdogf]  
A041146 10.2622 [ $\frac{-(x^3-9x^2-82x-9)}{(x^4-164x^2+1)}$  ogf]  
A041146 8.36652 [ $\frac{-(82+2970x+x^6-18x^5-82x^4-36x^3+13445x^2)}{(x^3-9x^2-82x-9)}$  lgdogf]  
A041147 10.8028 [ $\frac{-(9+326x+2x^5-27x^4-4x^3+1476x^2)}{(x^2-9x-1)}$  lgdogf]  
A041147 12.2876 [ $\frac{-(x^2-9x-1)}{(x^4-164x^2+1)}$  ogf]  
A041148 9.61274 [ $\frac{-(x^3-9x^2-55x-9)}{(x^4-110x^2+1)}$  ogf]  
A041149 10.4382 [ $\frac{-2(3+109x+x^5-2x^3-9x^4+330x^2)}{(x^2-6x-1)}$  lgdogf]  
A041149 11.5259 [ $\frac{-(x^2-6x-1)}{(x^4-110x^2+1)}$  ogf]  
A041150 4.53685 [ $\frac{-(x^9-9x^8+37x^7-46x^6+83x^5+378x^4+83x^3+46x^2+37x+9)}{(x^{10}+756x^5-1)}$  ogf]  
A041151 7.13594 [ $\frac{-(x^8-4x^7+5x^6-9x^5+41x^4+9x^3+5x^2+4x+1)}{(x^{10}+756x^5-1)}$  ogf]  
A041154 6.99305 [ $\frac{-(28+1026x+1565x^2-36x^3-28x^4-18x^5+x^6)}{(x^3-9x^2-28x-9)}$  lgdogf]  
A041154 8.52569 [ $\frac{-(x^3-9x^2-28x-9)}{(x^4-56x^2+1)}$  ogf]  
A041155 11.1866 [ $\frac{-(3+110x+168x^2-4x^3-9x^4+2x^5)}{(x^2-3x-1)}$  lgdogf]  
A041155 12.3642 [ $\frac{-(x^2-3x-1)}{(x^4-56x^2+1)}$  ogf]  
A041156 4.11301 [ $\frac{-(x^{11}-9x^{10}+19x^9-28x^8+47x^7-75x^6-197x^5-75x^4-47x^3-28x^2-19x-9)}{(x^{12}-394x^6+1)}$  ogf]  
A041157 6.01959 [ $\frac{-(x^{10}-2x^9+3x^8-5x^7+8x^6-21x^5-8x^4-5x^3-3x^2-2x-1)}{(x^{12}-394x^6+1)}$  ogf]  
A041158 5.90550 [ $\frac{-(x^9-9x^8+19x^7-66x^6+217x^5+500x^4+217x^3+66x^2+19x+9)}{(x^{10}+1000x^5-1)}$  ogf]  
A041159 6.54529 [ $\frac{-(x^8-2x^7+7x^6-23x^5+53x^4+23x^3+7x^2+2x+1)}{(x^{10}+1000x^5-1)}$  ogf]  
A041160 7.95439 [ $\frac{-(x+1)(x^2-10x-9)}{(x^2+6x-1)}$  ogf]  
A041161 7.59787 [ $\frac{-2(x+1)(x^4-4x^3+2x^2+36x+1)}{(x^2-6x-1)}$  lgdogf]  
A041161 9.24545 [ $\frac{-(x^2-2x-1)}{(x^2+6x-1)}$  ogf]  
A041170 5.17508 [ $\frac{-(x^7-9x^6+10x^5-29x^4-39x^3-29x^2-10x-9)}{(x^8-78x^4+1)}$  ogf]  
A041171 9.14544 [ $\frac{-(x^2-x-1)(x^4+4x^2+1)}{(x^8-78x^4+1)}$  ogf]  
A041172 5.20552 [ $\frac{-(x^7-9x^6+10x^5-39x^4-49x^3-39x^2-10x-9)}{(x^4+10x^2+1)}$  ogf]  
A041173 8.60532 [ $\frac{-(x^2-x-1)(x^4+5x^2+1)}{(x^4+10x^2+1)}$  ogf]  
A041176 5.40932 [ $\frac{-(x^7-9x^6+10x^5-89x^4-99x^3-89x^2-10x-9)}{(x^4+14x^2-1)}$  ogf]  
A041177 8.45454 [ $\frac{-(x^2-x-1)(x^4+10x^2+1)}{(x^4+14x^2-1)}$  ogf]  
A041178 11.0995 [ $\frac{-(x^3-9x^2-10x-9)}{(x^4-20x^2+1)}$  ogf]  
A041178 9.37117 [ $\frac{-(10+378x+x^6-18x^5-36x^3-10x^4+197x^2)}{(x^3-9x^2-10x-9)}$  lgdogf]  
A041179 12.2754 [ $\frac{-(1+38x+2x^5-3x^4-4x^3+20x^2)}{(x^2-x-1)}$  lgdogf]  
A041179 12.7090 [ $\frac{-(x^2-x-1)}{(x^4-20x^2+1)}$  ogf]  
A041180 11.7983 [ $\frac{-(x+10)}{(x^2+20x-1)}$  ogf]  
A041180 13.5857 [ $\frac{(-5-10x+(25+101x+101x^2)^{1/2})}{(x+1)}$  revogf]  
A041180 15.5265 [ $\frac{-(201+20x+x^2)}{(x+10)}$  lgdogf]  
A041180 6.44788 [ $\{a(n+2)-20a(n+1)-a(n), a(0) = 10, a(1) = 201\}$ , ogf]  
A041180 7.81011 [ $\frac{-(x^2+20x+201)}{(x^3+30x^2+199x-10)}$  lgdogf]  
A041181 11.6728 [ $\frac{-(-2x-20)}{(-x^2-20x+1)}$  lgdogf]  
A041181 15.0607 [ $\frac{1/2x(-20x-1+(404x^2+40x+1)^{1/2})}{(x+1)}$  revogf]  
A041181 17.1659 [ $\frac{-1}{(x^2+20x-1)}$  ogf]  
A041181 26.0140 [ $\frac{-2(10+x)}{(x^2-1+20x)}$  lgdogf]  
A041181 6.94811 [ $\{-a(n+2)+20a(n+1)+a(n), a(0) = 1, a(1) = 20\}$ , ogf]



A041182 7.06815 [  $-(x^3-10x^2-101x-10)/(x^4-202x^2+1)$  ogf]  
A041183 11.1889 [  $-(x^2-10x-1)/(x^4-202x^2+1)$  ogf]  
A041183 9.84410  $-2*(5+201x+x^5-2x^3-15x^4+1010x^2)/(x^2-10x-1)/$   
 $(x^4-202x^2+1)$  lgdogf  
A041186 6.90202  $-(51+2060x+x^6-51x^4-40x^3-20x^5+5199x^2)/(x^2+10x-1)/$   
 $(x^2-10x-1)/(x^3-10x^2-51x-10)$  lgdogf  
A041186 9.33809 [  $-(x^3-10x^2-51x-10)/(x^2+10x-1)/(x^2-10x-1)$  ogf]  
A041187 11.3228 [  $-(x^2-5x-1)/(x^2+10x-1)/(x^2-10x-1)$  ogf]  
A041187 8.74753  $-(5+202x+2x^5-15x^4-4x^3+510x^2)/(x^2+10x-1)/(x^2-10x-1)/$   
 $(x^2-5x-1)$  lgdogf  
A041188 6.62670  $-(41+1660x+x^6+3359x^2-40x^3-41x^4-20x^5)/$   
 $(x^3-10x^2-41x-10)/(x^4-82x^2+1)$  lgdogf  
A041188 8.04277 [  $-(x^3-10x^2-41x-10)/(x^4-82x^2+1)$  ogf]  
A041189 10.0019  $-2*(2+81x+164x^2-2x^3-6x^4+x^5)/(x^2-4x-1)/(x^4-82x^2+1)$   
lgdogf  
A041189 10.8983 [  $-(x^2-4x-1)/(x^4-82x^2+1)$  ogf]  
A041198 10.7514 [  $-(x+1)*(x^2-11x-10)/(x^4-42x^2+1)$  ogf]  
A041198 9.23399  $-(21+860x+x^6-20x^5-40x^3-21x^4+879x^2)/(1+x)/$   
 $(x^2-11x-10)/(x^4-42x^2+1)$  lgdogf  
A041199 11.0247  $-2*(x+1)*(x^4-4x^3+2x^2+40x+1)/(x^2-2x-1)/(x^4-42x^2+1)$   
lgdogf  
A041199 11.6181 [  $-(x^2-2x-1)/(x^4-42x^2+1)$  ogf]  
A041201 4.53628 [  $-(x^2-2x-1)*(x^4-x^3+2x^2+x+1)*(x^4+2x^3+5x^2-2x+1)/$   
 $(x^{12}-590x^6+1)$  ogf]  
A041202 3.85825 [ -  
 $(x^{11}-10x^{10}+11x^9-21x^8+53x^7-74x^6-127x^5-74x^4-53x^3-21x^2-11x-10)/$   
 $(x^6+16x^3+1)/(x^6-16x^3+1)$  ogf]  
A041203 4.86607 [  $-(x^6-6x^3-1)*(x^4-x^3+2x^2+x+1)/(x^6+16x^3+1)/$   
 $(x^6-16x^3+1)$  ogf]  
A041216 5.35970 [  $-(x^7-10x^6+11x^5-109x^4-120x^3-109x^2-11x-10)/$   
 $(x^8-240x^4+1)$  ogf]  
A041217 8.55516 [  $-(x^2-x-1)*(x^4+11x^2+1)/(x^8-240x^4+1)$  ogf]  
A041218 6.47827  $-(11+460x+x^6-20x^5-11x^4-40x^3+239x^2)/$   
 $(x^3-10x^2-11x-10)/(x^4-22x^2+1)$  lgdogf  
A041218 7.68470 [  $-(x^3-10x^2-11x-10)/(x^4-22x^2+1)$  ogf]  
A041219 12.7118  $-(1+42x+2x^5-3x^4-4x^3+22x^2)/(x^2-x-1)/(x^4-22x^2+1)$   
lgdogf  
A041219 13.1530 [  $-(x^2-x-1)/(x^4-22x^2+1)$  ogf]  
A041219 6.52030 [  $-(-2x^5+3x^4+4x^3-22x^2-42x-1)/(-$   
 $x^6+x^5+23x^4-22x^3-23x^2+x+1)$  lgdogf]  
A041220 13.8646 [  $-(x+11)/(x^2+22x-1)$  ogf]  
A041220 13.9197  $1/2/(x+1)*(-11-22x+(121+488x+488x^2)^{(1/2)})$  revogf  
A041220 18.2944  $-(243+22x+x^2)/(x+11)/(x^2+22x-1)$  lgdogf  
A041220 7.57719 [  $\{a(n+2)-22a(n+1)-a(n), a(0) = 11, a(1) = 243\}$ , ogf]  
A041220 9.17800 [  $-(x^2+22x+243)/(x^3+33x^2+241x-11)$  lgdogf]  
A041221 13.7004 [  $-(-2x-22)/(-x^2-22x+1)$  lgdogf]  
A041221 17.7225  $1/2/x*(-22x-1+(488x^2+44x+1)^{(1/2)})$  revogf  
A041221 20.1476 [  $-1/(x^2+22x-1)$  ogf]  
A041221 30.6116  $-2*(x+11)/(x^2-1+22x)$  lgdogf  
A041221 8.15498 [  $\{-a(n+2)+22a(n+1)+a(n), a(0) = 1, a(1) = 22\}$ , ogf]  
A041222 9.40387 [  $-(x^3-11x^2-122x-11)/(x^4-244x^2+1)$  ogf]  
A041223 10.0024  $-(11+486x+2x^5-33x^4-4x^3+2684x^2)/(x^2-11x-1)/$   
 $(x^4-244x^2+1)$  lgdogf  
A041223 11.5324 [  $-(x^2-11x-1)/(x^4-244x^2+1)$  ogf]  
A041226 5.66629 [  $-(x^9-11x^8+56x^7-67x^6+123x^5+682x^4+123x^3+67x^2+56x$   
 $+11)/(x^2+4x-1)/(x^4+3x^3+19x^2+7x+1)/(x^4-7x^3+19x^2-3x+1)$  ogf]  
A041227 6.35154 [  $-(x^8-5x^7+6x^6-11x^5+61x^4+11x^3+6x^2+5x+1)/$   
 $(x^2+4x-1)/(x^4+3x^3+19x^2+7x+1)/(x^4-7x^3+19x^2-3x+1)$  ogf]  
A041228 6.23880 [  $-(x^7-11x^6+45x^5-101x^4-449x^3-101x^2-45x-11)/$   
 $(x^4-30x^2+1)/(x^4+30x^2+1)$  ogf]  
A041229 8.01422 [  $-(x^2-4x-1)*(x^4+10x^2+1)/(x^4-30x^2+1)/(x^4+30x^2+1)$  ogf]

A041232 4.73787 [  $-(x^7-11x^6+34x^5-181x^4-577x^3-181x^2-34x-11)/(x^2+6x+1)/(x^2-6x+1)/(x^4+34x^2+1)$  ogf]  
A041233 7.42616 [  $-(x^2-3x-1)*(x^4+17x^2+1)/(x^2+6x+1)/(x^2-6x+1)/(x^4+34x^2+1)$  ogf]  
A041236 8.12377 [  $-(x^5-11x^4+23x^3+57x^2+23x+11)/(x^6+114x^3-1)$  ogf]  
A041237 9.36465 [  $-(x^4-2x^3+5x^2+2x+1)/(x^6+114x^3-1)$  ogf]  
A041240 10.0602 [  $-(x+1)*(x^2-12x-11)/(x^4-46x^2+1)$  ogf]  
A041240 8.41941  $-(23+1034x+x^6+1055x^2-44x^3-23x^4-22x^5)/(x+1)/(x^2-12x-11)/(x^4-46x^2+1)$  lgdogf  
A041241 11.1277  $-2*(1+x)*(x^4-4x^3+2x^2+44x+1)/(x^2-2x-1)/(x^4-46x^2+1)$  lgdogf  
A041241 11.7246 [  $-(x^2-2x-1)/(x^4-46x^2+1)$  ogf]  
A041247 4.83799 [  $-(x^2-x-1)*(x^4+3x^2+1)*(x^8+7x^4+1)/(x^{16}-488x^8+1)$  ogf]  
A041248 6.96834 [  $-(x^7-11x^6+12x^5-23x^4-35x^3-23x^2-12x-11)/(x^8-70x^4+1)$  ogf]  
A041249 8.26859 [  $-(x^2-x-1)*(x^4+3x^2+1)/(x^8-70x^4+1)$  ogf]  
A041252 7.28224 [  $-(x^7-11x^6+12x^5-35x^4-47x^3-35x^2-12x-11)/(x^8-94x^4+1)$  ogf]  
A041253 8.60532 [  $-(x^2-x-1)*(x^4+4x^2+1)/(x^8-94x^4+1)$  ogf]  
A041256 5.13229 [  $-(x^7-11x^6+12x^5-59x^4-71x^3-59x^2-12x-11)/(x^4+12x^2+1)/(x^4-12x^2+1)$  ogf]  
A041257 6.25133 [  $-(x^2-x-1)*(x^4+6x^2+1)/(x^4+12x^2+1)/(x^4-12x^2+1)$  ogf]  
A041258 5.33642 [  $-(x^7-11x^6+12x^5-83x^4-95x^3-83x^2-12x-11)/(x^8-190x^4+1)$  ogf]  
A041259 7.80512 [  $-(x^2-x-1)*(x^4+8x^2+1)/(x^8-190x^4+1)$  ogf]  
A041260 5.47313 [  $-(x^7-11x^6+12x^5-131x^4-143x^3-131x^2-12x-11)/(x^8-286x^4+1)$  ogf]  
A041261 8.00661 [  $-(x^2-x-1)*(x^4+12x^2+1)/(x^8-286x^4+1)$  ogf]  
A041262 6.55316  $-(12+550x+x^6-22x^5-12x^4-44x^3+285x^2)/(x^3-11x^2-12x-11)/(x^4-24x^2+1)$  lgdogf  
A041262 7.77154 [  $-(x^3-11x^2-12x-11)/(x^4-24x^2+1)$  ogf]  
A041263 11.7965  $-(1+46x+2x^5-3x^4-4x^3+24x^2)/(x^2-x-1)/(x^4-24x^2+1)$  lgdogf  
A041263 12.2191 [  $-(x^2-x-1)/(x^4-24x^2+1)$  ogf]  
A041264 14.1660 [  $-(x+12)/(x^2+24x-1)$  ogf]  
A041264 16.3618  $(-6-12x+(36+145x+145x^2)^{1/2})/(x+1)$  revogf  
A041264 18.6992  $-(289+24x+x^2)/(x+12)/(x^2+24x-1)$  lgdogf  
A041264 7.74191 [  $\{a(n+2)-24a(n+1)-a(n), a(0) = 12, a(1) = 289\}$ , ogf]  
A041264 9.37752 [  $-(x^2+24x+289)/(x^3+36x^2+287x-12)$  lgdogf]  
A041265 12.2961 [  $-(-2x-24)/(-x^2-24x+1)$  lgdogf]  
A041265 15.8809  $1/2/x*(-24x-1+(580x^2+48x+1)^{1/2})$  revogf  
A041265 18.0826 [  $-1/(x^2+24x-1)$  ogf]  
A041265 27.4306  $-2*(12+x)/(x^2-1+24x)$  lgdogf  
A041265 7.31913 [  $\{-a(n+2)+24a(n+1)+a(n), a(0) = 1, a(1) = 24\}$ , ogf]  
A041266 9.64814 [  $-(x^3-12x^2-145x-12)/(x^4-290x^2+1)$  ogf]  
A041267 10.4535 [  $-(x^2-12x-1)/(x^4-290x^2+1)$  ogf]  
A041267 9.18879  $-2*(6+289x+x^5-18x^4-2x^3+1740x^2)/(x^2-12x-1)/(x^4-290x^2+1)$  lgdogf  
A041268 9.20790 [  $-(x^3-12x^2-97x-12)/(x^2-14x+1)/(x^2+14x+1)$  ogf]  
A041269 11.2787 [  $-(x^2-8x-1)/(x^2-14x+1)/(x^2+14x+1)$  ogf]  
A041269 8.71554  $-2*(4+193x-2x^3+776x^2-12x^4+x^5)/(x^2-14x+1)/(x^2+14x+1)/(x^2-8x-1)$  lgdogf  
A041270 5.69656  $-(73+3528x+10655x^2-48x^3-73x^4-24x^5+x^6)/(x^2-12x-1)/(x^2+12x-1)/(x^3-12x^2-73x-12)$  lgdogf  
A041270 7.81157 [  $-(x^3-12x^2-73x-12)/(x^2-12x-1)/(x^2+12x-1)$  ogf]  
A041271 11.9829 [  $-(x^2-6x-1)/(x^2-12x-1)/(x^2+12x-1)$  ogf]  
A041271 9.39202  $-2*(3+145x+438x^2-2x^3-9x^4+x^5)/(x^2-12x-1)/(x^2-6x-1)/(x^2+12x-1)$  lgdogf  
A041274 6.25717  $-(49+2376x+x^6-49x^4-48x^3-24x^5+4799x^2)/(x+3)/(x^2-10x+1)/(x^2+10x+1)/(x^2-15x-4)$  lgdogf  
A041274 8.41977 [  $-(x+3)*(x^2-15x-4)/(x^2-10x+1)/(x^2+10x+1)$  ogf]

A041275 7.66361  $-2*(2+97*x+196*x^2-2*x^3-6*x^4+x^5)/(x^2-10*x+1)/(x^2+10*x+1)/(x^2-4*x-1)$  lgdogf  
A041275 9.84864 [  $-(x^2-4*x-1)/(x^2-10*x+1)/(x^2+10*x+1)$  ogf]  
A041278 8.18346  $-(37+1800*x+2735*x^2-48*x^3-37*x^4-24*x^5+x^6)/(x^3-12*x^2-37*x-12)/(x^4-74*x^2+1)$  lgdogf  
A041278 9.89893 [  $-(x^3-12*x^2-37*x-12)/(x^4-74*x^2+1)$  ogf]  
A041279 10.7283  $-(3+146*x+2*x^5-4*x^3-9*x^4+222*x^2)/(x^2-3*x-1)/(x^4-74*x^2+1)$  lgdogf  
A041279 11.8631 [  $-(x^2-3*x-1)/(x^4-74*x^2+1)$  ogf]  
A041284 4.86462 [  $-(x+1)*(x^6-13*x^5+38*x^4-150*x^3-99*x^2-13*x-12)/(x^8-498*x^4+1)$  ogf]  
A041285 8.18715 [  $-(x^2-2*x-1)*(x^4+10*x^2+1)/(x^8-498*x^4+1)$  ogf]  
A041286 6.83401  $-(25+1224*x+x^6+1247*x^2-48*x^3-25*x^4-24*x^5)/(x+1)/(x^2-13*x-12)/(x^4-50*x^2+1)$  lgdogf  
A041286 8.19322 [  $-(x+1)*(x^2-13*x-12)/(x^4-50*x^2+1)$  ogf]  
A041287 11.4884  $-2*(x+1)*(x^4-4*x^3+2*x^2+48*x+1)/(x^2-2*x-1)/(x^4-50*x^2+1)$  lgdogf  
A041287 12.0977 [  $-(x^2-2*x-1)/(x^4-50*x^2+1)$  ogf]  
A041293 3.72136 [  $-(165459*x^15+1228670*x^10-53423*x^5-5294)/(x^2+x-1)/(1278984*x^15+14018510*x^10-483*x^5-5294)$  ogf]  
A041303 5.54363 [  $-(x^10-x^9+5*x^8-31*x^7+129*x^6-160*x^5-129*x^4-31*x^3-5*x^2-x-1)/(x^6-64*x^3-1)/(x^6+64*x^3-1)$  ogf]  
A041304 4.76479 [  $-(x^11-12*x^10+13*x^9-77*x^8+167*x^7-912*x^6-1079*x^5-912*x^4-167*x^3-77*x^2-13*x-12)/(x^4-13*x^2+1)/(x^8+13*x^6+168*x^4+13*x^2+1)$  ogf]  
A041305 5.27265 [  $-(x^10-x^9+6*x^8-13*x^7+71*x^6-84*x^5-71*x^4-13*x^3-6*x^2-x-1)/(x^4-13*x^2+1)/(x^8+13*x^6+168*x^4+13*x^2+1)$  ogf]  
A041308 6.73514 [  $-(x^7-12*x^6+13*x^5-155*x^4-168*x^3-155*x^2-13*x-12)/(x^8-336*x^4+1)$  ogf]  
A041309 7.67052 [  $-(x^2-x-1)*(x^4+13*x^2+1)/(x^8-336*x^4+1)$  ogf]  
A041310 10.6334 [  $-(x^3-12*x^2-13*x-12)/(x^4-26*x^2+1)$  ogf]  
A041310 9.01453  $-(13+648*x+x^6-24*x^5-13*x^4-48*x^3+335*x^2)/(x^3-12*x^2-13*x-12)/(x^4-26*x^2+1)$  lgdogf  
A041311 12.0120  $-(1+50*x+2*x^5-3*x^4-4*x^3+26*x^2)/(x^2-x-1)/(x^4-26*x^2+1)$  lgdogf  
A041311 12.4382 [  $-(x^2-x-1)/(x^4-26*x^2+1)$  ogf]  
A041312 14.4674 [  $-(x+13)/(x^2+26*x-1)$  ogf]  
A041312 14.5356  $1/2/(x+1)*(-13-26*x+(169+680*x+680*x^2)^(1/2))$  revogf  
A041312 19.1039  $-(339+26*x+x^2)/(x+13)/(x^2+26*x-1)$  lgdogf  
A041312 7.90663 [  $\{a(n+2)-26*a(n+1)-a(n), a(0) = 13, a(1) = 339\}$ , ogf]  
A041312 9.57704  $[-(x^2+26*x+339)/(x^3+39*x^2+337*x-13)$  lgdogf]  
A041313 12.5228 [  $-(-2*x-26)/(-x^2-26*x+1)$  lgdogf]  
A041313 16.1791  $1/2/x*(-26*x-1+(680*x^2+52*x+1)^(1/2))$  revogf  
A041313 18.4159 [  $-1/(x^2+26*x-1)$  ogf]  
A041313 27.9458  $-2*(13+x)/(x^2-1+26*x)$  lgdogf  
A041313 7.45404 [  $\{-a(n+2)+26*a(n+1)+a(n), a(0) = 1, a(1) = 26\}$ , ogf]  
A041314 9.85169 [  $-(x^3-13*x^2-170*x-13)/(x^4-340*x^2+1)$  ogf]  
A041315 10.7907 [  $-(x^2-13*x-1)/(x^4-340*x^2+1)$  ogf]  
A041315 9.35120  $-(13+678*x+2*x^5-39*x^4-4*x^3+4420*x^2)/(x^2-13*x-1)/(x^4-340*x^2+1)$  lgdogf  
A041318 5.42681 [  $-(x^9-13*x^8+79*x^7-92*x^6+171*x^5+1118*x^4+171*x^3+92*x^2+79*x+13)/(x^10+2236*x^5-1)$  ogf]  
A041319 6.66768 [  $-(x^8-6*x^7+7*x^6-13*x^5+85*x^4+13*x^3+7*x^2+6*x+1)/(x^10+2236*x^5-1)$  ogf]  
A041320 6.44560 [  $-(x^7-13*x^6+66*x^5-277*x^4-1451*x^3-277*x^2-66*x-13)/(x^8-2902*x^4+1)$  ogf]  
A041321 7.43781 [  $-(x^2-5*x-1)*(x^4+22*x^2+1)/(x^8-2902*x^4+1)$  ogf]  
A041322 4.97463 [  $-(x^11-13*x^10+53*x^9-119*x^8+172*x^7-463*x^6-2024*x^5-463*x^4-172*x^3-119*x^2-53*x-13)/(x^4-16*x^2+1)/(x^8+16*x^6+255*x^4+16*x^2+1)$  ogf]

A041323 5.62763 [ -  
 $(x^{10}-4x^9+9x^8-13x^7+35x^6-153x^5-35x^4-13x^3-9x^2-4x-1)/(x^4-16x^2+1)/(x^8+16x^6+255x^4+16x^2+1)$  ogf]  
A041324 6.41750 [  $-(x^7-13x^6+40x^5-53x^4-199x^3-53x^2-40x-13)/(x^4+20x^2+1)/(x^4-20x^2+1)$  ogf]  
A041325 7.90725 [  $-(x^2-3x-1)(x^4+5x^2+1)/(x^4+20x^2+1)/(x^4-20x^2+1)$  ogf]  
A041328 4.95538 [ -  
 $(x^{11}-13x^{10}+27x^9-40x^8+507x^7-547x^6-1601x^5-547x^4-507x^3-40x^2-27x-13)/(x^{12}-3202x^6+1)$  ogf]  
A041329 5.50421 [ -  
 $(x^{10}-2x^9+3x^8-38x^7+41x^6-120x^5-41x^4-38x^3-3x^2-2x-1)/(x^{12}-3202x^6+1)$  ogf]  
A041332 6.77192 [  $-(x+1)(x^6-14x^5+41x^4-108x^3-53x^2-14x-13)/(x^2+4x-1)/(x^2-4x-1)/(x^4+18x^2+1)$  ogf]  
A041333 7.73230 [  $-(x^2-2x-1)(x^4+6x^2+1)/(x^2+4x-1)/(x^2-4x-1)/(x^4+18x^2+1)$  ogf]  
A041336 10.3690 [  $-(x+1)(x^2-14x-13)/(x^4-54x^2+1)$  ogf]  
A041336 8.68252  $-(27+1430x+1455x^2-52x^3-27x^4-26x^5+x^6)/(x+1)/(x^2-14x-13)/(x^4-54x^2+1)$  lgdogf  
A041337 11.6429  $-2(x+1)(x^4-4x^3+2x^2+52x+1)/(x^2-2x-1)/(x^4-54x^2+1)$  lgdogf  
A041337 12.2576 [  $-(x^2-2x-1)/(x^4-54x^2+1)$  ogf]  
A041338 4.88715 [ -  
 $(x^{11}-13x^{10}+14x^9-27x^8+230x^7-257x^6-487x^5-257x^4-230x^3-27x^2-14x-13)/(x^{12}-974x^6+1)$  ogf]  
A041339 5.63911 [  $-(x^6-18x^3-1)(x^4-x^3+2x^2+x+1)/(x^{12}-974x^6+1)$  ogf]  
A041342 5.94465 [  $-(x^9-13x^8+14x^7-27x^6+41x^5+68x^4+41x^3+27x^2+14x+13)/(x^{10}+136x^5-1)$  ogf]  
A041343 6.86539 [  $-(x^4+2x^3+4x^2+3x+1)(x^4-3x^3+4x^2-2x+1)/(x^{10}+136x^5-1)$  ogf]  
A041346 4.93283 [ -  
 $(x^{11}-13x^{10}+14x^9-41x^8+547x^7-1135x^6-1682x^5-1135x^4-547x^3-41x^2-14x-13)/(x^{12}-3364x^6+1)$  ogf]  
A041347 5.55358 [  $-(x^{10}-x^9+3x^8-40x^7+83x^6-123x^5-83x^4-40x^3-3x^2-x-1)/(x^{12}-3364x^6+1)$  ogf]  
A041350 6.91577 [  $-(x^7-13x^6+14x^5-41x^4-55x^3-41x^2-14x-13)/(x^8-110x^4+1)$  ogf]  
A041351 8.31219 [  $-(x^2-x-1)(x^4+4x^2+1)/(x^8-110x^4+1)$  ogf]  
A041356 6.98436 [  $-(x^7-13x^6+14x^5-83x^4-97x^3-83x^2-14x-13)/(x^2-4x+1)/(x^2+4x+1)/(x^4+14x^2+1)$  ogf]  
A041357 7.76932 [  $-(x^2-x-1)(x^4+7x^2+1)/(x^2-4x+1)/(x^2+4x+1)/(x^4+14x^2+1)$  ogf]  
A041360 6.91007 [  $-(x^7-13x^6+14x^5-181x^4-195x^3-181x^2-14x-13)/(x^8-390x^4+1)$  ogf]  
A041361 7.73901 [  $-(x^2-x-1)(x^4+14x^2+1)/(x^8-390x^4+1)$  ogf]  
A041362 10.9061 [  $-(x^3-13x^2-14x-13)/(x^4-28x^2+1)$  ogf]  
A041362 9.24970  $-(14+754x+x^6-26x^5-14x^4-52x^3+389x^2)/(x^3-13x^2-14x-13)/(x^4-28x^2+1)$  lgdogf  
A041363 12.6574 [  $-(x^2-x-1)/(x^4-28x^2+1)$  ogf]  
A041364 14.7689 [  $-(x+14)/(x^2+28x-1)$  ogf]  
A041364 17.0701  $(-7-14x+(49+197x+197x^2)^{1/2})/(x+1)$  revogf  
A041364 19.5087  $-(393+28x+x^2)/(x+14)/(x^2+28x-1)$  lgdogf  
A041364 8.07135 [  $\{a(n+2)-28a(n+1)-a(n), a(0) = 14, a(1) = 393\}$ , ogf]  
A041364 9.77656 [  $-(x^2+28x+393)/(x^3+42x^2+391x-14)$  lgdogf]  
A041365 11.1458 [  $-(-2x-28)/(-x^2-28x+1)$  lgdogf]  
A041365 14.3737  $1/2x(-28x-1+(788x^2+56x+1)^{1/2})$  revogf  
A041365 16.3909 [  $-1/(x^2+28x-1)$  ogf]  
A041365 24.8273  $-2(14+x)/(x^2-1+28x)$  lgdogf  
A041365 6.63442 [  $\{-a(n+2)+28a(n+1)+a(n), a(0) = 1, a(1) = 28\}$ , ogf]  
A041366 8.89868 [  $-(x^3-14x^2-197x-14)/(x^4-394x^2+1)$  ogf]  
A041367 10.9352 [  $-(x^2-14x-1)/(x^4-394x^2+1)$  ogf]

A041367 9.62019  $-2*(7+393*x-2*x^3+2758*x^2-21*x^4+x^5)/(x^2-14*x-1)/(x^4-394*x^2+1)$  lgdogf  
A041370 9.24919  $[-(x^3-14*x^2-99*x-14)/(x^2+14*x-1)/(x^2-14*x-1)$  ogf]  
A041371 11.2787  $[-(x^2-7*x-1)/(x^2+14*x-1)/(x^2-14*x-1)$  ogf]  
A041371 8.60086  $-(7+394*x-4*x^3+1386*x^2-21*x^4+2*x^5)/(x^2-14*x-1)/(x^2-7*x-1)/(x^2+14*x-1)$  lgdogf  
A041376 7.87549  $-(57+3220*x+x^6-28*x^5-56*x^3-57*x^4+6495*x^2)/(x^3-14*x^2-57*x-14)/(x^4-114*x^2+1)$  lgdogf  
A041376 9.50633  $[-(x^3-14*x^2-57*x-14)/(x^4-114*x^2+1)$  ogf]  
A041377 10.3914  $-2*(2+113*x+x^5-2*x^3-6*x^4+228*x^2)/(x^2-4*x-1)/(x^4-114*x^2+1)$  lgdogf  
A041377 11.4752  $[-(x^2-4*x-1)/(x^4-114*x^2+1)$  ogf]  
A041387 5.88947  $[-(x^6-9*x^3-1)*(x^4-2*x^3+5*x^2+2*x+1)/(x^2+3*x-1)/(x^2-3*x-1)/(x^4-3*x^3+10*x^2+3*x+1)/(x^4+3*x^3+10*x^2-3*x+1)$  ogf]  
A041390 10.5014  $[-(x+1)*(x^2-15*x-14)/(x^4-58*x^2+1)$  ogf]  
A041390 8.79528  $-(29+1652*x+1679*x^2-56*x^3-29*x^4-28*x^5+x^6)/(x+1)/(x^2-15*x-14)/(x^4-58*x^2+1)$  lgdogf  
A041391 10.7066  $-2*(x+1)*(x^4-4*x^3+2*x^2+56*x+1)/(x^2-2*x-1)/(x^4-58*x^2+1)$  lgdogf  
A041391 11.2857  $[-(x^2-2*x-1)/(x^4-58*x^2+1)$  ogf]  
A041400 7.31363  $[-(x^7-14*x^6+15*x^5-29*x^4-44*x^3-29*x^2-15*x-14)/(x^8-88*x^4+1)$  ogf]  
A041401 8.56791  $[-(x^2-x-1)*(x^4+3*x^2+1)/(x^8-88*x^4+1)$  ogf]  
A041402 4.88715  $[-(x^11-14*x^10+15*x^9-44*x^8+147*x^7-338*x^6-485*x^5-338*x^4-147*x^3-44*x^2-15*x-14)/(x^4-10*x^2+1)/(x^8+10*x^6+99*x^4+10*x^2+1)$  ogf]  
A041403 5.98343  $[-(x^10-x^9+3*x^8-10*x^7+23*x^6-33*x^5-23*x^4-10*x^3-3*x^2-x-1)/(x^4-10*x^2+1)/(x^8+10*x^6+99*x^4+10*x^2+1)$  ogf]  
A041406 5.98167  $[-(x^9-14*x^8+15*x^7-59*x^6+192*x^5+251*x^4+192*x^3+59*x^2+15*x+14)/(x^10+502*x^5-1)$  ogf]  
A041407 6.59168  $[-(x^8-x^7+4*x^6-13*x^5+17*x^4+13*x^3+4*x^2+x+1)/(x^10+502*x^5-1)$  ogf]  
A041408 6.74142  $[-(x^7-14*x^6+15*x^5-59*x^4-74*x^3-59*x^2-15*x-14)/(x^8-148*x^4+1)$  ogf]  
A041409 8.07662  $[-(x^2-x-1)*(x^4+5*x^2+1)/(x^8-148*x^4+1)$  ogf]  
A041410 5.27809  $[-(x^7-14*x^6+15*x^5-74*x^4-89*x^3-74*x^2-15*x-14)/(x^8-178*x^4+1)$  ogf]  
A041411 6.42594  $[-(x^2-x-1)*(x^4+6*x^2+1)/(x^8-178*x^4+1)$  ogf]  
A041412 4.86959  $[-(x^11-14*x^10+15*x^9-104*x^8+223*x^7-1442*x^6-1665*x^5-1442*x^4-223*x^3-104*x^2-15*x-14)/(x^4-15*x^2+1)/(x^8+15*x^6+224*x^4+15*x^2+1)$  ogf]  
A041413 5.52889  $[-(x^10-x^9+7*x^8-15*x^7+97*x^6-112*x^5-97*x^4-15*x^3-7*x^2-x-1)/(x^4-15*x^2+1)/(x^8+15*x^6+224*x^4+15*x^2+1)$  ogf]  
A041414 5.13938  $[-(x^7-14*x^6+15*x^5-134*x^4-149*x^3-134*x^2-15*x-14)/(x^8-298*x^4+1)$  ogf]  
A041415 8.14525  $[-(x^2-x-1)*(x^4+10*x^2+1)/(x^8-298*x^4+1)$  ogf]  
A041416 4.78217  $[-(x^7-14*x^6+15*x^5-209*x^4-224*x^3-209*x^2-15*x-14)/(x^8-448*x^4+1)$  ogf]  
A041417 7.87598  $[-(x^2-x-1)*(x^4+15*x^2+1)/(x^8-448*x^4+1)$  ogf]  
A041418 6.29374  $-(15+868*x+x^6-28*x^5-15*x^4-56*x^3+447*x^2)/(x^3-14*x^2-15*x-14)/(x^4-30*x^2+1)$  lgdogf  
A041418 7.46778  $[-(x^3-14*x^2-15*x-14)/(x^4-30*x^2+1)$  ogf]  
A041419 12.7670  $[-(x^2-x-1)/(x^4-30*x^2+1)$  ogf]  
A041420 13.1551  $[-(x+15)/(x^2+30*x-1)$  ogf]  
A041420 13.1999  $1/2/(x+1)*(-15-30*x+(225+904*x+904*x^2)^(1/2))$  revogf  
A041420 17.3485  $-(451+30*x+x^2)/(x+15)/(x^2+30*x-1)$  lgdogf  
A041420 7.18940  $[{a(n+2)-30*a(n+1)-a(n), a(0) = 15, a(1) = 451},$  ogf]  
A041420 8.70828  $[-(x^2+30*x+451)/(x^3+45*x^2+449*x-15)$  lgdogf]  
A041421 11.3122  $[-(-2*x-30)/(-x^2-30*x+1)$  lgdogf]  
A041421 14.5926  $1/2/x*(-30*x-1+(904*x^2+60*x+1)^(1/2))$  revogf  
A041421 16.6355  $[-1/(x^2+30*x-1)$  ogf]

A041421 25.2054  $-2*(15+x)/(x^2-1+30*x)$  lgdogf  
A041421 6.73343  $[{-a(n+2)+30*a(n+1)+a(n), a(0) = 1, a(1) = 30}]$ , ogf]  
A041422 6.94176  $[ -(x^3-15*x^2-226*x-15)/(x^4-452*x^2+1)$  ogf]  
A041423 8.49963  $-(15+902*x+2*x^5-4*x^3-45*x^4+6780*x^2)/(x^2-15*x-1)/$   
 $(x^4-452*x^2+1)$  lgdogf  
A041423 9.82180  $[ -(x^2-15*x-1)/(x^4-452*x^2+1)$  ogf]  
A041424 6.63663  $[ -(x^3-15*x^2-151*x-15)/(x^4-302*x^2+1)$  ogf]  
A041425 10.3715  $-2*(5+301*x+x^5-15*x^4-2*x^3+1510*x^2)/(x^2-10*x-1)/$   
 $(x^4-302*x^2+1)$  lgdogf  
A041425 11.7778  $[ -(x^2-10*x-1)/(x^4-302*x^2+1)$  ogf]  
A041426 5.52221  $[ -$   
 $(x^9-15*x^8+106*x^7-121*x^6+227*x^5+1710*x^4+227*x^3+121*x^2+106*x+15)/$   
 $(x^{10}+3420*x^5-1)$  ogf]  
A041427 6.32797  $[ -(x^8-7*x^7+8*x^6-15*x^5+113*x^4+15*x^3+8*x^2+7*x+1)/$   
 $(x^{10}+3420*x^5-1)$  ogf]  
A041428 5.71022  $-(91+5490*x+x^6-30*x^5-91*x^4-60*x^3+16559*x^2)/$   
 $(x^3-15*x^2-91*x-15)/(x^4-182*x^2+1)$  lgdogf  
A041428 7.01069  $[ -(x^3-15*x^2-91*x-15)/(x^4-182*x^2+1)$  ogf]  
A041429 11.1290  $[ -(x^2-6*x-1)/(x^4-182*x^2+1)$  ogf]  
A041430 6.40845  $-(76+4590*x+11549*x^2-60*x^3-76*x^4-30*x^5+x^6)/$   
 $(x^3-15*x^2-76*x-15)/(x^4-152*x^2+1)$  lgdogf  
A041430 7.85204  $[ -(x^3-15*x^2-76*x-15)/(x^4-152*x^2+1)$  ogf]  
A041431 8.44877  $-(5+302*x+760*x^2-4*x^3-15*x^4+2*x^5)/(x^2-5*x-1)/$   
 $(x^4-152*x^2+1)$  lgdogf  
A041431 9.50393  $[ -(x^2-5*x-1)/(x^4-152*x^2+1)$  ogf]  
A041438 6.80294  $-(46+2790*x+4229*x^2-60*x^3-46*x^4-30*x^5+x^6)/$   
 $(x^3-15*x^2-46*x-15)/(x^4-92*x^2+1)$  lgdogf  
A041438 8.25222  $[ -(x^3-15*x^2-46*x-15)/(x^4-92*x^2+1)$  ogf]  
A041439 11.1632  $-(3+182*x+276*x^2-4*x^3-9*x^4+2*x^5)/(x^2-3*x-1)/(x^4-92*x^2+1)$   
lgdogf  
A041439 12.3356  $[ -(x^2-3*x-1)/(x^4-92*x^2+1)$  ogf]  
A041448 10.6779  $[ -(x+1)*(x^2-16*x-15)/(x^2-8*x+1)/(x^2+8*x+1)$  ogf]  
A041448 8.05106  $-(31+1890*x-60*x^3+1919*x^2-31*x^4-30*x^5+x^6)/(x+1)/(x^2+8*x$   
 $+1)/(x^2-8*x+1)/(x^2-16*x-15)$  lgdogf  
A041449 10.4379  $-2*(x+1)*(x^4-4*x^3+2*x^2+60*x+1)/(x^2+8*x+1)/(x^2-8*x+1)/$   
 $(x^2-2*x-1)$  lgdogf  
A041449 12.6306  $[ -(x^2-2*x-1)/(x^2-8*x+1)/(x^2+8*x+1)$  ogf]  
A041464 7.06946  $[ -(x^7-15*x^6+16*x^5-47*x^4-63*x^3-47*x^2-16*x-15)/$   
 $(x^8-126*x^4+1)$  ogf]  
A041465 8.45866  $[ -(x^2-x-1)*(x^4+4*x^2+1)/(x^8-126*x^4+1)$  ogf]  
A041472 6.53104  $[ -(x^7-15*x^6+16*x^5-111*x^4-127*x^3-111*x^2-16*x-15)/$   
 $(x^4-16*x^2+1)/(x^4+16*x^2+1)$  ogf]  
A041473 8.12735  $[ -(x^2-x-1)*(x^4+8*x^2+1)/(x^4-16*x^2+1)/(x^4+16*x^2+1)$  ogf]  
A041476 6.55864  $[ -(x^7-15*x^6+16*x^5-239*x^4-255*x^3-239*x^2-16*x-15)/$   
 $(x^8-510*x^4+1)$  ogf]  
A041477 8.04720  $[ -(x^2-x-1)*(x^4+16*x^2+1)/(x^8-510*x^4+1)$  ogf]  
A041478 6.36735  $-(16+990*x+x^6-30*x^5-16*x^4-60*x^3+509*x^2)/$   
 $(x^3-15*x^2-16*x-15)/(x^4-32*x^2+1)$  lgdogf  
A041478 7.55313  $[ -(x^3-15*x^2-16*x-15)/(x^4-32*x^2+1)$  ogf]  
A041479 8.53021  $-(1+62*x+2*x^5-3*x^4-4*x^3+32*x^2)/(x^2-x-1)/(x^4-32*x^2+1)$   
lgdogf  
A041479 8.88390  $[ -(x^2-x-1)/(x^4-32*x^2+1)$  ogf]  
A041480 13.3910  $[ -(x+16)/(x^2+32*x-1)$  ogf]  
A041480 15.4572  $(-8-16*x+(64+257*x+257*x^2)^(1/2))/(x+1)$  revogf  
A041480 17.6654  $-(513+32*x+x^2)/(x+16)/(x^2+32*x-1)$  lgdogf  
A041480 7.31835  $[{a(n+2)-32*a(n+1)-a(n), a(0) = 16, a(1) = 513}]$ , ogf]  
A041480 8.86448  $[-(x^2+32*x+513)/(x^3+48*x^2+511*x-16)$  lgdogf]  
A041481 13.4294  $[-(2*x-32)/(-x^2-32*x+1)$  lgdogf]  
A041481 16.9266  $1/2/x*(-1-32*x+(1+64*x+1028*x^2)^(1/2))$  revogf  
A041481 19.7491  $[ -1/(x^2+32*x-1)$  ogf]  
A041481 30.0063  $-2*(16+x)/(x^2-1+32*x)$  lgdogf

A041481 7.99370 [  $\{-a(n+2)+32*a(n+1)+a(n), a(0) = 1, a(1) = 32\}$ , ogf]  
A041482 9.25782 [  $-(x^3-16*x^2-257*x-16)/(x^4-514*x^2+1)$  ogf]  
A041483 10.0084  $-2*(8+513*x+4112*x^2-2*x^3-24*x^4+x^5)/(x^2-16*x-1)/(x^4-514*x^2+1)$  lgdogf  
A041483 11.3688 [  $-(x^2-16*x-1)/(x^4-514*x^2+1)$  ogf]  
A041486 9.52601 [  $-(x^3-16*x^2-129*x-16)/(x^2-16*x-1)/(x^2+16*x-1)$  ogf]  
A041487 11.7278 [  $-(x^2-8*x-1)/(x^2-16*x-1)/(x^2+16*x-1)$  ogf]  
A041487 8.94955  $-2*(4+257*x+x^5-12*x^4-2*x^3+1032*x^2)/(x^2-16*x-1)/(x^2-8*x-1)/(x^2+16*x-1)$  lgdogf  
A041494 8.08834  $-(65+4192*x+x^6-32*x^5+8447*x^2-64*x^3-65*x^4)/(x^3-16*x^2-65*x-16)/(x^4-130*x^2+1)$  lgdogf  
A041494 9.75871 [  $-(x^3-16*x^2-65*x-16)/(x^4-130*x^2+1)$  ogf]  
A041495 10.5787  $-2*(2+129*x+x^5-2*x^3-6*x^4+260*x^2)/(x^2-4*x-1)/(x^4-130*x^2+1)$  lgdogf  
A041495 11.6783 [  $-(x^2-4*x-1)/(x^4-130*x^2+1)$  ogf]  
A041498 6.60358 [  $-(x^7-16*x^6+49*x^5-212*x^4-685*x^3-212*x^2-49*x-16)/(x^8-1370*x^4+1)$  ogf]  
A041499 7.55818 [  $-(x^2-3*x-1)*(x^4+14*x^2+1)/(x^8-1370*x^4+1)$  ogf]  
A041501 5.70167 [  $-(x^{10}-2*x^9+3*x^8-47*x^7+50*x^6-147*x^5-50*x^4-47*x^3-3*x^2-2*x-1)/(x^{12}-4804*x^6+1)$  ogf]  
A041504 7.86810 [  $-(x^5-16*x^4+33*x^3+82*x^2+33*x+16)/(x^6+164*x^3-1)$  ogf]  
A041505 9.87315 [  $-(x^4-2*x^3+5*x^2+2*x+1)/(x^6+164*x^3-1)$  ogf]  
A041510 7.32290  $-(33+2144*x+x^6-32*x^5-64*x^3-33*x^4+2175*x^2)/(1+x)/(x^2-17*x-16)/(x^2+8*x-1)/(x^2-8*x-1)$  lgdogf  
A041510 9.72528 [  $-(x+1)*(x^2-17*x-16)/(x^2-8*x-1)/(x^2+8*x-1)$  ogf]  
A041511 10.5723  $-2*(x+1)*(x^4-4*x^3+2*x^2+64*x+1)/(x^2-8*x-1)/(x^2+8*x-1)/(x^2-2*x-1)$  lgdogf  
A041511 12.7905 [  $-(x^2-2*x-1)/(x^2-8*x-1)/(x^2+8*x-1)$  ogf]  
A041512 4.98425 [  $-(x^{11}-16*x^{10}+17*x^9-33*x^8+347*x^7-380*x^6-727*x^5-380*x^4-347*x^3-33*x^2-17*x-16)/(x^{12}-1454*x^6+1)$  ogf]  
A041513 5.82499 [  $-(x^6-22*x^3-1)*(x^4-x^3+2*x^2+x+1)/(x^{12}-1454*x^6+1)$  ogf]  
A041515 5.22044 [  $-(x^{12}-x^{11}+2*x^{10}-9*x^9+38*x^8-47*x^7+85*x^6+47*x^5+38*x^4+9*x^3+2*x^2+x+1)/(x^{14}+2814*x^7-1)$  ogf]  
A041516 5.13339 [  $-(x^{11}-16*x^{10}+17*x^9-33*x^8+83*x^7-116*x^6-199*x^5-116*x^4-83*x^3-33*x^2-17*x-16)/(x^6+20*x^3+1)/(x^6-20*x^3+1)$  ogf]  
A041517 5.93860 [  $-(x^6-6*x^3-1)*(x^4-x^3+2*x^2+x+1)/(x^6+20*x^3+1)/(x^6-20*x^3+1)$  ogf]  
A041523 5.64089 [  $-(x^{10}-x^9+3*x^8-49*x^7+101*x^6-150*x^5-101*x^4-49*x^3-3*x^2-x-1)/(x^{12}-5002*x^6+1)$  ogf]  
A041526 5.26848 [  $-(x^{11}-16*x^{10}+17*x^9-50*x^8+67*x^7-184*x^6-251*x^5-184*x^4-67*x^3-50*x^2-17*x-16)/(x^{12}-502*x^6+1)$  ogf]  
A041527 6.05839 [  $-(x^2-x-1)*(x^8+4*x^6+15*x^4+4*x^2+1)/(x^{12}-502*x^6+1)$  ogf]  
A041537 5.61657 [  $-(x^{10}-x^9+8*x^8-17*x^7+127*x^6-144*x^5-127*x^4-17*x^3-8*x^2-x-1)/(x^4-17*x^2+1)/(x^8+17*x^6+288*x^4+17*x^2+1)$  ogf]  
A041540 6.64494 [  $-(x^7-16*x^6+17*x^5-271*x^4-288*x^3-271*x^2-17*x-16)/(x^8-576*x^4+1)$  ogf]  
A041541 7.47180 [  $-(x^2-x-1)*(x^4+17*x^2+1)/(x^8-576*x^4+1)$  ogf]  
A041542 10.3035 [  $-(x^3-16*x^2-17*x-16)/(x^2+6*x+1)/(x^2-6*x+1)$  ogf]  
A041542 7.76194  $-(17+1120*x+x^6-32*x^5-17*x^4-64*x^3+575*x^2)/(1+6*x+x^2)/(x^2-6*x+1)/(x^3-16*x^2-17*x-16)$  lgdogf  
A041543 10.1903  $-(1+66*x+2*x^5-3*x^4-4*x^3+34*x^2)/(1+6*x+x^2)/(x^2-6*x+1)/(x^2-x-1)$  lgdogf  
A041543 12.1635 [  $-(x^2-x-1)/(x^2+6*x+1)/(x^2-6*x+1)$  ogf]  
A041544 13.1120  $1/2/(x+1)*(-17-34*x+(289+1160*x+1160*x^2)^{1/2})$  revogf  
A041544 13.6270 [  $-(x+17)/(x^2+34*x-1)$  ogf]  
A041544 17.9822  $-(579+34*x+x^2)/(x+17)/(x^2+34*x-1)$  lgdogf

A041544 7.44730 [ {a(n+2)-34\*a(n+1)-a(n), a(0) = 17, a(1) = 579}, ogf ]  
A041544 9.02068 [ -(x^2+34\*x+579)/(x^3+51\*x^2+577\*x-17) lgdogf ]  
A041545 11.7003 [ -(-2\*x-34)/(-x^2-34\*x+1) lgdogf ]  
A041545 14.7161 1/2/x\*(-1-34\*x+(1+68\*x+1160\*x^2)^(1/2)) revogf  
A041545 17.2064 [ -1/(x^2+34\*x-1) ogf ]  
A041545 26.0876 -2\*(17+x)/(x^2-1+34\*x) lgdogf  
A041545 6.96448 [ {-a(n+2)+34\*a(n+1)+a(n), a(0) = 1, a(1) = 34}, ogf ]  
A041546 8.23966 [ -(x^3-17\*x^2-290\*x-17)/(x^4-580\*x^2+1) ogf ]  
A041547 10.1996 [ -(x^2-17\*x-1)/(x^4-580\*x^2+1) ogf ]  
A041547 8.70494 -(17+1158\*x+9860\*x^2-4\*x^3-51\*x^4+2\*x^5)/(x^2-17\*x-1)/  
(x^4-580\*x^2+1) lgdogf  
A041550 5.21325 [ -  
(x^9-17\*x^8+137\*x^7-154\*x^6+291\*x^5+2482\*x^4+291\*x^3+154\*x^2+137\*x+17)/  
(x^10+4964\*x^5-1) ogf ]  
A041551 6.55297 [ -(x^8-8\*x^7+9\*x^6-17\*x^5+145\*x^4+17\*x^3+9\*x^2+8\*x+1)/  
(x^10+4964\*x^5-1) ogf ]  
A041553 5.48673 [ -  
(x^10-6\*x^9+7\*x^8-34\*x^7+41\*x^6-280\*x^5-41\*x^4-34\*x^3-7\*x^2-6\*x-1)/  
(x^6-98\*x^3+1)/(x^6+98\*x^3+1) ogf ]  
A041557 5.46234 [ -  
(x^10-4\*x^9+5\*x^8-39\*x^7+44\*x^6-215\*x^5-44\*x^4-39\*x^3-5\*x^2-4\*x-1)/  
(x^6+86\*x^3-1)/(x^6-86\*x^3-1) ogf ]  
A041562 6.32387 [ -(x^7-17\*x^6+52\*x^5-121\*x^4-415\*x^3-121\*x^2-52\*x-17)/  
(x^8-830\*x^4+1) ogf ]  
A041563 7.97967 [ -(x^2-3\*x-1)\*(x^4+8\*x^2+1)/(x^8-830\*x^4+1) ogf ]  
A041564 6.41818 [ -(x^7-17\*x^6+52\*x^5-433\*x^4-1351\*x^3-433\*x^2-52\*x-17)/  
(x^4-52\*x^2+1)/(x^4+52\*x^2+1) ogf ]  
A041565 7.38596 [ -(x^2-3\*x-1)\*(x^4+26\*x^2+1)/(x^4-52\*x^2+1)/(x^4+52\*x^2+1) ogf ]  
A041571 5.72636 [ -(x^6-29\*x^3-1)\*(x^4-2\*x^3+5\*x^2+2\*x+1)/(x^12-5048\*x^6+1) ogf ]  
A041574 6.49402 [ -(x+1)\*(x^6-18\*x^5+53\*x^4-280\*x^3-209\*x^2-18\*x-17)/  
(x^8-978\*x^4+1) ogf ]  
A041575 8.04655 [ -(x^2-2\*x-1)\*(x^4+14\*x^2+1)/(x^8-978\*x^4+1) ogf ]  
A041576 8.24750 -(35+2414\*x+x^6-34\*x^5-68\*x^3-35\*x^4+2447\*x^2)/(1+x)/  
(x^2-18\*x-17)/(x^4-70\*x^2+1) lgdogf  
A041576 9.85552 [ -(x+1)\*(x^2-18\*x-17)/(x^4-70\*x^2+1) ogf ]  
A041577 11.0618 -2\*(1+x)\*(x^4-4\*x^3+2\*x^2+68\*x+1)/(x^2-2\*x-1)/(x^4-70\*x^2+1)  
lgdogf  
A041577 11.6532 [ -(x^2-2\*x-1)/(x^4-70\*x^2+1) ogf ]  
A041580 5.03165 [ -  
(x^11-17\*x^10+18\*x^9-35\*x^8+158\*x^7-193\*x^6-351\*x^5-193\*x^4-158\*x^3-35\*x^2-18\*x-  
17)/(x^4-9\*x^2+1)/(x^8+9\*x^6+80\*x^4+9\*x^2+1) ogf ]  
A041581 5.81385 [ -(x^4-x^3+2\*x^2+x+1)\*(x^6-10\*x^3-1)/(x^4-9\*x^2+1)/  
(x^8+9\*x^6+80\*x^4+9\*x^2+1) ogf ]  
A041588 6.91577 [ -(x^7-17\*x^6+18\*x^5-35\*x^4-53\*x^3-35\*x^2-18\*x-17)/  
(x^8-106\*x^4+1) ogf ]  
A041589 8.31219 [ -(x^2-x-1)\*(x^4+3\*x^2+1)/(x^8-106\*x^4+1) ogf ]  
A041593 5.33915 [ -(x^12-  
x^11+3\*x^10-4\*x^9+7\*x^8-18\*x^7+25\*x^6+18\*x^5+7\*x^4+4\*x^3+3\*x^2+x+1)/  
(x^14+886\*x^7-1) ogf ]  
A041594 6.74142 [ -(x^7-17\*x^6+18\*x^5-53\*x^4-71\*x^3-53\*x^2-18\*x-17)/  
(x^4+12\*x^2+1)/(x^4-12\*x^2+1) ogf ]  
A041595 8.56852 [ -(x^2-x-1)\*(x^4+4\*x^2+1)/(x^4+12\*x^2+1)/(x^4-12\*x^2+1) ogf ]  
A041600 7.03942 [ -(x^7-17\*x^6+18\*x^5-89\*x^4-107\*x^3-89\*x^2-18\*x-17)/  
(x^8-214\*x^4+1) ogf ]  
A041601 7.84092 [ -(x^2-x-1)\*(x^4+6\*x^2+1)/(x^8-214\*x^4+1) ogf ]  
A041604 6.73514 [ -(x^7-17\*x^6+18\*x^5-143\*x^4-161\*x^3-143\*x^2-18\*x-17)/  
(x^2+4\*x-1)/(x^2-4\*x-1)/(x^4+18\*x^2+1) ogf ]  
A041605 8.41378 [ -(x^2-x-1)\*(x^4+9\*x^2+1)/(x^2+4\*x-1)/(x^2-4\*x-1)/  
(x^4+18\*x^2+1) ogf ]  
A041606 6.96839 [ -(x^7-17\*x^6+18\*x^5-197\*x^4-215\*x^3-197\*x^2-18\*x-17)/  
(x^8-430\*x^4+1) ogf ]



A041607 7.80750 [  $-(x^2-x-1)*(x^4+12x^2+1)/(x^8-430x^4+1)$  ogf]  
A041608 6.76000 [  $-(x^7-17x^6+18x^5-305x^4-323x^3-305x^2-18x-17)/(x^8-646x^4+1)$  ogf]  
A041609 7.60703 [  $-(x^2-x-1)*(x^4+18x^2+1)/(x^8-646x^4+1)$  ogf]  
A041610 10.5274 [  $-(x^3-17x^2-18x-17)/(x^4-36x^2+1)$  ogf]  
A041610 8.81519  $-(18+1258x-68x^3+645x^2-18x^4-34x^5+x^6)/(x^3-17x^2-18x-17)/(x^4-36x^2+1)$  lgdogf  
A041611 11.8511  $-(1+70x+2x^5-3x^4-4x^3+36x^2)/(x^2-x-1)/(x^4-36x^2+1)$  lgdogf  
A041611 12.2717 [  $-(x^2-x-1)/(x^4-36x^2+1)$  ogf]  
A041612 13.8040 [  $-(x+18)/(x^2+36x-1)$  ogf]  
A041612 15.9424  $(-9-18x+(81+325x+325x^2)^{(1/2)})/(x+1)$  revogf  
A041612 18.2199  $-(649+36x+x^2)/(x+18)/(x^2+36x-1)$  lgdogf  
A041612 7.54402 [  $\{a(n+2)-36a(n+1)-a(n), a(0) = 18, a(1) = 649\}$ , ogf]  
A041612 9.13783 [  $-(x^2+36x+649)/(x^3+54x^2+647x-18)$  lgdogf]  
A041613 11.9221 [  $-(-2x-36)/(-x^2-36x+1)$  lgdogf]  
A041613 15.0004  $1/2/x*(-1-36x+(1+72x+1300x^2)^{(1/2)})$  revogf  
A041613 17.5326 [  $-1/(x^2+36x-1)$  ogf]  
A041613 26.5917  $-2*(18+x)/(x^2-1+36x)$  lgdogf  
A041613 7.09651 [  $\{-a(n+2)+36a(n+1)+a(n), a(0) = 1, a(1) = 36\}$ , ogf]  
A041614 9.57704 [  $-(x^3-18x^2-325x-18)/(x^4-650x^2+1)$  ogf]  
A041615 10.3412 [  $-(x^2-18x-1)/(x^4-650x^2+1)$  ogf]  
A041615 9.09164  $-2*(9+649x+5850x^2-2x^3-27x^4+x^5)/(x^2-18x-1)/(x^4-650x^2+1)$  lgdogf  
A041616 9.05830 [  $-(x^3-18x^2-217x-18)/(x^4-434x^2+1)$  ogf]  
A041617 8.54192  $-2*(6+433x-2x^3+2604x^2-18x^4+x^5)/(x^2-12x-1)/(x^4-434x^2+1)$  lgdogf  
A041617 9.72735 [  $-(x^2-12x-1)/(x^4-434x^2+1)$  ogf]  
A041618 6.63663 [  $-(x^3-18x^2-163x-18)/(x^2-18x-1)/(x^2+18x-1)$  ogf]  
A041619 6.31129  $-(9+650x+2x^5-27x^4-4x^3+2934x^2)/(x^2-18x-1)/(x^2+18x-1)/(x^2-9x-1)$  lgdogf  
A041619 8.31776 [  $-(x^2-9x-1)/(x^2-18x-1)/(x^2+18x-1)$  ogf]  
A041622 9.28175 [  $-(x^3-18x^2-109x-18)/(x^4-218x^2+1)$  ogf]  
A041623 10.3976  $-2*(3+217x+x^5-2x^3-9x^4+654x^2)/(x^2-6x-1)/(x^4-218x^2+1)$  lgdogf  
A041623 11.4783 [  $-(x^2-6x-1)/(x^4-218x^2+1)$  ogf]  
A041628 7.29845  $-(73+5292x+10655x^2-72x^3-73x^4-36x^5+x^6)/(x^2+12x-1)/(x^2-12x-1)/(x^3-18x^2-73x-18)$  lgdogf  
A041628 9.96903 [  $-(x^3-18x^2-73x-18)/(x^2-12x-1)/(x^2+12x-1)$  ogf]  
A041629 11.8814 [  $-(x^2-4x-1)/(x^2-12x-1)/(x^2+12x-1)$  ogf]  
A041629 9.31105  $-2*(2+145x+292x^2-2x^3-6x^4+x^5)/(x^2-12x-1)/(x^2+12x-1)/(x^2-4x-1)$  lgdogf  
A041632 6.54738 [  $-(x^7-18x^6+55x^5-183x^4-604x^3-183x^2-55x-18)/(x^8-1208x^4+1)$  ogf]  
A041633 7.42616 [  $-(x^2-3x-1)*(x^4+11x^2+1)/(x^8-1208x^4+1)$  ogf]  
A041634 7.80454  $-(55+3996x-72x^3+6047x^2-55x^4-36x^5+x^6)/(x^3-18x^2-55x-18)/(x^4-110x^2+1)$  lgdogf  
A041634 9.42221 [  $-(x^3-18x^2-55x-18)/(x^4-110x^2+1)$  ogf]  
A041635 10.2510  $-(3+218x+2x^5-9x^4-4x^3+330x^2)/(x^2-3x-1)/(x^4-110x^2+1)$  lgdogf  
A041635 11.3228 [  $-(x^2-3x-1)/(x^4-110x^2+1)$  ogf]  
A041638 6.07662 [  $-(x^9-18x^8+37x^7-55x^6+92x^5+239x^4+92x^3+55x^2+37x+18)/(x^{10}+478x^5-1)$  ogf]  
A041639 6.62192 [  $-(x^8-2x^7+3x^6-5x^5+13x^4+5x^3+3x^2+2x+1)/(x^{10}+478x^5-1)$  ogf]  
A041646 6.63715  $-(37+2700x+x^6-36x^5+2735x^2-72x^3-37x^4)/(x+1)/(x^2-19x-18)/(x^4-74x^2+1)$  lgdogf  
A041646 7.95899 [  $-(x+1)*(x^2-19x-18)/(x^4-74x^2+1)$  ogf]  
A041647 11.2140  $-2*(1+x)*(x^4-4x^3+2x^2+72x+1)/(x^2-2x-1)/(x^4-74x^2+1)$  lgdogf  
A041647 11.8106 [  $-(x^2-2x-1)/(x^4-74x^2+1)$  ogf]

A041654 5.85341 [  $-(x^9-18x^8+19x^7-37x^6+56x^5+93x^4+56x^3+37x^2+19x+18)/(x^{10}+186x^5-1)$  ogf]  
A041655 7.21181 [  $-(x^4+2x^3+4x^2+3x+1)(x^4-3x^3+4x^2-2x+1)/(x^{10}+186x^5-1)$  ogf]  
A041662 4.86543 [  $-(x^{11}-18x^{10}+19x^9-56x^8+131x^7-318x^6-449x^5-318x^4-131x^3-56x^2-19x-18)/(x^6-30x^3+1)/(x^6+30x^3+1)$  ogf]  
A041663 6.05062 [  $-(x^{10}-x^9+3x^8-7x^7+17x^6-24x^5-17x^4-7x^3-3x^2-x-1)/(x^6-30x^3+1)/(x^6+30x^3+1)$  ogf]  
A041677 5.76246 [  $-(x^{10}-x^9+9x^8-19x^7+161x^6-180x^5-161x^4-19x^3-9x^2-x-1)/(x^4-19x^2+1)/(x^8+19x^6+360x^4+19x^2+1)$  ogf]  
A041680 4.59225 [  $-(x^7-18x^6+19x^5-341x^4-360x^3-341x^2-19x-18)/(x^8-720x^4+1)$  ogf]  
A041681 7.60703 [  $-(x^2-x-1)(x^4+19x^2+1)/(x^8-720x^4+1)$  ogf]  
A041682 10.7067 [  $-(x^3-18x^2-19x-18)/(x^2+6x-1)/(x^2-6x-1)$  ogf]  
A041682 8.07105 [  $-(19+1404x+x^6-36x^5-72x^3-19x^4+719x^2)/(x^2+6x-1)/(x^2-6x-1)/(x^3-18x^2-19x-18)$  lgdogf]  
A041683 11.2450 [  $-(x^2-x-1)/(x^2+6x-1)/(x^2-6x-1)$  ogf]  
A041683 9.40949 [  $-(1+74x+2x^5-3x^4-4x^3+38x^2)/(x^2+6x-1)/(x^2-6x-1)/(x^2-x-1)$  lgdogf]  
A041684 13.4586 [  $1/2/(x+1)*(-19-38x+(361+1448x+1448x^2)^{1/2})$  revogf]  
A041684 13.9809 [  $-(x+19)/(x^2+38x-1)$  ogf]  
A041684 18.4575 [  $-(723+38x+x^2)/(x+19)/(x^2+38x-1)$  lgdogf]  
A041684 7.64074 [  $\{a(n+2)-38a(n+1)-a(n), a(0) = 19, a(1) = 723\}$ , ogf]  
A041684 9.25499 [  $-(x^2+38x+723)/(x^3+57x^2+721x-19)$  lgdogf]  
A041685 12.0330 [  $-(2x-38)/(-x^2-38x+1)$  lgdogf]  
A041685 15.1426 [  $1/2/x*(-1-38x+(1+76x+1448x^2)^{1/2})$  revogf]  
A041685 17.6956 [  $-1/(x^2+38x-1)$  ogf]  
A041685 26.8437 [  $-2*(19+x)/(x^2-1+38x)$  lgdogf]  
A041685 7.16252 [  $\{-a(n+2)+38a(n+1)+a(n), a(0) = 1, a(1) = 38\}$ , ogf]  
A041686 9.69676 [  $-(x^3-19x^2-362x-19)/(x^4-724x^2+1)$  ogf]  
A041687 10.4829 [  $-(x^2-19x-1)/(x^4-724x^2+1)$  ogf]  
A041687 8.82343 [  $-(19+1446x+13756x^2-4x^3-57x^4+2x^5)/(x^2-19x-1)/(x^4-724x^2+1)$  lgdogf]  
A041690 5.39778 [  $-(x^9-19x^8+172x^7-191x^6+363x^5+3458x^4+363x^3+191x^2+172x+19)/(x^{10}+6916x^5-1)$  ogf]  
A041691 6.05286 [  $-(x^8-9x^7+10x^6-19x^5+181x^4+19x^3+10x^2+9x+1)/(x^{10}+6916x^5-1)$  ogf]  
A041696 6.36332 [  $-(x^7-19x^6+96x^5-211x^4-1151x^3-211x^2-96x-19)/(x^4-48x^2+1)/(x^4+48x^2+1)$  ogf]  
A041697 7.28835 [  $-(x^2-5x-1)(x^4+12x^2+1)/(x^4-48x^2+1)/(x^4+48x^2+1)$  ogf]  
A041700 7.74178 [  $-(x^5-19x^4+77x^3+327x^2+77x+19)/(x^6+654x^3-1)$  ogf]  
A041701 9.05345 [  $-(x^4-4x^3+17x^2+4x+1)/(x^6+654x^3-1)$  ogf]  
A041702 4.99774 [  $-(x^{11}-19x^{10}+58x^9-77x^8+366x^7-443x^6-1695x^5-443x^4-366x^3-77x^2-58x-19)/(x^{12}-3390x^6+1)$  ogf]  
A041703 5.52136 [  $-(x^{10}-3x^9+4x^8-19x^7+23x^6-88x^5-23x^4-19x^3-4x^2-3x-1)/(x^{12}-3390x^6+1)$  ogf]  
A041706 5.51808 [  $-(x^9-19x^8+58x^7-309x^6+1603x^5+5118x^4+1603x^3+309x^2+58x+19)/(x^{10}+10236x^5-1)$  ogf]  
A041707 6.32504 [  $-(x^8-3x^7+16x^6-83x^5+265x^4+83x^3+16x^2+3x+1)/(x^{10}+10236x^5-1)$  ogf]  
A041709 5.84977 [  $-(x^{10}-2x^9+3x^8-56x^7+59x^6-174x^5-59x^4-56x^3-3x^2-2x-1)/(x^{12}-6730x^6+1)$  ogf]  
A041714 6.56402 [  $-(x+1)(x^6-20x^5+59x^4-156x^3-77x^2-20x-19)/(x^8-466x^4+1)$  ogf]  
A041715 8.08218 [  $-(x^2-2x-1)(x^4+6x^2+1)/(x^8-466x^4+1)$  ogf]

A041720 6.70851  $-(39+3002*x+x^6+3039*x^2-76*x^3-39*x^4-38*x^5)/(x+1)/(x^2-20*x-19)/(x^4-78*x^2+1)$  lgdogf  
A041720 8.04277  $[-(x+1)*(x^2-20*x-19)/(x^4-78*x^2+1)$  ogf]  
A041721 11.3155  $-2*(1+x)*(x^4-4*x^3+2*x^2+76*x+1)/(x^2-2*x-1)/(x^4-78*x^2+1)$  lgdogf  
A041721 11.9156  $[-(x^2-2*x-1)/(x^4-78*x^2+1)$  ogf]  
A041722 4.74361  $[-(x^{11}-19*x^{10}+20*x^9-39*x^8+488*x^7-527*x^6-1015*x^5-527*x^4-488*x^3-39*x^2-20*x-19)/(x^{12}-2030*x^6+1)$  ogf]  
A041723 5.63563  $[-(x^4-x^3+2*x^2+x+1)*(x^6-26*x^3-1)/(x^{12}-2030*x^6+1)$  ogf]  
A041735 5.30875  $[-(x^{10}-x^9+3*x^8-58*x^7+119*x^6-177*x^5-119*x^4-58*x^3-3*x^2-x-1)/(x^{12}-6964*x^6+1)$  ogf]  
A041740 6.80216  $[-(x^7-19*x^6+20*x^5-59*x^4-79*x^3-59*x^2-20*x-19)/(x^8-158*x^4+1)$  ogf]  
A041741 8.04040  $[-(x^2-x-1)*(x^4+4*x^2+1)/(x^8-158*x^4+1)$  ogf]  
A041744 7.04509  $[-(x^7-19*x^6+20*x^5-79*x^4-99*x^3-79*x^2-20*x-19)/(x^4+14*x^2-1)/(x^4-14*x^2-1)$  ogf]  
A041745 7.69771  $[-(x^2-x-1)*(x^4+5*x^2+1)/(x^4+14*x^2-1)/(x^4-14*x^2-1)$  ogf]  
A041750 5.13938  $[-(x^7-19*x^6+20*x^5-139*x^4-159*x^3-139*x^2-20*x-19)/(x^8-318*x^4+1)$  ogf]  
A041751 8.37797  $[-(x^2-x-1)*(x^4+8*x^2+1)/(x^8-318*x^4+1)$  ogf]  
A041752 4.75469  $[-(x^7-19*x^6+20*x^5-179*x^4-199*x^3-179*x^2-20*x-19)/(x^4+20*x^2+1)/(x^4-20*x^2+1)$  ogf]  
A041753 7.83727  $[-(x^2-x-1)*(x^4+10*x^2+1)/(x^4+20*x^2+1)/(x^4-20*x^2+1)$  ogf]  
A041756 4.70030  $[-(x^7-19*x^6+20*x^5-379*x^4-399*x^3-379*x^2-20*x-19)/(x^8-798*x^4+1)$  ogf]  
A041757 7.70846  $[-(x^2-x-1)*(x^4+20*x^2+1)/(x^8-798*x^4+1)$  ogf]  
A041758 8.19389  $-(20+1558*x+x^6-38*x^5-76*x^3-20*x^4+797*x^2)/(x^3-19*x^2-20*x-19)/(x^4-40*x^2+1)$  lgdogf  
A041758 9.79541  $[-(x^3-19*x^2-20*x-19)/(x^4-40*x^2+1)$  ogf]  
A041759 11.0020  $-(1+78*x+2*x^5-3*x^4-4*x^3+40*x^2)/(x^2-x-1)/(x^4-40*x^2+1)$  lgdogf  
A041759 11.4049  $[-(x^2-x-1)/(x^4-40*x^2+1)$  ogf]  
A041760 12.2727  $[-(x+20)/(x^2+40*x-1)$  ogf]  
A041760 13.4758  $(-10-20*x+(100+401*x+401*x^2)^{1/2})/(x+1)$  revogf  
A041760 16.1709  $-(801+40*x+x^2)/(x+20)/(x^2+40*x-1)$  lgdogf  
A041760 6.70715  $[{a(n+2)-40*a(n+1)-a(n), a(0) = 20, a(1) = 801},$  ogf]  
A041760 8.12415  $[-(x^2+40*x+801)/(x^3+60*x^2+799*x-20)$  lgdogf]  
A041761 12.2548  $[-(2*x-40)/(-x^2-40*x+1)$  lgdogf]  
A041761 15.4270  $1/2/x*(-1-40*x+(1+80*x+1604*x^2)^{1/2})$  revogf  
A041761 18.0218  $[-1/(x^2+40*x-1)$  ogf]  
A041761 27.3478  $-2*(20+x)/(x^2-1+40*x)$  lgdogf  
A041761 7.29455  $[{-a(n+2)+40*a(n+1)+a(n), a(0) = 1, a(1) = 40},$  ogf]  
A041762 8.66923  $[-(x^3-20*x^2-401*x-20)/(x^4-802*x^2+1)$  ogf]  
A041763 10.6245  $[-(x^2-20*x-1)/(x^4-802*x^2+1)$  ogf]  
A041763 9.20793  $-2*(10+801*x-30*x^4-2*x^3+x^5+8020*x^2)/(x^2-20*x-1)/(x^4-802*x^2+1)$  lgdogf  
A041766 8.97848  $[-(x^3-20*x^2-201*x-20)/(x^2-20*x-1)/(x^2+20*x-1)$  ogf]  
A041767 10.9834  $[-(x^2-10*x-1)/(x^2-20*x-1)/(x^2+20*x-1)$  ogf]  
A041767 8.40835  $-2*(5+401*x-2*x^3+2010*x^2-15*x^4+x^5)/(x^2-20*x-1)/(x^2-10*x-1)/(x^2+20*x-1)$  lgdogf  
A041768 9.85169  $[-(x^3-20*x^2-161*x-20)/(x^2+18*x+1)/(x^2-18*x+1)$  ogf]  
A041769 10.7287  $[-(x^2-8*x-1)/(x^2+18*x+1)/(x^2-18*x+1)$  ogf]  
A041769 8.17670  $-2*(4+321*x+x^5-12*x^4-2*x^3+1288*x^2)/(x^2-18*x+1)/(x^2+18*x+1)/(x^2-8*x-1)$  lgdogf  
A041773 5.70167  $[-(x^{10}-5*x^9+6*x^8-17*x^7+23*x^6-132*x^5-23*x^4-17*x^3-6*x^2-5*x-1)/(x^{12}-5326*x^6+1)$  ogf]  
A041774 9.20034  $[-(x+4)*(x^2-24*x-5)/(x^4-202*x^2+1)$  ogf]  
A041775 11.2288  $[-(x^2-5*x-1)/(x^4-202*x^2+1)$  ogf]  
A041775 9.85941  $-(5+402*x-4*x^3+1010*x^2-15*x^4+2*x^5)/(x^2-5*x-1)/$

$(x^4-202x^2+1)$  lgdogf  
A041778 5.67721  $-(81+6520x+x^6-40x^5-81x^4-80x^3+13119x^2)/$   
 $(x^3-20x^2-81x-20)/(x^4-162x^2+1)$  lgdogf  
A041778 6.97109 [  $-(x^3-20x^2-81x-20)/(x^4-162x^2+1)$  ogf ]  
A041779 10.8295 [  $-(x^2-4x-1)/(x^4-162x^2+1)$  ogf ]  
A041779 9.79946  $-2*(2+161x+x^5-6x^4-2x^3+324x^2)/(x^2-4x-1)/(x^4-162x^2+1)$   
lgdogf  
A041798 6.81556  $-(41+3320x+3359x^2-80x^3-41x^4-40x^5+x^6)/(x+1)/$   
 $(x^2-21x-20)/(x^4-82x^2+1)$  lgdogf  
A041798 8.16843 [  $-(x+1)*(x^2-21x-20)/(x^4-82x^2+1)$  ogf ]  
A041799 11.4169  $-2*(x+1)*(x^4-4x^3+2x^2+80x+1)/(x^2-2x-1)/(x^4-82x^2+1)$   
lgdogf  
A041799 12.0206 [  $-(x^2-2x-1)/(x^4-82x^2+1)$  ogf ]  
A041808 4.45672 [ -  
 $(x^{13}-20x^{12}+21x^{11}-41x^{10}+62x^9-103x^8+165x^7+268x^6+165x^5+103x^4+62x^3+41x^2+21x+20)/(x^{14}+536x^7-1)$  ogf ]  
A041809 5.41522 [  $-(x^{12}-$   
 $x^{11}+2x^{10}-3x^9+5x^8-8x^7+13x^6+8x^5+5x^4+3x^3+2x^2+x+1)/$   
 $(x^{14}+536x^7-1)$  ogf ]  
A041812 5.47232 [  $-(x^7-20x^6+21x^5-41x^4-62x^3-41x^2-21x-20)/$   
 $(x^8-124x^4+1)$  ogf ]  
A041813 8.34881 [  $-(x^2-x-1)*(x^4+3x^2+1)/(x^8-124x^4+1)$  ogf ]  
A041826 5.47313 [  $-(x^7-20x^6+21x^5-104x^4-125x^3-104x^2-21x-20)/$   
 $(x^8-250x^4+1)$  ogf ]  
A041827 7.98413 [  $-(x^2-x-1)*(x^4+6x^2+1)/(x^8-250x^4+1)$  ogf ]  
A041828 6.70598 [  $-(x^7-20x^6+21x^5-125x^4-146x^3-125x^2-21x-20)/$   
 $(x^8-292x^4+1)$  ogf ]  
A041829 8.19896 [  $-(x^2-x-1)*(x^4+7x^2+1)/(x^8-292x^4+1)$  ogf ]  
A041833 5.37269 [  $-(x^{10}-$   
 $x^9+10x^8-21x^7+199x^6-220x^5-199x^4-21x^3-10x^2-x-1)/(x^4-21x^2+1)/$   
 $(x^8+21x^6+440x^4+21x^2+1)$  ogf ]  
A041834 5.00205 [  $-(x^7-20x^6+21x^5-272x^4-293x^3-272x^2-21x-20)/$   
 $(x^8-586x^4+1)$  ogf ]  
A041835 7.40418 [  $-(x^2-x-1)*(x^4+14x^2+1)/(x^8-586x^4+1)$  ogf ]  
A041836 4.78134 [  $-(x^7-20x^6+21x^5-419x^4-440x^3-419x^2-21x-20)/$   
 $(x^8-880x^4+1)$  ogf ]  
A041837 7.87751 [  $-(x^2-x-1)*(x^4+21x^2+1)/(x^8-880x^4+1)$  ogf ]  
A041838 6.68860  $-(21+1720x+x^6-40x^5-80x^3-21x^4+879x^2)/$   
 $(x^3-20x^2-21x-20)/(x^4-42x^2+1)$  lgdogf  
A041838 8.02254 [  $-(x^3-20x^2-21x-20)/(x^4-42x^2+1)$  ogf ]  
A041839 11.0544  $-(1+82x+2x^5-3x^4-4x^3+42x^2)/(x^2-x-1)/(x^4-42x^2+1)$   
lgdogf  
A041839 11.4582 [  $-(x^2-x-1)/(x^4-42x^2+1)$  ogf ]  
A041840 10.2264  $1/2/(x+1)*(-21-42x+(441+1768x+1768x^2)^{(1/2)})$  revogf  
A041840 10.6685 [  $-(x+21)/(x^2+42x-1)$  ogf ]  
A041840 14.0247  $-(883+42x+x^2)/(x+21)/(x^2+42x-1)$  lgdogf  
A041840 5.83048 [  $\{a(n+2)-42a(n+1)-a(n), a(0) = 21, a(1) = 883\}$ , ogf ]  
A041840 7.06227 [  $-(x^2+42x+883)/(x^3+63x^2+881x-21)$  lgdogf ]  
A041841 12.3103 [  $-(-2x-42)/(-x^2-42x+1)$  lgdogf ]  
A041841 15.4981  $1/2/x*(-1-42x+(1+84x+1768x^2)^{(1/2)})$  revogf  
A041841 18.1034 [  $-1/(x^2+42x-1)$  ogf ]  
A041841 27.4738  $-2*(21+x)/(x^2-1+42x)$  lgdogf  
A041841 7.32756 [  $\{-a(n+2)+42a(n+1)+a(n), a(0) = 1, a(1) = 42\}$ , ogf ]  
A041842 7.66645 [  $-(x^3-21x^2-442x-21)/(x^4-884x^2+1)$  ogf ]  
A041843 7.88208  $-(21+1766x+2x^5-63x^4-4x^3+18564x^2)/(x^2-21x-1)/$   
 $(x^4-884x^2+1)$  lgdogf  
A041843 9.38060 [  $-(x^2-21x-1)/(x^4-884x^2+1)$  ogf ]  
A041844 7.24690 [  $-(x^3-21x^2-295x-21)/(x^4-590x^2+1)$  ogf ]  
A041845 10.2241  $-2*(7+589x+4130x^2-2x^3-21x^4+x^5)/(x^2-14x-1)/$   
 $(x^4-590x^2+1)$  lgdogf  
A041845 11.6096 [  $-(x^2-14x-1)/(x^4-590x^2+1)$  ogf ]

A041846 5.04390 [ -  
 $(x^9 - 21x^8 + 211x^7 - 232x^6 + 443x^5 + 4662x^4 + 443x^3 + 232x^2 + 211x + 21) /$   
 $(x^{10} + 9324x^5 - 1)$  ogf ]  
A041847 6.11019 [  $-(x^8 - 10x^7 + 11x^6 - 21x^5 + 221x^4 + 21x^3 + 11x^2 + 10x + 1) /$   
 $(x^{10} + 9324x^5 - 1)$  ogf ]  
A041850 6.59849 [  $-(x^3 - 21x^2 - 148x - 21) / (x^4 - 296x^2 + 1)$  ogf ]  
A041851 10.4840  $-(7 + 590x + 2x^5 - 21x^4 - 4x^3 + 2072x^2) / (x^2 - 7x - 1) /$   
 $(x^4 - 296x^2 + 1)$  lgdogf  
A041851 11.9275 [  $-(x^2 - 7x - 1) / (x^4 - 296x^2 + 1)$  ogf ]  
A041852 6.44592 [  $-(x^3 - 21x^2 - 127x - 21) / (x^2 - 16x + 1) / (x^2 + 16x + 1)$  ogf ]  
A041853 11.6779 [  $-(x^2 - 6x - 1) / (x^2 - 16x + 1) / (x^2 + 16x + 1)$  ogf ]  
A041853 9.15164  $-2 * (3 + 253x - 9x^4 + x^5 - 2x^3 + 762x^2) / (x^2 - 16x + 1) / (x^2 + 16x + 1) /$   
 $(x^2 - 6x - 1)$  lgdogf  
A041866 6.34912  $-(64 + 5418x + x^6 - 42x^5 + 8189x^2 - 84x^3 - 64x^4) /$   
 $(x^3 - 21x^2 - 64x - 21) / (x^4 - 128x^2 + 1)$  lgdogf  
A041866 7.69014 [  $-(x^3 - 21x^2 - 64x - 21) / (x^4 - 128x^2 + 1)$  ogf ]  
A041867 10.4851  $-(3 + 254x + 2x^5 - 4x^3 - 9x^4 + 384x^2) / (x^2 - 3x - 1) / (x^4 - 128x^2 + 1)$   
lgdogf  
A041867 11.5767 [  $-(x^2 - 3x - 1) / (x^4 - 128x^2 + 1)$  ogf ]  
A041868 4.76479 [ -  
 $(x^{11} - 21x^{10} + 43x^9 - 64x^8 + 299x^7 - 363x^6 - 1025x^5 - 363x^4 - 299x^3 - 64x^2 - 43x$   
 $- 21) / (x^{12} - 2050x^6 + 1)$  ogf ]  
A041869 5.61047 [ -  
 $(x^{10} - 2x^9 + 3x^8 - 14x^7 + 17x^6 - 48x^5 - 17x^4 - 14x^3 - 3x^2 - 2x - 1) /$   
 $(x^{12} - 2050x^6 + 1)$  ogf ]  
A041872 5.98813 [  $-(x^5 - 21x^4 + 43x^3 + 107x^2 + 43x + 21) / (x^6 + 214x^3 - 1)$  ogf ]  
A041873 9.36467 [  $-(x^4 - 2x^3 + 5x^2 + 2x + 1) / (x^6 + 214x^3 - 1)$  ogf ]  
A041880 6.88693  $-(43 + 3654x + 3695x^2 - 84x^3 - 43x^4 - 42x^5 + x^6) / (x + 1) /$   
 $(x^2 - 22x - 21) / (x^4 - 86x^2 + 1)$  lgdogf  
A041880 8.25222 [  $-(x + 1) * (x^2 - 22x - 21) / (x^4 - 86x^2 + 1)$  ogf ]  
A041881 11.4677  $-2 * (x + 1) * (x^4 - 4x^3 + 2x^2 + 84x + 1) / (x^2 - 2x - 1) / (x^4 - 86x^2 + 1)$   
lgdogf  
A041881 12.0731 [  $-(x^2 - 2x - 1) / (x^4 - 86x^2 + 1)$  ogf ]  
A041896 4.93283 [ -  
 $(x^{11} - 21x^{10} + 22x^9 - 65x^8 + 542x^7 - 1149x^6 - 1691x^5 - 1149x^4 - 542x^3 - 65x^2 - 22$   
 $* x - 21) / (x^{12} - 3382x^6 + 1)$  ogf ]  
A041897 5.49649 [  $-(x^{10} - x^9 + 3x^8 - 25x^7 + 53x^6 - 78x^5 - 53x^4 - 25x^3 - 3x^2 -$   
 $x - 1) / (x^{12} - 3382x^6 + 1)$  ogf ]  
A041902 5.33642 [  $-(x^7 - 21x^6 + 22x^5 - 65x^4 - 87x^3 - 65x^2 - 22x - 21) /$   
 $(x^8 - 174x^4 + 1)$  ogf ]  
A041903 8.14905 [  $-(x^2 - x - 1) * (x^4 + 4x^2 + 1) / (x^8 - 174x^4 + 1)$  ogf ]  
A041916 4.97456 [  $-(x^7 - 21x^6 + 22x^5 - 219x^4 - 241x^3 - 219x^2 - 22x - 21) /$   
 $(x^4 - 22x^2 + 1) / (x^4 + 22x^2 + 1)$  ogf ]  
A041917 7.97871 [  $-(x^2 - x - 1) * (x^4 + 11x^2 + 1) / (x^4 - 22x^2 + 1) / (x^4 + 22x^2 + 1)$  ogf ]  
A041920 6.49402 [  $-(x^7 - 21x^6 + 22x^5 - 461x^4 - 483x^3 - 461x^2 - 22x - 21) /$   
 $(x^8 - 966x^4 + 1)$  ogf ]  
A041921 7.87751 [  $-(x^2 - x - 1) * (x^4 + 22x^2 + 1) / (x^8 - 966x^4 + 1)$  ogf ]  
A041922 6.72496  $-(22 + 1890x + 965x^2 - 84x^3 - 22x^4 - 42x^5 + x^6) /$   
 $(x^3 - 21x^2 - 22x - 21) / (x^4 - 44x^2 + 1)$  lgdogf  
A041922 8.06520 [  $-(x^3 - 21x^2 - 22x - 21) / (x^4 - 44x^2 + 1)$  ogf ]  
A041923 11.5648 [  $-(x^2 - x - 1) / (x^4 - 44x^2 + 1)$  ogf ]  
A041924 12.5607 [  $-(x + 22) / (x^2 + 44x - 1)$  ogf ]  
A041924 13.7982  $(-11 - 22x + (121 + 485x + 485x^2)^{(1/2)}) / (x + 1)$  revogf  
A041924 16.5578  $-(969 + 44x + x^2) / (x + 22) / (x^2 + 44x - 1)$  lgdogf  
A041924 6.86459 [  $\{a(n+2) - 44a(n+1) - a(n), a(0) = 22, a(1) = 969\}$ , ogf ]  
A041924 8.31486  $[-(x^2 + 44x + 969) / (x^3 + 66x^2 + 967x - 22)$  lgdogf ]  
A041925 12.4767 [  $-(-2x - 44) / (-x^2 - 44x + 1)$  lgdogf ]  
A041925 15.7113  $1/2 * x * (-1 - 44x + (1 + 88x + 1940x^2)^{(1/2)})$  revogf  
A041925 18.3480 [  $-1 / (x^2 + 44x - 1)$  ogf ]  
A041925 27.8519  $-2 * (22 + x) / (x^2 - 1 + 44x)$  lgdogf  
A041925 7.42658 [  $\{-a(n+2) + 44a(n+1) + a(n), a(0) = 1, a(1) = 44\}$ , ogf ]

A041926 7.70459 [  $-(x^3-22x^2-485x-22)/(x^4-970x^2+1)$  ogf]  
A041927 8.03649  $-2*(11+969x+x^5-33x^4-2x^3+10670x^2)/(x^2-22x-1)/(x^4-970x^2+1)$  lgdogf  
A041927 9.42680 [  $-(x^2-22x-1)/(x^4-970x^2+1)$  ogf]  
A041930 7.09432 [  $-(x^3-22x^2-243x-22)/(x^2-22x-1)/(x^2+22x-1)$  ogf]  
A041931 7.48258  $-(11+970x+2x^5-4x^3-33x^4+5346x^2)/(x^2+22x-1)/(x^2-11x-1)/(x^2-22x-1)$  lgdogf  
A041931 9.91623 [  $-(x^2-11x-1)/(x^2-22x-1)/(x^2+22x-1)$  ogf]  
A041944 5.77623  $-(89+7876x+x^6-44x^5-89x^4-88x^3+15839x^2)/(x^3-22x^2-89x-22)/(x^4-178x^2+1)$  lgdogf  
A041944 7.08991 [  $-(x^3-22x^2-89x-22)/(x^4-178x^2+1)$  ogf]  
A041945 11.1404  $-2*(2+177x+x^5-6x^4-2x^3+356x^2)/(x^2-4x-1)/(x^4-178x^2+1)$  lgdogf  
A041945 12.2876 [  $-(x^2-4x-1)/(x^4-178x^2+1)$  ogf]  
A041953 5.48673 [  $-(x^{10}-2x^9+3x^8-65x^7+68x^6-201x^5-68x^4-65x^3-3x^2-2x-1)/(x^{12}-8980x^6+1)$  ogf]  
A041962 4.78134 [  $-(x+1)*(x^6-23x^5+68x^4-270x^3-179x^2-23x-22)/(x^4-30x^2+1)/(x^4+30x^2+1)$  ogf]  
A041963 8.01422 [  $-(x^2-2x-1)*(x^4+10x^2+1)/(x^4-30x^2+1)/(x^4+30x^2+1)$  ogf]  
A041964 5.00555 [  $-(x+1)*(x^6-23x^5+68x^4-450x^3-359x^2-23x-22)/(x^8-1618x^4+1)$  ogf]  
A041965 7.65720 [  $-(x^2-2x-1)*(x^4+18x^2+1)/(x^8-1618x^4+1)$  ogf]  
A041966 6.99398  $-(45+4004x-45x^4-88x^3+x^6-44x^5+4047x^2)/(x+1)/(x^2-23x-22)/(x^4-90x^2+1)$  lgdogf  
A041966 8.37788 [  $-(x+1)*(x^2-23x-22)/(x^4-90x^2+1)$  ogf]  
A041967 11.5692  $-2*(x+1)*(x^4-4x^3+2x^2+88x+1)/(x^2-2x-1)/(x^4-90x^2+1)$  lgdogf  
A041967 12.1781 [  $-(x^2-2x-1)/(x^4-90x^2+1)$  ogf]  
A041969 5.76143 [  $-(x^4-x^3+2x^2+x+1)*(x^6-30x^3-1)/(x^2-4x+1)/(x^2+4x+1)/(x^4-4x^3+15x^2-4x+1)/(x^4+4x^3+15x^2+4x+1)$  ogf]  
A041974 4.92179 [  $-(x^{11}-22x^{10}+23x^9-45x^8+113x^7-158x^6-271x^5-158x^4-113x^3-45x^2-23x-22)/(x^{12}-542x^6+1)$  ogf]  
A041975 6.15456 [  $-(x^6-6x^3-1)*(x^4-x^3+2x^2+x+1)/(x^{12}-542x^6+1)$  ogf]  
A041983 5.42886 [  $-(x^{10}-x^9+3x^8-67x^7+137x^6-204x^5-137x^4-67x^3-3x^2-x-1)/(x^{12}-9250x^6+1)$  ogf]  
A041991 5.65231 [  $-(x^{10}-x^9+4x^8-25x^7+79x^6-104x^5-79x^4-25x^3-4x^2-x-1)/(x^{12}-4734x^6+1)$  ogf]  
A042008 4.73787 [  $-(x^7-22x^6+23x^5-505x^4-528x^3-505x^2-23x-22)/(x^8-1056x^4+1)$  ogf]  
A042009 7.42616 [  $-(x^2-x-1)*(x^4+23x^2+1)/(x^8-1056x^4+1)$  ogf]  
A042010 6.02748  $-(23+2068x+x^6-44x^5-23x^4-88x^3+1055x^2)/(x^3-22x^2-23x-22)/(x^4-46x^2+1)$  lgdogf  
A042010 7.33065 [  $-(x^3-22x^2-23x-22)/(x^4-46x^2+1)$  ogf]  
A042011 12.8123 [  $-(x^2-x-1)/(x^4-46x^2+1)$  ogf]  
A042011 6.35138 [  $-(2x^5+3x^4+4x^3-46x^2-90x-1)/(-x^6+x^5+47x^4-46x^3-47x^2+x+1)$  lgdogf]  
A042012 12.2426  $1/2/(x+1)*(-23-46x+(529+2120x+2120x^2)^{1/2})$  revogf  
A042012 12.7336 [  $-(x+23)/(x^2+46x-1)$  ogf]  
A042012 16.3235  $-(1059+46x+x^2)/(x+23)/(x^2+46x-1)$  lgdogf  
A042012 6.87907 [  $\{a(n+2)-46*a(n+1)-a(n), a(0) = 23, a(1) = 1059\}$ , ogf]  
A042012 8.19834 [  $-(x^2+46x+1059)/(x^3+69x^2+1057x-23)$  lgdogf]  
A042013 12.4767 [  $-(-2x-46)/(-x^2-46x+1)$  lgdogf]  
A042013 15.7113  $1/2/x*(-1-46x+(1+92x+2120x^2)^{1/2})$  revogf  
A042013 18.3480 [  $-1/(x^2+46x-1)$  ogf]  
A042013 27.8519  $-2*(23+x)/(x^2-1+46x)$  lgdogf  
A042013 7.42658 [  $\{-a(n+2)+46*a(n+1)+a(n), a(0) = 1, a(1) = 46\}$ , ogf]  
A042014 7.59758 [  $-(x^3-23x^2-530x-23)/(x^4-1060x^2+1)$  ogf]  
A042015 11.0077 [  $-(x^2-23x-1)/(x^4-1060x^2+1)$  ogf]  
A042015 9.29772  $-(23+2118x+2x^5-4x^3-69x^4+24380x^2)/(x^2-23x-1)/$

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(x^4-1060*x^2+1) lgdogf
A042018 5.02910 [ -
(x^9-23*x^8+254*x^7-277*x^6+531*x^5+6118*x^4+531*x^3+277*x^2+254*x+23)/
(x^10+12236*x^5-1) ogf]
A042019 6.35069 [ -(x^8-11*x^7+12*x^6-23*x^5+265*x^4+23*x^3+12*x^2+11*x+1)/
(x^10+12236*x^5-1) ogf]
A042040 4.92144 [ -(x^7-23*x^6+70*x^5-793*x^4-2449*x^3-793*x^2-70*x-23)/
(x^4+70*x^2+1)/(x^4-70*x^2+1) ogf]
A042041 7.04045 [ -(x^2-3*x-1)*(x^4+35*x^2+1)/(x^4+70*x^2+1)/(x^4-70*x^2+1) ogf]
A042043 5.59597 [ -
(x^10-2*x^9+3*x^8-26*x^7+29*x^6-84*x^5-29*x^4-26*x^3-3*x^2-2*x-1)/
(x^12-3922*x^6+1) ogf]
A042045 5.88947 [ -(x^2-2*x-1)*(x^8+4*x^6+15*x^4+4*x^2+1)/(x^12-1402*x^6+1) ogf]
A042056 7.02967 -(47+4370*x+x^6-47*x^4-92*x^3-46*x^5+4415*x^2)/(x+1)/
(x^2-24*x-23)/(x^4-94*x^2+1) lgdogf
A042056 8.41977 [ -(x+1)*(x^2-24*x-23)/(x^4-94*x^2+1) ogf]
A042057 10.4851 -2*(x+1)*(x^4-4*x^3+2*x^2+92*x+1)/(x^2-2*x-1)/(x^4-94*x^2+1)
lgdogf
A042057 11.0532 [ -(x^2-2*x-1)/(x^4-94*x^2+1) ogf]
A042066 6.04237 [ -(x^9-23*x^8+24*x^7-47*x^6+71*x^5+118*x^4+71*x^3+47*x^2+24*x
+23)/(x^10+236*x^5-1) ogf]
A042067 6.92168 [ -(x^4+2*x^3+4*x^2+3*x+1)*(x^4-3*x^3+4*x^2-2*x+1)/
(x^10+236*x^5-1) ogf]
A042072 6.71106 [ -(x^7-23*x^6+24*x^5-47*x^4-71*x^3-47*x^2-24*x-23)/
(x^4+12*x^2+1)/(x^4-12*x^2+1) ogf]
A042073 8.49527 [ -(x^2-x-1)*(x^4+3*x^2+1)/(x^4+12*x^2+1)/(x^4-12*x^2+1) ogf]
A042080 5.36558 [ -(x^7-23*x^6+24*x^5-71*x^4-95*x^3-71*x^2-24*x-23)/
(x^8-190*x^4+1) ogf]
A042081 7.62610 [ -(x^2-x-1)*(x^4+4*x^2+1)/(x^8-190*x^4+1) ogf]
A042087 5.57110 [ -(x^10-x^9+5*x^8-16*x^7+69*x^6-85*x^5-69*x^4-16*x^3-5*x^2-
x-1)/(x^4-16*x^2+1)/(x^8+16*x^6+255*x^4+16*x^2+1) ogf]
A042088 5.05558 [ -(x^7-23*x^6+24*x^5-119*x^4-143*x^3-119*x^2-24*x-23)/
(x^8-286*x^4+1) ogf]
A042089 8.16315 [ -(x^2-x-1)*(x^4+6*x^2+1)/(x^8-286*x^4+1) ogf]
A042092 4.72721 [ -(x^7-23*x^6+24*x^5-167*x^4-191*x^3-167*x^2-24*x-23)/
(x^8-382*x^4+1) ogf]
A042093 7.85265 [ -(x^2-x-1)*(x^4+8*x^2+1)/(x^8-382*x^4+1) ogf]
A042096 4.97456 [ -(x^7-23*x^6+24*x^5-263*x^4-287*x^3-263*x^2-24*x-23)/
(x^4+24*x^2+1)/(x^4-24*x^2+1) ogf]
A042097 8.11569 [ -(x^2-x-1)*(x^4+12*x^2+1)/(x^4+24*x^2+1)/(x^4-24*x^2+1) ogf]
A042098 4.72731 [ -(x^7-23*x^6+24*x^5-359*x^4-383*x^3-359*x^2-24*x-23)/
(x^8-766*x^4+1) ogf]
A042099 7.60703 [ -(x^2-x-1)*(x^4+16*x^2+1)/(x^8-766*x^4+1) ogf]
A042100 4.73787 [ -(x^7-23*x^6+24*x^5-551*x^4-575*x^3-551*x^2-24*x-23)/
(x^8-1150*x^4+1) ogf]
A042101 7.42616 [ -(x^2-x-1)*(x^4+24*x^2+1)/(x^8-1150*x^4+1) ogf]
A042102 6.09798 -(24+2254*x+x^6-46*x^5-24*x^4-92*x^3+1149*x^2)/
(x^3-23*x^2-24*x-23)/(x^4-48*x^2+1) lgdogf
A042102 7.41442 [ -(x^3-23*x^2-24*x-23)/(x^4-48*x^2+1) ogf]
A042103 11.4735 -(1+94*x+2*x^5-4*x^3-3*x^4+48*x^2)/(x^2-x-1)/(x^4-48*x^2+1)
lgdogf
A042103 11.8845 [ -(x^2-x-1)/(x^4-48*x^2+1) ogf]
A042104 11.0616 [ -(x+24)/(x^2+48*x-1) ogf]
A042104 12.1271 (-12-24*x+(144+577*x+577*x^2)^(1/2))/(x+1) revogf
A042104 14.1483 -(1153+48*x+x^2)/(x+24)/(x^2+48*x-1) lgdogf
A042104 5.97580 [{a(n+2)-48*a(n+1)-a(n), a(0) = 24, a(1) = 1153}, ogf]
A042104 7.12185 [-(x^2+48*x+1153)/(x^3+72*x^2+1151*x-24) lgdogf]
A042105 12.7539 [-(2*x-48)/(-x^2-48*x+1) lgdogf]
A042105 16.0668 1/2/x*(-1-48*x+(1+96*x+2308*x^2)^(1/2)) revogf
A042105 18.7558 [ -1/(x^2+48*x-1) ogf]
A042105 28.4821 -2*(24+x)/(x^2-1+48*x) lgdogf

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A042105 7.59162 [  $\{-a(n+2)+48*a(n+1)+a(n), a(0) = 1, a(1) = 48\}$ , ogf]  
A042106 7.71042 [  $-(x^3-24*x^2-577*x-24)/(x^2-34*x+1)/(x^2+34*x+1)$  ogf]  
A042107 11.0077 [  $-(x^2-24*x-1)/(x^2-34*x+1)/(x^2+34*x+1)$  ogf]  
A042107 8.25172  $-2*(12+1153*x+x^5-2*x^3-36*x^4+13848*x^2)/(x^2-34*x+1)/(x^2+34*x+1)/(x^2-24*x-1)$  lgdogf  
A042108 7.51389 [  $-(x^3-24*x^2-385*x-24)/(x^4-770*x^2+1)$  ogf]  
A042109 10.5301 [  $-(x^2-16*x-1)/(x^4-770*x^2+1)$  ogf]  
A042109 9.26079  $-2*(8+769*x+6160*x^2-2*x^3-24*x^4+x^5)/(x^2-16*x-1)/(x^4-770*x^2+1)$  lgdogf  
A042110 7.20875 [  $-(x^3-24*x^2-289*x-24)/(x^2-24*x-1)/(x^2+24*x-1)$  ogf]  
A042111 11.5615 [  $-(x^2-12*x-1)/(x^2-24*x-1)/(x^2+24*x-1)$  ogf]  
A042111 8.85880  $-2*(6+577*x+3468*x^2-2*x^3-18*x^4+x^5)/(x^2-12*x-1)/(x^2-24*x-1)/(x^2+24*x-1)$  lgdogf  
A042114 6.82734 [  $-(x^3-24*x^2-193*x-24)/(x^4-386*x^2+1)$  ogf]  
A042115 11.0226 [  $-(x^2-8*x-1)/(x^4-386*x^2+1)$  ogf]  
A042115 9.67836  $-2*(4+385*x+x^5-12*x^4-2*x^3+1544*x^2)/(x^2-8*x-1)/(x^4-386*x^2+1)$  lgdogf  
A042118 6.59849 [  $-(x^3-24*x^2-145*x-24)/(x^4-290*x^2+1)$  ogf]  
A042119 10.8116  $-2*(3+289*x+x^5-9*x^4-2*x^3+870*x^2)/(x^2-6*x-1)/(x^4-290*x^2+1)$  lgdogf  
A042119 11.9275 [  $-(x^2-6*x-1)/(x^4-290*x^2+1)$  ogf]  
A042126 7.20873 [  $-(x^3-24*x^2-97*x-24)/(x^2-14*x+1)/(x^2+14*x+1)$  ogf]  
A042127 11.1290 [  $-(x^2-4*x-1)/(x^2-14*x+1)/(x^2+14*x+1)$  ogf]  
A042131 5.59068 [  $-(x^{10}-3*x^9+7*x^8-31*x^7+69*x^6-238*x^5-69*x^4-31*x^3-7*x^2-3*x-1)/(x^{12}-11562*x^6+1)$  ogf]  
A042134 5.75684  $-(73+7056*x+10655*x^2-96*x^3-73*x^4-48*x^5+x^6)/(x^2-12*x-1)/(x^2+12*x-1)/(x^3-24*x^2-73*x-24)$  lgdogf  
A042134 7.89251 [  $-(x^3-24*x^2-73*x-24)/(x^2-12*x-1)/(x^2+12*x-1)$  ogf]  
A042135 11.7798 [  $-(x^2-3*x-1)/(x^2-12*x-1)/(x^2+12*x-1)$  ogf]  
A042135 9.23009  $-(3+290*x+2*x^5+438*x^2-4*x^3-9*x^4)/(x^2-12*x-1)/(x^2+12*x-1)/(x^2-3*x-1)$  lgdogf  
A042150 6.18916  $-(49+4752*x+x^6-49*x^4-96*x^3-48*x^5+4799*x^2)/(x+1)/(x^2-10*x+1)/(x^2+10*x+1)/(x^2-25*x-24)$  lgdogf  
A042150 8.41977 [  $-(x+1)*(x^2-25*x-24)/(x^2-10*x+1)/(x^2+10*x+1)$  ogf]  
A042151 12.3356 [  $-(x^2-2*x-1)/(x^2-10*x+1)/(x^2+10*x+1)$  ogf]  
A042151 9.90541  $-2*(x+1)*(x^4-4*x^3+2*x^2+96*x+1)/(x^2-10*x+1)/(x^2+10*x+1)/(x^2-2*x-1)$  lgdogf  
A042154 4.91952 [  $-(x^{11}-24*x^{10}+25*x^9-49*x^8+319*x^7-368*x^6-687*x^5-368*x^4-319*x^3-49*x^2-25*x-24)/(x^{12}-1374*x^6+1)$  ogf]  
A042155 5.79956 [  $-(x^2-2*x-1)*(x^4-x^3+2*x^2+x+1)*(x^4+2*x^3+5*x^2-2*x+1)/(x^{12}-1374*x^6+1)$  ogf]  
A042180 5.54654 [  $-(x^7-24*x^6+25*x^5-99*x^4-124*x^3-99*x^2-25*x-24)/(x^8-248*x^4+1)$  ogf]  
A042181 7.94833 [  $-(x^2-x-1)*(x^4+5*x^2+1)/(x^8-248*x^4+1)$  ogf]  
A042190 4.97456 [  $-(x^7-24*x^6+25*x^5-224*x^4-249*x^3-224*x^2-25*x-24)/(x^8-498*x^4+1)$  ogf]  
A042191 8.11717 [  $-(x^2-x-1)*(x^4+10*x^2+1)/(x^8-498*x^4+1)$  ogf]  
A042196 4.81817 [  $-(x^7-24*x^6+25*x^5-599*x^4-624*x^3-599*x^2-25*x-24)/(x^8-1248*x^4+1)$  ogf]  
A042197 7.42616 [  $-(x^2-x-1)*(x^4+25*x^2+1)/(x^8-1248*x^4+1)$  ogf]  
A042198 10.2808 [  $-(x^3-24*x^2-25*x-24)/(x^4-50*x^2+1)$  ogf]  
A042198 8.50238  $-(25+2448*x+x^6-48*x^5-25*x^4-96*x^3+1247*x^2)/(x^3-24*x^2-25*x-24)/(x^4-50*x^2+1)$  lgdogf  
A042199 11.4735  $-(1+98*x+2*x^5-4*x^3-3*x^4+50*x^2)/(x^2-x-1)/(x^4-50*x^2+1)$  lgdogf  
A042199 11.8845 [  $-(x^2-x-1)/(x^4-50*x^2+1)$  ogf]  
A042200 10.6662  $1/2/(x+1)*(-25-50*x+(625+2504*x+2504*x^2)^{1/2})$  revogf  
A042200 11.1177 [  $-(x+25)/(x^2+50*x-1)$  ogf]  
A042200 14.2216  $-(1251+50*x+x^2)/(x+25)/(x^2+50*x-1)$  lgdogf



A042200 6.00614 [ $\{a(n+2)-50a(n+1)-a(n), a(0) = 25, a(1) = 1251\}$ , ogf]  
A042200 7.15800 [ $-(x^2+50x+1251)/(x^3+75x^2+1249x-25)$  lgdogf]  
A042201 12.8094 [ $-(-2x-50)/(-x^2-50x+1)$  lgdogf]  
A042201 15.7344  $1/2/x*(-1-50x+(1+100x+2504x^2)^{(1/2)})$  revogf  
A042201 18.8373 [ $-1/(x^2+50x-1)$  ogf]  
A042201 28.6081  $-2*(25+x)/(x^2-1+50x)$  lgdogf  
A042201 7.62462 [ $\{-a(n+2)+50a(n+1)+a(n), a(0) = 1, a(1) = 50\}$ , ogf]  
A042202 7.78564 [ $-(x^3-25x^2-626x-25)/(x^4-1252x^2+1)$  ogf]  
A042203 11.0542 [ $-(x^2-25x-1)/(x^4-1252x^2+1)$  ogf]  
A042203 9.33762  $-(25+2502x+2x^5-4x^3-75x^4+31300x^2)/(x^2-25x-1)/$   
 $(x^4-1252x^2+1)$  lgdogf  
A042207 6.37727 [ $-(x^8-12x^7+13x^6-25x^5+313x^4+25x^3+13x^2+12x+1)/$   
 $(x^{10}+15700x^5-1)$  ogf]  
A042208 7.09432 [ $-(x^3-25x^2-251x-25)/(x^4-502x^2+1)$  ogf]  
A042209 11.2724 [ $-(x^2-10x-1)/(x^4-502x^2+1)$  ogf]  
A042209 9.92217  $-2*(5+501x+x^5-2x^3-15x^4+2510x^2)/(x^2-10x-1)/$   
 $(x^4-502x^2+1)$  lgdogf  
A042212 4.64060 [ $-(x^7-25x^6+176x^5-1081x^4-7743x^3-1081x^2-176x-25)/$   
 $(x^8-15486x^4+1)$  ogf]  
A042213 7.01063 [ $-(x^2-7x-1)*(x^4+44x^2+1)/(x^8-15486x^4+1)$  ogf]  
A042218 6.48406 [ $-(x^3-25x^2-126x-25)/(x^4-252x^2+1)$  ogf]  
A042219 10.2163  $-(5+502x-15x^4+2x^5-4x^3+1260x^2)/(x^2-5x-1)/$   
 $(x^4-252x^2+1)$  lgdogf  
A042219 11.6281 [ $-(x^2-5x-1)/(x^4-252x^2+1)$  ogf]  
A042233 5.61489 [-  
 $(x^{10}-2x^9+3x^8-74x^7+77x^6-228x^5-77x^4-74x^3-3x^2-2x-1)/$   
 $(x^{12}-11554x^6+1)$  ogf]  
A042240 4.53822 [ $-(x+1)*(x^6-26x^5+77x^4-204x^3-101x^2-26x-25)/$   
 $(x^8-610x^4+1)$  ogf]  
A042241 8.32710 [ $-(x^2-2x-1)*(x^4+6x^2+1)/(x^8-610x^4+1)$  ogf]  
A042248 6.12261  $-(51+5150x+x^6-51x^4-100x^3-50x^5+5199x^2)/(x+1)/$   
 $(x^2+10x-1)/(x^2-10x-1)/(x^2-26x-25)$  lgdogf  
A042248 8.29949 [ $-(x+1)*(x^2-26x-25)/(x^2+10x-1)/(x^2-10x-1)$  ogf]  
A042249 11.3228 [ $-(x^2-2x-1)/(x^2+10x-1)/(x^2-10x-1)$  ogf]  
A042249 9.11201  $-2*(1+x)*(x^4-4x^3+2x^2+100x+1)/(x^2+10x-1)/(x^2-10x-1)/$   
 $(x^2-2x-1)$  lgdogf  
A042250 5.04009 [-  
 $(x^{11}-25x^{10}+26x^9-51x^8+842x^7-893x^6-1735x^5-893x^4-842x^3-51x^2-26x$   
 $-25)/(x^{12}-3470x^6+1)$  ogf]  
A042251 5.49649 [ $-(x^4-x^3+2x^2+x+1)*(x^6-34x^3-1)/(x^{12}-3470x^6+1)$  ogf]  
A042269 5.63563 [ $-(x^{10}-x^9+3x^8-13x^7+29x^6-42x^5-29x^4-13x^3-3x^2-$   
 $x-1)/(x^4-13x^2+1)/(x^8+13x^6+168x^4+13x^2+1)$  ogf]  
A042274 5.43099 [ $-(x^7-25x^6+26x^5-77x^4-103x^3-77x^2-26x-25)/$   
 $(x^8-206x^4+1)$  ogf]  
A042275 7.69771 [ $-(x^2-x-1)*(x^4+4x^2+1)/(x^8-206x^4+1)$  ogf]  
A042292 4.61926 [ $-(x^7-25x^6+26x^5-311x^4-337x^3-311x^2-26x-25)/$   
 $(x^4+26x^2+1)/(x^4-26x^2+1)$  ogf]  
A042293 7.53941 [ $-(x^2-x-1)*(x^4+13x^2+1)/(x^4+26x^2+1)/(x^4-26x^2+1)$  ogf]  
A042296 4.87171 [ $-(x^7-25x^6+26x^5-649x^4-675x^3-649x^2-26x-25)/$   
 $(x^8-1350x^4+1)$  ogf]  
A042297 7.45917 [ $-(x^2-x-1)*(x^4+26x^2+1)/(x^8-1350x^4+1)$  ogf]  
A042298 10.3690 [ $-(x^3-25x^2-26x-25)/(x^4-52x^2+1)$  ogf]  
A042298 8.47330  $-(26+2650x+x^6-50x^5-26x^4-100x^3+1349x^2)/$   
 $(x^3-25x^2-26x-25)/(x^4-52x^2+1)$  lgdogf  
A042299 11.4884  $-(1+102x+52x^2-4x^3-3x^4+2x^5)/(x^2-x-1)/(x^4-52x^2+1)$   
lgdogf  
A042299 12.0977 [ $-(x^2-x-1)/(x^4-52x^2+1)$  ogf]  
A042300 13.0793 [ $-(x+26)/(x^2+52x-1)$  ogf]  
A042300 14.3785  $(-13-26x+(169+677x+677x^2)^{(1/2)})/(x+1)$  revogf  
A042300 16.7749  $-(1353+52x+x^2)/(x+26)/(x^2+52x-1)$  lgdogf  
A042300 7.06583 [ $\{a(n+2)-52a(n+1)-a(n), a(0) = 26, a(1) = 1353\}$ , ogf]

A042300 8.42092  $[-(x^2+52x+1353)/(x^3+78x^2+1351x-26) \text{ lgdogf}]$   
A042301 12.9757  $[-(-2x-52)/(-x^2-52x+1) \text{ lgdogf}]$   
A042301 15.9424  $1/2/x^*(-1-52x+(1+104x+2708x^2)^{(1/2)}) \text{ revogf}$   
A042301 19.0819  $[-1/(x^2+52x-1) \text{ ogf}]$   
A042301 28.9862  $-2*(x+26)/(x^2-1+52x) \text{ lgdogf}$   
A042301 7.72364  $[{-a(n+2)+52*a(n+1)+a(n), a(0) = 1, a(1) = 52}, \text{ ogf}]$   
A042302 7.89847  $[-(x^3-26x^2-677x-26)/(x^4-1354x^2+1) \text{ ogf}]$   
A042303 8.20062  $-2*(13+1353x+17602x^2-2x^3-39x^4+x^5)/(x^2-26x-1)/(x^4-1354x^2+1) \text{ lgdogf}$   
A042303 9.72679  $[-(x^2-26x-1)/(x^4-1354x^2+1) \text{ ogf}]$   
A042306 7.39946  $[-(x^3-26x^2-339x-26)/(x^2+26x-1)/(x^2-26x-1) \text{ ogf}]$   
A042307 10.2940  $[-(x^2-13x-1)/(x^2+26x-1)/(x^2-26x-1) \text{ ogf}]$   
A042307 7.67477  $-(13+1354x+8814x^2-4x^3-39x^4+2x^5)/(x^2-13x-1)/(x^2+26x-1)/(x^2-26x-1) \text{ lgdogf}$   
A042324 5.63864  $-(105+10972x+x^6-52x^5-104x^3-105x^4+22047x^2)/(x^3-26x^2-105x-26)/(x^4-210x^2+1) \text{ lgdogf}$   
A042324 7.22435  $[-(x^3-26x^2-105x-26)/(x^4-210x^2+1) \text{ ogf}]$   
A042325 11.1789  $[-(x^2-4x-1)/(x^4-210x^2+1) \text{ ogf}]$   
A042327 5.37214  $[-(x^{10}-3x^9+4x^8-11x^7+15x^6-56x^5-15x^4-11x^3-4x^2-3x-1)/(x^{12}-2942x^6+1) \text{ ogf}]$   
A042340 7.62840  $[-(x^5-26x^4+53x^3+132x^2+53x+26)/(x^6+264x^3-1) \text{ ogf}]$   
A042341 8.73733  $[-(x^4-2x^3+5x^2+2x+1)/(x^6+264x^3-1) \text{ ogf}]$   
A042348 5.35029  $[-(x^9-26x^8+53x^7-556x^6+5613x^5+11782x^4+5613x^3+556x^2+53x+26)/(x^{10}+23564x^5-1) \text{ ogf}]$   
A042349 5.46981  $[-(x^8-2x^7+21x^6-212x^5+445x^4+212x^3+21x^2+2x+1)/(x^{10}+23564x^5-1) \text{ ogf}]$   
A042350 6.86028  $-(53+5564x+x^6-53x^4-104x^3-52x^5+5615x^2)/(x+1)/(x^2-27x-26)/(x^4-106x^2+1) \text{ lgdogf}$   
A042350 8.29949  $[-(x+1)*(x^2-27x-26)/(x^4-106x^2+1) \text{ ogf}]$   
A042351 10.5817  $-2*(1+x)*(x^4-4x^3+2x^2+104x+1)/(x^2-2x-1)/(x^4-106x^2+1) \text{ lgdogf}$   
A042351 11.3228  $[-(x^2-2x-1)/(x^4-106x^2+1) \text{ ogf}]$   
A042368 5.30725  $[-(x^7-26x^6+27x^5-53x^4-80x^3-53x^2-27x-26)/(x^8-160x^4+1) \text{ ogf}]$   
A042369 8.07662  $[-(x^2-x-1)*(x^4+3x^2+1)/(x^8-160x^4+1) \text{ ogf}]$   
A042371 5.44675  $[-(x^{10}-x^9+3x^8-19x^7+41x^6-60x^5-41x^4-19x^3-3x^2-x-1)/(x^{12}-3202x^6+1) \text{ ogf}]$   
A042386 5.13938  $[-(x^7-26x^6+27x^5-134x^4-161x^3-134x^2-27x-26)/(x^2+4x-1)/(x^2-4x-1)/(x^4+18x^2+1) \text{ ogf}]$   
A042387 6.40880  $[-(x^2-x-1)*(x^4+6x^2+1)/(x^2+4x-1)/(x^2-4x-1)/(x^4+18x^2+1) \text{ ogf}]$   
A042392 4.97456  $[-(x^7-26x^6+27x^5-215x^4-242x^3-215x^2-27x-26)/(x^8-484x^4+1) \text{ ogf}]$   
A042393 8.13563  $[-(x^2-x-1)*(x^4+9x^2+1)/(x^8-484x^4+1) \text{ ogf}]$   
A042398 4.78134  $[-(x^7-26x^6+27x^5-458x^4-485x^3-458x^2-27x-26)/(x^8-970x^4+1) \text{ ogf}]$   
A042399 7.87751  $[-(x^2-x-1)*(x^4+18x^2+1)/(x^8-970x^4+1) \text{ ogf}]$   
A042400 4.97878  $[-(x^7-26x^6+27x^5-701x^4-728x^3-701x^2-27x-26)/(x^8-1456x^4+1) \text{ ogf}]$   
A042401 7.52518  $[-(x^2-x-1)*(x^4+27x^2+1)/(x^8-1456x^4+1) \text{ ogf}]$   
A042402 7.58199  $[-(x^3-26x^2-27x-26)/(x^4-54x^2+1) \text{ ogf}]$   
A042403 11.4884  $-(1+106x+54x^2-4x^3-3x^4+2x^5)/(x^2-x-1)/(x^4-54x^2+1) \text{ lgdogf}$   
A042403 12.0977  $[-(x^2-x-1)/(x^4-54x^2+1) \text{ ogf}]$   
A042404 12.6940  $1/2/(x+1)*(-27-54x+(729+2920x+2920x^2)^{(1/2)}) \text{ revogf}$   
A042404 13.1945  $[-(x+27)/(x^2+54x-1) \text{ ogf}]$   
A042404 16.9253  $-(1459+54x+x^2)/(x+27)/(x^2+54x-1) \text{ lgdogf}$   
A042404 7.12808  $[{a(n+2)-54*a(n+1)-a(n), a(0) = 27, a(1) = 1459}, \text{ ogf}]$   
A042404 8.49511  $[-(x^2+54x+1459)/(x^3+81x^2+1457x-27) \text{ lgdogf}]$

A042405 13.0312  $[-(-2*x-54)/(-x^2-54*x+1)] \lgdogf]$   
A042405 16.0117  $1/2/x*(-1-54*x+(1+108*x+2920*x^2)^(1/2)) \text{ revogf}$   
A042405 19.1635  $[ -1/(x^2+54*x-1) \text{ ogf}]$   
A042405 29.1122  $-2*(x+27)/(x^2-1+54*x) \lgdogf$   
A042405 7.75665  $[{-a(n+2)+54*a(n+1)+a(n), a(0) = 1, a(1) = 54}, \text{ ogf}]$   
A042406 7.97371  $[ -(x^3-27*x^2-730*x-27)/(x^4-1460*x^2+1) \text{ ogf}]$   
A042407 8.27872  $-(27+2918*x+39420*x^2-4*x^3-81*x^4+2*x^5)/(x^2-27*x-1)/$   
 $(x^4-1460*x^2+1) \lgdogf$   
A042407 9.81769  $[ -(x^2-27*x-1)/(x^4-1460*x^2+1) \text{ ogf}]$   
A042408 7.70459  $[ -(x^3-27*x^2-487*x-27)/(x^4-974*x^2+1) \text{ ogf}]$   
A042409 8.27639  $-2*(9+973*x+x^5-27*x^4-2*x^3+8766*x^2)/(x^2-18*x-1)/$   
 $(x^4-974*x^2+1) \lgdogf$   
A042409 9.42680  $[ -(x^2-18*x-1)/(x^4-974*x^2+1) \text{ ogf}]$   
A042411 5.97252  $[ -(x^8-13*x^7+14*x^6-27*x^5+365*x^4+27*x^3+14*x^2+13*x+1)/$   
 $(x^{10}+19764*x^5-1) \text{ ogf}]$   
A042414 7.09432  $[ -(x^3-27*x^2-244*x-27)/(x^4-488*x^2+1) \text{ ogf}]$   
A042415 10.0363  $[ -(x^2-9*x-1)/(x^4-488*x^2+1) \text{ ogf}]$   
A042415 8.80012  $-(9+974*x+2*x^5-4*x^3-27*x^4+4392*x^2)/(x^2-9*x-1)/$   
 $(x^4-488*x^2+1) \lgdogf$   
A042420 6.67477  $[ -(x^3-27*x^2-163*x-27)/(x^2-18*x-1)/(x^2+18*x-1) \text{ ogf}]$   
A042421 10.7287  $[ -(x^2-6*x-1)/(x^2-18*x-1)/(x^2+18*x-1) \text{ ogf}]$   
A042421 8.39770  $-2*(3+325*x+x^5-9*x^4-2*x^3+978*x^2)/(x^2+18*x-1)/(x^2-6*x-1)/$   
 $(x^2-18*x-1) \lgdogf$   
A042438 5.64304  $-(82+8910*x+x^6-54*x^5-82*x^4-108*x^3+13445*x^2)/$   
 $(x^3-27*x^2-82*x-27)/(x^4-164*x^2+1) \lgdogf$   
A042438 7.01069  $[ -(x^3-27*x^2-82*x-27)/(x^4-164*x^2+1) \text{ ogf}]$   
A042439 10.9063  $-(3+326*x+492*x^2-4*x^3-9*x^4+2*x^5)/(x^2-3*x-1)/(x^4-164*x^2+1)$   
 $\lgdogf$   
A042439 12.0337  $[ -(x^2-3*x-1)/(x^4-164*x^2+1) \text{ ogf}]$   
A042454 4.60896  $[ -(x+1)*(x^6-28*x^5+83*x^4-660*x^3-549*x^2-28*x-27)/$   
 $(x^8-2418*x^4+1) \text{ ogf}]$   
A042455 7.25581  $[ -(x^2-2*x-1)*(x^4+22*x^2+1)/(x^8-2418*x^4+1) \text{ ogf}]$   
A042456 6.11018  $-(55+5994*x-108*x^3+6047*x^2-55*x^4-54*x^5+x^6)/(x+1)/$   
 $(x^2-28*x-27)/(x^4-110*x^2+1) \lgdogf$   
A042456 7.40681  $[ -(x+1)*(x^2-28*x-27)/(x^4-110*x^2+1) \text{ ogf}]$   
A042457 10.5817  $-2*(1+x)*(x^4-4*x^3+2*x^2+108*x+1)/(x^2-2*x-1)/(x^4-110*x^2+1)$   
 $\lgdogf$   
A042457 11.3228  $[ -(x^2-2*x-1)/(x^4-110*x^2+1) \text{ ogf}]$   
A042463 5.83781  $[ -(x^4-x^3+2*x^2+x+1)*(x^6-10*x^3-1)/(x^{12}-1102*x^6+1) \text{ ogf}]$   
A042467 5.20452  $[ -(x^{12}-$   
 $x^{11}+2*x^{10}-5*x^9+12*x^8-17*x^7+29*x^6+17*x^5+12*x^4+5*x^3+2*x^2+x+1)/$   
 $(x^{14}+1600*x^7-1) \text{ ogf}]$   
A042484 5.51765  $[ -(x^7-27*x^6+28*x^5-83*x^4-111*x^3-83*x^2-28*x-27)/$   
 $(x^8-222*x^4+1) \text{ ogf}]$   
A042485 8.51123  $[ -(x^2-x-1)*(x^4+4*x^2+1)/(x^8-222*x^4+1) \text{ ogf}]$   
A042496 6.41481  $[ -(x^7-27*x^6+28*x^5-167*x^4-195*x^3-167*x^2-28*x-27)/$   
 $(x^8-390*x^4+1) \text{ ogf}]$   
A042497 7.81727  $[ -(x^2-x-1)*(x^4+7*x^2+1)/(x^8-390*x^4+1) \text{ ogf}]$   
A042498 4.86462  $[ -(x^7-27*x^6+28*x^5-195*x^4-223*x^3-195*x^2-28*x-27)/$   
 $(x^8-446*x^4+1) \text{ ogf}]$   
A042499 6.01224  $[ -(x^2-x-1)*(x^4+8*x^2+1)/(x^8-446*x^4+1) \text{ ogf}]$   
A042504 4.78134  $[ -(x^7-27*x^6+28*x^5-363*x^4-391*x^3-363*x^2-28*x-27)/$   
 $(x^4+28*x^2+1)/(x^4-28*x^2+1) \text{ ogf}]$   
A042505 7.60703  $[ -(x^2-x-1)*(x^4+14*x^2+1)/(x^4+28*x^2+1)/(x^4-28*x^2+1) \text{ ogf}]$   
A042508 5.03232  $[ -(x^7-27*x^6+28*x^5-755*x^4-783*x^3-755*x^2-28*x-27)/$   
 $(x^8-1566*x^4+1) \text{ ogf}]$   
A042509 7.59119  $[ -(x^2-x-1)*(x^4+28*x^2+1)/(x^8-1566*x^4+1) \text{ ogf}]$   
A042510 7.58199  $[ -(x^3-27*x^2-28*x-27)/(x^4-56*x^2+1) \text{ ogf}]$   
A042511 11.4884  $-(1+110*x+56*x^2-4*x^3-3*x^4+2*x^5)/(x^2-x-1)/(x^4-56*x^2+1)$   
 $\lgdogf$   
A042511 12.0977  $[ -(x^2-x-1)/(x^4-56*x^2+1) \text{ ogf}]$

A042512 13.2522 [  $-(x+28)/(x^2+56x-1)$  ogf]  
A042512 14.5719  $(-14-28x+(196+785x+785x^2)^{1/2})/(x+1)$  revogf  
A042512 17.0005  $-(1569+56x+x^2)/(x+28)/(x^2+56x-1)$  lgdogf  
A042512 7.15922 [  $\{a(n+2)-56a(n+1)-a(n), a(0) = 28, a(1) = 1569\}$ , ogf]  
A042512 8.53222 [  $-(x^2+56x+1569)/(x^3+84x^2+1567x-28)$  lgdogf]  
A042513 13.0866 [  $-(-2x-56)/(-x^2-56x+1)$  lgdogf]  
A042513 16.0810  $1/2/x*(-1-56x+(1+112x+3140x^2)^{1/2})$  revogf  
A042513 19.2450 [  $-1/(x^2+56x-1)$  ogf]  
A042513 29.2382  $-2*(28+x)/(x^2-1+56x)$  lgdogf  
A042513 7.78965 [  $\{-a(n+2)+56a(n+1)+a(n), a(0) = 1, a(1) = 56\}$ , ogf]  
A042514 6.92753 [  $-(x^3-28x^2-785x-28)/(x^4-1570x^2+1)$  ogf]  
A042515 11.3793 [  $-(x^2-28x-1)/(x^4-1570x^2+1)$  ogf]  
A042515 9.61695  $-2*(14+1569x+21980x^2-2x^3-42x^4+x^5)/(x^2-28x-1)/(x^4-1570x^2+1)$  lgdogf  
A042518 7.55203 [  $-(x^3-28x^2-393x-28)/(x^2+28x-1)/(x^2-28x-1)$  ogf]  
A042519 10.5301 [  $-(x^2-14x-1)/(x^2+28x-1)/(x^2-28x-1)$  ogf]  
A042519 8.05809  $-2*(7+785x+5502x^2-2x^3-21x^4+x^5)/(x^2+28x-1)/(x^2-28x-1)/(x^2-14x-1)$  lgdogf  
A042524 7.05618 [  $-(x^3-28x^2-225x-28)/(x^4-450x^2+1)$  ogf]  
A042525 11.2186 [  $-(x^2-8x-1)/(x^4-450x^2+1)$  ogf]  
A042525 9.85353  $-2*(4+449x-2x^3+1800x^2-12x^4+x^5)/(x^2-8x-1)/(x^4-450x^2+1)$  lgdogf  
A042526 6.90362 [  $-(x^3-28x^2-197x-28)/(x^4-394x^2+1)$  ogf]  
A042527 11.0226 [  $-(x^2-7x-1)/(x^4-394x^2+1)$  ogf]  
A042527 9.67836  $-(7+786x+2x^5-21x^4-4x^3+2758x^2)/(x^2-7x-1)/(x^4-394x^2+1)$  lgdogf  
A042528 5.16686 [  $-(x^7-28x^6+169x^5-704x^4-4393x^3-704x^2-169x-28)/(x^8-8786x^4+1)$  ogf]  
A042529 7.42102 [  $-(x^2-6x-1)*(x^4+26x^2+1)/(x^8-8786x^4+1)$  ogf]  
A042532 4.59175 [  $-(x^7-28x^6+141x^5-1297x^4-6626x^3-1297x^2-141x-28)/(x^8-13252x^4+1)$  ogf]  
A042533 6.85621 [  $-(x^2-5x-1)*(x^4+47x^2+1)/(x^8-13252x^4+1)$  ogf]  
A042538 6.36963 [  $-(x^3-28x^2-113x-28)/(x^4-226x^2+1)$  ogf]  
A042539 10.3515  $-2*(2+225x+x^5-2x^3-6x^4+452x^2)/(x^2-4x-1)/(x^4-226x^2+1)$  lgdogf  
A042539 11.4284 [  $-(x^2-4x-1)/(x^4-226x^2+1)$  ogf]  
A042540 4.67328 [  $-(x^7-28x^6+85x^5-113x^4-424x^3-113x^2-85x-28)/(x^8-848x^4+1)$  ogf]  
A042541 7.91058 [  $-(x^2-3x-1)*(x^4+5x^2+1)/(x^8-848x^4+1)$  ogf]  
A042566 6.17845  $-(57+6440x+x^6-56x^5-112x^3-57x^4+6495x^2)/(1+x)/(x^2-29x-28)/(x^4-114x^2+1)$  lgdogf  
A042566 7.48777 [  $-(x+1)*(x^2-29x-28)/(x^4-114x^2+1)$  ogf]  
A042567 10.5817  $-2*(1+x)*(x^4-4x^3+2x^2+112x+1)/(x^2-2x-1)/(x^4-114x^2+1)$  lgdogf  
A042567 11.3228 [  $-(x^2-2x-1)/(x^4-114x^2+1)$  ogf]  
A042569 5.54623 [  $-(x^6-38x^3-1)*(x^4-x^3+2x^2+x+1)/(x^{12}-4334x^6+1)$  ogf]  
A042577 6.28952 [  $-(x^6-6x^3-1)*(x^4-x^3+2x^2+x+1)/(x^{12}-686x^6+1)$  ogf]  
A042578 5.71460 [  $-(x^9-28x^8+29x^7-57x^6+86x^5+143x^4+86x^3+57x^2+29x+28)/(x^{10}+286x^5-1)$  ogf]  
A042579 7.07756 [  $-(x^4+2x^3+4x^2+3x+1)*(x^4-3x^3+4x^2-2x+1)/(x^{10}+286x^5-1)$  ogf]  
A042581 11.9896  $-(-1-2x+36792x^{11}-30250x^9+33521x^{10})/(x^2+x-1)/(3271x^{10}-1)$  lgdogf  
A042599 5.74856 [  $-(x^{10}-x^9+4x^8-9x^7+31x^6-40x^5-31x^4-9x^3-4x^2-x-1)/(x^6-48x^3+1)/(x^6+48x^3+1)$  ogf]  
A042620 5.03232 [  $-(x^7-28x^6+29x^5-811x^4-840x^3-811x^2-29x-28)/(x^8-1680x^4+1)$  ogf]  
A042621 7.65720 [  $-(x^2-x-1)*(x^4+29x^2+1)/(x^8-1680x^4+1)$  ogf]  
A042622 6.23345  $-(29+3304x-112x^3+1679x^2-29x^4-56x^5+x^6)/(x^3-28x^2-29x-28)/(x^4-58x^2+1)$  lgdogf  
A042622 7.66577 [  $-(x^3-28x^2-29x-28)/(x^4-58x^2+1)$  ogf]

A042623 10.5543  $-(1+114*x+58*x^2-4*x^3-3*x^4+2*x^5)/(x^2-x-1)/(x^4-58*x^2+1)$  lgdogf  
A042623 11.1282  $[-(x^2-x-1)/(x^4-58*x^2+1)$  ogf]  
A042624 11.0511  $1/2/(x+1)*(-29-58*x+(841+3368*x+3368*x^2)^(1/2))$  revogf  
A042624 11.5108  $[-(x+29)/(x^2+58*x-1)$  ogf]  
A042624 14.7348  $-(1683+58*x+x^2)/(x+29)/(x^2+58*x-1)$  lgdogf  
A042624 6.21847  $[{a(n+2)-58*a(n+1)-a(n), a(0) = 29, a(1) = 1683},$  ogf]  
A042624 7.41105  $[-(x^2+58*x+1683)/(x^3+87*x^2+1681*x-29)$  lgdogf]  
A042625 13.2530  $[-(2*x-58)/(-x^2-58*x+1)$  lgdogf]  
A042625 16.2890  $1/2/x*(-1-58*x+(1+116*x+3368*x^2)^(1/2))$  revogf  
A042625 19.4897  $[-1/(x^2+58*x-1)$  ogf]  
A042625 29.6163  $-2*(29+x)/(x^2-1+58*x)$  lgdogf  
A042625 7.88868  $[{-a(n+2)+58*a(n+1)+a(n), a(0) = 1, a(1) = 58},$  ogf]  
A042626 6.96418  $[-(x^3-29*x^2-842*x-29)/(x^4-1684*x^2+1)$  ogf]  
A042627 8.43492  $-(29+3366*x+48836*x^2-4*x^3-87*x^4+2*x^5)/(x^2-29*x-1)/$   
 $(x^4-1684*x^2+1)$  lgdogf  
A042627 9.99951  $[-(x^2-29*x-1)/(x^4-1684*x^2+1)$  ogf]  
A042631 6.02491  $[-(x^8-14*x^7+15*x^6-29*x^5+421*x^4+29*x^3+15*x^2+14*x+1)/$   
 $(x^{10}+24476*x^5-1)$  ogf]  
A042640 4.88550  $[-(x^7-29*x^6+175*x^5-379*x^4-2449*x^3-379*x^2-175*x-29)/$   
 $(x^4+70*x^2+1)/(x^4-70*x^2+1)$  ogf]  
A042641 7.01842  $[-(x^2-6*x-1)*(x^4+14*x^2+1)/(x^4+70*x^2+1)/(x^4-70*x^2+1)$  ogf]  
A042650 4.98781  $[-(x^7-29*x^6+117*x^5-731*x^4-3041*x^3-731*x^2-117*x-29)/$   
 $(x^4+78*x^2+1)/(x^4-78*x^2+1)$  ogf]  
A042651 7.13559  $[-(x^2-4*x-1)*(x^4+26*x^2+1)/(x^4+78*x^2+1)/(x^4-78*x^2+1)$  ogf]  
A042656 4.92525  $[-(x^7-29*x^6+88*x^5-205*x^4-703*x^3-205*x^2-88*x-29)/$   
 $(x^8-1406*x^4+1)$  ogf]  
A042657 7.58586  $[-(x^2-3*x-1)*(x^4+8*x^2+1)/(x^8-1406*x^4+1)$  ogf]  
A042660 5.06454  $[-(x^7-29*x^6+88*x^5-1261*x^4-3871*x^3-1261*x^2-88*x-29)/$   
 $(x^4+88*x^2+1)/(x^4-88*x^2+1)$  ogf]  
A042661 6.58436  $[-(x^2-3*x-1)*(x^4+44*x^2+1)/(x^4+88*x^2+1)/(x^4-88*x^2+1)$  ogf]  
A042680 6.24672  $-(59+6902*x+x^6-58*x^5-116*x^3-59*x^4+6959*x^2)/(1+x)/$   
 $(x^2-30*x-29)/(x^4-118*x^2+1)$  lgdogf  
A042680 7.56871  $[-(x+1)*(x^2-30*x-29)/(x^4-118*x^2+1)$  ogf]  
A042681 10.5817  $-2*(1+x)*(x^4-4*x^3+2*x^2+116*x+1)/(x^2-2*x-1)/(x^4-118*x^2+1)$   
lgdogf  
A042681 11.3228  $[-(x^2-2*x-1)/(x^4-118*x^2+1)$  ogf]  
A042700 5.33642  $[-(x^7-29*x^6+30*x^5-59*x^4-89*x^3-59*x^2-30*x-29)/$   
 $(x^8-178*x^4+1)$  ogf]  
A042701 8.14905  $[-(x^2-x-1)*(x^4+3*x^2+1)/(x^8-178*x^4+1)$  ogf]  
A042710 5.54654  $[-(x^7-29*x^6+30*x^5-89*x^4-119*x^3-89*x^2-30*x-29)/$   
 $(x^8-238*x^4+1)$  ogf]  
A042711 7.87673  $[-(x^2-x-1)*(x^4+4*x^2+1)/(x^8-238*x^4+1)$  ogf]  
A042716 5.11144  $[-(x^7-29*x^6+30*x^5-119*x^4-149*x^3-119*x^2-30*x-29)/$   
 $(x^8-298*x^4+1)$  ogf]  
A042717 8.16315  $[-(x^2-x-1)*(x^4+5*x^2+1)/(x^8-298*x^4+1)$  ogf]  
A042720 4.75469  $[-(x^7-29*x^6+30*x^5-149*x^4-179*x^3-149*x^2-30*x-29)/$   
 $(x^8-358*x^4+1)$  ogf]  
A042721 8.41378  $[-(x^2-x-1)*(x^4+6*x^2+1)/(x^8-358*x^4+1)$  ogf]  
A042728 5.05701  $[-(x^7-29*x^6+30*x^5-269*x^4-299*x^3-269*x^2-30*x-29)/$   
 $(x^8-598*x^4+1)$  ogf]  
A042729 7.53060  $[-(x^2-x-1)*(x^4+10*x^2+1)/(x^8-598*x^4+1)$  ogf]  
A042730 6.93260  $[-(x^7-29*x^6+30*x^5-329*x^4-359*x^3-329*x^2-30*x-29)/$   
 $(x^8-718*x^4+1)$  ogf]  
A042731 7.53941  $[-(x^2-x-1)*(x^4+12*x^2+1)/(x^8-718*x^4+1)$  ogf]  
A042732 7.13396  $[-(x^7-29*x^6+30*x^5-419*x^4-449*x^3-419*x^2-30*x-29)/$   
 $(x^4-30*x^2+1)/(x^4+30*x^2+1)$  ogf]  
A042733 7.74227  $[-(x^2-x-1)*(x^4+15*x^2+1)/(x^4-30*x^2+1)/(x^4+30*x^2+1)$  ogf]  
A042734 6.51928  $[-(x^7-29*x^6+30*x^5-569*x^4-599*x^3-569*x^2-30*x-29)/$   
 $(x^8-1198*x^4+1)$  ogf]  
A042735 7.42616  $[-(x^2-x-1)*(x^4+20*x^2+1)/(x^8-1198*x^4+1)$  ogf]

A042736 6.19975 [  $-(x^7-29x^6+30x^5-869x^4-899x^3-869x^2-30x-29)/(x^8-1798x^4+1)$  ogf]  
A042737 6.99552 [  $-(x^2-x-1)*(x^4+30x^2+1)/(x^8-1798x^4+1)$  ogf]  
A042738 10.7661 [  $-(x^3-29x^2-30x-29)/(x^4-60x^2+1)$  ogf]  
A042738 8.80343  $-(30+3538x+x^6-58x^5-116x^3-30x^4+1797x^2)/(x^3-29x^2-30x-29)/(x^4-60x^2+1)$  lgdogf  
A042739 10.6051  $-(1+118x+60x^2-4x^3-3x^4+2x^5)/(x^2-x-1)/(x^4-60x^2+1)$  lgdogf  
A042739 11.1807 [  $-(x^2-x-1)/(x^4-60x^2+1)$  ogf]  
A042740 11.6231 [  $-(x+30)/(x^2+60x-1)$  ogf]  
A042740 12.7555  $(-15-30x+(225+901x+901x^2)^{1/2})/(x+1)$  revogf  
A042740 14.8814  $-(1801+60x+x^2)/(x+30)/(x^2+60x-1)$  lgdogf  
A042740 6.27914 [  $\{a(n+2)-60a(n+1)-a(n), a(0) = 30, a(1) = 1801\}$ , ogf]  
A042740 7.48336 [  $-(x^2+60x+1801)/(x^3+90x^2+1799x-30)$  lgdogf]  
A042741 13.3639 [  $-(-2x-60)/(-x^2-60x+1)$  lgdogf]  
A042741 16.4276  $1/2/x*(-1-60x+(1+120x+3604x^2)^{1/2})$  revogf  
A042741 19.6528 [  $-1/(x^2+60x-1)$  ogf]  
A042741 29.8684  $-2*(30+x)/(x^2-1+60x)$  lgdogf  
A042741 7.95469 [  $\{-a(n+2)+60a(n+1)+a(n), a(0) = 1, a(1) = 60\}$ , ogf]  
A042742 9.39600 [  $-(x^3-30x^2-901x-30)/(x^4-1802x^2+1)$  ogf]  
A042743 10.0904 [  $-(x^2-30x-1)/(x^4-1802x^2+1)$  ogf]  
A042743 8.51302  $-2*(15+1801x+27030x^2-2x^3-45x^4+x^5)/(x^2-30x-1)/(x^4-1802x^2+1)$  lgdogf  
A042744 7.78564 [  $-(x^3-30x^2-601x-30)/(x^4-1202x^2+1)$  ogf]  
A042745 8.08347  $-2*(10+1201x+x^5-2x^3-30x^4+12020x^2)/(x^2-20x-1)/(x^4-1202x^2+1)$  lgdogf  
A042745 9.59043 [  $-(x^2-20x-1)/(x^4-1202x^2+1)$  ogf]  
A042746 8.86448 [  $-(x^3-30x^2-451x-30)/(x^2-30x-1)/(x^2+30x-1)$  ogf]  
A042747 10.6245 [  $-(x^2-15x-1)/(x^2-30x-1)/(x^2+30x-1)$  ogf]  
A042747 7.82674  $-(15+1802x-45x^4-4x^3+2x^5+13530x^2)/(x^2+30x-1)/(x^2-30x-1)/(x^2-15x-1)$  lgdogf  
A042748 7.43761 [  $-(x^3-30x^2-361x-30)/(x^4-722x^2+1)$  ogf]  
A042749 10.4356 [  $-(x^2-12x-1)/(x^4-722x^2+1)$  ogf]  
A042749 9.17622  $-2*(6+721x+4332x^2-2x^3-18x^4+x^5)/(x^2-12x-1)/(x^4-722x^2+1)$  lgdogf  
A042750 7.32318 [  $-(x^3-30x^2-301x-30)/(x^4-602x^2+1)$  ogf]  
A042751 10.1523 [  $-(x^2-10x-1)/(x^4-602x^2+1)$  ogf]  
A042751 8.92250  $-2*(5+601x+3010x^2-2x^3-15x^4+x^5)/(x^2-10x-1)/(x^4-602x^2+1)$  lgdogf  
A042758 8.93858 [  $-(x+5)*(x^2-35x-6)/(x^4-362x^2+1)$  ogf]  
A042759 10.8756 [  $-(x^2-6x-1)/(x^4-362x^2+1)$  ogf]  
A042759 9.69386  $-2*(3+361x+x^5-9x^4-2x^3+1086x^2)/(x^2-6x-1)/(x^4-362x^2+1)$  lgdogf  
A042762 9.85169 [  $-(x^3-30x^2-151x-30)/(x^4-302x^2+1)$  ogf]  
A042763 10.5327 [  $-(x^2-5x-1)/(x^4-302x^2+1)$  ogf]  
A042763 9.24043  $-(5+602x+2x^5-15x^4-4x^3+1510x^2)/(x^2-5x-1)/(x^4-302x^2+1)$  lgdogf  
A042766 5.02235 [  $-(x^9-30x^8+121x^7-393x^6+1300x^5+5593x^4+1300x^3+393x^2+121x+30)/(x^{10}+11186x^5-1)$  ogf]  
A042767 5.72909 [  $-(x^8-4x^7+13x^6-43x^5+185x^4+43x^3+13x^2+4x+1)/(x^{10}+11186x^5-1)$  ogf]  
A042768 9.56672 [  $-(x^3-30x^2-121x-30)/(x^4-242x^2+1)$  ogf]  
A042769 10.3976  $-2*(2+241x+x^5-2x^3-6x^4+484x^2)/(x^2-4x-1)/(x^4-242x^2+1)$  lgdogf  
A042769 11.4783 [  $-(x^2-4x-1)/(x^4-242x^2+1)$  ogf]  
A042778 10.3476 [  $-(x^3-30x^2-91x-30)/(x^4-182x^2+1)$  ogf]  
A042778 8.28552  $-(91+10980x+x^6-60x^5-91x^4-120x^3+16559x^2)/(x^3-30x^2-91x-30)/(x^4-182x^2+1)$  lgdogf  
A042779 11.1404  $-(3+362x+2x^5-9x^4-4x^3+546x^2)/(x^2-3x-1)/(x^4-182x^2+1)$  lgdogf

A042779 12.2876 [  $-(x^2-3x-1)/(x^4-182x^2+1)$  ogf]  
A042784 4.60449 [  $-(x^{11}-30x^{10}+61x^9-91x^8+152x^7-243x^6-638x^5-243x^4-152x^3-91x^2-61x-30)/(x^{12}-1276x^6+1)$  ogf]  
A042785 5.87727 [  $-(x^{10}-2x^9+3x^8-5x^7+8x^6-21x^5-8x^4-5x^3-3x^2-2x-1)/(x^{12}-1276x^6+1)$  ogf]  
A042788 5.33751 [  $-(x^9-30x^8+61x^7-152x^6+365x^5+882x^4+365x^3+152x^2+61x+30)/(x^{10}+1764x^5-1)$  ogf]  
A042789 6.35154 [  $-(x^8-2x^7+5x^6-12x^5+29x^4+12x^3+5x^2+2x+1)/(x^{10}+1764x^5-1)$  ogf]  
A042798 8.05287  $-(61+7380x+7439x^2-120x^3-61x^4-60x^5+x^6)/(x+1)/(x^2-31x-30)/(x^4-122x^2+1)$  lgdogf  
A042798 9.71666 [  $-(x+1)*(x^2-31x-30)/(x^4-122x^2+1)$  ogf]  
A042799 10.6300  $-2*(1+x)*(x^4-4x^3+2x^2+120x+1)/(x^2-2x-1)/(x^4-122x^2+1)$  lgdogf  
A042799 11.3736 [  $-(x^2-2x-1)/(x^4-122x^2+1)$  ogf]  
A042824 5.07056 [  $-(x^{11}-30x^{10}+31x^9-92x^8+215x^7-522x^6-737x^5-522x^4-215x^3-92x^2-31x-30)/(x^{12}-1474x^6+1)$  ogf]  
A042825 5.88947 [  $-(x^{10}-x^9+3x^8-7x^7+17x^6-24x^5-17x^4-7x^3-3x^2-x-1)/(x^{12}-1474x^6+1)$  ogf]  
A042856 6.94079 [  $-(x^7-30x^6+31x^5-929x^4-960x^3-929x^2-31x-30)/(x^8-1920x^4+1)$  ogf]  
A042857 7.78922 [  $-(x^2-x-1)*(x^4+31x^2+1)/(x^8-1920x^4+1)$  ogf]  
A042858 10.8544 [  $-(x^3-30x^2-31x-30)/(x^2-8x+1)/(x^2+8x+1)$  ogf]  
A042858 8.00841  $-(31+3780x+x^6-60x^5-120x^3-31x^4+1919x^2)/(x^2-8x+1)/(x^2+8x+1)/(x^3-30x^2-31x-30)$  lgdogf  
A042859 10.2587  $-(1+122x+62x^2-4x^3-3x^4+2x^5)/(x^2-8x+1)/(x^2+8x+1)/(x^2-x-1)$  lgdogf  
A042859 12.4174 [  $-(x^2-x-1)/(x^2-8x+1)/(x^2+8x+1)$  ogf]  
A042860 13.1453  $1/2/(x+1)*(-31-62x+(961+3848x+3848x^2)^{1/2})$  revogf  
A042860 13.6555 [  $-(x+31)/(x^2+62x-1)$  ogf]  
A042860 17.5271  $-(1923+62x+x^2)/(x+31)/(x^2+62x-1)$  lgdogf  
A042860 7.37710 [  $\{a(n+2)-62a(n+1)-a(n), a(0) = 31, a(1) = 1923\}$ , ogf]  
A042860 8.79189 [  $-(x^2+62x+1923)/(x^3+93x^2+1921x-31)$  lgdogf]  
A042861 13.4193 [  $-(-2x-62)/(-x^2-62x+1)$  lgdogf]  
A042861 16.4969  $1/2/x*(-1-62x+(1+124x+3848x^2)^{1/2})$  revogf  
A042861 19.7343 [  $-1/(x^2+62x-1)$  ogf]  
A042861 29.9944  $-2*(x+31)/(x^2+62x-1)$  lgdogf  
A042861 7.98770 [  $\{-a(n+2)+62a(n+1)+a(n), a(0) = 1, a(1) = 62\}$ , ogf]  
A042862 9.47301 [  $-(x^3-31x^2-962x-31)/(x^4-1924x^2+1)$  ogf]  
A042863 10.1359 [  $-(x^2-31x-1)/(x^4-1924x^2+1)$  ogf]  
A042863 8.55207  $-(31+3846x+59644x^2-4x^3-93x^4+2x^5)/(x^2-31x-1)/(x^4-1924x^2+1)$  lgdogf  
A042867 6.12969 [  $-(x^8-15x^7+16x^6-31x^5+481x^4+31x^3+16x^2+15x+1)/(x^{10}+29884x^5-1)$  ogf]  
A042886 5.69984 [  $-(x^7-31x^6+125x^5-281x^4-1249x^3-281x^2-125x-31)/(x^4-50x^2+1)/(x^4+50x^2+1)$  ogf]  
A042887 8.09159 [  $-(x^2-4x-1)*(x^4+10x^2+1)/(x^4-50x^2+1)/(x^4+50x^2+1)$  ogf]  
A042901 5.76010 [  $-(x^{10}-2x^9+3x^8-92x^7+95x^6-282x^5-95x^4-92x^3-3x^2-2x-1)/(x^{12}-17674x^6+1)$  ogf]  
A042906 5.93481 [  $-(x^9-31x^8+63x^7-94x^6+157x^5+408x^4+157x^3+94x^2+63x+31)/(x^{10}+816x^5-1)$  ogf]  
A042907 7.01500 [  $-(x^8-2x^7+3x^6-5x^5+13x^4+5x^3+3x^2+2x+1)/(x^{10}+816x^5-1)$  ogf]  
A042908 7.83365 [  $-(x^5-31x^4+63x^3+157x^2+63x+31)/(x^6+314x^3-1)$  ogf]  
A042909 9.86635 [  $-(x^4-2x^3+5x^2+2x+1)/(x^6+314x^3-1)$  ogf]  
A042910 6.99013 [  $-(x+1)*(x^6-32x^5+95x^4-252x^3-125x^2-32x-31)/(x^6+314x^3-1)$  ogf]

$(x^8-754x^4+1)$  ogf]  
A042911 7.73786 [  $-(x^2-2x-1)*(x^4+6x^2+1)/(x^8-754x^4+1)$  ogf]  
A042916 6.22743 [  $-(x+1)*(x^6-32x^5+95x^4-504x^3-377x^2-32x-31)/(x^4-42x^2+1)/(x^4+42x^2+1)$  ogf]  
A042917 7.69020 [  $-(x^2-2x-1)*(x^4+14x^2+1)/(x^4-42x^2+1)/(x^4+42x^2+1)$  ogf]  
A042920 8.08834  $-(63+7874x+x^6-62x^5+7935x^2-124x^3-63x^4)/(x+1)/(x^2-32x-31)/(x^4-126x^2+1)$  lgdogf  
A042920 9.75871 [  $-(x+1)*(x^2-32x-31)/(x^4-126x^2+1)$  ogf]  
A042921 10.7266  $-2*(1+x)*(x^4-4x^3+2x^2+124x+1)/(x^2-2x-1)/(x^4-126x^2+1)$  lgdogf  
A042921 11.4752 [  $-(x^2-2x-1)/(x^4-126x^2+1)$  ogf]  
A042923 5.69546 [  $-(x^6-42x^3-1)*(x^4-x^3+2x^2+x+1)/(x^{12}-5294x^6+1)$  ogf]  
A042924 4.84950 [  $-(x^{11}-31x^{10}+32x^9-63x^8+536x^7-599x^6-1135x^5-599x^4-536x^3-63x^2-32x-31)/(x^{12}-2270x^6+1)$  ogf]  
A042925 5.63563 [  $-(x^6-18x^3-1)*(x^4-x^3+2x^2+x+1)/(x^{12}-2270x^6+1)$  ogf]  
A042940 10.2176  $-36+400x+(2-48x+160x^2)*f(x)+(-8x^2+16x^3+x)*f(x)^2$  lgdogf  
A042940 3.14068 [  $\{(-16n^2-200n-624)*a(n+1)+(8n^2+82n+186)*a(n+2)+(-n^2-8n-15)*a(n+3), a(0) = 1, a(1) = 18, a(2) = 197\}$ , ogf]  
A042940 7.78889 [  $(-20x-1)/(-1+4x)^{(1/2)}+I)/x/(-1+4x)^{(1/2)}$  lgdogf]  
A042941 6.56895 [  $(-1/2*(28x-1)/(-1+4x)^{(1/2)}+1/2*I)/x/(-1+4x)^{(1/2)}$  lgdogf]  
A042941 9.52214  $-13+196x+(1-32x+112x^2)*f(x)+(-8x^2+16x^3+x)*f(x)^2$  lgdogf  
A042948 10.3940 [  $(-6x^2-6x-4)/(-3x^3-x^2+3x+1)$  lgdogf]  
A042948 11.6705 [  $x*(3x+1)/(x+1)/(x-1)^2$  ogf]  
A042948 18.1443  $-2*(2+3x+3x^2)/(x-1)/(3x+1)/(x+1)$  lgdogf  
A042948 5.99295 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A042950 10.5381 [  $\{a(n+2)-2a(n+1), a(0) = 2, a(1) = 3\}$ , ogf]  
A042950 20.5066 [  $(x-2)/(2x-1)$  ogf]  
A042950 21.0762 [  $-3/(-2x^2+5x-2)$  lgdogf]  
A042950 36.8463  $1+x-(1+x+x^2)^{(1/2)}$  revogf  
A042950 46.6720  $3/(2x-1)/(x-2)$  lgdogf  
A042962 12.8338 [  $x^{23}+x^{11}+x^5+x^2+x+1$  ogf\_with\_Euler\_transform]  
A042963 11.0366 [  $(2x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A042963 14.9364  $-2*(1+4x+x^3+2x^2)/(x-1)/(x+1)/(2x^2+x+1)$  lgdogf  
A042963 6.01099 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A042963 8.41539 [  $(-2x^3+4x^2+8x+2)/(2x^4+x^3-x^2-x-1)$  lgdogf]  
A042964 10.6571 [  $(-x^3-3x^2-9x-3)/(-x^4-x^3-x^2+x+2)$  lgdogf]  
A042964 13.9766 [  $(x^2+x+2)/(x+1)/(x-1)^2$  ogf]  
A042964 20.8984  $-(3+9x+x^3+3x^2)/(x-1)/(1+x)/(x^2+x+2)$  lgdogf  
A042964 7.61223 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 3, a(2) = 6\}$ , ogf]  
A042965 12.0374 [  $(-2x^3-5x^2-2x-3)/(-x^4-x^3+x+1)$  lgdogf]  
A042965 13.3338 [  $x*(x+1)^2/(x^2+x+1)/(x-1)^2$  ogf]  
A042965 20.3321  $-(3+2x+2x^3+5x^2)/(x-1)/(1+x)/(x^2+x+1)$  lgdogf  
A042965 29.7848 [  $3-2x+1/2x^2$  egf\_with\_Euler\_transform]  
A042965 5.31714 [  $\{(-n-3)*a(n+1)-a(n+2)-a(n+3)+(n+2)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 4\}$ , ogf]  
A042968 14.4164 [  $(x+1)*(x^2+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A042968 16.2893  $-(2+4x+x^5+3x^4+5x^3+9x^2)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A042968 34.1978 [  $-x^3+x^2+2$  ogf\_with\_Euler\_transform]  
A042968 6.06544 [  $\{(-2n-7)*a(n+1)-2a(n+2)-2a(n+3)+(2n+5)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5\}$ , ogf]  
A042968 9.56473 [  $(-x^5+3x^4+5x^3+9x^2+4x+2)/(x^6+x^5+x^4-x^2-x-1)$  lgdogf]  
A042984 12.2328  $-(11+19x-21x^2-5x^3+2x^4)/(x-1)/(x^4-3x^3-3x^2+5x+1)$  lgdogf  
A042984 7.07651 [  $(x^4-3x^3-3x^2+5x+1)/(x-1)^6$  ogf]  
A042984 8.08744 [  $(-2x^4+5x^3+21x^2-19x-11)/(-x^5+4x^4-8x^2+4x+1)$  lgdogf]  
A042985 10.2176  $-17+324x+(1-40x+144x^2)*f(x)+(-8x^2+16x^3+x)*f(x)^2$  lgdogf  
A042985 3.14068 [  $\{(-16n^2-184n-528)*a(n+1)+(8n^2+74n+150)*a(n+2)+(-n^2-7n-12)*a(n+3), a(0) = 1, a(1) = 17, a(2) = 178\}$ , ogf]  
A042985 7.03816 [  $(-1/2*(36x-1)/(-1+4x)^{(1/2)}+1/2*I)/x/(-1+4x)^{(1/2)}$  lgdogf]



A043095 26.2874 [-x^9+x^8+2 ogf\_with\_Euler\_transform]  
A043095 6.22141 [ x\*(x+1)\*(x^4+x^3+x^2+x+1)\*(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A043096 25.4112 [-x^10+x^9+2 ogf\_with\_Euler\_transform]  
A043096 5.75364 [ x\*(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A043119 4.53246 [-4\*(x^12-4\*x^11-5\*x^10-4\*x^9-6\*x^8-3\*x^7-5\*x^6-4\*x^5-5\*x^4-4\*x^3-5\*x^2-4\*x-6)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2 ogf]  
A043130 4.86556 [(2\*x^11+10\*x^10+31\*x^9+31\*x^8+5\*x^7+31\*x^6+5\*x^5+31\*x^4+5\*x^3+31\*x^2+5\*x+29)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A043284 7.16057 [ -(2\*x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1) ogf]  
A043285 7.99430 [ -(2\*x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1) ogf]  
A043286 7.45333 [ -(2\*x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1) ogf]  
A043287 5.79905 [ -(2\*x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^6-x^5+x^4-x^3+x^2-x+1) ogf]  
A043288 5.45341 [ -(2\*x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1) ogf]  
A043289 5.14666 [ -(2\*x^15+x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1) ogf]  
A043291 15.3715 [ 3/(x-1)/(4\*x-1)/(x+1) ogf]  
A043291 16.2550 -2\*(2\*x+1)\*(3\*x-2)/(x-1)/(4\*x-1)/(x+1) lgdogf  
A043291 5.52836 [{a(n+3)-4\*a(n+2)-a(n+1)+4\*a(n), a(0) = 3, a(1) = 12, a(2) = 51}, ogf]  
A043291 9.69589 [-(12\*x^2-2\*x-4)/(4\*x^3-x^2-4\*x+1) lgdogf]  
A043301 13.1927 [(-1-2\*(-2\*x+1)^(1/2))/(2\*x-1) lgdegf]  
A043301 16.4400 -3+8\*x+(-2+4\*x)\*f(x)+(4\*x^2+1-4\*x)\*f(x)^2 lgdegf  
A043301 24.0728 -1/8\*ln(2\*x+1)\*(ln(2\*x+1)-4) revegf  
A043301 3.13252 [{(16+8\*n)\*a(n+1)+(4\*n^2+22\*n+36)\*a(n+2)+(2\*n^2+13\*n+24)\*a(n+3)+(-n-4)\*a(n+4), a(0) = 1, a(1) = 3, a(2) = 13, a(3) = 77}, ogf]  
A043350 2.84123 [2+1/25\*x^3-x^4-13/625\*x^7+1/5\*x^8 ogf\_with\_Euler\_transform]  
A043369 5.74165 [ -(5\*x^10-x^9-x^8-x^7-x^6-7\*x^5-6\*x^4-6\*x^3-6\*x^2-6\*x-6)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A043393 4.90342 [ -(6\*x^12-x^11-x^10-x^9-x^8-x^7-8\*x^6-7\*x^5-7\*x^4-7\*x^3-7\*x^2-7\*x-7)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2 ogf]  
A043413 5.03377 [(2\*x^12+6\*x^11+2\*x^10+x^9+x^8+x^7+x^6+2\*x^5+7\*x^4+7\*x^3+7\*x^2+7\*x+5)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2 ogf]  
A043417 5.03377 [(2\*x^12+x^11+x^10+x^9+x^8+x^7+x^6+7\*x^5+7\*x^4+7\*x^3+7\*x^2+7\*x+6)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2 ogf]  
A043453 3.93340 [ -(8\*x^16-x^15-x^14-x^13-x^12-x^11-x^10-x^9-10\*x^8-9\*x^7-9\*x^6-9\*x^5-9\*x^4-9\*x^3-9\*x^2-9\*x-9)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2 ogf]  
A043460 4.08003 [ -(16\*x^12+71\*x^11+647\*x^10+5831\*x^9+52487\*x^8+7379\*x^7-x^6-2\*x^5-8\*x^4-72\*x^3-648\*x^2-5832\*x-820)/(x-1)/(9\*x^7-1) ogf]  
A043469 3.95501 [(5\*x^16+9\*x^15+9\*x^14+9\*x^13+5\*x^12+x^11+x^10+x^9+2\*x^8+x^7+x^6+x^5+5\*x^4+9\*x^3+9\*x^2+9\*x+4)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2 ogf]  
A043473 3.95501 [(4\*x^16+9\*x^15+9\*x^14+6\*x^13+x^12+x^11+2\*x^10+x^9+x^8+x^7+x^6+4\*x^5+9\*x^4+9\*x^3+9\*x^2+9\*x+5)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2 ogf]  
A043477 3.95501 [(3\*x^16+9\*x^15+7\*x^14+x^13+2\*x^12+x^11+x^10+x^9+x^8+x^7+3\*x^6+9\*x^5+9\*x^4+9\*x^3+9\*x^2+9\*x+6)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2 ogf]  
A043481 3.95501 [(2\*x^16+8\*x^15+2\*x^14+x^13+x^12+x^11+x^10+x^9+x^8+2\*x^7+9\*x^6+9\*x^5+9\*x^4+9\*x^3+

$(2*x^{16}+8*x^{15}+2*x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+2*x^7+9*x^6+9*x^5+9*x^4+9*x^3+9*x^2+9*x+7)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A043484 4.89083 [  
 $(7382*x^7+59049*x^6+59049*x^5+59049*x^4+59049*x^3+59049*x^2+59049*x+51660)/(x-1)/(x^7-9)$  ogf]  
A043485 3.95501 [  
 $(2*x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+9*x^7+9*x^6+9*x^5+9*x^4+9*x^3+9*x^2+9*x+8)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A043488 4.57865 [  
 $(x^8+59049*x^7+59049*x^6+59049*x^5+59049*x^4+59049*x^3+59049*x^2+59049*x+59040)/(x-1)/(x^4-3)/(x^4+3)$  ogf]  
A043492 4.39665 [  $-(100000000*x^{11}-110000*x^{10}+x^9-100000000*x+10000)/(9*x^{10}+10000*x-1)/(x-1)^2$  ogf]  
A043496 3.60665 [  $-(18*x^{13}+89*x^{12}+899*x^{11}+8999*x^{10}+89999*x^9+11109*x^8-x^7-x^6-2*x^5-9*x^4-90*x^3-900*x^2-9000*x-1111)/(x-1)/(10*x^8-1)$  ogf]  
A043520 4.57865 [  
 $(22223*x^7+100000*x^6+100000*x^5+100000*x^4+100000*x^3+100000*x^2+100000*x+77770)/(x-1)/(x^7-10)$  ogf]  
A043524 4.19214 [  
 $8*(1389*x^8+12500*x^7+12500*x^6+12500*x^5+12500*x^4+12500*x^3+12500*x^2+12500*x+11110)/(x-1)/(x^8-10)$  ogf]  
A043528 3.93652 [  
 $(x^9+100000*x^8+100000*x^7+100000*x^6+100000*x^5+100000*x^4+100000*x^3+100000*x^2+100000*x+99990)/(x-1)/(x^9-10)$  ogf]  
A043547 13.5674 [  $(2*x+1)*(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A043547 16.6346  $-2*(1+3*x+x^4+x^3+6*x^2)/(x-1)/(2*x+1)/(1+x)/(1+x^2)$  lgdogf  
A043553 11.8674  $-1/3*(-(10*x+1)^{(1/3)}+(x+1)^{(1/3)})/(10*x+1)^{(1/3)}$  revogf  
A043553 5.11794 [  $\{a(n+3)-10*a(n+2)+30*a(n+1)-30*a(n), a(0) = 1, a(1) = 7, a(2) = 43\}$ , ogf]  
A043553 8.42758  $-(7-54*x+150*x^2-180*x^3+90*x^4)/(3*x^2-3*x+1)/(30*x^3-30*x^2+10*x-1)$  lgdogf  
A043553 9.27627 [  $-(3*x^2-3*x+1)/(30*x^3-30*x^2+10*x-1)$  ogf]  
A043620 5.28858 [  $-(7*x^{13}-x^8+2450*x^7-8*x^6-x^5-x^4-x^3-x^2-x-2451)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A043621 5.71028 [  $-(17156*x^7-x^6-x^5-x^4-x^3-x^2-2*x-17157)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A043622 4.94376 [  $-(7*x^{13}-x^8+120099*x^7-8*x^6-x^5-x^4-x^3-x^2-x-120100)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A043623 5.70091 [  $-(840699*x^7-x^6-x^5-x^4-x^3-x^2-2*x-840700)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A043626 6.16477 [  $-(519*x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-520)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A043627 4.96806 [  $-(8*x^{15}-x^9+4160*x^8-9*x^7-x^6-x^5-x^4-x^3-x^2-x-4161)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A043628 5.31983 [  $-(33287*x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-33288)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A043630 5.12165 [  $-(2130439*x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-2130440)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A043632 5.18017 [  $-(9*x^{17}-x^{10}+81*x^9-10*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-82)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A043633 5.70999 [  $-(737*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-738)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A043634 4.58590 [  $-(9*x^{17}-x^{10}+6642*x^9-10*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-6643)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A043635 4.93984 [  $-(59786*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-59787)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A043637 4.76708 [  $-(4842755*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-4842756)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A043639 4.58302 [  $-(10*x^{19}-x^{11}+100*x^{10}-11*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-101)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A043640 4.89391 [  $-(1009*x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-1010)/(x+1)/$

$(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A043642 4.58551 [  $-(101009*x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-101010)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A043645 5.39039 [  $-(10*x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-11)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A043646 4.32683 [  $-(11*x^{21}-x^{12}+121*x^{11}-12*x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-122)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A043647 4.58590 [  $-(1341*x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-1342)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A043649 4.30477 [  $-(162392*x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-162393)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A043651 5.06259 [  $-(11*x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-12)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A043653 4.31437 [  $-(1739*x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-1740)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A043655 4.05642 [  $-(250571*x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-250572)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A043657 4.77238 [  $-(12*x^{13}-x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-13)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A043659 4.07319 [  $-(2209*x^{13}-x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-2210)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A043663 4.51364 [  $-(13*x^{14}-x^{13}-x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-14)/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A043669 4.28151 [  $-(14*x^{15}-x^{14}-x^{13}-x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-15)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf]  
A043670 3.87011 [  $(x^{19}-226*x^{18}+256*x^{17}-30*x^{16}+225*x^{15}-225*x^{14}+225*x^3-226*x^2+3375*x-3390)/(x^{17}-x^2-15)/(x-1)^2$  ogf]  
A043676 3.87011 [  $(x^{20}-257*x^{19}+289*x^{18}-32*x^{17}+256*x^{16}-256*x^{15}+256*x^3-257*x^2+4096*x-4112)/(x^{18}-x^2-16)/(x-1)^2$  ogf]  
A043698 6.05625 [  $-(8*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-9)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A043699 10.1326  $-2*(-6-31*x+x^5+6*x^4+2*x^3+24*x^2)/(x^2+1)/(x^2+14*x-1)/(x^2-2*x-1)$  lgdogf  
A043699 10.2648 [  $2*x*(x^2+1)/(x^2+14*x-1)/(x^2-2*x-1)$  ogf]  
A043700 5.39039 [  $-(10*x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-11)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A043701 5.06259 [  $-(11*x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-12)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A043702 4.77238 [  $-(12*x^{13}-x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-13)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A043703 4.51364 [  $-(13*x^{14}-x^{13}-x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-14)/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A043704 4.28151 [  $-(14*x^{15}-x^{14}-x^{13}-x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-15)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf]  
A043910 4.89959 [  $(2*x^{11}+5*x^{10}+30*x^9+37*x^8+5*x^7+31*x^6+5*x^5+31*x^4+5*x^3+31*x^2+5*x+29)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044043 5.52573 [  $-x^2*(2*x^8+4*x^5+4*x^4+3*x^3+3*x^2+5*x+2)/(2*x^{10}+4*x^7+3*x^6+x^5+2*x^4+3*x^3-1)$  ogf]  
A044102 100.167  $-2/(x-1)$  lgdogf  
A044102 21.3935 [  $36*x/(x-1)^2$  ogf]  
A044102 42.1757  $x/(3+(9+x)^{1/2})^2$  revogf  
A044102 9.91405 [  $\{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 36\}$ , ogf]  
A044104 6.38369 [  $-2*(6*x^7-5*x^6-18*x^5-18*x^4-18*x^3-18*x^2-18*x-19)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]

A044105 6.38369 [  $-3*(6*x^7-5*x^6-12*x^5-12*x^4-12*x^3-12*x^2-12*x-13)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044106 6.38369 [  $-4*(6*x^7-5*x^6-9*x^5-9*x^4-9*x^3-9*x^2-9*x-10)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044107 6.38369 [  $-(30*x^7-25*x^6-36*x^5-36*x^4-36*x^3-36*x^2-36*x-41)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044110 5.05780 [  $-4*(2*x^18-2*x^17-2*x^11+2*x^10-7*x^7-9*x^6-9*x^5-9*x^4-8*x^3-x^2-9*x-2)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044112 4.72389 [  $-2*(5*x^20-5*x^19-5*x^13+5*x^12-13*x^7-18*x^6-18*x^5-18*x^4-11*x^3-7*x^2-18*x-5)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044113 4.72389 [  $-(11*x^21-11*x^20-11*x^14+11*x^13-25*x^7-36*x^6-36*x^5-36*x^4-17*x^3-19*x^2-36*x-11)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044116 5.02389 [  $-2*(6*x^21-6*x^20-6*x^15+6*x^14-11*x^6-18*x^5-18*x^4-19*x^3-17*x^2-18*x-7)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A044138 102.029  $-2/(x-1)$  lgdogf  
A044138 24.4598 [  $49/(x-1)^2$  ogf]  
A044138 34.0097  $4*x/(7+(49+4*x)^(1/2))^2$  revogf  
A044138 9.90038 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 49, a(1) = 98\}$ , ogf]  
A044139 6.08983 [  $-(7*x^8-6*x^7-49*x^6-49*x^5-49*x^4-49*x^3-49*x^2-49*x-50)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044140 6.01828 [  $-(14*x^8-12*x^7-49*x^6-49*x^5-49*x^4-49*x^3-49*x^2-49*x-51)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044141 6.01828 [  $-(21*x^8-18*x^7-49*x^6-49*x^5-49*x^4-49*x^3-49*x^2-49*x-52)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044142 6.01828 [  $-(28*x^8-24*x^7-49*x^6-49*x^5-49*x^4-49*x^3-49*x^2-49*x-53)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044143 6.01828 [  $-(35*x^8-30*x^7-49*x^6-49*x^5-49*x^4-49*x^3-49*x^2-49*x-54)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044144 6.01828 [  $-(42*x^8-36*x^7-49*x^6-49*x^5-49*x^4-49*x^3-49*x^2-49*x-55)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044145 5.08896 [  $-7*(7*x^15+x^9-9*x^8-5*x^7-7*x^6-7*x^5-7*x^4-7*x^3-8*x^2-6*x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044146 4.81195 [  $-(7*x^16-7*x^15-7*x^9+7*x^8-41*x^7-49*x^6-49*x^5-49*x^4-49*x^3-50*x^2-48*x-8)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044147 4.54914 [  $-(9*x^20-9*x^19-9*x^12+9*x^11-40*x^8-49*x^7-49*x^6-49*x^5-49*x^4-44*x^3-5*x^2-49*x-9)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044175 5.95493 [  $(12*x^8+49*x^7+23*x^6+26*x^5+49*x^4+49*x^3+49*x^2+49*x+37)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044176 5.95493 [  $(11*x^8+49*x^7+17*x^6+32*x^5+49*x^4+49*x^3+49*x^2+49*x+38)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044177 5.95493 [  $(10*x^8+49*x^7+11*x^6+38*x^5+49*x^4+49*x^3+49*x^2+49*x+39)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044179 15.0157 [  $(8*x+41)/(x-1)^2$  ogf]  
A044179 16.8967  $-1/2*(-41-2*x+(1681+196*x)^(1/2))/(-8+x)$  revogf  
A044179 25.9950  $-2*(45+4*x)/(8*x+41)/(x-1)$  lgdogf  
A044179 8.22290 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 41, a(1) = 90\}$ , ogf]  
A044180 6.05760 [  $7*(x+6)*(x^7+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044181 6.00583 [  $(6*x^8+36*x^7+13*x^6+49*x^5+49*x^4+49*x^3+49*x^2+49*x+43)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044182 6.00583 [  $(5*x^8+30*x^7+19*x^6+49*x^5+49*x^4+49*x^3+49*x^2+49*x+44)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044183 6.03778 [  $(4*x^8+24*x^7+25*x^6+49*x^5+49*x^4+49*x^3+49*x^2+49*x+45)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044184 6.03778 [  $(3*x^8+18*x^7+31*x^6+49*x^5+49*x^4+49*x^3+49*x^2+49*x+46)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]

+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A044185 6.03778 [ (2\*x^8+12\*x^7+37\*x^6+49\*x^5+49\*x^4+49\*x^3+49\*x^2+49\*x+47)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A044186 6.39559 [ (7\*x^7+43\*x^6+49\*x^5+49\*x^4+49\*x^3+49\*x^2+49\*x+48)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A044187 20.2889 [ 64/(x-1)^2 ogf]  
A044187 33.7533 x/(4+(x+16)^(1/2))^2 revogf  
A044187 8.11554 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 64, a(1) = 128}, ogf]  
A044187 84.3831 -2/(x-1) lgdogf  
A044188 5.44549 [ -  
(8\*x^9-7\*x^8-64\*x^7-64\*x^6-64\*x^5-64\*x^4-64\*x^3-64\*x^2-64\*x-65)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044189 5.36041 [ -2\*(8\*x^9-7\*x^8-32\*x^7-32\*x^6-32\*x^5-32\*x^4-32\*x^3-32\*x^2-32\*x-33)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044190 5.36041 [ -  
(24\*x^9-21\*x^8-64\*x^7-64\*x^6-64\*x^5-64\*x^4-64\*x^3-64\*x^2-64\*x-67)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044191 5.36041 [ -4\*(8\*x^9-7\*x^8-16\*x^7-16\*x^6-16\*x^5-16\*x^4-16\*x^3-16\*x^2-16\*x-17)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044192 6.46083 [ -  
(40\*x^9-35\*x^8-64\*x^7-64\*x^6-64\*x^5-64\*x^4-64\*x^3-64\*x^2-64\*x-69)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044193 5.36041 [ -2\*(24\*x^9-21\*x^8-32\*x^7-32\*x^6-32\*x^5-32\*x^4-32\*x^3-32\*x^2-32\*x-35)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044194 5.36041 [ -  
(56\*x^9-49\*x^8-64\*x^7-64\*x^6-64\*x^5-64\*x^4-64\*x^3-64\*x^2-64\*x-71)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044195 4.70650 [ -8\*(8\*x^17+x^10-10\*x^9-6\*x^8-8\*x^7-8\*x^6-8\*x^5-8\*x^4-8\*x^3-9\*x^2-7\*x-1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A044196 4.46549 [ -  
(8\*x^18-8\*x^17-8\*x^10+8\*x^9-55\*x^8-64\*x^7-64\*x^6-64\*x^5-64\*x^4-64\*x^3-65\*x^2-63\*x-9)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A044219 14.1532 [-x^9+x^8+x^4-x^3-x+3 ogf\_with\_Euler\_transform]  
A044224 5.52650 [ (27\*x^9+64\*x^8+64\*x^7+61\*x^6+3\*x^5+64\*x^4+64\*x^3+64\*x^2+64\*x+37)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044225 5.48332 [ 2\*(13\*x^9+32\*x^8+32\*x^7+27\*x^6+5\*x^5+32\*x^4+32\*x^3+32\*x^2+32\*x+19)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044226 5.48332 [ (25\*x^9+64\*x^8+64\*x^7+47\*x^6+17\*x^5+64\*x^4+64\*x^3+64\*x^2+64\*x+39)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044227 5.51233 [ 8\*(3\*x+5)\*(x^8+x^7+x^6+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044228 5.51233 [ (23\*x^9+64\*x^8+64\*x^7+33\*x^6+31\*x^5+64\*x^4+64\*x^3+64\*x^2+64\*x+41)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044229 5.51233 [ 2\*(11\*x^9+32\*x^8+32\*x^7+13\*x^6+19\*x^5+32\*x^4+32\*x^3+32\*x^2+32\*x+21)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044230 5.51233 [ (21\*x^9+64\*x^8+64\*x^7+19\*x^6+45\*x^5+64\*x^4+64\*x^3+64\*x^2+64\*x+43)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044231 5.51233 [ 4\*(5\*x^9+16\*x^8+16\*x^7+3\*x^6+13\*x^5+16\*x^4+16\*x^3+16\*x^2+16\*x+11)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044232 5.84594 [ (19\*x^8+64\*x^7+69\*x^6+59\*x^5+64\*x^4+64\*x^3+64\*x^2+64\*x+45)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A044233 5.55573 [ 2\*(9\*x^9+32\*x^8+31\*x^7+x^6+32\*x^5+32\*x^4+32\*x^3+32\*x^2+32\*x+23)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044234 5.55573 [ (17\*x^9+64\*x^8+55\*x^7+9\*x^6+64\*x^5+64\*x^4+64\*x^3+64\*x^2+64\*x+47)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044235 5.51233 [ 16\*(x+3)\*(x+1)\*(x^7+x^4+x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2

ogf]  
 A044236 5.51233 [ (15\*x^9+64\*x^8+41\*x^7+23\*x^6+64\*x^5+64\*x^4+64\*x^3+64\*x^2+64\*x+49)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
 A044237 5.51233 [ 2\*(7\*x^9+32\*x^8+17\*x^7+15\*x^6+32\*x^5+32\*x^4+32\*x^3+32\*x^2+32\*x+25)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
 A044238 5.51233 [ (13\*x^9+64\*x^8+27\*x^7+37\*x^6+64\*x^5+64\*x^4+64\*x^3+64\*x^2+64\*x+51)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
 A044239 5.51233 [ 4\*(3\*x^9+16\*x^8+5\*x^7+11\*x^6+16\*x^5+16\*x^4+16\*x^3+16\*x^2+16\*x+13)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
 A044240 5.51233 [ (11\*x^9+64\*x^8+13\*x^7+51\*x^6+64\*x^5+64\*x^4+64\*x^3+64\*x^2+64\*x+53)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
 A044241 5.84594 [ 2\*(5\*x^8+35\*x^7+29\*x^6+32\*x^5+32\*x^4+32\*x^3+32\*x^2+32\*x+27)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
 A044242 14.9961 [ (9\*x+55)/(x-1)^2 ogf]  
 A044242 16.8766 -1/2\*(-55-2\*x+(3025+256\*x)^(1/2))/(-9+x) revogf  
 A044242 27.0026 -(119+9\*x)/(9\*x+55)/(x-1) lgdogf  
 A044242 8.11554 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 55, a(1) = 119}, ogf]  
 A044243 5.59983 [ 8\*(x+7)\*(x^8+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
 A044244 5.55573 [ (7\*x^9+49\*x^8+15\*x^7+64\*x^6+64\*x^5+64\*x^4+64\*x^3+64\*x^2+64\*x+57)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
 A044245 5.55573 [ 2\*(3\*x^9+21\*x^8+11\*x^7+32\*x^6+32\*x^5+32\*x^4+32\*x^3+32\*x^2+32\*x+29)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
 A044246 5.55573 [ (5\*x^9+35\*x^8+29\*x^7+64\*x^6+64\*x^5+64\*x^4+64\*x^3+64\*x^2+64\*x+59)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
 A044247 6.29448 [ 4\*(x^9+7\*x^8+9\*x^7+16\*x^6+16\*x^5+16\*x^4+16\*x^3+16\*x^2+16\*x+15)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
 A044248 5.40261 [ (3\*x^9+21\*x^8+43\*x^7+64\*x^6+64\*x^5+64\*x^4+64\*x^3+64\*x^2+64\*x+61)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
 A044249 5.40261 [ 2\*(x^9+7\*x^8+25\*x^7+32\*x^6+32\*x^5+32\*x^4+32\*x^3+32\*x^2+32\*x+31)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
 A044250 5.89591 [ (8\*x^8+57\*x^7+64\*x^6+64\*x^5+64\*x^4+64\*x^3+64\*x^2+64\*x+63)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
 A044251 19.9341 [ 81/(x-1)^2 ogf]  
 A044251 27.6293 4\*x/(9+(81+4\*x)^(1/2))^2 revogf  
 A044251 7.97364 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 81, a(1) = 162}, ogf]  
 A044251 82.8880 -2/(x-1) lgdogf  
 A044252 4.92040 [ -  
 (9\*x^10-8\*x^9-81\*x^8-81\*x^7-81\*x^6-81\*x^5-81\*x^4-81\*x^3-81\*x^2-81\*x-82)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
 A044253 4.84960 [ -  
 (18\*x^10-16\*x^9-81\*x^8-81\*x^7-81\*x^6-81\*x^5-81\*x^4-81\*x^3-81\*x^2-81\*x-83)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
 A044254 4.84960 [ -  
 3\*(9\*x^10-8\*x^9-27\*x^8-27\*x^7-27\*x^6-27\*x^5-27\*x^4-27\*x^3-27\*x^2-27\*x-28)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
 A044255 4.84960 [ -  
 (36\*x^10-32\*x^9-81\*x^8-81\*x^7-81\*x^6-81\*x^5-81\*x^4-81\*x^3-81\*x^2-81\*x-85)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
 A044256 4.84960 [ -  
 (45\*x^10-40\*x^9-81\*x^8-81\*x^7-81\*x^6-81\*x^5-81\*x^4-81\*x^3-81\*x^2-81\*x-86)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
 A044257 4.84960 [ -  
 3\*(18\*x^10-16\*x^9-27\*x^8-27\*x^7-27\*x^6-27\*x^5-27\*x^4-27\*x^3-27\*x^2-27\*x-29)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
 A044258 4.84960 [ -  
 (63\*x^10-56\*x^9-81\*x^8-81\*x^7-81\*x^6-81\*x^5-81\*x^4-81\*x^3-81\*x^2-81\*x-88)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
 A044259 4.84960 [ -  
 (72\*x^10-64\*x^9-81\*x^8-81\*x^7-81\*x^6-81\*x^5-81\*x^4-81\*x^3-81\*x^2-81\*x-89)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]

A044260 4.29763 [  

$$-9*(9*x^{19}+x^{11}-11*x^{10}-7*x^9-9*x^8-9*x^7-9*x^6-9*x^5-9*x^4-9*x^3-10*x^2-8*x-1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 \text{ ogf}]$$
A044286 4.84960 [  

$$(46*x^{10}+81*x^9+81*x^8+81*x^7+81*x^6+44*x^5+37*x^4+81*x^3+81*x^2+81*x+35)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$$
A044287 4.84960 [  

$$9*(5*x+4)*(x^9+x^8+x^7+x^6+x^5+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$$
A044288 4.84960 [  

$$(44*x^{10}+81*x^9+81*x^8+81*x^7+81*x^6+28*x^5+53*x^4+81*x^3+81*x^2+81*x+37)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$$
A044289 4.84960 [  

$$(43*x^{10}+81*x^9+81*x^8+81*x^7+81*x^6+20*x^5+61*x^4+81*x^3+81*x^2+81*x+38)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$$
A044290 4.84960 [  

$$3*(14*x^{10}+27*x^9+27*x^8+27*x^7+27*x^6+4*x^5+23*x^4+27*x^3+27*x^2+27*x+13)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$$
A044291 5.29499 [  

$$(41*x^9+81*x^8+81*x^7+81*x^6+85*x^5+77*x^4+81*x^3+81*x^2+81*x+40)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 \text{ ogf}]$$
A044292 4.88475 [  

$$(40*x^{10}+81*x^9+81*x^8+81*x^7+77*x^6+4*x^5+81*x^4+81*x^3+81*x^2+81*x+41)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$$
A044293 4.84960 [  

$$3*(13*x^{10}+27*x^9+27*x^8+27*x^7+23*x^6+4*x^5+27*x^4+27*x^3+27*x^2+27*x+14)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$$
A044294 4.84960 [  

$$(38*x^{10}+81*x^9+81*x^8+81*x^7+61*x^6+20*x^5+81*x^4+81*x^3+81*x^2+81*x+43)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$$
A044295 4.84960 [  

$$(37*x^{10}+81*x^9+81*x^8+81*x^7+53*x^6+28*x^5+81*x^4+81*x^3+81*x^2+81*x+44)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$$
A044296 4.84960 [  

$$9*(4*x+5)*(x^9+x^8+x^7+x^6+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$$
A044297 4.84960 [  

$$(35*x^{10}+81*x^9+81*x^8+81*x^7+37*x^6+44*x^5+81*x^4+81*x^3+81*x^2+81*x+46)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$$
A044298 4.84960 [  

$$(34*x^{10}+81*x^9+81*x^8+81*x^7+29*x^6+52*x^5+81*x^4+81*x^3+81*x^2+81*x+47)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$$
A044299 4.84960 [  

$$3*(11*x^{10}+27*x^9+27*x^8+27*x^7+7*x^6+20*x^5+27*x^4+27*x^3+27*x^2+27*x+16)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$$
A044300 4.84960 [  

$$(32*x^{10}+81*x^9+81*x^8+81*x^7+13*x^6+68*x^5+81*x^4+81*x^3+81*x^2+81*x+49)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$$
A044301 5.29499 [  

$$(31*x^9+81*x^8+81*x^7+86*x^6+76*x^5+81*x^4+81*x^3+81*x^2+81*x+50)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 \text{ ogf}]$$
A044302 4.88475 [  

$$3*(10*x^{10}+27*x^9+27*x^8+26*x^7+x^6+27*x^5+27*x^4+27*x^3+27*x^2+27*x+17)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$$
A044303 4.84960 [  

$$(29*x^{10}+81*x^9+81*x^8+70*x^7+11*x^6+81*x^5+81*x^4+81*x^3+81*x^2+81*x+52)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$$
A044304 4.84960 [  

$$(28*x^{10}+81*x^9+81*x^8+62*x^7+19*x^6+81*x^5+81*x^4+81*x^3+81*x^2+81*x+53)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$$
A044305 4.84960 [  

$$27*(x+2)*(x^2+x+1)*(x^7+x^3+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$$
A044306 4.84960 [  

$$(26*x^{10}+81*x^9+81*x^8+46*x^7+35*x^6+81*x^5+81*x^4+81*x^3+81*x^2+81*x+55)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$$

A044307 4.84960 [  
 $(25x^{10}+81x^9+81x^8+38x^7+43x^6+81x^5+81x^4+81x^3+81x^2+81x+56)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044308 4.84960 [  
 $3*(8x^{10}+27x^9+27x^8+10x^7+17x^6+27x^5+27x^4+27x^3+27x^2+27x+19)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044309 4.84960 [  
 $(23x^{10}+81x^9+81x^8+22x^7+59x^6+81x^5+81x^4+81x^3+81x^2+81x+58)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044310 4.84960 [  
 $(22x^{10}+81x^9+81x^8+14x^7+67x^6+81x^5+81x^4+81x^3+81x^2+81x+59)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044311 5.29499 [  
 $3*(7x^9+27x^8+29x^7+25x^6+27x^5+27x^4+27x^3+27x^2+27x+20)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044312 4.88475 [  
 $(20x^{10}+81x^9+79x^8+2x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+61)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044313 4.84960 [  
 $(19x^{10}+81x^9+71x^8+10x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+62)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044314 4.84960 [  
 $9*(2x+7)*(x^9+x^8+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044315 4.84960 [  
 $(17x^{10}+81x^9+55x^8+26x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+64)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044316 4.84960 [  
 $(16x^{10}+81x^9+47x^8+34x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+65)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044317 4.84960 [  
 $3*(5x^{10}+27x^9+13x^8+14x^7+27x^6+27x^5+27x^4+27x^3+27x^2+27x+22)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044318 4.84960 [  
 $(14x^{10}+81x^9+31x^8+50x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+67)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044319 4.84960 [  
 $(13x^{10}+81x^9+23x^8+58x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+68)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044320 4.84960 [  
 $3*(4x^{10}+27x^9+5x^8+22x^7+27x^6+27x^5+27x^4+27x^3+27x^2+27x+23)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044321 5.29499 [  
 $(11x^9+88x^8+74x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+70)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044322 14.4204 [  
 $(10x+71)/(x-1)^2$  ogf]  
A044322 16.1733  $-1/2*(-71-2*x+(5041+324*x)^{(1/2)})/(-10+x)$  revogf  
A044322 24.5594  $-2*(76+5*x)/(10*x+71)/(x-1)$  lgdogf  
A044322 7.97364 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 71, a(1) = 152\}$ , ogf]  
A044323 4.92040 [  
 $9*(x+8)*(x^9+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044324 4.88475 [  
 $(8x^{10}+64x^9+17x^8+81x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+73)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044325 4.88475 [  
 $(7x^{10}+56x^9+25x^8+81x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+74)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044326 4.88475 [  
 $3*(2x^{10}+16x^9+11x^8+27x^7+27x^6+27x^5+27x^4+27x^3+27x^2+27x+25)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044327 4.88475 [  
 $(5x^{10}+40x^9+41x^8+81x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+76)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044328 4.88475 [



$(4*x^{10}+32*x^9+49*x^8+81*x^7+81*x^6+81*x^5+81*x^4+81*x^3+81*x^2+81*x+77)/(x+1)/$   
 $(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044329 4.88475 [  
 $3*(x^{10}+8*x^9+19*x^8+27*x^7+27*x^6+27*x^5+27*x^4+27*x^3+27*x^2+27*x+26)/(x+1)/$   
 $(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044330 4.88475 [  
 $(2*x^{10}+16*x^9+65*x^8+81*x^7+81*x^6+81*x^5+81*x^4+81*x^3+81*x^2+81*x+79)/(x+1)/$   
 $(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044331 5.33669 [  $(9*x^9+73*x^8+81*x^7+81*x^6+81*x^5+81*x^4+81*x^3+81*x^2+81*x$   
 $+80)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044332 19.1233 [  $100/(x-1)^2$  ogf]  
A044332 32.7383  $x/(5+(x+25)^{(1/2)})^2$  revogf  
A044332 7.78276 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 100, a(1) = 200\}$ , ogf]  
A044332 81.8458  $-2/(x-1)$  lgdogf  
A044334 4.20954 [  
 $-2*(10*x^{11}-9*x^{10}-50*x^9-50*x^8-50*x^7-50*x^6-50*x^5-50*x^4-50*x^3-50*x^2-50*x-$   
 $51)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044336 4.20954 [  
 $-4*(10*x^{11}-9*x^{10}-25*x^9-25*x^8-25*x^7-25*x^6-25*x^5-25*x^4-25*x^3-25*x^2-25*x-$   
 $26)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044337 4.20954 [  
 $-5*(10*x^{11}-9*x^{10}-20*x^9-20*x^8-20*x^7-20*x^6-20*x^5-20*x^4-20*x^3-20*x^2-20*x-$   
 $21)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044338 4.20954 [  
 $-2*(30*x^{11}-27*x^{10}-50*x^9-50*x^8-50*x^7-50*x^6-50*x^5-50*x^4-50*x^3-50*x^2-50*x$   
 $-53)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044340 4.20954 [  
 $-4*(20*x^{11}-18*x^{10}-25*x^9-25*x^8-25*x^7-25*x^6-25*x^5-25*x^4-25*x^3-25*x^2-25*x$   
 $-27)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044367 4.34027 [  
 $5*(13*x^{11}+20*x^{10}+20*x^9+20*x^8+20*x^7+20*x^6+17*x^5+3*x^4+20*x^3+20*x^2+20*x$   
 $+7)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044368 4.34027 [  
 $4*(16*x^{11}+25*x^{10}+25*x^9+25*x^8+25*x^7+25*x^6+19*x^5+6*x^4+25*x^3+25*x^2+25*x$   
 $+9)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044370 4.34027 [  
 $2*(31*x^{11}+50*x^{10}+50*x^9+50*x^8+50*x^7+50*x^6+29*x^5+21*x^4+50*x^3+50*x^2+50*x$   
 $+19)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044372 4.34027 [  $20*(3*x+2)*(x+1)*(x^9+x^7+x^5+x^2+1)/$   
 $(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044374 4.34027 [  
 $2*(29*x^{11}+50*x^{10}+50*x^9+50*x^8+50*x^7+50*x^6+11*x^5+39*x^4+50*x^3+50*x^2+50*x$   
 $+21)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044376 4.66045 [  
 $4*(14*x^{10}+25*x^9+25*x^8+25*x^7+25*x^6+26*x^5+24*x^4+25*x^3+25*x^2+25*x+11)/(x$   
 $+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044377 4.36809 [  
 $5*(11*x^{11}+20*x^{10}+20*x^9+20*x^8+20*x^7+19*x^6+x^5+20*x^4+20*x^3+20*x^2+20*x+9)/$   
 $(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044378 4.34027 [  
 $2*(27*x^{11}+50*x^{10}+50*x^9+50*x^8+50*x^7+43*x^6+7*x^5+50*x^4+50*x^3+50*x^2+50*x$   
 $+23)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044380 4.34027 [  
 $4*(13*x^{11}+25*x^{10}+25*x^9+25*x^8+25*x^7+17*x^6+8*x^5+25*x^4+25*x^3+25*x^2+25*x$   
 $+12)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044382 4.34027 [  $50*(x+1)*(x^2+1)*(x^4+x^3+x^2+x+1)*(x^4-x^2+1)/$   
 $(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044384 4.34027 [  
 $4*(12*x^{11}+25*x^{10}+25*x^9+25*x^8+25*x^7+8*x^6+17*x^5+25*x^4+25*x^3+25*x^2+25*x$   
 $+13)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044386 4.34027 [

$2*(23*x^{11}+50*x^{10}+50*x^9+50*x^8+50*x^7+7*x^6+43*x^5+50*x^4+50*x^3+50*x^2+50*x+27)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
   
A044387 4.66045 [
   
 $5*(9*x^{10}+20*x^9+20*x^8+20*x^7+21*x^6+19*x^5+20*x^4+20*x^3+20*x^2+20*x+11)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044388 4.36809 [
   
 $4*(11*x^{11}+25*x^{10}+25*x^9+25*x^8+24*x^7+x^6+25*x^5+25*x^4+25*x^3+25*x^2+25*x+14)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
   
A044390 4.34027 [
   
 $2*(21*x^{11}+50*x^{10}+50*x^9+50*x^8+39*x^7+11*x^6+50*x^5+50*x^4+50*x^3+50*x^2+50*x+29)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
   
A044392 4.34027 [  $20*(2*x+3)*(x+1)*(x^9+x^7+x^4+x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
   
A044394 4.34027 [
   
 $2*(19*x^{11}+50*x^{10}+50*x^9+50*x^8+21*x^7+29*x^6+50*x^5+50*x^4+50*x^3+50*x^2+50*x+31)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
   
A044396 4.34027 [
   
 $4*(9*x^{11}+25*x^{10}+25*x^9+25*x^8+6*x^7+19*x^6+25*x^5+25*x^4+25*x^3+25*x^2+25*x+16)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
   
A044397 4.34027 [
   
 $5*(7*x^{11}+20*x^{10}+20*x^9+20*x^8+3*x^7+17*x^6+20*x^5+20*x^4+20*x^3+20*x^2+20*x+13)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
   
A044398 4.66045 [
   
 $2*(17*x^{10}+50*x^9+50*x^8+53*x^7+47*x^6+50*x^5+50*x^4+50*x^3+50*x^2+50*x+33)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044400 4.34027 [
   
 $4*(8*x^{11}+25*x^{10}+25*x^9+22*x^8+3*x^7+25*x^6+25*x^5+25*x^4+25*x^3+25*x^2+25*x+17)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
   
A044402 4.34027 [  $10*(3*x+7)*(x^{10}+x^9+x^8+x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
   
A044404 4.34027 [
   
 $4*(7*x^{11}+25*x^{10}+25*x^9+13*x^8+12*x^7+25*x^6+25*x^5+25*x^4+25*x^3+25*x^2+25*x+18)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
   
A044406 4.34027 [
   
 $2*(13*x^{11}+50*x^{10}+50*x^9+17*x^8+33*x^7+50*x^6+50*x^5+50*x^4+50*x^3+50*x^2+50*x+37)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
   
A044407 4.34027 [  $20*(x+1)*(x^{10}+3*x^9+x^8+3*x^6+x^5+3*x^4+x^3+3*x^2+x+3)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
   
A044408 4.34027 [
   
 $4*(6*x^{11}+25*x^{10}+25*x^9+4*x^8+21*x^7+25*x^6+25*x^5+25*x^4+25*x^3+25*x^2+25*x+19)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
   
A044409 4.66045 [
   
 $(23*x^{10}+100*x^9+107*x^8+93*x^7+100*x^6+100*x^5+100*x^4+100*x^3+100*x^2+100*x+77)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044410 4.36809 [
   
 $2*(11*x^{11}+50*x^{10}+49*x^9+x^8+50*x^7+50*x^6+50*x^5+50*x^4+50*x^3+50*x^2+50*x+39)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
   
A044412 4.34027 [  $20*(x+4)*(x+1)*(x^2-x+1)*(x^7+x^6+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
   
A044414 4.34027 [
   
 $2*(9*x^{11}+50*x^{10}+31*x^9+19*x^8+50*x^7+50*x^6+50*x^5+50*x^4+50*x^3+50*x^2+50*x+41)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
   
A044416 4.34027 [
   
 $4*(4*x^{11}+25*x^{10}+11*x^9+14*x^8+25*x^7+25*x^6+25*x^5+25*x^4+25*x^3+25*x^2+25*x+21)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
   
A044417 4.34027 [
   
 $5*(3*x^{11}+20*x^{10}+7*x^9+13*x^8+20*x^7+20*x^6+20*x^5+20*x^4+20*x^3+20*x^2+20*x+17)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
   
A044418 4.34027 [
   
 $2*(7*x^{11}+50*x^{10}+13*x^9+37*x^8+50*x^7+50*x^6+50*x^5+50*x^4+50*x^3+50*x^2+50*x+43)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]

A044420 4.66045 [  
 $4*(3*x^{10}+27*x^9+23*x^8+25*x^7+25*x^6+25*x^5+25*x^4+25*x^3+25*x^2+25*x+22)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044421 14.5763 [(11\*x+89)/(x-1)^2 ogf]  
A044421 16.3520  $-1/2*(-89-2*x+(7921+400*x)^{1/2})/(-11+x)$  revogf  
A044421 24.8308  $-(189+11*x)/(11*x+89)/(x-1)$  lgdogf  
A044421 8.05984 [{-a(n+2)+2\*a(n+1)-a(n), a(0) = 89, a(1) = 189}, ogf]  
A044422 4.34027 [ $10*(x+9)*(x^2+1)*(x^8+x^5+x^4+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044424 4.36809 [  
 $4*(2*x^{11}+18*x^{10}+7*x^9+25*x^8+25*x^7+25*x^6+25*x^5+25*x^4+25*x^3+25*x^2+25*x+23)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044426 4.36809 [  
 $2*(3*x^{11}+27*x^{10}+23*x^9+50*x^8+50*x^7+50*x^6+50*x^5+50*x^4+50*x^3+50*x^2+50*x+47)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044427 4.36809 [  
 $5*(x^{11}+9*x^{10}+11*x^9+20*x^8+20*x^7+20*x^6+20*x^5+20*x^4+20*x^3+20*x^2+20*x+19)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044428 4.36809 [  
 $4*(x^{11}+9*x^{10}+16*x^9+25*x^8+25*x^7+25*x^6+25*x^5+25*x^4+25*x^3+25*x^2+25*x+24)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044430 4.36809 [  
 $2*(x^{11}+9*x^{10}+41*x^9+50*x^8+50*x^7+50*x^6+50*x^5+50*x^4+50*x^3+50*x^2+50*x+49)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044431 4.66045 [  
 $(10*x^{10}+91*x^9+100*x^8+100*x^7+100*x^6+100*x^5+100*x^4+100*x^3+100*x^2+100*x+99)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044432 5.34443 [(x+1)\*(x^2-x+1)\*(x^8+x^7+x^2+1)/(x-1)/(2\*x-1)/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1) ogf]  
A044485 6.38369 [ $-(17*x^7-15*x^6-36*x^5-36*x^4-36*x^3-36*x^2-36*x-38)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044486 6.38369 [ $-(23*x^7-20*x^6-36*x^5-36*x^4-36*x^3-36*x^2-36*x-39)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044487 6.38369 [ $-(29*x^7-25*x^6-36*x^5-36*x^4-36*x^3-36*x^2-36*x-40)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044488 6.38369 [ $-(35*x^7-30*x^6-36*x^5-36*x^4-36*x^3-36*x^2-36*x-41)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044491 4.92017 [  
 $(27*x^{18}-27*x^{17}-27*x^{11}+27*x^{10}+28*x^7+36*x^6+36*x^5+36*x^4+27*x^3+9*x^2+36*x+8)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044492 4.88693 [  
 $(26*x^{19}-26*x^{18}-26*x^{12}+26*x^{11}+27*x^7+36*x^6+36*x^5+36*x^4+22*x^3+14*x^2+36*x+9)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044493 4.72389 [  
 $(25*x^{20}-25*x^{19}-25*x^{13}+25*x^{12}+26*x^7+36*x^6+36*x^5+36*x^4+17*x^3+19*x^2+36*x+10)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044494 4.72389 [  
 $(24*x^{21}-24*x^{20}-24*x^{14}+24*x^{13}+25*x^7+36*x^6+36*x^5+36*x^4+12*x^3+24*x^2+36*x+11)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044497 5.02389 [  
 $(18*x^{21}-18*x^{20}-18*x^{15}+18*x^{14}+22*x^6+36*x^5+36*x^4+33*x^3+39*x^2+36*x+14)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A044519 7.70030 [ $-(6*x^7-55*x^6-49*x^5-49*x^4-49*x^3-49*x^2-49*x-49)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044520 5.98661 [ $-(13*x^8-12*x^7-49*x^6-49*x^5-49*x^4-49*x^3-49*x^2-49*x-50)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044521 6.01828 [ $-(20*x^8-18*x^7-49*x^6-49*x^5-49*x^4-49*x^3-49*x^2-49*x-51)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044522 6.01828 [ $-(27*x^8-24*x^7-49*x^6-49*x^5-49*x^4-49*x^3-49*x^2-49*x-52)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044523 6.01828 [ $-(34*x^8-30*x^7-49*x^6-49*x^5-49*x^4-49*x^3-49*x^2-49*x-53)/(x$

+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A044524 6.01828 [ -(41\*x^8-36\*x^7-49\*x^6-49\*x^5-49\*x^4-49\*x^3-49\*x^2-49\*x-54)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A044525 6.01828 [ -(48\*x^8-42\*x^7-49\*x^6-49\*x^5-49\*x^4-49\*x^3-49\*x^2-49\*x-55)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A044526 10.7345 [ -7\*(7\*x^8-7\*x^7-6\*x-1)/(x-1)^2 ogf]  
A044526 12.4473 (8+6\*x+49\*x^6+42\*x^8-91\*x^7)/(x-1)/(7\*x^8-7\*x^7-6\*x-1) lgdogf  
A044527 4.68012 [ (35\*x^16-35\*x^15-35\*x^9+35\*x^8+41\*x^7+49\*x^6+49\*x^5+49\*x^4+49\*x^3+44\*x^2+54\*x+8)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A044528 4.40426 [ (39\*x^20-39\*x^19-39\*x^12+39\*x^11+40\*x^8+49\*x^7+49\*x^6+49\*x^5+49\*x^4+38\*x^3+11\*x^2+49\*x+9)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A044556 5.95493 [ (12\*x^8+49\*x^7+17\*x^6+32\*x^5+49\*x^4+49\*x^3+49\*x^2+49\*x+37)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A044557 5.95493 [ (11\*x^8+49\*x^7+11\*x^6+38\*x^5+49\*x^4+49\*x^3+49\*x^2+49\*x+38)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A044558 6.00583 [ (10\*x^8+49\*x^7+5\*x^6+44\*x^5+49\*x^4+49\*x^3+49\*x^2+49\*x+39)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A044561 6.00583 [ (7\*x^8+36\*x^7+13\*x^6+49\*x^5+49\*x^4+49\*x^3+49\*x^2+49\*x+42)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A044562 6.00583 [ (6\*x^8+30\*x^7+19\*x^6+49\*x^5+49\*x^4+49\*x^3+49\*x^2+49\*x+43)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A044563 6.03778 [ (5\*x^8+24\*x^7+25\*x^6+49\*x^5+49\*x^4+49\*x^3+49\*x^2+49\*x+44)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A044564 6.03778 [ (4\*x^8+18\*x^7+31\*x^6+49\*x^5+49\*x^4+49\*x^3+49\*x^2+49\*x+45)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A044565 6.03778 [ (3\*x^8+12\*x^7+37\*x^6+49\*x^5+49\*x^4+49\*x^3+49\*x^2+49\*x+46)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A044566 6.08983 [ (2\*x^8+6\*x^7+43\*x^6+49\*x^5+49\*x^4+49\*x^3+49\*x^2+49\*x+47)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A044567 18.0790 [ (x+48)/(x-1)^2 ogf]  
A044567 25.5072 -(-24-x+(576+49\*x)^(1/2))/(-1+x) revogf  
A044567 40.8116 -(97+x)/(x+48)/(x-1) lgdogf  
A044567 9.90038 [{-a(n+2)+2\*a(n+1)-a(n), a(0) = 48, a(1) = 97}, ogf]  
A044568 5.89591 [ -(7\*x^8-71\*x^7-64\*x^6-64\*x^5-64\*x^4-64\*x^3-64\*x^2-64\*x-64)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A044569 5.36041 [ - (15\*x^9-14\*x^8-64\*x^7-64\*x^6-64\*x^5-64\*x^4-64\*x^3-64\*x^2-64\*x-65)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044570 5.36041 [ - (23\*x^9-21\*x^8-64\*x^7-64\*x^6-64\*x^5-64\*x^4-64\*x^3-64\*x^2-64\*x-66)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044571 5.36041 [ - (31\*x^9-28\*x^8-64\*x^7-64\*x^6-64\*x^5-64\*x^4-64\*x^3-64\*x^2-64\*x-67)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044572 5.36041 [ - (39\*x^9-35\*x^8-64\*x^7-64\*x^6-64\*x^5-64\*x^4-64\*x^3-64\*x^2-64\*x-68)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044573 6.46083 [ - (47\*x^9-42\*x^8-64\*x^7-64\*x^6-64\*x^5-64\*x^4-64\*x^3-64\*x^2-64\*x-69)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044574 5.36041 [ - (55\*x^9-49\*x^8-64\*x^7-64\*x^6-64\*x^5-64\*x^4-64\*x^3-64\*x^2-64\*x-70)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044575 5.36041 [ - (63\*x^9-56\*x^8-64\*x^7-64\*x^6-64\*x^5-64\*x^4-64\*x^3-64\*x^2-64\*x-71)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A044576 10.6632 [ -8\*(8\*x^9-8\*x^8-7\*x-1)/(x-1)^2 ogf]  
A044576 12.1398 (9+7\*x+56\*x^9-120\*x^8+64\*x^7)/(x-1)/(8\*x^9-8\*x^8-7\*x-1) lgdogf  
A044577 4.35099 [ (48\*x^18-48\*x^17-48\*x^10+48\*x^9+55\*x^8+64\*x^7+64\*x^6+64\*x^5+64\*x^4+64\*x^3+58\*x^2

$(48*x^{18}-48*x^{17}-48*x^{10}+48*x^9+55*x^8+64*x^7+64*x^6+64*x^5+64*x^4+64*x^3+58*x^2+70*x+9)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044605 5.48332 [  $(27*x^9+64*x^8+64*x^7+54*x^6+10*x^5+64*x^4+64*x^3+64*x^2+64*x+37)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044606 5.48332 [  $(26*x^9+64*x^8+64*x^7+47*x^6+17*x^5+64*x^4+64*x^3+64*x^2+64*x+38)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044607 5.48332 [  $(25*x^9+64*x^8+64*x^7+40*x^6+24*x^5+64*x^4+64*x^3+64*x^2+64*x+39)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044608 5.51233 [  $(24*x^9+64*x^8+64*x^7+33*x^6+31*x^5+64*x^4+64*x^3+64*x^2+64*x+40)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044609 5.51233 [  $(23*x^9+64*x^8+64*x^7+26*x^6+38*x^5+64*x^4+64*x^3+64*x^2+64*x+41)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044610 5.51233 [  $(22*x^9+64*x^8+64*x^7+19*x^6+45*x^5+64*x^4+64*x^3+64*x^2+64*x+42)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044611 5.51233 [  $(21*x^9+64*x^8+64*x^7+12*x^6+52*x^5+64*x^4+64*x^3+64*x^2+64*x+43)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044612 5.55573 [  $(20*x^9+64*x^8+64*x^7+5*x^6+59*x^5+64*x^4+64*x^3+64*x^2+64*x+44)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044613 5.84594 [  $(19*x^8+64*x^7+62*x^6+66*x^5+64*x^4+64*x^3+64*x^2+64*x+45)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044614 5.55573 [  $(18*x^9+64*x^8+55*x^7+9*x^6+64*x^5+64*x^4+64*x^3+64*x^2+64*x+46)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044615 5.51233 [  $(17*x^9+64*x^8+48*x^7+16*x^6+64*x^5+64*x^4+64*x^3+64*x^2+64*x+47)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044616 5.51233 [  $(16*x^9+64*x^8+41*x^7+23*x^6+64*x^5+64*x^4+64*x^3+64*x^2+64*x+48)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044617 5.51233 [  $(15*x^9+64*x^8+34*x^7+30*x^6+64*x^5+64*x^4+64*x^3+64*x^2+64*x+49)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044618 5.51233 [  $(14*x^9+64*x^8+27*x^7+37*x^6+64*x^5+64*x^4+64*x^3+64*x^2+64*x+50)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044619 5.51233 [  $(13*x^9+64*x^8+20*x^7+44*x^6+64*x^5+64*x^4+64*x^3+64*x^2+64*x+51)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044620 5.51233 [  $(12*x^9+64*x^8+13*x^7+51*x^6+64*x^5+64*x^4+64*x^3+64*x^2+64*x+52)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044621 5.55573 [  $(11*x^9+64*x^8+6*x^7+58*x^6+64*x^5+64*x^4+64*x^3+64*x^2+64*x+53)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044622 5.84594 [  $(10*x^8+63*x^7+65*x^6+64*x^5+64*x^4+64*x^3+64*x^2+64*x+54)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044623 5.89591 [  $(9*x^8+56*x^7+72*x^6+64*x^5+64*x^4+64*x^3+64*x^2+64*x+55)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044624 5.55573 [  $(8*x^9+49*x^8+15*x^7+64*x^6+64*x^5+64*x^4+64*x^3+64*x^2+64*x+56)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044625 5.55573 [  $(7*x^9+42*x^8+22*x^7+64*x^6+64*x^5+64*x^4+64*x^3+64*x^2+64*x+57)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044626 5.55573 [  $(6*x^9+35*x^8+29*x^7+64*x^6+64*x^5+64*x^4+64*x^3+64*x^2+64*x+58)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044627 5.55573 [  $(5*x^9+28*x^8+36*x^7+64*x^6+64*x^5+64*x^4+64*x^3+64*x^2+64*x+59)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044628 5.55573 [  $(4*x^9+21*x^8+43*x^7+64*x^6+64*x^5+64*x^4+64*x^3+64*x^2+64*x+60)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044629 5.40261 [  $(3*x^9+14*x^8+50*x^7+64*x^6+64*x^5+64*x^4+64*x^3+64*x^2+64*x+61)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044630 5.44549 [  $(2*x^9+7*x^8+57*x^7+64*x^6+64*x^5+64*x^4+64*x^3+64*x^2+64*x+62)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044631 18.0612 [  $(x+63)/(x-1)^2$  ogf]  
A044631 20.3875  $-1/2*(-63-2*x+(3969+256*x)^{(1/2)})/(-1+x)$  revogf  
A044631 38.8333  $-(127+x)/(x+63)/(x-1)$  lgdogf  
A044631 9.77429 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 63, a(1) = 127\}$ , ogf]  
A044632 5.33669 [  $-(8*x^9-89*x^8-81*x^7-81*x^6-81*x^5-81*x^4-81*x^3-81*x^2-81*x-81)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]

A044633 4.84960 [ -  
 $(17x^{10}-16x^9-81x^8-81x^7-81x^6-81x^5-81x^4-81x^3-81x^2-81x-82)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A044634 4.84960 [ -  
 $(26x^{10}-24x^9-81x^8-81x^7-81x^6-81x^5-81x^4-81x^3-81x^2-81x-83)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A044635 4.84960 [ -  
 $(35x^{10}-32x^9-81x^8-81x^7-81x^6-81x^5-81x^4-81x^3-81x^2-81x-84)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A044636 4.84960 [ -  
 $(44x^{10}-40x^9-81x^8-81x^7-81x^6-81x^5-81x^4-81x^3-81x^2-81x-85)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A044637 4.84960 [ -  
 $(53x^{10}-48x^9-81x^8-81x^7-81x^6-81x^5-81x^4-81x^3-81x^2-81x-86)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A044638 4.84960 [ -  
 $(62x^{10}-56x^9-81x^8-81x^7-81x^6-81x^5-81x^4-81x^3-81x^2-81x-87)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A044639 4.84960 [ -  
 $(71x^{10}-64x^9-81x^8-81x^7-81x^6-81x^5-81x^4-81x^3-81x^2-81x-88)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A044640 4.84960 [ -  
 $(80x^{10}-72x^9-81x^8-81x^7-81x^6-81x^5-81x^4-81x^3-81x^2-81x-89)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A044641 10.3143 [  $-9*(9x^{10}-9x^9-8x-1)/(x-1)^2$  ogf ]  
A044641 11.3065  $(10-153x^9+8x+72x^{10}+81x^8)/(x-1)/(9x^{10}-9x^9-8x-1)$   
lgdogf  
A044667 4.84960 [   
 $(46x^{10}+81x^9+81x^8+81x^7+81x^6+36x^5+45x^4+81x^3+81x^2+81x+35)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A044668 4.84960 [   
 $(45x^{10}+81x^9+81x^8+81x^7+81x^6+28x^5+53x^4+81x^3+81x^2+81x+36)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A044669 4.84960 [   
 $(44x^{10}+81x^9+81x^8+81x^7+81x^6+20x^5+61x^4+81x^3+81x^2+81x+37)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A044670 4.84960 [   
 $(43x^{10}+81x^9+81x^8+81x^7+81x^6+12x^5+69x^4+81x^3+81x^2+81x+38)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A044671 4.88475 [   
 $(42x^{10}+81x^9+81x^8+81x^7+81x^6+4x^5+77x^4+81x^3+81x^2+81x+39)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A044672 5.29499 [  $(41x^9+81x^8+81x^7+81x^6+77x^5+85x^4+81x^3+81x^2+81x+40)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf ]  
A044673 4.84960 [   
 $(40x^{10}+81x^9+81x^8+81x^7+69x^6+12x^5+81x^4+81x^3+81x^2+81x+41)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A044674 4.84960 [   
 $(39x^{10}+81x^9+81x^8+81x^7+61x^6+20x^5+81x^4+81x^3+81x^2+81x+42)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A044675 4.84960 [   
 $(38x^{10}+81x^9+81x^8+81x^7+53x^6+28x^5+81x^4+81x^3+81x^2+81x+43)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A044676 4.84960 [   
 $(37x^{10}+81x^9+81x^8+81x^7+45x^6+36x^5+81x^4+81x^3+81x^2+81x+44)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A044677 4.84960 [   
 $(36x^{10}+81x^9+81x^8+81x^7+37x^6+44x^5+81x^4+81x^3+81x^2+81x+45)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A044678 4.84960 [   
 $(35x^{10}+81x^9+81x^8+81x^7+29x^6+52x^5+81x^4+81x^3+81x^2+81x+46)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]

$(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044679 4.84960 [
   
 $(34x^{10}+81x^9+81x^8+81x^7+21x^6+60x^5+81x^4+81x^3+81x^2+81x+47)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044680 4.84960 [
   
 $(33x^{10}+81x^9+81x^8+81x^7+13x^6+68x^5+81x^4+81x^3+81x^2+81x+48)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044681 4.88475 [
   
 $(32x^{10}+81x^9+81x^8+81x^7+5x^6+76x^5+81x^4+81x^3+81x^2+81x+49)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044682 5.29499 [
   
 $(31x^9+81x^8+81x^7+78x^6+84x^5+81x^4+81x^3+81x^2+81x+50)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]
   
A044683 4.84960 [
   
 $(30x^{10}+81x^9+81x^8+70x^7+11x^6+81x^5+81x^4+81x^3+81x^2+81x+51)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044684 4.84960 [
   
 $(29x^{10}+81x^9+81x^8+62x^7+19x^6+81x^5+81x^4+81x^3+81x^2+81x+52)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044685 4.84960 [
   
 $(28x^{10}+81x^9+81x^8+54x^7+27x^6+81x^5+81x^4+81x^3+81x^2+81x+53)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044686 4.84960 [
   
 $(27x^{10}+81x^9+81x^8+46x^7+35x^6+81x^5+81x^4+81x^3+81x^2+81x+54)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044687 4.84960 [
   
 $(26x^{10}+81x^9+81x^8+38x^7+43x^6+81x^5+81x^4+81x^3+81x^2+81x+55)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044688 4.84960 [
   
 $(25x^{10}+81x^9+81x^8+30x^7+51x^6+81x^5+81x^4+81x^3+81x^2+81x+56)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044689 4.84960 [
   
 $(24x^{10}+81x^9+81x^8+22x^7+59x^6+81x^5+81x^4+81x^3+81x^2+81x+57)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044690 4.84960 [
   
 $(23x^{10}+81x^9+81x^8+14x^7+67x^6+81x^5+81x^4+81x^3+81x^2+81x+58)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044691 4.88475 [
   
 $(22x^{10}+81x^9+81x^8+6x^7+75x^6+81x^5+81x^4+81x^3+81x^2+81x+59)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044692 5.29499 [
   
 $(21x^9+81x^8+79x^7+83x^6+81x^5+81x^4+81x^3+81x^2+81x+60)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]
   
A044693 4.84960 [
   
 $(20x^{10}+81x^9+71x^8+10x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+61)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044694 4.84960 [
   
 $(19x^{10}+81x^9+63x^8+18x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+62)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044695 4.84960 [
   
 $(18x^{10}+81x^9+55x^8+26x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+63)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044696 4.84960 [
   
 $(17x^{10}+81x^9+47x^8+34x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+64)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044697 4.84960 [
   
 $(16x^{10}+81x^9+39x^8+42x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+65)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044698 4.84960 [
   
 $(15x^{10}+81x^9+31x^8+50x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+66)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
A044699 4.84960 [
   
 $(14x^{10}+81x^9+23x^8+58x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+67)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]

$(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044700 4.84960 [  
 $(13x^{10}+81x^9+15x^8+66x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+68)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044701 4.88475 [  
 $(12x^{10}+81x^9+7x^8+74x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+69)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044702 5.29499 [  
 $(11x^9+80x^8+82x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+70)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044703 5.29499 [  
 $(10x^9+72x^8+90x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+71)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044704 4.88475 [  
 $(9x^{10}+64x^9+17x^8+81x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+72)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044705 4.88475 [  
 $(8x^{10}+56x^9+25x^8+81x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+73)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044706 4.88475 [  
 $(7x^{10}+48x^9+33x^8+81x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+74)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044707 4.88475 [  
 $(6x^{10}+40x^9+41x^8+81x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+75)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044708 4.88475 [  
 $(5x^{10}+32x^9+49x^8+81x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+76)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044709 5.90308 [  
 $(4x^{10}+32x^9+49x^8+81x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+77)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044710 4.88475 [  
 $(3x^{10}+16x^9+65x^8+81x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+78)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044711 4.92040 [  
 $(2x^{10}+8x^9+73x^8+81x^7+81x^6+81x^5+81x^4+81x^3+81x^2+81x+79)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044712 14.7339 [  
 $(x+80)/(x-1)^2$  ogf]  
A044712 20.0941  $-(-40-x+(1600+81x)^{1/2})/(-1+x)$  revogf  
A044712 31.5764  $-(161+x)/(x+80)/(x-1)$  lgdogf  
A044712 7.97364 [  
 $\{-a(n+2)+2a(n+1)-a(n), a(0) = 80, a(1) = 161\}$ , ogf]  
A044713 4.52241 [  
 $-$   
 $(9x^{10}-109x^9-100x^8-100x^7-100x^6-100x^5-100x^4-100x^3-100x^2-100x-100)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044723 10.6418  $(11+9x+90x^{11}-190x^{10}+100x^9)/(x-1)/(10x^{11}-10x^{10}-9x-1)$  lgdogf  
A044723 9.92878 [  
 $-10*(10x^{11}-10x^{10}-9x-1)/(x-1)^2$  ogf]  
A044757 4.66045 [  
 $(56x^{10}+100x^9+100x^8+100x^7+100x^6+95x^5+105x^4+100x^3+100x^2+100x+44)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044768 4.66045 [  
 $(45x^{10}+100x^9+100x^8+100x^7+96x^6+104x^5+100x^4+100x^3+100x^2+100x+55)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044779 4.66045 [  
 $(34x^{10}+100x^9+100x^8+97x^7+103x^6+100x^5+100x^4+100x^3+100x^2+100x+66)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044790 4.66045 [  
 $(23x^{10}+100x^9+98x^8+102x^7+100x^6+100x^5+100x^4+100x^3+100x^2+100x+77)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044801 4.66045 [  
 $(12x^{10}+99x^9+101x^8+100x^7+100x^6+100x^5+100x^4+100x^3+100x^2+100x+88)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044802 4.66045 [



$(11*x^{10}+90*x^9+110*x^8+100*x^7+100*x^6+100*x^5+100*x^4+100*x^3+100*x^2+100*x+89)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044812 14.8932 [  $(x+99)/(x-1)^2$  ogf]  
A044812 16.7608  $-1/2*(-99-2*x+(9801+400*x)^{1/2})/(-1+x)$  revogf  
A044812 31.9253  $-(199+x)/(x+99)/(x-1)$  lgdogf  
A044812 8.05984 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 99, a(1) = 199\}$ , ogf]  
A044833 7.31797 [  $8*(43*x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044834 6.67000 [  $9*(57*x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044835 5.66319 [  $10*(73*x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A044836 5.20949 [  $11*(91*x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044837 4.84002 [  $12*(111*x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044838 4.51949 [  $13*(133*x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A044839 4.21586 [  $14*(157*x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A044840 3.96932 [  $15*(183*x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A044841 3.72964 [  $16*(211*x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf]  
A044885 4.31437 [  $-(2575*x^{15}+32901*x^{14}-35686*x^{13}+35672*x^2-32941*x-2745)/(x^{14}+13*x^{13}+13*x+1)/(x-1)^2$  ogf]  
A044909 4.18338 [  $-(56*x^{15}-8*x^{14}-8*x^{13}-8*x^{12}-8*x^{11}-8*x^{10}-8*x^9-8*x^8-57*x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A044940 19.1778  $10*x^9*(-10+71*x^{51})/(-10+10*x^{10}+71*x^{51})$  lgdogf  
A044941 14.1310  $-11*x^{10}/(x-1)/(1+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x)$  lgdogf  
A044941 14.6607 [  $-x^{10}/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A044941 25.1863 [  $[x^{10}]$  ogf\_with\_Euler\_transform]  
A045213 4.48710 [  $-(620*x^{10}-16*x^9-80*x^8-400*x^7-149*x^6-80*x^5-16*x^4-384*x^3-16*x^2-80*x-2524)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A045379 18.0880  $-a(n)+(n+1)*a(n+1), a(0)=5, a(1)=1$  lgdegf  
A045445 13.1953  $-2*((x-1)^{1/2}*(5*x-1)^{1/2}+1)/(x-1)^{1/2}/(5*x-1)^{1/2}/x$  lgdogf  
A045445 4.50277 [  $\{(-5*n^2-25*n-30)*a(n+1)+(6*n^2+39*n+63)*a(n+2)+(-n^2-8*n-12)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A045492 9.41169  $-19+400*x+(1-44*x+160*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$  lgdogf  
A045496 7.54827  $(1+4*x+2009*x^8-3646*x^7+1380*x^6+218*x^5-37*x^4+80*x^3-8*x^2)/(x-1)/(287*x^8-225*x^7-39*x^6-4*x^5-19*x^4+2*x^3-2*x^2-1)$  lgdogf  
A045496 9.72727 [  $(287*x^8-225*x^7-39*x^6-4*x^5-19*x^4+2*x^3-2*x^2-1)/(x-1)$  ogf]  
A045497 10.1548 [  $(288*x^8-225*x^7-39*x^6-24*x^4+3*x^3-2*x^2-x-1)/(x-1)$  ogf]  
A045497 7.67621  $(2+4*x+2016*x^8-3654*x^7+1380*x^6+234*x^5-72*x^4+102*x^3-11*x^2)/(x-1)/(288*x^8-225*x^7-39*x^6-24*x^4+3*x^3-2*x^2-x-1)$  lgdogf  
A045502 12.3850  $-3*(33-66*x+x^2)/(x-1)/(x^2-98*x+1)$  lgdogf  
A045502 12.8632 [  $-40*x/(x-1)/(x^2-98*x+1)$  ogf]  
A045502 5.27722 [  $\{a(n+3)-99*a(n+2)+99*a(n+1)-a(n), a(0) = 0, a(1) = 40, a(2) = 3960\}$ , ogf]  
A045505 2.96027 [  $\{(-16*n^2-216*n-728)*a(n+1)+(8*n^2+82*n+174)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 21, a(2) = 262\}$ , ogf]  
A045505 9.62201  $-21+484*x+(1-48*x+176*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$  lgdogf  
A045506 12.8686 [  $-(x^3-2*x^2-3*x+1)/(x+1)/(x-1)^2$  ogf]  
A045506 18.6211  $(2+4*x+x^3+5*x^2)/(x-1)/(x+1)/(x^3-2*x^2-3*x+1)$  lgdogf  
A045506 6.72679 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = -1, a(1) = 2, a(2) = 3, a(3) = 5\}$ , ogf]

A045530 3.02359 [ $\{(-16n^2-232n-840)a(n+1)+(8n^2+86n+186)a(n+2)+(-n^2-7n-12)a(n+3), a(0) = 1, a(1) = 23, a(2) = 310\}$ , ogf]  
A045530 9.83233  $-23+576x+(1-52x+192x^2)*f(x)+(-8x^2+16x^3+x)*f(x)^2$  lgdogf  
A045543 46.1296  $-24/(-1+4x)$  lgdogf  
A045543 5.33332 [ $\{(-n-2)a(n+2)+(28+4n)a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A045543 7.06665 [ $1/(4x-1)^6$  ogf]  
A045572 11.0950 [ $(x^4+2x^3+4x^2+2x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A045572 9.20667  $-(3+11x+5x^6+15x^5+13x^2+17x^3+15x^4+x^7)/(x-1)/(x+1)/(x^2+1)/(x^4+2x^3+4x^2+2x+1)$  lgdogf  
A045618 13.1328 [ $1/(2x-1)^2/(x-1)^2$  ogf]  
A045618 26.2577  $-2*(-3+4x)/(2x-1)/(x-1)$  lgdogf  
A045618 4.37759 [ $\{(-n-3)a(n+3)+(12+3n)a(n+2)+(-10-2n)a(n+1), a(0) = 1, a(1) = 6, a(2) = 23\}$ , ogf]  
A045621 3.69175 [ $\{(-8n-16)a(n+1)+(4n+8)a(n+2)+(2n+10)a(n+3)+(-n-5)a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 5\}$ , ogf]  
A045622 3.07108 [ $\{(-16n^2-248n-960)a(n+1)+(8n^2+90n+198)a(n+2)+(-n^2-7n-12)a(n+3), a(0) = 1, a(1) = 25, a(2) = 362\}$ , ogf]  
A045622 9.99006  $-25+676x+(1-56x+208x^2)*f(x)+(-8x^2+16x^3+x)*f(x)^2$  lgdogf  
A045623 12.7064 [ $(x-1)^2/(2x-1)^2$  ogf]  
A045623 41.2395  $2/(-1+2x)/(x-1)$  lgdogf  
A045623 6.60233 [ $\{-a(n+3)+4a(n+2)-4a(n+1), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A045624 13.0665  $1/4*((17x+1)^{1/4}-(x+1)^{1/4})/(17x+1)^{1/4}$  revogf  
A045624 7.28033 [ $-(2x-1)*(8x^2-4x+1)/(272x^4-272x^3+102x^2-17x+1)$  ogf]  
A045626 6.70788 [ $-(2x^4+x^3-2x^2-3x+1)/(x+1)/(x^4-2x^3+x^2-2x+1)$  ogf]  
A045635 3.36709 [ $\{(-5n^2-25n-30)a(n+1)+(6n^2+39n+63)a(n+2)+(-n^2-8n-7)a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A045635 9.77228  $-3*((x-1)^{1/2}*(5x-1)^{1/2}+1)/(x-1)^{1/2}/(5x-1)^{1/2}/x$  lgdogf  
A045651 4.79840 [ $(x^8+8x^7+28x^6+56x^5+198x^4+56x^3+28x^2+8x+1)/(x-1)^8$  ogf]  
A045651 5.09077  $-16*(x+1)*(x^6+6x^5+15x^4+52x^3+15x^2+6x+1)/(x-1)/(x^8+8x^7+28x^6+56x^5+198x^4+56x^3+28x^2+8x+1)$  lgdogf  
A045694 3.32831 [ $(281x^{13}-3677x^{12}-1132x^{11}-699x^9+183x^8-172x^7-208x^5+574x^4+122x^3+61x-61)/(3x-1)/(3677x^{12}-183x^8-574x^4+61)$  ogf]  
A045720 10.9029  $-27+144x+(3-36x+96x^2)*f(x)+(-8x^2+16x^3+x)*f(x)^2$  lgdogf  
A045720 3.32623 [ $\{(-16n^2-136n-288)a(n+1)+(8n^2+70n+144)a(n+2)+(-n^2-9n-18)a(n+3), a(0) = 1, a(1) = 9, a(2) = 57\}$ , ogf]  
A045721 10.3409 [hypergeom([2/3, 4/3],[3/2],27/4\*x) ogf]  
A045721 12.2415  $1/2*(1+27x^2+((9x^2+2x+1)*(9x-1)^2)^{1/2})*x$  revogf  
A045721 4.72260 [ $\{(-27n^2-108n-105)a(n+1)+(4n^2+18n+20)a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A045724 3.06016 [ $\{(-16n^2-168n-440)a(n+1)+(8n^2+70n+138)a(n+2)+(-n^2-7n-12)a(n+3), a(0) = 1, a(1) = 15, a(2) = 142\}$ , ogf]  
A045724 9.95010  $-15+256x+(1-36x+128x^2)*f(x)+(-8x^2+16x^3+x)*f(x)^2$  lgdogf  
A045736 4.65080 [ $(400x^{11}-50x^{10}-350x^9-600x^8-50x^7-16x^6-34x^5-50x^4-16x^3-4x^2-6x-1)/(x-1)/(1000x^{11}-1)$  ogf]  
A045737 4.37942 [ $\{(-27n^2-81n-60)a(n+1)+(4n^2+14n)a(n+2), a(0) = 0, a(1) = 0, a(2) = 3\}$ , ogf]  
A045737 8.13321 [ $3x^2*$ hypergeom([7/3, 8/3],[9/2],27/4\*x) ogf]  
A045741 6.01552  $1/216*(6*(12x^2+12x+1)^{1/2}*x^2-3*(12x^2+12x+1)^{1/2}*x-(12x^2+12x+1)^{1/2}+9x+1)/x^3$  revogf  
A045743 28.7707  $-x*(x^2-1-x)/(x+1)^4$  revogf  
A045744 28.7590  $-x*(x^3-1-x)/(x+1)^5$  revogf  
A045754 11.8825  $-1/7*(1-6x)^{1/6}+6/7*(1-6x)^{1/6}*x+1/7$  revegef  
A045754 33.2711  $-1+(1-7x)*f(x)$  lgdegf  
A045754 5.79724 [ $\{(-7n-8)a(n+1)+a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A045755 12.1466  $-1/8*(1-7x)^{1/7}+7/8*(1-7x)^{1/7}*x+1/8$  revegef  
A045755 34.0104  $-1+(1-8x)*f(x)$  lgdegf  
A045755 5.92326 [ $\{(-8n-9)a(n+1)+a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]

A045756 27.0504  $-10+(1-9*x)*f(x)$  lgdegf  
A045756 4.92624  $[ \{ (-9*n-19)*a(n+1)+a(n+2), a(0) = 1, a(1) = 10 \}, ogf ]$   
A045756 6.76259  $1/9*(x^2+3*x+3)*(x^6+6*x^5+15*x^4+21*x^3+18*x^2+9*x+3)*x/(x+1)^9$   
revegf  
A045757 25.6144  $-11+(1-10*x)*f(x)$  lgdegf  
A045757 4.90111  $[ \{ (-10*n-21)*a(n+1)+a(n+2), a(0) = 1, a(1) = 11 \}, ogf ]$   
A045757 6.13303  $1/10*x*(x+2)*(x^4+3*x^3+4*x^2+2*x+1)*(x^4+5*x^3+10*x^2+10*x+5)/$   
 $(x+1)^{10}$  revegf  
A045785 4.84259 [ -  
 $(16965*x^{16}-34104*x^{15}+17139*x^{14}+1647*x^6-3348*x^5+1701*x^4+171*x^3-344*x^2+150$   
 $*x+25)/(x-1)^3$  ogf ]  
A045786 5.27141 [ -  
 $(25960*x^{14}-52140*x^{13}+26180*x^{12}+2555*x^5-5180*x^4+2878*x^3-503*x^2+216*x+36)/$   
 $(x-1)^3$  ogf ]  
A045794 5.94171  $-(1-4*x^9+18*x^8+12*x^6+9*x^2+2*x$   
 $+8*x^4+6*x^3+2*x^{15}-3*x^{14}+4*x^{13}-x^{12}+8*x^{10}-2*x^7)/(x^7-x^6+x^5+x^2+x+1)/$   
 $(x^9+x^6+3*x^3-1)$  lgdogf  
A045794 8.51200 [  $-(x^7-x^6+x^5+x^2+x+1)/(x^9+x^6+3*x^3-1)$  ogf ]  
A045797 10.7296 [  $(11*x^4+2*x^3+4*x^2+2*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A045797 8.37489  $-(3+11*x+15*x^6+25*x^5+13*x^2+57*x^3+25*x^4+11*x^7)/(x-1)/(x+1)/$   
 $(x^2+1)/(11*x^4+2*x^3+4*x^2+2*x+1)$  lgdogf  
A045798 7.94497  $-(13+21*x+5*x^6+x^7+23*x^2+67*x^3+15*x^4+15*x^5)/(x-1)/(x+1)/$   
 $(1+x^2)/(x^4+2*x^3+4*x^2+2*x+1)$  lgdogf  
A045798 9.67547 [  $(x^4+2*x^3+4*x^2+2*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A045800 10.2505 [  $(51*x^4+6*x^3+36*x^2+6*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A045800 7.78569  $-(7+79*x+63*x^6+165*x^5+61*x^2+257*x^3+117*x^4+51*x^7)/(x-1)/(x$   
 $+1)/(x^2+1)/(51*x^4+6*x^3+36*x^2+6*x+1)$  lgdogf  
A045801 10.0940 [  $(23*x^4+4*x^3+34*x^2+28*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A045801 7.56570  $-(39+107*x+129*x^5+173*x^4+213*x^3+23*x^7+31*x^6+85*x^2)/(x-1)/$   
 $(1+x)/(23*x^4+4*x^3+34*x^2+28*x+1)/(x^2+1)$  lgdogf  
A045802 10.1712 [  $(53*x^4+18*x^3+8*x^2+18*x+3)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A045802 7.74808  $-(21+37*x+95*x^5+151*x^4+271*x^3+89*x^6+53*x^7+83*x^2)/(x-1)/(x$   
 $+1)/(53*x^4+18*x^3+8*x^2+18*x+3)/(x^2+1)$  lgdogf  
A045803 10.2202 [  $(67*x^4+2*x^3+12*x^2+2*x+17)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A045803 7.78606  $-(19+43*x+105*x^5+89*x^4+369*x^3+67*x^7+71*x^6+37*x^2)/(x-1)/$   
 $(1+x)/(x^2+1)/(67*x^4+2*x^3+12*x^2+2*x+17)$  lgdogf  
A045804 10.0457 [  $(13*x^4+24*x^3+22*x^2+32*x+9)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A045804 7.52879  $-(41+85*x+103*x^5+187*x^4+175*x^3+61*x^6+13*x^7+135*x^2)/(x-1)/$   
 $(x+1)/(x^2+1)/(13*x^4+24*x^3+22*x^2+32*x+9)$  lgdogf  
A045805 10.3495 [  $(x^4+6*x^3+36*x^2+6*x+51)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A045805 8.10065  $-(57+129*x+115*x^5+67*x^4+307*x^3+x^7+13*x^6+111*x^2)/(x-1)/$   
 $(1+x)/(x^2+1)/(x^4+6*x^3+36*x^2+6*x+51)$  lgdogf  
A045806 10.0940 [  $(11*x^4+28*x^3+34*x^2+4*x+23)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A045806 7.63775  $-(27+95*x+141*x^5+89*x^4+225*x^3+11*x^7+67*x^6+145*x^2)/(x-1)/$   
 $(1+x)/(x^2+1)/(23+4*x+34*x^2+28*x^3+11*x^4)$  lgdogf  
A045807 10.2202 [  $(3*x^4+18*x^3+8*x^2+18*x+53)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A045807 7.78606  $-(71+87*x+45*x^5+101*x^4+321*x^3+3*x^7+39*x^6+133*x^2)/(x-1)/$   
 $(1+x)/(3*x^4+18*x^3+8*x^2+18*x+53)/(x^2+1)$  lgdogf  
A045808 10.2202 [  $(17*x^4+2*x^3+12*x^2+2*x+67)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A045808 7.86239  $-(69+93*x+55*x^5+39*x^4+419*x^3+17*x^7+21*x^6+87*x^2)/(x-1)/$   
 $(1+x)/(x^2+1)/(67+2*x+12*x^2+2*x^3+17*x^4)$  lgdogf  
A045809 10.0940 [  $(9*x^4+32*x^3+22*x^2+24*x+13)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A045809 7.63775  $-(37+81*x+107*x^5+159*x^4+179*x^3+9*x^7+73*x^6+155*x^2)/(x-1)/$   
 $(1+x)/(x^2+1)/(9*x^4+32*x^3+22*x^2+24*x+13)$  lgdogf  
A045820 9.28723 [  $-(8*x^2-4*x+12)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform ]  
A045821 8.22231  $-(1-2*x-5*x^2+20*x^3-5*x^4-2*x^5+x^6)/(x^3-x^2-3*x+1)/$   
 $(x^4-2*x^3-2*x^2-2*x+1)$  lgdogf  
A045821 8.35214 [  $-(x^3-x^2-3*x+1)/(x^4-2*x^3-2*x^2-2*x+1)$  ogf ]  
A045822 8.74411 [  $-(8*x^2-4*x+12)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform ]  
A045828 15.3989 [  $-(3*x^2+x+2)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform ]  
A045829 10.5405  $-4*((5*x-1)^{(1/2)}*(x-1)^{(1/2)}+1)/(5*x-1)^{(1/2)}/(x-1)^{(1/2)}/x$

lgdogf  
 A045829 3.47328 [  $\{(-5n^2-25n-30)a(n+1)+(6n^2+39n+63)a(n+2)+(-n^2-8n)a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
 A045831 15.5668 [  $\{-(-3x^2-2x-1)/(x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
 A045833 10.6739 [  $\{-(-2x^5-x^2)/(x^6+x^3+1)$  ogf\_with\_Euler\_transform]  
 A045834 14.7467 [  $\{-(3x^2-x+4)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
 A045836 4.94293 [  $\{-(-3x^6-x^5-4x^4-2x^3-x^2+x-2)/(x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
 A045855 6.37558  $(4+8x+5x^3+102x^8-221x^7+119x^6-15x^2+1100x^{19}-2145x^{20}+1045x^{21})/(x-1)/(55x^{21}-55x^{20}+17x^8-17x^7+5x^3-3x^2-2x-1)$  lgdogf  
 A045855 8.53532 [  $\{-(55x^{21}-55x^{20}+17x^8-17x^7+5x^3-3x^2-2x-1)/(x-1)^2$  ogf]  
 A045862 7.75330 [  $\{-(595x^{25}-595x^{24}+188x^8-188x^7+60x^3-41x^2-11x-9)/(x-1)^2$  ogf]  
 A045863 7.11200 [  $\{-(632x^{26}-632x^{25}+200x^9-200x^8+63x^4-63x^3+26x^2-24x-3)/(x-1)^2$  ogf]  
 A045868 14.1889  $((x-1)^{(1/2)}(5x-1)^{(1/2)}-x+1)/x/(x-1)^{(3/2)}/(5x-1)^{(1/2)}$  lgdogf  
 A045868 4.04918 [  $\{(5n^2+5n)a(n)+(-11n^2-40n-29)a(n+1)+(7n^2+43n+64)a(n+2)+(-n^2-8n-15)a(n+3), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
 A045873 18.0610 [  $x/(5x^2-2x+1)$  ogf]  
 A045873 26.5175  $-2*(5x-1)/(5x^2+1-2x)$  lgdogf  
 A045873 7.35817 [  $\{a(n+2)-2a(n+1)+5a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
 A045883 24.5815 [  $x/(x+1)/(2x-1)^2$  ogf]  
 A045883 26.2573  $-3*(2x+1)/(x+1)/(-1+2x)$  lgdogf  
 A045883 8.72247 [  $\{a(n+3)-3a(n+2)+4a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$ , ogf]  
 A045886 3.35475 [  $\{-(81x^4-81x^3-1)/(3x-1)/(x-1)$  ogf]  
 A045889 11.5943 [  $-1/(2x-1)^2/(x-1)^3$  ogf]  
 A045889 25.4439  $-(-7+10x)/(-1+2x)/(x-1)$  lgdogf  
 A045889 4.24366 [  $\{(-n-3)a(n+3)+(13+3n)a(n+2)+(-12-2n)a(n+1), a(0) = 1, a(1) = 7, a(2) = 30\}$ , ogf]  
 A045890 12.6187  $3/2*((x-1)^{(1/2)}(5x-1)^{(1/2)}-x+1)/x/(x-1)^{(3/2)}/(5x-1)^{(1/2)}$  lgdogf  
 A045890 3.82943 [  $\{(-5n^2-5n)a(n)+(11n^2+45n+34)a(n+1)+(-7n^2-49n-82)a(n+2)+(n^2+9n+18)a(n+3), a(0) = 1, a(1) = 3, a(2) = 12\}$ , ogf]  
 A045891 11.2590 [  $\{-(x-1)^3/(2x-1)^2$  ogf]  
 A045891 32.0506  $(2x+1)/(2x-1)/(x-1)$  lgdogf  
 A045891 6.02454 [  $\{a(n+4)-4a(n+3)+4a(n+2), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 7\}$ , ogf]  
 A045894 10.2753  $-48+256x+(4-48x+128x^2)*f(x)+(-8x^2+16x^3+x)*f(x)^2$  lgdogf  
 A045894 3.15910 [  $\{(-16n^2-168n-440)a(n+1)+(8n^2+82n+192)a(n+2)+(-n^2-10n-21)a(n+3), a(0) = 1, a(1) = 12, a(2) = 94\}$ , ogf]  
 A045895 10.0663  $-6*(1+2x+x^4+2x^3+6x^2)/(-1+x)/(x+1)/(1+2x^3+3x^2+6x)$  lgdogf  
 A045895 4.54869 [  $\{(n^2+7n+12)a(n+1)+(-n^2-3n-2)a(n+3), a(0) = 0, a(1) = 2, a(2) = 12\}$ , ogf]  
 A045895 7.75610 [  $-2x*(2x^3+3x^2+6x+1)/(x-1)^3/(x+1)^3$  ogf]  
 A045896 11.1492 [  $\{-(2x^3+3x^2+6x+1)/(x-1)^3/(x+1)^3$  ogf]  
 A045896 13.7614  $-6*(1+2x+6x^2+2x^3+x^4)/(x-1)/(x+1)/(1+6x+3x^2+2x^3)$  lgdogf  
 A045896 6.11947 [  $\{(-n^2-9n-20)a(n+1)+(n^2+5n+6)a(n+3), a(0) = 1, a(1) = 6, a(2) = 6\}$ , ogf]  
 A045899 13.9704 [  $-8x/(x-1)/(x^2-14x+1)$  ogf]  
 A045899 18.5079  $-3*(5-10x+x^2)/(-1+x)/(x^2-14x+1)$  lgdogf  
 A045899 5.70965 [  $\{a(n+3)-15a(n+2)+15a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 120\}$ , ogf]  
 A045902 13.4063  $2*((5x-1)^{(1/2)}(x-1)^{(1/2)}-x+1)/x/(x-1)^{(3/2)}/(5x-1)^{(1/2)}$  lgdogf  
 A045902 3.90054 [  $\{(5n^2+5n)a(n)+(-11n^2-50n-39)a(n+1)+(7n^2+55n+102)a(n+2)+(-n^2-10n-21)a(n+3), a(0) = 1, a(1) = 4, a(2) = 18\}$ , ogf]

A045925 10.6333 [  $x^*(x^2+1)/(x^2+x-1)^2$  ogf]  
A045925 21.2684  $-2*(1+3*x+x^3)/(1+x^2)/(x^2+x-1)$  lgdogf  
A045925 3.99518 [  $\{(-n^2-5*n-6)*a(n+1)+(-n^2-4*n-3)*a(n+2)+(n^2+3*n+2)*a(n+3),$   
 $a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A045926 4.24828 [  $2*(60*x^{20}+6*x^{16}+x^{15}+x^{14}+x^{13}+7*x^{12}+x^{11}+x^{10}+x^9+7*x^8+x^7+x^6+x^5+7*x^4+x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A045943 100.701  $-3/(x-1)$  lgdogf  
A045943 18.1618 [  $-3*x/(x-1)^3$  ogf]  
A045943 7.36290 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 9\}$ ,  
ogf]  
A045944 14.2523 [  $-x*(x+5)/(x-1)^3$  ogf]  
A045944 40.0416  $-2*(x+8)/(x+5)/(x-1)$  lgdogf  
A045944 7.25341 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 16\}$ ,  
ogf]  
A045945 13.6181 [  $-6*x*(x+2)/(x-1)^3$  ogf]  
A045945 38.9284  $-(2*x+7)/(x+2)/(x-1)$  lgdogf  
A045945 6.98984 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 12, a(2) =$   
 $42\}$ , ogf]  
A045946 12.8798 [  $-12*x*(x+2)/(x-1)^3$  ogf]  
A045946 37.4421  $-(2*x+7)/(x+2)/(x-1)$  lgdogf  
A045946 6.72486 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 24, a(2) =$   
 $84\}$ , ogf]  
A045947 10.2829 [  $x^2*(x+2)/(x+1)/(x-1)^4$  ogf]  
A045947 23.7628  $-(7+13*x+4*x^2)/(x-1)/(x+2)/(x+1)$  lgdogf  
A045947 4.82796 [  $\{(n^2+6*n+9)*a(n+1)+(7+3*n)*a(n+2)+(-n^2-3*n-2)*a(n+3), a(0) =$   
 $0, a(1) = 0, a(2) = 2\}$ , ogf]  
A045949 11.8983  $-(19+59*x+2*x^4+24*x^3+64*x^2)/(x-1)/(1+x)/(x^3+7*x^2+10*x+3)$   
lgdogf  
A045949 8.09481 [  $2*x*(x^3+7*x^2+10*x+3)/(x+1)/(x-1)^4$  ogf]  
A045950 10.5733 [  $x*(x^2+19*x+10)/(x-1)^4$  ogf]  
A045950 20.0080  $-(59+59*x+2*x^2)/(x-1)/(x^2+19*x+10)$  lgdogf  
A045950 3.88723 [  $\{(-30-10*n)*a(n+4)+(41-9*n)*a(n+3)+(77+18*n)*a(n+2)+(n+2)*a(n$   
 $+1), a(0) = 0, a(1) = 10, a(2) = 59, a(3) = 177\}$ , ogf]  
A045952 3.87201 [  $\{(-256*n-384)*a(n+1)+(32*n+72)*a(n+2)+(-n-3)*a(n+3), a(0) = 1,$   
 $a(1) = 12, a(2) = 176\}$ , ogf]  
A045991 11.8832 [  $2*x^2*(x+2)/(x-1)^4$  ogf]  
A045991 40.6210  $-3*(x+3)/(x+2)/(x-1)$  lgdogf  
A045991 5.54015 [  $\{(2+2*n)*a(n+3)+(-9-n)*a(n+2)+(-n-2)*a(n+1), a(0) = 0, a(1) =$   
 $0, a(2) = 4\}$ , ogf]  
A045993 11.1659 [  $(x-1)/(8*x^3-18*x^2+10*x-1)$  ogf]  
A045993 11.5796  $-(9+36*x+16*x^3-42*x^2)/(x-1)/(8*x^3-18*x^2+10*x-1)$  lgdogf  
A045993 5.34022 [  $\{-a(n+3)+10*a(n+2)-18*a(n+1)+8*a(n), a(0) = 1, a(1) = 9, a(2) =$   
 $72\}$ , ogf]  
A046023 5.17027 [  $-x*(x+1)*(x^4+4*x^3+20*x^2+4*x+1)/(x-1)^7$  ogf]  
A046023 8.85646  $-2*(6+39*x+96*x^2+58*x^3+10*x^4+x^5)/(x-1)/(x+1)/$   
 $(x^4+4*x^3+20*x^2+4*x+1)$  lgdogf  
A046029 2.91334 [  $-3*x^5+3*x^4+2$  ogf\_with\_Euler\_transform]  
A046037 13.9793 [  $-(2*x^{14}-2*x^{13}+7*x-8)/(x-1)^2$  ogf]  
A046037 14.6400  $(9+24*x^{14}+26*x^{12}-7*x-50*x^{13})/(x-1)/(2*x^{14}-2*x^{13}+7*x-8)$   
lgdogf  
A046039 14.0736 [  $-(2*x^{15}-2*x^{14}+x-2)/(x-1)^2$  ogf]  
A046039 15.8107  $(3-54*x^{14}-x+28*x^{13}+26*x^{15})/(x-1)/(2*x^{15}-2*x^{14}+x-2)$  lgdogf  
A046088 11.5615  $1/5*((26*x+1)^{(1/5)}-(x+1)^{(1/5)})/(26*x+1)^{(1/5)}$  revogf  
A046088 4.99956 [  $-(125*x^4-125*x^3+50*x^2-10*x+1)/$   
 $(3250*x^5-3250*x^4+1300*x^3-260*x^2+26*x-1)$  ogf]  
A046090 11.0292 [  $(3*x-1)/(x-1)/(x^2-6*x+1)$  ogf]  
A046090 11.4474  $-2*(-2+7*x-12*x^2+3*x^3)/(x-1)/(3*x-1)/(1-6*x+x^2)$  lgdogf  
A046090 5.17299 [  $\{a(n+3)-7*a(n+2)+7*a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 21\}$ ,  
ogf]  
A046092 17.6251 [  $-4*x/(x-1)^3$  ogf]

A046092 7.08153  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 12\},$   
ogf ]  
A046092 97.6976  $-3/(x-1)$  lgdogf  
A046100 26.3283  $[ 2-x^{14}*(x-1)$  ogf\_with\_Euler\_transform ]  
A046100 5.19134  $[ (x^8+1)*(x^4+1)*(x^2+1)*(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/$   
 $(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf ]  
A046126 18.6734  $-3*(x-1)/(2*x^3+3*x+1)/(1+x^2)$  lgdegf  
A046127 10.2531  $[ 2*x*(2*x^2-2*x+1)/(x-1)^4$  ogf ]  
A046127 21.6822  $-2*(1-x+2*x^2)/(x-1)/(2*x^2-2*x+1)$  lgdogf  
A046127 3.83835  $[ \{(-3-n)*a(n+4)+(8+3*n)*a(n+3)+(-6-4*n)*a(n+2)+(4+2*n)*a(n+1),$   
 $a(0) = 0, a(1) = 2, a(2) = 4, a(3) = 8\},$  ogf ]  
A046142 12.8645  $-(33+205*x+7*x^3+139*x^2)/(x-1)/(7*x^3+59*x^2+29*x+1)$  lgdogf  
A046142 3.80857  $[ \{(-5470*n^2-24557*n-27234)*a(n+1)+(6092*n^2+13666*n+20883)*a(n$   
 $+2)+(-622*n^2-3653*n-5361)*a(n+3), a(0) = 1, a(1) = 33, a(2) = 185\},$  ogf ]  
A046142 9.97942  $[ (7*x^3+59*x^2+29*x+1)/(x-1)^4$  ogf ]  
A046162 5.54278  $[ \{(-n^2-8*n-16)*a(n+1)+(n^2+2*n+1)*a(n+4), a(0) = 0, a(1) = 1,$   
 $a(2) = 4, a(3) = 3\},$  ogf ]  
A046162 7.19064  $[ -x*(x+1)*(x^6+3*x^5+13*x^3+3*x+1)/(x-1)^3/(x^2+x+1)^3$  ogf ]  
A046162 7.28117  $-2*(2+3*x+51*x^5+18*x^4+42*x^3+x^9+6*x^8+6*x^7+36*x^6+24*x^2)/$   
 $(x-1)/(1+x)/(x^2+x+1)/(x^6+3*x^5+13*x^3+3*x+1)$  lgdogf  
A046163 6.06282  $-(7+26*x$   
 $+x^{10}+2*x^9+3*x^8+24*x^7+57*x^6+30*x^5+21*x^2+96*x^3+111*x^4)/(x-1)/(x^2+x+1)/$   
 $(x^8+x^7+x^6+4*x^5+10*x^4+4*x^3+13*x^2+7*x+1)$  lgdogf  
A046163 7.04310  $[ -(x^8+x^7+x^6+4*x^5+10*x^4+4*x^3+13*x^2+7*x+1)/(x-1)^3/(x^2+x$   
 $+1)^3$  ogf ]  
A046166 5.58238  $[ x^4/(28*x-1)/(26*x-1)/(31*x-1)/(30*x-1)/(29*x-1)/(27*x-1)$  ogf ]  
A046167 3.79215  $[ -x^5/(61*x-1)/(59*x-1)/(58*x-1)/(57*x-1)/(63*x-1)/(62*x-1)/$   
 $(60*x-1)$  ogf ]  
A046172 5.25545  $[ \{-a(n+3)+99*a(n+2)-99*a(n+1)+a(n), a(0) = 1, a(1) = 81, a(2) =$   
 $7921\},$  ogf ]  
A046172 6.88058  $-(81-196*x+x^4-36*x^3+1686*x^2)/(x-1)/(x^2-98*x+1)/(x^2-18*x+1)$   
lgdogf  
A046172 9.68973  $[ -(x^2-18*x+1)/(x-1)/(x^2-98*x+1)$  ogf ]  
A046173 12.6940  $-1/2*(-1-98*x+((80*x+1)*(120*x+1))^{(1/2)})/(-1+x)$  revogf  
A046173 13.4814  $[ (x+1)/(x^2-98*x+1)$  ogf ]  
A046173 19.0410  $-(x+11)*(x-9)/(x+1)/(x^2-98*x+1)$  lgdogf  
A046173 7.38265  $[ \{-a(n+2)+98*a(n+1)-a(n), a(0) = 1, a(1) = 99\},$  ogf ]  
A046174 10.9593  $-6*(-2+5*x+x^3-8*x^2)/(x-1)/(3*x-1)/(x^2-14*x+1)$  lgdogf  
A046174 4.69051  $[ \{a(n+3)-15*a(n+2)+15*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) =$   
 $12\},$  ogf ]  
A046174 9.06302  $[ x*(3*x-1)/(x-1)/(x^2-14*x+1)$  ogf ]  
A046175 10.3386  $-2*(10-15*x-36*x^2+5*x^3)/(x-1)/(5*x+1)/(x^2-14*x+1)$  lgdogf  
A046175 11.7798  $[ -x*(5*x+1)/(x-1)/(x^2-14*x+1)$  ogf ]  
A046175 6.09657  $[ \{a(n+3)-15*a(n+2)+15*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) =$   
 $20\},$  ogf ]  
A046176 10.5441  $-1/2*(-34*x-1+((24*x+1)*(1+48*x))^{(1/2)})/(-1+x)$  revogf  
A046176 11.0088  $[ (x+1)/(x^2-34*x+1)$  ogf ]  
A046176 15.9862  $-(x+7)*(x-5)/(1+x)/(x^2-34*x+1)$  lgdogf  
A046176 6.02863  $[ \{-a(n+2)+34*a(n+1)-a(n), a(0) = 1, a(1) = 35\},$  ogf ]  
A046177 4.40240  $[ \{a(n+3)-1155*a(n+2)+1155*a(n+1)-a(n), a(0) = 1, a(1) = 1225,$   
 $a(2) = 1413721\},$  ogf ]  
A046177 8.22213  $[ -(x^2+70*x+1)/(x-1)/(x^2-1154*x+1)$  ogf ]  
A046178 5.01854  $[ \{a(n+3)-195*a(n+2)+195*a(n+1)-a(n), a(0) = 1, a(1) = 165, a(2)$   
 $= 31977\},$  ogf ]  
A046178 9.27670  $[ (3*x^2+30*x-1)/(x-1)/(x^2-194*x+1)$  ogf ]  
A046179 5.01854  $[ \{-a(n+3)+195*a(n+2)-195*a(n+1)+a(n), a(0) = 1, a(1) = 143, a(2)$   
 $= 27693\},$  ogf ]  
A046179 9.27670  $[ -(3*x^2-52*x+1)/(x-1)/(x^2-194*x+1)$  ogf ]  
A046181 7.45273  $[ -(x^4+2*x^3-38*x^2+2*x+1)/(x-1)/(x^2-10*x+1)/(x^2+10*x+1)$  ogf ]  
A046182 5.50977  $[ (2*x^4+5*x^3-49*x^2-5*x-1)/(x-1)/(x^2-10*x+1)/(x^2+10*x+1)$   
ogf ]

A046183 7.06477 [  $-(x^4+20x^3+2158x^2+20x+1)/(x-1)/(x^2-98x+1)/(x^2+98x+1)$  ogf]  
A046184 10.4691 [  $-(x^2-6x+1)/(x-1)/(x^2-14x+1)$  ogf]  
A046184 5.68582 [  $\{-a(n+3)+15a(n+2)-15a(n+1)+a(n), a(0) = 1, a(1) = 9, a(2) = 121\}$ , ogf]  
A046187 6.51914 [  $(5x^2+18x+1)(x^2+8x-1)/(x-1)/(x^2-34x+1)/(x^2+34x+1)$  ogf]  
A046188 6.44417 [  $-(4x^4+41x^3-437x^2+7x+1)/(x-1)/(x^2-34x+1)/(x^2+34x+1)$  ogf]  
A046189 4.69134 [  $-(40x^4+5945x^3+243535x^2+175x+1)/(x-1)/(x^2-1154x+1)/(x^2+1154x+1)$  ogf]  
A046190 11.2636 [  $-(3x^2-36x+1)/(x-1)/(x^2-98x+1)$  ogf]  
A046190 6.10909 [  $\{-a(n+3)+99a(n+2)-99a(n+1)+a(n), a(0) = 1, a(1) = 63, a(2) = 6141\}$ , ogf]  
A046190 6.56783  $-3*(21-64x+x^4-24x^3+1090x^2)/(x-1)/(3x^2-36x+1)/(x^2-98x+1)$  lgdogf  
A046191 3.76047 [  $\{a(n+3)-99a(n+2)+99a(n+1)-a(n), a(0) = 1, a(1) = 77, a(2) = 7521\}$ , ogf]  
A046191 6.37466  $-(-77+204x+3x^4+44x^3-2478x^2)/(x-1)/(3x^2+22x-1)/(x^2-98x+1)$  lgdogf  
A046191 6.93338 [  $(3x^2+22x-1)/(x-1)/(x^2-98x+1)$  ogf]  
A046192 5.44768 [  $\{a(n+3)-9603a(n+2)+9603a(n+1)-a(n), a(0) = 1, a(1) = 11781, a(2) = 113123361\}$ , ogf]  
A046192 9.97463 [  $-(21x^2+2178x+1)/(x-1)/(x^2-9602x+1)$  ogf]  
A046193 7.10829 [  $-(x^4+4x^3-106x^2+4x+1)/(x-1)/(x^2+18x+1)/(x^2-18x+1)$  ogf]  
A046194 6.00447 [  $-(x^4+54x^3+18034x^2+54x+1)/(x-1)/(x^2-322x+1)/(x^2+322x+1)$  ogf]  
A046195 5.73971 [  $-(x^6+5x^5+43x^4-530x^3+43x^2+5x+1)/(x-1)/(x^6-1442x^3+1)$  ogf]  
A046196 8.04667 [  $(x+1)(x^4+8x^3+69x^2+8x+1)/(x^6-1442x^3+1)$  ogf]  
A046198 10.3539 [  $-(2x^2-21x+1)/(x-1)/(x^2-62x+1)$  ogf]  
A046198 5.61567 [  $\{-a(n+3)+63a(n+2)-63a(n+1)+a(n), a(0) = 1, a(1) = 42, a(2) = 2585\}$ , ogf]  
A046198 7.34877  $-2*(21-61x-21x^3+x^4+600x^2)/(x-1)/(x^2-62x+1)/(2x^2-21x+1)$  lgdogf  
A046199 10.6503 [  $(2x^2+9x-1)/(x-1)/(x^2-62x+1)$  ogf]  
A046199 5.68616 [  $\{a(n+3)-63a(n+2)+63a(n+1)-a(n), a(0) = 1, a(1) = 54, a(2) = 3337\}$ , ogf]  
A046199 7.54606  $-2*(-27+65x+9x^3+x^4-348x^2)/(x-1)/(x^2-62x+1)/(2x^2+9x-1)$  lgdogf  
A046231 6.66555 [  $-x*(2x-1)*(2x+1)/(4x-1)/(x-1)$  ogf]  
A046231 6.91175  $-(5-16x+20x^2)/(x-1)/(2x+1)/(2x-1)/(4x-1)$  lgdogf  
A046232 4.65980 [  $-x*(28672x^4-30080x^3+4284x^2-40x-1)/(x-1)/(4x-1)/(64x-1)/(16x-1)$  ogf]  
A046233 12.6699 [  $-x*(5x^2-1)/(5x-1)/(x-1)$  ogf]  
A046233 14.5576  $-2*(3-10x+15x^2)/(x-1)/(5x-1)/(5x^2-1)$  lgdogf  
A046233 5.44585 [  $\{a(n+4)-6a(n+3)+5a(n+2), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 26\}$ , ogf]  
A046234 3.52955 [  $-x*(109375x^4-109500x^3+12090x^2-60x-1)/(x-1)/(125x-1)/(25x-1)/(5x-1)$  ogf]  
A046236 3.20702 [  $-x*(326592x^4-317520x^3+28638x^2-84x-1)/(x-1)/(6x-1)/(36x-1)/(216x-1)$  ogf]  
A046237 4.56583 [  $-x*(112x^{10}+56x^9+28x^8-86x^7-43x^6-18x^5-4x^4-2x-1)/(x-1)/(x^2+x+1)/(7x^3-1)$  ogf]  
A046239 3.27343 [  $-x*(512x^7+64x^6+8x^5-136x^4-16x^3+6x^2+2x+1)/(x-1)/(2x-1)/(4x-1)/(4x^2+2x+1)/(16x^2+4x+1)$  ogf]  
A046630 10.6485  $-(2-2x-x^2+4x^5-x^4+4x^6)/(x-1)/(2x-1)/(x^2+x+1)/(2x^3+x^2-1)$  lgdogf  
A046630 11.0275 [  $-(2x^3+x^2-1)/(2x-1)/(x-1)/(x^2+x+1)$  ogf]  
A046631 7.77167  $-3*(1-4x+2x^3+4x^2+12x^5-2x^4+3x^6)/(x-1)/(3x-1)/(x^2+x$

+1)/(3\*x^3+6\*x^2-1) lgdogf  
A046631 9.88752 [ -(3\*x^3+6\*x^2-1)/(3\*x-1)/(x-1)/(x^2+x+1) ogf]  
A046632 7.59631 -(3-4\*x+14\*x^3-x^2+16\*x^5+10\*x^4+16\*x^6)/(x-1)/(4\*x-1)/(x^2+x+1)/(4\*x^3+2\*x^2+x-1) lgdogf  
A046632 9.21174 [ -(4\*x^3+2\*x^2+x-1)/(4\*x-1)/(x-1)/(x^2+x+1) ogf]  
A046633 7.32691 -(5-8\*x+30\*x^3+8\*x^2+40\*x^5-4\*x^4+25\*x^6)/(x-1)/(5\*x-1)/(x^2+x+1)/(5\*x^3+4\*x^2-1) lgdogf  
A046633 9.32068 [ -(5\*x^3+4\*x^2-1)/(5\*x-1)/(x-1)/(x^2+x+1) ogf]  
A046634 3.57486 [ -(1296\*x^9+2808\*x^8-690\*x^6-795\*x^5+55\*x^3+27\*x^2-1)/(x-1)/(6\*x-1)/(3\*x-1)/(2\*x-1)/(x^2+x+1)/(4\*x^2+2\*x+1)/(9\*x^2+3\*x+1) ogf]  
A046635 6.81557 -(3-12\*x+62\*x^3+24\*x^2+84\*x^5+78\*x^4+49\*x^6)/(x-1)/(7\*x-1)/(x^2+x+1)/(7\*x^3+6\*x^2+4\*x-1) lgdogf  
A046635 8.86883 [ -(7\*x^3+6\*x^2+4\*x-1)/(x-1)/(7\*x-1)/(x^2+x+1) ogf]  
A046636 13.3809 [ -(4\*x-1)/(8\*x-1)/(x-1) ogf]  
A046636 14.0514 -1/8\*(-1-9\*x+(1+2\*x+49\*x^2)^(1/2))/(2\*x+1) revogf  
A046636 15.5305 -(5-16\*x+32\*x^2)/(x-1)/(8\*x-1)/(4\*x-1) lgdogf  
A046636 7.34320 [{a(n+2)-9\*a(n+1)+8\*a(n), a(0) = 1, a(1) = 5}, ogf]  
A046637 6.59061 -3\*(1-4\*x+110\*x^3-2\*x^2+36\*x^5+52\*x^4+63\*x^6)/(x-1)/(9\*x-1)/(x^2+x+1)/(21\*x^3+6\*x^2+6\*x-1) lgdogf  
A046637 8.64481 [ -(21\*x^3+6\*x^2+6\*x-1)/(x-1)/(9\*x-1)/(x^2+x+1) ogf]  
A046638 4.32836 [ -(10000\*x^9+9000\*x^8-5130\*x^6-2357\*x^5+259\*x^3+37\*x^2-1)/(x-1)/(2\*x-1)/(5\*x-1)/(10\*x-1)/(x^2+x+1)/(4\*x^2+2\*x+1)/(25\*x^2+5\*x+1) ogf]  
A046639 3.82541 [ -(x^17-3\*x^16-4\*x^15-x^14+2\*x^13+4\*x^12+4\*x^11-x^10-5\*x^9-x^8+x^5+x^3-2\*x-1)/(x-1)/(x+1)/(x^3+x^2-1)/(x^5-x^2+1)/(x^2+1) ogf]  
A046646 5.16070 [{(27\*n^2+27\*n+6)\*a(n)+(-4\*n^2-10\*n-6)\*a(n+1), a(0) = 1, a(1) = 2}, ogf]  
A046648 19.3796 x\*(x-1)^2 revogf  
A046649 8.94328 -2-15/4\*x-x^2-1/16\*x^3+1/16\*(x^2+12\*x+4)\*(x+8)^2\*(x+2)^2^(1/2) revogf  
A046662 3.36284 [{(-n^2-5\*n-6)\*a(n+1)+(2\*n^2+13\*n+21)\*a(n+2)+(-n^2-8\*n-17)\*a(n+3)+a(n+4), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 52}, ogf]  
A046672 17.3925 [ 1/(2\*x^3-3\*x^2-2\*x+1) ogf]  
A046672 18.4148 -2\*(-1-3\*x+3\*x^2)/(-3\*x^2+1-2\*x+2\*x^3) lgdogf  
A046672 6.36688 [{a(n+3)-2\*a(n+2)-3\*a(n+1)+2\*a(n), a(0) = 1, a(1) = 2, a(2) = 7}, ogf]  
A046673 3.08243 [{(-16\*n^4-192\*n^3-860\*n^2-1704\*n-1260)\*a(n+1)+(8\*n^3+72\*n^2+210\*n+196)\*a(n+2)+(-n^2-5\*n-6)\*a(n+3), a(0) = 2, a(1) = 36, a(2) = 660}, egf]  
A046674 3.02004 [{(-16\*n^4-192\*n^3-860\*n^2-1704\*n-1260)\*a(n+1)+(8\*n^3+72\*n^2+210\*n+196)\*a(n+2)+(-n^2-5\*n-6)\*a(n+3), a(0) = 1, a(1) = 18, a(2) = 330}, egf]  
A046691 12.5056 [ (3\*x^2-5\*x+1)/(x-1)^3 ogf]  
A046691 21.4602 -(-2-4\*x+3\*x^2)/(x-1)/(3\*x^2-5\*x+1) lgdogf  
A046691 6.81111 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = -1, a(1) = 2, a(2) = 6}, ogf]  
A046698 10.0289 [-a(n+4)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 2}, ogf]  
A046698 23.2377 [ -x\*(x^2+1)/(x-1) ogf]  
A046698 32.7833 [[-x^3+x+1] ogf\_with\_Euler\_transform]  
A046698 36.1103 (-1-2\*x+x^2)/(x-1)/(1+x^2) lgdogf  
A046714 12.2457 1/50/x^2\*(-1-5\*x+10\*x^2+(1+10\*x+5\*x^2)^(1/2)) revogf  
A046714 3.65738 [{(20\*n+50)\*a(n+1)+(-9\*n-30)\*a(n+2)+(n+4)\*a(n+3), a(0) = 1, a(1) = 6, a(2) = 32}, ogf]  
A046715 4.62976 [{(-16\*n^3-96\*n^2-188\*n-120)\*a(n+1)+(n^3+8\*n^2+19\*n+12)\*a(n+2), a(0) = 0, a(1) = 1}, ogf]  
A046717 14.9411 [ (x-1)/(x+1)/(3\*x-1) ogf]  
A046717 18.8334 -(-1-6\*x+3\*x^2)/(x-1)/(3\*x-1)/(x+1) lgdogf  
A046717 8.19940 [-a(n+2)+2\*a(n+1)+3\*a(n), a(0) = 1, a(1) = 1}, ogf]  
A046718 4.20912 [{(32\*n^2+156\*n+184)\*a(n+1)+(-26\*n^2-74\*n+28)\*a(n+2)+(5\*n^2+7\*n-24)\*a(n+3), a(0) = 1, a(1) = 4, a(2) = 14}, ogf]  
A046718 9.68099 [ -(x^3-6\*x^2+4\*x-1)/(2\*x-1)^4 ogf]  
A046727 10.9019 [ -x\*(x^2-6\*x-3)/(x+1)/(x^2-6\*x+1) ogf]



A046727 5.28822 [ $\{a(n+4)-5a(n+3)-5a(n+2)+a(n+1), a(0) = 0, a(1) = 3, a(2) = 21, a(3) = 119\}$ ], ogf]  
A046727 9.86844  $-(21+28*x-12*x^3+26*x^2+x^4)/(x+1)/(x^2-6*x+1)/(x^2-6*x-3)$  lgdogf  
lgdogf  
A046729 12.9223 [ $4*x/(x+1)/(x^2-6*x+1)$  ogf]  
A046729 16.8344  $-(-5-10*x+3*x^2)/(x+1)/(x^2-6*x+1)$  lgdogf  
A046729 5.19199 [ $\{-a(n+3)+5a(n+2)+5a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 20\}$ ], ogf]  
A046736 35.6225  $x*(-1+x+x^2)/(-1+x)$  revogf  
A046748 27.0134  $-(-3+10*x)/(5*x-1)/(4*x-1)$  lgdogf  
A046748 4.64325 [ $\{(n+3)*a(n+3)+(-21-9*n)*a(n+2)+(30+20*n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 13\}$ ], ogf]  
A046877 12.8673 [ $-(3*x^2+2*x+3)/(x^3+x^2-1)$  ogf]  
A046877 14.0861  $-(x+1)*(3*x^3+x^2+10*x+2)/(3*x^2+2*x+3)/(x^3+x^2-1)$  lgdogf  
A046877 7.80249 [ $\{-a(n+3)+a(n+1)+a(n), a(0) = 3, a(1) = 2, a(2) = 6\}$ ], ogf]  
A046885 11.6841  $-1/2*(-1-9*x-10*x^2+(1+2*x+5*x^2)^{(1/2)})/(2+5*x)^2$  revogf  
A046895 10.6713 [ $-(x^3+5*x^2-3*x+9)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A046914 6.21938  $-(-117+1532*x+2000*x^5+12920*x^3-6759*x^2-9900*x^4)/(x-1)/(2*x-1)/(5*x-1)/(10*x-1)/(10*x^2-27*x+8)$  lgdogf  
A046914 7.63373 [ $x*(10*x^2-27*x+8)/(x-1)/(2*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A046915 7.03958  $-2*(9-107*x+1000*x^5-200*x^3+360*x^2-900*x^4)/(x-1)/(2*x-1)/(5*x-1)/(10*x-1)/(10*x^2-1)$  lgdogf  
A046915 8.66974 [ $-(10*x^2-1)/(x-1)/(2*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A046916 6.90818 [ $-(10*x^4-6*x^3+x^2-2*x+1)/(2*x-1)^2/(x-1)^3$  ogf]  
A046916 8.87329  $-(-5+16*x+20*x^5-46*x^3+x^2+26*x^4)/(2*x-1)/(x-1)/(10*x^4-6*x^3+x^2-2*x+1)$  lgdogf  
A046957 10.5094  $(-5-7*x+594*x^3-2046*x^2+44*x^4)/(x-1)/(22*x^4+682*x^3+2*x^2+3*x+1)$  lgdogf  
A046957 9.98018 [ $(22*x^4+682*x^3+2*x^2+3*x+1)/(x-1)^2$  ogf]  
A046959 6.29654  $(-2-10*x+2280*x^5-3003*x^6-1571*x^7+2262*x^8-52*x^3-1324*x^4)/(x-1)/(377*x^8+289*x^7-245*x^6+270*x^5+13*x^4+5*x^2+1)$  lgdogf  
A046959 7.56597 [ $x*(377*x^8+289*x^7-245*x^6+270*x^5+13*x^4+5*x^2+1)/(x-1)^2$  ogf]  
A046960 5.63498  $(-2-6*x-6660*x^9+5328*x^10+99*x^5-339*x^6+205*x^7-10*x^3-6*x^2-29*x^4)/(x-1)/(666*x^10+41*x^7-13*x^6+7*x^5+3*x^4+2*x^3+3*x^2+1)$  lgdogf  
A046960 7.16076 [ $(666*x^10+41*x^7-13*x^6+7*x^5+3*x^4+2*x^3+3*x^2+1)/(x-1)^2$  ogf]  
A046961 6.71653 [ $(688*x^9-22*x^8+41*x^6-38*x^5+38*x^4-13*x^3+7*x^2+8*x+1)/(x-1)^2$  ogf]  
A046962 7.13749 [ $(333*x^16+19*x^10-16*x^9+16*x^8+2*x^4-2*x^3+2*x^2+1)/(x-1)^2$  ogf]  
A046963 7.59463  $(-4-40*x-3663*x^10+2997*x^11-95*x^3+57*x^2+38*x^4)/(x-1)/(333*x^11+19*x^4-19*x^3+19*x^2+2*x+1)$  lgdogf  
A046963 8.78128 [ $(333*x^11+19*x^4-19*x^3+19*x^2+2*x+1)/(x-1)^2$  ogf]  
A046964 8.84698 [ $(377*x^6+327*x^5+5*x^4-x^2+x+1)/(x-1)^2$  ogf]  
A046964 9.00070  $(-3+x-1281*x^5+1508*x^6-20*x^3-1625*x^4)/(x-1)/(377*x^6+327*x^5+5*x^4-x^2+x+1)$  lgdogf  
A046978 16.3328 [ $x*(x^2+x+1)/(x^4+1)$  ogf]  
A046978 23.3475 [ $x^7-x^3-x^2+1$  ogf\_with\_Euler\_transform]  
A046978 25.6485  $-(-1-2*x+2*x^5+4*x^3+3*x^4)/(x^2+x+1)/(1+x^4)$  lgdogf  
A046980 15.3553 [ $-(x^3-x-1)/(x^4+1)$  ogf]  
A046980 22.6630  $-(x^4-2*x^3-2*x+1)*(x+1)^2/(x^3-x-1)/(1+x^4)$  lgdogf  
A046980 8.64841 [ $\{a(n+4)+a(n), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = -1\}$ ], ogf]  
A046984 10.4621  $-4*(1-11*x+12*x^3+30*x^2)/(6*x-1)/(4*x^3+22*x^2-10*x+1)$  lgdogf  
A046984 10.6835 [ $-(6*x-1)/(4*x^3+22*x^2-10*x+1)$  ogf]  
A046984 5.10950 [ $\{a(n+3)-10a(n+2)+22a(n+1)+4a(n), a(0) = 1, a(1) = 4, a(2) = 18\}$ ], ogf]  
A046994 10.6497 [ $-(x^3-x-1)/(2*x-1)/(2*x^2-1)$  ogf]  
A046994 11.5641  $-(3+4*x-4*x^3-13*x^2+2*x^4)/(2*x-1)/(2*x^2-1)/(x^3-x-1)$  lgdogf  
A046994 4.88443 [ $\{a(n+4)-2a(n+3)-2a(n+2)+4a(n+1), a(0) = 1, a(1) = 3, a(2) =$

8, a(3) = 17}], ogf]  
 A046995 3.95339 [  $-(x-1)*(x^7-x^6-2*x^5+3*x^4-2*x^3-4*x^2-2*x-1)/(x^4-2*x^3+2*x^2+2*x-1)/(x^4-x^3-3*x^2-x+1)$  ogf]  
 A046998 12.2461  $-(1+18*x+39*x^2+2*x^4)/(x-1)/(2*x^4-4*x^3+17*x^2-4*x+1)$  lgdogf  
 A046998 7.16292 [  $-(2*x^4-4*x^3+17*x^2-4*x+1)/(x-1)^5$  ogf]  
 A047009 5.24626 [  $\{(27*n^2-3)*a(n)+(-4*n^2-6*n-2)*a(n+1), a(0) = 1, a(1) = 2\}$ , ogf]  
 A047053 26.9830 [  $-1/(4*x-1)$  egf]  
 A047053 55.5309  $-4/(4*x-1)$  lgdegf  
 A047053 6.43911 [  $\{(-4*n-8)*a(n+1)+a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
 A047054 15.4274  $-5/(5*x-1)$  lgdegf  
 A047055 13.2891  $-1/5*(1-3*x)^{(2/3)}+3/5*(1-3*x)^{(2/3)}*x+1/5$  revegf  
 A047055 37.2095  $-2+(1-5*x)*f(x)$  lgdegf  
 A047055 6.47131 [  $\{(-5*n-7)*a(n+1)+a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
 A047056 32.7166  $-3+(1-5*x)*f(x)$  lgdegf  
 A047056 5.70272 [  $\{(-5*n-8)*a(n+1)+a(n+2), a(0) = 1, a(1) = 3\}$ , ogf]  
 A047056 7.66794  $-1/5*(1-2*x)^{(1/2)}+4/5*(1-2*x)^{(1/2)}*x-4/5*(1-2*x)^{(1/2)}*x^2+1/5$  revegf  
 A047058 26.0095 [  $-1/(6*x-1)$  egf]  
 A047058 53.5110  $-6/(6*x-1)$  lgdegf  
 A047058 6.13708 [  $\{(-6*n-12)*a(n+1)+a(n+2), a(0) = 1, a(1) = 6\}$ , ogf]  
 A047073 3.56145 [  $\{(4*n^2-4*n)*a(n)+(4*n^2+14*n)*a(n+1)+(-n^2+n+6)*a(n+2)+(-n^2-5*n-6)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
 A047081 4.41283 [  $\{a(n+5)-a(n+4)-3*a(n+3)+3*a(n+2), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 6, a(4) = 11\}$ , ogf]  
 A047081 9.27335 [  $(x+1)*(2*x^3-2*x^2+1)/(x-1)/(3*x^2-1)$  ogf]  
 A047081 9.34142  $2*(1+x-6*x^5+3*x^6+x^3-2*x^2)/(x-1)/(x+1)/(3*x^2-1)/(2*x^3-2*x^2+1)$  lgdogf  
 A047084 7.03810 [  $(x^2+x+1)*(x^5-x^2+1)/(x-1)/(x^3+x-1)/(x+1)^2$  ogf]  
 A047084 7.62259  $(1+3*x-x^9+x^{10}+x^{11}-3*x^5-8*x^7-x^8-x^3-x^2+3*x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^3+x-1)/(x^5-x^2+1)$  lgdogf  
 A047099 36.6357  $x*(x+1)^2/(2*x+1)^3$  revogf  
 A047201 11.3109 [  $(x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
 A047201 29.9308  $[-x^4+x^3+2$  ogf\_with\_Euler\_transform]  
 A047201 8.08610  $-(2+4*x+5*x^5+3*x^6+x^7+12*x^3+6*x^2+7*x^4)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
 A047202 11.9182 [  $(x^3+x^2+x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
 A047202 13.2075  $-(3+5*x+x^5+5*x^3+13*x^2+3*x^4)/(x-1)/(x^2+x+1)/(x^3+x^2+x+2)$  lgdogf  
 A047202 4.95395 [  $\{(5*n+19)*a(n+1)+5*a(n+2)+5*a(n+3)+(-5*n-14)*a(n+4), a(0) = 2, a(1) = 3, a(2) = 4, a(3) = 7\}$ , ogf]  
 A047203 12.1270  $-(3+5*x+4*x^5+2*x^6+13*x^3+7*x^2+6*x^4)/(x-1)/(x+1)/(x^2+1)/(x^3+x^2+x+2)$  lgdogf  
 A047203 12.3028 [  $x*(x^3+x^2+x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
 A047204 13.3570 [  $(x^2+x+3)/(x+1)/(x-1)^2$  ogf]  
 A047204 19.4731  $-(4+12*x+x^3+3*x^2)/(x-1)/(x+1)/(x^2+x+3)$  lgdogf  
 A047204 7.27477 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 4, a(2) = 8\}$ , ogf]  
 A047205 12.5874 [  $x*(x^2+x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
 A047205 15.4934  $-2*(2+3*x+2*x^3+7*x^2+x^4)/(x-1)/(x^2+x+1)/(x^2+x+3)$  lgdogf  
 A047205 4.95867 [  $\{(-5*n-17)*a(n+1)-5*a(n+2)-5*a(n+3)+(5*n+12)*a(n+4), a(0) = 0, a(1) = 3, a(2) = 4, a(3) = 5\}$ , ogf]  
 A047206 11.9182 [  $(x^3+x^2+2*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
 A047206 12.7882  $-(3+5*x+x^5+8*x^3+10*x^2+3*x^4)/(x-1)/(x^2+x+1)/(x^3+x^2+2*x+1)$  lgdogf  
 A047206 4.95395 [  $\{(-5*n-18)*a(n+1)-5*a(n+2)-5*a(n+3)+(5*n+13)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 6\}$ , ogf]  
 A047207 10.9707  $-(3+5*x+4*x^5+2*x^6+9*x^3+7*x^2+10*x^4)/(x-1)/(x+1)/(x^2+1)/(x^3+x^2+2*x+1)$  lgdogf  
 A047207 11.4447 [  $x*(x^3+x^2+2*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
 A047208 14.2224 [  $x*(x+4)/(x+1)/(x-1)^2$  ogf]  
 A047208 24.1938  $-(5+13*x+2*x^2)/(x-1)/(x+1)/(x+1)$  lgdogf

A047208 7.30341 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 5\}$ ,  
ogf ]  
A047209 14.0052 [  $(x^2+3x+1)/(x+1)/(x-1)^2$  ogf ]  
A047209 19.9478  $-(4+8x+x^3+7x^2)/(x-1)/(x+1)/(x^2+3x+1)$  lgdogf  
A047209 7.62782 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 6\}$ , ogf ]  
A047211 17.9925 [  $(x^2+2x+2)/(x+1)/(x-1)^2$  ogf ]  
A047211 25.1238  $-(4+10x+x^3+5x^2)/(x-1)/(x+1)/(x^2+2x+2)$  lgdogf  
A047211 9.79946 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 4, a(2) = 7\}$ , ogf ]  
A047212 12.5874 [  $x*(x^2+2x+2)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047212 14.6483  $-(4+6x+7x^3+11x^2+2x^4)/(x-1)/(x^2+x+1)/(x^2+2x+2)$  lgdogf  
A047212 4.95867 [  $\{(5n+16)*a(n+1)+5*a(n+2)+5*a(n+3)+(-5n-11)*a(n+4), a(0) = 0,$   
 $a(1) = 2, a(2) = 4, a(3) = 5\}$ , ogf ]  
A047215 15.6140 [  $x*(3x+2)/(x+1)/(x-1)^2$  ogf ]  
A047215 25.8095  $-(5+9x+6x^2)/(x-1)/(3x+2)/(x+1)$  lgdogf  
A047215 8.01802 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 2, a(2) = 5\}$ , ogf ]  
A047216 13.3570 [  $(3x^2+x+1)/(x+1)/(x-1)^2$  ogf ]  
A047216 17.7421  $-(2+10x+3x^3+5x^2)/(x-1)/(x+1)/(3x^2+x+1)$  lgdogf  
A047216 7.27477 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf ]  
A047217 13.5024 [  $x*(3x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047217 15.4464  $-2*(1+4x+3x^3+4x^2+3x^4)/(x-1)/(x^2+x+1)/(3x^2+x+1)$  lgdogf  
A047217 5.35157 [  $\{(5n+13)*a(n+1)+5*a(n+2)+5*a(n+3)+(-5n-8)*a(n+4), a(0) = 0,$   
 $a(1) = 1, a(2) = 2, a(3) = 5\}$ , ogf ]  
A047218 14.2224 [  $x*(2x+3)/(x+1)/(x-1)^2$  ogf ]  
A047218 22.8113  $-(5+11x+4x^2)/(x-1)/(2x+3)/(x+1)$  lgdogf  
A047218 7.30341 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 3, a(2) = 5\}$ , ogf ]  
A047219 13.3570 [  $(2x^2+2x+1)/(x+1)/(x-1)^2$  ogf ]  
A047219 17.3564  $-(3+9x+2x^3+6x^2)/(x-1)/(x+1)/(2x^2+2x+1)$  lgdogf  
A047219 7.27477 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 6\}$ , ogf ]  
A047220 12.5874 [  $x*(2x^2+2x+1)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047220 14.3867  $-(x+1)*(4x^3+4x^2+4x+3)/(x-1)/(x^2+x+1)/(2x^2+2x+1)$  lgdogf  
A047220 4.98890 [  $\{(5n+14)*a(n+1)+5*a(n+2)+5*a(n+3)+(-5n-9)*a(n+4), a(0) = 0,$   
 $a(1) = 1, a(2) = 3, a(3) = 5\}$ , ogf ]  
A047221 14.0052 [  $(2x^2+x+2)/(x+1)/(x-1)^2$  ogf ]  
A047221 18.6179  $-(3+11x+2x^3+4x^2)/(x-1)/(x+1)/(2x^2+x+2)$  lgdogf  
A047221 7.62782 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 3, a(2) = 7\}$ , ogf ]  
A047222 12.5874 [  $x*(2x^2+2x+2)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047222 14.6483  $-(3+7x+5x^3+11x^2+4x^4)/(x-1)/(x^2+x+1)/(2x^2+x+2)$  lgdogf  
A047222 5.01951 [  $\{(n+3)*a(n+1)+a(n+2)+a(n+3)+(-n-2)*a(n+4), a(0) = 0, a(1) = 2,$   
 $a(2) = 3, a(3) = 5\}$ , ogf ]  
A047223 10.1263  $-2*(1+2x+x^5+3x^3+6x^2+2x^4)/(x-1)/(x^2+x+1)/(2x^3+x^2+x+1)$   
lgdogf  
A047223 11.9182 [  $(2x^3+x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047223 4.95395 [  $\{(5n+16)*a(n+1)+5*a(n+2)+5*a(n+3)+(-5n-11)*a(n+4), a(0) = 1,$   
 $a(1) = 2, a(2) = 3, a(3) = 6\}$ , ogf ]  
A047225 11.5885 [  $x*(5x+1)/(x+1)/(x-1)^2$  ogf ]  
A047225 18.0209  $-2*(3+4x+5x^2)/(x-1)/(5x+1)/(x+1)$  lgdogf  
A047225 5.95087 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf ]  
A047226 10.0705 [  $x*(2x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047226 7.07534  $-(x+1)*(4x^7+x^6+6x^5+3x^4+8x^3+4x^2+2x+2)/(x-1)/$   
 $(x^4+x^3+x^2+x+1)/(2x^4+x^3+x^2+x+1)$  lgdogf  
A047227 10.5557 [  $(2x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047227 9.47659  $-2*(1+2x+3x^5+2x^6+x^7+8x^3+3x^2+4x^4)/(x-1)/(x+1)/$   
 $(1+x^2)/(2x^4+x^3+x^2+x+1)$  lgdogf  
A047228 12.0091 [  $(x+1)*(2x^2-x+2)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047228 5.05260 [  $\{(-2n-7)*a(n+1)-2*a(n+2)-2*a(n+3)+(2n+5)*a(n+4), a(0) = 2,$   
 $a(1) = 3, a(2) = 4, a(3) = 8\}$ , ogf ]  
A047228 9.80899  $-(3+5x+2x^5+6x^3+16x^2+4x^4)/(x-1)/(x+1)/(x^2+x+1)/(2x^2-x$   
 $+2)$  lgdogf  
A047229 13.1803  $-(3-x-3x^3+9x^2+4x^4)/(x-1)/(1+x^2)/(2x^2-x+2)$  lgdogf  
A047229 9.19378 [  $x*(2x^2-x+2)/(x^2+1)/(x-1)^2$  ogf ]  
A047230 10.7100 [  $(2x^2+x+3)/(x+1)/(x-1)^2$  ogf ]

A047230 14.4923  $-2*(2+7*x+x^3+2*x^2)/(x-1)/(x+1)/(2*x^2+x+3)$  lgdogf  
A047230 5.83310  $[ \{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 4, a(2) = 9\}, ogf ]$   
A047231 11.9491  $-(4+8*x+5*x^3+15*x^2+4*x^4)/(x-1)/(x^2+x+1)/(2*x^2+x+3)$  lgdogf  
A047231 12.6844  $[ x*(2*x^2+x+3)/(x^2+x+1)/(x-1)^2 ogf ]$   
A047231 4.99687  $[ \{(6*n+19)*a(n+1)+6*a(n+2)+6*a(n+3)+(-6*n-13)*a(n+4), a(0) = 0,$   
 $a(1) = 3, a(2) = 4, a(3) = 6\}, ogf ]$   
A047233 11.3929  $[ 2*x*(x+2)/(x+1)/(x-1)^2 ogf ]$   
A047233 19.9269  $-(x+3)*(2*x+1)/(x-1)/(x+2)/(x+1)$  lgdogf  
A047233 5.85041  $[ \{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 6\},$   
 $ogf ]$   
A047234 12.6844  $[ x*(x+1)*(2*x+1)/(x^2+x+1)/(x-1)^2 ogf ]$   
A047234 14.5010  $-(x+2)*(4*x^3+3*x^2+3*x+2)/(x-1)/(2*x+1)/(x+1)/(x^2+x+1)$  lgdogf  
A047234 4.99687  $[ \{(-6*n-17)*a(n+1)-6*a(n+2)-6*a(n+3)+(6*n+11)*a(n+4), a(0) = 0,$   
 $a(1) = 1, a(2) = 4, a(3) = 6\}, ogf ]$   
A047235 16.8670  $[ 2*(x^2+x+1)/(x+1)/(x-1)^2 ogf ]$   
A047235 25.2988  $-(2+6*x+x^3+3*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A047235 41.0136  $[-x^2+x+2 ogf\_with\_Euler\_transform]$   
A047235 9.18652  $[ \{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 4, a(2) = 8\}, ogf ]$   
A047236 10.9534  $-(x^2+2)*(2*x^3+6*x^2+3*x+1)/(x-1)/(x+1)/(x^2+x+1)/(2*x^2+1)$   
 $lgdogf$   
A047236 12.0091  $[ (x+1)*(2*x^2+1)/(x^2+x+1)/(x-1)^2 ogf ]$   
A047236 6.68247  $[ \{-a(n+4)+a(n+3)+a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3)$   
 $= 7\}, ogf ]$   
A047237 12.4400  $[ x*(2*x^2+1)/(x^2+1)/(x-1)^2 ogf ]$   
A047237 14.9777  $-2*(1+x+2*x^2+2*x^4)/(x-1)/(2*x^2+1)/(1+x^2)$  lgdogf  
A047238 12.9359  $[ 2*x*(2*x+1)/(x+1)/(x-1)^2 ogf ]$   
A047238 19.0809  $-(3+5*x+4*x^2)/(x-1)/(2*x+1)/(x+1)$  lgdogf  
A047238 6.64278  $[ \{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 2, a(2) = 6\}, ogf ]$   
A047239 10.8931  $[ (4*x^2+x+1)/(x+1)/(x-1)^2 ogf ]$   
A047239 14.1033  $-2*(1+6*x+2*x^3+3*x^2)/(x-1)/(x+1)/(4*x^2+x+1)$  lgdogf  
A047239 5.93285  $[ \{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 7\}, ogf ]$   
A047240 12.5569  $[ x*(4*x^2+x+1)/(x^2+x+1)/(x-1)^2 ogf ]$   
A047240 14.6139  $-(2+10*x+7*x^3+9*x^2+8*x^4)/(x-1)/(x^2+x+1)/(4*x^2+x+1)$  lgdogf  
A047240 5.00734  $[ \{(2*n+5)*a(n+1)+2*a(n+2)+2*a(n+3)+(-2*n-3)*a(n+4), a(0) = 0,$   
 $a(1) = 1, a(2) = 2, a(3) = 6\}, ogf ]$   
A047241 14.4111  $[ (3*x^2+2*x+1)/(x+1)/(x-1)^2 ogf ]$   
A047241 18.3202  $-(3*x+1)*(2*x+3*x^2)/(x-1)/(x+1)/(3*x^2+2*x+1)$  lgdogf  
A047241 7.84892  $[ \{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 7\}, ogf ]$   
A047242 12.5569  $[ x*(3*x^2+2*x+1)/(x^2+x+1)/(x-1)^2 ogf ]$   
A047242 14.8846  $-3*(2*x+1)*(x+1)*(1+x^2)/(x-1)/(x^2+x+1)/(3*x^2+2*x+1)$  lgdogf  
A047242 5.00734  $[ \{(-3*n-8)*a(n+1)-3*a(n+2)-3*a(n+3)+(3*n+5)*a(n+4), a(0) = 0,$   
 $a(1) = 1, a(2) = 3, a(3) = 6\}, ogf ]$   
A047243 14.4111  $[ (3*x^2+x+2)/(x+1)/(x-1)^2 ogf ]$   
A047243 19.1682  $-(3+13*x+3*x^3+5*x^2)/(x-1)/(x+1)/(3*x^2+x+2)$  lgdogf  
A047243 7.84892  $[ \{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 3, a(2) = 8\}, ogf ]$   
A047244 12.5569  $[ x*(3*x^2+x+2)/(x^2+x+1)/(x-1)^2 ogf ]$   
A047244 14.3530  $-3*(1+3*x+2*x^3+4*x^2+2*x^4)/(x-1)/(x^2+x+1)/(3*x^2+x+2)$  lgdogf  
A047244 4.94665  $[ \{(6*n+17)*a(n+1)+6*a(n+2)+6*a(n+3)+(-6*n-11)*a(n+4), a(0) = 0,$   
 $a(1) = 2, a(2) = 3, a(3) = 6\}, ogf ]$   
A047245 11.8890  $[ (3*x^3+x^2+x+1)/(x^2+x+1)/(x-1)^2 ogf ]$   
A047245 12.3656  $-(2+4*x+3*x^5+7*x^3+15*x^2+5*x^4)/(x-1)/(x^2+x+1)/(3*x^3+x^2+x$   
 $+1)$  lgdogf  
A047245 5.00207  $[ \{(n+3)*a(n+1)+a(n+2)+a(n+3)+(-n-2)*a(n+4), a(0) = 1, a(1) = 2,$   
 $a(2) = 3, a(3) = 7\}, ogf ]$   
A047246 11.2317  $[ x*(3*x^3+x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2 ogf ]$   
A047246 8.61808  $-2*(1+2*x+3*x^5+3*x^6+5*x^3+6*x^2+4*x^4)/(x-1)/(x+1)/(1+x^2)/$   
 $(3*x^3+x^2+x+1)$  lgdogf  
A047247 10.6102  $[ (x^4+x^3+x^2+x+2)/(x^2+1)/(x+1)/(x-1)^2 ogf ]$   
A047247 8.00100  $-(3+5*x+5*x^5+3*x^6+x^7+17*x^3+7*x^2+7*x^4)/(x-1)/(x+1)/(1+x^2)/$   
 $(x^4+x^3+x^2+x+2)$  lgdogf  
A047248 7.04273  $-(3+5*x+8*x^5+6*x^6+4*x^7+2*x^8+9*x^3+7*x^2+16*x^4)/(x-1)/$

$(x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+2)$  lgdogf  
A047248 8.23584 [  $x*(x^4+x^3+x^2+x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047249 10.9052  $-(4+6*x+x^5+5*x^3+17*x^2+3*x^4)/(x-1)/(x^2+x+1)/(3+x+x^2+x^3)$   
lgdogf  
A047249 11.8431 [  $(x^3+x^2+x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
A047249 4.98276 [  $\{(-n-4)*a(n+1)-a(n+2)-a(n+3)+(n+3)*a(n+4), a(0) = 3, a(1) = 4,$   
 $a(2) = 5, a(3) = 9\}$ , ogf]  
A047250 10.4529  $-2*(x^3+2*x^2+1)*(x^3+3*x+2)/(x-1)/(x+1)/(1+x^2)/(3+x+x^2+x^3)$   
lgdogf  
A047250 11.1341 [  $x*(x^3+x^2+x+3)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047251 11.8403 [  $(x^3+x+1)/(x^2+1)/(x-1)^2$  ogf]  
A047251 12.9616  $-(3-x+x^5+2*x^3+6*x^2+x^4)/(x-1)/(1+x^2)/(x^3+x+1)$  lgdogf  
A047252 7.11928  $-(3+5*x+13*x^5+6*x^6+4*x^7+2*x^8+9*x^3+7*x^2+11*x^4)/(x-1)/(x$   
 $+1)/(x^3+x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047252 8.23584 [  $x*(x+1)*(x^3+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047253 10.6162 [  $(x+1)*(x^2+x+1)*(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047253 31.0147 [ $-x^5+x^4+2$  ogf\_with\_Euler\_transform]  
A047253 8.43115  $-(2+4*x+x^9+9*x^5+7*x^6+5*x^7+3*x^8+8*x^3+6*x^2+15*x^4)/(x-1)/(x$   
 $+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047254 12.5837 [  $(x+2)*(x^2+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047254 13.9603  $-(3+7*x+x^5+6*x^3+14*x^2+5*x^4)/(x+2)/(x-1)/(1+x^2)/(x^2+x+1)$   
lgdogf  
A047254 5.26226 [  $\{(3*n+11)*a(n+1)+3*a(n+2)+3*a(n+3)+(-3*n-8)*a(n+4), a(0) = 2,$   
 $a(1) = 3, a(2) = 5, a(3) = 8\}$ , ogf]  
A047255 12.1635 [  $(x^3+x^2+1)/(x^2+1)/(x-1)^2$  ogf]  
A047255 17.4188  $-(2+x^5-x^3+7*x^2+3*x^4)/(x-1)/(1+x^2)/(x^3+x^2+1)$  lgdogf  
A047255 4.48453 [  $\{(3*n+10)*a(n+1)+(-3*n-7)*a(n+2)+(3*n+10)*a(n+3)+(-3*n-7)*a(n$   
 $+4), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5\}$ , ogf]  
A047256 6.99926  $-(2+4*x+9*x^5+7*x^6+7*x^7+2*x^8+9*x^3+9*x^2+11*x^4)/(x-1)/(x+1)/$   
 $(x^3+x^2+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047256 8.18593 [  $x*(x+1)*(x^3+x^2+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047257 10.8382 [  $(x^2+x+4)/(x+1)/(x-1)^2$  ogf]  
A047257 15.7435  $-(5+15*x+x^3+3*x^2)/(x-1)/(x+1)/(4+x+x^2)$  lgdogf  
A047257 5.85072 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 5, a(2) = 10\}$ ,  
ogf]  
A047258 12.5084 [  $x*(x^2+x+4)/(x^2+x+1)/(x-1)^2$  ogf]  
A047258 12.5513  $-(5+7*x+4*x^3+18*x^2+2*x^4)/(x-1)/(x^2+x+1)/(4+x+x^2)$  lgdogf  
A047258 4.98801 [  $\{(-2*n-7)*a(n+1)-2*a(n+2)-2*a(n+3)+(2*n+5)*a(n+4), a(0) = 0,$   
 $a(1) = 4, a(2) = 5, a(3) = 6\}$ , ogf]  
A047259 10.7293  $-(x+1)*(x^4+2*x^3+9*x^2+2*x+4)/(x-1)/(x^2+x+1)/(x^3+x^2+3*x+1)$   
lgdogf  
A047259 11.8431 [  $(x^3+x^2+3*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047259 4.95256 [  $\{(-3*n-11)*a(n+1)-3*a(n+2)-3*a(n+3)+(3*n+8)*a(n+4), a(0) = 1,$   
 $a(1) = 4, a(2) = 5, a(3) = 7\}$ , ogf]  
A047260 11.1341 [  $x*(x^3+x^2+3*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047260 8.75786  $-2*(2+3*x+2*x^5+x^6+5*x^3+4*x^2+7*x^4)/(x-1)/(x+1)/(1+x^2)/$   
 $(x^3+x^2+3*x+1)$  lgdogf  
A047261 11.8431 [  $(x+1)*(x^2+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A047261 13.8045  $-(x+2)*(x^4+x^3+6*x^2+2*x+2)/(x-1)/(x+1)/(x^2+x+1)/(x^2+2)$   
lgdogf  
A047261 4.92272 [  $\{(-6*n-23)*a(n+1)-6*a(n+2)-6*a(n+3)+(6*n+17)*a(n+4), a(0) = 2,$   
 $a(1) = 4, a(2) = 5, a(3) = 8\}$ , ogf]  
A047262 12.5045 [  $x*(x^2+2)/(x^2+1)/(x-1)^2$  ogf]  
A047262 16.2020  $-2*(2-x+4*x^2+x^4)/(x-1)/(x^2+2)/(1+x^2)$  lgdogf  
A047263 11.0877 [  $x*(x^2+1)*(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047263 21.8332 [ $x^4-x^3-x^2+x+2$  ogf\_with\_Euler\_transform]  
A047263 9.41777  $-(2+6*x+9*x^5+10*x^6+4*x^7+2*x^8+9*x^3+7*x^2+11*x^4)/(x-1)/$   
 $(x^2+x+1)/(x^4+x^3+x^2+x+1)/(1+x^2)$  lgdogf  
A047264 11.3929 [  $x*(x+5)/(x+1)/(x-1)^2$  ogf]  
A047264 19.9269  $-2*(3+8*x+x^2)/(x+5)/(x-1)/(x+1)$  lgdogf  
A047264 5.85041 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 6\}$ ,

ogf]

A047266 12.6844 [  $x*(x^2+4*x+1)/(x^2+x+1)/(x-1)^2$  ogf]

A047266 14.7646  $-(5+7*x+13*x^3+9*x^2+2*x^4)/(x-1)/(x^2+x+1)/(x^2+4*x+1)$  lgdogf

A047266 5.05818 [  $\{(-n-3)*a(n+1)-a(n+2)-a(n+3)+(n+2)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 6\}$ , ogf]

A047267 11.7358  $-(5+7*x+10*x^3+12*x^2+2*x^4)/(x-1)/(x+2)/(x+1)/(x^2+x+1)$  lgdogf

A047267 12.6844 [  $x*(x+2)*(x+1)/(x^2+x+1)/(x-1)^2$  ogf]

A047267 4.99687 [  $\{(6*n+19)*a(n+1)+6*a(n+2)+6*a(n+3)+(-6*n-13)*a(n+4), a(0) = 0, a(1) = 2, a(2) = 5, a(3) = 6\}$ , ogf]

A047268 10.4318  $-(2+8*x+x^5+7*x^3+11*x^2+7*x^4)/(x-1)/(x^2+x+1)/(x^3+3*x^2+x+1)$  lgdogf

A047268 12.0091 [  $(x^3+3*x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]

A047268 5.02198 [  $\{(-3*n-10)*a(n+1)-3*a(n+2)-3*a(n+3)+(3*n+7)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 7\}$ , ogf]

A047269 11.0767 [  $x*(x^3+3*x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]

A047269 8.90564  $-2*(1+4*x+5*x^5+x^6+5*x^3+4*x^2+4*x^4)/(x-1)/(x+1)/(1+x^2)/(x^3+3*x^2+x+1)$  lgdogf

A047270 10.7100 [  $(x^2+2*x+3)/(x+1)/(x-1)^2$  ogf]

A047270 14.8293  $-(5+13*x+x^3+5*x^2)/(x-1)/(x+1)/(x^2+2*x+3)$  lgdogf

A047270 5.83310 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 5, a(2) = 9\}$ , ogf]

A047271 11.9491  $-(5+7*x+7*x^3+15*x^2+2*x^4)/(x-1)/(x^2+x+1)/(x^2+2*x+3)$  lgdogf

A047271 12.6844 [  $x*(x^2+2*x+3)/(x^2+x+1)/(x-1)^2$  ogf]

A047271 5.02734 [  $\{(-3*n-10)*a(n+1)-3*a(n+2)-3*a(n+3)+(3*n+7)*a(n+4), a(0) = 0, a(1) = 3, a(2) = 5, a(3) = 6\}$ , ogf]

A047273 12.1053 [  $x*(x^2+x+1)/(x^2+1)/(x-1)^2$  ogf]

A047273 18.1446  $-(3+x+3*x^3+3*x^2+2*x^4)/(x-1)/(1+x^2)/(x^2+x+1)$  lgdogf

A047273 26.6877 [  $x^3-x^2-x+3$  ogf\_with\_Euler\_transform]

A047273 4.53173 [  $\{(-n-3)*a(n+1)+(n+2)*a(n+2)+(-n-3)*a(n+3)+(n+2)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 5\}$ , ogf]

A047274 11.5302 [  $x*(6*x+1)/(x+1)/(x-1)^2$  ogf]

A047274 18.4424  $-(7+9*x+12*x^2)/(x-1)/(6*x+1)/(x+1)$  lgdogf

A047274 5.92089 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 7\}$ , ogf]

A047275 11.9109  $-2*(3+4*x+8*x^3+5*x^2+x^4)/(x-1)/(x^2+x+1)/(x^2+5*x+1)$  lgdogf

A047275 12.4591 [  $x*(x^2+5*x+1)/(x^2+x+1)/(x-1)^2$  ogf]

A047275 4.96835 [  $\{(-n-3)*a(n+1)-a(n+2)-a(n+3)+(n+2)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 7\}$ , ogf]

A047276 13.9037 [  $(x^2+4*x+2)/(x+1)/(x-1)^2$  ogf]

A047276 19.3446  $-(6+12*x+x^3+9*x^2)/(x-1)/(x+1)/(x^2+4*x+2)$  lgdogf

A047276 7.57257 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 6, a(2) = 9\}$ , ogf]

A047277 11.7665  $-(x+1)*(2*x^3+11*x^2+2*x+6)/(x-1)/(x^2+x+1)/(x^2+4*x+2)$  lgdogf

A047277 12.5223 [  $x*(x^2+4*x+2)/(x^2+x+1)/(x-1)^2$  ogf]

A047277 4.93304 [  $\{(-7*n-22)*a(n+1)-7*a(n+2)-7*a(n+3)+(7*n+15)*a(n+4), a(0) = 0, a(1) = 2, a(2) = 6, a(3) = 7\}$ , ogf]

A047278 10.1118  $-(2+10*x+x^5+8*x^3+12*x^2+9*x^4)/(x-1)/(x^2+x+1)/(x^3+4*x^2+x+1)$  lgdogf

A047278 11.8560 [  $(x^3+4*x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]

A047278 4.92809 [  $\{(7*n+23)*a(n+1)+7*a(n+2)+7*a(n+3)+(-7*n-16)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 8\}$ , ogf]

A047279 11.2651 [  $x*(x^3+4*x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]

A047279 8.55866  $-(2+10*x+13*x^5+2*x^6+11*x^3+9*x^2+9*x^4)/(x-1)/(x+1)/(x^3+4*x^2+x+1)/(1+x^2)$  lgdogf

A047280 13.6457 [  $(x^2+3*x+3)/(x+1)/(x-1)^2$  ogf]

A047280 19.4321  $-(x+3)*(x^2+4*x+2)/(x-1)/(x+1)/(x^2+3*x+3)$  lgdogf

A047280 7.36628 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 6, a(2) = 10\}$ , ogf]

A047281 12.0579  $-2*(3+4*x+5*x^3+8*x^2+x^4)/(x-1)/(x^2+x+1)/(x^2+3*x+3)$  lgdogf

A047281 12.5856 [  $x*(x^2+3*x+3)/(x^2+x+1)/(x-1)^2$  ogf]

A047281 4.95796 [  $\{(7*n+23)*a(n+1)+7*a(n+2)+7*a(n+3)+(-7*n-16)*a(n+4), a(0) = 0, a(1) = 3, a(2) = 6, a(3) = 7\}$ , ogf]

A047282 11.9156 [  $(x^3+3*x^2+2*x+1)/(x^2+x+1)/(x-1)^2$  ogf]

A047282 4.95286 [  $\{(7*n+24)*a(n+1)+7*a(n+2)+7*a(n+3)+(-7*n-17)*a(n+4), a(0) = 1,$

$a(1) = 3, a(2) = 6, a(3) = 8$ , ogf]  
A047282 9.86557  $-(3+9*x+x^5+10*x^3+12*x^2+7*x^4)/(x-1)/(x^2+x+1)/(x^3+3*x^2+2*x+1)$  lgdogf  
A047283 11.0524 [  $x*(x^3+3*x^2+2*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047283 8.20356  $-(3+9*x+10*x^5+2*x^6+11*x^3+9*x^2+12*x^4)/(x-1)/(x+1)/(1+x^2)/(x^3+3*x^2+2*x+1)$  lgdogf  
A047284 10.3984  $-(3+9*x+x^5+7*x^3+15*x^2+7*x^4)/(x-1)/(x^2+x+1)/(x^3+3*x^2+x+2)$  lgdogf  
A047284 11.9751 [  $(x^3+3*x^2+x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A047284 4.97762 [  $\{(7*n+25)*a(n+1)+7*a(n+2)+7*a(n+3)+(-7*n-18)*a(n+4), a(0) = 2, a(1) = 3, a(2) = 6, a(3) = 9\}$ , ogf]  
A047285 11.1093 [  $x*(x^3+3*x^2+x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047285 8.52739  $-(3+9*x+10*x^5+2*x^6+15*x^3+9*x^2+8*x^4)/(x-1)/(x+1)/(1+x^2)/(x^3+3*x^2+x+2)$  lgdogf  
A047286 10.5862 [  $(x^4+3*x^3+x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047286 7.71525  $-(2+4*x+7*x^5+7*x^6+x^7+14*x^3+12*x^2+9*x^4)/(x-1)/(x+1)/(1+x^2)/(x^4+3*x^3+x^2+x+1)$  lgdogf  
A047287 6.96781  $-2*(1+2*x+5*x^5+4*x^6+5*x^7+x^8+5*x^3+6*x^2+6*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+3*x^3+x^2+x+1)$  lgdogf  
A047287 8.23584 [  $x*(x^4+3*x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047288 10.7823 [  $(x^2+2*x+4)/(x+1)/(x-1)^2$  ogf]  
A047288 14.9337  $-(6+16*x+x^3+5*x^2)/(x-1)/(x+1)/(x^2+2*x+4)$  lgdogf  
A047288 5.82051 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 6, a(2) = 11\}$ , ogf]  
A047289 12.5856 [  $x*(x^2+2*x+4)/(x^2+x+1)/(x-1)^2$  ogf]  
A047289 14.6496  $-(6+8*x+7*x^3+19*x^2+2*x^4)/(x-1)/(x^2+x+1)/(x^2+2*x+4)$  lgdogf  
A047289 4.95796 [  $\{(-7*n-24)*a(n+1)-7*a(n+2)-7*a(n+3)+(7*n+17)*a(n+4), a(0) = 0, a(1) = 4, a(2) = 6, a(3) = 7\}$ , ogf]  
A047290 10.1739  $-(x+1)*(x^4+4*x^3+8*x^2+4*x+4)/(x-1)/(x^2+x+1)/(x^3+2*x^2+3*x+1)$  lgdogf  
A047290 11.9156 [  $(x^3+2*x^2+3*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047290 4.95286 [  $\{(-7*n-25)*a(n+1)-7*a(n+2)-7*a(n+3)+(7*n+18)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 6, a(3) = 8\}$ , ogf]  
A047291 11.0524 [  $x*(x^3+2*x^2+3*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047291 8.30874  $-(4+8*x+7*x^5+2*x^6+11*x^3+9*x^2+15*x^4)/(x-1)/(x+1)/(1+x^2)/(x^3+2*x^2+3*x+1)$  lgdogf  
A047292 12.2618 [  $(x^3+2*x^2+2*x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A047292 12.7624  $-(4+8*x+x^5+9*x^3+15*x^2+5*x^4)/(x-1)/(x^2+x+1)/(x^3+2*x^2+2*x+2)$  lgdogf  
A047292 5.09676 [  $\{(7*n+26)*a(n+1)+7*a(n+2)+7*a(n+3)+(-7*n-19)*a(n+4), a(0) = 2, a(1) = 4, a(2) = 6, a(3) = 9\}$ , ogf]  
A047293 11.1093 [  $x*(x^3+2*x^2+2*x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047293 8.75786  $-(x^2+x+2)*(2*x^4+5*x^3+2*x^2+3*x+2)/(x-1)/(x+1)/(1+x^2)/(x^3+2*x^2+2*x+2)$  lgdogf  
A047294 10.5862 [  $(x^4+2*x^3+2*x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047294 7.53583  $-(2+6*x+9*x^5+5*x^6+x^7+14*x^3+10*x^2+9*x^4)/(x-1)/(x+1)/(1+x^2)/(x^4+2*x^3+2*x^2+x+1)$  lgdogf  
A047295 6.48489  $-(2+6*x+10*x^5+11*x^6+7*x^7+2*x^8+10*x^3+10*x^2+12*x^4)/(x-1)/(x^4+2*x^3+2*x^2+x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047295 8.23584 [  $x*(x^4+2*x^3+2*x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047296 10.1603  $-(4+8*x+x^5+6*x^3+18*x^2+5*x^4)/(x-1)/(x^2+x+1)/(x^3+2*x^2+x+3)$  lgdogf  
A047296 12.0347 [  $(x^3+2*x^2+x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
A047296 4.97243 [  $\{(7*n+27)*a(n+1)+7*a(n+2)+7*a(n+3)+(-7*n-20)*a(n+4), a(0) = 3, a(1) = 4, a(2) = 6, a(3) = 10\}$ , ogf]  
A047297 11.1663 [  $x*(x^3+2*x^2+x+3)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047297 8.69476  $-(4+8*x+7*x^5+2*x^6+19*x^3+9*x^2+7*x^4)/(x-1)/(x+1)/(1+x^2)/(x^3+2*x^2+x+3)$  lgdogf  
A047298 10.6402 [  $(x^4+2*x^3+x^2+2*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047298 7.49548  $-(3+5*x+6*x^5+5*x^6+x^7+14*x^3+10*x^2+12*x^4)/(x-1)/(x+1)/(1+x^2)/(x^4+2*x^3+x^2+2*x+1)$  lgdogf

A047299 6.59017  $-(3+5*x+14*x^5+7*x^6+7*x^7+2*x^8+10*x^3+10*x^2+12*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+2*x^3+x^2+2*x+1)$  lgdogf  
A047299 8.28575 [  $x*(x^4+2*x^3+x^2+2*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047300 10.6943 [  $(x^4+2*x^3+x^2+x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047300 7.76318  $-(3+5*x+6*x^5+5*x^6+x^7+18*x^3+10*x^2+8*x^4)/(x-1)/(x+1)/(1+x^2)/(x^4+2*x^3+x^2+x+2)$  lgdogf  
A047301 6.79399  $-(3+5*x+9*x^5+7*x^6+7*x^7+2*x^8+10*x^3+10*x^2+17*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+2*x^3+x^2+x+2)$  lgdogf  
A047301 8.28575 [  $x*(x^4+2*x^3+x^2+x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047302 6.27635  $-(2+4*x+x^9+10*x^5+8*x^6+6*x^7+5*x^8+12*x^3+6*x^2+16*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+2*x^4+x^3+x^2+x+1)$  lgdogf  
A047302 7.94340 [  $(x^5+2*x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047303 5.29212  $-(2+4*x+7*x^9+2*x^{10}+13*x^5+11*x^6+9*x^7+7*x^8+12*x^3+6*x^2+11*x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+2*x^4+x^3+x^2+x+1)$  lgdogf  
A047303 8.99127 [  $x*(x^5+2*x^4+x^3+x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf ]  
A047304 23.0417 [  $-x^6+x^5+2$  ogf\_with\_Euler\_transform ]  
A047304 5.07732  $-(2+4*x+5*x^9+3*x^{10}+x^{11}+18*x^5+11*x^6+9*x^7+7*x^8+8*x^3+6*x^2+10*x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A047304 7.21662 [  $(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf ]  
A047305 6.41665  $-(3+5*x+x^9+9*x^5+7*x^6+5*x^7+3*x^8+9*x^3+7*x^2+21*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+x^4+x^3+x^2+x+2)$  lgdogf  
A047305 7.81392 [  $(x^5+x^4+x^3+x^2+x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047306 5.45812  $-(3+5*x+4*x^9+2*x^{10}+19*x^5+10*x^6+8*x^7+6*x^8+9*x^3+7*x^2+11*x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+x^4+x^3+x^2+x+2)$  lgdogf  
A047306 9.21253 [  $x*(x^5+x^4+x^3+x^2+x+2)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf ]  
A047307 10.7483 [  $(x^4+x^3+x^2+x+3)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047307 8.10040  $-(4+6*x+5*x^5+3*x^6+x^7+22*x^3+8*x^2+7*x^4)/(x-1)/(x+1)/(1+x^2)/(x^4+x^3+x^2+x+3)$  lgdogf  
A047308 6.96862  $-2*(2+3*x+4*x^5+3*x^6+2*x^7+x^8+5*x^3+4*x^2+11*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+3)$  lgdogf  
A047308 8.15009 [  $x*(x^4+x^3+x^2+x+3)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047309 6.23155  $-(3+5*x+x^9+14*x^5+7*x^6+5*x^7+3*x^8+9*x^3+7*x^2+16*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+x^4+x^3+x^2+2*x+1)$  lgdogf  
A047309 7.81392 [  $(x^5+x^4+x^3+x^2+2*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047310 5.36864  $-(3+5*x+4*x^9+2*x^{10}+13*x^5+16*x^6+8*x^7+6*x^8+9*x^3+7*x^2+11*x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+x^4+x^3+x^2+2*x+1)$  lgdogf  
A047310 9.38722 [  $x*(x^5+x^4+x^3+x^2+2*x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf ]  
A047311 10.4935  $-(5+7*x+x^5+5*x^3+21*x^2+3*x^4)/(x-1)/(x^2+x+1)/(x^3+x^2+x+4)$  lgdogf  
A047311 12.0347 [  $(x^3+x^2+x+4)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047311 4.97243 [  $\{(-7*n-29)*a(n+1)-7*a(n+2)-7*a(n+3)+(7*n+22)*a(n+4), a(0) = 4, a(1) = 5, a(2) = 6, a(3) = 11\}$ , ogf ]  
A047312 11.1663 [  $x*(x^3+x^2+x+4)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047312 8.93297  $-(5+7*x+4*x^5+2*x^6+23*x^3+9*x^2+6*x^4)/(x-1)/(x+1)/(x^2+1)/(x^3+x^2+x+4)$  lgdogf  
A047313 10.6402 [  $(x^4+x^3+x^2+3*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047313 9.55552  $-(4+6*x+5*x^5+3*x^6+x^7+14*x^3+8*x^2+15*x^4)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+x^2+3*x+1)$  lgdogf  
A047314 7.01082  $-2*(2+3*x+9*x^5+3*x^6+2*x^7+x^8+5*x^3+4*x^2+6*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+3*x+1)$  lgdogf  
A047314 8.28575 [  $x*(x^4+x^3+x^2+3*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047315 10.6943 [  $(x^4+x^3+x^2+2*x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047315 7.76318  $-(4+6*x+5*x^5+3*x^6+x^7+18*x^3+8*x^2+11*x^4)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+x^2+2*x+2)$  lgdogf



A047316 6.79399  $-(4+6*x+13*x^5+6*x^6+4*x^7+2*x^8+10*x^3+8*x^2+17*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+2*x+2)$  lgdogf  
A047316 8.28575  $[x*(x^4+x^3+x^2+2*x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047317 6.27635  $-(2+6*x+x^9+10*x^5+11*x^6+5*x^7+3*x^8+9*x^3+7*x^2+16*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+x^4+x^3+2*x^2+x+1)$  lgdogf  
A047317 7.94340  $[(x^5+x^4+x^3+2*x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047318 10.0430  $[x*(x^5+x^4+x^3+2*x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A047318 7.16255  $-(2+6*x+4*x^9+2*x^{10}+13*x^5+11*x^6+13*x^7+6*x^8+9*x^3+7*x^2+11*x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+x^4+x^3+2*x^2+x+1)$  lgdogf  
A047319 10.7823  $[(x^2+x+5)/(x+1)/(x-1)^2$  ogf]  
A047319 15.6622  $-(6+18*x+x^3+3*x^2)/(x-1)/(x+1)/(x^2+x+5)$  lgdogf  
A047319 5.82051  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 6, a(2) = 12},$  ogf]  
A047320 12.2854  $-2*(3+4*x+2*x^3+11*x^2+x^4)/(x-1)/(x^2+x+5)/(x^2+x+1)$  lgdogf  
A047320 12.5856  $[x*(x^2+x+5)/(x^2+x+1)/(x-1)^2$  ogf]  
A047320 4.95796  $[{(-7*n-25)*a(n+1)-7*a(n+2)-7*a(n+3)+(7*n+18)*a(n+4), a(0) = 0, a(1) = 5, a(2) = 6, a(3) = 7},$  ogf]  
A047321 10.1739  $-(5+7*x+x^5+14*x^3+12*x^2+3*x^4)/(x-1)/(x^2+x+1)/(x^3+x^2+4*x+1)$  lgdogf  
A047321 11.9156  $[(x^3+x^2+4*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047321 4.95286  $[{(7*n+26)*a(n+1)+7*a(n+2)+7*a(n+3)+(-7*n-19)*a(n+4), a(0) = 1, a(1) = 5, a(2) = 6, a(3) = 8},$  ogf]  
A047322 11.0524  $[x*(x^3+x^2+4*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047322 8.52739  $-(5+7*x+4*x^5+2*x^6+11*x^3+9*x^2+18*x^4)/(x-1)/(x+1)/(x^3+x^2+4*x+1)/(x^2+1)$  lgdogf  
A047323 10.2359  $-(5+7*x+x^5+11*x^3+15*x^2+3*x^4)/(x-1)/(x^2+x+1)/(x^3+x^2+3*x+2)$  lgdogf  
A047323 11.9751  $[(x^3+x^2+3*x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A047323 4.97762  $[{(-7*n-27)*a(n+1)-7*a(n+2)-7*a(n+3)+(7*n+20)*a(n+4), a(0) = 2, a(1) = 5, a(2) = 6, a(3) = 9},$  ogf]  
A047324 11.1093  $[x*(x^3+x^2+3*x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047324 8.52739  $-(5+7*x+4*x^5+2*x^6+15*x^3+9*x^2+14*x^4)/(x-1)/(x+1)/(x^2+1)/(x^3+x^2+3*x+2)$  lgdogf  
A047325 10.5862  $[(x^4+x^3+3*x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047325 7.71525  $-(2+8*x+11*x^5+3*x^6+x^7+14*x^3+8*x^2+9*x^4)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+3*x^2+x+1)$  lgdogf  
A047326 6.96781  $-2*(1+4*x+5*x^5+7*x^6+2*x^7+x^8+5*x^3+4*x^2+6*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+x^3+3*x^2+x+1)$  lgdogf  
A047326 8.23584  $[x*(x^4+x^3+3*x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047327 10.1603  $-(5+7*x+x^5+8*x^3+18*x^2+3*x^4)/(x-1)/(x^2+x+1)/(x^3+x^2+2*x+3)$  lgdogf  
A047327 12.0347  $[(x^3+x^2+2*x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
A047327 5.03270  $[{(n+4)*a(n+1)+a(n+2)+a(n+3)+(-n-3)*a(n+4), a(0) = 3, a(1) = 5, a(2) = 6, a(3) = 10},$  ogf]  
A047328 10.5614  $-(5+7*x+4*x^5+2*x^6+19*x^3+9*x^2+10*x^4)/(x-1)/(x+1)/(x^2+1)/(x^3+x^2+2*x+3)$  lgdogf  
A047328 11.1663  $[x*(x^3+x^2+2*x+3)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047329 10.6402  $[(x^4+x^3+2*x^2+2*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047329 7.58264  $-(3+7*x+8*x^5+3*x^6+x^7+14*x^3+8*x^2+12*x^4)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+2*x^2+2*x+1)$  lgdogf  
A047330 6.86476  $-(x+1)*(2*x^7+2*x^6+8*x^5+6*x^4+6*x^3+4*x^2+4*x+3)/(x-1)/(x^4+x^3+2*x^2+2*x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047330 8.28575  $[x*(x^4+x^3+2*x^2+2*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047331 10.6943  $[(x^4+x^3+2*x^2+x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047331 8.81225  $-(x^4+3*x^3+6*x^2+x+3)*(x^3+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+2*x^2+x+2)$  lgdogf  
A047332 6.79399  $-(3+7*x+9*x^5+10*x^6+4*x^7+2*x^8+10*x^3+8*x^2+17*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+x^3+2*x^2+x+2)$  lgdogf  
A047332 8.28575  $[x*(x^4+x^3+2*x^2+x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]

A047335 11.3341 [  $x^*(x+6)/(x+1)/(x-1)^2$  ogf]  
A047335 19.2232  $-(7+19*x+2*x^2)/(x-1)/(x+6)/(x+1)$  lgdogf  
A047335 5.82020 [ $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 7\}$ , ogf]  
A047336 14.1624 [  $(x^2+5*x+1)/(x+1)/(x-1)^2$  ogf]  
A047336 19.2620  $-(6+10*x+x^3+11*x^2)/(x-1)/(x+1)/(x^2+5*x+1)$  lgdogf  
A047336 7.71345 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 6, a(2) = 8\}$ , ogf]  
A047337 6.82265  $-2*(1+2*x+5*x^5+4*x^6+3*x^7+3*x^8+8*x^3+3*x^2+6*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(3*x^4+x^3+x^2+x+1)$  lgdogf  
A047337 8.23584 [  $x*(3*x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047338 10.5862 [  $(3*x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047338 7.62449  $-(2+4*x+7*x^5+5*x^6+3*x^7+20*x^3+6*x^2+9*x^4)/(x-1)/(x+1)/(x^2+1)/(3*x^4+x^3+x^2+x+1)$  lgdogf  
A047339 10.0784  $-(3+5*x+3*x^5+7*x^3+19*x^2+5*x^4)/(x-1)/(3*x^3+x^2+x+2)/(x^2+x+1)$  lgdogf  
A047339 11.9751 [  $(3*x^3+x^2+x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A047339 4.97762 [ $\{(7*n+23)*a(n+1)+7*a(n+2)+7*a(n+3)+(-7*n-16)*a(n+4), a(0) = 2, a(1) = 3, a(2) = 4, a(3) = 9\}$ , ogf]  
A047340 10.7655  $-(3+5*x+6*x^5+6*x^6+15*x^3+13*x^2+8*x^4)/(x-1)/(x+1)/(3*x^3+x^2+x+2)/(x^2+1)$  lgdogf  
A047340 11.3795 [  $x*(3*x^3+x^2+x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047341 10.7823 [  $(3*x^2+x+3)/(x+1)/(x-1)^2$  ogf]  
A047341 14.2700  $-(4+16*x+3*x^3+5*x^2)/(x-1)/(x+1)/(3*x^2+x+3)$  lgdogf  
A047341 5.82051 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 4, a(2) = 10\}$ , ogf]  
A047342 12.5856 [  $x*(3*x^2+x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
A047342 14.3880  $-2*(2+5*x+3*x^3+8*x^2+3*x^4)/(x-1)/(3*x^2+x+3)/(x^2+x+1)$  lgdogf  
A047342 5.01879 [ $\{(n+3)*a(n+1)+a(n+2)+a(n+3)+(-n-2)*a(n+4), a(0) = 0, a(1) = 3, a(2) = 4, a(3) = 7\}$ , ogf]  
A047343 11.9156 [  $(3*x^3+x^2+2*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047343 4.95286 [ $\{(7*n+22)*a(n+1)+7*a(n+2)+7*a(n+3)+(-7*n-15)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 8\}$ , ogf]  
A047343 9.57541  $-(3+5*x+3*x^5+10*x^3+16*x^2+5*x^4)/(x-1)/(x^2+x+1)/(3*x^3+x^2+2*x+1)$  lgdogf  
A047344 11.0524 [  $x*(3*x^3+x^2+2*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047344 8.20356  $-(3+5*x+6*x^5+6*x^6+11*x^3+13*x^2+12*x^4)/(x-1)/(x+1)/(x^2+1)/(3*x^3+x^2+2*x+1)$  lgdogf  
A047345 13.7003 [  $x*(3*x+4)/(x+1)/(x-1)^2$  ogf]  
A047345 21.9669  $-(7+15*x+6*x^2)/(x-1)/(3*x+4)/(x+1)$  lgdogf  
A047345 7.03530 [ $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 7\}$ , ogf]  
A047346 13.4972  $-(4+12*x+3*x^3+9*x^2)/(x-1)/(x+1)/(3*x^2+3*x+1)$  lgdogf  
A047346 14.8171 [  $(3*x^2+3*x+1)/(x+1)/(x-1)^2$  ogf]  
A047346 8.07001 [ $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 8\}$ , ogf]  
A047347 12.7624 [  $x*(3*x^2+3*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047347 14.0892  $-2*(2+5*x+6*x^3+5*x^2+3*x^4)/(x-1)/(x^2+x+1)/(3*x^2+3*x+1)$  lgdogf  
A047347 5.02759 [ $\{(-7*n-19)*a(n+1)-7*a(n+2)-7*a(n+3)+(7*n+12)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 7\}$ , ogf]  
A047348 10.7185 [  $(3*x^2+2*x+2)/(x+1)/(x-1)^2$  ogf]  
A047348 13.8752  $-(3*x+1)*(x^2+2*x+4)/(x-1)/(x+1)/(3*x^2+2*x+2)$  lgdogf  
A047348 5.83773 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 4, a(2) = 9\}$ , ogf]  
A047349 12.8258 [  $x*(3*x^2+2*x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A047349 14.1603  $-(4+10*x+9*x^3+13*x^2+6*x^4)/(x-1)/(x^2+x+1)/(3*x^2+2*x+2)$  lgdogf  
A047349 5.05261 [ $\{(-7*n-20)*a(n+1)-7*a(n+2)-7*a(n+3)+(7*n+13)*a(n+4), a(0) = 0, a(1) = 2, a(2) = 4, a(3) = 7\}$ , ogf]  
A047350 11.8560 [  $(3*x^3+2*x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047350 4.98819 [ $\{(n+3)*a(n+1)+a(n+2)+a(n+3)+(-n-2)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$ , ogf]

A047350 9.65906  $-(2+6*x+3*x^5+8*x^3+16*x^2+7*x^4)/(x-1)/(x^2+x+1)/(3*x^3+2*x^2+x+1)$  lgdogf  
A047351 11.2651 [  $x*(3*x^3+2*x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047351 8.44894  $-(2+6*x+9*x^5+6*x^6+11*x^3+13*x^2+9*x^4)/(x-1)/(x+1)/(x^2+1)/(3*x^3+2*x^2+x+1)$  lgdogf  
A047352 11.5988 [  $x*(5*x+2)/(x+1)/(x-1)^2$  ogf]  
A047352 18.0388  $-(7+11*x+10*x^2)/(x-1)/(5*x+2)/(x+1)$  lgdogf  
A047352 5.95614 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 2, a(2) = 7\}$ , ogf]  
A047353 10.9023 [  $(5*x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A047353 14.4310  $-(2+14*x+5*x^3+7*x^2)/(x-1)/(x+1)/(5*x^2+x+1)$  lgdogf  
A047353 5.93788 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A047354 11.4146  $-2*(1+6*x+4*x^3+5*x^2+5*x^4)/(x-1)/(x^2+x+1)/(5*x^2+x+1)$  lgdogf  
A047354 12.6989 [  $x*(5*x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047354 5.00258 [  $\{(7*n+17)*a(n+1)+7*a(n+2)+7*a(n+3)+(-7*n-10)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 7\}$ , ogf]  
A047355 14.7364 [  $x*(4*x+3)/(x+1)/(x-1)^2$  ogf]  
A047355 23.6497  $-(7+13*x+8*x^2)/(x-1)/(4*x+3)/(x+1)$  lgdogf  
A047355 7.56732 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 7\}$ , ogf]  
A047356 10.6547 [  $(4*x^2+2*x+1)/(x+1)/(x-1)^2$  ogf]  
A047356 13.4972  $-(3+13*x+4*x^3+8*x^2)/(x-1)/(x+1)/(4*x^2+2*x+1)$  lgdogf  
A047356 5.80298 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 8\}$ , ogf]  
A047357 12.4591 [  $x*(4*x^2+2*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047357 14.2412  $-(x+1)*(8*x^3+2*x^2+8*x+3)/(x-1)/(x^2+x+1)/(4*x^2+2*x+1)$  lgdogf  
A047357 4.90813 [  $\{(-7*n-18)*a(n+1)-7*a(n+2)-7*a(n+3)+(7*n+11)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 7\}$ , ogf]  
A047358 10.7185 [  $(4*x^2+x+2)/(x+1)/(x-1)^2$  ogf]  
A047358 14.1835  $-(3+15*x+4*x^3+6*x^2)/(x-1)/(x+1)/(4*x^2+x+2)$  lgdogf  
A047358 5.83773 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 3, a(2) = 9\}$ , ogf]  
A047359 11.5564  $-(3+11*x+7*x^3+13*x^2+8*x^4)/(x-1)/(x^2+x+1)/(4*x^2+x+2)$  lgdogf  
A047359 12.5223 [  $x*(4*x^2+x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A047359 4.93304 [  $\{(7*n+19)*a(n+1)+7*a(n+2)+7*a(n+3)+(-7*n-12)*a(n+4), a(0) = 0, a(1) = 2, a(2) = 3, a(3) = 7\}$ , ogf]  
A047360 11.8560 [  $(4*x^3+x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047360 12.1458  $-2*(1+2*x+2*x^5+4*x^3+9*x^2+3*x^4)/(x-1)/(x^2+x+1)/(4*x^3+x^2+x+1)$  lgdogf  
A047360 4.92809 [  $\{(7*n+20)*a(n+1)+7*a(n+2)+7*a(n+3)+(-7*n-13)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 8\}$ , ogf]  
A047361 11.2651 [  $x*(4*x^3+x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047361 8.67128  $-(2+4*x+7*x^5+8*x^6+11*x^3+15*x^2+9*x^4)/(x-1)/(x+1)/(x^2+1)/(4*x^3+x^2+x+1)$  lgdogf  
A047362 10.6943 [  $(2*x^2+3*x+2)*(x^2-x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047362 7.32704  $-(3+5*x+6*x^5+4*x^6+2*x^7+21*x^3+7*x^2+8*x^4)/(x-1)/(x+1)/(x^2+1)/(2*x^2+3*x+2)/(x^2-x+1)$  lgdogf  
A047363 6.59017  $-(3+5*x+9*x^5+7*x^6+5*x^7+4*x^8+13*x^3+7*x^2+17*x^4)/(x-1)/(2*x^2+3*x+2)/(x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047363 8.28575 [  $x*(2*x^2+3*x+2)*(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047364 12.0347 [  $(2*x^3+x^2+x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
A047364 4.97243 [  $\{(-7*n-26)*a(n+1)-7*a(n+2)-7*a(n+3)+(7*n+19)*a(n+4), a(0) = 3, a(1) = 4, a(2) = 5, a(3) = 10\}$ , ogf]  
A047364 9.84771  $-2*(2+3*x+x^5+3*x^3+10*x^2+2*x^4)/(x-1)/(2*x^3+x^2+x+3)/(x^2+x+1)$  lgdogf  
A047365 11.1663 [  $x*(2*x^3+x^2+x+3)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047365 8.58035  $-(4+6*x+5*x^5+4*x^6+19*x^3+11*x^2+7*x^4)/(x-1)/(x+1)/(2*x^3+x^2+x+3)/(x^2+1)$  lgdogf  
A047366 10.6402 [  $(2*x^4+x^3+x^2+2*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047366 7.41030  $-(3+5*x+6*x^5+4*x^6+2*x^7+17*x^3+7*x^2+12*x^4)/(x-1)/(x+1)/(x^2+1)/(2*x^4+x^3+x^2+2*x+1)$  lgdogf  
A047367 6.65674  $-(3+5*x+14*x^5+7*x^6+5*x^7+4*x^8+13*x^3+7*x^2+12*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(2*x^4+x^3+x^2+2*x+1)$  lgdogf  
A047367 8.28575 [  $x*(2*x^4+x^3+x^2+2*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]

A047368 5.33550  $-(2+4*x$   
 $+5*x^9+4*x^{10}+13*x^5+11*x^6+9*x^7+7*x^8+8*x^3+6*x^2+15*x^4)/(x-1)/(x+1)/(x^2+x$   
 $+1)/(x^2-x+1)/(2*x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A047368 9.16528  $[x*(2*x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$   
 $ogf]$   
A047369 6.27635  $-2*(1+2*x+x^9+5*x^5+4*x^6+3*x^7+2*x^8+4*x^3+3*x^2+10*x^4)/(x-1)/$   
 $(x^4+x^3+x^2+x+1)/(2*x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A047369 9.56226  $[(2*x^5+x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047370 11.9751  $[(2*x^3+2*x^2+x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A047370 12.0872  $-(3+7*x+2*x^5+7*x^3+17*x^2+6*x^4)/(x-1)/(x^2+x+1)/(2*x^3+2*x^2+x$   
 $+2)$  lgdogf  
A047370 4.97762  $[{(-7*n-24)*a(n+1)-7*a(n+2)-7*a(n+3)+(7*n+17)*a(n+4), a(0) = 2,$   
 $a(1) = 3, a(2) = 5, a(3) = 9}],$  ogf]  
A047371 11.1093  $[x*(2*x^3+2*x^2+x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047371 8.30874  $-(3+7*x+8*x^5+4*x^6+15*x^3+11*x^2+8*x^4)/(x-1)/(x+1)/(x^2+1)/$   
 $(2*x^3+2*x^2+x+2)$  lgdogf  
A047372 10.5862  $[(2*x^4+2*x^3+x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047372 7.44921  $-(2+4*x+7*x^5+6*x^6+2*x^7+17*x^3+9*x^2+9*x^4)/(x-1)/(x+1)/$   
 $(x^2+1)/(2*x^4+2*x^3+x^2+x+1)$  lgdogf  
A047373 10.1224  $[x*(2*x^4+2*x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047373 6.82265  $-(x+1)*(4*x^7+4*x^6+4*x^5+6*x^4+6*x^3+7*x^2+2*x+2)/(x-1)/$   
 $(x^4+x^3+x^2+x+1)/(2*x^4+2*x^3+x^2+x+1)$  lgdogf  
A047374 10.7823  $[(2*x^2+x+4)/(x+1)/(x-1)^2$  ogf]  
A047374 14.2700  $-(5+17*x+2*x^3+4*x^2)/(x-1)/(x+1)/(4+x+2*x^2)$  lgdogf  
A047374 5.82051  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 5, a(2) = 11},$   
 $ogf]$   
A047375 11.8387  $-(5+9*x+5*x^3+19*x^2+4*x^4)/(x-1)/(x^2+x+1)/(4+x+2*x^2)$  lgdogf  
A047375 12.5856  $[x*(2*x^2+x+4)/(x^2+x+1)/(x-1)^2$  ogf]  
A047375 4.95796  $[{(-7*n-23)*a(n+1)-7*a(n+2)-7*a(n+3)+(7*n+16)*a(n+4), a(0) = 0,$   
 $a(1) = 4, a(2) = 5, a(3) = 7}],$  ogf]  
A047376 11.9156  $[(2*x^3+x^2+3*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047376 4.95286  $[{(-7*n-24)*a(n+1)-7*a(n+2)-7*a(n+3)+(7*n+17)*a(n+4), a(0) = 1,$   
 $a(1) = 4, a(2) = 5, a(3) = 8}],$  ogf]  
A047376 9.86557  $-2*(2+3*x+x^5+6*x^3+7*x^2+2*x^4)/(x-1)/(x^2+x+1)/(2*x^3+x^2+3*x$   
 $+1)$  lgdogf  
A047377 11.0524  $[x*(2*x^3+x^2+3*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047377 8.20356  $-(4+6*x+5*x^5+4*x^6+11*x^3+11*x^2+15*x^4)/(x-1)/(x+1)/(x^2+1)/$   
 $(2*x^3+x^2+3*x+1)$  lgdogf  
A047378 11.9751  $[(2*x^3+x^2+2*x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A047378 4.97762  $[{(7*n+25)*a(n+1)+7*a(n+2)+7*a(n+3)+(-7*n-18)*a(n+4), a(0) = 2,$   
 $a(1) = 4, a(2) = 5, a(3) = 9}],$  ogf]  
A047378 9.77758  $-(4+6*x+2*x^5+9*x^3+17*x^2+4*x^4)/(x-1)/(x^2+x+1)/(2+2*x$   
 $+x^2+2*x^3)$  lgdogf  
A047379 8.20356  $-(4+6*x+5*x^5+4*x^6+15*x^3+11*x^2+11*x^4)/(x-1)/(x+1)/(x^2+1)/$   
 $(2+2*x+x^2+2*x^3)$  lgdogf  
A047379 9.04325  $[x*(2*x^3+x^2+2*x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047380 10.5862  $[(2*x^4+x^3+2*x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047380 7.44921  $-(2+6*x+9*x^5+4*x^6+2*x^7+17*x^3+7*x^2+9*x^4)/(x-1)/(x+1)/$   
 $(x^2+1)/(2*x^4+x^3+2*x^2+x+1)$  lgdogf  
A047381 6.54974  $-(2+6*x+10*x^5+11*x^6+5*x^7+4*x^8+13*x^3+7*x^2+12*x^4)/(x-1)/$   
 $(x^4+x^3+x^2+x+1)/(2*x^4+x^3+2*x^2+x+1)$  lgdogf  
A047381 8.23584  $[x*(2*x^4+x^3+2*x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047382 11.3341  $[x*(2*x+5)/(x+1)/(x-1)^2$  ogf]  
A047382 18.1248  $-(7+17*x+4*x^2)/(2*x+5)/(x-1)/(x+1)$  lgdogf  
A047382 5.82020  $[{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 7},$   
 $ogf]$   
A047383 10.6547  $[(2*x^2+4*x+1)/(x+1)/(x-1)^2$  ogf]  
A047383 13.2160  $-(5+11*x+2*x^3+10*x^2)/(x-1)/(x+1)/(2*x^2+4*x+1)$  lgdogf  
A047383 5.80298  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 8}],$  ogf]  
A047384 12.4591  $[x*(2*x^2+4*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047384 13.7502  $-(5+9*x+14*x^3+10*x^2+4*x^4)/(x-1)/(x^2+x+1)/(2*x^2+4*x+1)$

lgdogf  
 A047384 4.90813 [  $\{(-7n-20)a(n+1)-7a(n+2)-7a(n+3)+(7n+13)a(n+4), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 7\}$ , ogf]  
 A047385 10.7185 [  $(2x^2+3x+2)/(x+1)/(x-1)^2$  ogf]  
 A047385 13.5800  $-(5+13x+2x^3+8x^2)/(x-1)/(x+1)/(2x^2+3x+2)$  lgdogf  
 A047385 5.83773 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 2, a(1) = 5, a(2) = 9\}$ , ogf]  
 A047386 11.1579  $-(5+9x+11x^3+13x^2+4x^4)/(x-1)/(x^2+x+1)/(2x^2+3x+2)$  lgdogf  
 A047386 12.5223 [  $(2x^2+3x+2)x/(x^2+x+1)/(x-1)^2$  ogf]  
 A047386 4.99357 [  $\{(n+3)a(n+1)+a(n+2)+a(n+3)+(-n-2)a(n+4), a(0) = 0, a(1) = 2, a(2) = 5, a(3) = 7\}$ , ogf]  
 A047387 11.8560 [  $(2x^3+3x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
 A047387 4.92809 [  $\{(-7n-22)a(n+1)-7a(n+2)-7a(n+3)+(7n+15)a(n+4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 8\}$ , ogf]  
 A047387 9.80541  $-2*(1+4x+x^5+4x^3+7x^2+4x^4)/(x-1)/(x^2+x+1)/(2x^3+3x^2+x+1)$  lgdogf  
 A047388 11.2651 [  $x*(2x^3+3x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
 A047388 8.34199  $-(2+8x+11x^5+4x^6+11x^3+11x^2+9x^4)/(x-1)/(x+1)/(x^2+1)/(2x^3+3x^2+x+1)$  lgdogf  
 A047389 10.7823 [  $(2x^2+2x+3)/(x+1)/(x-1)^2$  ogf]  
 A047389 13.6628  $-(5+15x+2x^3+6x^2)/(x-1)/(x+1)/(3+2x+2x^2)$  lgdogf  
 A047389 5.82051 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 5, a(2) = 10\}$ , ogf]  
 A047390 12.8893 [  $x*(2x^2+2x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
 A047390 14.4812  $-(5+9x+8x^3+16x^2+4x^4)/(x-1)/(x^2+x+1)/(3+2x+2x^2)$  lgdogf  
 A047390 5.07762 [  $\{(-7n-22)a(n+1)-7a(n+2)-7a(n+3)+(7n+15)a(n+4), a(0) = 0, a(1) = 3, a(2) = 5, a(3) = 7\}$ , ogf]  
 A047391 11.9156 [  $(2x^3+2x^2+2x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
 A047391 4.95286 [  $\{(-7n-23)a(n+1)-7a(n+2)-7a(n+3)+(7n+16)a(n+4), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 8\}$ , ogf]  
 A047391 9.30182  $-(3+7x+2x^5+10x^3+14x^2+6x^4)/(x-1)/(x^2+x+1)/(2x^3+2x^2+2x+1)$  lgdogf  
 A047392 11.0524 [  $x*(2x^3+2x^2+2x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
 A047392 8.00100  $-(3+7x+8x^5+4x^6+11x^3+11x^2+12x^4)/(x-1)/(x+1)/(x^2+1)/(2x^3+2x^2+2x+1)$  lgdogf  
 A047393 14.8794 [  $x*(7x+1)/(x+1)/(x-1)^2$  ogf]  
 A047393 23.2193  $-2*(4+5x+7x^2)/(x-1)/(7x+1)/(x+1)$  lgdogf  
 A047393 7.64079 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 8\}$ , ogf]  
 A047394 10.9831  $-(6+10x+17x^3+11x^2+4x^4)/(x-1)/(x^2+x+1)/(2x^2+5x+1)$  lgdogf  
 A047394 12.5350 [  $x*(2x^2+5x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
 A047394 4.93802 [  $\{(-8n-23)a(n+1)-8a(n+2)-8a(n+3)+(8n+15)a(n+4), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 8\}$ , ogf]  
 A047395 12.5980 [  $2x*(x+1)^2/(x^2+x+1)/(x-1)^2$  ogf]  
 A047395 21.5677  $-(3+2x+2x^3+5x^2)/(x^2+x+1)/(x-1)/(x+1)$  lgdogf  
 A047395 28.1210 [  $3-2x+1/2x^2$  egf\_with\_Euler\_transform]  
 A047395 5.02373 [  $\{(-n-3)a(n+1)-a(n+2)-a(n+3)+(n+2)a(n+4), a(0) = 0, a(1) = 2, a(2) = 6, a(3) = 8\}$ , ogf]  
 A047396 11.9270 [  $(2x^3+4x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
 A047396 4.95760 [  $\{(-8n-25)a(n+1)-8a(n+2)-8a(n+3)+(8n+17)a(n+4), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 9\}$ , ogf]  
 A047396 9.44862  $-(2+10x+2x^5+9x^3+15x^2+10x^4)/(x-1)/(x^2+x+1)/(2x^3+4x^2+x+1)$  lgdogf  
 A047397 11.1808 [  $x*(2x^3+4x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
 A047397 8.32292  $-2*(1+5x+7x^5+2x^6+6x^3+6x^2+5x^4)/(x-1)/(x+1)/(x^2+1)/(2x^3+4x^2+x+1)$  lgdogf  
 A047398 13.8454 [  $(2x^2+3x+3)/(x+1)/(x-1)^2$  ogf]  
 A047398 18.0072  $-2*(3+8x+x^3+4x^2)/(x-1)/(x+1)/(2x^2+3x+3)$  lgdogf  
 A047398 7.47409 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 6, a(2) = 11\}$ , ogf]

A047399 11.0501  $-(6+10*x+11*x^3+17*x^2+4*x^4)/(x-1)/(x^2+x+1)/(2*x^2+3*x+3)$   
lgdogf  
A047399 12.5980 [  $x*(2*x^2+3*x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
A047399 4.96284 [  $\{(8*n+25)*a(n+1)+8*a(n+2)+8*a(n+3)+(-8*n-17)*a(n+4), a(0) = 0,$   
 $a(1) = 3, a(2) = 6, a(3) = 8\}$ , ogf]  
A047400 11.9270 [  $(x+1)*(2*x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047400 4.98765 [  $\{(4*n+13)*a(n+1)+4*a(n+2)+4*a(n+3)+(-4*n-9)*a(n+4), a(0) = 1,$   
 $a(1) = 3, a(2) = 6, a(3) = 9\}$ , ogf]  
A047400 9.58757  $-(3+9*x+2*x^5+11*x^3+15*x^2+8*x^4)/(x-1)/(x+1)/(x^2+x+1)/(x$   
 $+1+2*x^2)$  lgdogf  
A047401 11.1808 [  $x*(2*x^2+x+1)/(x^2+1)/(x-1)^2$  ogf]  
A047401 12.4844  $-(3+3*x+3*x^3+3*x^2+4*x^4)/(x-1)/(x^2+1)/(x+1+2*x^2)$  lgdogf  
A047402 11.9863 [  $(2*x^3+3*x^2+x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A047402 4.95244 [  $\{(-8*n-27)*a(n+1)-8*a(n+2)-8*a(n+3)+(8*n+19)*a(n+4), a(0) = 2,$   
 $a(1) = 3, a(2) = 6, a(3) = 10\}$ , ogf]  
A047402 9.50681  $-(3+9*x+2*x^5+8*x^3+18*x^2+8*x^4)/(x-1)/(x^2+x+1)/(2*x^3+3*x^2+x$   
 $+2)$  lgdogf  
A047403 10.7266  $-(3+9*x+11*x^5+4*x^6+16*x^3+12*x^2+9*x^4)/(x-1)/(x+1)/(x^2+1)/$   
 $(2*x^3+3*x^2+x+2)$  lgdogf  
A047403 11.7798 [  $x*(2*x^3+3*x^2+x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047404 11.2620  $-2*(1+x^5-x^3+5*x^2+2*x^4)/(x-1)/(x+1)/(x^2+1)/(2*x^2-x+1)$   
lgdogf  
A047404 11.2943 [  $(x+1)*(2*x^2-x+1)/(x^2+1)/(x-1)^2$  ogf]  
A047404 4.20655 [  $\{(-n-3)*a(n+1)+(n+2)*a(n+2)+(-n-3)*a(n+3)+(n+2)*a(n+4), a(0) =$   
 $1, a(1) = 2, a(2) = 3, a(3) = 6\}$ , ogf]  
A047405 7.57491  $-(2+2*x+2*x^5+7*x^6+4*x^7+4*x^3+10*x^2+9*x^4)/(x-1)/(x+1)/$   
 $(2*x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047405 8.28575 [  $x*(2*x^2-x+1)*(x+1)^2/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047406 13.5873 [  $2*(x^2+x+2)/(x+1)/(x-1)^2$  ogf]  
A047406 20.3163  $-(3+9*x+x^3+3*x^2)/(x-1)/(x+1)/(x^2+x+2)$  lgdogf  
A047406 7.33473 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 6, a(2) = 12\}$ ,  
ogf]  
A047407 12.3581 [  $2*x*(x^2+x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A047407 12.3756  $-(3+5*x+4*x^3+10*x^2+2*x^4)/(x-1)/(x^2+x+1)/(x^2+x+2)$  lgdogf  
A047407 4.89802 [  $\{(4*n+13)*a(n+1)+4*a(n+2)+4*a(n+3)+(-4*n-9)*a(n+4), a(0) = 0,$   
 $a(1) = 4, a(2) = 6, a(3) = 8\}$ , ogf]  
A047408 11.9863 [  $(2*x^3+2*x^2+3*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047408 4.98227 [  $\{(-8*n-27)*a(n+1)-8*a(n+2)-8*a(n+3)+(8*n+19)*a(n+4), a(0) = 1,$   
 $a(1) = 4, a(2) = 6, a(3) = 9\}$ , ogf]  
A047408 9.37008  $-(4+8*x+2*x^5+13*x^3+15*x^2+6*x^4)/(x-1)/(x^2+x+1)/$   
 $(2*x^3+2*x^2+3*x+1)$  lgdogf  
A047409 11.2375 [  $x*(2*x^3+2*x^2+3*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047409 8.37429  $-4*(1+2*x+2*x^5+x^6+3*x^3+3*x^2+4*x^4)/(x-1)/(x+1)/(x^2+1)/$   
 $(2*x^3+2*x^2+3*x+1)$  lgdogf  
A047410 10.6815  $-(2+4*x+x^5+5*x^3+9*x^2+3*x^4)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$   
lgdogf  
A047410 12.0457 [  $2*(x^2+1)*(x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047410 28.5428 [  $-x^3+x^2+2$  ogf\_with\_Euler\_transform]  
A047410 5.03728 [  $\{(-2*n-7)*a(n+1)-2*a(n+2)-2*a(n+3)+(2*n+5)*a(n+4), a(0) = 2,$   
 $a(1) = 4, a(2) = 6, a(3) = 10\}$ , ogf]  
A047411 11.5351 [  $(2*x^4+2*x^3+2*x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047411 9.90281  $-2*(1+3*x+5*x^5+3*x^6+x^7+9*x^3+5*x^2+5*x^4)/(x-1)/(x+1)/$   
 $(x^2+1)/(2*x^4+2*x^3+2*x^2+x+1)$  lgdogf  
A047412 10.3820 [  $x*(2*x^4+2*x^3+2*x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047412 6.39822  $-(2+6*x+11*x^5+12*x^6+8*x^7+4*x^8+14*x^3+10*x^2+13*x^4)/(x-1)/$   
 $(x^4+x^3+x^2+x+1)/(2*x^4+2*x^3+2*x^2+x+1)$  lgdogf  
A047413 12.0457 [  $(2*x^3+2*x^2+x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
A047413 4.97695 [  $\{(-8*n-29)*a(n+1)-8*a(n+2)-8*a(n+3)+(8*n+21)*a(n+4), a(0) = 3,$   
 $a(1) = 4, a(2) = 6, a(3) = 11\}$ , ogf]  
A047413 9.56550  $-(4+8*x+2*x^5+7*x^3+21*x^2+6*x^4)/(x-1)/(x^2+x+1)/(2*x^3+2*x^2+x$   
 $+3)$  lgdogf

A047414 11.2943 [  $x*(2*x^3+2*x^2+x+3)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047414 8.64740  $-4*(1+2*x+2*x^5+x^6+5*x^3+3*x^2+2*x^4)/(x-1)/(x+1)/(x^2+1)/(2*x^3+2*x^2+x+3)$  lgdogf  
A047415 12.0091 [  $(2*x^3+x+1)/(x^2+1)/(x-1)^2$  ogf]  
A047415 12.1704  $-(3-x+2*x^5+x^3+9*x^2+2*x^4)/(x-1)/(x^2+1)/(2*x^3+x+1)$  lgdogf  
A047415 4.18498 [  $\{(4*n+13)*a(n+1)+(-4*n-9)*a(n+2)+(4*n+13)*a(n+3)+(-4*n-9)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 6\}$ , ogf]  
A047416 6.86476  $-(3+5*x+15*x^5+8*x^6+8*x^7+4*x^8+14*x^3+10*x^2+13*x^4)/(x-1)/(x+1)/(2*x^3+x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047416 8.28575 [  $x*(x+1)*(2*x^3+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047417 10.5590 [  $(2*x^4+2*x^3+x^2+x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047417 7.51374  $-(3+5*x+7*x^5+6*x^6+2*x^7+22*x^3+10*x^2+9*x^4)/(x-1)/(x+1)/(x^2+1)/(2*x^4+2*x^3+x^2+x+2)$  lgdogf  
A047418 6.48081  $-(3+5*x+10*x^5+8*x^6+8*x^7+4*x^8+14*x^3+10*x^2+18*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(2*x^4+2*x^3+x^2+x+2)$  lgdogf  
A047418 9.94638 [  $x*(2*x^4+2*x^3+x^2+x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047419 6.29205  $-(2+4*x+2*x^9+11*x^5+9*x^6+7*x^7+6*x^8+12*x^3+6*x^2+21*x^4)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(2*x^4+x^2+1)$  lgdogf  
A047419 9.52744 [  $(x+1)*(2*x^4+x^2+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047420 8.18718  $-2*(1+x^5+2*x^6+2*x^8+2*x^3+2*x^2+2*x^4)/(x-1)/(x^2+x+1)/(x^2-x+1)/(2*x^4+x^2+1)$  lgdogf  
A047420 9.21253 [  $x*(2*x^4+x^2+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A047421 8.40938 [  $x*(2*x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047422 5.03067  $-2*(2*x+3*x^9+2*x^{10}+x^{11}+12*x^5+6*x^6+5*x^7+4*x^8+4*x^3+3*x^2+5*x^4+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(2*x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A047422 8.73970 [  $(2*x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A047423 5.92824  $-(3+5*x+2*x^9+10*x^5+8*x^6+6*x^7+4*x^8+9*x^3+7*x^2+26*x^4)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(2*x^4-x^3+2*x^2-x+2)$  lgdogf  
A047423 9.62565 [  $(x+1)*(2*x^4-x^3+2*x^2-x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047424 6.79399  $-(3-x-6*x^5+9*x^6-3*x^7+4*x^8-2*x^3+6*x^2+14*x^4)/(x-1)/(x^2+x+1)/(x^2-x+1)/(2*x^4-x^3+2*x^2-x+2)$  lgdogf  
A047424 7.70097 [  $x*(2*x^4-x^3+2*x^2-x+2)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A047425 10.6126 [  $(2*x^4+x^3+x^2+x+3)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047425 7.82608  $-2*(2+3*x+3*x^5+2*x^6+x^7+13*x^3+4*x^2+4*x^4)/(x-1)/(x+1)/(x^2+1)/(2*x^4+x^3+x^2+x+3)$  lgdogf  
A047426 6.75085  $-(4+6*x+9*x^5+7*x^6+5*x^7+4*x^8+14*x^3+8*x^2+23*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(2*x^4+x^3+x^2+x+3)$  lgdogf  
A047426 9.99793 [  $x*(2*x^4+x^3+x^2+x+3)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047427 6.00075  $-(3+5*x+2*x^9+15*x^5+8*x^6+6*x^7+4*x^8+9*x^3+7*x^2+21*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(2*x^5+x^4+x^3+x^2+2*x+1)$  lgdogf  
A047427 9.57654 [  $(2*x^5+x^4+x^3+x^2+2*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047428 5.28205  $-(3+5*x+5*x^9+4*x^{10}+14*x^5+17*x^6+9*x^7+7*x^8+9*x^3+7*x^2+16*x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(2*x^5+x^4+x^3+x^2+2*x+1)$  lgdogf  
A047428 9.21253 [  $x*(2*x^5+x^4+x^3+x^2+2*x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A047429 11.8190 [  $(2*x^3+x^2+x+4)/(x^2+x+1)/(x-1)^2$  ogf]  
A047429 4.88328 [  $\{(-8*n-31)*a(n+1)-8*a(n+2)-8*a(n+3)+(8*n+23)*a(n+4), a(0) = 4, a(1) = 5, a(2) = 6, a(3) = 12\}$ , ogf]  
A047429 9.92031  $-(5+7*x+2*x^5+6*x^3+24*x^2+4*x^4)/(x-1)/(x^2+x+1)/(2*x^3+x^2+x+4)$  lgdogf  
A047430 11.0811 [  $x*(2*x^3+x^2+x+4)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047430 8.70012  $-(5+7*x+5*x^5+4*x^6+24*x^3+12*x^2+7*x^4)/(x-1)/(x+1)/(x^2+1)/(2*x^3+x^2+x+4)$  lgdogf  
A047431 10.5590 [  $(2*x^3-x^2+2*x+1)/(x^2+1)/(x-1)^2$  ogf]  
A047431 11.8073  $-2*(2-x+x^5+2*x^3+4*x^2)/(x-1)/(x^2+1)/(2*x^3-x^2+2*x+1)$  lgdogf  
A047431 4.14819 [  $\{(-2*n-7)*a(n+1)+(2*n+5)*a(n+2)+(-2*n-7)*a(n+3)+(2*n+5)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 5, a(3) = 6\}$ , ogf]

A047432 6.52492  $-(4+6*x+19*x^5+7*x^6+5*x^7+4*x^8+14*x^3+8*x^2+13*x^4)/(x-1)/(x+1)/(2*x^3-x^2+2*x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047432 9.94638 [  $x*(x+1)*(2*x^3-x^2+2*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047433 10.6126 [  $(2*x^4+x^3+x^2+2*x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047433 7.64617  $-2*(2+3*x+3*x^5+2*x^6+x^7+11*x^3+4*x^2+6*x^4)/(x-1)/(x+1)/(x^2+1)/(2*x^4+x^3+x^2+2*x+2)$  lgdogf  
A047434 6.54628  $-(4+6*x+14*x^5+7*x^6+5*x^7+4*x^8+14*x^3+8*x^2+18*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(2*x^4+x^3+x^2+2*x+2)$  lgdogf  
A047434 9.99793 [  $x*(2*x^4+x^3+x^2+2*x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047435 5.83857  $-(2+6*x+2*x^9+11*x^5+12*x^6+6*x^7+4*x^8+9*x^3+7*x^2+21*x^4)/(x-1)/(x+1)/(x^2-x+1)/(2*x^2+x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047435 9.57654 [  $(x+1)*(x^2-x+1)*(2*x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047436 10.7251 [  $(2*x^2+x+5)/(x+1)/(x-1)^2$  ogf ]  
A047436 14.1944  $-2*(3+10*x+x^3+2*x^2)/(x-1)/(x+1)/(2*x^2+x+5)$  lgdogf  
A047436 5.78967 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 6, a(2) = 13\}$ , ogf ]  
A047437 11.7126  $-(6+10*x+5*x^3+23*x^2+4*x^4)/(x-1)/(x^2+x+1)/(2*x^2+x+5)$  lgdogf  
A047437 12.6610 [  $x*(2*x^2+x+5)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047437 4.98765 [  $\{(-8*n-27)*a(n+1)-8*a(n+2)-8*a(n+3)+(8*n+19)*a(n+4), a(0) = 0, a(1) = 5, a(2) = 6, a(3) = 8\}$ , ogf ]  
A047438 11.9863 [  $(2*x^3+x^2+4*x+1)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047438 5.04303 [  $\{(-2*n-7)*a(n+1)-2*a(n+2)-2*a(n+3)+(2*n+5)*a(n+4), a(0) = 1, a(1) = 5, a(2) = 6, a(3) = 9\}$ , ogf ]  
A047438 9.78964  $-(x+1)*(2*x^4+2*x^3+13*x^2+2*x+5)/(x-1)/(x^2+x+1)/(2*x^3+x^2+4*x+1)$  lgdogf  
A047439 11.2375 [  $x*(2*x^3+x^2+4*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047439 8.26829  $-(5+7*x+5*x^5+4*x^6+12*x^3+12*x^2+19*x^4)/(x-1)/(x+1)/(x^2+1)/(2*x^3+x^2+4*x+1)$  lgdogf  
A047440 12.0457 [  $(2*x^3+x^2+3*x+2)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047440 4.97695 [  $\{(-8*n-29)*a(n+1)-8*a(n+2)-8*a(n+3)+(8*n+21)*a(n+4), a(0) = 2, a(1) = 5, a(2) = 6, a(3) = 10\}$ , ogf ]  
A047440 9.42483  $-(5+7*x+2*x^5+12*x^3+18*x^2+4*x^4)/(x-1)/(x^2+x+1)/(2*x^3+x^2+3*x+2)$  lgdogf  
A047441 11.2943 [  $x*(2*x^3+x^2+3*x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047441 8.31901  $-(5+7*x+5*x^5+4*x^6+16*x^3+12*x^2+15*x^4)/(x-1)/(x+1)/(x^2+1)/(2*x^3+x^2+3*x+2)$  lgdogf  
A047442 10.1379 [  $x*(x^2+1)*(2*x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047442 6.72466  $-(2+8*x+11*x^5+15*x^6+5*x^7+4*x^8+14*x^3+8*x^2+13*x^4)/(x-1)/(x^2+1)/(2*x^2+x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047443 12.0457 [  $(x+1)*(2*x^2-x+3)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047443 4.97695 [  $\{(-4*n-15)*a(n+1)-4*a(n+2)-4*a(n+3)+(4*n+11)*a(n+4), a(0) = 3, a(1) = 5, a(2) = 6, a(3) = 11\}$ , ogf ]  
A047443 9.56550  $-(5+7*x+2*x^5+9*x^3+21*x^2+4*x^4)/(x-1)/(x+1)/(x^2+x+1)/(2*x^2-x+3)$  lgdogf  
A047444 11.2943 [  $x*(2*x^2-x+3)/(x^2+1)/(x-1)^2$  ogf ]  
A047444 12.4000  $-(5-3*x-3*x^3+13*x^2+4*x^4)/(x-1)/(x^2+1)/(2*x^2-x+3)$  lgdogf  
A047444 4.18519 [  $\{(4*n+13)*a(n+1)+(-4*n-9)*a(n+2)+(4*n+13)*a(n+3)+(-4*n-9)*a(n+4), a(0) = 0, a(1) = 3, a(2) = 5, a(3) = 6\}$ , ogf ]  
A047445 10.7614 [  $(2*x^4+x^3+2*x^2+2*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047445 7.30225  $-(3+7*x+9*x^5+4*x^6+2*x^7+18*x^3+8*x^2+13*x^4)/(x-1)/(x+1)/(x^2+1)/(2*x^4+x^3+2*x^2+2*x+1)$  lgdogf  
A047446 10.1379 [  $x*(2*x^4+x^3+2*x^2+2*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047446 6.46095  $-(3+7*x+15*x^5+11*x^6+5*x^7+4*x^8+14*x^3+8*x^2+13*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(2*x^4+x^3+2*x^2+2*x+1)$  lgdogf  
A047447 10.5590 [  $(2*x^4+x^3+2*x^2+x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047447 7.60011  $-(3+7*x+9*x^5+4*x^6+2*x^7+22*x^3+8*x^2+9*x^4)/(x-1)/(x+1)/(x^2+1)/(2*x^4+x^3+2*x^2+x+2)$  lgdogf  
A047448 6.48081  $-(3+7*x+10*x^5+11*x^6+5*x^7+4*x^8+14*x^3+8*x^2+18*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(2*x^4+x^3+2*x^2+x+2)$  lgdogf  
A047448 9.94638 [  $x*(2*x^4+x^3+2*x^2+x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047449 7.70860  $-(2+4*x+2*x^9+11*x^5+9*x^6+9*x^7+4*x^8+9*x^3+9*x^2+21*x^4)/(x-1)/(x+1)/(x^2+1)/(2*x^2+x+1)/(x^4+x^3+x^2+x+1)$  lgdogf



$(x-1)/(x^4+x^3+x^2+x+1)/(2*x^5+x^4+2*x^3+x^2+x+1)$  lgdogf  
A047449 9.99232 [  $(2*x^5+x^4+2*x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047450 5.19821  $-(2+4*x$   
 $+5*x^9+4*x^{10}+14*x^5+12*x^6+10*x^7+11*x^8+9*x^3+9*x^2+16*x^4)/(x-1)/(x+1)/(x^2+x$   
 $+1)/(x^2-x+1)/(2*x^5+x^4+2*x^3+x^2+x+1)$  lgdogf  
A047450 9.21253 [  $x*(2*x^5+x^4+2*x^3+x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$   
ogf]  
A047451 11.2740 [  $2*x*(x+3)/(x+1)/(x-1)^2$  ogf]  
A047451 19.7189  $-2*(2+5*x+x^2)/(x-1)/(x+3)/(x+1)$  lgdogf  
A047451 5.78936 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 8\}$ ,  
ogf]  
A047452 10.5982 [  $(2*x^2+5*x+1)/(x+1)/(x-1)^2$  ogf]  
A047452 13.7175  $-2*(3+6*x+x^3+6*x^2)/(x-1)/(x+1)/(2*x^2+5*x+1)$  lgdogf  
A047452 5.77223 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 6, a(2) = 9\}$ , ogf]  
A047453 10.0862 [  $x*(4*x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047453 6.79399  $-(2+4*x+11*x^5+9*x^6+7*x^7+8*x^8+20*x^3+6*x^2+13*x^4)/(x-1)/$   
 $(x^4+x^3+x^2+x+1)/(4*x^4+x^3+x^2+x+1)$  lgdogf  
A047454 10.7076 [  $(4*x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047454 7.50799  $-2*(1+2*x+4*x^5+3*x^6+2*x^7+12*x^3+3*x^2+5*x^4)/(x-1)/(x+1)/$   
 $(x^2+1)/(4*x^4+x^3+x^2+x+1)$  lgdogf  
A047455 11.9863 [  $(4*x^3+x^2+x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A047455 4.95244 [  $\{(-8*n-25)*a(n+1)-8*a(n+2)-8*a(n+3)+(8*n+17)*a(n+4), a(0) = 2,$   
 $a(1) = 3, a(2) = 4, a(3) = 10\}$ , ogf]  
A047455 9.79933  $-(3+5*x+4*x^5+8*x^3+22*x^2+6*x^4)/(x-1)/(x^2+x+1)/(2*x$   
 $+x^2+4*x^3)$  lgdogf  
A047456 11.2375 [  $x*(4*x^3+x^2+x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047456 8.59467  $-(3+5*x+7*x^5+8*x^6+16*x^3+16*x^2+9*x^4)/(x-1)/(x+1)/(x^2+1)/$   
 $(2+x+x^2+4*x^3)$  lgdogf  
A047457 13.5210 [  $(4*x^2+x+3)/(x+1)/(x-1)^2$  ogf]  
A047457 17.5785  $-2*(2+9*x+2*x^3+3*x^2)/(x-1)/(x+1)/(4*x^2+x+3)$  lgdogf  
A047457 7.29896 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 4, a(2) = 11\}$ ,  
ogf]  
A047458 11.6420  $-(4+12*x+7*x^3+17*x^2+8*x^4)/(x-1)/(x^2+x+1)/(4*x^2+x+3)$  lgdogf  
A047458 12.5980 [  $x*(4*x^2+x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
A047458 4.96284 [  $\{(8*n+23)*a(n+1)+8*a(n+2)+8*a(n+3)+(-8*n-15)*a(n+4), a(0) = 0,$   
 $a(1) = 3, a(2) = 4, a(3) = 8\}$ , ogf]  
A047459 11.9270 [  $(4*x^3+x^2+2*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047459 5.01806 [  $\{(n+3)*a(n+1)+a(n+2)+a(n+3)+(-n-2)*a(n+4), a(0) = 1, a(1) = 3,$   
 $a(2) = 4, a(3) = 9\}$ , ogf]  
A047459 9.58757  $-(3+5*x+4*x^5+11*x^3+19*x^2+6*x^4)/(x-1)/(x^2+x+1)/$   
 $(4*x^3+x^2+2*x+1)$  lgdogf  
A047460 11.1808 [  $x*(4*x^3+x^2+2*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047460 8.21756  $-(3+5*x+7*x^5+8*x^6+12*x^3+16*x^2+13*x^4)/(x-1)/(x+1)/(x^2+1)/$   
 $(4*x^3+x^2+2*x+1)$  lgdogf  
A047461 14.1043 [  $(4*x^2+3*x+1)/(x+1)/(x-1)^2$  ogf]  
A047461 17.5844  $-2*(2+7*x+2*x^3+5*x^2)/(x-1)/(x+1)/(4*x^2+3*x+1)$  lgdogf  
A047461 7.68179 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 9\}$ , ogf]  
A047462 10.9831  $-(4+12*x+13*x^3+11*x^2+8*x^4)/(x-1)/(x^2+x+1)/(4*x^2+3*x+1)$   
lgdogf  
A047462 12.5350 [  $x*(4*x^2+3*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047462 4.93802 [  $\{(-8*n-21)*a(n+1)-8*a(n+2)-8*a(n+3)+(8*n+13)*a(n+4), a(0) = 0,$   
 $a(1) = 1, a(2) = 4, a(3) = 8\}$ , ogf]  
A047463 14.1711 [  $2*(2*x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A047463 19.2756  $-2*(1+4*x+x^3+2*x^2)/(x-1)/(x+1)/(2*x^2+x+1)$  lgdogf  
A047463 7.64989 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 4, a(2) = 10\}$ ,  
ogf]  
A047464 12.0732  $-(2+6*x+5*x^3+7*x^2+4*x^4)/(x-1)/(x^2+x+1)/(2*x^2+x+1)$  lgdogf  
A047464 12.5980 [  $2*x*(2*x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047464 4.99310 [  $\{(-4*n-11)*a(n+1)-4*a(n+2)-4*a(n+3)+(4*n+7)*a(n+4), a(0) = 0,$   
 $a(1) = 2, a(2) = 4, a(3) = 8\}$ , ogf]  
A047465 11.9270 [  $(4*x^3+2*x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]

A047465 6.63679 [ $\{-a(n+4)+a(n+3)+a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9\}$ , ogf]  
A047465 9.73067  $-(2+6*x+4*x^5+9*x^3+19*x^2+8*x^4)/(x-1)/(x^2+x+1)/(4*x^3+2*x^2+x+1)$  lgdogf  
A047466 11.1808 [ $x*(4*x^3+2*x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047466 8.32292  $-2*(1+3*x+5*x^5+4*x^6+6*x^3+8*x^2+5*x^4)/(x-1)/(x+1)/(x^2+1)/(4*x^3+2*x^2+x+1)$  lgdogf  
A047467 14.9510 [ $2*x*(3*x+1)/(x+1)/(x-1)^2$  ogf]  
A047467 23.3326  $-2*(2+3*x+3*x^2)/(x-1)/(3*x+1)/(x+1)$  lgdogf  
A047467 7.67753 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 2, a(2) = 8\}$ , ogf]  
A047468 14.0374 [ $(6*x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A047468 18.2603  $-2*(1+8*x+3*x^3+4*x^2)/(x-1)/(x+1)/(6*x^2+x+1)$  lgdogf  
A047468 7.64538 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 9\}$ , ogf]  
A047469 11.2992  $-(2+14*x+9*x^3+11*x^2+12*x^4)/(x-1)/(x^2+x+1)/(6*x^2+x+1)$  lgdogf  
A047469 12.4720 [ $x*(6*x^2+2*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047469 4.91321 [ $\{(8*n+19)*a(n+1)+8*a(n+2)+8*a(n+3)+(-8*n-11)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 8\}$ , ogf]  
A047470 14.9510 [ $x*(5*x+3)/(x+1)/(x-1)^2$  ogf]  
A047470 23.3326  $-2*(4+7*x+5*x^2)/(x-1)/(5*x+3)/(x+1)$  lgdogf  
A047470 7.67753 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 3, a(2) = 8\}$ , ogf]  
A047471 14.0374 [ $(5*x^2+2*x+1)/(x+1)/(x-1)^2$  ogf]  
A047471 17.8718  $-(3+15*x+5*x^3+9*x^2)/(x-1)/(x+1)/(5*x^2+2*x+1)$  lgdogf  
A047471 7.64538 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A047472 11.5009  $-(x+1)*(10*x^3+x^2+10*x+3)/(x-1)/(x^2+x+1)/(5*x^2+2*x+1)$  lgdogf  
A047472 12.4720 [ $x*(5*x^2+2*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047472 4.97349 [ $\{(-2*n-5)*a(n+1)-2*a(n+2)-2*a(n+3)+(2*n+3)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 8\}$ , ogf]  
A047473 14.1043 [ $(5*x^2+x+2)/(x+1)/(x-1)^2$  ogf]  
A047473 18.7567  $-(3+17*x+5*x^3+7*x^2)/(x-1)/(x+1)/(2+x+5*x^2)$  lgdogf  
A047473 7.61381 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 3, a(2) = 10\}$ , ogf]  
A047474 11.3685  $-(3+13*x+8*x^3+14*x^2+10*x^4)/(x-1)/(x^2+x+1)/(2+x+5*x^2)$  lgdogf  
A047474 12.5350 [ $x*(5*x^2+x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A047474 4.93802 [ $\{(8*n+21)*a(n+1)+8*a(n+2)+8*a(n+3)+(-8*n-13)*a(n+4), a(0) = 0, a(1) = 2, a(2) = 3, a(3) = 8\}$ , ogf]  
A047475 11.8677 [ $(5*x^3+x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047475 12.3460  $-(2+4*x+5*x^5+9*x^3+21*x^2+7*x^4)/(x-1)/(x^2+x+1)/(5*x^3+x^2+x+1)$  lgdogf  
A047475 4.96284 [ $\{(-4*n-11)*a(n+1)-4*a(n+2)-4*a(n+3)+(4*n+7)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 9\}$ , ogf]  
A047476 11.1240 [ $x*(5*x^3+x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047476 8.48921  $-2*(1+2*x+4*x^5+5*x^6+6*x^3+9*x^2+5*x^4)/(x-1)/(x+1)/(x^2+1)/(5*x^3+x^2+x+1)$  lgdogf  
A047477 11.9256  $-(7+9*x+7*x^3+23*x^2+2*x^4)/(x-1)/(x^2+x+1)/(5+2*x+x^2)$  lgdogf  
A047477 12.6610 [ $x*(x^2+2*x+5)/(x^2+x+1)/(x-1)^2$  ogf]  
A047477 5.04885 [ $\{(-2*n-7)*a(n+1)-2*a(n+2)-2*a(n+3)+(2*n+5)*a(n+4), a(0) = 0, a(1) = 5, a(2) = 7, a(3) = 8\}$ , ogf]  
A047478 11.9863 [ $(x^3+2*x^2+4*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047478 4.98227 [ $\{(8*n+29)*a(n+1)+8*a(n+2)+8*a(n+3)+(-8*n-21)*a(n+4), a(0) = 1, a(1) = 5, a(2) = 7, a(3) = 9\}$ , ogf]  
A047478 9.93797  $-(5+9*x+x^5+15*x^3+13*x^2+5*x^4)/(x-1)/(x^2+x+1)/(x^3+2*x^2+4*x+1)$  lgdogf  
A047479 11.2375 [ $x*(x^3+2*x^2+4*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047479 8.26829  $-(5+9*x+7*x^5+2*x^6+12*x^3+10*x^2+19*x^4)/(x-1)/(x+1)/(x^2+1)/(x^3+2*x^2+4*x+1)$  lgdogf  
A047480 10.0139  $-(5+9*x+x^5+12*x^3+16*x^2+5*x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2+x+2)$  lgdogf  
A047480 12.0457 [ $(x+1)*(x^2+x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A047480 4.97695 [ $\{(-4*n-15)*a(n+1)-4*a(n+2)-4*a(n+3)+(4*n+11)*a(n+4), a(0) = 2, a(1) = 5, a(2) = 7, a(3) = 10\}$ , ogf]  
A047481 11.2943 [ $x*(x^2+x+2)/(x^2+1)/(x-1)^2$  ogf]

A047481 13.6917  $-(5-x+3x^3+7x^2+2x^4)/(x-1)/(x^2+1)/(x^2+x+2)$  lgdogf  
A047481 4.18519  $[{(4n+13)a(n+1)+(-4n-9)a(n+2)+(4n+13)a(n+3)+(-4n-9)a(n+4), a(0) = 0, a(1) = 2, a(2) = 5, a(3) = 7}],$  ogf]  
A047482 10.7614  $[(x^4+2x^3+3x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2]$  ogf]  
A047482 7.46821  $-(2+8x+12x^5+5x^6+x^7+15x^3+11x^2+10x^4)/(x-1)/(x+1)/(x^2+1)/(x^4+2x^3+3x^2+x+1)$  lgdogf  
A047483 6.52492  $-(2+8x+11x^5+15x^6+7x^7+2x^8+11x^3+11x^2+13x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+2x^3+3x^2+x+1)$  lgdogf  
A047483 8.28575  $[x*(x^4+2x^3+3x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf]  
A047484 12.0457  $[(x^3+2x^2+2x+3)/(x^2+x+1)/(x-1)^2]$  ogf]  
A047484 4.97695  $[{(8n+31)a(n+1)+8a(n+2)+8a(n+3)+(-8n-23)a(n+4), a(0) = 3, a(1) = 5, a(2) = 7, a(3) = 11}],$  ogf]  
A047484 9.85982  $-(5+9x+x^5+9x^3+19x^2+5x^4)/(x-1)/(x^2+x+1)/(x^3+2x^2+2x+3)$  lgdogf  
A047485 11.2943  $[x*(x^3+2x^2+2x+3)/(x^2+1)/(x+1)/(x-1)^2]$  ogf]  
A047485 8.31901  $-(5+9x+7x^5+2x^6+20x^3+10x^2+11x^4)/(x-1)/(x+1)/(x^2+1)/(x^3+2x^2+2x+3)$  lgdogf  
A047486 18.0597  $[[x^4-x^3-x+3]$  ogf\_with\_Euler\_transform]  
A047486 8.03679  $-(3+4x+6x^5+5x^6+2x^7+4x^3+7x^2+9x^4)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047486 8.28575  $[x*(x^2+1)*(x+1)^2/(x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf]  
A047487 10.5590  $[(x^4+2x^3+2x^2+x+2)/(x^2+1)/(x+1)/(x-1)^2]$  ogf]  
A047487 7.68848  $-(3+7x+9x^5+5x^6+x^7+19x^3+11x^2+9x^4)/(x-1)/(x+1)/(x^2+1)/(x^4+2x^3+2x^2+x+2)$  lgdogf  
A047488 6.41665  $-(3+7x+10x^5+11x^6+7x^7+2x^8+11x^3+11x^2+18x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+2x^3+2x^2+x+2)$  lgdogf  
A047488 9.94638  $[x*(x^4+2x^3+2x^2+x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf]  
A047489 6.29205  $-(2+4x+x^9+11x^5+9x^6+9x^7+5x^8+13x^3+9x^2+17x^4)/(x-1)/(x+1)/(x^4+x^3+x^2+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047489 7.81392  $[(x+1)*(x^4+x^3+x^2+1)/(x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf]  
A047490 7.79731  $-(2+x^5+3x^6+3x^7+2x^8-x^3+7x^2+7x^4)/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+1)$  lgdogf  
A047490 8.45273  $[x*(x^4+x^3+x^2+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2]$  ogf]  
A047491 10.2352  $-(5+9x+x^5+6x^3+22x^2+5x^4)/(x-1)/(x^2+x+1)/(x^3+2x^2+x+4)$  lgdogf  
A047491 11.8190  $[(x^3+2x^2+x+4)/(x^2+x+1)/(x-1)^2]$  ogf]  
A047491 4.94247  $[{(n+4)a(n+1)+a(n+2)+a(n+3)+(-n-3)a(n+4), a(0) = 4, a(1) = 5, a(2) = 7, a(3) = 12}],$  ogf]  
A047492 11.0811  $[x*(x^3+2x^2+x+4)/(x^2+1)/(x+1)/(x-1)^2]$  ogf]  
A047492 8.70012  $-(5+9x+7x^5+2x^6+24x^3+10x^2+7x^4)/(x-1)/(x+1)/(x^2+1)/(x^3+2x^2+x+4)$  lgdogf  
A047493 10.5590  $[(x^4+2x^3+x^2+3x+1)/(x^2+1)/(x+1)/(x-1)^2]$  ogf]  
A047493 7.60011  $-(4+6x+6x^5+5x^6+x^7+15x^3+11x^2+16x^4)/(x-1)/(x+1)/(x^2+1)/(x^4+2x^3+x^2+3x+1)$  lgdogf  
A047494 6.59017  $-(4+6x+19x^5+7x^6+7x^7+2x^8+11x^3+11x^2+13x^4)/(x-1)/(x^4+2x^3+x^2+3x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047494 9.94638  $[x*(x^4+2x^3+x^2+3x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf]  
A047495 11.1941  $[(x^3+x^2+2)/(x^2+1)/(x-1)^2]$  ogf]  
A047495 12.0949  $-(4-2x+x^5-x^3+11x^2+3x^4)/(x-1)/(x^2+1)/(x^3+x^2+2)$  lgdogf  
A047496 6.75085  $-(4+6x+14x^5+7x^6+7x^7+2x^8+11x^3+11x^2+18x^4)/(x-1)/(x+1)/(x^3+x^2+2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047496 9.99793  $[x*(x+1)*(x^3+x^2+2)/(x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf]  
A047497 6.00075  $-(2+6x+x^9+11x^5+12x^6+6x^7+5x^8+13x^3+7x^2+17x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+2x^4+x^3+2x^2+x+1)$  lgdogf  
A047497 9.57654  $[(x^5+2x^4+x^3+2x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf]  
A047498 5.64633  $-(x^2+1)*(2x^8+7x^7+5x^6+7x^5+7x^4+7x^3+5x^2+6x+2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+2x^4+x^3+2x^2+x+1)$  lgdogf  
A047498 9.21253  $[x*(x^5+2x^4+x^3+2x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2]$  ogf]  
A047499 10.6126  $[(x^4+2x^3+x^2+x+3)/(x^2+1)/(x+1)/(x-1)^2]$  ogf]  
A047499 7.91925  $-(4+6x+6x^5+5x^6+x^7+23x^3+11x^2+8x^4)/(x-1)/(x+1)/$

$(x^2+1)/(x^4+2x^3+x^2+x+3)$  lgdogf  
A047500 6.68125  $-(4+6x+9x^5+7x^6+7x^7+2x^8+11x^3+11x^2+23x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+2x^3+x^2+x+3)$  lgdogf  
A047500 9.99793  $[x*(x^4+2x^3+x^2+x+3)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047501 16.1270  $[-x^5+x^4+x^2-2x+3$  ogf\_with\_Euler\_transform]  
A047501 7.81392  $[(x^2-x+1)*(x+1)^3/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047501 8.30874  $-(3-x-x^5+3x^6+x^7+2x^3+6x^2+7x^4)/(x-1)/(x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047502 6.21054  $-(3+5x+x^9+10x^5+8x^6+6x^7+5x^8+13x^3+7x^2+22x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+2x^4+x^3+x^2+x+2)$  lgdogf  
A047502 9.62565  $[(x^5+2x^4+x^3+x^2+x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047503 5.35786  $-(3+5x+7x^9+2x^{10}+20x^5+11x^6+9x^7+7x^8+13x^3+7x^2+12x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+2x^4+x^3+x^2+x+2)$  lgdogf  
A047503 9.08542  $[x*(x^5+2x^4+x^3+x^2+x+2)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A047504 7.75314  $-(2+x^9-3x^5+7x^6-x^7+3x^8+4x^2+11x^4)/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^5+x^4+x^2+1)$  lgdogf  
A047504 8.37930  $[(x^5+x^4+x^2+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A047505 5.50398  $-2*(1+2x+2x^9+x^{10}+7x^5+6x^6+5x^7+7x^8+5x^3+6x^2+6x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+x^4+3x^3+x^2+x+1)$  lgdogf  
A047505 9.21253  $[x*(x^5+x^4+3x^3+x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A047506 10.2352  $-(6+8x+x^5+8x^3+22x^2+3x^4)/(x-1)/(x^2+x+1)/(x^3+x^2+2x+4)$  lgdogf  
A047506 11.8190  $[(x^3+x^2+2x+4)/(x^2+x+1)/(x-1)^2$  ogf]  
A047506 4.88328  $[{(-8n-33)*a(n+1)-8a(n+2)-8a(n+3)+(8n+25)*a(n+4), a(0) = 4, a(1) = 6, a(2) = 7, a(3) = 12},$  ogf]  
A047507 11.0811  $[x*(x^3+x^2+2x+4)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047507 8.81613  $-2*(3+4x+2x^5+x^6+12x^3+5x^2+5x^4)/(x-1)/(x+1)/(x^2+1)/(x^3+x^2+2x+4)$  lgdogf  
A047508 11.7833  $[(x^3+2x+1)/(x^2+1)/(x-1)^2$  ogf]  
A047508 13.2242  $-(4+x^5+5x^3+5x^2+x^4)/(x-1)/(x^2+1)/(x^3+2x+1)$  lgdogf  
A047509 10.1896  $[x*(x+1)*(x^3+2x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047509 6.86476  $-(4+8x+19x^5+10x^6+4x^7+2x^8+11x^3+9x^2+13x^4)/(x-1)/(x+1)/(x^3+2x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047510 10.6126  $[(x^4+x^3+2x^2+2x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047510 7.73508  $-(4+8x+8x^5+3x^6+x^7+19x^3+9x^2+12x^4)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+2x^2+2x+2)$  lgdogf  
A047511 6.48081  $-(4+8x+14x^5+10x^6+4x^7+2x^8+11x^3+9x^2+18x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+x^3+2x^2+2x+2)$  lgdogf  
A047511 9.99793  $[x*(x^4+x^3+2x^2+2x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047512 21.9184  $[[x^4-2x^3+x+2]$  ogf\_with\_Euler\_transform]  
A047512 8.10102  $-(2+6x+7x^5+3x^6+x^7+4x^3+8x^2+9x^4)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047512 9.57654  $[(x+1)*(x^2+1)^2/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047513 10.9162  $-2*(1+x+x^6-x^3+x^2+3x^4)/(x-1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A047513 22.0806  $[[x^5-2x^3+x+2]$  ogf\_with\_Euler\_transform]  
A047513 9.21253  $[x*(x^2+1)^2/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A047514 10.6126  $[(x^4+x^3+2x^2+x+3)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047514 8.01466  $-(4+8x+8x^5+3x^6+x^7+23x^3+9x^2+8x^4)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+2x^2+x+3)$  lgdogf  
A047515 6.68125  $-(4+8x+9x^5+10x^6+4x^7+2x^8+11x^3+9x^2+23x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+x^3+2x^2+x+3)$  lgdogf  
A047515 8.15009  $[x*(x^4+x^3+2x^2+x+3)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047516 6.00075  $-(3+5x+x^9+15x^5+8x^6+8x^7+3x^8+10x^3+10x^2+17x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+x^4+2x^3+x^2+2x+1)$  lgdogf  
A047516 9.80871  $[(x^5+x^4+2x^3+x^2+2x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047517 5.15728  $-(3+5x+4x^9+2x^{10}+14x^5+17x^6+9x^7+10x^8+10x^3+10x^2+12x^4)/(x-1)/(x+1)/$

$(x^2+x+1)/(x^2-x+1)/(x^5+x^4+2x^3+x^2+2x+1)$  lgdogf  
A047517 9.38722 [  $x*(x^5+x^4+2x^3+x^2+2x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf ]  
A047518 6.03803  $-(3+5*x+x^9+10*x^5+8*x^6+8*x^7+3*x^8+10*x^3+10*x^2+22*x^4)/(x-1)/(x+1)/(x^2-x+1)/(x^2+x+2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047518 7.86127 [  $(x+1)*(x^2-x+1)*(x^2+x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047519 8.73970 [  $(x^6+x^5+2*x^4+x^3+x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf ]  
A047520 10.4129 [  $x*(x+1)/(2*x-1)/(x-1)^3$  ogf ]  
A047520 20.2011  $-6*(-1+x+x^2)/(x-1)/(2*x-1)/(x+1)$  lgdogf  
A047520 3.43573 [  $\{(n+3)*a(n+4)+(-10-2*n)*a(n+3)+(5-n)*a(n+2)+(6+2*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 21\}$ , ogf ]  
A047521 15.0225 [  $x*(x+7)/(x+1)/(x-1)^2$  ogf ]  
A047521 25.5773  $-2*(4+11*x+x^2)/(x-1)/(x+7)/(x+1)$  lgdogf  
A047521 7.71426 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 8\}$ , ogf ]  
A047522 14.1043 [  $(x^2+6*x+1)/(x+1)/(x-1)^2$  ogf ]  
A047522 19.1830  $-(7+11*x+x^3+13*x^2)/(x-1)/(x+1)/(x^2+6*x+1)$  lgdogf  
A047522 7.68179 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 7, a(2) = 9\}$ , ogf ]  
A047523 11.5715  $-(7+9*x+19*x^3+11*x^2+2*x^4)/(x-1)/(x^2+x+1)/(x^2+6*x+1)$  lgdogf  
A047523 12.5350 [  $x*(x^2+6*x+1)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047523 4.99861 [  $\{(-n-3)*a(n+1)-a(n+2)-a(n+3)+(n+2)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 7, a(3) = 8\}$ , ogf ]  
A047524 14.1711 [  $(x^2+5*x+2)/(x+1)/(x-1)^2$  ogf ]  
A047524 19.2756  $-(7+13*x+x^3+11*x^2)/(x-1)/(x+1)/(x^2+5*x+2)$  lgdogf  
A047524 7.64989 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 2, a(1) = 7, a(2) = 10\}$ , ogf ]  
A047525 11.6420  $-(7+9*x+16*x^3+14*x^2+2*x^4)/(x-1)/(x^2+x+1)/(x^2+5*x+2)$  lgdogf  
A047525 11.9939 [  $x*(x^2+5*x+2)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047525 4.72487 [  $\{(-8*n-25)*a(n+1)-8*a(n+2)-8*a(n+3)+(8*n+17)*a(n+4), a(0) = 0, a(1) = 2, a(2) = 7, a(3) = 8\}$ , ogf ]  
A047526 10.0301  $-(2+12*x+x^5+9*x^3+13*x^2+11*x^4)/(x-1)/(x^2+x+1)/(x^3+5*x^2+x+1)$  lgdogf  
A047526 11.9270 [  $(x^3+5*x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047526 4.98765 [  $\{(4*n+13)*a(n+1)+4*a(n+2)+4*a(n+3)+(-4*n-9)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 9\}$ , ogf ]  
A047527 10.3327  $-2*(1+6*x+8*x^5+x^6+6*x^3+5*x^2+5*x^4)/(x-1)/(x+1)/(1+x^2)/(x^3+5*x^2+x+1)$  lgdogf  
A047527 10.6432 [  $x*(x^3+5*x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047528 11.6420  $-(7+9*x+13*x^3+17*x^2+2*x^4)/(x-1)/(x+3)/(x+1)/(x^2+x+1)$  lgdogf  
A047528 12.5980 [  $x*(x+3)*(x+1)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047528 4.99310 [  $\{(-4*n-13)*a(n+1)-4*a(n+2)-4*a(n+3)+(4*n+9)*a(n+4), a(0) = 0, a(1) = 3, a(2) = 7, a(3) = 8\}$ , ogf ]  
A047529 11.9270 [  $(x^3+4*x^2+2*x+1)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047529 4.95760 [  $\{(8*n+27)*a(n+1)+8*a(n+2)+8*a(n+3)+(-8*n-19)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 9\}$ , ogf ]  
A047529 9.73067  $-(3+11*x+x^5+11*x^3+13*x^2+9*x^4)/(x-1)/(x^2+x+1)/(x^3+4*x^2+2*x+1)$  lgdogf  
A047530 11.1808 [  $x*(x^3+4*x^2+2*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047530 8.01466  $-(3+11*x+13*x^5+2*x^6+12*x^3+10*x^2+13*x^4)/(x-1)/(x+1)/(1+x^2)/(x^3+4*x^2+2*x+1)$  lgdogf  
A047531 11.9863 [  $(x^3+4*x^2+x+2)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047531 5.01247 [  $\{(2*n+7)*a(n+1)+2*a(n+2)+2*a(n+3)+(-2*n-5)*a(n+4), a(0) = 2, a(1) = 3, a(2) = 7, a(3) = 10\}$ , ogf ]  
A047531 9.95244  $-(3+11*x+x^5+8*x^3+16*x^2+9*x^4)/(x-1)/(x^2+x+1)/(x^3+4*x^2+x+2)$  lgdogf  
A047532 11.2375 [  $x*(x^3+4*x^2+x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047532 8.37429  $-(3+11*x+13*x^5+2*x^6+16*x^3+10*x^2+9*x^4)/(x-1)/(x+1)/(1+x^2)/(x^3+4*x^2+x+2)$  lgdogf  
A047533 10.7076 [  $(x^4+4*x^3+x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047533 7.68464  $-(2+4*x+8*x^5+9*x^6+x^7+15*x^3+15*x^2+10*x^4)/(x-1)/(x+1)/$

$(1+x^2)/(x^4+4x^3+x^2+x+1)$  lgdogf  
A047534 6.65674  $-(2+4x+11x^5+9x^6+13x^7+2x^8+11x^3+15x^2+13x^4)/(x-1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047534 8.28575  $[x*(x^4+4x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)]$  ogf  
A047535 13.9120  $[(x^2+3x+4)/(x+1)/(x-1)^2]$  ogf  
A047535 19.3579  $-(7+17x+x^3+7x^2)/(x-1)/(x+1)/(x^2+3x+4)$  lgdogf  
A047535 7.51002  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 7, a(2) = 12}]$ , ogf  
A047536 11.7126  $-(7+9x+10x^3+20x^2+2x^4)/(x-1)/(x^2+x+1)/(x^2+3x+4)$  lgdogf  
A047536 12.6610  $[x*(x^2+3x+4)/(x^2+x+1)/(x-1)^2]$  ogf  
A047536 4.98765  $[{(-8n-27)*a(n+1)-8*a(n+2)-8*a(n+3)+(8n+19)*a(n+4), a(0) = 0, a(1) = 4, a(2) = 7, a(3) = 8}]$ , ogf  
A047537 11.9863  $[(x+1)^3/(x^2+x+1)/(x-1)^2]$  ogf  
A047537 16.3976  $-(4+2x+x^3+5x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A047537 32.9465  $[x^2-3x+4]$  ogf\_with\_Euler\_transform  
A047537 5.04303  $[{(2n+7)*a(n+1)+2*a(n+2)+2*a(n+3)+(-2n-5)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 7, a(3) = 9}]$ , ogf  
A047538 11.2375  $[x*(x+1)^2/(x^2+1)/(x-1)^2]$  ogf  
A047538 17.1893  $-2*(2-x+2x^2+x^3)/(1+x^2)/(x-1)/(x+1)$  lgdogf  
A047538 28.1783  $[x^3-3x+4]$  ogf\_with\_Euler\_transform  
A047538 4.20687  $[{(n+3)*a(n+1)+(-n-2)*a(n+2)+(n+3)*a(n+3)+(-n-2)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 7}]$ , ogf  
A047539 12.0457  $[(x^3+3x^2+2x+2)/(x^2+x+1)/(x-1)^2]$  ogf  
A047539 4.97695  $[{(8n+29)*a(n+1)+8*a(n+2)+8*a(n+3)+(-8n-21)*a(n+4), a(0) = 2, a(1) = 4, a(2) = 7, a(3) = 10}]$ , ogf  
A047539 9.56550  $-(4+10x+x^5+10x^3+16x^2+7x^4)/(x-1)/(x^2+x+1)/(x^3+3x^2+2x+2)$  lgdogf  
A047540 11.2943  $[x*(x^3+3x^2+2x+2)/(x^2+1)/(x+1)/(x-1)^2]$  ogf  
A047540 8.64740  $-2*(2+5x+5x^5+x^6+8x^3+5x^2+6x^4)/(x-1)/(x+1)/(1+x^2)/(x^3+3x^2+2x+2)$  lgdogf  
A047541 11.3510  $[(x^3+2x^2+1)/(x^2+1)/(x-1)^2]$  ogf  
A047541 11.7358  $-(2+2x+x^5-x^3+7x^2+5x^4)/(x-1)/(1+x^2)/(x^3+2x^2+1)$  lgdogf  
A047541 5.83539  $[{-a(n+4)+2*a(n+3)-2*a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7}]$ , ogf  
A047542 10.1379  $[x*(x+1)*(x^3+2x^2+1)/(x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf  
A047542 6.59017  $-(2+6x+11x^5+12x^6+10x^7+2x^8+11x^3+13x^2+13x^4)/(x-1)/(x+1)/(x^3+2x^2+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047543 10.3369  $-(4+10x+x^5+7x^3+19x^2+7x^4)/(x+3)/(x-1)/(1+x^2)/(x^2+x+1)$  lgdogf  
A047543 12.0457  $[(x+3)*(x^2+1)/(x^2+x+1)/(x-1)^2]$  ogf  
A047543 4.97695  $[{(-4n-15)*a(n+1)-4*a(n+2)-4*a(n+3)+(4n+11)*a(n+4), a(0) = 3, a(1) = 4, a(2) = 7, a(3) = 11}]$ , ogf  
A047544 10.7614  $[(x^4+3x^3+x^2+2x+1)/(x^2+1)/(x+1)/(x-1)^2]$  ogf  
A047544 7.55405  $-(3+5x+7x^5+7x^6+x^7+15x^3+13x^2+13x^4)/(x-1)/(x+1)/(1+x^2)/(x^4+3x^3+x^2+2x+1)$  lgdogf  
A047545 10.1379  $[x*(x^4+3x^3+x^2+2x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf  
A047545 6.52492  $-(3+5x+15x^5+8x^6+10x^7+2x^8+11x^3+13x^2+13x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+3x^4+x^3+x^2+x+1)$  lgdogf  
A047546 10.5590  $[(x^3+2x^2-2x+2)/(x^2+1)/(x-1)^2]$  ogf  
A047546 11.2069  $-(3-x+x^5-4x^3+12x^2+5x^4)/(x-1)/(1+x^2)/(2-x+2x^2+x^3)$  lgdogf  
A047546 4.14819  $[{(-2n-7)*a(n+1)+(2n+5)*a(n+2)+(-2n-7)*a(n+3)+(2n+5)*a(n+4), a(0) = 2, a(1) = 3, a(2) = 4, a(3) = 7}]$ , ogf  
A047547 6.41665  $-(3+5x+10x^5+8x^6+10x^7+2x^8+11x^3+13x^2+18x^4)/(x-1)/(x+1)/(2-x+2x^2+x^3)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047547 9.94638  $[x*(x+1)*(x^3+2x^2-2x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf  
A047548 6.17220  $-(2+4x+x^9+11x^5+9x^6+7x^7+7x^8+16x^3+6x^2+17x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+3x^4+x^3+x^2+x+1)$  lgdogf  
A047548 7.81392  $[(x^5+3x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf  
A047549 5.50398  $-2*(1+2x+5x^9+x^{10}+7x^5+6x^6+5x^7+4x^8+8x^3+3x^2+6x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+3x^4+x^3+x^2+x+1)$  lgdogf

A047549 9.21253 [  $x^*(x^5+3x^4+x^3+x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf ]  
A047550 16.2185 [  $(x^2+2x+5)/(x+1)/(x-1)^2$  ogf ]  
A047550 22.6194  $-(7+19x+x^3+5x^2)/(x-1)/(x+1)/(x^2+2x+5)$  lgdogf  
A047550 8.75513 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 7, a(2) = 13\}$ , ogf ]  
A047551 11.2375 [  $x^*(x^3+x^2+5x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047551 8.70926  $-2*(3+4x+2x^2+x^5+x^6+6x^3+5x^2+11x^4)/(x-1)/(x+1)/(1+x^2)/(x^3+x^2+5x+1)$  lgdogf  
A047552 10.0139  $-(6+8x+x^5+14x^3+16x^2+3x^4)/(x-1)/(x^2+x+1)/(x^3+x^2+4x+2)$  lgdogf  
A047552 12.0457 [  $(x^3+x^2+4x+2)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047552 4.97695 [  $\{(-8n-31)*a(n+1)-8*a(n+2)-8*a(n+3)+(8n+23)*a(n+4), a(0) = 2, a(1) = 6, a(2) = 7, a(3) = 10\}$ , ogf ]  
A047553 11.2943 [  $x^*(x^3+x^2+4x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047553 8.88111  $-2*(3+4x+x^2+x^5+x^6+8x^3+5x^2+9x^4)/(x-1)/(x+1)/(1+x^2)/(x^3+x^2+4x+2)$  lgdogf  
A047554 10.7614 [  $(x^4+x^3+4x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047554 7.64189  $-(2+10x+14x^5+3x^6+x^7+15x^3+9x^2+10x^4)/(x-1)/(x+1)/(1+x^2)/(x^4+x^3+4x^2+x+1)$  lgdogf  
A047555 10.1379 [  $x^*(x^4+x^3+4x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047555 6.65674  $-(2+10x+11x^5+18x^6+4x^7+2x^8+11x^3+9x^2+13x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+x^3+4x^2+x+1)$  lgdogf  
A047556 10.3369  $-(6+8x+x^5+11x^3+19x^2+3x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2+3)$  lgdogf  
A047556 12.0457 [  $(x+1)*(x^2+3)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047556 5.03728 [  $\{(-n-4)*a(n+1)-a(n+2)-a(n+3)+(n+3)*a(n+4), a(0) = 3, a(1) = 6, a(2) = 7, a(3) = 11\}$ , ogf ]  
A047557 12.6844 [  $x^*(x^2+3)/(x^2+1)/(x-1)^2$  ogf ]  
A047557 15.6477  $-2*(3-2x+6x^2+x^4)/(x-1)/(x^2+3)/(1+x^2)$  lgdogf  
A047557 4.22812 [  $\{(2n+7)*a(n+1)+(-2n-5)*a(n+2)+(2n+7)*a(n+3)+(-2n-5)*a(n+4), a(0) = 0, a(1) = 3, a(2) = 6, a(3) = 7\}$ , ogf ]  
A047558 10.7614 [  $(x^4+x^3+3x^2+2x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047558 7.55405  $-(3+9x+11x^5+3x^6+x^7+15x^3+9x^2+13x^4)/(x-1)/(x+1)/(1+x^2)/(x^4+x^3+3x^2+2x+1)$  lgdogf  
A047559 10.1379 [  $x^*(x^4+x^3+3x^2+2x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047559 6.59017  $-(3+9x+15x^5+14x^6+4x^7+2x^8+11x^3+9x^2+13x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+x^3+3x^2+2x+1)$  lgdogf  
A047560 6.75085  $-(3+9x+10x^5+14x^6+4x^7+2x^8+11x^3+9x^2+18x^4)/(x-1)/(1+x^2)/(x^2+x+2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047560 8.15009 [  $x^*(x^2+1)*(x^2+x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047561 6.05684  $-(2+4x+x^9+11x^5+9x^6+11x^7+3x^8+10x^3+12x^2+17x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+x^4+3x^3+x^2+x+1)$  lgdogf  
A047561 7.81392 [  $(x^5+x^4+3x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047562 6.39320  $-(4+6x+x^9+9x^5+7x^6+5x^7+3x^8+10x^3+8x^2+27x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+x^4+x^3+x^2+x+3)$  lgdogf  
A047562 9.67476 [  $(x^5+x^4+x^3+x^2+x+3)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047563 5.58489  $-2*(2+3x+2x^9+x^{10}+13x^5+5x^6+4x^7+3x^8+5x^3+4x^2+6x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+x^4+x^3+x^2+x+3)$  lgdogf  
A047563 9.08542 [  $x^*(x^5+x^4+x^3+x^2+x+3)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf ]  
A047564 7.32241  $-(3-x+x^9+3x^5+2x^6+2x^7+x^8-2x^3+6x^2+9x^4)/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^5+x^3+x+1)$  lgdogf  
A047564 8.73970 [  $(x^5+x^3+x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf ]  
A047565 8.56952 [  $x^*(x+1)*(x^5+x^3+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047566 8.02721  $-(5+7x+5x^5+3x^6+x^7+27x^3+9x^2+7x^4)/(x-1)/(x+1)/(1+x^2)/(x^4+x^3+x^2+x+4)$  lgdogf  
A047566 8.65143 [  $(x^4+x^3+x^2+x+4)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047567 10.0495 [  $x^*(x^4+x^3+x^2+x+4)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047567 6.89448  $-(5+7x+8x^5+6x^6+4x^7+2x^8+11x^3+9x^2+28x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+4)$  lgdogf

A047568 6.17220  $-(4+6*x+x^9+19*x^5+7*x^6+5*x^7+3*x^8+10*x^3+8*x^2+17*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+x^4+x^3+x^2+3*x+1)$  lgdogf  
A047568 9.62565  $[(x^5+x^4+x^3+x^2+3*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047569 5.45812  $-2*(2+3*x+2*x^9+x^{10}+7*x^5+11*x^6+4*x^7+3*x^8+5*x^3+4*x^2+6*x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+x^4+x^3+x^2+3*x+1)$  lgdogf  
A047569 9.21253  $[x*(x^5+x^4+x^3+x^2+3*x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A047570 6.58694  $-(4+6*x+x^9+14*x^5+7*x^6+5*x^7+3*x^8+10*x^3+8*x^2+22*x^4)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4+x^2+2)$  lgdogf  
A047570 9.90729  $[(x+1)*(x^4+x^2+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047571 8.90564  $-2*(2-x+2*x^6+x^8-2*x^3+4*x^2+6*x^4)/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^2+2)$  lgdogf  
A047571 9.43463  $[x*(x^4+x^2+2)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A047572 8.73970  $[(x^6+x^5+x^4+x^3+2*x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A047573 9.21468  $[x*(x^6+x^5+x^4+x^3+2*x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047574 10.5708  $-(6+8*x+x^5+5*x^3+25*x^2+3*x^4)/(x-1)/(x^2+x+1)/(x^3+x^2+x+5)$  lgdogf  
A047574 12.1050  $[(x^3+x^2+x+5)/(x^2+x+1)/(x-1)^2$  ogf]  
A047574 5.00147  $[ \{ (-4*n-17)*a(n+1)-4*a(n+2)-4*a(n+3)+(4*n+13)*a(n+4), a(0) = 5, a(1) = 6, a(2) = 7, a(3) = 13 \},$  ogf]  
A047575 11.0811  $[x*(x^3+x^2+x+5)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047575 9.05766  $-2*(3+4*x+2*x^5+x^6+14*x^3+5*x^2+3*x^4)/(x-1)/(x+1)/(1+x^2)/(x^3+x^2+x+5)$  lgdogf  
A047576 10.5590  $[(x^4+x^3+x^2+4*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047576 7.87154  $-(5+7*x+5*x^5+3*x^6+x^7+15*x^3+9*x^2+19*x^4)/(x-1)/(x+1)/(1+x^2)/(x^4+x^3+x^2+4*x+1)$  lgdogf  
A047577 6.79399  $-(5+7*x+23*x^5+6*x^6+4*x^7+2*x^8+11*x^3+9*x^2+13*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+4*x+1)$  lgdogf  
A047577 9.94638  $[x*(x^4+x^3+x^2+4*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047578 11.2749  $-(5-3*x+x^5+2*x^3+10*x^2+x^4)/(x-1)/(x+1)/(1+x^2)/(x^2-x+2)$  lgdogf  
A047578 11.8431  $[(x+1)*(x^2-x+2)/(x^2+1)/(x-1)^2$  ogf]  
A047578 4.16924  $[ \{ (-n-4)*a(n+1)+(n+3)*a(n+2)+(-n-4)*a(n+3)+(n+3)*a(n+4), a(0) = 2, a(1) = 5, a(2) = 6, a(3) = 7 \},$  ogf]  
A047579 7.62449  $-(5+2*x+4*x^5+2*x^6+2*x^7+4*x^3+7*x^2+14*x^4)/(x-1)/(x+1)/(x^2-x+2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047579 9.99793  $[x*(x^2-x+2)*(x+1)^2/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047580 6.11398  $-(2+8*x+x^9+11*x^5+15*x^6+5*x^7+3*x^8+10*x^3+8*x^2+17*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+x^4+x^3+3*x^2+x+1)$  lgdogf  
A047580 7.81392  $[(x^5+x^4+x^3+3*x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047581 5.50398  $-2*(1+4*x+2*x^9+x^{10}+7*x^5+6*x^6+9*x^7+3*x^8+5*x^3+4*x^2+6*x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+x^4+x^3+3*x^2+x+1)$  lgdogf  
A047581 9.21253  $[x*(x^5+x^4+x^3+3*x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A047582 10.6126  $[(x^4+x^3+x^2+2*x+3)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047582 7.91925  $-(5+7*x+5*x^5+3*x^6+x^7+23*x^3+9*x^2+11*x^4)/(x-1)/(x+1)/(x^4+x^3+x^2+2*x+3)/(1+x^2)$  lgdogf  
A047583 6.68125  $-(5+7*x+13*x^5+6*x^6+4*x^7+2*x^8+11*x^3+9*x^2+23*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+2*x+3)$  lgdogf  
A047583 8.15009  $[x*(x^4+x^3+x^2+2*x+3)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047584 10.0418  $[(x+1)*(x^4+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047584 6.35374  $-(3+7*x+x^9+15*x^5+11*x^6+5*x^7+3*x^8+10*x^3+8*x^2+17*x^4)/(x-1)/(x+1)/(x^4+x^2+x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A047585 7.98749  $-(3+x+5*x^5+4*x^6+2*x^8+3*x^3+3*x^2+3*x^4)/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^2+x+1)$  lgdogf  
A047585 8.45273  $[x*(x^4+x^2+x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A047586 6.15195  $-(3+7*x+x^9+10*x^5+11*x^6+5*x^7+3*x^8+10*x^3+8*x^2+22*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+x^4+x^3+2*x^2+x+2)$  lgdogf



A047586 9.62565 [  $(x^5+x^4+x^3+2x^2+x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047587 5.31465  $-(3+7*x$   
 $+4*x^9+2*x^{10}+20*x^5+11*x^6+13*x^7+6*x^8+10*x^3+8*x^2+12*x^4)/(x-1)/(x+1)/(x^2+x$   
 $+1)/(x^2-x+1)/(x^5+x^4+x^3+2*x^2+x+2)$  lgdogf  
A047587 9.08542 [  $x*(x^5+x^4+x^3+2*x^2+x+2)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$   
ogf ]  
A047588 19.7978 [  $x^6-x^5-x^3+x^2+2$  ogf\_with\_Euler\_transform ]  
A047588 6.93696  $-(2+2*x$   
 $+4*x^9+2*x^{10}+2*x^{11}+4*x^5+11*x^6+2*x^7+9*x^8+2*x^3+7*x^2+9*x^4)/(x-1)/(x+1)/$   
 $(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(1+x^2)$  lgdogf  
A047588 9.21468 [  $x*(x^2+1)*(x^2-x+1)*(x+1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$   
ogf ]  
A047589 13.9120 [  $(x^2+x+6)/(x+1)/(x-1)^2$  ogf ]  
A047589 20.3022  $-(7+21*x+x^3+3*x^2)/(x-1)/(x+1)/(x^2+x+6)$  lgdogf  
A047589 7.51002 [ {  $a(n+3)-a(n+2)-a(n+1)+a(n)$ ,  $a(0) = 6$ ,  $a(1) = 7$ ,  $a(2) = 14$  },  
ogf ]  
A047590 12.3756  $-(7+9*x+4*x^3+26*x^2+2*x^4)/(x-1)/(x^2+x+1)/(x^2+x+6)$  lgdogf  
A047590 12.6610 [  $x*(x^2+x+6)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047590 4.98765 [ {  $(-8*n-29)*a(n+1)-8*a(n+2)-8*a(n+3)+(8*n+21)*a(n+4)$ ,  $a(0) = 0$ ,  
 $a(1) = 6$ ,  $a(2) = 7$ ,  $a(3) = 8$  }, ogf ]  
A047591 10.2485  $-(6+8*x+x^5+17*x^3+13*x^2+3*x^4)/(x-1)/(x^2+x+1)/(x^3+x^2+5*x+1)$   
lgdogf  
A047591 11.9863 [  $(x^3+x^2+5*x+1)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047591 4.98227 [ {  $(4*n+15)*a(n+1)+4*a(n+2)+4*a(n+3)+(-4*n-11)*a(n+4)$ ,  $a(0) = 1$ ,  
 $a(1) = 6$ ,  $a(2) = 7$ ,  $a(3) = 9$  }, ogf ]  
A047592 30.4720 [  $-x^7+x^6+2$  ogf\_with\_Euler\_transform ]  
A047592 8.77858 [  $(x^4+1)*(x^2+1)*(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047593 5.02389  $-(5*x$   
 $+5*x^9+3*x^{10}+x^{11}+25*x^5+11*x^6+9*x^7+7*x^8+9*x^3+7*x^2+11*x^4+3)/(x-1)/(x+1)/$   
 $(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+2)$  lgdogf  
A047593 8.78475 [  $(x^6+x^5+x^4+x^3+x^2+x+2)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$   
ogf ]  
A047594 8.45273 [  $x*(x^6+x^5+x^4+x^3+x^2+x+2)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$   
ogf ]  
A047595 8.40938 [  $x*(x+1)*(x^5+x^4+x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047596 10.5590 [  $(3*x^4+x^3+x^2+x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047596 7.77893  $-(3+5*x+7*x^5+5*x^6+3*x^7+25*x^3+7*x^2+9*x^4)/(x-1)/(x+1)/$   
 $(3*x^4+x^3+x^2+x+2)/(1+x^2)$  lgdogf  
A047597 6.68125  $-(3+5*x+10*x^5+8*x^6+6*x^7+6*x^8+17*x^3+7*x^2+18*x^4)/(x-1)/$   
 $(x^4+x^3+x^2+x+1)/(3*x^4+x^3+x^2+x+2)$  lgdogf  
A047597 9.94638 [  $x*(3*x^4+x^3+x^2+x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047598 12.0457 [  $(x+1)*(3*x^2-2*x+3)/(x^2+x+1)/(x-1)^2$  ogf ]  
A047598 5.03728 [ {  $(2*n+7)*a(n+1)+2*a(n+2)+2*a(n+3)+(-2*n-5)*a(n+4)$ ,  $a(0) = 3$ ,  
 $a(1) = 4$ ,  $a(2) = 5$ ,  $a(3) = 11$  }, ogf ]  
A047598 9.28824  $-(4+6*x+3*x^5+7*x^3+23*x^2+5*x^4)/(x-1)/(x+1)/(x^2+x+1)/$   
 $(3*x^2-2*x+3)$  lgdogf  
A047599 11.2943 [  $x*(3*x^2-2*x+3)/(x^2+1)/(x-1)^2$  ogf ]  
A047599 13.1440  $-2*(x^2-x+2)*(3*x^2+1)/(x-1)/(1+x^2)/(3*x^2-2*x+3)$  lgdogf  
A047599 4.22812 [ {  $(n+3)*a(n+1)+(-n-2)*a(n+2)+(n+3)*a(n+3)+(-n-2)*a(n+4)$ ,  $a(0) =$   
 $0$ ,  $a(1) = 3$ ,  $a(2) = 4$ ,  $a(3) = 5$  }, ogf ]  
A047600 10.7614 [  $(3*x^4+x^3+x^2+2*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A047600 7.46821  $-(3+5*x+7*x^5+5*x^6+3*x^7+21*x^3+7*x^2+13*x^4)/(x-1)/(x+1)/$   
 $(1+x^2)/(3*x^4+x^3+x^2+2*x+1)$  lgdogf  
A047601 6.65674  $-(3+5*x+15*x^5+8*x^6+6*x^7+6*x^8+17*x^3+7*x^2+13*x^4)/(x-1)/$   
 $(x^4+x^3+x^2+x+1)/(3*x^4+x^3+x^2+2*x+1)$  lgdogf  
A047601 8.28575 [  $x*(3*x^4+x^3+x^2+2*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A047602 5.36864  $-2*(1+2*x$   
 $+3*x^9+3*x^{10}+7*x^5+6*x^6+5*x^7+4*x^8+4*x^3+3*x^2+10*x^4)/(x-1)/(x+1)/(x^2+x+1)/$   
 $(x^2-x+1)/(3*x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A047602 9.21253 [  $x*(3*x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$   
ogf ]

A047603 6.11398  $-(2+4*x+3*x^9+11*x^5+9*x^6+7*x^7+5*x^8+8*x^3+6*x^2+25*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(3*x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A047603 9.52744  $[(3*x^5+x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047604 11.9863  $[(x+1)*(3*x^2-x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A047604 4.98227  $[{(4*n+13)*a(n+1)+4*a(n+2)+4*a(n+3)+(-4*n-9)*a(n+4), a(0) = 2, a(1) = 3, a(2) = 5, a(3) = 10},$  ogf]  
A047604 9.50681  $-(3+7*x+3*x^5+8*x^3+20*x^2+7*x^4)/(x-1)/(x+1)/(x^2+x+1)/(3*x^2-x+2)$  lgdogf  
A047605 11.2375  $[x*(3*x^2-x+2)/(x^2+1)/(x-1)^2$  ogf]  
A047605 13.0639  $-(3+x-3*x^3+9*x^2+6*x^4)/(x-1)/(1+x^2)/(3*x^2-x+2)$  lgdogf  
A047605 4.16416  $[{(4*n+11)*a(n+1)+(-4*n-7)*a(n+2)+(4*n+11)*a(n+3)+(-4*n-7)*a(n+4), a(0) = 0, a(1) = 2, a(2) = 3, a(3) = 5},$  ogf]  
A047606 10.7076  $[(3*x^4+2*x^3+x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047606 7.42267  $-(2+4*x+8*x^5+7*x^6+3*x^7+21*x^3+9*x^2+10*x^4)/(x-1)/(x+1)/(1+x^2)/(3*x^4+2*x^3+x^2+x+1)$  lgdogf  
A047607 6.65674  $-(2+4*x+11*x^5+9*x^6+9*x^7+6*x^8+17*x^3+9*x^2+13*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(3*x^4+2*x^3+x^2+x+1)$  lgdogf  
A047607 8.28575  $[x*(3*x^4+2*x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047608 13.9120  $[(3*x^2+x+4)/(x+1)/(x-1)^2$  ogf]  
A047608 18.4976  $-(5+19*x+3*x^3+5*x^2)/(x-1)/(x+1)/(3*x^2+x+4)$  lgdogf  
A047608 7.51002  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 5, a(2) = 12},$  ogf]  
A047609 11.7126  $-(5+11*x+6*x^3+20*x^2+6*x^4)/(x-1)/(x^2+x+1)/(3*x^2+x+4)$  lgdogf  
A047609 12.6610  $[x*(3*x^2+x+4)/(x^2+x+1)/(x-1)^2$  ogf]  
A047609 4.98765  $[{(8*n+25)*a(n+1)+8*a(n+2)+8*a(n+3)+(-8*n-17)*a(n+4), a(0) = 0, a(1) = 4, a(2) = 5, a(3) = 8},$  ogf]  
A047610 11.9863  $[(3*x+1)*(x^2+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047610 5.01247  $[{(-4*n-13)*a(n+1)-4*a(n+2)-4*a(n+3)+(4*n+9)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 5, a(3) = 9},$  ogf]  
A047610 9.93797  $-(4+6*x+3*x^5+13*x^3+17*x^2+5*x^4)/(x-1)/(3*x+1)/(1+x^2)/(x^2+x+1)$  lgdogf  
A047611 12.0457  $[(3*x^3+x^2+2*x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A047611 4.97695  $[{(-8*n-27)*a(n+1)-8*a(n+2)-8*a(n+3)+(8*n+19)*a(n+4), a(0) = 2, a(1) = 4, a(2) = 5, a(3) = 10},$  ogf]  
A047611 9.42483  $-(4+6*x+3*x^5+10*x^3+20*x^2+5*x^4)/(x-1)/(x^2+x+1)/(3*x^3+x^2+2*x+2)$  lgdogf  
A047612 11.2943  $[x*(3*x^3+x^2+2*x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047612 8.42567  $-2*(2+3*x+3*x^5+3*x^6+8*x^3+7*x^2+6*x^4)/(x-1)/(x+1)/(1+x^2)/(3*x^3+x^2+2*x+2)$  lgdogf  
A047613 10.7614  $[(3*x^4+x^3+2*x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047613 7.38429  $-(2+6*x+10*x^5+5*x^6+3*x^7+21*x^3+7*x^2+10*x^4)/(x-1)/(x+1)/(1+x^2)/(3*x^4+x^3+2*x^2+x+1)$  lgdogf  
A047614 7.32241  $-(x+1)*(6*x^7+12*x^5-x^4+14*x^3+3*x^2+4*x+2)/(x-1)/(x^4+x^3+x^2+x+1)/(3*x^4+x^3+2*x^2+x+1)$  lgdogf  
A047614 8.28575  $[x*(3*x^4+x^3+2*x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A047615 15.0225  $[x*(3*x+5)/(x+1)/(x-1)^2$  ogf]  
A047615 23.4459  $-2*(4+9*x+3*x^2)/(3*x+5)/(x-1)/(x+1)$  lgdogf  
A047615 7.71426  $[{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 8},$  ogf]  
A047616 10.9831  $-(5+11*x+15*x^3+11*x^2+6*x^4)/(x-1)/(3*x+1)/(x+1)/(x^2+x+1)$  lgdogf  
A047616 12.5350  $[x*(x+1)*(3*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047616 4.96813  $[{(-4*n-11)*a(n+1)-4*a(n+2)-4*a(n+3)+(4*n+7)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 8},$  ogf]  
A047617 14.1711  $[(3*x^2+3*x+2)/(x+1)/(x-1)^2$  ogf]  
A047617 18.0453  $-(5+15*x+3*x^3+9*x^2)/(x-1)/(x+1)/(3*x^2+3*x+2)$  lgdogf  
A047617 7.64989  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 5, a(2) = 10},$  ogf]  
A047618 11.0501  $-(5+11*x+12*x^3+14*x^2+6*x^4)/(x-1)/(x^2+x+1)/(3*x^2+3*x+2)$  lgdogf  
A047618 13.2068  $[x*(3*x^2+3*x+2)/(x^2+x+1)/(x-1)^2$  ogf]

A047618 5.20268 [  $\{(8n+23)a(n+1)+8a(n+2)+8a(n+3)+(-8n-15)a(n+4), a(0) = 0, a(1) = 2, a(2) = 5, a(3) = 8\}$ , ogf]  
A047619 10.0301  $-(2+8x+3x^5+9x^3+17x^2+9x^4)/(x-1)/(x+1)/(x^2+x+1)/(3x^2+1)$  lgdogf  
A047619 11.9270 [  $(x+1)(3x^2+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047619 5.01806 [  $\{(n+3)a(n+1)+a(n+2)+a(n+3)+(-n-2)a(n+4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 9\}$ , ogf]  
A047620 12.5569 [  $x(3x^2+1)/(x^2+1)/(x-1)^2$  ogf]  
A047620 14.1128  $-2(1+2x+2x^2+3x^4)/(x-1)/(3x^2+1)/(1+x^2)$  lgdogf  
A047620 4.18563 [  $\{(2n+5)a(n+1)+(-2n-3)a(n+2)+(2n+5)a(n+3)+(-2n-3)a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 5\}$ , ogf]  
A047621 13.8454 [  $(3x^2+2x+3)/(x+1)/(x-1)^2$  ogf]  
A047621 18.0072  $-(3x+1)(x^2+2x+5)/(x-1)/(x+1)/(3x^2+2x+3)$  lgdogf  
A047621 7.47409 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 5, a(2) = 11\}$ , ogf]  
A047622 11.2406  $-(5+11x+9x^3+17x^2+6x^4)/(x-1)/(x^2+x+1)/(3x^2+2x+3)$  lgdogf  
A047622 12.5980 [  $x(3x^2+2x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
A047622 5.02373 [  $\{(n+3)a(n+1)+a(n+2)+a(n+3)+(-n-2)a(n+4), a(0) = 0, a(1) = 3, a(2) = 5, a(3) = 8\}$ , ogf]  
A047623 11.9270 [  $(3x^3+2x^2+2x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A047623 4.95760 [  $\{(-8n-25)a(n+1)-8a(n+2)-8a(n+3)+(8n+17)a(n+4), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 9\}$ , ogf]  
A047623 9.31364  $-(3+7x+3x^5+11x^3+17x^2+7x^4)/(x-1)/(x^2+x+1)/(2x+1+3x^3+2x^2)$  lgdogf  
A047624 11.1808 [  $x(3x^3+2x^2+2x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A047624 8.01466  $-(3+7x+9x^5+6x^6+12x^3+14x^2+13x^4)/(x-1)/(x+1)/(1+x^2)/(2x+1+3x^3+2x^2)$  lgdogf  
A047657 11.8825  $-1/6(1-4x)^{1/2}+2/3(1-4x)^{1/2}x+1/6$  revevgf  
A047657 49.9066  $-2/(6x-1)$  lgdegf  
A047657 5.79724 [  $\{(-6n-8)a(n+1)+a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A047659 5.94127 [  $-4x^4(9x^4+35x^3+49x^2+21x+6)/(x+1)^2/(x-1)^7$  ogf]  
A047659 7.62714  $-(51+257x+45x^5+554x^3+518x^2+255x^4)/(x-1)/(x+1)/(9x^4+35x^3+49x^2+21x+6)$  lgdogf  
A047661 12.6525  $-2(15+10x+2x^3+20x^2+x^4)/(x-1)/(x^4+10x^2+5)$  lgdogf  
A047661 6.94869 [  $(x^4+10x^2+5)/(x-1)^6$  ogf]  
A047663 12.9120  $-(21+20x+12x^3+50x^2+9x^4)/(x-1)/(x^2+3)/(3x^2+1)$  lgdogf  
A047663 6.96913 [  $-2(x^2+3)(3x^2+1)/(x-1)^7$  ogf]  
A047664 5.46560 [  $(x^6+21x^4+35x^2+7)/(x-1)^8$  ogf]  
A047664 8.92623  $-2(28+35x+3x^5+x^6+42x^3+105x^2+42x^4)/(x-1)/(x^6+21x^4+35x^2+7)$  lgdogf  
A047667 10.4066 [  $(3x^2-2x+3)/(x-1)^4$  ogf]  
A047667 21.9814  $-2(5+3x^2)/(x-1)/(3x^2-2x+3)$  lgdogf  
A047668 13.6736  $-(x^2+1)(x^2+2x+17)/(x-1)/(x^4-x^3+7x^2-3x+4)$  lgdogf  
A047668 7.20120 [  $-(x^4-x^3+7x^2-3x+4)/(x-1)^5$  ogf]  
A047669 10.4655  $-2(13+4x+4x^3+22x^2+5x^4)/(x-1)/(5x^4-4x^3+14x^2-4x+5)$  lgdogf  
A047669 6.41011 [  $(5x^4-4x^3+14x^2-4x+5)/(x-1)^6$  ogf]  
A047670 5.93377 [  $-(x^6-x^5+16x^4-10x^3+25x^2-5x+6)/(x-1)^7$  ogf]  
A047670 8.26006  $-(37+20x+4x^5+x^6+24x^3+95x^2+43x^4)/(x-1)/(x^6-x^5+16x^4-10x^3+25x^2-5x+6)$  lgdogf  
A047672 14.6742  $-2(5+12x+x^3+6x^2)/(x-1)/(2x^3+3x^2+6x+1)$  lgdogf  
A047672 3.84770 [  $\{(-5n^2-21n-22)a(n+1)+(-2n^2-52n-116)a(n+2)+(7n^2+37n+48)a(n+3), a(0) = 1, a(1) = 10, a(2) = 37\}$ , ogf]  
A047672 9.14453 [  $(2x^3+3x^2+6x+1)/(x-1)^4$  ogf]  
A047673 11.6952  $-(13+44x+20x^3+42x^2+x^4)/(x-1)/(x^4+8x^3+6x^2+8x+1)$  lgdogf  
A047673 7.28746 [  $-(x^4+8x^3+6x^2+8x+1)/(x-1)^5$  ogf]  
A047674 5.82640 [  $(2x^5+5x^4+20x^3+10x^2+10x+1)/(x-1)^6$  ogf]  
A047674 8.52509  $-2(8+35x+x^5+40x^3+50x^2+10x^4)/(x-1)/(2x^5+5x^4+20x^3+10x^2+10x+1)$  lgdogf

A047677 6.75839 [  $\{(n^2+5n+6)*a(n+1)-a(n+2), a(0) = 2, a(1) = 4\}$ , ogf]  
A047700 4.92541 [  $-(x^{22}-x^{21}+x^8-x^7+x^6-x^5+x^4+x^3+2*x-5)/(x-1)^2$  ogf]  
A047707 5.64214 [  $-2*x^3*(36*x^2-4*x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A047732 10.0724 [  $-(x^3-2*x^2-1)/(x-1)^4$  ogf]  
A047732 19.4712 [  $-(-4-4*x+x^3-x^2)/(x-1)/(x^3-2*x^2-1)$  lgdogf]  
A047732 3.89041 [  $\{(-35*n^2-241*n-342)*a(n+1)+(62*n^2+322*n+276)*a(n+2)+(-27*n^2-105*n-72)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 12\}$ , ogf]  
A047749 27.4487  $-1/2*(-3+(4*x+1)^{(1/2)})*x$  revogf  
A047750 13.8943  $-1/2*(-5-6*x-x^2+((1+6*x+x^2)*(3+x)^2)^{(1/2)})*x$  revogf  
A047780 10.9458  $-2*(5+17*x+36*x^3+44*x^2+3*x^4)/(x-1)/(2*x^4+16*x^3+8*x^2+3*x+1)$  lgdogf  
A047780 6.02403 [  $-x*(2*x^4+16*x^3+8*x^2+3*x+1)/(x-1)^7$  ogf]  
A047781 3.40946 [  $\{(n^2+n)*a(n)+(-7*n^2-13*n-6)*a(n+1)+(7*n^2+29*n+30)*a(n+2)+(-n^2-5*n-6)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A047781 9.49062  $-1/2*(4*(8*x^2+4*x+1)^{(1/2)}*x+(8*x^2+4*x+1)^{(1/2)}-1-6*x-12*x^2)/x/(2*x+1)$  revogf  
A047786 12.7885 [  $-(29+104*x+2*x^3+45*x^2)/(x-1)/(x^3+14*x^2+19*x+2)$  lgdogf]  
A047786 3.87378 [  $\{(-436*n^2-1359*n-974)*a(n+1)+(6425*n^2+45320*n+93734)*a(n+2)+(-5989*n^2-21749*n-19542)*a(n+3), a(0) = 0, a(1) = 6, a(2) = 87\}$ , ogf]  
A047786 8.45568 [  $-3*x*(x^3+14*x^2+19*x+2)/(x-1)^5$  ogf]  
A047790 13.8128 [  $-(-6+24*x+8*x^3-27*x^2)/(x-1)/(2*x-1)/(x^2-3*x+1)$  lgdogf]  
A047790 15.7277 [  $x^3/(2*x-1)/(x-1)/(x^2-3*x+1)$  ogf]  
A047810 3.13832 [  $4*x*(x+1)/(x-1)^4$  ogf]  
A047810 9.50600 [[5-x] ogf\_with\_Euler\_transform]  
A047810 9.77457  $-(5+3*x)/(x-1)/(x+1)$  lgdogf  
A047819 10.5974  $-2*(10+65*x+37*x^3+95*x^2+3*x^4)/(x-1)/(x^4+10*x^3+20*x^2+10*x+1)$  lgdogf  
A047819 3.85722 [  $\{(-n^2-13*n-42)*a(n+1)+(2*n^2+20*n+72)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 20, a(2) = 175\}$ , ogf]  
A047819 4.64910 [  $(x^4+10*x^3+20*x^2+10*x+1)/(x-1)^{10}$  ogf]  
A047835 3.13277 [  $\{(n^3+24*n^2+191*n+504)*a(n+1)+(20*n^2+240*n+820)*a(n+2)+(-n^3-12*n^2-47*n-60)*a(n+3), a(0) = 1, a(1) = 70, a(2) = 1764\}$ , ogf]  
A047838 11.6819 [  $(x^3-x^2-x-1)/(x+1)/(x-1)^3$  ogf]  
A047838 15.8050 [  $-(x^2+2*x+3)*(x^2-2*x-1)/(x-1)/(x+1)/(x^3-x^2-x-1)$  lgdogf]  
A047849 14.7275  $-1/2*(-1-5*x+(1-2*x+9*x^2)^{(1/2)})/(3+4*x)$  revogf  
A047849 15.8902  $-2*(1-4*x+6*x^2)/(x-1)/(3*x-1)/(4*x-1)$  lgdogf  
A047849 16.2905 [  $-(3*x-1)/(4*x-1)/(x-1)$  ogf]  
A047849 8.93990 [  $\{a(n+2)-5*a(n+1)+4*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A047850 14.0052 [  $-(4*x-1)/(5*x-1)/(x-1)$  ogf]  
A047850 14.7069  $-1/2*(-1-6*x+(1-4*x+16*x^2)^{(1/2)})/(5*x+4)$  revogf  
A047850 15.8382  $-2*(1-5*x+10*x^2)/(x-1)/(4*x-1)/(5*x-1)$  lgdogf  
A047850 7.68577 [  $\{a(n+2)-6*a(n+1)+5*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A047851 12.4487 [  $-(5*x-1)/(6*x-1)/(x-1)$  ogf]  
A047851 13.0479  $-1/2*(-1-7*x+(1-6*x+25*x^2)^{(1/2)})/(5+6*x)$  revogf  
A047851 14.0516  $-2*(1-6*x+15*x^2)/(x-1)/(6*x-1)/(5*x-1)$  lgdogf  
A047851 6.83161 [  $\{a(n+2)-7*a(n+1)+6*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A047852 11.9164 [  $-(6*x-1)/(x-1)/(7*x-1)$  ogf]  
A047852 12.4822  $-1/2*(-1-8*x+(1-8*x+36*x^2)^{(1/2)})/(6+7*x)$  revogf  
A047852 13.4424  $-2*(1-7*x+21*x^2)/(x-1)/(6*x-1)/(7*x-1)$  lgdogf  
A047852 6.53946 [  $\{a(n+2)-8*a(n+1)+7*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A047853 14.0724 [  $-(7*x-1)/(8*x-1)/(x-1)$  ogf]  
A047853 14.4438  $-1/2*(-1-9*x+(1-10*x+49*x^2)^{(1/2)})/(7+8*x)$  revogf  
A047853 15.9252  $-2*(1-8*x+28*x^2)/(x-1)/(8*x-1)/(7*x-1)$  lgdogf  
A047853 7.72268 [  $\{a(n+2)-9*a(n+1)+8*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A047854 10.0535 [  $-(8*x-1)/(x-1)/(9*x-1)$  ogf]  
A047854 10.2477  $-1/2*(-1-10*x+(1-12*x+64*x^2)^{(1/2)})/(8+9*x)$  revogf  
A047854 11.5615  $-2*(1-9*x+36*x^2)/(x-1)/(8*x-1)/(9*x-1)$  lgdogf  
A047854 5.57180 [  $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A047855 15.2226 [  $-(9*x-1)/(10*x-1)/(x-1)$  ogf]  
A047855 15.6285  $-1/2*(-1-11*x+(1-14*x+81*x^2)^{(1/2)})/(9+10*x)$  revogf

A047855 17.1533  $-2*(1-10*x+45*x^2)/(x-1)/(9*x-1)/(10*x-1)$  lgdogf  
A047855 8.51740  $[ \{a(n+2)-11*a(n+1)+10*a(n), a(0) = 1, a(1) = 2\}, ogf ]$   
A047856 10.3210  $-2*(1-11*x+55*x^2)/(x-1)/(10*x-1)/(11*x-1)$  lgdogf  
A047856 5.29540  $[ \{a(n+2)-12*a(n+1)+11*a(n), a(0) = 1, a(1) = 2\}, ogf ]$   
A047856 9.22300  $-1/2*(-1-12*x+(1-16*x+100*x^2)^(1/2))/(10+11*x)$  revogf  
A047856 9.26696  $[ -(10*x-1)/(11*x-1)/(x-1) ogf ]$   
A047859 13.1244  $[ (x^2+x-1)/(x-1)/(2*x-1)^2 ogf ]$   
A047859 14.3671  $-(4-10*x+2*x^3+5*x^2)/(x-1)/(2*x-1)/(x^2+x-1)$  lgdogf  
A047859 7.08483  $[ \{-a(n+3)+5*a(n+2)-8*a(n+1)+4*a(n), a(0) = 1, a(1) = 4, a(2) = 11\}, ogf ]$   
A047860 11.5788  $[ (3*x^2-1)/(x-1)/(2*x-1)^2 ogf ]$   
A047860 14.3671  $-(5-12*x+6*x^3+3*x^2)/(x-1)/(2*x-1)/(3*x^2-1)$  lgdogf  
A047860 5.84063  $[ \{-a(n+3)+5*a(n+2)-8*a(n+1)+4*a(n), a(0) = 1, a(1) = 5, a(2) = 14\}, ogf ]$   
A047861 13.1244  $[ (5*x^2-x-1)/(x-1)/(2*x-1)^2 ogf ]$   
A047861 14.0548  $-(6-14*x+10*x^3+x^2)/(x-1)/(2*x-1)/(5*x^2-x-1)$  lgdogf  
A047861 7.08483  $[ \{-a(n+3)+5*a(n+2)-8*a(n+1)+4*a(n), a(0) = 1, a(1) = 6, a(2) = 17\}, ogf ]$   
A047862 12.5538  $[ (7*x^2-2*x-1)/(x-1)/(2*x-1)^2 ogf ]$   
A047862 12.7734  $-(7-16*x+14*x^3-x^2)/(x-1)/(2*x-1)/(7*x^2-2*x-1)$  lgdogf  
A047862 6.77681  $[ \{-a(n+3)+5*a(n+2)-8*a(n+1)+4*a(n), a(0) = 1, a(1) = 7, a(2) = 20\}, ogf ]$   
A047865 4.25953  $[ \{(-n-5)*a(n+5)+(n+4)*a(n+4)+a(n+1), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1/4\}, egf ]$   
A047865 44.9420  $x^3+(-1+x)*f(x)$  lgdegf  
A047866 6.06589  $[ x*(3*x^6-2*x^5+3*x^4-x^3+2*x^2+1)/(x^4+1)/(x^2+1)/(x+1)/(x-1)^4 ogf ]$   
A047876 4.83127  $[ 2*x*(x^13+x^11-x^9-2*x^8-4*x^7-x^6+x^5+2*x^4-4*x^2-4*x-3)/(x^2+1)/(x+1)/(x^2+x+1)^2/(x-1)^3 ogf ]$   
A047877 4.57429  $[ x*(x^13+x^11-x^9-2*x^8-4*x^7-x^6+x^5+2*x^4-4*x^2-4*x-3)/(x^2+1)/(x+1)/(x^2+x+1)^2/(x-1)^3 ogf ]$   
A047878 10.0845  $[ x*(2*x^4-2*x^3-x^2-x+3)/(x^2+x+1)/(x-1)^2 ogf ]$   
A047878 13.8623  $2*(-1-x^3-2*x^2+x^4)/(x-1)/(x^2+x+1)/(2*x^4-2*x^3-x^2-x+3)$  lgdogf  
A047879 4.39410  $[ 2*x*(x^10+3*x^9-x^8-4*x^7-5*x^6-4*x^5-2*x^3-4*x^2-5*x-5)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^3 ogf ]$   
A047880 4.57717  $[ x*(x^10+3*x^9-x^8-4*x^7-5*x^6-4*x^5-2*x^3-4*x^2-5*x-5)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^3 ogf ]$   
A047881 4.56125  $[ -2*x*(x^10+3*x^9-x^8-4*x^7-5*x^6-4*x^5-2*x^3-4*x^2-5*x-5)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^4 ogf ]$   
A047882 4.82361  $[ -x*(x^10+3*x^9-x^8-4*x^7-5*x^6-4*x^5-2*x^3-4*x^2-5*x-5)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^4 ogf ]$   
A047883 5.44275  $[ x*(2*x^5-2*x^4-4*x^3+4*x^2+5*x+2)/(x-1)^2 ogf ]$   
A047883 5.89311  $(-9-13*x+6*x^5+4*x^3+12*x^2-14*x^4)/(x-1)/(2*x^5-2*x^4-4*x^3+4*x^2+5*x+2)$  lgdogf  
A047891 10.2407  $-1/2*(-2*x-1+(1-8*x+4*x^2)^(1/2))/(1-8*x+4*x^2)^(1/2)/x$  lgdogf  
A047891 35.2023  $-x*(x-1)/(2*x+1)$  revogf  
A047900 14.2295  $[ 8*(2*x-1)/(10*x-1) ogf ]$   
A047900 14.2997  $1/4+5/16*x-1/16*(16+24*x+25*x^2)^(1/2)$  revogf  
A047900 28.5995  $8/(10*x-1)/(-1+2*x)$  lgdogf  
A047900 7.49934  $[ \{a(n+2)-10*a(n+1), a(0) = 8, a(1) = 64\}, ogf ]$   
A047903 4.15888  $[ -13*(46126080*x^7-1467648*x^6-235872*x^5-22176*x^4-3636*x^3-972*x^2+4*x+1)/(1000*x^2-1) ogf ]$   
A047915 13.2727  $[ -(11*x^2-11*x+6)/(x-1)^3 ogf ]$   
A047915 24.8695  $-(7+11*x^2)/(x-1)/(11*x^2-11*x+6)$  lgdogf  
A047915 7.39981  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 6, a(1) = 7, a(2) = 14\}, ogf ]$   
A047926 12.9346  $[ (2*x-1)/(3*x-1)/(x-1)^2 ogf ]$   
A047926 17.2398  $-(3-11*x+12*x^2)/(x-1)/(3*x-1)/(-1+2*x)$  lgdogf  
A047926 6.12085  $[ \{a(n+3)-5*a(n+2)+7*a(n+1)-3*a(n), a(0) = 1, a(1) = 3, a(2) = 14\}, ogf ]$

8}], ogf]

A047927 28.2635  $-4*(2+3*x)/(3*x+1)/(x-1)$  lgdogf

A047927 4.56167  $[ \{ (-2-n)*a(n+3)+(6-2*n)*a(n+2)+(12+3*n)*a(n+1), a(0) = 0, a(1) = 6, a(2) = 48 \}, ogf]$

A047927 9.06332  $[ -6*x*(3*x+1)/(x-1)^5 ogf]$

A047928 31.1507  $-2*(3+2*x)/(x-1)/(x+1)$  lgdogf

A047928 32.8420  $[ [6-x] ogf\_with\_Euler\_transform]$

A047928 5.15411  $[ \{ (n+2)*a(n+3)-6*a(n+2)+(-4-n)*a(n+1), a(0) = 0, a(1) = 12, a(2) = 72 \}, ogf]$

A047928 9.03643  $[ -12*x*(x+1)/(x-1)^5 ogf]$

A047929 34.4406  $-4*(x+4)/(x+3)/(x-1)$  lgdogf

A047929 4.60067  $[ \{ (6+3*n)*a(n+3)+(-18-2*n)*a(n+2)+(-4-n)*a(n+1), a(0) = 0, a(1) = 18, a(2) = 96 \}, ogf]$

A047929 9.20134  $[ -6*x*(x+3)/(x-1)^5 ogf]$

A047946 10.3198  $[ -(2*x^2+4*x-3)/(x+1)/(x^2-3*x+1) ogf]$

A047946 10.4461  $-(2+8*x+8*x^3-13*x^2+2*x^4)/(x+1)/(x^2-3*x+1)/(2*x^2+4*x-3)$  lgdogf

A047946 5.62058  $[ \{-a(n+3)+2*a(n+2)+2*a(n+1)-a(n), a(0) = 3, a(1) = 2, a(2) = 8 \}, ogf]$

A047974 138.975  $2*x+1$  lgdegf

A047974 7.17823  $[ \{ (-2*n-4)*a(n+1)+a(n+3)-a(n+2), a(0) = 1, a(1) = 1, a(2) = 3 \}, ogf]$

A048058 11.5458  $[ -(11*x^2-20*x+11)/(x-1)^3 ogf]$

A048058 18.0903  $-(13-18*x+11*x^2)/(x-1)/(11*x^2-20*x+11)$  lgdogf

A048058 6.42546  $[ \{ a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 11, a(1) = 13, a(2) = 17 \}, ogf]$

A048162 10.4141  $[ -(x+1)*(3*x^4-x^3-2*x^2+2*x-1)/(x-1)/(x^2+x-1) ogf]$

A048162 8.00147  $(-1-24*x^5+2*x^6+6*x^7+18*x^3-6*x^2+3*x^4)/(x-1)/(x+1)/(x^2+x-1)/(3*x^4-x^3-2*x^2+2*x-1)$  lgdogf

A048172 24.0463  $(-x^2+\ln(x+1)*x+\ln(x+1))/(x+1)$  revegf

A048173 5.43523  $-\exp(x)-\exp(-x)+x+2$  revegf

A048260 10.1125  $(15-13*x+7*x^9+8*x^7-15*x^8-5*x^3+3*x^2+2*x^4)/(x-1)/(x^9-x^8+x^4-x^3+2*x^2+9*x-12)$  lgdogf

A048260 9.83583  $[ -2*(x^9-x^8+x^4-x^3+2*x^2+9*x-12)/(x-1)^2 ogf]$

A048268 5.32460  $[ \{ a(n+5)-3*a(n+4)+3*a(n+3)-a(n+2), a(0) = 6643, a(1) = 10, a(2) = 46, a(3) = 67, a(4) = 92 \}, ogf]$

A048268 8.73928  $[ -(19*x^4-6684*x^3+19945*x^2-19919*x+6643)/(x-1)^3 ogf]$

A048268 9.98354  $(-10-52*x-76*x^3+107*x^2+19*x^4)/(x-1)/(19*x^4-6684*x^3+19945*x^2-19919*x+6643)$  lgdogf

A048269 6.08646  $[ (81*x^10-259*x^8+14*x^7+283*x^6-46*x^5-106*x^4+54*x^3-6*x^2-26*x-5)/(x-1)^3/(x+1)^3 ogf]$

A048271 14.3625  $[ -(7*x^5-2*x^4-3*x^3+x^2+7*x+1)/(x-1)/(x+1)/(x^4-x^3+x^2-x+1) ogf]$

A048271 9.38797  $-(8+2*x-4*x^9+7*x^10-50*x^5+32*x^6+10*x^7-7*x^8-2*x^3-10*x^2+36*x^4)/(x-1)/(x+1)/(x^4-x^3+x^2-x+1)/(7*x^5-2*x^4-3*x^3+x^2+7*x+1)$  lgdogf

A048287 48.4137  $-\ln(1-x+x^2)$  revegf

A048305 5.00869  $[ x*(7*x^15+8*x^13+8*x^12+8*x^11+8*x^10+8*x^9+8*x^8+2*x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]$

A048306 4.49705  $[ x*(8*x^17+9*x^15+9*x^14+9*x^13+9*x^12+9*x^11+9*x^10+9*x^9+2*x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]$

A048328 12.2690  $-2*(-1-4*x+6*x^3-4*x^2+9*x^4)/(x-1)/(2*x+1)/(x+1)/(3*x^2-1)$  lgdogf

A048328 13.8608  $[ x*(2*x+1)/(x-1)/(x+1)/(3*x^2-1) ogf]$

A048329 12.0458  $[ x*(3*x^2+2*x+1)/(x-1)/(4*x^3-1)/(x^2+x+1) ogf]$

A048329 7.95473  $-( -2-6*x+24*x^5+40*x^6+48*x^7-20*x^3-15*x^2-15*x^4)/(x-1)/(3*x^2+2*x+1)/(4*x^3-1)/(x^2+x+1)$  lgdogf

A048330 11.0869  $[ x*(4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(5*x^4-1) ogf]$

A048330 6.07947  $-2*(-1-3*x$   
 $+45*x^9+50*x^10-18*x^5-12*x^6+20*x^7+35*x^8-12*x^3-6*x^2-18*x^4)/(x-1)/(x+1)/$   
 $(x^2+1)/(4*x^3+3*x^2+2*x+1)/(5*x^4-1)$  lgdogf  
A048331 9.67960 [  $x*(5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x^4+x^3+x^2+x+1)/(6*x^5-1)$   
ogf ]  
A048332 8.93245 [  $x*(6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x$   
 $+1)/(7*x^6-1)$  ogf ]  
A048333 8.43115 [  $x*(7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)/(8*x^7-1)$  ogf ]  
A048334 7.55078 [  $x*(8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/$   
 $(x^2+1)/(3*x^4-1)/(3*x^4+1)/(x^4+1)$  ogf ]  
A048335 6.45472 [  $x*(10*x^9+9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/$   
 $(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(11*x^10-1)$  ogf ]  
A048336 6.05922 [  $x*(11*x^10+10*x^9+9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/$   
 $(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(12*x^11-1)$  ogf ]  
A048345 13.3687  $1/10*(-5+(25+320*x+10*x^2)^(1/2))/(32+x)$  revogf  
A048345 14.4527  $-4*(8+5*x+80*x^2)/(32*x+1)/(10*x^2-1)$  lgdogf  
A048345 3.25762 [  $-10*x*(15210000000*x^16+480000000*x^15+108160*x^3+3380*x^2+5408*x+169)/$   
 $(150000000*x^16-480000000*x^15+33800*x^4-1690*x^2-169)$  ogf ]  
A048355 6.14126 [  $-x*(2250*x^4+535*x^2+200*x+24)/(10*x^2-1)$  ogf ]  
A048365 10.1036  $-5*(1+32*x+20*x^3+156*x^2+160*x^4)/(10*x^3-1)/(80*x^2+5*x+26)$   
lgdogf  
A048365 11.2242 [  $-(160*x^4+52*x^2+1)/(10*x^3-1)$  ogf ]  
A048365 5.71234 [ {a(n+5)-10\*a(n+2), a(0) = 1, a(1) = 0, a(2) = 52, a(3) = 10,  
a(4) = 160}, ogf ]  
A048379 6.39962 [  $-(10*x^20-20*x^10+9*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x$   
 $+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A048395 21.0766  $-2*(13+10*x+x^2)/(x+5)/(x-1)/(x+1)$  lgdogf  
A048395 9.96600 [  $x*(x+5)*(x+1)/(x-1)^4$  ogf ]  
A048396 12.2786  $-(35+119*x+9*x^3+77*x^2)/(x-1)/(x+1)/(3*x^2+14*x+3)$  lgdogf  
A048396 4.29718 [ {(-4\*n^2-19\*n-21)\*a(n+1)+(8\*n^2+40\*n+137)\*a(n  
+2)+(-4\*n^2-21\*n-26)\*a(n+3), a(0) = 0, a(1) = 27, a(2) = 315}, ogf ]  
A048396 7.41872 [  $9*x*(x+1)*(3*x^2+14*x+3)/(x-1)^6$  ogf ]  
A048397 4.04835 [  $x*(x+1)*(x^5+127*x^4+2014*x^3+5786*x^2+2033*x+119)/(x-1)^8$   
ogf ]  
A048397 5.57729  $-2*(1552+15351*x+195*x^5+x^6+23782*x^3+35157*x^2+4602*x^4)/$   
 $(x-1)/(x+1)/(x^5+127*x^4+2014*x^3+5786*x^2+2033*x+119)$  lgdogf  
A048437 5.52187 [  $(760*x^5-1380*x^4+500*x^3+100*x^2+20*x-1)/(25*x-1)/(x-1)^2$   
ogf ]  
A048438 4.98341 [  $(9300*x^6-17070*x^5+6480*x^4+1080*x^3+180*x^2+30*x-1)/$   
 $(36*x-1)/(x-1)^2$  ogf ]  
A048439 4.41453 [  $(137214*x^7-254856*x^6+100842*x^5+14406*x^4+2058*x^3+294*x^2+42*x-1)/(49*x-1)/$   
 $(x-1)^2$  ogf ]  
A048440 3.91992 [  $(2396688*x^8-4493832*x^7+1835008*x^6+229376*x^5+28672*x^4+3584*x^3+448*x^2+56*x-$   
 $-1)/(64*x-1)/(x-1)^2$  ogf ]  
A048442 7.10026  $169-858*x+1089*x^2+(-26+378*x$   
 $+726*x^3-1078*x^2)*f(x)+(121*x^4+166*x^2+1-24*x-264*x^3)*f(x)^2$  lgdogf  
A048443 5.97107  $196-1008*x+1296*x^2+(-28+436*x$   
 $+864*x^3-1272*x^2)*f(x)+(144*x^4+193*x^2+1-26*x-312*x^3)*f(x)^2$  lgdogf  
A048467 10.3244 [  $(9*x^2-3*x-1)/(x-1)/(2*x-1)^2$  ogf ]  
A048467 12.0874  $-(3*x-2)*(6*x^2+3*x-4)/(x-1)/(-1+2*x)/(9*x^2-3*x-1)$  lgdogf  
A048467 5.57333 [ {-a(n+3)+5\*a(n+2)-8\*a(n+1)+4\*a(n), a(0) = 1, a(1) = 8, a(2) =  
23}, ogf ]  
A048468 11.8549  $-(9-20*x+22*x^3-5*x^2)/(x-1)/(-1+2*x)/(11*x^2-4*x-1)$  lgdogf  
A048468 12.4067 [  $(11*x^2-4*x-1)/(x-1)/(2*x-1)^2$  ogf ]  
A048468 6.80720 [ {-a(n+3)+5\*a(n+2)-8\*a(n+1)+4\*a(n), a(0) = 1, a(1) = 9, a(2) =  
26}, ogf ]

A048469 11.7570  $-(10-22*x+26*x^3-7*x^2)/(x-1)/(-1+2*x)/(13*x^2-5*x-1)$  lgdogf  
A048469 12.5175  $[(13*x^2-5*x-1)/(x-1)/(2*x-1)^2$  ogf]  
A048469 6.80774  $[{-a(n+3)+5*a(n+2)-8*a(n+1)+4*a(n), a(0) = 1, a(1) = 10, a(2) = 29},$  ogf]  
A048470 10.1019  $-(3-12*x-32*x^3+24*x^2+20*x^4)/(x-1)/(-1+2*x)/(5*x^3-7*x^2+4*x-1)$  lgdogf  
A048470 7.61469  $[(5*x^3-7*x^2+4*x-1)/(2*x-1)^2/(x-1)^3$  ogf]  
A048473 13.6624  $[(x+1)/(3*x-1)/(x-1)$  ogf]  
A048473 13.9984  $-1/2*(-1-4*x+(1+12*x+4*x^2)^(1/2))/(-1+3*x)$  revogf  
A048473 17.1980  $-(-5+6*x+3*x^2)/(x-1)/(3*x-1)/(x+1)$  lgdogf  
A048473 7.49763  $[{-a(n+2)+4*a(n+1)-3*a(n), a(0) = 1, a(1) = 5},$  ogf]  
A048474 10.4882  $[-(x^2-x+1)/(x-1)/(2*x-1)^2$  ogf]  
A048474 13.6186  $-(-4+6*x+2*x^3-3*x^2)/(x-1)/(-1+2*x)/(1+x^2-x)$  lgdogf  
A048474 5.66179  $[{a(n+3)-5*a(n+2)+8*a(n+1)-4*a(n), a(0) = 1, a(1) = 4, a(2) = 13},$  ogf]  
A048476 12.4339  $[(x^2-x-1)/(x-1)/(2*x-1)^2$  ogf]  
A048476 14.1256  $-(-6-6*x+2*x^3-3*x^2)/(x-1)/(-1+2*x)/(-1+x^2-x)$  lgdogf  
A048476 6.71211  $[{a(n+3)-5*a(n+2)+8*a(n+1)-4*a(n), a(0) = 1, a(1) = 6, a(2) = 21},$  ogf]  
A048477 12.5454  $[(2*x^2-2*x-1)/(x-1)/(2*x-1)^2$  ogf]  
A048477 13.1289  $-(-7-6*x+4*x^3-6*x^2)/(x-1)/(-1+2*x)/(-1+2*x^2-2*x)$  lgdogf  
A048477 6.77230  $[{a(n+3)-5*a(n+2)+8*a(n+1)-4*a(n), a(0) = 1, a(1) = 7, a(2) = 25},$  ogf]  
A048478 12.5454  $[(3*x^2-3*x-1)/(x-1)/(2*x-1)^2$  ogf]  
A048478 13.1289  $-(-8-6*x+6*x^3-9*x^2)/(x-1)/(-1+2*x)/(-1+3*x^2-3*x)$  lgdogf  
A048478 6.77230  $[{a(n+3)-5*a(n+2)+8*a(n+1)-4*a(n), a(0) = 1, a(1) = 8, a(2) = 29},$  ogf]  
A048479 12.5454  $[(4*x^2-4*x-1)/(x-1)/(2*x-1)^2$  ogf]  
A048479 13.6759  $-(-2*x-3)*(4*x^2-3)/(x-1)/(-1+2*x)/(-1+4*x^2-4*x)$  lgdogf  
A048479 6.77230  $[{a(n+3)-5*a(n+2)+8*a(n+1)-4*a(n), a(0) = 1, a(1) = 9, a(2) = 33},$  ogf]  
A048480 11.8153  $-(-10-6*x+10*x^3-15*x^2)/(x-1)/(-1+2*x)/(-1+5*x^2-5*x)$  lgdogf  
A048480 12.8242  $[(5*x^2-5*x-1)/(x-1)/(2*x-1)^2$  ogf]  
A048480 6.86207  $[{a(n+3)-5*a(n+2)+8*a(n+1)-4*a(n), a(0) = 1, a(1) = 10, a(2) = 37},$  ogf]  
A048481 10.9791  $[(4*x^2-3*x+1)/(2*x-1)^2/(x-1)^2$  ogf]  
A048481 11.9831  $-(-3+9*x+16*x^3-18*x^2)/(x-1)/(-1+2*x)/(4*x^2-3*x+1)$  lgdogf  
A048482 8.36909  $-(-3-4*x-24*x^3+10*x^2+16*x^4)/(x-1)/(-1+2*x)/(8*x^3-10*x^2+4*x-1)$  lgdogf  
A048482 9.34426  $[-(8*x^3-10*x^2+4*x-1)/(x-1)/(2*x-1)^3$  ogf]  
A048487 15.1164  $[(3*x+1)/(2*x-1)/(x-1)$  ogf]  
A048487 16.2594  $-1/2*(-1-3*x+(1+18*x+x^2)^(1/2))/(-3+2*x)$  revogf  
A048487 16.6659  $-2*(-3+2*x+3*x^2)/(x-1)/(-1+2*x)/(3*x+1)$  lgdogf  
A048487 8.29561  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 6},$  ogf]  
A048488 14.2175  $[(4*x+1)/(2*x-1)/(x-1)$  ogf]  
A048488 16.0594  $-1/4*(-1-3*x+(1+22*x+x^2)^(1/2))/(-2+x)$  revogf  
A048488 16.4820  $-(-7+4*x+8*x^2)/(x-1)/(-1+2*x)/(4*x+1)$  lgdogf  
A048488 7.80228  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 7},$  ogf]  
A048489 14.3672  $[(5*x+1)/(2*x-1)/(x-1)$  ogf]  
A048489 15.4403  $-1/2*(-1-3*x+(1+26*x+x^2)^(1/2))/(-5+2*x)$  revogf  
A048489 15.8263  $-2*(-4+2*x+5*x^2)/(x-1)/(5*x+1)/(-1+2*x)$  lgdogf  
A048489 7.88441  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 8},$  ogf]  
A048490 16.4911  $-(-9+4*x+12*x^2)/(x-1)/(-1+2*x)/(6*x+1)$  lgdogf  
A048490 16.4911  $-1/4*(-1-3*x+(1+30*x+x^2)^(1/2))/(-3+x)$  revogf  
A048490 16.5595  $[(6*x+1)/(2*x-1)/(x-1)$  ogf]  
A048490 9.08751  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 9},$  ogf]  
A048491 14.6665  $[(7*x+1)/(2*x-1)/(x-1)$  ogf]  
A048491 15.7688  $-1/2*(-1-3*x+(1+34*x+x^2)^(1/2))/(-7+2*x)$  revogf  
A048491 16.5775  $-2*(x+1)*(7*x-5)/(x-1)/(7*x+1)/(-1+2*x)$  lgdogf  
A048491 7.95170  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 10},$  ogf]  
A048492 12.8045  $-(-3+8*x+8*x^3-10*x^2)/(-1+2*x)/(x-1)/(2*x^2-2*x+1)$  lgdogf



A048492 9.66138 [  $(2*x^2-2*x+1)/(2*x-1)/(x-1)^3$  ogf]  
A048493 8.12635  $-(3-7*x-8*x^3+6*x^2+8*x^4)/(-1+2*x)/(x-1)/(4*x^3-5*x^2+3*x-1)$  lgdogf  
A048493 9.78035 [  $-(4*x^3-5*x^2+3*x-1)/(2*x-1)^2/(x-1)^2$  ogf]  
A048495 10.7643 [  $-(4*x^2-3*x+1)/(x-1)/(2*x-1)^2$  ogf]  
A048495 12.3684  $-2*(-1+2*x+4*x^3-4*x^2)/(x-1)/(-1+2*x)/(4*x^2-3*x+1)$  lgdogf  
A048495 5.86271 [  $\{a(n+3)-5*a(n+2)+8*a(n+1)-4*a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A048496 10.4336 [  $-(5*x^2-3*x+1)/(x-1)/(2*x-1)^2$  ogf]  
A048496 12.2181  $-(-2+2*x+10*x^3-7*x^2)/(x-1)/(-1+2*x)/(5*x^2-3*x+1)$  lgdogf  
A048496 5.68259 [  $\{a(n+3)-5*a(n+2)+8*a(n+1)-4*a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
A048497 10.4336 [  $-(6*x^2-3*x+1)/(x-1)/(2*x-1)^2$  ogf]  
A048497 12.9817  $-2*(-1+6*x^3-3*x^2)/(x-1)/(-1+2*x)/(6*x^2-3*x+1)$  lgdogf  
A048497 5.68259 [  $\{a(n+3)-5*a(n+2)+8*a(n+1)-4*a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A048498 10.7067 [  $-(7*x^2-3*x+1)/(x-1)/(2*x-1)^2$  ogf]  
A048498 12.5448  $-(-2-2*x+14*x^3-5*x^2)/(x-1)/(-1+2*x)/(7*x^2-3*x+1)$  lgdogf  
A048498 5.83135 [  $\{a(n+3)-5*a(n+2)+8*a(n+1)-4*a(n), a(0) = 1, a(1) = 2, a(2) = 9\}$ , ogf]  
A048499 12.4897 [  $-(8*x^2-3*x+1)/(x-1)/(2*x-1)^2$  ogf]  
A048499 12.5598  $-2*(-1-2*x+8*x^3-2*x^2)/(x-1)/(-1+2*x)/(8*x^2-3*x+1)$  lgdogf  
A048499 6.74220 [  $\{a(n+3)-5*a(n+2)+8*a(n+1)-4*a(n), a(0) = 1, a(1) = 2, a(2) = 10\}$ , ogf]  
A048500 12.4897 [  $-(9*x^2-3*x+1)/(x-1)/(2*x-1)^2$  ogf]  
A048500 12.8061  $-(-2-6*x+18*x^3-3*x^2)/(x-1)/(-1+2*x)/(9*x^2-3*x+1)$  lgdogf  
A048500 6.74220 [  $\{a(n+3)-5*a(n+2)+8*a(n+1)-4*a(n), a(0) = 1, a(1) = 2, a(2) = 11\}$ , ogf]  
A048501 12.3431 [  $-(10*x^2-3*x+1)/(x-1)/(2*x-1)^2$  ogf]  
A048501 12.6239  $-2*(-1-4*x+10*x^3-x^2)/(x-1)/(-1+2*x)/(10*x^2-3*x+1)$  lgdogf  
A048501 6.77230 [  $\{a(n+3)-5*a(n+2)+8*a(n+1)-4*a(n), a(0) = 1, a(1) = 2, a(2) = 12\}$ , ogf]  
A048502 12.3431 [  $-(11*x^2-3*x+1)/(x-1)/(2*x-1)^2$  ogf]  
A048502 12.3857  $-(2*x+1)*(11*x^2-6*x-2)/(x-1)/(-1+2*x)/(11*x^2-3*x+1)$  lgdogf  
A048502 6.77230 [  $\{a(n+3)-5*a(n+2)+8*a(n+1)-4*a(n), a(0) = 1, a(1) = 2, a(2) = 13\}$ , ogf]  
A048503 7.23239 [  $(2*x^3-6*x^2+4*x-1)/(2*x-1)^2/(x-1)^3$  ogf]  
A048503 9.73627  $-(3-14*x-32*x^3+32*x^2+8*x^4)/(x-1)/(-1+2*x)/(2*x^3-6*x^2+4*x-1)$  lgdogf  
A048504 5.58378 [  $-(4*x^4-16*x^3+16*x^2-6*x+1)/(x-1)^2/(2*x-1)^3$  ogf]  
A048504 6.59672  $-2*(-1+4*x+4*x^5+32*x^3-16*x^2-24*x^4)/(x-1)/(-1+2*x)/(4*x^4-16*x^3+16*x^2-6*x+1)$  lgdogf  
A048506 8.72168  $-(2-6*x-28*x^3+17*x^2+16*x^4)/(x-1)/(-1+2*x)/(8*x^3-11*x^2+5*x-1)$  lgdogf  
A048506 9.65090 [  $-(8*x^3-11*x^2+5*x-1)/(x-1)/(2*x-1)^3$  ogf]  
A048507 9.18732 [  $(16*x^3-17*x^2+3*x+1)/(x-1)/(2*x-1)^3$  ogf]  
A048507 9.21880  $-(-10+30*x-36*x^3-13*x^2+32*x^4)/(x-1)/(-1+2*x)/(16*x^3-17*x^2+3*x+1)$  lgdogf  
A048508 7.99844 [  $(40*x^3-43*x^2+10*x+1)/(x-1)/(2*x-1)^3$  ogf]  
A048508 9.18127  $-(-17+54*x-92*x^3-17*x^2+80*x^4)/(x-1)/(-1+2*x)/(40*x^3-43*x^2+10*x+1)$  lgdogf  
A048509 8.92623  $-(-26+86*x-164*x^3-25*x^2+144*x^4)/(x-1)/(-1+2*x)/(72*x^3-77*x^2+19*x+1)$  lgdogf  
A048509 9.15741 [  $(72*x^3-77*x^2+19*x+1)/(x-1)/(2*x-1)^3$  ogf]  
A048510 8.25385  $-(-37+126*x-252*x^3-37*x^2+224*x^4)/(x-1)/(-1+2*x)/(112*x^3-119*x^2+30*x+1)$  lgdogf  
A048510 9.21999 [  $(112*x^3-119*x^2+30*x+1)/(x-1)/(2*x-1)^3$  ogf]  
A048511 7.60224 [  $(160*x^3-169*x^2+43*x+1)/(x-1)/(2*x-1)^3$  ogf]  
A048511 8.34074  $-(-50+174*x-356*x^3-53*x^2+320*x^4)/(x-1)/(-1+2*x)/(160*x^3-169*x^2+43*x+1)$  lgdogf  
A048512 7.60224 [  $(216*x^3-227*x^2+58*x+1)/(x-1)/(2*x-1)^3$  ogf]

A048512 8.34074  $-( -65+230*x-476*x^3-73*x^2+432*x^4)/(x-1)/(-1+2*x)/(216*x^3-227*x^2+58*x+1)$  lgdogf  
A048513 7.60224  $[(280*x^3-293*x^2+75*x+1)/(x-1)/(2*x-1)^3$  ogf]  
A048513 8.34074  $-( -82+294*x-612*x^3-97*x^2+560*x^4)/(x-1)/(-1+2*x)/(280*x^3-293*x^2+75*x+1)$  lgdogf  
A048514 4.78534  $[(8*x^5-37*x^4+46*x^3-25*x^2+7*x-1)/(2*x-1)^3/(x-1)^4$  ogf]  
A048515 5.18906  $[-(8*x^5-43*x^4+53*x^3-23*x^2+4*x-1)/(2*x-1)^3/(x-1)^3$  ogf]  
A048515 6.13599  $-(5+10*x-124*x^5+16*x^6-12*x^3-50*x^2+149*x^4)/(x-1)/(-1+2*x)/(8*x^5-43*x^4+53*x^3-23*x^2+4*x-1)$  lgdogf  
A048529 4.29888  $[-x*(3770*x^6-3377*x^4+100*x^3-360*x^2-100*x-24)/(x-1)/(x+1)/(10*x^2-1)$  ogf]  
A048573 15.0332  $[-(x+2)/(x+1)/(2*x-1)$  ogf]  
A048573 17.4411  $1/2/(2*x+1)*(-x-2+(4+8*x+9*x^2)^(1/2))$  revogf  
A048573 18.9360  $-(3+8*x+2*x^2)/(-1+2*x)/(x+2)/(x+1)$  lgdogf  
A048573 8.24995  $[{-a(n+2)+a(n+1)+2*a(n), a(0) = 2, a(1) = 3},$  ogf]  
A048575 16.7617  $[-(x-2)/(x^2-3*x+1)$  ogf]  
A048575 18.9950  $-1/2*(-2-3*x+(4+8*x+5*x^2)^(1/2))/(x+1)$  revogf  
A048575 24.6935  $-(5-4*x+x^2)/(x-2)/(x^2-3*x+1)$  lgdogf  
A048575 9.19848  $[{a(n+2)-3*a(n+1)+a(n), a(0) = 2, a(1) = 5},$  ogf]  
A048577 14.5888  $-(4-4*x+4*x^3-5*x^2+2*x^4)/(x-1)/(2*x^2+2*x-3)/(x^2+x-1)$  lgdogf  
A048577 15.6911  $[-(2*x^2+2*x-3)/(x-1)/(x^2+x-1)$  ogf]  
A048577 8.84711  $[{a(n+3)-2*a(n+2)+a(n), a(0) = 3, a(1) = 4, a(2) = 6},$  ogf]  
A048578 13.8589  $1/2*\ln(x+2)-\arctanh((4*x+9)^(1/2))-1/2*\ln(2)+\arctanh(3)$  revegff  
A048578 17.2494  $[-(4*x-3)/(2*x-1)/(x-1)$  ogf]  
A048578 20.0589  $-(5-12*x+8*x^2)/(x-1)/(4*x-3)/(-1+2*x)$  lgdogf  
A048578 9.46616  $[{a(n+2)-3*a(n+1)+2*a(n), a(0) = 3, a(1) = 5},$  ogf]  
A048580 16.5077  $[-(2*x-3)/(2*x^2-4*x+1)$  ogf]  
A048580 18.2454  $-1/4*(-3-4*x+(9+16*x+8*x^2)^(1/2))/(x+1)$  revogf  
A048580 19.2056  $-2*(5-6*x+2*x^2)/(2*x-3)/(2*x^2-4*x+1)$  lgdogf  
A048580 8.94996  $[{a(n+2)-4*a(n+1)+2*a(n), a(0) = 3, a(1) = 10},$  ogf]  
A048582 6.56984  $[-(2*x^6-x^5+3*x^4-2*x^2+3*x-4)/(x-1)/(x^6+2*x^4+x^3+2*x-1)$  ogf]  
A048584 14.4204  $-(7-8*x+6*x^3-7*x^2+4*x^4)/(x-1)/(4*x^2+3*x-5)/(x^2+x-1)$  lgdogf  
A048584 15.5112  $[-(4*x^2+3*x-5)/(x-1)/(x^2+x-1)$  ogf]  
A048584 8.65363  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 5, a(1) = 7, a(2) = 10},$  ogf]  
A048585 11.0674  $[-(5*x^3-x^2+5*x-6)/(x-1)/(x^3+x-1)$  ogf]  
A048585 11.1632  $-(7-10*x-2*x^5+5*x^6-14*x^3+6*x^2+11*x^4)/(x-1)/(5*x^3-x^2+5*x-6)/(x^3+x-1)$  lgdogf  
A048587 10.4814  $[-(4*x^3-5*x^2+8*x-6)/(x-1)/(x^3-x^2+2*x-1)$  ogf]  
A048587 9.21911  $-(10-26*x-10*x^5+4*x^6-32*x^3+33*x^2+22*x^4)/(x-1)/(4*x^3-5*x^2+8*x-6)/(x^3-x^2+2*x-1)$  lgdogf  
A048588 10.6102  $[-(6*x^3-x^2+6*x-7)/(x-1)/(x^3+x-1)$  ogf]  
A048588 10.6951  $-(8-12*x-2*x^5+6*x^6-16*x^3+7*x^2+13*x^4)/(x-1)/(6*x^3-x^2+6*x-7)/(x^3+x-1)$  lgdogf  
A048589 10.8996  $[-(6*x^3-x^2+5*x-7)/(x-1)/(x^3+x-1)$  ogf]  
A048589 10.9922  $-(9-12*x-2*x^5+6*x^6-14*x^3+6*x^2+10*x^4)/(x-1)/(6*x^3-x^2+5*x-7)/(x^3+x-1)$  lgdogf  
A048590 8.97834  $[(x^5-7*x^4+x^3+x^2-7*x+8)/(x-1)/(x^4+x-1)$  ogf]  
A048590 9.64637  $(9-14*x+8*x^5+x^6-2*x^7+6*x^8+8*x^2-13*x^4)/(x-1)/(x^4+x-1)/(x^5-7*x^4+x^3+x^2-7*x+8)$  lgdogf  
A048591 10.8964  $-(10-14*x-2*x^5+7*x^6-16*x^3+7*x^2+12*x^4)/(x-1)/(7*x^3-x^2+6*x-8)/(x^3+x-1)$  lgdogf  
A048591 10.9478  $[-(7*x^3-x^2+6*x-8)/(x-1)/(x^3+x-1)$  ogf]  
A048592 9.01880  $[(x^5-8*x^4+x^3+x^2-8*x+9)/(x-1)/(x^4+x-1)$  ogf]  
A048592 9.46785  $(10-16*x+10*x^5+x^6-2*x^7+7*x^8+9*x^2-15*x^4)/(x-1)/(x^4+x-1)/(x^5-8*x^4+x^3+x^2-8*x+9)$  lgdogf  
A048617 7.37647  $[{(n^2+4*n+4)*a(n+1)-a(n+2), a(0) = 2, a(1) = 2},$  ogf]  
A048624 4.80582  $[-(x+2)/(x^2+2*x-1)$  ogf]  
A048624 6.83906  $-(5+4*x+x^2)/(x+2)/(x^2+2*x-1)$  lgdogf  
A048625 15.7652  $[-(3*x^2+2*x+4)/(x^3+x-1)$  ogf]  
A048625 16.4140  $-(6+6*x+4*x^3+9*x^2+3*x^4)/(3*x^2+2*x+4)/(x^3+x-1)$  lgdogf

A048625 8.88886  $[ \{a(n+3)-a(n+2)-a(n), a(0) = 4, a(1) = 6, a(2) = 9\}, \text{ogf}]$   
A048626 15.5211  $[ -(4*x^2+3*x+6)/(x^3+x-1) \text{ogf}]$   
A048626 15.8405  $-(9+8*x+6*x^2+14*x^3+4*x^4)/(4*x^2+3*x+6)/(x^3+x-1) \text{lgdogf}$   
A048626 8.65916  $[ \{a(n+3)-a(n+2)-a(n), a(0) = 6, a(1) = 9, a(2) = 13\}, \text{ogf}]$   
A048635 7.91838  $-2*(-6+41*x+32*x^2+184*x^3-124*x^4-128*x^5)/(x-1)/(-1+2*x)/(2*x^2-x+1)/(8*x^2-16*x+7) \text{lgdogf}$   
A048635 8.94645  $[ 2*x*(8*x^2-16*x+7)/(2*x-1)/(x-1)/(2*x^2-x+1) \text{ogf}]$   
A048654 12.3808  $[ -(2*x+1)/(x^2+2*x-1) \text{ogf}]$   
A048654 13.9514  $1/2/(x+2)*(-2*x-1+(8*x^2+12*x+1)^(1/2)) \text{revogf}$   
A048654 17.0032  $-2*(2+x+x^2)/(2*x+1)/(x^2+2*x-1) \text{lgdogf}$   
A048654 6.79433  $[ \{a(n+2)-2*a(n+1)-a(n), a(0) = 1, a(1) = 4\}, \text{ogf}]$   
A048655 12.5980  $[ -(3*x+1)/(x^2+2*x-1) \text{ogf}]$   
A048655 14.2020  $1/2/(3+x)*(-2*x-1+(8*x^2+16*x+1)^(1/2)) \text{revogf}$   
A048655 16.2905  $-(5+2*x+3*x^2)/(3*x+1)/(x^2+2*x-1) \text{lgdogf}$   
A048655 6.91352  $[ \{a(n+2)-2*a(n+1)-a(n), a(0) = 1, a(1) = 5\}, \text{ogf}]$   
A048693 12.7428  $[ -(4*x+1)/(x^2+2*x-1) \text{ogf}]$   
A048693 14.3691  $1/2/(4+x)*(-2*x-1+(8*x^2+20*x+1)^(1/2)) \text{revogf}$   
A048693 16.4822  $-2*(3+x+2*x^2)/(4*x+1)/(x^2+2*x-1) \text{lgdogf}$   
A048693 6.99300  $[ \{a(n+2)-2*a(n+1)-a(n), a(0) = 1, a(1) = 6\}, \text{ogf}]$   
A048694 12.8152  $[ -(5*x+1)/(x^2+2*x-1) \text{ogf}]$   
A048694 14.4526  $1/2/(5+x)*(-2*x-1+(8*x^2+24*x+1)^(1/2)) \text{revogf}$   
A048694 16.5780  $-(7+2*x+5*x^2)/(5*x+1)/(x^2+2*x-1) \text{lgdogf}$   
A048694 7.03273  $[ \{a(n+2)-2*a(n+1)-a(n), a(0) = 1, a(1) = 7\}, \text{ogf}]$   
A048695 12.9600  $[ -(6*x+1)/(x^2+2*x-1) \text{ogf}]$   
A048695 14.6197  $1/2/(6+x)*(-2*x-1+(8*x^2+28*x+1)^(1/2)) \text{revogf}$   
A048695 16.7696  $-2*(4+x+3*x^2)/(6*x+1)/(x^2+2*x-1) \text{lgdogf}$   
A048695 7.11220  $[ \{a(n+2)-2*a(n+1)-a(n), a(0) = 1, a(1) = 8\}, \text{ogf}]$   
A048696 15.1060  $[ -(7*x+1)/(x^2+2*x-1) \text{ogf}]$   
A048696 17.0882  $1/2/(7+x)*(-2*x-1+(8*x^2+32*x+1)^(1/2)) \text{revogf}$   
A048696 19.6012  $-(9+2*x+7*x^2)/(7*x+1)/(x^2+2*x-1) \text{lgdogf}$   
A048696 8.28987  $[ \{a(n+2)-2*a(n+1)-a(n), a(0) = 1, a(1) = 9\}, \text{ogf}]$   
A048697 12.1602  $[ -(8*x+1)/(x^2+2*x-1) \text{ogf}]$   
A048697 13.7009  $1/2/(8+x)*(-2*x-1+(8*x^2+36*x+1)^(1/2)) \text{revogf}$   
A048697 15.7157  $-2*(5+x+4*x^2)/(8*x+1)/(x^2+2*x-1) \text{lgdogf}$   
A048697 6.59289  $[ \{a(n+2)-2*a(n+1)-a(n), a(0) = 1, a(1) = 10\}, \text{ogf}]$   
A048736 8.12355  $[ -(2*x^8+3*x^7+5*x^6-7*x^5-8*x^4-9*x^3+x^2+x+1)/(x-1)/(x^2+x+1)/(x^6-9*x^3+1) \text{ogf}]$   
A048739 16.9186  $[ 1/(x-1)/(x^2+2*x-1) \text{ogf}]$   
A048739 20.6120  $-(-3+2*x+3*x^2)/(x-1)/(x^2+2*x-1) \text{lgdogf}$   
A048739 6.19343  $[ \{-a(n+3)+3*a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 8\}, \text{ogf}]$   
A048745 14.5674  $[ (2*x+1)/(x-1)/(x^2+2*x-1) \text{ogf}]$   
A048745 16.1376  $-(-5+2*x+4*x^3+5*x^2)/(x-1)/(2*x+1)/(x^2+2*x-1) \text{lgdogf}$   
A048745 6.83250  $[ \{a(n+3)-3*a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 14\}, \text{ogf}]$   
A048746 11.0652  $[ (3*x+1)/(x-1)/(x^2+2*x-1) \text{ogf}]$   
A048746 12.2005  $-2*(-3+x+3*x^3+3*x^2)/(x-1)/(3*x+1)/(x^2+2*x-1) \text{lgdogf}$   
A048746 5.18989  $[ \{a(n+3)-3*a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 6, a(2) = 17\}, \text{ogf}]$   
A048755 14.8883  $[ (4*x+1)/(x-1)/(x^2+2*x-1) \text{ogf}]$   
A048755 16.4994  $-(-7+2*x+8*x^3+7*x^2)/(x-1)/(4*x+1)/(x^2+2*x-1) \text{lgdogf}$   
A048755 6.98299  $[ \{a(n+3)-3*a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 7, a(2) = 20\}, \text{ogf}]$   
A048759 8.62968  $[ -2*(2*x^5+x^4-6*x^3-3*x^2+6*x+6)/(x-1)^3/(x+1)^3 \text{ogf}]$   
A048759 9.85271  $-2*(3+15*x+x^5+x^6-4*x^3+6*x^2-4*x^4)/(x-1)/(x+1)/(2*x^5+x^4-6*x^3-3*x^2+6*x+6) \text{lgdogf}$   
A048764 14.5224  $2*(-1+8*x^5-207*x^22+198*x^23-10*x^4)/(x-1)/(18*x^23+4*x^5+x+1) \text{lgdogf}$   
A048764 16.9516  $[ -(18*x^23+4*x^5+x+1)/(x-1) \text{ogf}]$   
A048765 11.0317  $2*(-1-4*x-54*x^5+45*x^6+2*x^2-1152*x^23+1104*x^24)/(x-1)/(96*x^24+18*x^6+4*x^2+x+1) \text{lgdogf}$

A048765 14.5657 [  $-(96*x^{24}+18*x^6+4*x^2+x+1)/(x-1)$  ogf]  
A048770 12.1262 [  $(5*x+1)/(x-1)/(x^2+2*x-1)$  ogf]  
A048770 13.3937  $-2*(-4+x+5*x^3+4*x^2)/(x-1)/(5*x+1)/(x^2+2*x-1)$  lgdogf  
A048770 5.68751 [  $\{a(n+3)-3*a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 8, a(2) = 23\}$ ,  
ogf]  
A048771 14.1045 [  $(6*x+1)/(x-1)/(x^2+2*x-1)$  ogf]  
A048771 15.2932  $-(-9+2*x+12*x^3+9*x^2)/(x-1)/(6*x+1)/(x^2+2*x-1)$  lgdogf  
A048771 6.61541 [  $\{a(n+3)-3*a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 9, a(2) = 26\}$ ,  
ogf]  
A048772 4.18065 [  $\{a(n+3)-3*a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 10, a(2) = 29\}$ ,  
ogf]  
A048772 8.99234 [  $(7*x+1)/(x-1)/(x^2+2*x-1)$  ogf]  
A048772 9.87346  $-2*(-5+x+7*x^3+5*x^2)/(x-1)/(7*x+1)/(x^2+2*x-1)$  lgdogf  
A048773 14.2951 [  $(8*x+1)/(x-1)/(x^2+2*x-1)$  ogf]  
A048773 14.8835  $-(-11+2*x+16*x^3+11*x^2)/(x-1)/(8*x+1)/(x^2+2*x-1)$  lgdogf  
A048773 6.64598 [  $\{a(n+3)-3*a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 11, a(2) = 32\}$ ,  
ogf]  
A048776 20.7749 [  $-1/(x^2+2*x-1)/(x-1)^2$  ogf]  
A048776 24.3570  $-4*(-1+x+x^2)/(x-1)/(x^2+2*x-1)$  lgdogf  
A048776 3.86267 [  $\{(n+4)*a(n+4)+(-13-3*n)*a(n+3)+(6+n)*a(n+2)+(5+n)*a(n+1), a(0)$   
 $= 1, a(1) = 4, a(2) = 12, a(3) = 32\}$ , ogf]  
A048777 14.7599 [  $-(x+1)/(x^2+2*x-1)/(x-1)^2$  ogf]  
A048777 3.91138 [  $\{(-2*n-9)*a(n+1)+(-2*n-11)*a(n+2)+(6*n+23)*a(n+3)+(-2*n-7)*a(n$   
 $+4), a(0) = 1, a(1) = 5, a(2) = 16, a(3) = 44\}$ , ogf]  
A048777 9.06705  $-(-5+3*x+3*x^3+7*x^2)/(x-1)/(x+1)/(x^2+2*x-1)$  lgdogf  
A048778 16.0037 [  $-(2*x+1)/(x^2+2*x-1)/(x-1)^2$  ogf]  
A048778 17.7545  $-2*(-3+x+3*x^3+5*x^2)/(x-1)/(2*x+1)/(x^2+2*x-1)$  lgdogf  
A048778 4.19899 [  $\{(3*n+13)*a(n+1)+(3*n+16)*a(n+2)+(-9*n-33)*a(n+3)+(3*n+10)*a(n$   
 $+4), a(0) = 1, a(1) = 6, a(2) = 20, a(3) = 56\}$ , ogf]  
A048779 33.2077  $-x*(x-1)*(2*x^2-2*x+1)$  revogf  
A048779 7.07725 [  $\{(-8*n-14)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 3\}$ , ogf]  
A048788 11.8509 [  $-x*(x^2-2*x-1)/(x^4-4*x^2+1)$  ogf]  
A048788 12.2815  $-2*(x+1)*(x^4-4*x^3+2*x^2+2*x+1)/(x^2-2*x-1)/(x^4-4*x^2+1)$   
lgdogf  
A048840 13.2111  $2*(1+x+x^5-2*x^3+4*x^2-2*x^4)/(x-1)/(x^5+x^4-2*x^3-2*x^2+x-1)$   
lgdogf  
A048840 9.66499 [  $(x^5+x^4-2*x^3-2*x^2+x-1)/(x-1)^3$  ogf]  
A048875 16.6666 [  $-(2*x+1)/(x^2+4*x-1)$  ogf]  
A048875 18.4281  $1/2/(x+2)*(-4*x-1+(20*x^2+16*x+1)^{1/2})$  revogf  
A048875 23.0351  $-2*(3+x+x^2)/(2*x+1)/(x^2+4*x-1)$  lgdogf  
A048875 9.14633 [  $\{a(n+2)-4*a(n+1)-a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A048876 13.9870  $1/2/(3+x)*(-4*x-1+(20*x^2+20*x+1)^{1/2})$  revogf  
A048876 16.4552  $-(7+2*x+3*x^2)/(3*x+1)/(x^2+4*x-1)$  lgdogf  
A048876 16.7382 [  $-(3*x+1)/(x^2+4*x-1)$  ogf]  
A048876 9.18559 [  $\{a(n+2)-4*a(n+1)-a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A048877 11.6368 [  $-(4*x+1)/(x^2+4*x-1)$  ogf]  
A048877 12.7870  $1/2/(4+x)*(-4*x-1+(20*x^2+24*x+1)^{1/2})$  revogf  
A048877 15.0435  $-2*(4+x+2*x^2)/(4*x+1)/(x^2+4*x-1)$  lgdogf  
A048877 6.38606 [  $\{a(n+2)-4*a(n+1)-a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A048878 12.8450 [  $-(5*x+1)/(x^2+4*x-1)$  ogf]  
A048878 14.1415  $1/2/(5+x)*(-4*x-1+(20*x^2+28*x+1)^{1/2})$  revogf  
A048878 16.6371  $-(-9+2*x+5*x^2)/(5*x+1)/(x^2+4*x-1)$  lgdogf  
A048878 7.04907 [  $\{a(n+2)-4*a(n+1)-a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A048879 15.6784 [  $-(6*x+1)/(x^2+4*x-1)$  ogf]  
A048879 17.3204  $1/2/(6+x)*(-4*x-1+(20*x^2+32*x+1)^{1/2})$  revogf  
A048879 20.3769  $-2*(5+x+3*x^2)/(6*x+1)/(x^2+4*x-1)$  lgdogf  
A048879 8.50033 [  $\{a(n+2)-4*a(n+1)-a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A048900 4.06519 [  $\{a(n+3)-3843*a(n+2)+3843*a(n+1)-a(n), a(0) = 1, a(1) = 4347,$   
 $a(2) = 16701685\}$ , ogf]  
A048900 7.54122 [  $-(7*x^2+504*x+1)/(x-1)/(x^2-3842*x+1)$  ogf]  
A048901 3.74773 [  $\{a(n+3)-323*a(n+2)+323*a(n+1)-a(n), a(0) = 1, a(1) = 247, a(2)$

= 79453}, ogf]  
 A048901 6.92762 [ (5\*x^2+76\*x-1)/(x^2-322\*x+1)/(x-1) ogf]  
 A048902 3.74773 [-a(n+3)+323\*a(n+2)-323\*a(n+1)+a(n), a(0) = 1, a(1) = 221, a(2) = 71065}, ogf]  
 A048902 6.82422 [ -(5\*x^2-102\*x+1)/(x^2-322\*x+1)/(x-1) ogf]  
 A048904 3.97989 [{a(n+3)-483\*a(n+2)+483\*a(n+1)-a(n), a(0) = 1, a(1) = 345, a(2) = 166145}, ogf]  
 A048904 7.30637 [ (7\*x^2+138\*x-1)/(x-1)/(x^2-482\*x+1) ogf]  
 A048905 3.95969 [-a(n+3)+483\*a(n+2)-483\*a(n+1)+a(n), a(0) = 1, a(1) = 315, a(2) = 151669}, ogf]  
 A048905 7.26928 [ -(7\*x^2-168\*x+1)/(x-1)/(x^2-482\*x+1) ogf]  
 A048907 10.9832 [ -(x^2-7\*x+1)/(x-1)/(x^2-16\*x+1) ogf]  
 A048907 5.91404 [-a(n+3)+17\*a(n+2)-17\*a(n+1)+a(n), a(0) = 1, a(1) = 10, a(2) = 154}, ogf]  
 A048907 8.78295 -(10-32\*x-14\*x^3+105\*x^2+x^4)/(x-1)/(x^2-16\*x+1)/(x^2-7\*x+1) lgdogf  
 A048908 11.3104 [ (2\*x^2-8\*x-1)/(x-1)/(x^2-16\*x+1) ogf]  
 A048908 6.09021 [-a(n+3)+17\*a(n+2)-17\*a(n+1)+a(n), a(0) = 1, a(1) = 25, a(2) = 406}, ogf]  
 A048908 7.45134 -(-25+38\*x-16\*x^3+99\*x^2+2\*x^4)/(x-1)/(x^2-16\*x+1)/(2\*x^2-8\*x-1) lgdogf  
 A048909 5.27812 [{a(n+3)-255\*a(n+2)+255\*a(n+1)-a(n), a(0) = 1, a(1) = 325, a(2) = 82621}, ogf]  
 A048909 9.75653 [ -(x^2+70\*x+1)/(x-1)/(x^2-254\*x+1) ogf]  
 A048910 5.68101 -(2+32\*x-28\*x^5-13\*x^6+2\*x^7+x^8-62\*x^3-43\*x^2+389\*x^4)/(x-1)/(x^4+x^3-14\*x^2+x+1)/(x^4-30\*x^2+1) lgdogf  
 A048910 7.84581 [ -(x^4+x^3-14\*x^2+x+1)/(x-1)/(x^4-30\*x^2+1) ogf]  
 A048911 11.4602 [ (x+1)^3/(x^4-30\*x^2+1) ogf]  
 A048911 11.4804 -(-3-60\*x+4\*x^3+30\*x^2+x^4)/(x+1)/(x^4-30\*x^2+1) lgdogf  
 A048913 5.86744 [ -(26\*x^4+563\*x^3-4923\*x^2+13\*x+1)/(x-1)/(x^2-110\*x+1)/(x^2+110\*x+1) ogf]  
 A048914 5.91759 [ (39\*x^4+860\*x^3+1138\*x^2-20\*x-1)/(x-1)/(x^2-110\*x+1)/(x^2+110\*x+1) ogf]  
 A048916 3.88550 [ -(154\*x^4+2295\*x^3-25499\*x^2+9\*x+1)/(x-1)/(x^2-254\*x+1)/(x^2+254\*x+1) ogf]  
 A048917 3.85050 [ (203\*x^4+3036\*x^3+12902\*x^2-12\*x-1)/(x-1)/(x^2-254\*x+1)/(x^2+254\*x+1) ogf]  
 A048919 3.32690 [-a(n+3)+143\*a(n+2)-143\*a(n+1)+a(n), a(0) = 1, a(1) = 88, a(2) = 12445}, ogf]  
 A048919 6.09932 [ -(4\*x^2-55\*x+1)/(x-1)/(x^2-142\*x+1) ogf]  
 A048920 3.32000 [{a(n+3)-143\*a(n+2)+143\*a(n+1)-a(n), a(0) = 1, a(1) = 104, a(2) = 14725}, ogf]  
 A048920 6.13697 [ (4\*x^2+39\*x-1)/(x-1)/(x^2-142\*x+1) ogf]  
 A048922 3.39215 [-a(n+3)+675\*a(n+2)-675\*a(n+1)+a(n), a(0) = 1, a(1) = 425, a(2) = 286209}, ogf]  
 A048922 6.22739 [ -(9\*x^2-250\*x+1)/(x-1)/(x^2-674\*x+1) ogf]  
 A048923 3.39215 [{a(n+3)-675\*a(n+2)+675\*a(n+1)-a(n), a(0) = 1, a(1) = 459, a(2) = 309141}, ogf]  
 A048923 6.22739 [ (9\*x^2+216\*x-1)/(x-1)/(x^2-674\*x+1) ogf]  
 A048964 5.45831 [ -(x^23-x^22-x^13+x^12+x^10-2\*x^9-x^8-x^7-2\*x^6-x^5-x^4-x^3-2\*x^2-x-2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
 A048965 15.1660 x\*(3\*x+1)\*(13\*x^2+6\*x+1)/(5\*x+1)^4 revogf  
 A048990 18.3072 -2+(1-16\*x)\*f(x)+(2\*x-32\*x^2)\*f(x)^2 lgdogf  
 A048990 5.41165 [{(-32\*n^2-96\*n-70)\*a(n+1)+(2\*n^2+9\*n+10)\*a(n+2), a(0) = 1, a(1) = 2}, ogf]  
 A049004 6.96414 [ -(4\*x^11+14\*x^10+15\*x^9+19\*x^8+x^7+10\*x^6+10\*x^5+13\*x^4+x^3+13\*x^2+6\*x+10)/(x^4-x^2+1)/(x^2-x+1)/(x^2+x+1)/(x-1)/(x+1)/(x^2+1) ogf]  
 A049005 12.2382 [ -(8\*x^6+6\*x^5+8\*x^4+9\*x^3+7\*x^2+6\*x+6)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1) ogf]  
 A049008 9.18359 (4+2\*x-6\*x^5+x^6-3\*x^7+2\*x^8-3\*x^3+9\*x^2+6\*x^4)/(x-1)/(x^2+x+1)/

$(x^6-2x^5+3x^4-x^3+x^2-3x-1)$  lgdogf  
A049008 9.56502 [  $-(x^6-2x^5+3x^4-x^3+x^2-3x-1)/(x^2+x+1)/(x-1)^2$  ogf]  
A049013 5.08489 [  $-(3x-5)/(x-1)^2$  ogf]  
A049013 9.39597  $-( -7+3x)/(x-1)/(3x-5)$  lgdogf  
A049016 11.3716  $-5*(1-4x-4x^3+6x^2+2x^4)/(-1+2x)/(x^4-2x^3+4x^2-3x+1)$  lgdogf  
A049016 12.8619 [  $-1/(2x-1)/(x^4-2x^3+4x^2-3x+1)$  ogf]  
A049017 11.5912 [  $-1/(2x-1)/(x^6-3x^5+9x^4-13x^3+11x^2-5x+1)$  ogf]  
A049017 7.93613  $-7*(2x^2-2x+1)*(x^4-2x^3+5x^2-4x+1)/(-1+2x)/(x^6-3x^5+9x^4-13x^3+11x^2-5x+1)$  lgdogf  
A049018 10.4076 [  $1/(7x^6+21x^5+35x^4+35x^3+21x^2+7x+1)$  ogf]  
A049018 9.44347  $-7*(2x+1)*(x^2+x+1)*(3x^2+3x+1)/(21x^2+1+7x+35x^4+35x^3+7x^6+21x^5)$  lgdogf  
A049027 16.2162  $1/2/(9x-2)*(1+3*(1-4x)^{1/2})/(4x-1)$  lgdogf  
A049031 3.82697 [  $-2x^2*(x^8+2x^7+3x^6+4x^5+7x^4+4x^3+3x^2+2x+1)/(x^2+1)^3/(x+1)^3/(x-1)^5$  ogf]  
A049032 3.70872 [  $-x^2*(x^8+2x^7+3x^6+4x^5+7x^4+4x^3+3x^2+2x+1)/(x^2+1)^3/(x+1)^3/(x-1)^5$  ogf]  
A049071 15.7753 [  $x*(2x-3)/(x-1)/(x+1)$  ogf]  
A049071 24.7898  $1/2/(-2+x)*(-3+(9-8x+4x^2)^{1/2})$  revogf  
A049071 25.5189  $-2*(1-3x+x^2)/(x-1)/(2x-3)/(x+1)$  lgdogf  
A049071 8.55288 [  $\{a(n+3)-a(n+1), a(0) = 0, a(1) = 3, a(2) = -2\}$ , ogf]  
A049072 21.8267 [  $1/(4x^2-3x+1)$  ogf]  
A049072 33.1408  $-(-3+8x)/(4x^2+1-3x)$  lgdogf  
A049072 8.78391 [  $\{-a(n+2)+3a(n+1)-4a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A049086 10.0747 [  $-(x-1)^2/(x^3-3x^2+5x-1)$  ogf]  
A049086 15.8425  $-(x-3)*(1+x^2)/(x-1)/(x^3-3x^2+5x-1)$  lgdogf  
A049086 5.43855 [  $\{a(n+3)-5a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 13\}$ , ogf]  
A049110 7.64759 [  $-2*(x^{46}+3x^{45}+x^{40}+3x^{39}+2x^{26}-2x^{25}-x-3)/(x-1)/(x^{45}+x^{39}-1)$  ogf]  
A049112 7.28746  $-(1+2x+20x^5-3x^6-2x^7+x^8-8x^3+x^2-9x^4)/(x-1)/(x^4+x^3+x^2+x-1)/(2x^5+x^4-x^3-x^2+x-1)$  lgdogf  
A049112 9.17266 [  $-(2x^5+x^4-x^3-x^2+x-1)/(x-1)/(x^4+x^3+x^2+x-1)$  ogf]  
A049114 7.16023  $-(1+6x-8x^5+7x^6-2x^7+x^8+16x^3-19x^2-3x^4)/(x-1)/(x^4-x^3+x^2-x+1)/(x^4+x^3-3x^2-x+1)$  lgdogf  
A049114 8.07998 [  $-(x^4-x^3+x^2-x+1)/(x-1)/(x^4+x^3-3x^2-x+1)$  ogf]  
A049118 10.1679  $8-18x+(-6+24x-24x^2)*f(x)+(12x^2+1-6x-8x^3)*f(x)^2$  lgdegf  
A049119 7.62173  $(-9n-21)*a(n+1)+(6n+16)*a(n+2)+(-n-3)*a(n+3), a(0)=5, a(1)=16, a(2)=50$  lgdegf  
A049120 10.0139  $-(5*(4x-1)^{5/4}+4*(-1)^{1/4}*x-(-1)^{1/4})/(4x-1)^{9/4}$  lgdegf  
A049122 10.7262  $-(2x+1+x*(1+2x+5x^2)^{1/2})-(1+2x+5x^2)^{1/2})/(1+2x+5x^2)^{1/2}/(x-2)/x$  lgdogf  
A049122 3.96996 [  $\{(-5n-10)*a(n+1)+(8n+13)*a(n+2)+(3n+9)*a(n+3)+(2n+10)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 0\}$ , ogf]  
A049122 39.8403  $x*(2x+1)/(1+3x+x^2)$  revogf  
A049123 22.3641  $-x*(1-3x+x^2)/(-1+2x+x^2)$  revogf  
A049124 26.0193  $x*(-1+x+x^2)/(x-1)/(1+x)$  revogf  
A049125 31.7352  $-x*(-1-x+x^2)/(1+x)^2$  revogf  
A049126 22.5995  $x*(3x-1)*(x-1)/(1-3x+x^3)$  revogf  
A049127 19.2733  $x*(-1+2x+x^2)/(-1+x+2x^2+x^3)$  revogf  
A049128 32.1888  $x*(x-1)^2/(1-x+x^3)$  revogf  
A049129 21.6442  $x*(-1+3x^2)/(-1-x+2x^2+x^3)$  revogf  
A049130 35.4846  $x*(x-1)*(1+x)/(-1-x+x^3)$  revogf  
A049131 19.3873  $-x*(-1-2x+x^2)/(1+3x+2x^2+x^3)$  revogf  
A049132 23.3274  $x*(-1+3x^2)/(-1-x+4x^2+x^3)$  revogf  
A049133 35.5972  $-x*(x-1)^2/(-1+x+x^3)$  revogf  
A049134 15.0376  $-x*(-1+5x-6x^2+x^3)/(1-4x+2x^2+2x^3)$  revogf  
A049135 20.6025  $x*(-1+3x-2x^2+x^3)/(-1+2x)$  revogf  
A049136 21.0409  $-x*(1-3x+x^3)/(-1+2x+2x^2)$  revogf

A049137 17.1615  $-x^*(1-x-4x^2+x^3)/(-1+4x^2+2x^3)$  revogf  
A049138 18.4354  $x^*(1-3x+2x^2+x^3)/(1-2x+2x^3)$  revogf  
A049139 21.6442  $-x^*(1-x-2x^2+x^3)/(-1+2x^2)$  revogf  
A049140 47.5404  $-x^*(-1+x+x^3)$  revogf  
A049141 16.0119  $x^*(-1-x+4x^2+x^3)/(-1-2x+2x^2+2x^3)$  revogf  
A049142 23.1047  $-x^*(-1+x-2x^2+x^3)/(1+2x^2)$  revogf  
A049143 18.1742  $-x^*(1-x-2x^2+x^3)/(-1+2x^2+2x^3)$  revogf  
A049144 25.3247  $x^*(1-2x^2+x^3+x)/(2x+1)$  revogf  
A049145 24.6830  $-x^*(-1-x+x^3)/(1+2x+2x^2)$  revogf  
A049146 18.3747  $-x^*(-1+x^3-3x)/(1+4x+4x^2+2x^3)$  revogf  
A049147 22.8744  $-x^*(1-x-4x^2+x^3)/(-1+6x^2)$  revogf  
A049148 17.9308  $x^*(-1-x+2x^2+x^3)/(-1-2x+2x^2+2x^3)$  revogf  
A049150 24.1584  $x^*(-1+2x-2x^2+2x^3)/(x-1)$  revogf  
A049151 21.5653  $x^*(-1+2x-2x^3+2x^4)/(x-1)$  revogf  
A049152 20.7166  $x^*(-1-2x^4+2x+2x^5)/(x-1)$  revogf  
A049153 15.7421  $x^*(-1+2x-2x^2+2x^3-2x^4+2x^5)/(x-1)$  revogf  
A049154 20.8843  $x^*(-1+2x-2x^3+2x^5)/(x-1)$  revogf  
A049155 20.7166  $x^*(-1+2x+2x^6-2x^5)/(x-1)$  revogf  
A049156 16.0779  $x^*(-1+2x-2x^2+2x^3-2x^5+2x^6)/(x-1)$  revogf  
A049157 14.9368  $x^*(-1-2x^3+2x^4+2x+2x^6-2x^5)/(x-1)$  revogf  
A049158 22.5869  $x^*(-1+2x-2x^4+2x^6)/(x-1)$  revogf  
A049159 22.5322  $x^*(-1+2x-2x^3+2x^6)/(x-1)$  revogf  
A049160 20.9406  $x^*(-1+2x-2x^6+2x^7)/(x-1)$  revogf  
A049161 16.7443  $x^*(-1-2x^2+2x^3+2x-2x^6+2x^7)/(x-1)$  revogf  
A049162 15.0163  $x^*(-1+2x-2x^3+2x^4-2x^6+2x^7)/(x-1)$  revogf  
A049163 15.8902  $x^*(-1-2x^4+2x-2x^6+2x^7+2x^5)/(x-1)$  revogf  
A049164 11.7080  $x^*(-1+2x-2x^2+2x^3-2x^4+2x^5-2x^6+2x^7)/(x-1)$  revogf  
A049165 14.6190  $x^*(-1-2x^3+2x-2x^6+2x^7+2x^5)/(x-1)$  revogf  
A049166 20.7166  $x^*(-1+2x-2x^5+2x^7)/(x-1)$  revogf  
A049167 15.6613  $x^*(-1-2x^2+2x^3+2x+2x^7-2x^5)/(x-1)$  revogf  
A049168 14.9368  $x^*(-1-2x^3+2x^4+2x^7+2x-2x^5)/(x-1)$  revogf  
A049169 22.5869  $x^*(-1+2x-2x^4+2x^7)/(x-1)$  revogf  
A049170 22.4172  $x^*(-1+2x-2x^3+2x^7)/(x-1)$  revogf  
A049171 37.8968  $-x^*(-1+2x^2)/(1+x)$  revogf  
A049172 18.7118  $-x^*(-1+2x^2+2x^3+2x^4)/(1+x)$  revogf  
A049173 33.1466  $-x^*(-1+2x^4)/(1+x)$  revogf  
A049174 21.7552  $x^*(1-2x^2+2x^4+2x^5)/(1+x)$  revogf  
A049175 21.8080  $x^*(1-2x^2-2x^3+2x^5)/(1+x)$  revogf  
A049176 19.4784  $-x^*(-1+2x^2+2x^6+2x^5)/(1+x)$  revogf  
A049177 13.6357  $-x^*(-1+2x^2+2x^3+2x^4+2x^6+2x^5)/(1+x)$  revogf  
A049178 21.7130  $-x^*(-1+2x^4+2x^6+2x^5)/(1+x)$  revogf  
A049179 18.8633  $-x^*(-1+2x^2-2x^4+2x^6)/(1+x)$  revogf  
A049180 20.5035  $-x^*(-1+2x^2+2x^3+2x^6)/(1+x)$  revogf  
A049181 33.6540  $-x^*(-1+2x^6)/(1+x)$  revogf  
A049182 20.6025  $x^*(1-2x^2+2x^7+2x^6)/(1+x)$  revogf  
A049183 14.1479  $x^*(1-2x^2-2x^3-2x^4+2x^7+2x^6)/(1+x)$  revogf  
A049184 15.4252  $x^*(1-2x^2-2x^3+2x^5+2x^6+2x^7)/(1+x)$  revogf  
A049185 20.7121  $x^*(1-2x^2-2x^5+2x^7)/(1+x)$  revogf  
A049186 14.3009  $x^*(1-2x^2-2x^3-2x^4+2x^7-2x^5)/(1+x)$  revogf  
A049187 22.8658  $x^*(1-2x^4+2x^7-2x^5)/(1+x)$  revogf  
A049188 20.1642  $x^*(1-2x^2+2x^4+2x^7)/(1+x)$  revogf  
A049189 21.9176  $x^*(1-2x^2-2x^3+2x^7)/(1+x)$  revogf  
A049194 8.34190  $-(2+2x+2x^5+3x^6-2x^7+x^8-6x^3+4x^2-8x^4)/(x-1)/(x+1)/(x^3+x-1)/(x^5+x^4-x^3-x-1)$  lgdogf  
A049194 9.72523 [  $-(x^5+x^4-x^3-x-1)/(x-1)/(x+1)/(x^3+x-1)$  ogf ]  
A049206 11.0869 [  $-x^*(x^3-2x^2+x-1)/(x^2+1)/(x-1)^2$  ogf ]  
A049206 15.0014  $-(-1-x+x^5+2x^3-2x^2-3x^4)/(x-1)/(1+x^2)/(x^3-2x^2+x-1)$  lgdogf  
A049206 5.57788 [ {  $a(n+5)-2a(n+4)+2a(n+3)-2a(n+2)+a(n+1)$ ,  $a(0) = 0$ ,  $a(1) = 1$ ,  $a(2) = 1$ ,  $a(3) = 2$ ,  $a(4) = 3$  }, ogf ]  
A049209 10.3508  $1/7*x^*(7-21*x+35*x^2-35*x^3+21*x^4-7*x^5+x^6)$  revogf

A049209 31.0523  $-6+(1-7*x)*f(x)$  lgdegf  
A049209 5.35525  $[ \{ (-7*n-13)*a(n+1)+a(n+2), a(0) = 1, a(1) = 6 \}, \text{ogf} ]$   
A049210 10.1552  $-1/8*x*(x-2)*(x^2-2*x+2)*(x^4-4*x^3+6*x^2-4*x+2)$  revegfg  
A049210 32.4966  $-7+(1-8*x)*f(x)$  lgdegf  
A049210 5.59866  $[ \{ (-8*n-15)*a(n+1)+a(n+2), a(0) = 1, a(1) = 7 \}, \text{ogf} ]$   
A049211 10.1164  $64+(-16+144*x)*f(x)+(81*x^2+1-18*x)*f(x)^2$  lgdegf  
A049212 26.8854  $-9+(1-10*x)*f(x)$  lgdegf  
A049212 4.89692  $[ \{ (-10*n-19)*a(n+1)+a(n+2), a(0) = 1, a(1) = 9 \}, \text{ogf} ]$   
A049212 6.82804  $-1/10*x*(x-2)*(x^4-3*x^3+4*x^2-2*x+1)*(x^4-5*x^3+10*x^2-10*x+5)$  revegfg  
A049219 11.5514  $(-1+3*x+6*x^3-6*x^2)/(x-1)/(-1+2*x)/(4*x^3-7*x^2+5*x-1)$  lgdogf  
A049219 4.87490  $[ \{-a(n+4)+5*a(n+3)-7*a(n+2)+4*a(n+1), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 10\}, \text{ogf} ]$   
A049219 9.39655  $[ (2*x-1)*(x-1)^2/(4*x^3-7*x^2+5*x-1)$  ogf]  
A049220 13.1147  $-(-3+9*x+4*x^3-12*x^2)/(x-1)/(4*x^3-7*x^2+5*x-1)$  lgdogf  
A049220 4.74699  $[ \{ a(n+3)-5*a(n+2)+7*a(n+1)-4*a(n), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3, a(4) = 9 \}, \text{ogf} ]$   
A049220 9.21880  $[ -x^2*(x-1)^2/(4*x^3-7*x^2+5*x-1)$  ogf]  
A049221 4.57756  $[ \{ a(n+5)-5*a(n+4)+7*a(n+3)-4*a(n+2), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 4, a(4) = 14 \}, \text{ogf} ]$   
A049221 8.56062  $[ -(x^2-3*x+1)*(x-1)^2/(4*x^3-7*x^2+5*x-1)$  ogf]  
A049221 9.83758  $2*x*(-1+2*x)*(x^3-2*x^2+x-1)/(x-1)/(x^2-3*x+1)/(4*x^3-7*x^2+5*x-1)$  lgdogf  
A049222 10.9252  $[ x^3*(x-1)/(4*x^3-7*x^2+5*x-1)$  ogf]  
A049222 13.5328  $-(-4+14*x+8*x^3-19*x^2)/(x-1)/(4*x^3-7*x^2+5*x-1)$  lgdogf  
A049222 4.72652  $[ \{-a(n+5)+5*a(n+4)-7*a(n+3)+4*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1, a(4) = 4\}, \text{ogf} ]$   
A049293 7.30685  $-(-17-188*x-1296*x^3+761*x^2+756*x^4)/(x-1)/(6*x-1)/(3*x-1)/(7*x-2)/(-1+2*x)$  lgdogf  
A049293 7.48788  $[ -2*x^2*(7*x-2)/(x-1)/(6*x-1)/(3*x-1)/(2*x-1)$  ogf]  
A049294 10.1310  $-(-13-40*x+96*x^3-44*x^2)/(x-1)/(6*x-1)/(-1+2*x)/(4*x+1)$  lgdogf  
A049294 10.3489  $[ -(4*x+1)/(x-1)/(6*x-1)/(2*x-1)$  ogf]  
A049294 4.90680  $[ \{ a(n+3)-9*a(n+2)+20*a(n+1)-12*a(n), a(0) = 1, a(1) = 13, a(2) = 97 \}, \text{ogf} ]$   
A049295 6.27750  $[ (264*x^3+116*x^2-34*x-1)/(x-1)/(6*x-1)/(24*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A049308 27.4340  $1/3*x*(3-6*x+4*x^2)$  revegfg  
A049308 5.98131  $[ \{ (-6*n-10)*a(n+1)+a(n+2), a(0) = 1, a(1) = 4 \}, \text{ogf} ]$   
A049308 52.1247  $-4/(6*x-1)$  lgdegf  
A049332 12.3429  $[ -(5*x^2-2)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A049332 13.5232  $-2*(2-3*x-x^2+5*x^4)/(x-1)/(-1+2*x)/(x+1)/(5*x^2-2)$  lgdogf  
A049332 6.28165  $[ \{ a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 2, a(1) = 4, a(2) = 5 \}, \text{ogf} ]$   
A049341 12.0348  $[ -3*(x^7+3*x^6+x^5+2*x^4+2*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A049342 9.62540  $[ -(x^7+3*x^6+x^5+2*x^4+2*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A049347 20.8628  $[ 1/(x^2+x+1)$  ogf]  
A049347 27.4705  $[ [x^2-1]$  ogf\_with\_Euler\_transform]  
A049347 52.2478  $-(2*x+1)/(x^2+1+x)$  lgdogf  
A049347 8.39599  $[ \{-a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = -1\}, \text{ogf} ]$   
A049348 10.2657  $-(-4+12*x+18*x^3+15*x^2+9*x^4)/(3*x^2+3*x+1)/(3*x^3+3*x^2+x-1)$  lgdogf  
A049348 10.4819  $[ -(3*x^2+3*x+1)/(3*x^3+3*x^2+x-1)$  ogf]  
A049348 15.6552  $1/3*((10*x+1)*(1+x)^2)^(1/3)-1-x)/(1+x)$  revogfg  
A049348 5.65835  $[ \{ a(n+3)-a(n+2)-3*a(n+1)-3*a(n), a(0) = 1, a(1) = 4, a(2) = 10 \}, \text{ogf} ]$   
A049349 13.1691  $-1/4*((1+x)^(1/4)-(17*x+1)^(1/4))/(1+x)^(1/4)$  revogfg  
A049349 6.10936  $-(-7+44*x+512*x^5+256*x^6+224*x^3+116*x^2+448*x^4)/(2*x+1)/(8*x^2+4*x+1)/(16*x^4+16*x^3+6*x^2+x-1)$  lgdogf  
A049349 7.47099  $[ -(2*x+1)*(8*x^2+4*x+1)/(16*x^4+16*x^3+6*x^2+x-1)$  ogf]



A049350 11.7166  $1/5*(-(1+x)^{(1/5)}+(26*x+1)^{(1/5)))/(1+x)^{(1/5)}$  revogf  
A049350 5.13553  $[-(125*x^4+125*x^3+50*x^2+10*x+1)/(125*x^5+125*x^4+50*x^3+10*x^2+x-1)$  ogf]  
A049351 13.4475  $-1/6*((1+x)^{(1/6)}-(37*x+1)^{(1/6)))/(1+x)^{(1/6)}$  revogf  
A049351 4.71084  $[-(3*x+1)*(12*x^2+6*x+1)*(36*x^2+6*x+1)/(1296*x^6+1296*x^5+540*x^4+120*x^3+15*x^2+x-1)$  ogf]  
A049376 24.0426  $-(4-6*x+3*x^2)/(x-1)^3$  lgdegf  
A049376 3.97479  $[{-n^3-3*n^2-2*n}*a(n)+(3*n^2+9*n+6)*a(n+1)+(-3*n-7)*a(n+2)+a(n+3), a(0) = 1, a(1) = 1, a(2) = 4}$ , ogf]  
A049377 17.9016  $-(-5+12*x+4*x^3-12*x^2)/(x-1)^4$  lgdegf  
A049378 13.4769  $-(6-20*x-20*x^3+30*x^2+5*x^4)/(x-1)^5$  lgdegf  
A049380 29.1937  $-10+(1-25*x)*f(x)$  lgdogf  
A049380 4.74191  $[{-n-2}*a(n+2)+(35+25*n)*a(n+1), a(0) = 1, a(1) = 10}$ , ogf]  
A049381 30.0092  $-15+(1-25*x)*f(x)$  lgdogf  
A049381 4.87147  $[{-n-2}*a(n+2)+(40+25*n)*a(n+1), a(0) = 1, a(1) = 15}$ , ogf]  
A049382 30.6616  $-20+(1-25*x)*f(x)$  lgdogf  
A049382 4.97511  $[{-n-2}*a(n+2)+(45+25*n)*a(n+1), a(0) = 1, a(1) = 20}$ , ogf]  
A049388 15.3170  $(-1+(1+7*x)^{(1/7)))/(1+7*x)^{(1/7)}$  revegfg  
A049388 5.69861  $[{-n-9}*a(n+1)+a(n+2), a(0) = 1, a(1) = 8}$ , ogf]  
A049388 5.83114  $[1/(x-1)^8$  egf]  
A049388 61.2682  $-8/(x-1)$  lgdegf  
A049389 15.7597  $(-1+(1+8*x)^{(1/8)))/(1+8*x)^{(1/8)}$  revegfg  
A049389 38.7932  $-9+(1-x)*f(x)$  lgdegf  
A049389 5.79375  $[{-n-10}*a(n+1)+a(n+2), a(0) = 1, a(1) = 9}$ , ogf]  
A049390 26.9557  $-20+(-1+25*x)*f(x)$  lgdogf  
A049390 4.28967  $[{(n+2)*a(n+2)+(-5-25*n)*a(n+1), a(0) = 1, a(1) = -20}$ , ogf]  
A049391 27.5719  $-15+(-1+25*x)*f(x)$  lgdogf  
A049391 4.35322  $[{(n+2)*a(n+2)+(-10-25*n)*a(n+1), a(0) = 1, a(1) = -15}$ , ogf]  
A049392 28.1880  $-10+(-1+25*x)*f(x)$  lgdogf  
A049392 4.45687  $[{(n+2)*a(n+2)+(-15-25*n)*a(n+1), a(0) = 1, a(1) = -10}$ , ogf]  
A049393 38.7650  $-5+(-1+25*x)*f(x)$  lgdogf  
A049393 5.86255  $[{(n+2)*a(n+2)+(-20-25*n)*a(n+1), a(0) = 1, a(1) = -5}$ , ogf]  
A049394 31.6401  $-30+(1-25*x)*f(x)$  lgdogf  
A049394 5.13059  $[{-n-2}*a(n+2)+(55+25*n)*a(n+1), a(0) = 1, a(1) = 30}$ , ogf]  
A049395 32.2925  $-35+(1-25*x)*f(x)$  lgdogf  
A049395 5.23423  $[{-n-2}*a(n+2)+(60+25*n)*a(n+1), a(0) = 1, a(1) = 35}$ , ogf]  
A049396 32.6187  $-40+(1-25*x)*f(x)$  lgdogf  
A049396 5.28606  $[{-n-2}*a(n+2)+(65+25*n)*a(n+1), a(0) = 1, a(1) = 40}$ , ogf]  
A049397 28.5142  $-45+(1-25*x)*f(x)$  lgdogf  
A049397 4.63152  $[{-n-2}*a(n+2)+(70+25*n)*a(n+1), a(0) = 1, a(1) = 45}$ , ogf]  
A049398 16.2910  $(-1+(1+9*x)^{(1/9)))/(1+9*x)^{(1/9)}$  revegfg  
A049398 37.2365  $-10+(1-x)*f(x)$  lgdegf  
A049398 5.91826  $[{-n-11}*a(n+1)+a(n+2), a(0) = 1, a(1) = 10}$ , ogf]  
A049402 11.6476  $-(-7+30*x+6*x^5+60*x^3-60*x^2-30*x^4)/(x-1)^6$  lgdegf  
A049412 7.15628  $(-25*n-55)*a(n+1)+(10*n+26)*a(n+2)+(-n-3)*a(n+3), a(0)=7, a(1)=36, a(2)=183$  lgdegf  
A049425 120.550  $(x+1)^2$  lgdegf  
A049425 4.98186  $[{-n^2-5*n-6}*a(n+1)+(-2*n-6)*a(n+2)+a(n+4)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 9}$ , ogf]  
A049426 29.6841  $1+3*x+3*x^2+x^3-f(x)$  lgdegf  
A049426 3.23989  $[{(n+5)*a(n+5)-a(n+4)-3*a(n+3)-3*a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 8/3, a(4) = 19/6}$ , egf]  
A049427 11.6245  $1+4*x+4*x^3+6*x^2+x^4+(4*x+6*x^2+4*x^3+x^4)*f(x)-f(x)^2$  lgdegf  
A049428 12.6891  $(-n-2)*a(n+2)+(4-n)*a(n+1), a(0)=1, a(1)=5$  lgdegf  
A049431 24.1391  $(x+1)^5$  lgdegf  
A049434 6.05096  $[1/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A049440 3.89537  $[-(x^5+91*x^4-534*x^3-370*x^2+181*x-9)/(x-1)/(x+1)/(x^2-18*x+1)/(x^2+4*x-1)$  ogf]  
A049447 5.76820  $[ -1/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(9*x-1)/(2*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]

A049450 13.3567 [  $-2*x*(2*x+1)/(x-1)^3$  ogf]  
A049450 34.0869  $-(4*x+5)/(2*x+1)/(x-1)$  lgdogf  
A049450 6.79761 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 10\}$ , ogf]  
A049451 13.3567 [  $-2*x*(x+2)/(x-1)^3$  ogf]  
A049451 37.4956  $-(2*x+7)/(x+2)/(x-1)$  lgdogf  
A049451 6.79761 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 14\}$ , ogf]  
A049452 13.1312 [  $-x*(7*x+5)/(x-1)^3$  ogf]  
A049452 29.4878  $-2*(7*x+11)/(7*x+5)/(x-1)$  lgdogf  
A049452 6.68285 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 22\}$ , ogf]  
A049453 13.1972 [  $-x*(5*x+7)/(x-1)^3$  ogf]  
A049453 29.6383  $-2*(5*x+13)/(5*x+7)/(x-1)$  lgdogf  
A049453 6.71643 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 26\}$ , ogf]  
A049480 11.1978 [  $(x^2-x+1)*(x+1)/(x-1)^4$  ogf]  
A049480 19.8057  $-(4+x^3+3*x^2)/(x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A049480 24.9317 [  $-x^5+x^2+4$  ogf\_with\_Euler\_transform]  
A049480 3.91323 [  $\{(-n^2-7*n-10)*a(n+1)+(2*n^2+10*n+4)*a(n+2)+(-n^2-3*n)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 10, a(3) = 21\}$ , ogf]  
A049486 7.68927 [  $-(x^5-x^4+3*x^3+2*x^2+2*x+1)/(x+1)/(x-1)^3$  ogf]  
A049486 8.18890  $(-4-12*x-2*x^5+x^6-6*x^3-19*x^2-6*x^4)/(x-1)/(x+1)/(x^5-x^4+3*x^3+2*x^2+2*x+1)$  lgdogf  
A049548 5.90647 [  $x*(32*x^10+16*x^9-12*x^8-12*x^7-17*x^6-x^4-6*x^3-2*x^2+2*x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A049598 17.0288 [  $-12*x/(x-1)^3$  ogf]  
A049598 6.93210 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 12, a(2) = 36\}$ , ogf]  
A049598 96.4968  $-3/(x-1)$  lgdogf  
A049601 11.3792  $-(-3-12*x-16*x^3+27*x^2+3*x^4)/(x-2)/(x^2-3*x+1)/(x^2-x-1)$  lgdogf  
A049601 9.66268 [  $x^2*(x-2)/(x^2-3*x+1)/(x^2-x-1)$  ogf]  
A049602 10.2573 [  $x*(x-1)/(x^2-3*x+1)/(x^2-x-1)$  ogf]  
A049602 11.5197  $-(-1-6*x-12*x^3+15*x^2+3*x^4)/(x-1)/(x^2-3*x+1)/(x^2-x-1)$  lgdogf  
A049610 12.6993 [  $-x^2*(x-1)/(2*x-1)^2$  ogf]  
A049610 28.9650  $-(2*x-3)/(-1+2*x)/(x-1)$  lgdogf  
A049610 6.00948 [  $\{a(n+4)-4*a(n+3)+4*a(n+2), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3\}$ , ogf]  
A049611 10.2039 [  $-x*(x-1)^2/(2*x-1)^3$  ogf]  
A049611 28.8417  $-2*(x-2)/(-1+2*x)/(x-1)$  lgdogf  
A049611 5.06361 [  $\{a(n+4)-6*a(n+3)+12*a(n+2)-8*a(n+1), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 13\}$ , ogf]  
A049612 25.5428  $-(-5+2*x)/(-1+2*x)/(x-1)$  lgdogf  
A049612 5.14805 [  $\{(-1-n)*a(n+2)+(5+3*n)*a(n+1)-2*n*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A049612 7.41564 [  $-x*(x-1)^3/(2*x-1)^4$  ogf]  
A049624 3.51600 [  $(x^3+x^2+1)/(x+1)/(x-1)^2$  ogf]  
A049625 10.4188 [  $(x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A049626 4.61852 [  $(x^5+2*x^4+2*x^3+3*x^2+3*x+3)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A049629 11.2838  $-1/2*(-1-18*x+(1+40*x+320*x^2)^(1/2))/(x-1)$  revogf  
A049629 14.7031  $-(-19+2*x+x^2)/(x+1)/(x^2-18*x+1)$  lgdogf  
A049629 15.8744 [  $(x+1)/(x^2-18*x+1)$  ogf]  
A049629 8.69311 [  $\{-a(n+2)+18*a(n+1)-a(n), a(0) = 1, a(1) = 19\}$ , ogf]  
A049636 13.4058 [  $-(x+2)*(x^2-x-1)/(x+1)/(x-1)^2$  ogf]  
A049636 7.00759 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 2, a(1) = 5, a(2) = 6, a(3) = 8\}$ , ogf]  
A049636 8.01755  $-(-5-7*x+2*x^3-2*x^2)/(x-1)/(x+2)/(x+1)/(x^2-x-1)$  lgdogf  
A049637 10.5353 [  $-(x^5+2*x^4-2*x^3-6*x^2-6*x-2)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A049638 4.70026 [  $-(x^5+2*x^4-3*x^3-7*x^2-7*x-2)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A049651 10.2316 [  $x*(x+1)/(x-1)/(x^2+4*x-1)$  ogf]

A049651 12.7510  $-2*(-3+3*x+x^3+3*x^2)/(x-1)/(x+1)/(x^2+4*x-1)$  lgdogf  
A049651 5.25406  $[{-a(n+3)+5*a(n+2)-3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 6},$   
ogf]  
A049652 14.0715  $[ x/(x-1)/(x^2+4*x-1)$  ogf]  
A049652 17.1977  $-(-5+6*x+3*x^2)/(x-1)/(x^2+4*x-1)$  lgdogf  
A049652 5.19757  $[{a(n+3)-5*a(n+2)+3*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 5},$   
ogf]  
A049654 4.50564  $[{a(n+3)-48*a(n+2)+48*a(n+1)-a(n), a(0) = 0, a(1) = 11, a(2) =$   
532}, ogf]  
A049654 8.71090  $[ -x*(4*x+11)/(x-1)/(x^2-47*x+1)$  ogf]  
A049654 9.35508  $-(532-1056*x+8*x^3-159*x^2)/(4*x+11)/(x-1)/(x^2-47*x+1)$  lgdogf  
A049655 10.0888  $-(-287+576*x+2*x^3-66*x^2)/(x-6)/(x-1)/(x^2-47*x+1)$  lgdogf  
A049655 10.1200  $[ 3*x*(x-6)/(x-1)/(x^2-47*x+1)$  ogf]  
A049655 5.23446  $[{-a(n+3)+48*a(n+2)-48*a(n+1)+a(n), a(0) = 0, a(1) = 18, a(2) =$   
861}, ogf]  
A049656 11.7835  $[ -(11*x+4)/(x-1)/(x^2-47*x+1)$  ogf]  
A049656 5.54518  $[{a(n+3)-48*a(n+2)+48*a(n+1)-a(n), a(0) = 4, a(1) = 203, a(2) =$   
9552}, ogf]  
A049656 8.68491  $- (203-384*x+22*x^3-516*x^2)/(11*x+4)/(x-1)/(x^2-47*x+1)$  lgdogf  
A049657 4.58285  $[{a(n+3)-48*a(n+2)+48*a(n+1)-a(n), a(0) = 0, a(1) = 29, a(2) =$   
1393}, ogf]  
A049657 8.93657  $[ -x*(x+29)/(x-1)/(x^2-47*x+1)$  ogf]  
A049657 9.96358  $- (1393-2784*x+2*x^3+39*x^2)/(x-1)/(x+29)/(x^2-47*x+1)$  lgdogf  
A049658 3.98096  $[{a(n+3)-48*a(n+2)+48*a(n+1)-a(n), a(0) = 1, a(1) = 77, a(2) =$   
3648}, ogf]  
A049658 8.38845  $[ -(29*x+1)/(x-1)/(x^2-47*x+1)$  ogf]  
A049658 8.50364  $- (77-96*x+58*x^3-1389*x^2)/(x-1)/(29*x+1)/(x^2-47*x+1)$  lgdogf  
A049659 4.05839  $[{-a(n+3)+48*a(n+2)-48*a(n+1)+a(n), a(0) = 2, a(1) = 125, a(2) =$   
5903}, ogf]  
A049659 7.26757  $- (-125+194*x-58*x^3+1338*x^2+x^4)/(x-1)/(x^2-47*x+1)/$   
 $(x^2-29*x-2)$  lgdogf  
A049659 7.54606  $[ (x^2-29*x-2)/(x-1)/(x^2-47*x+1)$  ogf]  
A049660 10.9017  $-1/2*(-18*x-1+(1+16*x)^(1/2))*(20*x+1)^(1/2))/x$  revogf  
A049660 19.4853  $[ x/(x^2-18*x+1)$  ogf]  
A049660 23.8799  $-2*(x-9)/(x^2+1-18*x)$  lgdogf  
A049660 8.07926  $[{a(n+2)-18*a(n+1)+a(n), a(0) = 0, a(1) = 1},$  ogf]  
A049661 11.1520  $-2*(29-57*x+x^3-5*x^2)/(x-1)/(x+3)/(x^2+1-18*x)$  lgdogf  
A049661 4.67231  $[{a(n+3)-19*a(n+2)+19*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) =$   
58}, ogf]  
A049661 9.02785  $[ -x*(x+3)/(x-1)/(x^2-18*x+1)$  ogf]  
A049662 10.8125  $-2*(-47+95*x+x^3-17*x^2)/(x-1)/(x-5)/(x^2+1-18*x)$  lgdogf  
A049662 11.7778  $[ x*(x-5)/(x-1)/(x^2-18*x+1)$  ogf]  
A049662 6.09551  $[{-a(n+3)+19*a(n+2)-19*a(n+1)+a(n), a(0) = 0, a(1) = 5, a(2) =$   
94}, ogf]  
A049663 11.7717  $[ -(3*x+1)/(x-1)/(x^2-18*x+1)$  ogf]  
A049663 5.53370  $[{a(n+3)-19*a(n+2)+19*a(n+1)-a(n), a(0) = 1, a(1) = 22, a(2) =$   
399}, ogf]  
A049663 9.51379  $-2*(x+1)*(3*x^2-30*x+11)/(x-1)/(3*x+1)/(x^2+1-18*x)$  lgdogf  
A049664 15.4070  $[ -x/(x-1)/(x^2-18*x+1)$  ogf]  
A049664 18.6762  $- (19-38*x+3*x^2)/(x-1)/(x^2+1-18*x)$  lgdogf  
A049664 5.81139  $[{a(n+3)-19*a(n+2)+19*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) =$   
19}, ogf]  
A049665 11.9250  $[ x*(x-13)/(x-1)/(x^2-18*x+1)$  ogf]  
A049665 6.16809  $[{-a(n+3)+19*a(n+2)-19*a(n+1)+a(n), a(0) = 0, a(1) = 13, a(2) =$   
246}, ogf]  
A049665 9.17087  $-2*(-123+247*x+x^3-29*x^2)/(x-1)/(x-13)/(x^2+1-18*x)$  lgdogf  
A049666 14.7222  $1/2/x*(-11*x-1+(125*x^2+22*x+1)^(1/2))$  revogf  
A049666 14.9547  $[ -x/(x^2+11*x-1)$  ogf]  
A049666 25.4293  $- (11+2*x)/(x^2-1+11*x)$  lgdogf  
A049666 6.93021  $[{-a(n+2)+11*a(n+1)+a(n), a(0) = 0, a(1) = 1},$  ogf]  
A049667 14.9862  $1/2/x*(-29*x-1+(845*x^2+58*x+1)^(1/2))$  revogf

A049667 15.2099 [  $-x/(x^2+29x-1)$  ogf]  
A049667 25.8852  $-(29+2x)/(x^2-1+29x)$  lgdogf  
A049667 7.04848 [  $\{-a(n+2)+29a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A049668 12.1150  $-1/2*(-1-47x+(45x+1)^{(1/2)}*(49x+1)^{(1/2)})/x$  revogf  
A049668 19.2492 [  $x/(x^2-47x+1)$  ogf]  
A049668 24.2300  $-(-47+2x)/(x^2-47x+1)$  lgdogf  
A049668 7.98137 [  $\{a(n+2)-47a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A049669 11.0181  $1/2/x*(-1-76x+(1+152x+5780x^2)^{(1/2)})$  revogf  
A049669 11.8063 [  $-x/(x^2+76x-1)$  ogf]  
A049669 20.0329  $-2*(38+x)/(x^2-1+76x)$  lgdogf  
A049669 5.47122 [  $\{-a(n+2)+76a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A049670 16.1079  $-(-123+2x)/(x^2+1-123x)$  lgdogf  
A049670 19.5666 [  $x/(x^2-123x+1)$  ogf]  
A049670 8.21831  $-1/2*(-123x-1+(121x+1)^{(1/2)}*(125x+1)^{(1/2)})/x$  revogf  
A049670 8.25096 [  $\{a(n+2)-123a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A049671 7.38673 [  $x*(x^2+5x-2)/(x^2-7x+1)/(x^2+x-1)$  ogf]  
A049671 7.57492  $-(-11+30x+2x^5-68x^3-7x^2+9x^4)/(x^2-7x+1)/(x^2+5x-2)/(x^2+x-1)$  lgdogf  
A049672 7.36450  $-2*(-5+9x+2x^5+10x^3+8x^2-9x^4)/(x^2-7x+1)/(2x^2-2x-1)/(x^2+x-1)$  lgdogf  
A049672 7.38673 [  $x*(2x^2-2x-1)/(x^2-7x+1)/(x^2+x-1)$  ogf]  
A049673 10.0421 [  $-x*(x^2+2x-1)/(x^2+x-1)/(x^2+4x-1)$  ogf]  
A049673 8.87985  $-(3-6x+2x^5+16x^3-6x^2+11x^4)/(x^2+x-1)/(x^2+2x-1)/(x^2+4x-1)$  lgdogf  
A049674 12.1285 [  $x^2/(x^2+x-1)/(x^2+4x-1)$  ogf]  
A049674 13.3623  $-(-5+4x+4x^3+15x^2)/(x^2+x-1)/(x^2+4x-1)$  lgdogf  
A049675 8.47050  $-(5-6x+2x^5-4x^3-10x^2+5x^4)/(x-1)/(x+1)/(x^2+x-1)/(x^2+4x-1)$  lgdogf  
A049675 8.87585 [  $-x*(x-1)*(x+1)/(x^2+x-1)/(x^2+4x-1)$  ogf]  
A049676 12.0631  $-1/2*(-1-47x+(1+70x+2205x^2)^{(1/2)})/(x+6)$  revogf  
A049676 13.6821 [  $-(6x-1)/(x^2-47x+1)$  ogf]  
A049676 14.7438  $-(41-2x+6x^2)/(6x-1)/(x^2-47x+1)$  lgdogf  
A049676 7.49260 [  $\{a(n+2)-47a(n+1)+a(n), a(0) = 1, a(1) = 41\}$ , ogf]  
A049677 10.4976  $-1/2*(-3-47x+(9+266x+2205x^2)^{(1/2)})/(4+x)$  revogf  
A049677 12.7673  $-(137-6x+4x^2)/(4x-3)/(x^2-47x+1)$  lgdogf  
A049677 16.2602 [  $-(4x-3)/(x^2-47x+1)$  ogf]  
A049677 8.79961 [  $\{a(n+2)-47a(n+1)+a(n), a(0) = 3, a(1) = 137\}$ , ogf]  
A049678 13.8630 [  $(x+1)/(x^2-47x+1)$  ogf]  
A049678 14.8128  $-(x+8)*(x-6)/(x+1)/(x^2-47x+1)$  lgdogf  
A049678 7.59162 [  $\{-a(n+2)+47a(n+1)-a(n), a(0) = 1, a(1) = 48\}$ , ogf]  
A049678 9.98253  $-1/2*(-1-47x+((35x+1)*(63x+1))^{(1/2)})/(x-1)$  revogf  
A049679 10.4989  $-1/2*(-6-47x+(36+560x+2205x^2)^{(1/2)})/(1+x)$  revogf  
A049679 14.2044  $-(281-12x+x^2)/(x-6)/(x^2-47x+1)$  lgdogf  
A049679 14.4657 [  $-(x-6)/(x^2-47x+1)$  ogf]  
A049679 7.82849 [  $\{a(n+2)-47a(n+1)+a(n), a(0) = 6, a(1) = 281\}$ , ogf]  
A049680 8.20234  $-(2-6x+6x^5+x^6+24x^3-3x^2-21x^4)/(x-1)/(x^2-3x+1)/(x^2+4x-2)/(x^2+x-1)$  lgdogf  
A049680 8.48196 [  $-(x-1)*(x^2+4x-2)/(x^2-3x+1)/(x^2+x-1)$  ogf]  
A049681 7.58736 [  $-x*(2x^2-2x+1)/(x^2-3x+1)/(x^2+x-1)$  ogf]  
A049681 7.88555  $-2*(-1+2x)*(x^4-2x^3+2x^2-x-1)/(x^2-3x+1)/(2x^2-2x+1)/(x^2+x-1)$  lgdogf  
A049682 11.0927 [  $-x*(x+1)/(x-1)/(x^2-47x+1)$  ogf]  
A049682 13.4577  $-(49-96x+2x^3-45x^2)/(x-1)/(x+1)/(x^2-47x+1)$  lgdogf  
A049682 5.74098 [  $\{a(n+3)-48a(n+2)+48a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 49\}$ , ogf]  
A049683 11.2288 [  $-x*(x+1)/(x-1)/(x^2-18x+1)$  ogf]  
A049683 5.62106  $-2*(10-19x+x^3-8x^2)/(x-1)/(x+1)/(x^2+1-18x)$  lgdogf  
A049683 5.81139 [  $\{a(n+3)-19a(n+2)+19a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 20\}$ , ogf]  
A049684 10.4689 [  $-x*(x+1)/(x-1)/(x^2-7x+1)$  ogf]  
A049684 13.0576  $-(-1+2x)*(x^2-2x-9)/(x-1)/(x+1)/(x^2-7x+1)$  lgdogf

A049684 5.37591 [ {a(n+3)-8\*a(n+2)+8\*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 9},  
ogf ]  
A049685 11.3197 [ -(x-1)/(x^2-7\*x+1) ogf ]  
A049685 12.1368 -1/2\*(-7\*x-1+(45\*x^2+10\*x+1)^(1/2))/(1+x) revogf  
A049685 16.5870 -(6-2\*x+x^2)/(x-1)/(x^2-7\*x+1) lgdogf  
A049685 6.21205 [ {a(n+2)-7\*a(n+1)+a(n), a(0) = 1, a(1) = 6}, ogf ]  
A049686 20.5368 [ 7\*x/(x^2-47\*x+1) ogf ]  
A049686 21.7821 -(-47+2\*x)/(x^2-47\*x+1) lgdogf  
A049686 9.45263 -1/2\*(-47\*x-7+(45\*x+7)^(1/2)\*(7\*x+1)^(1/2)\*7^(1/2))/x revogf  
A049686 9.51707 [ {a(n+2)-47\*a(n+1)+a(n), a(0) = 0, a(1) = 7}, ogf ]  
A049775 13.5871 [ -(5\*x-2)/(4\*x-1)/(2\*x-1) ogf ]  
A049775 14.9720 -(7-32\*x+40\*x^2)/(4\*x-1)/(2\*x-1)/(5\*x-2) lgdogf  
A049775 18.1478 -(-1-3\*x+(1+x+x^2)^(1/2))/(5+8\*x) revogf  
A049775 7.45635 [ {a(n+2)-6\*a(n+1)+8\*a(n), a(0) = 2, a(1) = 7}, ogf ]  
A049778 14.8543 -(3+8\*x^3+12\*x+9\*x^2)/(x-1)/(x+1)/(2\*x^2+x+1) lgdogf  
A049778 8.03879 [ (2\*x^2+x+1)/(x+1)^2/(x-1)^4 ogf ]  
A049779 15.8043 -(5+4\*x^3+16\*x+7\*x^2)/(x-1)/(x+1)/(2+x+x^2) lgdogf  
A049779 9.12658 [ (x^2+x+2)/(x+1)^2/(x-1)^4 ogf ]  
A049853 11.4452 [ (x-1)\*(x+1)/(x^3-x^2+2\*x-1) ogf ]  
A049853 13.5802 -(-2+4\*x+x^4-5\*x^2)/(x-1)/(x+1)/(x^3-x^2+2\*x-1) lgdogf  
A049853 5.82479 [ {a(n+3)-2\*a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 2},  
ogf ]  
A049854 11.0416 [ (2\*x+1)\*(x-1)/(x^3-x^2+2\*x-1) ogf ]  
A049854 11.5689 -(-3+6\*x+2\*x^4-6\*x^2-2\*x^3)/(x-1)/(2\*x+1)/(x^3-x^2+2\*x-1) lgdogf  
A049854 6.01371 [ {a(n+3)-2\*a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 3},  
ogf ]  
A049855 11.0994 [ (x+2)\*(x-1)/(x^3-x^2+2\*x-1) ogf ]  
A049855 12.5086 -(-3+6\*x+x^4-9\*x^2+2\*x^3)/(x+2)/(x-1)/(x^3-x^2+2\*x-1) lgdogf  
A049855 6.04519 [ {a(n+3)-2\*a(n+2)+a(n+1)-a(n), a(0) = 2, a(1) = 3, a(2) = 3},  
ogf ]  
A049856 13.1788 [ x^2\*(x-1)/(x^4-x^3+2\*x-1) ogf ]  
A049856 17.7029 -(-1+3\*x^4+3\*x^2-6\*x^3)/(x-1)/(x^4-x^3+2\*x-1) lgdogf  
A049858 11.8164 -(-2+2\*x-x^4+2\*x^5+x^2-4\*x^3)/(x-1)/(x+1)/(x^4-x^3+2\*x-1) lgdogf  
A049858 12.0020 [ x\*(x-1)\*(x+1)/(x^4-x^3+2\*x-1) ogf ]  
A049859 10.6876 [ x\*(2\*x+1)\*(x-1)/(x^4-x^3+2\*x-1) ogf ]  
A049859 11.2150 -(-3+4\*x-5\*x^4+4\*x^5-x^2-2\*x^3)/(x-1)/(2\*x+1)/(x^4-x^3+2\*x-1)  
lgdogf  
A049860 10.2206 [ x\*(3\*x+1)\*(x-1)/(x^4-x^3+2\*x-1) ogf ]  
A049860 11.4710 -(-4+6\*x-9\*x^4+6\*x^5-3\*x^2)/(x-1)/(3\*x+1)/(x^4-x^3+2\*x-1) lgdogf  
A049861 10.1668 [ x\*(x+2)\*(x-1)/(x^4-x^3+2\*x-1) ogf ]  
A049861 10.4895 -(-3+2\*x+2\*x^4+2\*x^5+4\*x^2-10\*x^3)/(x+2)/(x-1)/(x^4-x^3+2\*x-1)  
lgdogf  
A049863 10.4895 [ x\*(x+3)\*(x-1)/(x^4-x^3+2\*x-1) ogf ]  
A049863 10.8279 -(-4+2\*x+5\*x^4+2\*x^5+7\*x^2-16\*x^3)/(x-1)/(x+3)/(x^4-x^3+2\*x-1)  
lgdogf  
A049864 11.0622 [ -(x+1)\*(x-1)^2/(x^4-x^3+2\*x-1) ogf ]  
A049864 14.1312 -(-1+x-x^4+x^5-x^2-3\*x^3)/(x-1)/(x+1)/(x^4-x^3+2\*x-1) lgdogf  
A049864 6.15556 [ {a(n+4)-2\*a(n+3)+a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 1,  
a(3) = 2}, ogf ]  
A049866 9.56398 -(-1-2\*x+4\*x^4-2\*x^5+8\*x^2-10\*x^3+x^6)/(x-1)/(x^2+1)/(x^4-  
x^3+2\*x-1) lgdogf  
A049866 9.62807 [ (x-1)\*(x^2+1)/(x^4-x^3+2\*x-1) ogf ]  
A049867 9.10051 -(-1-4\*x+5\*x^4-4\*x^5+13\*x^2-14\*x^3+2\*x^6)/(x-1)/(2\*x^2+1)/(x^4-  
x^3+2\*x-1) lgdogf  
A049867 9.83077 [ (x-1)\*(2\*x^2+1)/(x^4-x^3+2\*x-1) ogf ]  
A049868 10.2206 [ -(x-1)\*(x^2-x-1)/(x^4-x^3+2\*x-1) ogf ]  
A049868 10.4895 -(2-4\*x+2\*x^4-4\*x^5+4\*x^2+x^6)/(x-1)/(x^2-x-1)/(x^4-x^3+2\*x-1)  
lgdogf  
A049870 12.0231 [ (x-1)\*(x^2+x+1)/(x^4-x^3+2\*x-1) ogf ]  
A049870 12.6666 -(-2+6\*x^2-8\*x^3+x^6)/(x-1)/(x^2+x+1)/(x^4-x^3+2\*x-1) lgdogf  
A049871 9.54048 -(3-6\*x+6\*x^4-6\*x^5+6\*x^2-2\*x^3+x^6)/(x-1)/(x^2-2\*x-1)/(x^4-

$x^3+2x-1$  lgdogf  
A049871 9.88143 [  $-(x-1)*(x^2-2x-1)/(x^4-x^3+2x-1)$  ogf]  
A049872 6.43941 [  $x*(89x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A049873 10.3803  $-(2-2x-5x^4-2x^5-x^2+8x^3+x^6)/(x-1)/(x^2-2)/(x^4-x^3+2x-1)$  lgdogf  
A049873 9.83077 [  $-(x-1)*(x^2-2)/(x^4-x^3+2x-1)$  ogf]  
A049875 10.1717  $-(3-6x-6x^5+6x^2+2x^3+2x^6)/(x-1)/(2x^2-x-2)/(x^4-x^3+2x-1)$  lgdogf  
A049875 9.93212 [  $-(x-1)*(2x^2-x-2)/(x^4-x^3+2x-1)$  ogf]  
A049876 10.0335 [  $-(x-1)*(x-2)*(x+1)/(x^4-x^3+2x-1)$  ogf]  
A049876 10.2776  $-(3-4x-x^4-4x^5+x^2+6x^3+x^6)/(x-1)/(x-2)/(x+1)/(x^4-x^3+2x-1)$  lgdogf  
A050151 12.6329  $(-2x^2+9x-1+(x^2-6x+1)^{1/2})/(x^2-6x+1)/x$  lgdogf  
A050151 4.50643 [  $\{(n^2+5n+6)*a(n+1)+(-6n^2-33n-45)*a(n+2)+(n^2+6n+8)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A050187 22.3719  $-4*(1+4x+x^2)/(x-1)/(x+3)/(x+1)$  lgdogf  
A050187 4.20943 [  $\{(n^2+5n+6)*a(n+1)+(n+3)*a(n+2)+(-n^2-2n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 3\}$ , ogf]  
A050187 9.34821 [  $-x^3*(x+3)/(x+1)^2/(x-1)^3$  ogf]  
A050188 10.8345  $-(10+16x+5x^5+14x^4+43x^2+20x^3)/(x-1)/(x+2)/(x^2+x+1)/(x^2+2)$  lgdogf  
A050188 6.52385 [  $x*(x+2)*(x^2+2)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A050189 14.0595  $-2*(6+23x+8x^2+3x^3)/(x-1)/(x+1)/(x^2+2x+5)$  lgdogf  
A050189 6.92403 [  $-x*(x^2+2x+5)/(x+1)^3/(x-1)^5$  ogf]  
A050228 14.0013 [  $-1/(x^3+x-1)/(x-1)^2$  ogf]  
A050228 19.6626  $-(3+3x-3x^2+5x^3)/(x-1)/(x^3+x-1)$  lgdogf  
A050231 12.3753 [  $x^2/(2x-1)/(x^3+x^2+x-1)$  ogf]  
A050231 14.7505  $-(3+2x+3x^2+8x^3)/(-1+2x)/(x^3+x^2+x-1)$  lgdogf  
A050232 10.3583 [  $x^3/(2x-1)/(x^4+x^3+x^2+x-1)$  ogf]  
A050232 11.4258  $-(3+2x+10x^4+3x^2+4x^3)/(-1+2x)/(x^4+x^3+x^2+x-1)$  lgdogf  
A050233 9.34243 [  $x^4/(2x-1)/(x^5+x^4+x^3+x^2+x-1)$  ogf]  
A050233 9.91735  $-(3+2x+12x^5+5x^4+3x^2+4x^3)/(-1+2x)/(x^5+x^4+x^3+x^2+x-1)$  lgdogf  
A050250 12.9340 [  $9*(x+1)/(x-1)/(10x^2-1)$  ogf]  
A050250 14.2550  $-2*(-1-10x+10x^2+10x^3)/(x-1)/(x+1)/(10x^2-1)$  lgdogf  
A050250 6.08010 [  $\{a(n+3)-a(n+2)-10a(n+1)+10a(n), a(0) = 9, a(1) = 18, a(2) = 108\}$ , ogf]  
A050253 16.0799  $1/2/(1+x+x^2)*(-1+(1+4x+4x^2+4x^3)^{1/2})$  revogf  
A050267 15.2130  $-(8527-20174x+11929x^2)/(x-1)/(11929x^2-22016x+10181)$  lgdogf  
A050271 8.08067 [  $(x^5-x^4+x^3-x^2-x-1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A050297 13.3836  $-(3-10x+3x^2)/(x-1)/(x^5-5x^4+10x^3-9x^2+2x-1)$  lgdogf  
A050297 6.66892 [  $x*(x^5-5x^4+10x^3-9x^2+2x-1)/(x-1)^5$  ogf]  
A050398 29.3601  $-1+\exp(1/2*x*(x+2))$  revegf  
A050400 8.36102 [  $(x^4-12x^3-24x^2-4x+5)/(x+1)/(x^4-6x^2-2x+1)$  ogf]  
A050401 3.83085 [  $-(5x^7+8x^6-75x^5-56x^4+135x^3+120x^2+7x-8)/(x+1)/(x^2-2x-1)/(x^5-4x^4-5x^3+9x^2+4x-1)$  ogf]  
A050402 6.55125 [  $-(x^5+17x^4-20x^3-72x^2-13x+7)/(x+1)/(x^2-2x-1)/(x^3-x^2-5x+1)$  ogf]  
A050403 24.0196  $-(13+36x)/(6x+1)/(x-1)$  lgdogf  
A050403 3.85490 [  $\{(n+3)*a(n+3)+(-3+5n)*a(n+2)+(-42-6n)*a(n+1), a(0) = 1, a(1) = 13, a(2) = 70\}$ , ogf]  
A050403 6.62696 [  $-(6x+1)/(x-1)^7$  ogf]  
A050404 23.3254  $-14*(3x+1)/(7x+1)/(x-1)$  lgdogf  
A050404 3.89846 [  $\{(n+3)*a(n+3)+(-2+6n)*a(n+2)+(-49-7n)*a(n+1), a(0) = 1, a(1) = 14, a(2) = 77\}$ , ogf]  
A050404 6.70184 [  $-(7x+1)/(x-1)^7$  ogf]  
A050405 23.3254  $-3*(5+16x)/(8x+1)/(x-1)$  lgdogf  
A050405 3.89846 [  $\{(n+3)*a(n+3)+(-1+7n)*a(n+2)+(-56-8n)*a(n+1), a(0) = 1, a(1) = 15, a(2) = 84\}$ , ogf]  
A050405 6.70184 [  $-(8x+1)/(x-1)^7$  ogf]

A050406 23.5920  $-2*(8+27*x)/(9*x+1)/(x-1)$  lgdogf  
A050406 4.15950  $[{(n+3)*a(n+3)+8*n*a(n+2)+(-63-9*n)*a(n+1), a(0) = 1, a(1) = 16, a(2) = 91}]$ , ogf]  
A050406 6.77672  $[ -(9*x+1)/(x-1)^7$  ogf]  
A050407 10.7593  $[ x*(3*x^2-3*x+1)/(x-1)^4$  ogf]  
A050407 22.7612  $-(1-3*x+6*x^2)/(x-1)/(3*x^2-3*x+1)$  lgdogf  
A050407 4.02785  $[{(-3-n)*a(n+4)+(9+4*n)*a(n+3)+(-9-6*n)*a(n+2)+(6+3*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 1}]$ , ogf]  
A050408 11.6352  $[ -(109*x^2+7*x+1)/(x-1)^3$  ogf]  
A050408 17.5262  $-(10+232*x+109*x^2)/(x-1)/(109*x^2+7*x+1)$  lgdogf  
A050408 6.37406  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 10, a(2) = 136}]$ , ogf]  
A050409 11.3605  $[ x*(9*x+5)/(x-1)^4$  ogf]  
A050409 30.3133  $-(27*x+29)/(9*x+5)/(x-1)$  lgdogf  
A050409 4.82635  $[{(10+5*n)*a(n+3)+(-25+4*n)*a(n+2)+(-27-9*n)*a(n+1), a(0) = 0, a(1) = 5, a(2) = 29}]$ , ogf]  
A050410 10.0158  $[ x*(4*x^2+9*x+1)/(x-1)^4$  ogf]  
A050410 20.0067  $-(13+35*x+8*x^2)/(x-1)/(4*x^2+9*x+1)$  lgdogf  
A050410 3.69271  $[{(n+3)*a(n+4)+(3+8*n)*a(n+3)+(-40-5*n)*a(n+2)+(-8-4*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 13, a(3) = 50}]$ , ogf]  
A050441 11.3237  $[ x*(10*x+1)/(x-1)^4$  ogf]  
A050441 28.3221  $-2*(7+15*x)/(10*x+1)/(x-1)$  lgdogf  
A050441 4.91688  $[{(-2-n)*a(n+3)+(5-9*n)*a(n+2)+(30+10*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 14}]$ , ogf]  
A050442 13.6158  $-2*(1+7*x+2*x^4+6*x^2+8*x^3)/(x-1)/(x+1)/(x^3+3*x^2+x+1)$  lgdogf  
A050442 7.29904  $[ 4*x*(x^3+3*x^2+x+1)/(x+1)^3/(x-1)^4$  ogf]  
A050443 15.0571  $[ (x^3-4)/(x^4+x^3-1)$  ogf]  
A050443 21.4610  $-x^2*(x^4-9-16*x)/(x^3-4)/(x^4+x^3-1)$  lgdogf  
A050470 13.3343  $[-(6*x^2+2*x+4)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A050476 5.00750  $[{(-32*n^2-112*n-96)*a(n+1)+(4*n^2+6*n-18)*a(n+2)+(n^2+7*n+12)*a(n+3), a(0) = 1, a(1) = 7, a(2) = 26}]$ , ogf]  
A050476 8.38578  $-5/32-5/8*x-1/8*x^2+1/32*((4*x^2+20*x+1)*(5+2*x)^2)^{(1/2)}$  revogf  
A050477 8.34618  $-3/25-12/25*x-2/25*x^2+1/25*((4*x^2+24*x+1)*(x+3)^2)^{(1/2)}$  revogf  
A050478 8.25633  $-7/72-7/18*x-1/18*x^2+1/72*((4*x^2+28*x+1)*(7+2*x)^2)^{(1/2)}$  revogf  
A050479 8.50366  $-4/49-16/49*x-2/49*x^2+1/49*((4*x^2+32*x+1)*(4+x)^2)^{(1/2)}$  revogf  
A050483 29.6182  $-(11+21*x)/(3*x+1)/(x-1)$  lgdogf  
A050483 4.73576  $[{(n+3)*a(n+3)+(-7+2*n)*a(n+2)+(-24-3*n)*a(n+1), a(0) = 1, a(1) = 11, a(2) = 60}]$ , ogf]  
A050483 7.39359  $[ (3*x+1)/(x-1)^8$  ogf]  
A050484 28.4850  $-4*(3+7*x)/(1+4*x)/(x-1)$  lgdogf  
A050484 4.55716  $[{(n+3)*a(n+3)+(-6+3*n)*a(n+2)+(-32-4*n)*a(n+1), a(0) = 1, a(1) = 12, a(2) = 68}]$ , ogf]  
A050484 7.11476  $[ (4*x+1)/(x-1)^8$  ogf]  
A050485 6.73299  $-(13+35*x)/(5*x+1)/(x-1)$  lgdogf  
A050486 34.1682  $-(9+7*x)/(x-1)/(x+1)$  lgdogf  
A050486 36.4728  $[9-x]$  ogf\_with\_Euler\_transform]  
A050486 5.72392  $[{(-n-3)*a(n+3)+9*a(n+2)+(8+n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 44}]$ , ogf]  
A050486 7.88499  $[ (x+1)/(x-1)^8$  ogf]  
A050488 12.1696  $[ -x*(x+1)/(2*x-1)/(x-1)^2$  ogf]  
A050488 18.9823  $-(5+5*x+4*x^2)/(x-1)/(-1+2*x)/(x+1)$  lgdogf  
A050488 6.24924  $[{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 0, a(1) = 1, a(2) = 5}]$ , ogf]  
A050489 3.95362  $[{(64*n^2+224*n+192)*a(n+1)+(-12*n^2-38*n-6)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 11, a(2) = 42}]$ , ogf]  
A050490 8.55615  $-5/81-20/81*x-2/81*x^2+1/81*((4*x^2+40*x+1)*(x+5)^2)^{(1/2)}$  revogf  
A050491 7.80158  $-11/200-11/50*x-1/50*x^2+1/200*((4*x^2+44*x+1)*(2*x+11)^2)^{(1/2)}$

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revogf
A050492 10.1954 [ (13*x^2+10*x+1)/(x-1)^4 ogf]
A050492 17.7384 -2*(7+28*x+13*x^2)/(x-1)/(13*x^2+10*x+1) lgdogf
A050494 32.4884 -2*(5+7*x)/(2*x+1)/(x-1) lgdogf
A050494 5.18763 [ {(-n-3)*a(n+3)+(8-n)*a(n+2)+(16+2*n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 52}, ogf]
A050494 8.09906 [ (2*x+1)/(x-1)^8 ogf]
A050506 5.21752 [ (x^25+x^23+x^21+x^19+x^17+x^15+x^13+x^11+x^9+x^6+x^4+x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x^18+x^9+1)/(x-1)^2 ogf]
A050509 10.9376 [ (2*x^2+6*x+1)/(x-1)^4 ogf]
A050509 20.5566 -2*(x+5)*(2*x+1)/(x-1)/(2*x^2+6*x+1) lgdogf
A050509 3.77346 [ {(n+4)*a(n+4)+(5+5*n)*a(n+3)+(-30-4*n)*a(n+2)+(-6-2*n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 36, a(3) = 88}, ogf]
A050511 3.44308 [ {(-5*n-15)*a(n+1)+(-11*n-37)*a(n+2)+(-7*n-27)*a(n+3)+(-n-5)*a(n+4), a(0) = 1, a(1) = -3, a(2) = 8, a(3) = -23}, ogf]
A050511 7.55590 -1/2*(-x-1+(5*x+1)^(1/2))*(x+1)^(1/2)+4*(5*x+1)^(1/2)*(x+1)^(1/2)*x/(5*x+1)^(1/2)/(x+1)^(3/2)/x lgdogf
A050518 19.6491 2*x/(540+(291600+2*x)^(1/2))^2 revogf
A050518 19.7751 [ 583200/(x-1)^2 ogf]
A050518 73.6840 -2/(x-1) lgdogf
A050518 8.08013 [ {-a(n+2)+2*a(n+1)-a(n), a(0) = 583200, a(1) = 1166400}, ogf]
A050519 14.0907 30*x/(15+(225+30*x)^(1/2))^2 revogf
A050519 24.2666 [ 30/(x-1)^2 ogf]
A050519 49.3174 -2/(x-1) lgdogf
A050519 9.82221 [ {-a(n+2)+2*a(n+1)-a(n), a(0) = 30, a(1) = 60}, ogf]
A050531 5.62341 [ (x^6+x^4+2*x^3+x^2+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^6 ogf]
A050531 6.92958 -2*(1+5*x+18*x^2+23*x^3+17*x^4+12*x^5+4*x^6+8*x^7+3*x^8+17*x^9)/(x-1)/(x+1)/(x^2+x+1)/(x^6+x^4+2*x^3+x^2+1) lgdogf
A050533 10.4602 [ x*(x^2+2*x+5)/(x-1)^4 ogf]
A050533 22.8040 -2*(11+4*x+x^2)/(x-1)/(x^2+2*x+5) lgdogf
A050533 3.83718 [ {(15+5*n)*a(n+4)+(-28-3*n)*a(n+3)+(-9-n)*a(n+2)+(-n-2)*a(n+1), a(0) = 0, a(1) = 5, a(2) = 22, a(3) = 59}, ogf]
A050534 11.8048 [ -3*x^3/(x-1)^5 ogf]
A050534 5.94962 [ {(-1+n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 3}, ogf]
A050534 92.5049 -5/(x-1) lgdogf
A050621 11.5615 [ -2*(6*x-1)/(10*x-1)/(2*x-1) ogf]
A050621 12.3498 -2*(3-20*x+60*x^2)/(6*x-1)/(-1+2*x)/(10*x-1) lgdogf
A050621 6.52884 [ {a(n+2)-12*a(n+1)+20*a(n), a(0) = 2, a(1) = 12}, ogf]
A050622 14.6932 [ 2*(x^2+1)*(2*x^24-2*x^22+2*x^20-2*x^18+2*x^16-2*x^14+2*x^12-2*x^10+2*x^8-2*x^6+2*x^4-x^2+1)/(x-1)^2 ogf]
A050622 6.53044 2*(-1+x^4-2*x^3-26*x^25+24*x^26)/(x-1)/(x^2+1)/(2*x^24-2*x^22+2*x^20-2*x^18+2*x^16-2*x^14+2*x^12-2*x^10+2*x^8-2*x^6+2*x^4-x^2+1) lgdogf
A050683 12.4249 -1/10*10^(1/2)*(arcsinh(1/3)-arcsinh(10/27*x+1/3)) revegef
A050683 15.0981 [ -9*(x+1)/(10*x^2-1) ogf]
A050683 18.8256 -(1+20*x+10*x^2)/(x+1)/(10*x^2-1) lgdogf
A050683 9.75568 [ {-a(n+2)+10*a(n), a(0) = 9, a(1) = 9}, ogf]
A050684 10.1805 [ (x+1)^2/(3*x-1)/(3*x+1)/(10*x^2-1) ogf]
A050684 9.79899 -2*(-1-19*x+90*x^4+180*x^3)/(3*x-1)/(3*x+1)/(x+1)/(10*x^2-1) lgdogf
A050685 7.90811 [ -9*x^2*(x+1)/(x-1)/(3*x-1)/(3*x+1)/(10*x^2-1) ogf]
A050685 7.92649 -2*(1+19*x+180*x^5+90*x^4-19*x^2-199*x^3)/(x-1)/(3*x-1)/(3*x+1)/(x+1)/(10*x^2-1) lgdogf
A050686 8.06810 -(1+35*x+90*x^5+90*x^4-19*x^2-341*x^3)/(x-1)/(3*x-1)/(3*x+1)/(x+1)/(10*x^2-1) lgdogf
A050686 9.46446 [ -(x-1)*(x+1)^2/(3*x-1)/(3*x+1)/(10*x^2-1) ogf]
A050720 10.5296 [ 9*x^2*(x+1)/(3*x-1)/(3*x+1)/(10*x^2-1) ogf]
A050720 9.31524 -(-1-38*x+270*x^4-19*x^2+360*x^3)/(3*x-1)/(3*x+1)/(x+1)/(10*x^2-1) lgdogf

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A050726 6.68903 [-3\*x^10+3\*x^9+2 ogf\_with\_Euler\_transform]  
A050728 2.74197 [-x^5+x^4+2 ogf\_with\_Euler\_transform]  
A050914 10.7469 [ -(6\*x^2-3\*x+1)/(x-1)/(3\*x-1)^2 ogf]  
A050914 13.6132 -2\*(3\*x-2)\*(3\*x^2+1)/(x-1)/(3\*x-1)/(6\*x^2-3\*x+1) lgdogf  
A050914 5.84481 [{a(n+3)-7\*a(n+2)+15\*a(n+1)-9\*a(n), a(0) = 1, a(1) = 4, a(2) = 19}, ogf]  
A050915 11.4131 -(-5+4\*x-20\*x^2+48\*x^3)/(x-1)/(4\*x-1)/(12\*x^2-4\*x+1) lgdogf  
A050915 5.26821 [{a(n+3)-9\*a(n+2)+24\*a(n+1)-16\*a(n), a(0) = 1, a(1) = 5, a(2) = 33}, ogf]  
A050915 9.46631 [ -(12\*x^2-4\*x+1)/(x-1)/(4\*x-1)^2 ogf]  
A050916 11.8736 -2\*(-3-15\*x^2+50\*x^3)/(x-1)/(5\*x-1)/(20\*x^2-5\*x+1) lgdogf  
A050916 5.22292 [{a(n+3)-11\*a(n+2)+35\*a(n+1)-25\*a(n), a(0) = 1, a(1) = 6, a(2) = 51}, ogf]  
A050916 9.32091 [ -(20\*x^2-5\*x+1)/(x-1)/(5\*x-1)^2 ogf]  
A050917 11.1753 [ -(30\*x^2-6\*x+1)/(x-1)/(6\*x-1)^2 ogf]  
A050917 13.4723 -(-7-6\*x-42\*x^2+180\*x^3)/(x-1)/(6\*x-1)/(30\*x^2-6\*x+1) lgdogf  
A050917 6.26202 [{a(n+3)-13\*a(n+2)+48\*a(n+1)-36\*a(n), a(0) = 1, a(1) = 7, a(2) = 73}, ogf]  
A050919 11.1659 -2\*(-4-7\*x-28\*x^2+147\*x^3)/(x-1)/(7\*x-1)/(42\*x^2-7\*x+1) lgdogf  
A050919 5.39748 [{a(n+3)-15\*a(n+2)+63\*a(n+1)-49\*a(n), a(0) = 1, a(1) = 8, a(2) = 99}, ogf]  
A050919 9.63243 [ -(42\*x^2-7\*x+1)/(x-1)/(7\*x-1)^2 ogf]  
A050935 23.7623 [ x^2/(x^3-x+1) ogf]  
A050935 43.4331 -(-1+3\*x^2)/(1-x+x^3) lgdogf  
A050935 8.52342 [{a(n+3)-a(n+2)+a(n), a(0) = 0, a(1) = 0, a(2) = 1}, ogf]  
A050982 48.3480 -30/(5\*x-1) lgdogf  
A050982 6.38712 [{(-n-2)\*a(n+2)+(35+5\*n)\*a(n+1), a(0) = 1, a(1) = 30}, ogf]  
A050982 8.25652 [ 1/(5\*x-1)^6 ogf]  
A050988 38.1231 -42/(-1+6\*x) lgdogf  
A050988 4.42045 [{(-n-2)\*a(n+2)+(48+6\*n)\*a(n+1), a(0) = 1, a(1) = 42}, ogf]  
A050988 4.98477 [ -1/(6\*x-1)^7 ogf]  
A050989 30.4985 -56+(1-7\*x)\*f(x) lgdogf  
A050989 4.70817 [{(-n-2)\*a(n+2)+(63+7\*n)\*a(n+1), a(0) = 1, a(1) = 56}, ogf]  
A051022 6.63378 [ x\*(91\*x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A051028 5.21300 [{a(n+3)-82\*a(n+2)-82\*a(n+1)+a(n), a(0) = 1, a(1) = 135, a(2) = 11161}, ogf]  
A051028 6.26581 -(-135-182\*x+9\*x^4-3605\*x^2+106\*x^3)/(x+1)/(9\*x^2+53\*x+1)/(x^2-83\*x+1) lgdogf  
A051028 9.77438 [ (9\*x^2+53\*x+1)/(x+1)/(x^2-83\*x+1) ogf]  
A051029 5.21300 [{a(n+3)-82\*a(n+2)-82\*a(n+1)+a(n), a(0) = 2, a(1) = 138, a(2) = 11468}, ogf]  
A051029 6.64555 -(69+152\*x+6\*x^4-577\*x^2+26\*x^3)/(x+1)/(6\*x^2+13\*x-1)/(x^2-83\*x+1) lgdogf  
A051029 9.62400 [ -2\*(6\*x^2+13\*x-1)/(x+1)/(x^2-83\*x+1) ogf]  
A051030 5.23557 [{-a(n+3)+82\*a(n+2)+82\*a(n+1)-a(n), a(0) = 2, a(1) = 172, a(2) = 14258}, ogf]  
A051030 6.89330 -(86+154\*x+5\*x^4+735\*x^2-8\*x^3)/(x-1)/(5\*x+1)/(x+1)/(x^2-83\*x+1) lgdogf  
A051030 9.81669 [ -2\*(5\*x+1)\*(x-1)/(x+1)/(x^2-83\*x+1) ogf]  
A051032 12.3159 [ -(4\*x^2-x-2)/(x-1)/(2\*x^2-1) ogf]  
A051032 14.7264 -(3+8\*x^4-6\*x^2-4\*x^3)/(x-1)/(2\*x^2-1)/(4\*x^2-x-2) lgdogf  
A051032 6.70779 [{-a(n+3)+a(n+2)+2\*a(n+1)-2\*a(n), a(0) = 2, a(1) = 3, a(2) = 3}, ogf]  
A051039 11.2019 [ (7\*x^5+4\*x^4+2\*x^3+x^2+1)/(x-1)^2 ogf]  
A051039 11.9669 (-2-2\*x+21\*x^5-27\*x^4-6\*x^2-14\*x^3)/(x-1)/(7\*x^5+4\*x^4+2\*x^3+x^2+1) lgdogf  
A051040 10.0214 [ (15\*x^6+8\*x^5+4\*x^4+2\*x^3+x^2+1)/(x-1)^2 ogf]  
A051040 10.0753 2\*(-1-x+30\*x^6-33\*x^5-16\*x^4-3\*x^2-7\*x^3)/(x-1)/(15\*x^6+8\*x^5+4\*x^4+2\*x^3+x^2+1) lgdogf  
A051047 4.48368 [{-a(n+5)+15\*a(n+4)-15\*a(n+3)+a(n+2), a(0) = 1, a(1) = 3, a(2) =

8, a(3) = 120, a(4) = 1680}, ogf]  
 A051047 5.50400 (3-74\*x+3\*x^6-90\*x^5+773\*x^4+645\*x^2-1356\*x^3)/(x-1)/(x^2-14\*x+1)/(3\*x^4-44\*x^3+22\*x^2+12\*x-1) lgdogf  
 A051047 8.25652 [(3\*x^4-44\*x^3+22\*x^2+12\*x-1)/(x-1)/(x^2-14\*x+1) ogf]  
 A051048 3.20600 [-a(n+5)+15\*a(n+4)-15\*a(n+3)+a(n+2), a(0) = 2, a(1) = 5, a(2) = 31, a(3) = 449, a(4) = 6271}, ogf]  
 A051048 5.94283 [(4\*x^4-57\*x^3+14\*x^2+25\*x-2)/(x-1)/(x^2-14\*x+1) ogf]  
 A051049 10.7523 [(x^2-x+1)/(x-1)/(2\*x-1)/(x+1) ogf]  
 A051049 11.0717 -(-1-4\*x+2\*x^4+9\*x^2-4\*x^3)/(x-1)/(-1+2\*x)/(x+1)/(x^2-x+1) lgdogf  
 A051049 5.85618 [{a(n+3)-2\*a(n+2)-a(n+1)+2\*a(n), a(0) = 1, a(1) = 1, a(2) = 4}, ogf]  
 A051062 18.3516 [8\*(x+1)/(x-1)^2 ogf]  
 A051062 28.9264 -(-4-x+4\*(1+x)^(1/2))/(-8+x) revogf  
 A051062 39.1361 [[3-x] ogf\_with\_Euler\_transform]  
 A051062 44.9966 -(3+x)/(x-1)/(x+1) lgdogf  
 A051062 9.94964 [-a(n+2)+2\*a(n+1)-a(n), a(0) = 8, a(1) = 24}, ogf]  
 A051063 12.4415 [9\*(x^2+x+1)/(x+1)/(x-1)^2 ogf]  
 A051063 18.5821 -(2+6\*x+3\*x^2+x^3)/(x-1)/(x+1)/(x^2+x+1) lgdogf  
 A051063 30.2005 [-x^2+x+2 ogf\_with\_Euler\_transform]  
 A051063 6.65730 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 9, a(1) = 18, a(2) = 36}, ogf]  
 A051066 6.15095 [x\*(x^2+1)\*(x^8-x^6+x^4-x^2+1)\*(x^8+1)/(x^2+x+1)/(x^18+x^9+1)/(x-1)^2 ogf]  
 A051109 11.7827 -2\*(1+5\*x+25\*x^4+15\*x^2+20\*x^3)/(5\*x^2+2\*x+1)/(10\*x^3-1) lgdogf  
 A051109 13.4688 [- (5\*x^2+2\*x+1)/(10\*x^3-1) ogf]  
 A051109 8.74595 [{a(n+3)-10\*a(n), a(0) = 1, a(1) = 2, a(2) = 5}, ogf]  
 A051111 14.0027 [1/(x^4-3\*x^3+4\*x^2-2\*x+1) ogf]  
 A051111 16.8869 -(-2+8\*x-9\*x^2+4\*x^3)/(4\*x^2+1-2\*x+x^4-3\*x^3) lgdogf  
 A051133 6.51217 [{(n+1)\*a(n+2)+(-10-4\*n)\*a(n+1), a(0) = 0, a(1) = 3}, ogf]  
 A051133 60.7145 -10/(4\*x-1) lgdogf  
 A051136 12.3732 [-(-x^3-4\*x^2+x-4)/(-x^4+1) ogf\_with\_Euler\_transform]  
 A051170 16.1733 [-x^5+x^4+x^2+x+3 ogf\_with\_Euler\_transform]  
 A051170 5.90873 [-x\*(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^5 ogf]  
 A051170 9.11973 -(3+2\*x+7\*x^6-4\*x^5+9\*x^4+4\*x^2+4\*x^3)/(x-1)/(x^2-x+1)/(x^4+x^3+x^2+x+1) lgdogf  
 A051172 16.0836 [x^6-2\*x^5+2\*x^2+2\*x+4 ogf\_with\_Euler\_transform]  
 A051172 3.88801 [-x\*(x^2-x+1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^7 ogf]  
 A051176 10.4118 [x\*(x^4+2\*x^3+x^2+2\*x+1)/(x-1)^2/(x^2+x+1)^2 ogf]  
 A051176 10.6628 -2\*(1+x+x^6+3\*x^5+2\*x^4+6\*x^2+7\*x^3)/(x-1)/(x^2+x+1)/(x^4+2\*x^3+x^2+2\*x+1) lgdogf  
 A051176 6.31265 [{(-n-4)\*a(n+1)+(n+1)\*a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 1}, ogf]  
 A051180 4.58917 [x^3\*(744\*x^3-606\*x^2+155\*x-13)/(x-1)/(6\*x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1)/(8\*x-1)/(5\*x-1) ogf]  
 A051188 22.9540 [-1/(7\*x-1) egf]  
 A051188 27.7177 1/7-1/7\*exp(-7\*x) revegf  
 A051188 42.8364 -7/(-1+7\*x) lgdegf  
 A051188 5.41610 [{(-7\*n-14)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 7}, ogf]  
 A051189 23.8566 [-1/(8\*x-1) egf]  
 A051189 28.8328 1/8-1/8\*exp(-8\*x) revegf  
 A051189 49.0157 -8/(8\*x-1) lgdegf  
 A051189 5.62909 [{(-8\*n-16)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 8}, ogf]  
 A051232 29.1782 [-1/(9\*x-1) egf]  
 A051232 54.6956 -9/(-1+9\*x) lgdegf  
 A051232 6.88474 [{(-9\*n-18)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 9}, ogf]  
 A051249 12.9521 1-3\*f(x)+3\*f(x)^2-f(x)^3 lgdegf  
 A051253 10.4429 -2\*(2-2\*x+16\*x^5-8\*x^4+3\*x^2-12\*x^3)/(-1+2\*x)/(4\*x^2-2\*x-1)/(2\*x^3+2\*x^2-1) lgdogf  
 A051253 11.5537 [- (4\*x^2-2\*x-1)/(2\*x-1)/(2\*x^3+2\*x^2-1) ogf]  
 A051262 20.2728 [-1/(10\*x-1) egf]

A051262 33.4958  $-10/(-1+10*x)$  lgdegf  
A051262 4.90111  $[ \{ (-10*x^n-20)*a(n+1)+a(n+2), a(0) = 1, a(1) = 10 \}, ogf ]$   
A051263 10.9822  $-(1+2*x+12*x^6+13*x^5+14*x^4+9*x^2+9*x^3)/(x-1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A051263 25.3470  $[ [x^4+2*x^2+1] ogf\_with\_Euler\_transform ]$   
A051263 8.48458  $[ 1/(x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^4 ogf ]$   
A051274 12.2863  $-x*(2+x^5+2*x^4+4*x^3+5*x+x^6+9*x^2)/(x-1)/(x+1)/(x^2+x+1)/(1+x^4)$  lgdogf  
A051274 13.5044  $[ (x^4+1)/(x^2+x+1)/(x+1)/(x-1)^2 ogf ]$   
A051274 18.2471  $[ -x*(x^6-x^2-x-1) ogf\_with\_Euler\_transform ]$   
A051275 13.3909  $[ (x^2+1)/(x^2+x+1)/(x+1)/(x-1)^2 ogf ]$   
A051275 13.8623  $-x*(4+3*x^4+3*x^3+7*x+7*x^2)/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)$  lgdogf  
A051275 28.0749  $[ -x^3+x^2+2*x ogf\_with\_Euler\_transform ]$   
A051286 16.7571  $-(-1-x-3*x^2+2*x^3)/(x^2+x+1)/(x^2-3*x+1)$  lgdogf  
A051303 5.15173  $[ x^3*(360*x^3-78*x^2-x-1)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(8*x-1)/(5*x-1) ogf ]$   
A051361 12.3551  $-(2*x-3)*(4*x^3-20*x^2+33*x-25)/(x-1)/(2*x^4-12*x^3+27*x^2-29*x+13)$  lgdogf  
A051361 6.20431  $[ x^3*(2*x^4-12*x^3+27*x^2-29*x+13)/(x-1)^8 ogf ]$   
A051375 7.83873  $-2*(11-105*x+288*x^4+365*x^2-544*x^3)/(x-1)/(4*x-1)/(3*x-1)/(-1+2*x)/(8*x-3)$  lgdogf  
A051375 8.13532  $[ -3*x^2*(8*x-3)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1) ogf ]$   
A051376 4.96014  $[ x^2*(1344*x^3-692*x^2+59*x+3)/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(8*x-1)/(7*x-1) ogf ]$   
A051396 5.57576  $[ \{ (4*n^2-2*n)*a(n)+(-4*n^2-6*n-3)*a(n+1)+a(n+2), a(0) = 0, a(1) = 1 \}, ogf ]$   
A051397 5.01707  $[ \{ (4*n^2+2*n)*a(n)+(-4*n^2-10*n-7)*a(n+1)+a(n+2), a(0) = 0, a(1) = 1 \}, ogf ]$   
A051398 18.9878  $(3+6*x+5*x^2+x^3)/(x+1)/(1+3*x+x^2)$  lgdegf  
A051403 5.44585  $[ \{ (-n-4)*a(n+1)+(n+4)*a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 3 \}, ogf ]$   
A051405 5.50497  $[ \{ -a(n+3)+13*a(n+2)-39*a(n+1)+27*a(n), a(0) = 2, a(1) = 10, a(2) = 70 \}, ogf ]$   
A051405 9.16086  $-(5-60*x+243*x^4+276*x^2-432*x^3)/(x-1)/(3*x-1)/(9*x-1)/(9*x^2-8*x+1)$  lgdogf  
A051405 9.75882  $[ -2*(9*x^2-8*x+1)/(x-1)/(3*x-1)/(9*x-1) ogf ]$   
A051406 10.7985  $[ -(9*x^2-8*x+1)/(x-1)/(3*x-1)/(9*x-1) ogf ]$   
A051406 5.95781  $[ \{ -a(n+3)+13*a(n+2)-39*a(n+1)+27*a(n), a(0) = 1, a(1) = 5, a(2) = 35 \}, ogf ]$   
A051406 8.81352  $-(5-60*x+243*x^4+276*x^2-432*x^3)/(x-1)/(3*x-1)/(9*x-1)/(9*x^2-8*x+1)$  lgdogf  
A051407 15.1926  $-3*(5-36*x+81*x^2)/(3*x-1)/(9*x-2)/(9*x-1)$  lgdogf  
A051407 15.4169  $[ -(9*x-2)/(9*x-1)/(3*x-1) ogf ]$   
A051407 15.5632  $-1/9*(-1-6*x+(1+3*x+9*x^2)^(1/2))/(1+3*x)$  revogf  
A051407 8.52466  $[ \{ a(n+2)-12*a(n+1)+27*a(n), a(0) = 2, a(1) = 15 \}, ogf ]$   
A051431 14.7957  $(-1+(10*x+1)^(1/10))/(10*x+1)^(1/10)$  revegf  
A051431 38.0460  $-11+(1-x)*f(x)$  lgdegf  
A051431 6.04418  $[ \{ (-n-12)*a(n+1)+a(n+2), a(0) = 1, a(1) = 11 \}, ogf ]$   
A051436 5.44848  $[ -(39*x^7-20*x^6-39*x^5+14*x^4+17*x^3-5*x^2-3*x+1)/(x-1)/(3*x-1)/(2*x-1)/(x+1)/(3*x^2-1)/(2*x^2-1) ogf ]$   
A051437 13.0071  $[ -(4*x^2-x-1)/(2*x-1)/(2*x^2-1) ogf ]$   
A051437 13.4366  $-(3-4*x+16*x^4-2*x^2-8*x^3)/(-1+2*x)/(2*x^2-1)/(4*x^2-x-1)$  lgdogf  
A051437 7.08421  $[ \{ a(n+3)-2*a(n+2)-2*a(n+1)+4*a(n), a(0) = 1, a(1) = 3, a(2) = 4 \}, ogf ]$   
A051449 6.37170  $[ -(x^3+x-1)*(x+1)^2/(x^2+x+1)/(x^2+x-1)/(x^4+x^2-1) ogf ]$   
A051449 6.63351  $-(1+9*x^10+x+3*x^11+15*x^9-5*x^6-5*x^5-9*x^4+x^2+15*x^8+5*x^7-x^3)/(x+1)/(x^2+x-1)/(x^3+x-1)/(x^4+x^2-1)/(x^2+x+1)$  lgdogf  
A051450 10.8160  $[ (2*x-1)/(x^2-3*x+1)/(x^2+x-1) ogf ]$   
A051450 11.9712  $-2*(-1+3*x+3*x^4-6*x^3)/(-1+2*x)/(x^2-3*x+1)/(x^2+x-1)$  lgdogf

A051462 11.5533  $-(4+10*x+x^5+5*x^4+17*x^2+11*x^3)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A051462 22.3568  $[-2*x^3+x^2+x+4$  ogf\_with\_Euler\_transform]  
A051462 6.81389  $[(x+1)*(x^2+1)^2/(x^2+x+1)/(x-1)^4$  ogf]  
A051494 10.7687  $[-(x^3+x^2-x+1)/(x-1)^3/(x+1)^3$  ogf]  
A051494 16.8409  $-(-1+8*x+3*x^4-2*x^2+4*x^3)/(x-1)/(x+1)/(x^3+x^2-x+1)$  lgdogf  
A051495 10.0742  $-(1+4*x+5*x^6-6*x^5+14*x^4+6*x^2+12*x^3)/(x-1)/(x^2+x+1)/(x^4-x^3+2*x^2+x+1)$  lgdogf  
A051495 9.65456  $[-(x^4-x^3+2*x^2+x+1)/(x-1)^3/(x^2+x+1)^3$  ogf]  
A051500 10.4450  $[-(12*x^2-9*x+1)/(x-1)/(3*x-1)/(9*x-1)$  ogf]  
A051500 5.85283  $[{-a(n+3)+13*a(n+2)-39*a(n+1)+27*a(n), a(0) = 1, a(1) = 4, a(2) = 25}$ ], ogf]  
A051500 8.27986  $-2*(2-27*x+162*x^4+138*x^2-243*x^3)/(x-1)/(3*x-1)/(9*x-1)/(12*x^2-9*x+1)$  lgdogf  
A051515 4.81951  $[-(9*x^6+16*x^5+135*x^4+64*x^3+135*x^2+16*x+9)/(x+1)^4/(x-1)^5$  ogf]  
A051515 6.08089  $-(25+367*x+73*x^6+745*x^5+599*x^4+455*x^2+27*x^7+1549*x^3)/(x-1)/(x+1)/(9*x^6+16*x^5+135*x^4+64*x^3+135*x^2+16*x+9)$  lgdogf  
A051524 3.72758  $[{(n^2+14*n+49)*a(n+1)+(-2*n-15)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 13}$ ], ogf]  
A051528 4.91808  $[(x^{12}-x^9+2*x^8+2*x^4-x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A051530 4.70374  $[(x^9+x^8-x^7+5*x^6-x^5+x^4+2*x^3-x+1)/(x^2-x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A051531 5.89057  $[(2*x^6+5*x^5+6*x^3+3*x^2-x+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A051531 7.07226  $-(1+6*x+14*x^6+52*x^5+55*x^4+30*x^2+4*x^8+19*x^7+11*x^3)/(x-1)/(x^2+x+1)/(2*x^6+5*x^5+6*x^3+3*x^2-x+1)$  lgdogf  
A051535 5.93287  $[-(2*x+1)*(16*x^4+8*x^3+4*x^2+2*x+1)*(16*x^4-8*x^3+4*x^2-2*x+1)/(1000*x^{10}-1)$  ogf]  
A051545 3.78738  $[{(n^2+16*n+64)*a(n+1)+(-2*n-17)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 15}$ ], ogf]  
A051551 3.01029  $[16*(32462531054272512*x^6-42268920643584*x^5-73383542784*x^4-254803968*x^3-110592*x^2-192*x-1)/(48693796581408768*x^6-191102976*x^3-1)$  ogf]  
A051560 3.41939  $[{(n^2+18*n+81)*a(n+1)+(-2*n-19)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 17}$ ], ogf]  
A051562 3.47360  $[{(n^2+20*n+100)*a(n+1)+(-2*n-21)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 19}$ ], ogf]  
A051564 3.55121  $[{(n^2+22*n+121)*a(n+1)+(-2*n-23)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 21}$ ], ogf]  
A051577 12.4444  $1/2*((1+3*x)^{1/3}-1)*((1+3*x)^{1/3}+1)/(1+3*x)^{2/3}$  revegef  
A051577 43.9703  $-5+(1-2*x)*f(x)$  lgdegf  
A051577 7.62877  $[{(-2*n-7)*a(n+1)+a(n+2), a(0) = 1, a(1) = 5}$ ], ogf]  
A051578 14.6517  $2*x/(1+4*x)^{1/2}/(1+(1+4*x)^{1/2})$  revegef  
A051578 18.0541  $[-1/(2*x-1)^3$  egf]  
A051578 46.6192  $-6/(-1+2*x)$  lgdegf  
A051578 7.79608  $[{(-2*n-8)*a(n+1)+a(n+2), a(0) = 1, a(1) = 6}$ ], ogf]  
A051579 34.9429  $-7+(1-2*x)*f(x)$  lgdegf  
A051579 6.08497  $[{(-2*n-9)*a(n+1)+a(n+2), a(0) = 1, a(1) = 7}$ ], ogf]  
A051579 9.88951  $1/2*((1+5*x)^{1/5}-1)*((1+5*x)^{1/5}+1)/(1+5*x)^{2/5}$  revegef  
A051580 10.5156  $[1/(2*x-1)^4$  egf]  
A051580 14.8744  $1/2*(-1+(1+6*x)^{1/3})/(1+6*x)^{1/3}$  revegef  
A051580 48.6797  $-8/(-1+2*x)$  lgdegf  
A051580 6.14393  $[{(-2*n-10)*a(n+1)+a(n+2), a(0) = 1, a(1) = 8}$ ], ogf]  
A051581 10.1261  $1/2*(-1+(1+7*x)^{1/7})*((1+7*x)^{1/7}+1)/(1+7*x)^{2/7}$  revegef  
A051581 36.4540  $-9+(1-2*x)*f(x)$  lgdegf  
A051581 6.27126  $[{(-2*n-11)*a(n+1)+a(n+2), a(0) = 1, a(1) = 9}$ ], ogf]  
A051582 15.6614  $1/2*(-1+(1+8*x)^{1/4})/(1+8*x)^{1/4}$  revegef  
A051582 46.9841  $-10/(-1+2*x)$  lgdegf  
A051582 6.39047  $[{(-2*n-12)*a(n+1)+a(n+2), a(0) = 1, a(1) = 10}$ ], ogf]  
A051582 9.91624  $[-1/(2*x-1)^5$  egf]

A051583 10.5458  $1/2*(-1+(1+9*x)^(1/9))*((1+9*x)^(1/9)+1)/(1+9*x)^(2/9)$  revegfg  
A051583 35.5922  $-11+(1-2*x)*f(x)$  lgdegf  
A051583 6.45342  $[{-2*n-13}*a(n+1)+a(n+2), a(0) = 1, a(1) = 11]$ , ogf]  
A051588 6.11373  $-(-15+340*x+46080*x^5-40128*x^4-3136*x^2+15232*x^3)/(6*x-1)/(4*x-1)/(8*x-1)/(5*x-1)/(24*x^2-8*x+1)$  lgdogf  
A051588 7.50781  $[x*(24*x^2-8*x+1)/(6*x-1)/(4*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A051604 37.3984  $-7+(1-3*x)*f(x)$  lgdegf  
A051604 6.43043  $[{-3*n-10}*a(n+1)+a(n+2), a(0) = 1, a(1) = 7]$ , ogf]  
A051604 8.37277  $1/3*((1+4*x)^(1/4)-1)*((1+4*x)^(1/2)+(1+4*x)^(1/4)+1)/(1+4*x)^(3/4)$  revegfg  
A051605 37.9650  $-8+(1-3*x)*f(x)$  lgdegf  
A051605 6.52593  $[{-3*n-11}*a(n+1)+a(n+2), a(0) = 1, a(1) = 8]$ , ogf]  
A051605 8.49963  $1/3*((1+5*x)^(1/5)-1)*((1+5*x)^(2/5)+(1+5*x)^(1/5)+1)/(1+5*x)^(3/5)$  revegfg  
A051606 15.3284  $[ -1/(3*x-1)^3$  egf]  
A051606 16.7564  $2*x/(1+6*x)^(1/2)/(1+(1+6*x)^(1/2))$  revegfg  
A051606 58.6474  $-9/(3*x-1)$  lgdegf  
A051606 6.71693  $[{-3*n-12}*a(n+1)+a(n+2), a(0) = 1, a(1) = 9]$ , ogf]  
A051607 31.7115  $-10+(1-3*x)*f(x)$  lgdegf  
A051607 5.76082  $[{-3*n-13}*a(n+1)+a(n+2), a(0) = 1, a(1) = 10]$ , ogf]  
A051607 7.46153  $1/3*(-1+(1+7*x)^(1/7))*((1+7*x)^(2/7)+(1+7*x)^(1/7)+1)/(1+7*x)^(3/7)$  revegfg  
A051608 32.4046  $-11+(1-3*x)*f(x)$  lgdegf  
A051608 5.88406  $[{-3*n-14}*a(n+1)+a(n+2), a(0) = 1, a(1) = 11]$ , ogf]  
A051608 7.62462  $1/3*(-1+(1+8*x)^(1/8))*((1+8*x)^(1/4)+(1+8*x)^(1/8)+1)/(1+8*x)^(3/8)$  revegfg  
A051609 14.6331  $1/3*(-1+(1+9*x)^(1/3))/(1+9*x)^(1/3)$  revegfg  
A051609 47.8902  $-12/(3*x-1)$  lgdegf  
A051609 5.97647  $[{-3*n-15}*a(n+1)+a(n+2), a(0) = 1, a(1) = 12]$ , ogf]  
A051609 9.96078  $[ 1/(3*x-1)^4$  egf]  
A051617 34.9346  $-9+(1-4*x)*f(x)$  lgdegf  
A051617 6.01247  $[{-4*n-13}*a(n+1)+a(n+2), a(0) = 1, a(1) = 9]$ , ogf]  
A051617 7.38056  $1/4*((1+5*x)^(1/5)-1)*((1+5*x)^(1/5)+1)*((1+5*x)^(2/5)+1)/(1+5*x)^(4/5)$  revegfg  
A051618 33.4444  $-10+(1-4*x)*f(x)$  lgdegf  
A051618 7.02007  $[{-4*n-14}*a(n+1)+a(n+2), a(0) = 1, a(1) = 10]$ , ogf]  
A051618 9.90944  $1/4*(-1+(1+6*x)^(1/3))*((1+6*x)^(1/3)+1)/(1+6*x)^(2/3)$  revegfg  
A051619 33.6177  $-11+(1-4*x)*f(x)$  lgdegf  
A051619 6.09970  $[{-4*n-15}*a(n+1)+a(n+2), a(0) = 1, a(1) = 11]$ , ogf]  
A051619 7.47059  $1/4*(-1+(1+7*x)^(1/7))*((1+7*x)^(1/7)+1)*((1+7*x)^(2/7)+1)/(1+7*x)^(4/7)$  revegfg  
A051620 13.8630  $[ -1/(4*x-1)^3$  egf]  
A051620 15.5265  $2*x/(1+8*x)^(1/2)/(1+(1+8*x)^(1/2))$  revegfg  
A051620 49.4025  $-12/(4*x-1)$  lgdegf  
A051620 6.16131  $[{-4*n-16}*a(n+1)+a(n+2), a(0) = 1, a(1) = 12]$ , ogf]  
A051621 34.4841  $-13+(1-4*x)*f(x)$  lgdegf  
A051621 6.25373  $[{-4*n-17}*a(n+1)+a(n+2), a(0) = 1, a(1) = 13]$ , ogf]  
A051621 7.66313  $1/4*(-1+(1+9*x)^(1/9))*((1+9*x)^(1/9)+1)*((1+9*x)^(2/9)+1)/(1+9*x)^(4/9)$  revegfg  
A051622 34.8307  $-14+(1-4*x)*f(x)$  lgdegf  
A051622 6.31534  $[{-4*n-18}*a(n+1)+a(n+2), a(0) = 1, a(1) = 14]$ , ogf]  
A051622 9.95162  $1/4*((10*x+1)^(1/5)-1)*((10*x+1)^(1/5)+1)/(10*x+1)^(2/5)$  revegfg  
A051624 12.8673  $[ -x*(9*x+1)/(x-1)^3$  ogf]  
A051624 30.0896  $-6*(3*x+2)/(9*x+1)/(x-1)$  lgdogf  
A051624 6.54852  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 12}]$ , ogf]  
A051630 6.04849  $[ (x^4+x^2-x+1)/(x^2-x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A051630 7.77853  $-x*(4-6*x^5+17*x^4+3*x^3+2*x+x^7+13*x^6+6*x^2+8*x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^2-x+1)$  lgdogf  
A051633 15.1164  $[ -(x-3)/(2*x-1)/(x-1)$  ogf]  
A051633 16.6659  $-1/2*(-3-3*x+(9+14*x+x^2)^(1/2))/(2*x+1)$  revogfg

A051633 19.0467  $-2*(4-6*x+x^2)/(x-1)/(x-3)/(-1+2*x)$  lgdogf  
A051633 8.29561  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 3, a(1) = 8}]$ , ogf]  
A051662 11.1736  $[(2*x^2+5*x+1)/(x-1)^4$  ogf]  
A051662 21.6063  $-(9+19*x+4*x^2)/(x-1)/(2*x^2+5*x+1)$  lgdogf  
A051662 3.87425  $[{(n+4)*a(n+4)+(3+4*n)*a(n+3)+(-25-3*n)*a(n+2)+(-6-2*n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 32, a(3) = 78}]$ , ogf]  
A051667 11.1653  $[-2*x*(x+1)/(2*x-1)/(x-1)^2$  ogf]  
A051667 17.3977  $-(-5+5*x+4*x^2)/(x-1)/(-1+2*x)/(x+1)$  lgdogf  
A051667 5.68232  $[{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 0, a(1) = 2, a(2) = 10}]$ , ogf]  
A051669 10.8747  $[(x^2-4*x-1)/(2*x-1)/(x-1)^2$  ogf]  
A051669 13.8274  $-2*(4-2*x-7*x^2+x^3)/(x-1)/(-1+2*x)/(x^2-4*x-1)$  lgdogf  
A051669 5.87042  $[{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 8, a(2) = 26}]$ , ogf]  
A051673 10.4386  $[x*(5*x^2+8*x+1)/(x-1)^4$  ogf]  
A051673 20.8619  $-2*(x+3)*(5*x+2)/(x-1)/(5*x^2+8*x+1)$  lgdogf  
A051673 3.82925  $[{(n+3)*a(n+4)+(2+7*n)*a(n+3)+(-37-3*n)*a(n+2)+(-10-5*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 12, a(3) = 47}]$ , ogf]  
A051682 13.1451  $[-x*(8*x+1)/(x-1)^3$  ogf]  
A051682 30.7465  $-(11+16*x)/(8*x+1)/(x-1)$  lgdogf  
A051682 6.68991  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 11}]$ , ogf]  
A051687 29.7886  $-11+(1-5*x)*f(x)$  lgdegf  
A051687 5.01702  
 $1/5*((1+6*x)^(1/6)-1)*((1+6*x)^(2/3)+(1+6*x)^(1/2)+(1+6*x)^(1/3)+(1+6*x)^(1/6)+1)/(1+6*x)^(5/6)$  revegef  
A051687 5.41610  $[{(-5*n-16)*a(n+1)+a(n+2), a(0) = 1, a(1) = 11}]$ , ogf]  
A051688 29.9578  $-12+(1-5*x)*f(x)$  lgdegf  
A051688 5.44619  $[{(-5*n-17)*a(n+1)+a(n+2), a(0) = 1, a(1) = 12}]$ , ogf]  
A051689 30.1271  $-13+(1-5*x)*f(x)$  lgdegf  
A051689 5.02118  
 $1/5*(-1+(1+8*x)^(1/8))*((1+8*x)^(1/2)+(1+8*x)^(3/8)+(1+8*x)^(1/4)+(1+8*x)^(1/8)+1)/(1+8*x)^(5/8)$  revegef  
A051689 5.47628  $[{(-5*n-18)*a(n+1)+a(n+2), a(0) = 1, a(1) = 13}]$ , ogf]  
A051690 30.4656  $-14+(1-5*x)*f(x)$  lgdegf  
A051690 5.07759  
 $1/5*(-1+(1+9*x)^(1/9))*((1+9*x)^(4/9)+(1+9*x)^(1/3)+(1+9*x)^(2/9)+(1+9*x)^(1/9)+1)/(1+9*x)^(5/9)$  revegef  
A051690 5.53646  $[{(-5*n-19)*a(n+1)+a(n+2), a(0) = 1, a(1) = 14}]$ , ogf]  
A051691 12.2192  $[-1/(5*x-1)^3$  egf]  
A051691 13.2475  $2*x/(10*x+1)^(1/2)/(1+(10*x+1)^(1/2))$  revegef  
A051691 44.5597  $-15/(5*x-1)$  lgdegf  
A051691 5.56654  $[{(-5*n-20)*a(n+1)+a(n+2), a(0) = 1, a(1) = 15}]$ , ogf]  
A051708 10.8186  $-1/2*((x-1)^(1/2)*(9*x-1)^(1/2)-9*x+1)/(9*x-1)^(3/2)/x/(x-1)^(1/2)$  lgdogf  
A051708 5.85802  $[{-9*a(n)*n+(10*n+14)*a(n+1)+(-n-2)*a(n+2), a(0) = 1, a(1) = 2}]$ , ogf]  
A051711 15.0849  $[(2*x-1)/(4*x-1)$  egf]  
A051711 3.87599  $[{(8*n^2+8*n)*a(n)+(-4*n^2-18*n-16)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 2}]$ , ogf]  
A051711 30.3783  $2/(4*x-1)/(-1+2*x)$  lgdegf  
A051725 6.59167  $[-(12*x^11+6*x^10+4*x^9+3*x^8+12*x^7+2*x^6+12*x^5+3*x^4+4*x^3+6*x^2+12*x+1)/(x^4-x^2+1)/(x^2-x+1)/(x^2+x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A051736 11.6071  $[-(x^2-2*x-1)*(x+1)/(x^4-6*x^2-2*x+1)$  ogf]  
A051736 8.97332  $-((5+14*x+x^6-2*x^5-3*x^4+13*x^2)/(x+1)/(x^2-2*x-1)/(x^4-6*x^2-2*x+1)$  lgdogf  
A051737 5.72370  $-(8+18*x+21*x^6-2*x^5-19*x^4+9*x^2+x^8-8*x^7-20*x^3)/(x^4-4*x^3+4*x+1)/(x^5-4*x^4-5*x^3+9*x^2+4*x-1)$  lgdogf  
A051737 9.19765  $[-(x^4-4*x^3+4*x+1)/(x^5-4*x^4-5*x^3+9*x^2+4*x-1)$  ogf]  
A051740 10.5487  $[-(6*x+1)/(x-1)^5$  ogf]

A051740 30.6092  $-(11+24*x)/(6*x+1)/(x-1)$  lgdogf  
A051740 4.89514  $[{(n+3)*a(n+3)+(-1+5*n)*a(n+2)+(-30-6*n)*a(n+1)}, a(0) = 1, a(1) = 11, a(2) = 45]$ , ogf]  
A051743 17.5865  $-(-7+6*x-6*x^2+2*x^3)/(x-2)/(x-1)/(x^2-x+1)$  lgdogf  
A051743 4.33133  $[{(n^2+9*n+18)*a(n+1)+(-2*n^2-14*n-20)*a(n+2)+(n^2+5*n+6)*a(n+3)}, a(0) = 2, a(1) = 7, a(2) = 18]$ , ogf]  
A051743 8.86179  $[(x-2)*(x^2-x+1)/(x-1)^5$  ogf]  
A051744 10.1536  $[-(x^2-2*x+2)/(x-1)^5$  ogf]  
A051744 24.6024  $-(8-6*x+3*x^2)/(x-1)/(x^2-2*x+2)$  lgdogf  
A051744 4.01066  $[{(2*n+8)*a(n+4)+(-20-4*n)*a(n+3)+(12+3*n)*a(n+2)+(-4-n)*a(n+1)}, a(0) = 2, a(1) = 8, a(2) = 21, a(3) = 45]$ , ogf]  
A051745 13.2830  $-2*(4-4*x+x^4+6*x^2-4*x^3)/(x-1)/(x^4-4*x^3+6*x^2-4*x+2)$  lgdogf  
A051745 4.58456  $[{(n^2+10*n+21)*a(n+1)+(-2*n^2-15*n-22)*a(n+2)+(n^2+5*n+6)*a(n+3)}, a(0) = 2, a(1) = 8, a(2) = 24]$ , ogf]  
A051745 7.89074  $[(x^4-4*x^3+6*x^2-4*x+2)/(x-1)^6$  ogf]  
A051746 17.2988  $-3*(-3+3*x-3*x^2+x^3)/(x-2)/(x-1)/(x^2-x+1)$  lgdogf  
A051746 4.23627  $[{(n^2+11*n+28)*a(n+1)+(-2*n^2-16*n-24)*a(n+2)+(n^2+5*n+6)*a(n+3)}, a(0) = 2, a(1) = 9, a(2) = 27]$ , ogf]  
A051746 7.89889  $[-(x-2)*(x^2-x+1)/(x-1)^6$  ogf]  
A051747 22.0903  $-2*(5-4*x+2*x^2)/(x-1)/(x^2-2*x+2)$  lgdogf  
A051747 3.80853  $[{(2*n+8)*a(n+4)+(-22-4*n)*a(n+3)+(14+3*n)*a(n+2)+(-5-n)*a(n+1)}, a(0) = 2, a(1) = 10, a(2) = 31, a(3) = 76]$ , ogf]  
A051747 8.69903  $[(x^2-2*x+2)/(x-1)^6$  ogf]  
A051755 16.5400  $[(x^2-2*x+3)/(x-1)^2$  ogf]  
A051755 42.9962  $-4/(x-1)/(x^2-2*x+3)$  lgdogf  
A051755 8.59433  $[{-a(n+3)+2*a(n+2)-a(n+1)}, a(0) = 3, a(1) = 4, a(2) = 6]$ , ogf]  
A051792 10.9486  $[-(2*x^3+x^2+x+1)/(x^4-x^2-1)$  ogf]  
A051792 12.8102  $-(1+2*x^6+2*x^5+5*x^4+5*x^2+4*x^3)/(2*x^3+x^2+x+1)/(x^4-x^2-1)$  lgdogf  
A051793 6.61253  $[-(2*x^5+x^4+x^3+x^2+x+1)*(x^2+1)/(x^8+x^6-x^4-x^2-1)$  ogf]  
A051794 4.77361  $[-(x^2+x+1)*(x^2-x+1)*(2*x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^12+x^10+x^8-x^6-x^4-x^2-1)$  ogf]  
A051797 10.2154  $[-(7*x+1)/(x-1)^5$  ogf]  
A051797 29.6279  $-4*(3+7*x)/(7*x+1)/(x-1)$  lgdogf  
A051797 5.00201  $[{(n+3)*a(n+3)+6*n*a(n+2)+(-35-7*n)*a(n+1)}, a(0) = 1, a(1) = 12, a(2) = 50]$ , ogf]  
A051798 28.3578  $-(13+32*x)/(8*x+1)/(x-1)$  lgdogf  
A051798 4.54048  $[{(n+3)*a(n+3)+(1+7*n)*a(n+2)+(-40-8*n)*a(n+1)}, a(0) = 1, a(1) = 13, a(2) = 55]$ , ogf]  
A051798 9.78441  $[-(8*x+1)/(x-1)^5$  ogf]  
A051799 27.5056  $-2*(7+18*x)/(9*x+1)/(x-1)$  lgdogf  
A051799 4.58658  $[{(n+3)*a(n+3)+(2+8*n)*a(n+2)+(-45-9*n)*a(n+1)}, a(0) = 1, a(1) = 14, a(2) = 60]$ , ogf]  
A051799 9.88375  $[-(9*x+1)/(x-1)^5$  ogf]  
A051836 29.4798  $-2*(4+5*x)/(2*x+1)/(x-1)$  lgdogf  
A051836 4.78787  $[{(n+2)*a(n+3)+(-7+n)*a(n+2)+(-10-2*n)*a(n+1)}, a(0) = 0, a(1) = 1, a(2) = 8]$ , ogf]  
A051836 8.54977  $[x*(2*x+1)/(x-1)^6$  ogf]  
A051843 30.9612  $-(11+25*x)/(5*x+1)/(x-1)$  lgdogf  
A051843 4.99162  $[{(-2-n)*a(n+3)+(7-4*n)*a(n+2)+(25+5*n)*a(n+1)}, a(0) = 0, a(1) = 1, a(2) = 11]$ , ogf]  
A051843 8.97302  $[x*(5*x+1)/(x-1)^6$  ogf]  
A051865 12.7103  $[-x*(10*x+1)/(x-1)^3$  ogf]  
A051865 29.0365  $-(13+20*x)/(10*x+1)/(x-1)$  lgdogf  
A051865 6.58210  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n)}, a(0) = 0, a(1) = 1, a(2) = 13]$ , ogf]  
A051866 12.7751  $[-x*(11*x+1)/(x-1)^3$  ogf]  
A051866 28.0643  $-2*(7+11*x)/(11*x+1)/(x-1)$  lgdogf  
A051866 6.61568  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n)}, a(0) = 0, a(1) = 1, a(2) = 14]$ , ogf]  
A051867 12.5019  $[-x*(12*x+1)/(x-1)^3$  ogf]

A051867 28.5558  $-3*(5+8*x)/(12*x+1)/(x-1)$  lgdogf  
A051867 6.47418  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 15\},$   
ogf]  
A051868 12.5663  $[ -x*(13*x+1)/(x-1)^3$  ogf]  
A051868 27.6013  $-2*(8+13*x)/(13*x+1)/(x-1)$  lgdogf  
A051868 6.50755  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 16\},$   
ogf]  
A051869 12.7596  $[ -x*(14*x+1)/(x-1)^3$  ogf]  
A051869 29.1538  $-(17+28*x)/(14*x+1)/(x-1)$  lgdogf  
A051869 6.60767  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 17\},$   
ogf]  
A051870 12.4213  $[ -x*(15*x+1)/(x-1)^3$  ogf]  
A051870 28.3717  $-6*(3+5*x)/(15*x+1)/(x-1)$  lgdogf  
A051870 6.43244  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 18\},$   
ogf]  
A051871 12.4853  $[ -x*(16*x+1)/(x-1)^3$  ogf]  
A051871 28.5202  $-(19+32*x)/(16*x+1)/(x-1)$  lgdogf  
A051871 6.46559  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 19\},$   
ogf]  
A051872 12.6133  $[ -x*(17*x+1)/(x-1)^3$  ogf]  
A051872 26.6827  $-2*(10+17*x)/(17*x+1)/(x-1)$  lgdogf  
A051872 6.53190  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 20\},$   
ogf]  
A051873 12.2115  $[ -x*(18*x+1)/(x-1)^3$  ogf]  
A051873 26.8153  $-3*(7+12*x)/(18*x+1)/(x-1)$  lgdogf  
A051873 6.32379  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 21\},$   
ogf]  
A051874 12.2115  $[ -x*(19*x+1)/(x-1)^3$  ogf]  
A051874 25.8222  $-2*(11+19*x)/(19*x+1)/(x-1)$  lgdogf  
A051874 6.32379  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 22\},$   
ogf]  
A051875 12.2751  $[ -x*(20*x+1)/(x-1)^3$  ogf]  
A051875 28.0355  $-(23+40*x)/(20*x+1)/(x-1)$  lgdogf  
A051875 6.35673  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 23\},$   
ogf]  
A051876 12.4023  $[ -x*(21*x+1)/(x-1)^3$  ogf]  
A051876 28.3306  $-6*(4+7*x)/(21*x+1)/(x-1)$  lgdogf  
A051876 6.42261  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 24\},$   
ogf]  
A051877 22.4923  $-6*(2+5*x)/(6*x+1)/(x-1)$  lgdogf  
A051877 5.15875  $[ \{(n+3)*a(n+3)+(-2+5*n)*a(n+2)+(-36-6*n)*a(n+1), a(0) = 1, a(1)$   
 $= 12, a(2) = 57\},$  ogf]  
A051877 9.86610  $[ (6*x+1)/(x-1)^6$  ogf]  
A051878 22.6312  $-(13+35*x)/(7*x+1)/(x-1)$  lgdogf  
A051878 3.63710  $[ \{(n+3)*a(n+3)+(-1+6*n)*a(n+2)+(-42-7*n)*a(n+1), a(0) = 1, a(1)$   
 $= 13, a(2) = 63\},$  ogf]  
A051878 6.95596  $[ (7*x+1)/(x-1)^6$  ogf]  
A051879 21.9925  $-2*(7+20*x)/(8*x+1)/(x-1)$  lgdogf  
A051879 3.88374  $[ \{(n+3)*a(n+3)+7*n*a(n+2)+(-48-8*n)*a(n+1), a(0) = 1, a(1) = 14,$   
 $a(2) = 69\},$  ogf]  
A051879 7.03928  $[ (8*x+1)/(x-1)^6$  ogf]  
A051880 10.0439  $[ (9*x+1)/(x-1)^6$  ogf]  
A051880 22.1258  $-15*(3*x+1)/(9*x+1)/(x-1)$  lgdogf  
A051880 5.25169  $[ \{(n+3)*a(n+3)+(1+8*n)*a(n+2)+(-54-9*n)*a(n+1), a(0) = 1, a(1) =$   
 $15, a(2) = 75\},$  ogf]  
A051881 5.66453  $[ -(x^51+x^49+x^48+x^37-x^35+2*x^25-2*x^23-x^15-x^12-x^11-x^3-$   
 $x-1)/(x-1)/(x+1)/(x^48-x^12-1)$  ogf]  
A051885 7.14955  $[ x*(x^6+x^3+1)*(x^2+x+1)/(x-1)/(10*x^9-1)$  ogf]  
A051890 12.4901  $[ -2*(3*x^2-2*x+1)/(x-1)^3$  ogf]  
A051890 21.9584  $-(1+2*x+3*x^2)/(x-1)/(3*x^2-2*x+1)$  lgdogf  
A051890 6.80267  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 2, a(2) = 6\},$



ogf]  
 A051893 4.38975 [  $\{(n^3+2n^2+2n)*a(n)+(-n^3-6n^2-14n-10)*a(n+1)+(n+2)*a(n+2),$   
 $a(0) = 1, a(1) = 1\}$ , ogf]  
 A051895 12.6261 [  $x*(5*x+7)/(x-1)^4$  ogf]  
 A051895 23.2168  $-3*(11+5*x)/(5*x+7)/(x-1)$  lgdogf  
 A051895 5.36405 [  $\{(14+7*n)*a(n+3)+(-35-2*n)*a(n+2)+(-15-5*n)*a(n+1),$   
 $a(0) = 0, a(1) = 7, a(2) = 33\}$ , ogf]  
 A051916 6.56424  $(-4+18*x^{10}-10*x$   
 $+8*x^9-33*x^6-32*x^5-34*x^4-18*x^2+4*x^8-32*x^3)/(2*x^4-1)/$   
 $(3*x^7+2*x^6+2*x^5+2*x^4+6*x^3+5*x^2+4*x+3)$  lgdogf  
 A051916 8.87897 [  $-(3*x^7+2*x^6+2*x^5+2*x^4+6*x^3+5*x^2+4*x+3)/(2*x^4-1)$  ogf]  
 A051922 6.41237  $-6*(2+5*x)/(5*x+1)/(x-1)$  lgdogf  
 A051923 32.8870  $-3*(3+4*x)/(2*x+1)/(x-1)$  lgdogf  
 A051923 5.28624 [  $\{(-n-3)*a(n+3)+(7-n)*a(n+2)+(14+2*n)*a(n+1),$   
 $a(0) = 1, a(1) = 9, a(2) = 42\}$ , ogf]  
 A051923 9.02819 [  $-(2*x+1)/(x-1)^7$  ogf]  
 A051924 14.7552  $-1-4*x-2*x^2+((4*x^2+8*x+1)*(1+x)^2)^{(1/2)}$  revogf  
 A051924 3.51351 [  $\{(-8*n^2-28*n-24)*a(n+1)+(-2*n^2-18*n-36)*a(n+2)+(n^2+7*n$   
 $+12)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 14\}$ , ogf]  
 A051925 10.7255 [  $-x^2*(x-3)/(x-1)^4$  ogf]  
 A051925 33.2992  $-(-11+3*x)/(x-1)/(x-3)$  lgdogf  
 A051925 4.96684 [  $\{(-3-3*n)*a(n+3)+(11+4*n)*a(n+2)+(-2-n)*a(n+1),$   
 $a(0) = 0, a(1) = 0, a(2) = 3\}$ , ogf]  
 A051926 11.5438  $-(7+x^4+4*x^2-4*x^3)/(x^2-2*x-1)/(x^3-x^2-5*x+1)$  lgdogf  
 A051926 12.3996 [  $-(x^2-2*x-1)/(x^3-x^2-5*x+1)$  ogf]  
 A051926 6.69359 [  $\{-a(n+3)+5*a(n+2)+a(n+1)-a(n),$   
 $a(0) = 1, a(1) = 7, a(2) = 35\}$ , ogf]  
 A051927 11.1121  $-(-1-12*x+3*x^4-6*x^2+4*x^3)/(x+1)/(x^2+2*x-1)/(3*x^2+2*x-3)$   
 lgdogf  
 A051927 11.1507 [  $(3*x^2+2*x-3)/(x+1)/(x^2+2*x-1)$  ogf]  
 A051927 6.07317 [  $\{a(n+3)-a(n+2)-3*a(n+1)-a(n),$   
 $a(0) = 3, a(1) = 1, a(2) = 7\}$ , ogf]  
 A051928 12.2108 [  $(5*x^2+7*x-4)/(x+1)/(x^2+3*x-1)$  ogf]  
 A051928 6.59168 [  $\{a(n+3)-2*a(n+2)-4*a(n+1)-a(n),$   
 $a(0) = 4, a(1) = 1, a(2) = 13\}$ , ogf]  
 A051928 7.75294  $-(-1-22*x+5*x^4+6*x^2+14*x^3)/(x+1)/(5*x^2+7*x-4)/(x^2+3*x-1)$   
 lgdogf  
 A051929 11.9410 [  $(7*x^2+14*x-5)/(x+1)/(x^2+4*x-1)$  ogf]  
 A051929 6.55170 [  $\{a(n+3)-3*a(n+2)-5*a(n+1)-a(n),$   
 $a(0) = 5, a(1) = 1, a(2) = 21\}$ , ogf]  
 A051929 9.60555  $-(-1-36*x+7*x^4+34*x^2+28*x^3)/(x+1)/(7*x^2+14*x-5)/(x^2+4*x-1)$   
 lgdogf  
 A051930 12.1996 [  $(9*x^2+23*x-6)/(x+1)/(x^2+5*x-1)$  ogf]  
 A051930 6.69359 [  $\{a(n+3)-4*a(n+2)-6*a(n+1)-a(n),$   
 $a(0) = 6, a(1) = 1, a(2) = 31\}$ , ogf]  
 A051930 8.79528  $-(-1-54*x+9*x^4+84*x^2+46*x^3)/(x+1)/(9*x^2+23*x-6)/(x^2+5*x-1)$   
 lgdogf  
 A051931 11.8452 [  $(11*x^2+34*x-7)/(x+1)/(x^2+6*x-1)$  ogf]  
 A051931 6.60396 [  $\{a(n+3)-5*a(n+2)-7*a(n+1)-a(n),$   
 $a(0) = 7, a(1) = 1, a(2) = 43\}$ , ogf]  
 A051931 9.08743  $-(-1-76*x+11*x^4+162*x^2+68*x^3)/(x+1)/(x^2+6*x-1)/$   
 $(11*x^2+34*x-7)$  lgdogf  
 A051932 11.4319 [  $(13*x^2+47*x-8)/(x+1)/(x^2+7*x-1)$  ogf]  
 A051932 6.37356 [  $\{a(n+3)-6*a(n+2)-8*a(n+1)-a(n),$   
 $a(0) = 8, a(1) = 1, a(2) = 57\}$ , ogf]  
 A051932 8.54007  $-(-1-102*x+13*x^4+274*x^2+94*x^3)/(x+1)/(13*x^2+47*x-8)/$   
 $(x^2+7*x-1)$  lgdogf  
 A051936 13.1491 [  $(3*x^2-3*x-1)/(x-1)^3$  ogf]  
 A051936 25.3666  $-3*(-2+x^2)/(x-1)/(3*x^2-3*x-1)$  lgdogf  
 A051936 7.09817 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n),$   
 $a(0) = 1, a(1) = 6, a(2) = 12\}$ , ogf]

A051937 11.5171 [  $-(3x^2-3x-1)/(x-1)^4$  ogf]  
A051937 22.2727  $-( -7-3x+6x^2)/(x-1)/(3x^2-3x-1)$  lgdogf  
A051937 3.99337 [  $\{(-n-4)a(n+4)+(1-2n)a(n+3)+(15+6n)a(n+2)+(-9-3n)a(n+1), a(0) = 1, a(1) = 7, a(2) = 19, a(3) = 38\}$ , ogf]  
A051938 13.4713 [  $(3x^2-x-3)/(x-1)^3$  ogf]  
A051938 23.7066  $-( -10+4x+3x^2)/(x-1)/(3x^2-x-3)$  lgdogf  
A051938 7.20835 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 3, a(1) = 10, a(2) = 18\}$ , ogf]  
A051939 11.3926 [  $-(3x^2-x-3)/(x-1)^4$  ogf]  
A051939 22.6778  $-( -13+3x+6x^2)/(x-1)/(3x^2-x-3)$  lgdogf  
A051939 3.91090 [  $\{(-3n-12)a(n+4)+(19+2n)a(n+3)+(5+4n)a(n+2)+(-9-3n)a(n+1), a(0) = 3, a(1) = 13, a(2) = 31, a(3) = 58\}$ , ogf]  
A051940 13.2752 [  $(2x^2+3x-6)/(x-1)^3$  ogf]  
A051940 21.4632  $-( -15+10x+2x^2)/(x-1)/(2x^2+3x-6)$  lgdogf  
A051940 7.10340 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 6, a(1) = 15, a(2) = 25\}$ , ogf]  
A051941 11.1588 [  $-(2x^2+3x-6)/(x-1)^4$  ogf]  
A051941 20.4057  $-( -21+13x+4x^2)/(x-1)/(2x^2+3x-6)$  lgdogf  
A051941 3.81168 [  $\{(-6n-24)a(n+4)+(48+9n)a(n+3)+(-15-n)a(n+2)+(-6-2n)a(n+1), a(0) = 6, a(1) = 21, a(2) = 46, a(3) = 82\}$ , ogf]  
A051942 13.8944 [  $x*(9x-10)/(x-1)^3$  ogf]  
A051942 30.5438  $-3*(-7+6x)/(x-1)/(9x-10)$  lgdogf  
A051942 7.13165 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 10, a(2) = 21\}$ , ogf]  
A051943 11.6094 [  $-x*(9x-10)/(x-1)^4$  ogf]  
A051943 29.0388  $-( -31+27x)/(x-1)/(9x-10)$  lgdogf  
A051943 4.91168 [  $\{(-20-10n)a(n+3)+(50+19n)a(n+2)+(-27-9n)a(n+1), a(0) = 0, a(1) = 10, a(2) = 31\}$ , ogf]  
A051944 8.52466  $-3/8-3/2x-1/2x^2+1/8*((4x^2+12x+1)*(3+2x)^2)^{(1/2)}$  revogf  
A051945 8.96123  $-2/9-8/9x-2/9x^2+1/9*((4x^2+16x+1)*(x+2)^2)^{(1/2)}$  revogf  
A051946 27.9012  $-(11+24x)/(1+4x)/(x-1)$  lgdogf  
A051946 4.46643 [  $\{(n+3)a(n+3)+(-5+3n)a(n+2)+(-28-4n)a(n+1), a(0) = 1, a(1) = 11, a(2) = 56\}$ , ogf]  
A051946 7.67825 [  $-(4x+1)/(x-1)^7$  ogf]  
A051947 32.0311  $-2*(5+9x)/(3x+1)/(x-1)$  lgdogf  
A051947 5.11668 [  $\{(n+3)a(n+3)+(-6+2n)a(n+2)+(-21-3n)a(n+1), a(0) = 1, a(1) = 10, a(2) = 49\}$ , ogf]  
A051947 8.79609 [  $-(3x+1)/(x-1)^7$  ogf]  
A051958 15.9433 [  $-x/(4x+1)/(6x-1)$  ogf]  
A051958 16.1235  $1/48/x*(-2x-1+(100x^2+4x+1)^{(1/2)})$  revogf  
A051958 22.0952  $-2*(1+24x)/(1+4x)/(6x-1)$  lgdogf  
A051958 7.38834 [  $\{-a(n+2)+2a(n+1)+24a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A051959 9.16983 [  $-(6x+1)/(x^2+2x-1)/(x-1)^2$  ogf]  
A051959 9.86373  $-2*(-5-x+11x^2+9x^3)/(x-1)/(6x+1)/(x^2+2x-1)$  lgdogf  
A051960 15.4930  $-1-2x-2x^2+((1+x+x^2)*(2x+1)^2)^{(1/2)}$  revogf  
A051960 4.16313 [  $\{(-4n^2-14n-12)a(n+1)+(5n^2+30n+45)a(n+2)+(-n^2-7n-12)a(n+3), a(0) = 2, a(1) = 5, a(2) = 16\}$ , ogf]  
A052036 7.07354 [  $-x^{10}*(2x^{10}+3x^9+4x^8+5x^7+6x^6+7x^5+8x^4+9x^3+10x^2+1)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A052101 11.3153 [  $-(x-1)^2/(3x^3-3x^2+3x-1)$  ogf]  
A052101 14.3935  $-( -1+3x-9x^2+3x^3)/(x-1)/(3x^3-3x^2+3x-1)$  lgdogf  
A052101 6.16279 [  $\{a(n+3)-3a(n+2)+3a(n+1)-3a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
A052102 12.7077 [  $x*(x-1)/(3x^3-3x^2+3x-1)$  ogf]  
A052102 14.5703  $-2*(-1+3x-6x^2+3x^3)/(x-1)/(3x^3-3x^2+3x-1)$  lgdogf  
A052102 6.52559 [  $\{-a(n+3)+3a(n+2)-3a(n+1)+3a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A052103 17.3287 [  $-x^2/(3x^3-3x^2+3x-1)$  ogf]  
A052103 19.0147  $-3*(-2x+1+3x^2)/(3x^3-3x^2+3x-1)$  lgdogf  
A052103 6.45888 [  $\{a(n+3)-3a(n+2)+3a(n+1)-3a(n), a(0) = 0, a(1) = 0, a(2) =$

1}], ogf]  
A052124 32.7768  $-1-2*x+(1-x)*f(x)$  lgdegf  
A052124 4.24768 [  $\{(2*n+4)*a(n+1)+(n+3)*a(n+2)-a(n+3)$ ,  $a(0) = 1$ ,  $a(1) = 1$ ,  $a(2) = 4$ }, ogf]  
A052127 3.95945 [  $\{(2*n^3+14*n^2+32*n+24)*a(n+1)+(n^2+6*n+9)*a(n+2)-a(n+3)$ ,  $a(0) = 1$ ,  $a(1) = 1$ ,  $a(2) = 8$ }, ogf]  
A052140 3.58937 [  $\{(16*n^3+112*n^2+256*n+192)*a(n+1)+(-4*n^2-28*n-48)*a(n+2)+a(n+3)$ ,  $a(0) = 1$ ,  $a(1) = 8$ ,  $a(2) = 160$ }, ogf]  
A052141 3.00967 [  $\{(-8*n^2-8*n)*a(n)+(36*n^2+84*n+48)*a(n+1)+(-38*n^2-166*n-180)*a(n+2)+(3*n^2+15*n+18)*a(n+3)$ ,  $a(0) = 1$ ,  $a(1) = 3$ ,  $a(2) = 26$ }, ogf]  
A052142 14.1766  $-1+4*x-4*x^2+(48*x^2+1-12*x-64*x^3)*f(x)^2$  lgdegf  
A052143 32.5547  $-3+4*x+(1-4*x)*f(x)$  lgdegf  
A052143 4.63310 [  $\{(4*n+8)*a(n+1)+(-4*n-11)*a(n+2)+a(n+3)$ ,  $a(0) = 1$ ,  $a(1) = 3$ ,  $a(2) = 17$ }, ogf]  
A052145 2.76877 [  $\{(8*n^4+68*n^3+216*n^2+304*n+160)*a(n+1)+(4*n^4+54*n^3+272*n^2+612*n+522)*a(n+2)+(-n^2-7*n-12)*a(n+3)$ ,  $a(0) = 1$ ,  $a(1) = 9$ ,  $a(2) = 200$ }, ogf]  
A052149 10.1587 [  $-2*x*(x+2)/(x-1)^5$  ogf]  
A052149 35.7653  $-(4*x+11)/(x+2)/(x-1)$  lgdogf  
A052149 5.04572 [  $\{(4+2*n)*a(n+3)+(-12-n)*a(n+2)+(-4-n)*a(n+1)$ ,  $a(0) = 0$ ,  $a(1) = 4$ ,  $a(2) = 22$ }, ogf]  
A052150 12.3706 [  $1/(3*x-1)/(x-1)^3$  ogf]  
A052150 24.7210  $-6*(-1+2*x)/(3*x-1)/(x-1)$  lgdogf  
A052150 4.12353 [  $\{(-n-3)*a(n+3)+(14+4*n)*a(n+2)+(-15-3*n)*a(n+1)$ ,  $a(0) = 1$ ,  $a(1) = 6$ ,  $a(2) = 24$ }, ogf]  
A052153 10.4786 [  $-(4*x^2-5*x-1)/(x-1)^4$  ogf]  
A052156 14.8679 [  $-(x-1)^2/(3*x-1)$  ogf]  
A052156 31.2320  $(3*x+1)/(3*x-1)/(x-1)$  lgdogf  
A052156 7.96495 [  $\{-a(n+3)+3*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 1$ ,  $a(2) = 4$ }, ogf]  
A052161 18.7233  $-(-7+16*x)/(4*x-1)/(x-1)$  lgdogf  
A052161 3.01531 [  $\{(-n-3)*a(n+3)+(17+5*n)*a(n+2)+(-20-4*n)*a(n+1)$ ,  $a(0) = 1$ ,  $a(1) = 7$ ,  $a(2) = 34$ }, ogf]  
A052161 9.04592 [  $1/(4*x-1)/(x-1)^3$  ogf]  
A052169 3.16004 [  $\{(-n^2-4*n-4)*a(n+1)+(-2*n^2-12*n-18)*a(n+2)+(-n^2-7*n-14)*a(n+3)+(n+4)*a(n+4)$ ,  $a(0) = 1$ ,  $a(1) = 2$ ,  $a(2) = 5$ ,  $a(3) = 19$ }, ogf]  
A052177 8.11872  $-2*((6*x-1)^(1/2))*(-1+2*x)^(1/2)+1)/((6*x-1)^(1/2))/(-1+2*x)^(1/2)/x$  lgdogf  
A052181 19.4497  $-12*(2*x+1)/(3*x+1)/(x-1)$  lgdogf  
A052181 3.26114 [  $\{(n+3)*a(n+3)+(-8+2*n)*a(n+2)+(-27-3*n)*a(n+1)$ ,  $a(0) = 1$ ,  $a(1) = 12$ ,  $a(2) = 72$ }, ogf]  
A052181 4.57756 [  $-(3*x+1)/(x-1)^9$  ogf]  
A052183 3.07691 [  $\{(135*n^2+405*n+300)*a(n+1)+(-47*n^2-232*n-285)*a(n+2)+(4*n^2+26*n+42)*a(n+3)$ ,  $a(0) = 2$ ,  $a(1) = 3$ ,  $a(2) = 12$ }, ogf]  
A052203 4.46794 [  $\{(256*n^3+1408*n^2+2544*n+1512)*a(n+1)+(-27*n^3-162*n^2-321*n-210)*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 5$ }, ogf]  
A052206 21.8616  $-8*(2+7*x)/(8*x+1)/(x-1)$  lgdogf  
A052206 3.49060 [  $\{(n+3)*a(n+3)+(-2+7*n)*a(n+2)+(-64-8*n)*a(n+1)$ ,  $a(0) = 1$ ,  $a(1) = 16$ ,  $a(2) = 100$ }, ogf]  
A052206 5.48523 [  $(8*x+1)/(x-1)^8$  ogf]  
A052208 10.0886 [  $(x^2+1)*x/(x^2+14*x-1)/(x^2-2*x-1)$  ogf]  
A052208 9.95640  $-2*(-6-31*x+x^5+6*x^4+24*x^2+2*x^3)/(1+x^2)/(x^2+14*x-1)/(x^2-2*x-1)$  lgdogf  
A052209 6.50968  $-2*(28-211*x+x^5-28*x^4+112*x^2-2*x^3)/(x-1)/(x+1)/(x^2-4*x+1)/(x^2-52*x+1)$  lgdogf  
A052209 7.22872 [  $-4*(x-1)*(x+1)/(x^2-4*x+1)/(x^2-52*x+1)$  ogf]  
A052226 21.3251  $-(15+49*x)/(7*x+1)/(x-1)$  lgdogf  
A052226 3.42926 [  $\{(n+3)*a(n+3)+(-3+6*n)*a(n+2)+(-56-7*n)*a(n+1)$ ,  $a(0) = 1$ ,  $a(1) = 15$ ,  $a(2) = 92$ }, ogf]  
A052226 5.35385 [  $(7*x+1)/(x-1)^8$  ogf]  
A052244 15.9548  $-4*(-2+5*x)/(5*x-1)/(x-1)$  lgdogf

A052244 8.04771 [  $1/(5*x-1)/(x-1)^3$  ogf]  
A052245 14.2150 [  $-10*x/(x-1)/(10*x-1)^2$  ogf]  
A052245 18.4683  $-3*(-7+10*x)/(10*x-1)/(x-1)$  lgdogf  
A052245 6.09216 [  $\{a(n+3)-21*a(n+2)+120*a(n+1)-100*a(n), a(0) = 0, a(1) = 10, a(2) = 210\}$ , ogf]  
A052254 21.8616  $-(17+63*x)/(9*x+1)/(x-1)$  lgdogf  
A052254 3.49060 [  $\{(n+3)*a(n+3)+(-1+8*n)*a(n+2)+(-72-9*n)*a(n+1), a(0) = 1, a(1) = 17, a(2) = 108\}$ , ogf]  
A052254 5.48523 [  $(9*x+1)/(x-1)^8$  ogf]  
A052255 20.6573  $-(13+32*x)/(1+4*x)/(x-1)$  lgdogf  
A052255 3.32345 [  $\{(n+3)*a(n+3)+(-7+3*n)*a(n+2)+(-36-4*n)*a(n+1), a(0) = 1, a(1) = 13, a(2) = 81\}$ , ogf]  
A052255 4.66503 [  $-(4*x+1)/(x-1)^9$  ogf]  
A052262 10.1611  $-(13+40*x)/(10*x-1)/(x-1)$  lgdogf  
A052262 13.4418 [  $x/(10*x-1)/(x-1)^3$  ogf]  
A052262 4.62609 [  $\{(n+2)*a(n+3)+(-24-11*n)*a(n+2)+(40+10*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 13\}$ , ogf]  
A052267 15.4530  $-6*(1+3*x+3*x^2+5*x^3)/(x-1)/(x+1)/(3*x^2+1)$  lgdogf  
A052267 6.21182 [  $-(3*x^2+1)/(x+1)^3/(x-1)^9$  ogf]  
A052268 12.7494  $1/2+5*x-1/2*(1+16*x+100*x^2)^{(1/2)}$  revogf  
A052268 16.5289 [  $-9/(10*x-1)$  ogf]  
A052268 27.0926  $9/(10*x-1)/(x-1)$  lgdogf  
A052268 8.10851 [  $\{a(n+1)-10*a(n), a(0) = 9\}$ , ogf]  
A052276 5.50684 [  $(5*x^7-8*x^6-9*x^5+19*x^4+3*x^3-8*x^2+x+3)/(x+1)^3/(x-1)^4$  ogf]  
A052276 7.60821  $(-4-6*x-9*x^6+14*x^4-7*x^2+3*x^7-39*x^3)/(x-1)/(x+1)/(5*x^7-8*x^6-9*x^5+19*x^4+3*x^3-8*x^2+x+3)$  lgdogf  
A052282 19.5258 [  $-x^{11}+x^3+2*x^2+2*x+1$  ogf\_with\_Euler\_transform]  
A052282 6.59653 [  $-(x^2-x+1)*(x^4-x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A052282 8.25593  $-(1+5*x+3*x^9+6*x^6+7*x^5-5*x^4+6*x^2+x^8+2*x^7+4*x^3)/(x-1)/(x+1)/(1+x^2+x)/(x^2-x+1)/(x^4-x^2+1)$  lgdogf  
A052341 7.06267  $-(1+8*x+26*x^6+36*x^5+31*x^4+18*x^2+x^8+8*x^7+24*x^3)/(x+1)/(x^2+x+1)/(x^4+4*x^3+7*x^2+4*x+1)/(x^2-x-1)$  lgdogf  
A052341 7.32117 [  $-(x^4+4*x^3+7*x^2+4*x+1)/(x+1)/(x^2+x+1)/(x^2-x-1)$  ogf]  
A052379 14.6486  $-1/16*(-8-9*x+(64+144*x+49*x^2)^{(1/2)})/x$  revogf  
A052379 18.1128 [  $8/(8*x-1)/(x-1)$  ogf]  
A052379 24.4143  $-(-9+16*x)/(8*x-1)/(x-1)$  lgdogf  
A052379 7.20146 [  $\{-a(n+2)+9*a(n+1)-8*a(n), a(0) = 8, a(1) = 72\}$ , ogf]  
A052380 21.0987 [  $6/(x^2+x+1)/(x-1)^2$  ogf]  
A052380 30.3004  $-(1+x+4*x^2)/(x-1)/(x^2+x+1)$  lgdogf  
A052380 34.4708 [  $[x^2+1]$  ogf\_with\_Euler\_transform]  
A052380 6.92038 [  $\{-a(n+4)+a(n+3)+a(n+1)-a(n), a(0) = 6, a(1) = 6, a(2) = 6, a(3) = 12\}$ , ogf]  
A052382 43.7631 [  $-x^9+x^8+2$  ogf\_with\_Euler\_transform]  
A052383 7.15059 [  $-x*(10*x^{17}-11*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-2)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A052386 15.2888  $-1/18*(-9-10*x+(16*x+9)^{(1/2)}*(4*x+9)^{(1/2)})/x$  revogf  
A052386 18.7478 [  $9*x/(x-1)/(9*x-1)$  ogf]  
A052386 29.3035  $-2*(9*x-5)/(9*x-1)/(x-1)$  lgdogf  
A052386 8.68802 [  $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 0, a(1) = 9\}$ , ogf]  
A052387 16.4655  $-(-8-2*x-3*x^2+5*x^3)/(x-1)/(x^3-x^2-1)$  lgdogf  
A052387 5.93144 [  $-x*(x^3-x^2-1)/(x-1)^8$  ogf]  
A052404 6.67033 [  $-x*(10*x^{26}-10*x^{17}-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-1)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A052421 7.84056 [  $x*(x+1)*(x^7+x^6+x^4+x^2+1)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A052428 4.28364 [  $-(x^{31}-x^{30}+x^{27}-x^{24}+x^{21}-x^{20}+x^{17}-x^{15}+x^{12}+3*x^{11}-3*x^{10}+3*x^9-4*x^8+4*x^7-4*x^6+5*x^4+7*x^3-3*x^2-9*x-1)/(x-1)^2$  ogf]  
A052454 8.26161 [  $-(x-1)*(x^4+4*x^3+17*x^2+4*x+1)/(x^6-38*x^3+1)$  ogf]  
A052459 10.7612  $-(15+85*x+2*x^4+107*x^2+31*x^3)/(x-1)/(1+3*x+x^2)/(x^2+6*x+1)$  lgdogf

A052459 6.38130 [  $(x^2+3x+1)(x^2+6x+1)/(x-1)^6$  ogf]  
A052460 4.17936 [  $(x^6+42x^5+303x^4+568x^3+303x^2+42x+1)/(x-1)^8$  ogf]  
A052460 5.97473  $-2*(25+450x+x^6+66x^5+711x^4+1761x^3+2026x^2)/(x-1)/(x^6+42x^5+303x^4+568x^3+303x^2+42x+1)$  lgdogf  
A052462 5.06545 [  $\{-a(n+3)+a(n+2)+25a(n+1)-25a(n), a(0) = 4, a(1) = 24, a(2) = 99\}$ , ogf]  
A052462 7.77587  $-(24+150x+625x^2+225x^3)/(x-1)/(5x+1)/(5x-1)/(25x^2-20x-4)$  lgdogf  
A052462 9.03988 [  $-(25x^2-20x-4)/(x-1)/(5x+1)/(5x-1)$  ogf]  
A052463 4.36555 [  $\{-a(n+3)+50a(n+2)-49a(n+1), a(0) = 0, a(1) = 47, a(2) = 2301\}$ , ogf]  
A052463 8.81347 [  $-x(49x-47)/(49x-1)/(x-1)$  ogf]  
A052463 9.00385  $-1/98*(-47-50x+(2209+4504x+2304x^2)^{1/2})/(1+x)$  revogf  
A052463 9.56659  $-(2301-4606x+2401x^2)/(x-1)/(49x-47)/(49x-1)$  lgdogf  
A052465 3.88162 [  $\{-a(n+3)+a(n+2)+121a(n+1)-121a(n), a(0) = 6, a(1) = 116, a(2) = 721\}$ , ogf]  
A052465 5.34947  $-(116+1210x+14641x^2+11253x^3-26620x^4)/(x-1)/(11x+1)/(11x-1)/(121x^2-110x-6)$  lgdogf  
A052465 6.75065 [  $-(121x^2-110x-6)/(x-1)/(11x+1)/(11x-1)$  ogf]  
A052466 4.03286 [  $\{-a(n+3)+a(n+2)+169a(n+1)-169a(n), a(0) = 6, a(1) = 162, a(2) = 1007\}$ , ogf]  
A052466 5.61042  $-(162+1690x+28561x^2+23491x^3-52728x^4)/(x-1)/(13x-1)/(13x+1)/(169x^2-156x-6)$  lgdogf  
A052466 7.07212 [  $-(169x^2-156x-6)/(x-1)/(13x-1)/(13x+1)$  ogf]  
A052470 6.82155 [  $(2x^48-2x^47+2x^38-2x^37+2x^32-2x^31+4x^20-4x^19+4x^18+x^17-5x^16+24x^12-23x^5)/(x-1)$  ogf]  
A052472 14.2992  $-(-35+42x-21x^2+4x^3)/(x-1)/(x-2)/(2x^2-5x+5)$  lgdogf  
A052472 5.99831 [  $\{(n^2+9n+14)a(n+1)+(-n^2-5n-4)a(n+2), a(0) = 0, a(1) = 10\}$ , ogf]  
A052472 7.80425 [  $x^2(x-2)(2x^2-5x+5)/(x-1)^5$  ogf]  
A052481 11.1252 [  $-(8x^2-4x+1)/(2x-1)^3$  ogf]  
A052481 19.3268  $-2*(1+8x^2)/(-1+2x)/(8x^2-4x+1)$  lgdogf  
A052481 6.10412 [  $\{a(n+3)-6a(n+2)+12a(n+1)-8a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A052482 12.3287 [  $-(4x^2-6x+3)/(2x-1)^3$  ogf]  
A052482 16.7327  $-4*(3-4x+2x^2)/(-1+2x)/(4x^2-6x+3)$  lgdogf  
A052482 18.1271  $1/2*(-1+(2x+1)^{1/3})/(2x+1)^{1/3}$  revogf  
A052482 6.64676 [  $\{a(n+3)-6a(n+2)+12a(n+1)-8a(n), a(0) = 3, a(1) = 12, a(2) = 40\}$ , ogf]  
A052501 107.524  $1+x^4$  lgdegf  
A052502 5.49355 [  $\{(9n^2+27n+20)a(n+1)-a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A052503 4.05538 [  $\{(8n^3+48n^2+94n+60)a(n+1)+(2n+5)a(n+2)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 9\}$ , ogf]  
A052505 3.35136 [  $\{(-243n^4-1458n^3-3267n^2-3240n-1200)a(n+1)+(8n^2+28n+24)a(n+2), a(0) = 1, a(1) = 3\}$ , egf]  
A052506 11.1232  $-n^2a(n)+(-2n-3n^2)a(n+1)+(6n+4+2n^2)a(n+2), a(0)=0, a(1)=2$  lgdegf  
A052512 14.4511  $(n+3)a(n+3)+n^2a(n+2)-a(n+1), a(0)=1, a(1)=2, a(2)=3/2$  lgdegf  
A052515 10.4709 [  $2x^4(2x-3)/(2x-1)/(x-1)^2$  ogf]  
A052515 15.9681  $-2*(5-10x+4x^2)/(x-1)/(-1+2x)/(2x-3)$  lgdogf  
A052515 3.75719 [  $\{(-2n-4)a(n+1)+(3n+4)a(n+2)+(-n-1)a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 6\}$ , ogf]  
A052516 6.24788 [  $2x^6(6x^2-15x+10)/(2x-1)/(x-1)^3$  ogf]  
A052516 9.04454  $-(-35+98x-84x^2+24x^3)/(-1+2x)/(x-1)/(6x^2-15x+10)$  lgdogf  
A052517 4.85548 [  $\{a(n)n^2+(-2n-1)a(n+1)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A052518 3.30129 [  $\{(-n^3+n)a(n)+(2n^2+n-1)a(n+1)-a(n+2)*n, a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 6\}$ , ogf]  
A052520 14.6548 [  $x^4/(x-1)^2$  egf]  
A052520 3.73950 [  $\{(-n^2-n+2)a(n+1)+(-2+n)a(n+2), a(0) = 0, a(1) = 0, a(2) = 0,$

$a(3) = 0, a(4) = 24$ }, ogf]  
A052520 67.7784  $-2/(x-1)$  lgdegf  
A052521 14.1690  $[x^6/(x-1)^2]$  egf]  
A052521 3.12055  $[{-n^2+n+6} * a(n+1) + (-4+n) * a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 720$ }, ogf]  
A052521 66.2805  $-2/(x-1)$  lgdegf  
A052522 5.95959  $(2*n-n^2)*a(n) + (-2*n-2)*a(n+1) + (6*n+4+2*n^2)*a(n+2) + (-5*n-6-n^2)*a(n+3), a(0)=0, a(1)=1, a(2)=0$  revegf  
A052524 13.1831  $a(n+4)-a(n+3), a(0)=0, a(1)=1, a(2)=0, a(3)=-1$  revegf  
A052527 11.7207  $[-(x-1)/(x^4-x^3-x^2-x+1)]$  ogf]  
A052527 15.3072  $-x*(2+3*x^3+2*x-6*x^2)/(x-1)/(x^4-x^3-x^2-x+1)$  lgdogf  
A052528 12.7703  $[-(x-1)/(2*x^3-2*x^2-2*x+1)]$  ogf]  
A052528 14.4208  $-(1+4*x-8*x^2+4*x^3)/(x-1)/(2*x^3-2*x^2-2*x+1)$  lgdogf  
A052528 6.04310  $[{-a(n+3)+2*a(n+2)+2*a(n+1)-2*a(n), a(0) = 1, a(1) = 1, a(2) = 4}$ }, ogf]  
A052529 20.4945  $(2*x+1)/(x-1)/(x^3-3*x^2+4*x-1)$  lgdogf  
A052529 4.87490  $[{a(n+4)-4*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 13}$ }, ogf]  
A052529 9.39655  $[ (x-1)^3/(x^3-3*x^2+4*x-1)]$  ogf]  
A052530 17.6603  $-(-2*x-1+(1+x)^{(1/2)}*(1+3*x)^{(1/2)})/x$  revogf  
A052530 17.9213  $[2*x/(x^2-4*x+1)]$  ogf]  
A052530 32.6716  $-2*(x-2)/(x^2+1-4*x)$  lgdogf  
A052530 8.18628  $[{a(n+2)-4*a(n+1)+a(n), a(0) = 0, a(1) = 2}$ }, ogf]  
A052531 11.4767  $[-(x^2+2*x-2)/(x-1)/(2*x-1)/(x+1)]$  ogf]  
A052531 12.0389  $-2*(1+x+x^4-6*x^2+4*x^3)/(x-1)/(-1+2*x)/(x+1)/(x^2+2*x-2)$  lgdogf  
A052531 6.25071  $[{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 2, a(1) = 2, a(2) = 5}$ }, ogf]  
A052532 12.7018  $[-(x-1)/(x^5-x^4-x^3-x+1)]$  ogf]  
A052532 15.9851  $-x^2*(4*x^3-8*x^2+3+2*x)/(x-1)/(x^5-x^4-x^3-x+1)$  lgdogf  
A052533 15.6437  $[ (x-1)/(3*x^2+x-1)]$  ogf]  
A052533 17.7863  $1/2/(3*x-1)*(-1-x+(1-2*x+13*x^2)^{(1/2)})$  revogf  
A052533 24.7738  $-3*x*(x-2)/(x-1)/(3*x^2+x-1)$  lgdogf  
A052533 8.69096  $[{-a(n+2)+a(n+1)+3*a(n), a(0) = 1, a(1) = 0}$ }, ogf]  
A052534 11.8744  $[-(x-1)*(x+1)/(x^3-x^2-2*x+1)]$  ogf]  
A052534 16.5808  $-(2+x^4-x^2)/(x-1)/(x+1)/(x^3-x^2-2*x+1)$  lgdogf  
A052534 6.04321  $[{a(n+3)-2*a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 4}$ }, ogf]  
A052535 12.5588  $[-(x-1)*(x+1)/(x^4-2*x^2-x+1)]$  ogf]  
A052535 13.4951  $-(1+2*x+2*x^5+x^2-4*x^3)/(x-1)/(x+1)/(x^4-2*x^2-x+1)$  lgdogf  
A052536 14.7214  $[-(x-1)/(x^3-3*x+1)]$  ogf]  
A052536 19.0965  $-(2-3*x^2+2*x^3)/(x-1)/(x^3-3*x+1)$  lgdogf  
A052536 7.04749  $[{-a(n+3)+3*a(n+2)-a(n), a(0) = 1, a(1) = 2, a(2) = 6}$ }, ogf]  
A052537 17.9526  $[ (x-1)/(2*x^3+x-1)]$  ogf]  
A052537 25.0152  $-2*x^2*(2*x-3)/(x-1)/(2*x^3+x-1)$  lgdogf  
A052537 8.78114  $[{-a(n+3)+a(n+2)+2*a(n), a(0) = 1, a(1) = 0, a(2) = 0}$ }, ogf]  
A052538 11.7531  $[-(x-1)/(3*x^3-3*x^2-2*x+1)]$  ogf]  
A052538 12.9730  $-(1+6*x-12*x^2+6*x^3)/(x-1)/(3*x^3-3*x^2-2*x+1)$  lgdogf  
A052538 5.56173  $[{-a(n+3)+2*a(n+2)+3*a(n+1)-3*a(n), a(0) = 1, a(1) = 1, a(2) = 5}$ }, ogf]  
A052539 13.3781  $[-(5*x-2)/(4*x-1)/(x-1)]$  ogf]  
A052539 15.5124  $-(5-16*x+20*x^2)/(x-1)/(4*x-1)/(5*x-2)$  lgdogf  
A052539 15.9317  $-1/2*(-2-5*x+(4+9*x^2)^{(1/2)})/(4*x+5)$  revogf  
A052539 7.34163  $[{a(n+2)-5*a(n+1)+4*a(n), a(0) = 2, a(1) = 5}$ }, ogf]  
A052540 17.0386  $[-(x-1)/(x^4-x^3-2*x+1)]$  ogf]  
A052540 20.1980  $-(1+3*x^4+3*x^2-6*x^3)/(x-1)/(x^4-x^3-2*x+1)$  lgdogf  
A052541 23.0225  $[ -1/(x^3+3*x-1)]$  ogf]  
A052541 32.4527  $-3*(x^2+1)/(-1+3*x+x^3)$  lgdogf  
A052541 8.08236  $[{-a(n+3)+3*a(n+2)+a(n), a(0) = 1, a(1) = 3, a(2) = 9}$ }, ogf]  
A052542 15.6982  $[ (x-1)*(x+1)/(x^2+2*x-1)]$  ogf]  
A052542 22.8933  $2*(x^2+1)/(x-1)/(x+1)/(x^2+2*x-1)$  lgdogf  
A052542 7.54131  $[{-a(n+3)+2*a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 4}$ }, ogf]

A052543 11.9645 [  $-(x-1)/(x+1)/(2x^2-4x+1)$  ogf]  
A052543 12.9426  $-2*(1+2x-4x^2+2x^3)/(x-1)/(x+1)/(2x^2-4x+1)$  lgdogf  
A052543 5.66178 [  $\{-a(n+3)+3a(n+2)+2a(n+1)-2a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A052544 10.6289 [  $-(x-1)^2/(x^3-3x^2+4x-1)$  ogf]  
A052544 14.7751  $-(-2+2x-3x^2+x^3)/(x-1)/(x^3-3x^2+4x-1)$  lgdogf  
A052544 5.78895 [  $\{-a(n+3)+4a(n+2)-3a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A052545 12.2506 [  $(x-1)^2/(x^3-3x+1)$  ogf]  
A052545 17.6694  $-(1+3x-3x^2+x^3)/(x-1)/(x^3-3x+1)$  lgdogf  
A052545 6.90723 [  $\{a(n+3)-3a(n+2)+a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A052546 11.3655 [  $-(x-1)/(2x^4-2x^3-x^2-x+1)$  ogf]  
A052546 13.3848  $-x*(2+6x^3+5x-12x^2)/(x-1)/(2x^4-2x^3-x^2-x+1)$  lgdogf  
A052547 15.3053 [  $-(x-1)/(x^3-2x^2-x+1)$  ogf]  
A052547 21.0597  $-x*(4-5x+2x^2)/(x-1)/(x^3-2x^2-x+1)$  lgdogf  
A052547 7.30795 [  $\{-a(n+3)+a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf]  
A052548 15.6343 [  $-(5x-3)/(2x-1)/(x-1)$  ogf]  
A052548 17.6842  $-1/2*(-3-3x+(9-2x+x^2)^{1/2})/(5+2x)$  revogf  
A052548 17.6842  $-2*(2-6x+5x^2)/(x-1)/(5x-3)/(-1+2x)$  lgdogf  
A052548 8.57982 [  $\{a(n+2)-3a(n+1)+2a(n), a(0) = 3, a(1) = 4\}$ , ogf]  
A052549 13.0880 [  $-(x^2-x-1)/(2x-1)/(x-1)$  ogf]  
A052549 18.3765  $-(4-6x+x^2)/(x-1)/(-1+2x)/(x^2-x-1)$  lgdogf  
A052549 6.80065 [  $\{-a(n+3)+3a(n+2)-2a(n+1), a(0) = 1, a(1) = 4, a(2) = 9\}$ , ogf]  
A052550 12.7481 [  $-(2x-1)/(2x^3-x^2-3x+1)$  ogf]  
A052550 14.0950  $-(1+2x-8x^2+8x^3)/(-1+2x)/(2x^3-x^2-3x+1)$  lgdogf  
A052550 6.03256 [  $\{-a(n+3)+3a(n+2)+a(n+1)-2a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A052551 20.9108 [  $1/(x-1)/(2x^2-1)$  ogf]  
A052551 24.4757  $-(-1-4x+6x^2)/(x-1)/(2x^2-1)$  lgdogf  
A052551 6.90802 [  $\{a(n+3)-a(n+2)-2a(n+1)+2a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A052552 13.3402 [  $-(2x^2+x-2)/(x-1)/(2x^2-1)$  ogf]  
A052552 14.5054  $-(1+4x+4x^4-12x^2+4x^3)/(x-1)/(2x^2-1)/(2x^2+x-2)$  lgdogf  
A052552 7.26564 [  $\{-a(n+3)+a(n+2)+2a(n+1)-2a(n), a(0) = 2, a(1) = 1, a(2) = 3\}$ , ogf]  
A052554 11.6469 [  $(x-1)/(x^2+x-1)$  egf]  
A052554 21.4699  $-x*(x-2)/(x-1)/(x^2+x-1)$  lgdegf  
A052555 16.8167 [  $-1/(x^2+2x-1)$  egf]  
A052555 27.1695  $-2*(x+1)/(x^2-1+2x)$  lgdegf  
A052555 3.88078 [  $\{(n^2+5n+6)*a(n+1)+(2n+6)*a(n+2)-a(n+3), a(0) = 1, a(1) = 2, a(2) = 10\}$ , ogf]  
A052556 15.8821 [  $-1/(x^3+x-1)$  egf]  
A052556 24.3968  $-(1+3x^2)/(-1+x+x^3)$  lgdegf  
A052556 3.17642 [  $\{(-n^3-9n^2-26n-24)*a(n+1)+(-n-4)*a(n+3)+a(n+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 12\}$ , ogf]  
A052557 11.0580 [  $(x-1)/(x^3+x-1)$  egf]  
A052557 16.3907  $-x^2*(-3+2x)/(x-1)/(-1+x+x^3)$  lgdegf  
A052557 5.40880 [  $\{-a(n+3)+a(n+2)+a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , egf]  
A052558 19.1310 [  $1/(x+1)/(x-1)^2$  egf]  
A052558 34.7742  $-(3x+1)/(x-1)/(x+1)$  lgdegf  
A052558 5.61784 [  $\{(-n^2-6n-8)*a(n+1)+a(n+3)-a(n+2), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A052559 10.0890 [  $-(x-1)/(x^3-x^2-2x+1)$  egf]  
A052559 12.4561  $-(1+2x-4x^2+2x^3)/(x-1)/(x^3-x^2-2x+1)$  lgdegf  
A052559 4.77427 [  $\{-a(n+3)+2a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$ , egf]  
A052560 27.8194 [  $-3/(x-1)$  egf]  
A052560 7.90323 [  $\{(-n-2)*a(n+1)+a(n+2), a(0) = 3, a(1) = 3\}$ , ogf]  
A052560 85.3900  $-1/(x-1)$  lgdegf  
A052561 11.6899 [  $-(3x-2)/(2x-1)/(x-1)$  egf]

A052561 13.9050  $-(3-8*x+6*x^2)/(x-1)/(-1+2*x)/(3*x-2)$  lgdegf  
A052562 24.8213  $[-1/(5*x-1)$  egf]  
A052562 5.85671  $[ \{ (-5*n-10)*a(n+1)+a(n+2), a(0) = 1, a(1) = 5 \},$  ogf]  
A052562 51.0157  $-5/(5*x-1)$  lgdegf  
A052563 14.0129  $[(x-1)/(3*x-1)$  egf]  
A052563 3.60053  $[ \{ (3*n^2+3*n)*a(n)+(-3*n^2-13*n-12)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 2 \},$  ogf]  
A052563 33.8096  $2/(3*x-1)/(x-1)$  lgdegf  
A052564 13.9322  $[ x*(x-1)/(2*x-1)$  egf]  
A052564 22.4955  $1/2+x-1/2*(1+4*x^2)^{1/2}$  revegf  
A052564 3.50442  $[ \{ (-4*n^2-8*n)*a(n+1)+(2*n^2+12*n+12)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 2 \},$  ogf]  
A052564 35.1493  $1/(-1+2*x)/(x-1)$  lgdegf  
A052565 14.6761  $(1+3*x^4+3*x^2-6*x^3)/(x-1)/(x^4-x^3-1)$  lgdegf  
A052565 15.1016  $[(x^4-x^3-1)/(x-1)$  egf]  
A052565 3.57476  $[ \{ (16*n^3+32*n^2-64*n-128)*a(n+1)+(-3*n^3-34*n^2-27*n+64)*a(n+2)+(3*n^2+9*n)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 12 \},$  ogf]  
A052566 12.7136  $[-(x+2)/(x-1)/(x+1)$  egf]  
A052566 16.9758  $-(1+4*x+x^2)/(x-1)/(x+2)/(x+1)$  lgdegf  
A052567 10.5253  $[(x-1)^2/(x^2-3*x+1)$  egf]  
A052567 22.7617  $-(x+1)/(x-1)/(x^2-3*x+1)$  lgdegf  
A052568 12.7176  $[-(x-1)/(x^2-3*x+1)$  egf]  
A052568 18.6911  $-(2-2*x+x^2)/(x-1)/(x^2-3*x+1)$  lgdegf  
A052569 13.4442  $[ 1/(x^2+x+1)/(x-1)^2$  egf]  
A052569 19.2583  $-(1+x+4*x^2)/(x-1)/(x^2+x+1)$  lgdegf  
A052570 18.5624  $[-x/(4*x-1)$  egf]  
A052570 52.9810  $-4/(4*x-1)$  lgdegf  
A052570 58.8678  $x/(1+4*x)$  revegf  
A052570 6.81405  $[ \{ (-4*n-4)*a(n)+a(n+1), a(0) = 0, a(1) = 1 \},$  ogf]  
A052571 14.8977  $[ x^3/(x-1)^2$  egf]  
A052571 4.27298  $[ \{ (-n^2-2*n)*a(n+1)+(-1+n)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6 \},$  ogf]  
A052571 68.5273  $-2/(x-1)$  lgdegf  
A052572 10.7394  $[ -(2*x^2-2*x-1)/(x-1)^2$  egf]  
A052572 19.9002  $-2*(x-2)/(x-1)/(2*x^2-2*x-1)$  lgdegf  
A052573 11.5847  $[ -2*(2*x-1)/(3*x-1)/(x-1)$  egf]  
A052573 13.0764  $-2*(1-3*x+3*x^2)/(x-1)/(3*x-1)/(-1+2*x)$  lgdegf  
A052574 12.2680  $[ -(2*x-1)/(x^2-3*x+1)$  egf]  
A052574 15.4428  $-(1-2*x+2*x^2)/(-1+2*x)/(x^2-3*x+1)$  lgdegf  
A052575 10.4162  $[-(x-1)/(2*x^3-2*x^2-2*x+1)$  egf]  
A052575 11.7500  $-(1+4*x-8*x^2+4*x^3)/(x-1)/(2*x^3-2*x^2-2*x+1)$  lgdegf  
A052575 4.92912  $[ \{-a(n+3)+2*a(n+2)+2*a(n+1)-2*a(n), a(0) = 1, a(1) = 1, a(2) = 4 \},$  egf]  
A052576 10.7357  $[ (x-1)*(2*x^2+x+1)/(2*x-1)$  egf]  
A052576 11.1845  $2*(1+x-4*x^2+4*x^3)/(-1+2*x)/(x-1)/(2*x^2+x+1)$  lgdegf  
A052577 16.1407  $[ 1/(3*x-1)/(x-1)$  egf]  
A052577 21.7213  $-2*(3*x-2)/(3*x-1)/(x-1)$  lgdegf  
A052577 3.64824  $[ \{ (3*n^2+15*n+18)*a(n+1)+(-4*n-12)*a(n+2)+a(n+3), a(0) = 1, a(1) = 4, a(2) = 26 \},$  ogf]  
A052578 23.8756  $[-4*x/(x-1)$  egf]  
A052578 67.0295  $-1/(x-1)$  lgdegf  
A052578 76.6051  $x/(x+4)$  revegf  
A052578 8.76447  $[ \{ (-n-1)*a(n)+a(n+1), a(0) = 0, a(1) = 4 \},$  ogf]  
A052579 11.5692  $-(1+2*x+x^4+6*x^2+2*x^3)/(x-1)/(x^2+x+1)/(2+x+x^2)$  lgdegf  
A052579 12.0538  $[-(x^2+x+2)/(x-1)/(x^2+x+1)$  egf]  
A052579 7.77154  $[ \{-a(n+3)+a(n), a(0) = 2, a(1) = 1, a(2) = 1 \},$  egf]  
A052580 11.6257  $[ (2*x-1)/(x^2+2*x-1)$  egf]  
A052580 16.5963  $-2*x*(x-1)/(-1+2*x)/(x^2-1+2*x)$  lgdegf  
A052581 12.1161  $[ (x-1)/(x^4+x-1)$  egf]  
A052581 19.3653  $-x^3*(3*x-4)/(x-1)/(x^4+x-1)$  lgdegf  
A052582 13.6877  $[ 2*x/(x-1)^2$  egf]



A052582 21.6352  $2*x/(1+(1+2*x)^{(1/2)})^2$  revegf  
A052582 4.56256  $[ \{ (-n^2-4*n-4)*a(n+1)+(n+1)*a(n+2), a(0) = 0, a(1) = 2 \}, ogf]$   
A052582 62.2013  $-2/(x-1)$  lgdegf  
A052583 10.4558  $[ x*(x-1)/(x^2+x-1)$  egf]  
A052583 14.0679  $1/2/(x-1)*(-x-1+(5*x^2+1-2*x)^{(1/2)})$  revegf  
A052583 21.1018  $-x*(x-2)/(x-1)/(x^2+x-1)$  lgdegf  
A052584 12.4286  $(2-6*x+5*x^2)/(-1+2*x)/(x-1)/(x^2-4*x+2)$  lgdegf  
A052584 14.2461  $[ (x^2-4*x+2)/(2*x-1)/(x-1)$  egf]  
A052584 3.47945  $[ \{ (-2*n^3-6*n^2-4*n)*a(n)+(2*n^3+19*n^2+48*n+36)*a(n+1)+(-3*n^2-19*n-27)*a(n+2)+(n+3)*a(n+3), a(0) = 2, a(1) = 2, a(2) = 6 \}, ogf]$   
A052585 20.4254  $[ -1/(x+1)/(2*x-1)$  egf]  
A052585 21.8663  $-(1+4*x)/(x+1)/(-1+2*x)$  lgdegf  
A052585 4.68083  $[ \{ (2*n^2+10*n+12)*a(n+1)+(n+3)*a(n+2)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 6 \}, ogf]$   
A052586 10.4558  $[ (x-1)*(x^2+x+1)/(x^3+x-1)$  egf]  
A052586 13.9043  $(1+2*x^3)/(x-1)/(x^2+x+1)/(-1+x+x^3)$  lgdegf  
A052586 4.49415  $[ \{-a(n+4)+a(n+3)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1\}, egf]$   
A052587 12.2358  $[ x^2*(x-1)/(2*x-1)$  egf]  
A052587 3.31693  $[ \{ (-6*n^2-6*n+12)*a(n+1)+(2*n^2+11*n+3)*a(n+2)+(-1-n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 2 \}, ogf]$   
A052587 34.0451  $1/(-1+2*x)/(x-1)$  lgdegf  
A052588 11.5217  $-x*(2+3*x^3+2*x-6*x^2)/(x-1)/(x^4-x^3-x^2-x+1)$  lgdegf  
A052588 8.83333  $[ -(x-1)/(x^4-x^3-x^2-x+1)$  egf]  
A052589 15.5029  $-1/4*(-1-3*x+(1+6*x+x^2)^{(1/2)})/x$  revegf  
A052589 20.6070  $[ x/(2*x-1)/(x-1)$  egf]  
A052589 22.2433  $-(4*x-3)/(-1+2*x)/(x-1)$  lgdegf  
A052589 4.75546  $[ \{ (-2*n^2-10*n-12)*a(n+1)+(3*n+9)*a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 6 \}, ogf]$   
A052590 12.0254  $[ -(x-1)/(2*x^2-4*x+1)$  egf]  
A052590 15.5827  $-(3-4*x+2*x^2)/(x-1)/(2*x^2-4*x+1)$  lgdegf  
A052591 12.3158  $[ x/(x+1)/(x-1)^2$  egf]  
A052591 27.2611  $-(3*x+1)/(x-1)/(x+1)$  lgdegf  
A052591 3.31862  $[ \{ (n^3+8*n^2+21*n+18)*a(n+1)+(n+3)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 2 \}, ogf]$   
A052592 15.2381  $[ (x-1)/(4*x-1)$  egf]  
A052592 3.91534  $[ \{ (4*n^2+4*n)*a(n)+(-4*n^2-17*n-16)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 3 \}, ogf]$   
A052592 36.8317  $3/(4*x-1)/(x-1)$  lgdegf  
A052593 10.0952  $-a(n+4)+a(n+3)+a(n), a(0)=1, a(1)=1, a(2)=1, a(3)=5$  lgdegf  
A052593 15.3468  $[ -1/(x^4+x-1)$  egf]  
A052594 10.3228  $[ x*(2*x+1)*(x-1)/(2*x-1)$  egf]  
A052594 13.8095  $(3-4*x+4*x^2)/(x-1)/(2*x+1)/(-1+2*x)$  lgdegf  
A052595 16.2266  $[ -1/(x^2+3*x-1)$  egf]  
A052595 26.2072  $-(3+2*x)/(x^2-1+3*x)$  lgdegf  
A052595 3.74459  $[ \{ (n^2+5*n+6)*a(n+1)+(3*n+9)*a(n+2)-a(n+3), a(0) = 1, a(1) = 3, a(2) = 20 \}, ogf]$   
A052596 11.8674  $[ (x^2-x+1)*(x^3-x-1)/(x-1)$  egf]  
A052596 12.1133  $(1+4*x^5-8*x^4+4*x^3)/(x-1)/(x^2-x+1)/(x^3-x-1)$  lgdegf  
A052597 17.0666  $[ -1/(x^3+x^2-1)$  egf]  
A052597 24.0961  $-x*(3*x+2)/(-1+x^2+x^3)$  lgdegf  
A052597 3.27440  $[ \{ (-n^3-9*n^2-26*n-24)*a(n+1)+(-n^2-7*n-12)*a(n+2)+a(n+4), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 6 \}, ogf]$   
A052598 11.2403  $[ (x-1)/(x+1)/(2*x-1)$  egf]  
A052598 16.0369  $-2*x*(x-2)/(x-1)/(-1+2*x)/(x+1)$  lgdegf  
A052599 16.2912  $[ -1/(x^3+2*x-1)$  egf]  
A052599 22.8716  $-(2+3*x^2)/(-1+2*x+x^3)$  lgdegf  
A052599 5.71924  $[ \{-a(n+3)+2*a(n+2)+a(n), a(0) = 1, a(1) = 2, a(2) = 4\}, egf]$   
A052600 14.2956  $[ 1/(x-1)/(2*x-1)/(x+1)$  egf]  
A052600 14.3716  $-2*(-1-x+3*x^2)/(x-1)/(-1+2*x)/(x+1)$  lgdegf  
A052600 4.72266  $[ \{ a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 1, a(1) = 2, a(2) = 5 \},$

egf]  
 A052601 11.7123 [  $(x-1)/(2x^3+x-1)$  egf]  
 A052601 15.7929  $-2x^2(-3+2x)/(x-1)/(2x^3+x-1)$  lgdegf  
 A052601 5.72886 [  $\{-a(n+3)+a(n+2)+2a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , egf]  
 A052602 20.8564  $-x(x-2)/(x-1)/(x^2+x-1)$  lgdegf  
 A052602 3.52097 [  $\{(n^2+3n+2)a(n)+(n+2)a(n+1)-a(n+2), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 0\}$ , ogf]  
 A052602 9.49998 [  $x^2(x-1)/(x^2+x-1)$  egf]  
 A052603 18.6475  $(2x+1)/(x-1)/(x^3-3x^2+4x-1)$  lgdegf  
 A052603 4.43335 [  $\{a(n+4)-4a(n+3)+3a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 13\}$ , egf]  
 A052603 8.54543 [  $(x-1)^3/(x^3-3x^2+4x-1)$  egf]  
 A052604 11.5615  $-(1+3x^4+3x^2-6x^3)/(x-1)/(x^4-x^3-2x+1)$  lgdegf  
 A052604 9.81636 [  $-(x-1)/(x^4-x^3-2x+1)$  egf]  
 A052605 16.7528  $-x^2(-3+2x)/(x-1)/(x^3+x-1)$  lgdegf  
 A052605 5.31279 [  $\{-a(n+3)+a(n+2)+a(n), a(0) = 0, a(1) = 1, a(2) = 0\}$ , egf]  
 A052605 9.97504 [  $x(x-1)/(x^3+x-1)$  egf]  
 A052606 10.3706 [  $(x-1)^2/(x^2-4x+1)$  egf]  
 A052606 20.7042  $-2(x+1)/(x-1)/(x^2-4x+1)$  lgdegf  
 A052606 5.38866 [  $\{-a(n+3)+4a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 8\}$ , egf]  
 A052607 10.3438 [  $(x-1)(x^2+x+1)/(x^3+x^2-1)$  egf]  
 A052607 14.2691  $x(2+x^3)/(x-1)/(x^2+x+1)/(-1+x^2+x^3)$  lgdegf  
 A052607 4.89481 [  $\{-a(n+4)+a(n+2)+a(n+1), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 0\}$ , egf]  
 A052608 12.0753 [  $(x-1)/(x^2+2x-1)$  egf]  
 A052608 17.1557  $-(-1-2x+x^2)/(x-1)/(x^2+2x-1)$  lgdegf  
 A052609 13.5285 [  $2x^2/(x-1)^2$  egf]  
 A052609 4.55050 [  $\{(-1+n)a(n+1)+(-n^2-n)a(n), a(0) = 0, a(1) = 0, a(2) = 4\}$ , ogf]  
 A052609 61.8332  $-2/(x-1)$  lgdegf  
 A052610 16.7744 [  $-1/(2x^3+x-1)$  egf]  
 A052610 24.6262  $-(1+6x^2)/(2x^3+x-1)$  lgdegf  
 A052610 3.33467 [  $\{(-2n^3-18n^2-52n-48)a(n+1)+(-n-4)a(n+3)+a(n+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 18\}$ , ogf]  
 A052611 17.5174 [  $-1/(2x^2+2x-1)$  egf]  
 A052611 23.6047  $-2(2x+1)/(2x^2-1+2x)$  lgdegf  
 A052611 3.98672 [  $\{(2n^2+10n+12)a(n+1)+(2n+6)a(n+2)-a(n+3), a(0) = 1, a(1) = 2, a(2) = 12\}$ , ogf]  
 A052612 11.5169 [  $-x(x+2)/(x-1)/(x+1)$  egf]  
 A052612 16.9758  $-(1+4x+x^2)/(x-1)/(x+2)/(x+1)$  lgdegf  
 A052612 19.5875  $(-1+(1+x^2+x)^{1/2})/(x+1)$  revegf  
 A052613 10.8333 [  $-(2x-1)/(x^3-x^2-2x+1)$  egf]  
 A052613 13.7886  $-x(2-5x+4x^2)/(-1+2x)/(x^3-x^2-2x+1)$  lgdegf  
 A052614 12.7675  $-a(n+4)+a(n), a(0)=1, a(1)=1, a(2)=1, a(3)=5$  lgdegf  
 A052614 13.3712 [  $1/(x^2+1)/(x+1)/(x-1)^2$  egf]  
 A052615 10.7994 [  $x^3(2x^2-2x-1)/(x-1)$  egf]  
 A052615 17.2523  $(3-4x+2x^2)/(x-1)/(2x^2-2x-1)$  lgdegf  
 A052616 13.1520 [  $-(2x+3)/(x-1)/(x+1)$  egf]  
 A052616 15.5073  $-2(1+3x+x^2)/(x-1)/(2x+3)/(x+1)$  lgdegf  
 A052617 10.3072 [  $-(x^2-x-1)/(2x-1)/(x-1)$  egf]  
 A052617 14.4519  $-(4-6x+x^2)/(-1+2x)/(x-1)/(x^2-x-1)$  lgdegf  
 A052618 18.3494 [  $-1/(x+1)/(x-1)^3$  egf]  
 A052618 30.3068  $-2(2x+1)/(x-1)/(x+1)$  lgdegf  
 A052618 5.34589 [  $\{(-n^2-7n-10)a(n+1)+a(n+3)-2a(n+2), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
 A052619 18.5942 [  $-3x^3/(x-1)$  egf]  
 A052619 4.90210 [  $\{(-n-2)a(n+1)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 18\}$ , ogf]  
 A052619 67.0295  $-1/(x-1)$  lgdegf  
 A052620 10.9071 [  $(x-1)^2/(x^3-3x+1)$  egf]  
 A052620 15.7365  $-(1+3x-3x^2+x^3)/(x-1)/(x^3-3x+1)$  lgdegf

A052620 6.14972 [ $\{a(n+3)-3a(n+2)+a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$ , egf]  
A052621 10.2018 [ $-(x^3+x^2+x+2)/(x-1)/(x+1)/(x^2+1)$  egf]  
A052621 8.13322 [ $-(1+2*x+x^6+2*x^5+3*x^4+3*x^2+8*x^3)/(x-1)/(x+1)/(1+x^2)/(x^3+x^2+x+2)$  lgdegf]  
A052622 11.2666 [ $(x-1)*(x+1)/(x^2+2*x-1)$  egf]  
A052622 16.3788  $2*(1+x^2)/(x-1)/(x+1)/(x^2+2*x-1)$  lgdegf  
A052622 4.11986 [ $\{(-n^2-3*n-2)*a(n)+(-2*n-4)*a(n+1)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A052623 22.0391  $-(x+1)/(x-1)/(x^2-3*x+1)$  lgdegf  
A052623 4.75760 [ $\{a(n+4)-3a(n+3)+a(n+2), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 3\}$ , egf]  
A052623 9.43174 [ $x*(x-1)^2/(x^2-3*x+1)$  egf]  
A052624 11.5460  $2*(-1-x+x^4+3*x^2-3*x^3)/(x-1)/(x^4-2*x^3+x^2+1)$  lgdegf  
A052624 8.71066 [ $(x^4-2*x^3+x^2+1)/(x-1)^2$  egf]  
A052625 16.3784  $-x^2*(x-3)/(x-1)/(x^3-x^2+2*x-1)$  lgdegf  
A052625 4.81817 [ $\{a(n+3)-2a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , egf]  
A052625 8.68851 [ $-(x-1)^2/(x^3-x^2+2*x-1)$  egf]  
A052626 11.6899 [ $-(5*x-3)/(2*x-1)/(x-1)$  egf]  
A052626 13.1919  $-2*(2-6*x+5*x^2)/(x-1)/(5*x-3)/(-1+2*x)$  lgdegf  
A052627 11.7166 [ $(x-1)/(x^2-x+1)/(x^3+x^2-1)$  egf]  
A052627 12.8597  $-x^4*(4*x-5)/(x-1)/(x^2-x+1)/(-1+x^2+x^3)$  lgdegf  
A052628 10.1620  $(2+3*x^4+3*x^2-6*x^3)/(x-1)/(x+1)/(x^3-2*x^2+2*x-2)$  lgdegf  
A052628 10.8213 [ $(x+1)*(x^3-2*x^2+2*x-2)/(x-1)$  egf]  
A052629 12.8439 [ $-(x-1)/(3*x^2-5*x+1)$  egf]  
A052629 16.6659  $-(4-6*x+3*x^2)/(x-1)/(3*x^2-5*x+1)$  lgdegf  
A052630 17.5144 [ $-1/(x^2+4*x-1)$  egf]  
A052630 28.3321  $-2*(x+2)/(x^2-1+4*x)$  lgdegf  
A052630 4.01372 [ $\{(n^2+5*n+6)*a(n+1)+(4*n+12)*a(n+2)-a(n+3), a(0) = 1, a(1) = 4, a(2) = 34\}$ , ogf]  
A052631 18.8650 [ $-x/(x^2+2*x-1)$  egf]  
A052631 20.2652  $1/2/x*(-1-2*x+(8*x^2+1+4*x)^(1/2))$  revegef  
A052631 34.4509  $-2*(x+1)/(x^2+2*x-1)$  lgdegf  
A052631 4.95039 [ $\{(n^2+5*n+6)*a(n+1)+(2*n+6)*a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A052632 14.7222  $-(1+5*x^4)/(x^2-x+1)/(-1+x^2+x^3)$  lgdegf  
A052632 15.0791 [ $-1/(x^2-x+1)/(x^3+x^2-1)$  egf]  
A052633 25.0552  $-(x-3)/(x-1)/(x^2-x-1)$  lgdegf  
A052633 9.13452 [ $-x^2*(x^2-x-1)/(x-1)^2$  egf]  
A052634 14.5631 [ $1/(x-1)/(2*x^2-1)$  egf]  
A052634 17.0018  $-(-1-4*x+6*x^2)/(x-1)/(2*x^2-1)$  lgdegf  
A052635 12.6534 [ $(3*x-1)/(x^2+3*x-1)$  egf]  
A052635 18.6911  $-x*(3*x-2)/(3*x-1)/(x^2+3*x-1)$  lgdegf  
A052636 4.39037 [ $\{-a(n+3)+a(n+2)+2a(n+1)-2a(n), a(0) = 2, a(1) = 1, a(2) = 3\}$ , egf]  
A052636 8.06100 [ $-(2*x^2+x-2)/(x-1)/(2*x^2-1)$  egf]  
A052636 8.72625  $-(1+4*x+4*x^4-12*x^2+4*x^3)/(x-1)/(2*x^2-1)/(2*x^2+x-2)$  lgdegf  
A052637 11.1881 [ $3*x*(x^2-x-1)/(x-1)$  egf]  
A052637 19.9715  $(2-2*x+x^2)/(x-1)/(x^2-x-1)$  lgdegf  
A052638 10.7222 [ $x^2*(2*x+1)*(x-1)/(2*x-1)$  egf]  
A052638 15.6219  $(3-4*x+4*x^2)/(x-1)/(2*x+1)/(-1+2*x)$  lgdegf  
A052639 12.4975 [ $(2*x-1)/(x^3+2*x-1)$  egf]  
A052639 16.3676  $-x^2*(4*x-3)/(-1+2*x)/(-1+2*x+x^3)$  lgdegf  
A052639 6.11291 [ $\{-a(n+3)+2a(n+2)+a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , egf]  
A052640 12.1120  $-(1+2*x-4*x^2+2*x^3)/(x-1)/(x^3-x^2-2*x+1)$  lgdegf  
A052640 4.66105 [ $\{a(n+3)-2a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$ , egf]  
A052640 9.07677 [ $-x*(x-1)/(x^3-x^2-2*x+1)$  egf]  
A052641 12.9619  $-2*(1+x-2*x^2+x^3)/(x-1)/(x^3-x^2-3*x+1)$  lgdegf  
A052641 4.73045 [ $\{-a(n+3)+3a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$ , egf]

A052641 9.99642 [  $-(x-1)/(x^3-x^2-3x+1)$  egf]  
A052642 17.8711  $(3-2x+x^2)/(x-1)/(x-2)/(x+1)$  lgdegf  
A052642 9.89157 [  $x^2*(x+1)*(x-2)/(x-1)$  egf]  
A052643 19.2140  $2*(2-2x+x^2)/(x-1)/(x^2-x-1)$  lgdegf  
A052643 8.24912 [  $(x^2-x-1)^2/(x-1)^2$  egf]  
A052644 17.0574  $-(-5+3x)/(x-1)/(3x^2-3x-1)$  lgdegf  
A052644 9.55555 [  $-(3x^2-3x-1)/(x-1)^2$  egf]  
A052645 19.1949  $(2-2x+x^2)/(x-1)/(x^2-x-1)$  lgdegf  
A052645 9.89157 [  $2*x^2*(x^2-x-1)/(x-1)$  egf]  
A052646 14.9774 [  $1/(x-1)/(x^2+x-1)$  egf]  
A052646 17.8775  $-(-2+3x^2)/(x-1)/(x^2+x-1)$  lgdegf  
A052646 5.25801 [  $\{-a(n+3)+2*a(n+2)-a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$ , egf]  
A052647 4.69685 [  $\{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 2, a(1) = 2, a(2) = 5\}$ ,  
egf]  
A052647 8.62372 [  $-(x^2+2x-2)/(x-1)/(2x-1)/(x+1)$  egf]  
A052647 9.02607  $-2*(1+x+x^4-6x^2+4x^3)/(x-1)/(-1+2x)/(x+1)/(x^2+2x-2)$  lgdegf  
A052648 19.1107 [  $-5x/(x-1)$  egf]  
A052648 68.1529  $-1/(x-1)$  lgdegf  
A052648 7.01532 [  $\{(-n-1)*a(n)+a(n+1), a(0) = 0, a(1) = 5\}$ , ogf]  
A052648 77.8890  $x/(5+x)$  revegf  
A052649 20.1400  $-(-5+x)/(x-1)/(x-2)/(x+1)$  lgdegf  
A052649 9.72221 [  $-(x+1)*(x-2)/(x-1)^2$  egf]  
A052650 14.9987 [  $-1/(2x-1)/(x-1)^2$  egf]  
A052650 21.7356  $-2*(3x-2)/(-1+2x)/(x-1)$  lgdegf  
A052650 3.80103 [  $\{(2*n^2+12*n+16)*a(n+1)+(-3*n-10)*a(n+2)+a(n+3), a(0) = 1, a(1) = 4, a(2) = 22\}$ , ogf]  
A052651 10.3669  $-x^2*(4x^3-8x^2+3+2x)/(x-1)/(x^5-x^4-x^3-x+1)$  lgdegf  
A052651 8.25408 [  $-(x-1)/(x^5-x^4-x^3-x+1)$  egf]  
A052652 18.3774 [  $-x^4/(2x-1)$  egf]  
A052652 4.40450 [  $\{(-2*n-4)*a(n+1)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 24\}$ , ogf]  
A052652 48.4494  $-2/(-1+2x)$  lgdegf  
A052653 10.3817 [  $(2x^2-1)/(x+1)/(2x-1)$  egf]  
A052653 14.2041  $(1+2x^2)/(-1+2x)/(x+1)/(-1+2x^2)$  lgdegf  
A052653 3.79631 [  $\{(2*n^2+6*n+4)*a(n)+(n+2)*a(n+1)-a(n+2), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A052654 17.5144 [  $1/(4x-1)/(x-1)$  egf]  
A052654 25.7565  $-(8x-5)/(4x-1)/(x-1)$  lgdegf  
A052654 3.95873 [  $\{(4*n^2+20*n+24)*a(n+1)+(-5*n-15)*a(n+2)+a(n+3), a(0) = 1, a(1) = 5, a(2) = 42\}$ , ogf]  
A052655 13.7804  $(-3+3x-3x^2+x^3)/(x-1)/(x^3-2x^2+x+1)$  lgdegf  
A052655 3.02812 [  $\{(-9*n^3-27*n^2+36)*a(n+1)+(n^3+16*n^2+15*n)*a(n+2)+(-n^2-3*n-2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A052655 8.61849 [  $x*(x^3-2x^2+x+1)/(x-1)^2$  egf]  
A052656 10.3228 [  $x*(4x^2-2x-1)/(2x-1)$  egf]  
A052656 13.0827  $4*(1-2x+2x^2)/(-1+2x)/(4x^2-2x-1)$  lgdegf  
A052657 13.2981 [  $x^2/(x+1)/(x-1)^2$  egf]  
A052657 26.9616  $-(3x+1)/(x-1)/(x+1)$  lgdegf  
A052657 3.28448 [  $\{(n^3+7*n^2+16*n+12)*a(n+1)+(n+3)*a(n+2)+(-1-n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A052658 13.0789  $-(1+x+2x^2)/(x-1)/(x+1)/(x^3-x^2-2x+1)$  lgdegf  
A052658 4.05089 [  $\{-a(n+4)+2*a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5\}$ , egf]  
A052658 7.74954 [  $(x+1)*(x-1)^2/(x^3-x^2-2x+1)$  egf]  
A052659 12.7494  $-(-1+2x^2)/(-1+2x)/(x-1)/(2x^2-4x+1)$  lgdegf  
A052659 5.11089 [  $\{-a(n+3)+4*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 1, a(2) = 4\}$ , egf]  
A052659 9.83606 [  $(2x-1)*(x-1)/(2x^2-4x+1)$  egf]  
A052660 5.16577 [  $\{a(n+3)-2*a(n+2)+a(n), a(0) = 2, a(1) = 2, a(2) = 3\}$ , egf]  
A052660 9.11578  $-(2-2x+x^4-4x^2+4x^3)/(x-1)/(x^2+2x-2)/(x^2+x-1)$  lgdegf  
A052660 9.16192 [  $-(x^2+2x-2)/(x-1)/(x^2+x-1)$  egf]  
A052661 11.7778 [  $-(3x-2)/(x-1)/(x^2+x-1)$  egf]

A052661 12.9555  $-(1-6*x^2+6*x^3)/(3*x-2)/(x-1)/(x^2+x-1)$  lgdegf  
A052661 5.63829  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 2, a(1) = 1, a(2) = 2}]$ , egf]  
A052662 13.1512  $-(2+x^4-x^2)/(x-1)/(x+1)/(x^3-x^2-2*x+1)$  lgdegf  
A052662 4.80008  $[{a(n+3)-2*a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 4}]$ ,  
egf]  
A052662 9.43174  $[ -(x-1)*(x+1)/(x^3-x^2-2*x+1)$  egf]  
A052663 10.7420  $[ x^4*(x^2-x-1)/(x-1)$  egf]  
A052663 21.0861  $(2-2*x+x^2)/(x-1)/(x^2-x-1)$  lgdegf  
A052664 10.7435  $[ -(x-1)/(3*x^3-3*x^2-2*x+1)$  egf]  
A052664 11.8690  $-(1+6*x-12*x^2+6*x^3)/(x-1)/(3*x^3-3*x^2-2*x+1)$  lgdegf  
A052664 5.08396  $[{-a(n+3)+2*a(n+2)+3*a(n+1)-3*a(n), a(0) = 1, a(1) = 1, a(2) = 5}]$ ,  
egf]  
A052665 13.5925  $[ x^2/(2*x-1)/(x-1)$  egf]  
A052665 21.6149  $-(4*x-3)/(-1+2*x)/(x-1)$  lgdegf  
A052665 3.81003  $[{(2*n^2+6*n+4)*a(n)+(-3*n-6)*a(n+1)+a(n+2), a(0) = 0, a(1) = 0,$   
 $a(2) = 2}]$ , ogf]  
A052666 16.2912  $[ -1/(3*x^2+x-1)$  egf]  
A052666 26.3024  $-(6*x+1)/(3*x^2-1+x)$  lgdegf  
A052666 3.73340  $[{(-3*n^2-15*n-18)*a(n+1)+(-n-3)*a(n+2)+a(n+3), a(0) = 1, a(1) = 1,$   
 $a(2) = 8}]$ , ogf]  
A052667 15.9408  $[ -1/(x^4+2*x-1)$  egf]  
A052667 20.5794  $-2*(1+2*x^3)/(-1+2*x+x^4)$  lgdegf  
A052668 15.9690  $[ -1/(x^3+3*x-1)$  egf]  
A052668 22.4193  $-3*(1+x^2)/(-1+3*x+x^3)$  lgdegf  
A052668 5.60614  $[{-a(n+3)+3*a(n+2)+a(n), a(0) = 1, a(1) = 3, a(2) = 9}]$ , egf]  
A052669 11.1252  $[ -(2*x-1)/(2*x^3-x^2-3*x+1)$  egf]  
A052669 12.2994  $-(1+2*x-8*x^2+8*x^3)/(-1+2*x)/(2*x^3-x^2-3*x+1)$  lgdegf  
A052669 5.26460  $[{-a(n+3)+3*a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = 1, a(2) = 4}]$ ,  
egf]  
A052670 17.6831  $[ -x^2/(4*x-1)$  egf]  
A052670 5.23277  $[{(-4*n-8)*a(n+1)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 2}]$ , ogf]  
A052670 50.7145  $-4/(4*x-1)$  lgdegf  
A052671 11.9086  $[ x^3*(x-1)/(2*x-1)$  egf]  
A052671 3.24781  $[{(-8*n^2+32)*a(n+1)+(2*n^2+10*n-8)*a(n+2)-n*a(n+3), a(0) = 0,$   
 $a(1) = 0, a(2) = 0, a(3) = 6}]$ , ogf]  
A052671 33.3090  $1/(-1+2*x)/(x-1)$  lgdegf  
A052672 10.3889  $[ -(x-1)/(x^3-2*x^2-x+1)$  egf]  
A052672 14.2573  $-x*(4-5*x+2*x^2)/(x-1)/(x^3-2*x^2-x+1)$  lgdegf  
A052673 14.1651  $[ 3*x/(x-1)^2$  egf]  
A052673 20.6111  $12*x/(3+(12*x+9)^(1/2))^2$  revegf  
A052673 4.72171  $[{(-n^2-4*n-4)*a(n+1)+(n+1)*a(n+2), a(0) = 0, a(1) = 3}]$ , ogf]  
A052673 64.4096  $-2/(x-1)$  lgdegf  
A052674 10.1033  $[ -(x-1)/(x+1)/(2*x^2-4*x+1)$  egf]  
A052674 10.9197  $-2*(1+2*x-4*x^2+2*x^3)/(x-1)/(x+1)/(2*x^2-4*x+1)$  lgdegf  
A052674 4.78104  $[{-a(n+3)+3*a(n+2)+2*a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 8}]$ ,  
egf]  
A052675 13.9379  $[ (x-1)/(5*x-1)$  egf]  
A052675 3.58126  $[{(5*n^2+5*n)*a(n)+(-5*n^2-21*n-20)*a(n+1)+(n+2)*a(n+2), a(0) = 1,$   
 $a(1) = 4}]$ , ogf]  
A052675 33.6408  $4/(5*x-1)/(x-1)$  lgdegf  
A052676 18.1396  $[ -3*x/(2*x-1)$  egf]  
A052676 47.0342  $-2/(-1+2*x)$  lgdegf  
A052676 57.4862  $x/(3+2*x)$  revegf  
A052676 6.65882  $[{(-2*n-2)*a(n)+a(n+1), a(0) = 0, a(1) = 3}]$ , ogf]  
A052677 12.3402  $[ -(x-1)/(x^2-4*x+1)$  egf]  
A052677 18.1325  $-(3-2*x+x^2)/(x-1)/(x^2-4*x+1)$  lgdegf  
A052678 18.1396  $[ -x^3/(3*x-1)$  egf]  
A052678 4.82612  $[{(-3*n-6)*a(n+1)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6}]$ ,  
ogf]  
A052678 52.3157  $-3/(3*x-1)$  lgdegf  
A052679 10.0611  $[ (x-1)*(x+1)/(x^3+x^2-1)$  egf]

A052679 14.7290  $-x^2(x^2-3)/(x-1)/(x+1)/(x^3+x^2-1)$  lgdegf  
A052679 5.79609  $[{-a(n+3)+a(n+1)+a(n), a(0) = 1, a(1) = 0, a(2) = 0}]$ , egf]  
A052680 11.8995  $[ -(2*x-1)/(2*x^2-4*x+1)$  egf]  
A052680 13.4396  $-2*(1-2*x+2*x^2)/(-1+2*x)/(2*x^2-4*x+1)$  lgdegf  
A052681 10.5653  $-x*(2+6*x^3+5*x-12*x^2)/(x-1)/(2*x^4-2*x^3-x^2-x+1)$  lgdegf  
A052681 8.97813  $[ -(x-1)/(2*x^4-2*x^3-x^2-x+1)$  egf]  
A052682 11.8184  $[ (x-1)/(3*x^2+x-1)$  egf]  
A052682 18.6842  $-3*x*(x-2)/(x-1)/(3*x^2-1+x)$  lgdegf  
A052683 17.7678  $[ -2*x^4/(x-1)$  egf]  
A052683 4.25840  $[{(-n-2)*a(n+1)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 48}]$ , ogf]  
A052683 64.4082  $-1/(x-1)$  lgdegf  
A052684 14.3243  $[ -1/(x+1)/(x^2+x-1)$  egf]  
A052684 20.0448  $-x*(4+3*x)/(x+1)/(x^2+x-1)$  lgdegf  
A052684 3.06358  $[{(n^3+9*n^2+26*n+24)*a(n+1)+(2*n^2+14*n+24)*a(n+2)-a(n+4), a(0) = 1, a(1) = 0, a(2) = 4, a(3) = 6}]$ , ogf]  
A052685 8.92465  $[ -(x-1)*(x+1)/(x^4-2*x^2-x+1)$  egf]  
A052685 9.56045  $-(1+2*x+2*x^5+x^2-4*x^3)/(x-1)/(x+1)/(x^4-2*x^2-x+1)$  lgdegf  
A052686 10.9143  $[ x^2*(3*x^2-3*x-1)/(x-1)$  egf]  
A052686 17.3445  $(4-6*x+3*x^2)/(x-1)/(3*x^2-3*x-1)$  lgdegf  
A052687 13.9801  $-(-2-4*x+x^2+x^3)/(x-1)/(x+1)/(x^3-x-1)$  lgdegf  
A052687 9.13452  $[ -(x^3-x-1)/(x+1)/(x-1)^2$  egf]  
A052688 12.1161  $[ x/(x^2+x+1)/(x-1)^2$  egf]  
A052688 19.1513  $-(1+x+4*x^2)/(x-1)/(x^2+x+1)$  lgdegf  
A052689 13.9801  $-(-2-2*x-x^2+x^3)/(x-1)/(x+1)/(x^2-x-1)$  lgdegf  
A052689 9.13452  $[ -(x^2-x-1)/(x+1)/(x-1)^2$  egf]  
A052690 11.6794  $[ x*(3*x^2-x-1)/(3*x-1)$  egf]  
A052690 17.0795  $(4-6*x+9*x^2)/(3*x-1)/(3*x^2-x-1)$  lgdegf  
A052691 10.3889  $[ (x-1)/(x^3-x^2+2*x-1)$  egf]  
A052691 12.5310  $-(-1+2*x-4*x^2+2*x^3)/(x-1)/(x^3-x^2+2*x-1)$  lgdegf  
A052691 4.91616  $[{a(n+3)-2*a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 1}]$ , egf]  
A052692 10.2154  $[ (x-1)*(x+1)*(x^2+1)/(x^4+x-1)$  egf]  
A052692 12.5327  $(1+3*x^4)/(x-1)/(x+1)/(1+x^2)/(x^4+x-1)$  lgdegf  
A052693 11.4588  $[ -(x-1)/(x^3-3*x+1)$  egf]  
A052693 14.8327  $-(-2-3*x^2+2*x^3)/(x-1)/(x^3-3*x+1)$  lgdegf  
A052693 5.48557  $[{-a(n+3)+3*a(n+2)-a(n), a(0) = 1, a(1) = 2, a(2) = 6}]$ , egf]  
A052694 10.6767  $[ (x-1)*(2*x^3+x^2+x+1)/(2*x-1)$  egf]  
A052694 9.47399  $(2+12*x^4+3*x^2-12*x^3)/(-1+2*x)/(x-1)/(2*x^3+x^2+x+1)$  lgdegf  
A052695 12.5920  $[ -(5*x-2)/(4*x-1)/(x-1)$  egf]  
A052695 14.6134  $-(5-16*x+20*x^2)/(x-1)/(4*x-1)/(5*x-2)$  lgdegf  
A052696 11.9258  $-(-2+2*x-3*x^2+x^3)/(x-1)/(x^3-3*x^2+4*x-1)$  lgdegf  
A052696 4.67986  $[{-a(n+3)+4*a(n+2)-3*a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 6}]$ , egf]  
A052696 8.59252  $[ -(x-1)^2/(x^3-3*x^2+4*x-1)$  egf]  
A052697 14.1690  $[ -1/(x^4+x^3-1)$  egf]  
A052697 20.8503  $-x^2*(4*x+3)/(-1+x^3+x^4)$  lgdegf  
A052698 16.4338  $-1/6*(-1-4*x+(1+8*x+4*x^2)^(1/2))/x$  revdegf  
A052698 17.6926  $[ x/(3*x-1)/(x-1)$  egf]  
A052698 23.9660  $-2*(3*x-2)/(3*x-1)/(x-1)$  lgdegf  
A052698 4.05455  $[{(-3*n^2-15*n-18)*a(n+1)+(4*n+12)*a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 8}]$ , ogf]  
A052699 11.8674  $[ (x^6-x^5-1)/(x-1)$  egf]  
A052699 14.2331  $(1+5*x^6-10*x^5+5*x^4)/(x-1)/(x^6-x^5-1)$  lgdegf  
A052700 13.8879  $[ x*(x-1)/(3*x-1)$  egf]  
A052700 16.9919  $1/2+3/2*x-1/2*(1+2*x+9*x^2)^(1/2)$  revdegf  
A052700 3.47197  $[{(-6*n^2-12*n)*a(n+1)+(3*n^2+17*n+18)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 4}]$ , ogf]  
A052700 37.3821  $2/(3*x-1)/(x-1)$  lgdegf  
A052701 17.6096  $4/(1-8*x)^(1/2)/(1+(1-8*x)^(1/2))$  lgdogf  
A052701 58.1116  $-x*(2*x-1)$  revogf

A052701 6.21462 [ $\{(-8n+4)a(n)+(n+1)a(n+1), a(0) = 0, a(1) = 1\}$ , ogf]  
A052704 13.6260  $8/(1-16x)^{1/2}/(1+(1-16x)^{1/2})$  lgdogf  
A052704 43.3556  $-x^{*}(-1+4x)$  revogf  
A052704 5.05815 [ $\{(-16n+8)a(n)+(n+1)a(n+1), a(0) = 0, a(1) = 1\}$ , ogf]  
A052707 15.9000  $8/(1-16x)^{1/2}/(1+(1-16x)^{1/2})$  lgdogf  
A052707 39.7499  $-1/2x^{*}(2x-1)$  revogf  
A052707 5.88888 [ $\{(-16n+8)a(n)+(n+1)a(n+1), a(0) = 0, a(1) = 2\}$ , ogf]  
A052709 3.64292 [ $\{4a(n)n+(8n+6)a(n+1)+(3n+3)a(n+2)+(-n-3)a(n+3), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
A052709 37.4195  $-x^{*}(x-1)/(1+x^2)$  revogf  
A052711 15.7657  $4/(1-4x)^{1/2}/(1+(1-4x)^{1/2})$  lgdegf  
A052711 3.09560 [ $\{(-16n^2+24n-8)a(n+1)+(-4n^2-2n-2)a(n+2)+na(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$ , ogf]  
A052712 18.2351  $-1/2+2x+1/2(1-4x)^{1/2}$  revegfg  
A052712 2.94165 [ $\{(-16n^2-8n)a(n+1)+(8n^2+30n+24)a(n+2)+(-2-n)a(n+3), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A052713 15.1232  $4/(1-8x)^{1/2}/(1+(1-8x)^{1/2})$  lgdegf  
A052713 41.5889  $-1/2x^{*}(x-1)$  revegfg  
A052713 6.42258 [ $\{(-8n+4)a(n)+a(n+1), a(0) = 0, a(1) = 2\}$ , ogf]  
A052714 14.4511  $4/(1-8x)^{1/2}/(1+(1-8x)^{1/2})$  lgdegf  
A052714 43.3532  $-x^{*}(-1+2x)$  revegfg  
A052714 6.14181 [ $\{(-8n+4)a(n)+a(n+1), a(0) = 0, a(1) = 1\}$ , ogf]  
A052715 15.9408  $8/(1-4x)^{1/2}/(1+(1-4x)^{1/2})$  lgdegf  
A052715 3.62791 [ $\{(-4n^2+6n-2)a(n+1)+(-2+n)a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 24\}$ , ogf]  
A052716 10.9787  $-1/2(x-1+(x^2-6x+1)^{1/2})/x/(x^2-6x+1)^{1/2}$  lgdegf  
A052716 40.5367  $x^{*}(x-1)/(x-2)$  revegfg  
A052717 15.7657  $2/(1-4x)^{1/2}/(1+(1-4x)^{1/2})$  lgdegf  
A052717 3.26737 [ $\{(-12n^2+6n)a(n+1)+(-4n^2-7n-3)a(n+2)+(n+1)a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A052718 3.49327 [ $\{(-8n^2-4n)a(n+1)+(-4n^2-12n-12)a(n+2)+(n+2)a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A052718 31.1518  $-1-x+(1+4x)^{1/2}$  revegfg  
A052719 16.2912  $6/(1-4x)^{1/2}/(1+(1-4x)^{1/2})$  lgdegf  
A052719 4.18991 [ $\{(-4n^2+2n)a(n+1)+(-1+n)a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$ , ogf]  
A052720 16.9738  $12/(1-4x)^{1/2}/(1+(1-4x)^{1/2})$  lgdegf  
A052720 3.36012 [ $\{(-4n^2+14n-12)a(n+1)+(-4+n)a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 720\}$ , ogf]  
A052721 17.7559  $8/(1-4x)^{1/2}/(1+(1-4x)^{1/2})$  lgdegf  
A052721 3.33142 [ $\{(4n^3-6n^2-16n+24)a(n+1)+(-n^2+2n+3)a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 120\}$ , ogf]  
A052722 17.4934  $10/(1-4x)^{1/2}/(1+(1-4x)^{1/2})$  lgdegf  
A052722 3.74577 [ $\{(-4n^2+10n-6)a(n+1)+(-3+n)a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 120\}$ , ogf]  
A052726 3.51344 [ $\{4a(n)n+(8n+6)a(n+1)+(3n+3)a(n+2)+(-n-3)a(n+3), a(0) = 0, a(1) = 1, a(2) = 1\}$ , egf]  
A052726 36.1296  $-x^{*}(x-1)/(1+x^2)$  revegfg  
A052727 2.90461 [ $\{(8n^3-8n)a(n)+(4n^3+24n^2+20n)a(n+1)+(4n^2+12n+12)a(n+2)+(-2-n)a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A052727 20.7487  $-1/2+1/2(1+4x-4x^2)^{1/2}$  revegfg  
A052729 2.91416 [ $\{(-216n^3+81n^2+87n-30)a(n)+(-176n^2-22n+48)a(n+1)+(40n-15)a(n+2), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A052730 2.93484 [ $\{(-108n^3-243n^2-159n-30)a(n+1)+(-88n^2-154n-58)a(n+2)+(20n+5)a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$ , ogf]  
A052731 3.02152 [ $\{(-3n^4-6n^3+3n^2+6n)a(n)+(-2n^3-5n^2-2n)a(n+1)+(n^2+2n-3)a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$ , ogf]  
A052732 17.6666  $4/(1-4x)^{1/2}/(1+(1-4x)^{1/2})$  lgdegf  
A052732 4.22463 [ $\{(4n^2+2n-12)a(n+1)-a(n+2)n, a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 24\}$ , ogf]  
A052733 17.6666  $2/(1-4x)^{1/2}/(1+(1-4x)^{1/2})$  lgdegf

A052733 4.65035  $[{(4n^2+2n-12)a(n+1)-a(n+2)n, a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6}], \text{ogf}]$   
A052734 11.3361  $[{(-16n+8)a(n)+a(n+1), a(0) = 0, a(1) = 1}], \text{ogf}]$   
A052734 25.6587  $8/(1-16x)^{1/2}/(1+(1-16x)^{1/2}) \text{lgdegf}$   
A052734 81.6413  $-x(-1+4x) \text{revegf}$   
A052735 4.53168  $[{(3n^2-3)a(n)+(2n+1)a(n+1)-a(n+2), a(0) = 0, a(1) = 0, a(2) = 2}], \text{ogf}]$   
A052736 17.9078  $-(-x-1+(x^2-6x+1)^{1/2})/x/(x^2-6x+1)^{1/2} \text{lgdegf}$   
A052736 5.44861  $[{(2n^3-n^2-5n-2)a(n)-12a(n+1)n^2+(2n-1)a(n+2), a(0) = 0, a(1) = 0, a(2) = 2}], \text{ogf}]$   
A052737 11.6119  $8/(1-16x)^{1/2}/(1+(1-16x)^{1/2}) \text{lgdegf}$   
A052737 27.0943  $-1/2x(-1+2x) \text{revegf}$   
A052737 8.60588  $[{(-16n+8)a(n)+a(n+1), a(0) = 0, a(1) = 2}], \text{ogf}]$   
A052740 12.4412  $-a(n+5), a(0)=0, a(1)=1, a(2)=-1, a(3)=0, a(4)=-1 \text{revegf}$   
A052741 15.6781  $6/(1-4x)^{1/2}/(1+(1-4x)^{1/2}) \text{lgdegf}$   
A052742 16.0180  $-1/2(-x-1+(x^2-6x+1)^{1/2})/x/(x^2-6x+1)^{1/2} \text{lgdegf}$   
A052742 3.43858  $[{(-3n^3-3n^2+6n)a(n+1)+(-n^3+12n^2+n)a(n+2)+(6n^2+24n+24)a(n+3)+(-n-2)a(n+4), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 12}], \text{ogf}]$   
A052743 14.2573  $1/2x^2(-x-1+(x^2+1+2x+4x^3)^{1/2}) \text{revegf}$   
A052745 4.26201  $[{a(n+1)n^2+(-2n^2-3n-1)a(n+2)+(n^2+3n+2)a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1}], \text{egf}]$   
A052746 14.0895  $(n+1)a(n+2)+2a(n+1), a(0)=0, a(1)=1 \text{revegf}$   
A052747 4.21362  $[{(n^2+n-2)a(n+1)-a(n+2)n, a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6}], \text{ogf}]$   
A052749 14.2480  $-2(-6+19x-18x^2+4x^3)/(x-1)/(-1+2x)/(2x^2-6x+3) \text{lgdogf}$   
A052749 4.15516  $[{(2n^2+10n+12)a(n+1)+(-3n^2-12n-9)a(n+2)+(n^2+3n+2)a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6}], \text{ogf}]$   
A052749 9.66075  $[2x^3(2x^2-6x+3)/(2x-1)^2/(x-1)^2 \text{ogf}]$   
A052759 5.31929  $[{(n^2-4)a(n+1)+(-n+1)a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 24}], \text{ogf}]$   
A052760 3.94107  $[{(-2n^2-10n-12)a(n+1)+(3n^2+9n)a(n+2)+(-n^2-n)a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 24}], \text{ogf}]$   
A052760 6.25935  $[4x^4(4x^4-18x^3+33x^2-24x+6)/(2x-1)^3/(x-1)^3 \text{ogf}]$   
A052760 8.66120  $-(-30+150x+16x^5-96x^4-285x^2+248x^3)/(x-1)/(-1+2x)/(4x^4-18x^3+33x^2-24x+6) \text{lgdogf}$   
A052761 6.19391  $[ -12x^4(3x-2)(x^2-3x+1)/(2x-1)^2/(3x-1)^2/(x-1)^2 \text{ogf}]$   
A052762 10.8883  $[ -24x^4/(x-1)^5 \text{ogf}]$   
A052762 5.08649  $[{(-2+n)a(n+2)+(-2-n)a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 24}], \text{ogf}]$   
A052762 87.1061  $-5/(x-1) \text{lgdogf}$   
A052764 12.0764  $(n+1)a(n+2)+4a(n+1), a(0)=0, a(1)=1 \text{revegf}$   
A052768 11.7507  $-(-15-20x+x^4+15x^2-6x^3)/(x-1)/(x^4-5x^3+10x^2-10x+5) \text{lgdogf}$   
A052768 4.62911  $[{(n+2)a(n+1)+(-n+2)a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 120}], \text{ogf}]$   
A052768 6.15838  $[ -24x^5(x^4-5x^3+10x^2-10x+5)/(x-1)^5 \text{ogf}]$   
A052771 11.7709  $[6x^3/(2x-1)^4 \text{ogf}]$   
A052771 5.27334  $[{(-1+n)a(n+2)+(-4-2n)a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6}], \text{ogf}]$   
A052771 59.6247  $-8/(-1+2x) \text{lgdogf}$   
A052776 3.06404  $[24x^5(24x^4-100x^3+105x^2-40x+5)/(x-1)^2/(3x-1)^2/(2x-1)^2/(4x-1)^2 \text{ogf}]$   
A052777 3.98247  $[ -12x^5(36x^6-198x^5+471x^4-540x^3+315x^2-90x+10)/(2x-1)^3/(3x-1)^3/(x-1)^3 \text{ogf}]$   
A052778 3.33539  $[{(n^2-n-6)a(n+1)+(-n+2)a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 120}], \text{ogf}]$   
A052780 10.9730  $[ -2x^2/(4x-1)^3 \text{ogf}]$   
A052780 4.66108  $[{a(n+3)-12a(n+2)+48a(n+1)-64a(n), a(0) = 0, a(1) = 0, a(2) = 2}], \text{ogf}]$   
A052780 47.3284  $-12/(4x-1) \text{lgdogf}$   
A052787 4.67526  $[{(-3+n)a(n+2)+(-2-n)a(n+1), a(0) = 0, a(1) = 0, a(2) = 0,$



$a(3) = 0, a(4) = 0, a(5) = 120\}$ , ogf]  
A052787 87.5099  $-6/(x-1)$  lgdogf  
A052787 9.41370  $[120*x^5/(x-1)^6$  ogf]  
A052789 12.8083  $(n+1)*a(n+2)+5*a(n+1), a(0)=0, a(1)=1$  revegf  
A052791 14.1494  $[6*x^3/(3*x-1)^4$  ogf]  
A052791 6.56531  $[{(-1+n)*a(n+2)+(-6-3*n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6}$ ], ogf]  
A052791 74.3062  $-12/(3*x-1)$  lgdogf  
A052794 3.06264  $[{(n^2-2*n-8)*a(n+1)+(-n+3)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 720}$ ], ogf]  
A052796 10.5762  $[-24*x^4/(2*x-1)^5$  ogf]  
A052796 5.17231  $[{(-2+n)*a(n+2)+(-4-2*n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 24}$ ], ogf]  
A052796 59.0505  $-10/(-1+2*x)$  lgdogf  
A052800 4.52361  $[{(n+2)*a(n+1)+(-n+3)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 720}$ ], ogf]  
A052800 5.28305  $[-120*x^6*(x-2)*(x^2-x+1)*(x^2-3*x+3)/(x-1)^6$  ogf]  
A052800 6.46700  $1/30*(-45045+4725*x-x^4-945*x^2+120*x^3+(25410*x^6+3711015*x^4+156080925*x^2+x^8+2029052025)^(1/2))/x/(8*x^2+315)$  lgdegf  
A052805 9.93394  $[1/2*I*((4*x-1)^(1/2)-(4*x^2-1)^(1/2))/x$  ogf\_with\_Euler\_transform]  
A052812 14.4075  $[{-(-2*x^2-x)/(x^4-2*x^2+1)$  ogf\_with\_Euler\_transform]  
A052816 14.6970  $[{-x^3-x^2-x+2)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A052819 12.5668  $n*a(n+1)+(-1-n)*a(n+2), a(0)=0, a(1)=1, a(2)=-1$  revegf  
A052832 5.13027  $[{a(n)*n+(-2*n-4)*a(n+2)+(n+3)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 1}$ ], egf]  
A052840 3.33090  $[{(2*n^3+4*n^2-2*n-4)*a(n)+(-3*n^2-6*n)*a(n+1)+(n+1)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 2}$ ], ogf]  
A052842 28.1747  $(x-1)*(-1+\exp(-x))$  revegf  
A052844 14.2315  $(-2+2*x-x^2)*f(x)+(1-2*x+x^2)*f(x)^2$  lgdegf  
A052845 15.7490  $(-x^2+2*x)*f(x)+(-1+2*x-x^2)*f(x)^2$  lgdegf  
A052847 23.0915  $[x/(x^2-2*x+1)$  ogf\_with\_Euler\_transform]  
A052849 20.5768  $[-2*x/(x-1)$  egf]  
A052849 7.55349  $[{(-n-1)*a(n)+a(n+1), a(0) = 0, a(1) = 2}$ ], ogf]  
A052849 73.4490  $-1/(x-1)$  lgdegf  
A052849 83.9418  $x/(x+2)$  revegf  
A052850 3.26695  $[{(-18*n^3-36*n^2-18*n)*a(n)+(4*n^3+51*n^2+92*n+45)*a(n+1)+(-6*n^2-35*n-34)*a(n+2)+(4+2*n)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 5}$ ], ogf]  
A052851 47.1110  $1-\exp(x*(x-1))$  revegf  
A052852 37.4365  $-(x-2)/(x-1)^2$  lgdegf  
A052852 4.55508  $[{(n^2+2*n)*a(n)+(-2*n-4)*a(n+1)+a(n+2), a(0) = 0, a(1) = 1}$ ], ogf]  
A052854 18.8554  $[2/(1+(1-4*x)^(1/2))$  ogf\_with\_Euler\_transform]  
A052857 9.42924  $(-2-n)*a(n+3)+(1+2*n)*a(n+2)-n*a(n+1), a(0)=0, a(1)=1, a(2)=-1$  revegf  
A052859 29.4838  $2*\exp(2*x)-2*\exp(x)$  lgdegf  
A052861 2.92519  $[{-2*a(n)*n+(5*n+3)*a(n+1)+(-4*n-5)*a(n+2)+(n+2)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1}$ ], egf]  
A052866 4.27714  $[{-a(n)*n+(3*n+4)*a(n+1)+(-3*n-7)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 5/2}$ ], egf]  
A052867 4.25563  $[{(2*n^2+2*n)*a(n)+(-3*n-3)*a(n+1)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 2}$ ], ogf]  
A052874 3.17503  $[{-a(n)*n+(3*n+3)*a(n+1)+(-3*n-5)*a(n+2)+(n+2)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1}$ ], egf]  
A052881 3.35148  $[{(n^3+3*n^2+2*n)*a(n)+(-2*n^2-5*n-2)*a(n+1)+(n+1)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 2}$ ], ogf]  
A052885 9.10675  $(n+2)*a(n+3)+(n+3)*a(n+2)+a(n+1), a(0)=0, a(1)=1, a(2)=-2$  revegf  
A052886 7.99924  $-2*n^2*a(n)+(5*n+2+3*n^2)*a(n+1)+(-4+n^2)*a(n+2)+(-5*n-6-n^2)*a(n+3), a(0)=0, a(1)=1, a(2)=-3/2$  revegf  
A052887 28.6207  $2*x+(-1+3*x-3*x^2+x^3)*f(x)$  lgdegf

A052887 4.36890 [  $\{(n^3+3n^2+2n)*a(n)+(-3n^2-7n-2)*a(n+1)+(3n+6)*a(n+2)-a(n+3), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf]  
A052888 36.6114  $\exp(-x)*\ln(x+1)$  reveqf  
A052889 13.1929  $(-n-2)*a(n+2)+a(n+1), a(0)=1, a(1)=1$  lgdegf  
A052892 48.1626  $-\ln(x+1)*(x-1)$  reveqf  
A052897 24.9485  $2+(-1+2*x-x^2)*f(x)$  lgdegf  
A052897 4.11510 [  $\{(n^2+n)*a(n)+(-2n-4)*a(n+1)+a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A052898 3.19424 [  $\{(n^2+4n+4)*a(n+1)+(-n^2-5n-5)*a(n+2)+(n+1)*a(n+3), a(0) = 3, a(1) = 3, a(2) = 5\}$ , ogf]  
A052899 12.2332 [  $-(2*x-1)/(x-1)/(4*x^2+2*x-1)$  ogf]  
A052899 12.4574  $-(1+4*x-16*x^2+16*x^3)/(x-1)/(-1+2*x)/(4*x^2+2*x-1)$  lgdogf  
A052899 5.78895 [  $\{-a(n+3)+3*a(n+2)+2*a(n+1)-4*a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$ , ogf]  
A052900 15.4855 [  $(x-1)/(3*x^3+x-1)$  ogf]  
A052900 20.9011  $-3*x^2*(-3+2*x)/(x-1)/(3*x^3+x-1)$  lgdogf  
A052900 7.57445 [  $\{-a(n+3)+a(n+2)+3*a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , ogf]  
A052901 13.0433 [  $\{-a(n+3)+a(n), a(0) = 3, a(1) = 2, a(2) = 2\}$ , ogf]  
A052901 17.3692  $-(2+4*x+2*x^4+9*x^2+4*x^3)/(x-1)/(x^2+x+1)/(2*x^2+2*x+3)$  lgdogf  
A052901 20.2305 [  $-(2*x^2+2*x+3)/(x-1)/(x^2+x+1)$  ogf]  
A052903 12.0491 [  $-(x-1)*(x^2+x+1)/(x^4-x^3-2*x+1)$  ogf]  
A052903 16.8266  $-(2+x^6)/(x-1)/(x^2+x+1)/(x^4-x^3-2*x+1)$  lgdogf  
A052904 12.4371 [  $-(x-1)/(4*x^3-4*x^2-2*x+1)$  ogf]  
A052904 13.7444  $-(1+8*x-16*x^2+8*x^3)/(x-1)/(4*x^3-4*x^2-2*x+1)$  lgdogf  
A052904 5.88543 [  $\{-a(n+3)+2*a(n+2)+4*a(n+1)-4*a(n), a(0) = 1, a(1) = 1, a(2) = 6\}$ , ogf]  
A052905 13.4731 [  $(2*x^2-2*x-1)/(x-1)^3$  ogf]  
A052905 26.0017  $-(-5+2*x^2)/(x-1)/(2*x^2-2*x-1)$  lgdogf  
A052905 7.27308 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 10\}$ , ogf]  
A052906 12.8098 [  $(x-1)*(x+1)/(x^2+3*x-1)$  ogf]  
A052906 18.6305  $3*(1+x^2)/(x-1)/(x+1)/(x^2+3*x-1)$  lgdogf  
A052906 6.15375 [  $\{-a(n+3)+3*a(n+2)+a(n+1), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A052907 19.5641 [  $-1/(2*x^3+2*x^2-1)$  ogf]  
A052907 24.5904  $-2*x*(3*x+2)/(-1+2*x^2+2*x^3)$  lgdogf  
A052907 7.78356 [  $\{-a(n+3)+2*a(n+1)+2*a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf]  
A052908 13.3783  $-(1+x+x^2+3*x^3)/(x-1)/(x^2+x+1)/(x^4-x^3-2*x+1)$  lgdogf  
A052908 9.50568 [  $(x^2+x+1)*(x-1)^2/(x^4-x^3-2*x+1)$  ogf]  
A052909 12.5406 [  $-(x^2-x-1)/(3*x-1)/(x-1)$  ogf]  
A052909 18.1006  $-(5-8*x+x^2)/(x-1)/(3*x-1)/(x^2-x-1)$  lgdogf  
A052909 6.45293 [  $\{-a(n+3)+4*a(n+2)-3*a(n+1), a(0) = 1, a(1) = 5, a(2) = 16\}$ , ogf]  
A052910 13.5354 [  $(x-1)*(x^2+x+1)/(x^3+2*x-1)$  ogf]  
A052910 16.6572  $2*(1+2*x^3)/(x-1)/(x^2+x+1)/(x^3+2*x-1)$  lgdogf  
A052910 5.81784 [  $\{-a(n+4)+2*a(n+3)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$ , ogf]  
A052911 12.2332 [  $-(x-1)/(2*x^3-x^2-3*x+1)$  ogf]  
A052911 14.4393  $-(2+2*x-7*x^2+4*x^3)/(x-1)/(2*x^3-x^2-3*x+1)$  lgdogf  
A052911 5.78895 [  $\{-a(n+3)+3*a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
A052912 21.3348 [  $-1/(2*x^3+2*x-1)$  ogf]  
A052912 25.5720  $-2*(1+3*x^2)/(-1+2*x+2*x^3)$  lgdogf  
A052912 7.48987 [  $\{-a(n+3)+2*a(n+2)+2*a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A052913 12.1781  $-1/2*(-1-5*x+(1+6*x+17*x^2)^{(1/2)})/(2*x+1)$  revogf  
A052913 15.0435  $-2*(2-2*x+x^2)/(x-1)/(2*x^2-5*x+1)$  lgdogf  
A052913 16.9528 [  $-(x-1)/(2*x^2-5*x+1)$  ogf]  
A052913 9.30335 [  $\{a(n+2)-5*a(n+1)+2*a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A052914 12.3583 [  $-(x-1)/(2*x^5-2*x^4-x^3-x+1)$  ogf]  
A052914 14.0835  $-x^2*(8*x^3-16*x^2+3+6*x)/(x-1)/(2*x^5-2*x^4-x^3-x+1)$  lgdogf  
A052915 12.0649 [  $-(x-1)/(3*x^4-3*x^3-x^2-x+1)$  ogf]  
A052915 14.2214  $-x*(2+9*x^3+8*x-18*x^2)/(x-1)/(3*x^4-3*x^3-x^2-x+1)$  lgdogf  
A052916 13.8733 [  $-(x-1)/(x^4-2*x^3-x+1)$  ogf]

A052916 18.1965  $-x^2*(3*x^2+6-8*x)/(x-1)/(x^4-2*x^3-x+1)$  lgdogf  
A052917 11.9873  $-a(n+4)+3*a(n+3)+a(n), a(0)=3, a(1)=9, a(2)=27, a(3)=85$  lgdogf  
A052917 19.6473  $[-1/(x^4+3*x-1)$  ogf]  
A052918 15.2226  $1/2/x*(-1-5*x+(1+10*x+29*x^2)^(1/2))$  revogf  
A052918 16.9755  $[-1/(x^2+5*x-1)$  ogf]  
A052918 27.4007  $-(5+2*x)/(x^2-1+5*x)$  lgdogf  
A052918 6.83161  $[{-a(n+2)+5*a(n+1)+a(n), a(0) = 1, a(1) = 5},$  ogf]  
A052919 11.8644  $[(x^2-5*x+2)/(3*x-1)/(x-1)$  ogf]  
A052919 15.0190  $(3-10*x+11*x^2)/(x-1)/(3*x-1)/(x^2-5*x+2)$  lgdogf  
A052919 6.16483  $[{a(n+3)-4*a(n+2)+3*a(n+1), a(0) = 2, a(1) = 3, a(2) = 7},$  ogf]  
A052920 25.4126  $[-1/(x^5+x^3-1)$  ogf]  
A052920 31.0599  $-x^2*(3+5*x^2)/(-1+x^3+x^5)$  lgdogf  
A052921 13.0914  $[(x-1)/(x^3-2*x^2+3*x-1)$  ogf]  
A052921 15.1164  $-(-2+4*x-5*x^2+2*x^3)/(x-1)/(x^3-2*x^2+3*x-1)$  lgdogf  
A052921 6.19504  $[{a(n+3)-3*a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 4},$   
ogf]  
A052922 21.3319  $[-1/(x^4+2*x^3-1)$  ogf]  
A052922 27.0838  $-2*x^2*(3+2*x)/(-1+2*x^3+x^4)$  lgdogf  
A052923 15.0406  $[(x-1)/(4*x^2+x-1)$  ogf]  
A052923 16.6681  $1/2/(-1+4*x)*(-1-x+(1-2*x+17*x^2)^(1/2))$  revogf  
A052923 23.8116  $-4*x*(x-2)/(x-1)/(4*x^2+x-1)$  lgdogf  
A052923 8.35589  $[{-a(n+2)+a(n+1)+4*a(n), a(0) = 1, a(1) = 0},$  ogf]  
A052924 13.7339  $[(x-1)/(x^2+3*x-1)$  ogf]  
A052924 15.5167  $1/2/(x-1)*(-1-3*x+(1+2*x+13*x^2)^(1/2))$  revogf  
A052924 19.5209  $-(-2-2*x+x^2)/(x-1)/(x^2+3*x-1)$  lgdogf  
A052924 7.53689  $[{-a(n+2)+3*a(n+1)+a(n), a(0) = 1, a(1) = 2},$  ogf]  
A052925 10.9158  $-(-2+8*x-11*x^2+4*x^3)/(x-1)/(x^2-3*x+1)/(x^3-4*x^2+6*x-2)$   
lgdogf  
A052925 4.89733  $[{a(n+4)-4*a(n+3)+4*a(n+2)-a(n+1), a(0) = 2, a(1) = 2, a(2) = 4,$   
 $a(3) = 9},$  ogf]  
A052925 9.36880  $[(x^3-4*x^2+6*x-2)/(x-1)/(x^2-3*x+1)$  ogf]  
A052926 11.6928  $[-(3*x-1)/(3*x^3-x^2-4*x+1)$  ogf]  
A052926 12.6460  $-(1+2*x-12*x^2+18*x^3)/(3*x-1)/(3*x^3-x^2-4*x+1)$  lgdogf  
A052926 5.53321  $[{-a(n+3)+4*a(n+2)+a(n+1)-3*a(n), a(0) = 1, a(1) = 1, a(2) = 5},$   
ogf]  
A052927 21.7518  $[-1/(x^3+4*x-1)$  ogf]  
A052927 30.6493  $-(4+3*x^2)/(-1+4*x+x^3)$  lgdogf  
A052927 7.55589  $[{-a(n+3)+4*a(n+2)+a(n), a(0) = 1, a(1) = 4, a(2) = 16},$  ogf]  
A052928 20.3726  $[2*x^2/(x+1)/(x-1)^2$  ogf]  
A052928 43.5175  $[[1+x]$  ogf\_with\_Euler\_transform]  
A052928 45.4079  $-(3*x+1)/(x-1)/(x+1)$  lgdogf  
A052928 8.33425  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 0, a(2) = 2},$  ogf]  
A052929 12.3291  $-((3+2*x+3*x^4-18*x^2+18*x^3)/(x-1)/(3*x-1)/(x+1)/(x^2+3*x-2))$   
lgdogf  
A052929 12.3455  $[-(x^2+3*x-2)/(x-1)/(3*x-1)/(x+1)$  ogf]  
A052929 6.66440  $[{a(n+3)-3*a(n+2)-a(n+1)+3*a(n), a(0) = 2, a(1) = 3, a(2) = 10},$   
ogf]  
A052930 10.6960  $[-(x-1)/(2*x^4-2*x^3-2*x^2-x+1)$  ogf]  
A052930 11.8918  $-2*x*(2+3*x^3+2*x-6*x^2)/(x-1)/(2*x^4-2*x^3-2*x^2-x+1)$  lgdogf  
A052931 23.6729  $[-1/(x^3+3*x^2-1)$  ogf]  
A052931 30.8183  $-3*x*(x+2)/(-1+3*x^2+x^3)$  lgdogf  
A052931 8.40008  $[{-a(n+3)+3*a(n+1)+a(n), a(0) = 1, a(1) = 0, a(2) = 3},$  ogf]  
A052932 12.9475  $[-(x-1)/(x^5-x^4-2*x+1)$  ogf]  
A052932 15.2808  $-(1+4*x^5-8*x^4+4*x^3)/(x-1)/(x^5-x^4-2*x+1)$  lgdogf  
A052933 12.0491  $[-(x-1)*(x+1)/(2*x^4-3*x^2-x+1)$  ogf]  
A052933 12.4641  $-((1+4*x+4*x^5+x^2-8*x^3)/(x-1)/(x+1)/(2*x^4-3*x^2-x+1))$  lgdogf  
A052934 14.5738  $[(x-1)/(6*x-1)$  ogf]  
A052934 16.4765  $1/2+3*x-1/2*(1+8*x+36*x^2)^(1/2)$  revogf  
A052934 35.1499  $5/(6*x-1)/(x-1)$  lgdogf  
A052934 7.48932  $[{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 5},$  ogf]  
A052935 10.2420  $-((2+2*x^6+12*x^4+3*x^2-16*x^3)/(x-1)/(-1+2*x)/(x^2+x+1)/$

$(x^3+2*x-2)$  lgdogf  
A052935 11.4767 [  $-(x^3+2*x-2)/(2*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A052936 12.2682 [  $(2*x-1)*(x-1)/(5*x^2-5*x+1)$  ogf]  
A052936 15.1747  $(2-6*x+5*x^2)/(x-1)/(-1+2*x)/(5*x^2-5*x+1)$  lgdogf  
A052936 6.37465 [  $\{a(n+3)-5*a(n+2)+5*a(n+1), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
A052937 12.7227 [  $-(x^2+3*x-2)/(x-1)/(x^2+2*x-1)$  ogf]  
A052937 13.7498  $-(3-6*x+x^4+6*x^3)/(x-1)/(x^2+3*x-2)/(x^2+2*x-1)$  lgdogf  
A052937 6.92930 [  $\{a(n+3)-3*a(n+2)+a(n+1)+a(n), a(0) = 2, a(1) = 3, a(2) = 6\}$ , ogf]  
A052938 14.7467 [  $-(2*x^2-2*x-1)/(x+1)/(x-1)^2$  ogf]  
A052938 19.6074  $-(3-x-2*x^2+2*x^3)/(x-1)/(x+1)/(2*x^2-2*x-1)$  lgdogf  
A052938 8.03171 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 2\}$ , ogf]  
A052939 11.3748 [  $-(x-1)*(x+1)/(2*x^3-x^2-3*x+1)$  ogf]  
A052939 13.8115  $-(3+2*x^4-3*x^2)/(x-1)/(x+1)/(2*x^3-x^2-3*x+1)$  lgdogf  
A052939 5.78895 [  $\{a(n+3)-3*a(n+2)-a(n+1)+2*a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A052940 14.9495  $-(5-8*x+2*x^2)/(x-1)/(-1+2*x)/(2*x^2-2*x-1)$  lgdogf  
A052940 14.9756 [  $-(2*x^2-2*x-1)/(2*x-1)/(x-1)$  ogf]  
A052940 7.70590 [  $\{-a(n+3)+3*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 5, a(2) = 11\}$ , ogf]  
A052941 11.5729 [  $-(x-1)/(x^3+x^2-4*x+1)$  ogf]  
A052941 14.3012  $-(3-2*x-2*x^2+2*x^3)/(x-1)/(x^3+x^2-4*x+1)$  lgdogf  
A052941 5.42800 [  $\{a(n+3)-4*a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]  
A052942 14.1045  $-a(n+4)+a(n+3)+2*a(n), a(0)=1, a(1)=1, a(2)=1, a(3)=9$  lgdogf  
A052942 22.2451 [  $-1/(x+1)/(2*x^3-2*x^2+2*x-1)$  ogf]  
A052943 12.1148 [  $-(x-1)*(x+1)/(x^5-x^3-2*x^2+1)$  ogf]  
A052943 13.9973  $-x*(2+3*x^5-6*x^3+3*x)/(x-1)/(x+1)/(x^5-x^3-2*x^2+1)$  lgdogf  
A052944 12.2821 [  $x*(3*x-2)/(2*x-1)/(x-1)^2$  ogf]  
A052944 17.6842  $-(5-15*x+12*x^2)/(x-1)/(-1+2*x)/(3*x-2)$  lgdogf  
A052944 6.30702 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 0, a(1) = 2, a(2) = 5\}$ , ogf]  
A052945 13.0488 [  $(x-1)*(x+1)/(2*x^2+2*x-1)$  ogf]  
A052945 16.9246  $2*(1+x+x^2)/(x-1)/(x+1)/(2*x^2+2*x-1)$  lgdogf  
A052945 6.26856 [  $\{a(n+3)-2*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A052946 10.4278 [  $-(x-1)^2/(x^4-2*x^3+3*x-1)$  ogf]  
A052946 12.2140  $-(-1-3*x+2*x^4+6*x^2-6*x^3)/(x-1)/(x^4-2*x^3+3*x-1)$  lgdogf  
A052947 23.4454 [  $-1/(2*x^3+x^2-1)$  ogf]  
A052947 28.2402  $-2*x*(3*x+1)/(-1+x^2+2*x^3)$  lgdogf  
A052947 8.31933 [  $\{a(n+3)-a(n+1)-2*a(n), a(0) = 1, a(1) = 0, a(2) = 1\}$ , ogf]  
A052948 14.3655  $-(1-6*x^2+8*x^3)/(-1+2*x)/(x-1)/(2*x^2+2*x-1)$  lgdogf  
A052948 14.6617 [  $-(2*x-1)/(x-1)/(2*x^2+2*x-1)$  ogf]  
A052948 7.01889 [  $\{-a(n+3)+3*a(n+2)-2*a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A052949 10.2522 [  $-(x^3-4*x+2)/(x-1)/(x^3-x^2-2*x+1)$  ogf]  
A052949 10.5101  $-(2-4*x+x^6-11*x^4-5*x^2+18*x^3)/(x-1)/(x^3-x^2-2*x+1)/(x^3-4*x+2)$  lgdogf  
A052950 10.3375 [  $(x-2)*(x^2+x-1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A052950 11.4640  $(1+2*x+x^4-10*x^2+8*x^3)/(x-1)/(x-2)/(-1+2*x)/(x+1)/(x^2+x-1)$  lgdogf  
A052950 5.40370 [  $\{-a(n+4)+2*a(n+3)+a(n+2)-2*a(n+1), a(0) = 2, a(1) = 1, a(2) = 3, a(3) = 4\}$ , ogf]  
A052951 12.7703 [  $-(2*x+1)*(x-1)/(2*x-1)^2$  ogf]  
A052951 20.7299  $-(-5+2*x)/(x-1)/(2*x+1)/(-1+2*x)$  lgdogf  
A052951 6.57114 [  $\{-a(n+3)+4*a(n+2)-4*a(n+1), a(0) = 1, a(1) = 5, a(2) = 14\}$ , ogf]  
A052952 16.3739 [  $1/(x-1)/(x+1)/(x^2+x-1)$  ogf]  
A052952 16.4591  $-(-1-4*x+3*x^2+4*x^3)/(x-1)/(x+1)/(x^2+x-1)$  lgdogf  
A052953 11.8652 [  $-2*(x^2+x-1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A052953 13.3923  $-(1+2*x^4-5*x^2+4*x^3)/(x-1)/(-1+2*x)/(x+1)/(x^2+x-1)$  lgdogf  
A052953 6.46230 [  $\{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 2, a(1) = 2, a(2) = 4\}$ , ogf]

ogf]

A052954 11.5610  $-(1+2*x+x^6+2*x^5+4*x^4-3*x^2-6*x^3)/(x-1)/(x^3+x^2+x-2)/(x^3+x^2-1)$  lgdogf

A052954 11.6191 [  $-(x^3+x^2+x-2)/(x-1)/(x^3+x^2-1)$  ogf]

A052955 12.8061 [  $-(x^2-x-1)/(x-1)/(2*x^2-1)$  ogf]

A052955 14.7350  $-(2+2*x+2*x^4-3*x^2-4*x^3)/(x-1)/(2*x^2-1)/(x^2-x-1)$  lgdogf

A052955 6.97476 [  $\{-a(n+3)+a(n+2)+2*a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$ , ogf]

A052956 11.5335 [  $-(x^2+3*x-2)/(2*x-1)/(x^2+x-1)$  ogf]

A052956 11.8911  $-(3-6*x+2*x^4-6*x^2+12*x^3)/(-1+2*x)/(x^2+3*x-2)/(x^2+x-1)$  lgdogf

A052956 6.28165 [  $\{-a(n+3)+3*a(n+2)-a(n+1)-2*a(n), a(0) = 2, a(1) = 3, a(2) = 6\}$ , ogf]

A052957 11.4767 [  $-2*(x^2+x-1)/(2*x-1)/(2*x^2-1)$  ogf]

A052957 12.2539  $-(1+2*x+4*x^4-12*x^2+8*x^3)/(-1+2*x)/(2*x^2-1)/(x^2+x-1)$  lgdogf

A052957 6.25071 [  $\{-a(n+3)+2*a(n+2)+2*a(n+1)-4*a(n), a(0) = 2, a(1) = 2, a(2) = 6\}$ , ogf]

A052958 12.2332 [  $-(x-1)/(2*x^4-2*x^3-3*x+1)$  ogf]

A052958 12.7066  $-2*(1+3*x^4+3*x^2-6*x^3)/(x-1)/(2*x^4-2*x^3-3*x+1)$  lgdogf

A052959 13.6820 [  $-(2*x^2+x-2)/(x-1)/(x+1)/(x^2+x-1)$  ogf]

A052959 14.0760  $-(1+4*x+4*x^5+5*x^4-6*x^2-6*x^3)/(x-1)/(x+1)/(x^2+x-1)/(2*x^2+x-2)$  lgdogf

A052960 10.8079  $-(x+1)*(2*x^4+2*x^3-4*x^2+x+1)/(x^2+x-1)/(x^4+x^3-2*x^2-2*x+1)$  lgdogf

A052960 9.90670 [  $-(x^2+x-1)/(x^4+x^3-2*x^2-2*x+1)$  ogf]

A052961 17.1593 [  $-(3*x-1)/(3*x^2-5*x+1)$  ogf]

A052961 18.9784  $-1/6*(-1-5*x+(1-2*x+13*x^2)^{(1/2)})/(1+x)$  revogf

A052961 21.0871  $-(2-6*x+9*x^2)/(3*x-1)/(3*x^2-5*x+1)$  lgdogf

A052961 9.41671 [  $\{a(n+2)-5*a(n+1)+3*a(n), a(0) = 1, a(1) = 2\}$ , ogf]

A052962 11.9888 [  $-(2*x^2-1)/(2*x^4-3*x^2-x+1)$  ogf]

A052962 12.4005  $-(1+2*x+8*x^5+2*x^2-8*x^3)/(2*x^2-1)/(2*x^4-3*x^2-x+1)$  lgdogf

A052963 12.3749 [  $-(x^2+x-1)/(x^3-3*x+1)$  ogf]

A052963 16.0672  $-(2-2*x+x^4+2*x^3)/(x^2+x-1)/(x^3-3*x+1)$  lgdogf

A052963 6.97736 [  $\{-a(n+3)+3*a(n+2)-a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]

A052964 13.1944 [  $-(x-1)/(2*x-1)/(x^2-x-1)$  ogf]

A052964 16.8003  $-x*(6-9*x+4*x^2)/(-1+2*x)/(x-1)/(x^2-x-1)$  lgdogf

A052964 6.30002 [  $\{-a(n+3)+a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 0, a(2) = 3\}$ , ogf]

A052965 11.7528 [  $-(x-1)/(4*x^3-4*x^2-3*x+1)$  ogf]

A052965 12.7122  $-2*(1+4*x-8*x^2+4*x^3)/(x-1)/(4*x^3-4*x^2-3*x+1)$  lgdogf

A052965 5.51237 [  $\{-a(n+3)+3*a(n+2)+4*a(n+1)-4*a(n), a(0) = 1, a(1) = 2, a(2) = 10\}$ , ogf]

A052966 12.7064 [  $-(x-1)/(2*x^3-4*x^2-x+1)$  ogf]

A052966 15.7913  $-2*x*(4-5*x+2*x^2)/(x-1)/(2*x^3-4*x^2-x+1)$  lgdogf

A052966 6.06701 [  $\{-a(n+3)+a(n+2)+4*a(n+1)-2*a(n), a(0) = 1, a(1) = 0, a(2) = 4\}$ , ogf]

A052967 12.9631 [  $-(x-1)/(x^4-x^2-2*x+1)$  ogf]

A052967 14.6399  $-(1+2*x+3*x^4-x^2-4*x^3)/(x-1)/(x^4-x^2-2*x+1)$  lgdogf

A052968 10.3882 [  $(x^3-3*x^2+5*x-2)/(2*x-1)/(x-1)^2$  ogf]

A052968 13.2603  $(-3+11*x-11*x^2+x^3)/(-1+2*x)/(x-1)/(x^3-3*x^2+5*x-2)$  lgdogf

A052968 5.43019 [  $\{a(n+4)-4*a(n+3)+5*a(n+2)-2*a(n+1), a(0) = 2, a(1) = 3, a(2) = 5, a(3) = 8\}$ , ogf]

A052969 13.8860 [  $-(x-1)/(x^4-2*x^2-x+1)$  ogf]

A052969 16.4839  $-x*(4+3*x^3-2*x-4*x^2)/(x-1)/(x^4-2*x^2-x+1)$  lgdogf

A052970 13.6712 [  $-(2*x-1)/(2*x^3-2*x^2-2*x+1)$  ogf]

A052970 15.1972  $-2*x*(4*x^2-5*x+2)/(-1+2*x)/(2*x^3-2*x^2-2*x+1)$  lgdogf

A052970 6.52768 [  $\{-a(n+3)+2*a(n+2)+2*a(n+1)-2*a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf]

A052971 13.1528 [  $-(x-1)/(2*x^4-2*x^3-2*x+1)$  ogf]

A052971 13.9462  $-(1+6*x^4+6*x^2-12*x^3)/(x-1)/(2*x^4-2*x^3-2*x+1)$  lgdogf

A052972 10.9942 [  $-(x-1)*(x^2+x+1)/(x^5-x^3-x^2-x+1)$  ogf]

A052972 11.6734  $-(1+2*x-4*x^4+2*x^7+2*x^3)/(x-1)/(1+x+x^2)/(x^5-x^3-x^2-x+1)$  lgdogf  
A052973 12.3753  $[-(x-1)/(x^3-3*x^2-x+1)$  ogf]  
A052973 16.9892  $-2*x*(3-3*x+x^2)/(x-1)/(x^3-3*x^2-x+1)$  lgdogf  
A052973 5.90894  $[{-a(n+3)+a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = 3},$  ogf]  
A052974 11.6530  $[-(2*x-1)/(2*x^4-x^3-x^2-2*x+1)$  ogf]  
A052974 13.2176  $-x*(2+12*x^3+x-12*x^2)/(-1+2*x)/(2*x^4-x^3-x^2-2*x+1)$  lgdogf  
A052975 10.6431  $-(2-8*x+2*x^4+11*x^2-6*x^3)/(-1+2*x)/(x-1)/(x^3-6*x^2+5*x-1)$  lgdogf  
A052975 12.5640  $[-(2*x-1)*(x-1)/(x^3-6*x^2+5*x-1)$  ogf]  
A052975 6.84291  $[{-a(n+3)+5*a(n+2)-6*a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 6},$  ogf]  
A052976 12.5615  $[-(2*x-1)/(2*x^4-x^3-3*x+1)$  ogf]  
A052976 12.7956  $-(1+12*x^4+3*x^2-12*x^3)/(-1+2*x)/(2*x^4-x^3-3*x+1)$  lgdogf  
A052977 11.1916  $[-(x-1)*(x+1)/(x^5-x^3-x^2-x+1)$  ogf]  
A052977 13.7139  $-(1+3*x^6-6*x^4+4*x^2)/(x-1)/(x+1)/(x^5-x^3-x^2-x+1)$  lgdogf  
A052978 13.6043  $[-(2*x-1)/(4*x^3-2*x^2-4*x+1)$  ogf]  
A052978 6.38079  $[{-a(n+3)+4*a(n+2)+2*a(n+1)-4*a(n), a(0) = 1, a(1) = 2, a(2) = 10},$  ogf]  
A052978 9.49174  $-2*(1+2*x-8*x^2+8*x^3)/(-1+2*x)/(4*x^3-2*x^2-4*x+1)$  lgdogf  
A052979 11.4218  $-2*(1+2*x+2*x^5+x^2-4*x^3)/(x-1)/(x+1)/(2*x^4-3*x^2-2*x+1)$  lgdogf  
A052979 11.8535  $[-(x-1)*(x+1)/(2*x^4-3*x^2-2*x+1)$  ogf]  
A052980 15.2622  $[ (x-1)/(x^3+2*x-1)$  ogf]  
A052980 19.2303  $-(-1-3*x^2+2*x^3)/(x-1)/(x^3+2*x-1)$  lgdogf  
A052980 7.30636  $[{-a(n+3)+2*a(n+2)+a(n), a(0) = 1, a(1) = 1, a(2) = 2},$  ogf]  
A052981 14.2117  $[-(x-1)/(3*x^3-3*x^2-4*x+1)$  ogf]  
A052981 15.4238  $-3*(1+2*x-4*x^2+2*x^3)/(x-1)/(3*x^3-3*x^2-4*x+1)$  lgdogf  
A052981 6.66565  $[{-a(n+3)+4*a(n+2)+3*a(n+1)-3*a(n), a(0) = 1, a(1) = 3, a(2) = 15},$  ogf]  
A052982 12.1946  $-(1+4*x+3*x^4-2*x^2-4*x^3)/(x-1)/(x^4-2*x^2-2*x+1)$  lgdogf  
A052982 14.6958  $[-(x-1)/(x^4-2*x^2-2*x+1)$  ogf]  
A052984 14.0052  $[-(2*x-1)/(2*x^2-5*x+1)$  ogf]  
A052984 15.4423  $-1/4*(-1-5*x+(1+2*x+17*x^2)^{1/2})/(1+x)$  revogf  
A052984 16.6944  $-(3-4*x+4*x^2)/(-1+2*x)/(2*x^2-5*x+1)$  lgdogf  
A052984 7.68577  $[{a(n+2)-5*a(n+1)+2*a(n), a(0) = 1, a(1) = 3},$  ogf]  
A052985 10.4278  $[-(x-1)/(x^4-x^3+x^2-3*x+1)$  ogf]  
A052985 11.9791  $-(2-2*x+3*x^4+4*x^2-6*x^3)/(x-1)/(x^4-x^3+x^2-3*x+1)$  lgdogf  
A052986 12.8098  $-2*(1-x-2*x^2+4*x^3)/(x-1)/(-1+2*x)/(2*x^2+3*x-1)$  lgdogf  
A052986 14.3027  $[-(2*x-1)/(x-1)/(2*x^2+3*x-1)$  ogf]  
A052986 6.76824  $[{a(n+3)-4*a(n+2)+a(n+1)+2*a(n), a(0) = 1, a(1) = 2, a(2) = 7},$  ogf]  
A052987 11.9332  $[-(2*x^2-1)/(2*x^3-2*x^2-2*x+1)$  ogf]  
A052987 14.4940  $-2*(1+2*x^4-x^2)/(2*x^2-1)/(2*x^3-2*x^2-2*x+1)$  lgdogf  
A052987 6.07317  $[{a(n+3)-2*a(n+2)-2*a(n+1)+2*a(n), a(0) = 1, a(1) = 2, a(2) = 4},$  ogf]  
A052988 10.0991  $[-(x-1)*(x+1)/(x^4+x^3-2*x^2-2*x+1)$  ogf]  
A052988 10.3728  $-(2+2*x+2*x^5+x^4-x^2-4*x^3)/(x-1)/(x+1)/(x^4+x^3-2*x^2-2*x+1)$  lgdogf  
A052989 12.5522  $[-(x-1)/(x^5-x^4-x^2-x+1)$  ogf]  
A052989 15.0939  $-x*(2+4*x^4-8*x^3-x+4*x^2)/(x-1)/(x^5-x^4-x^2-x+1)$  lgdogf  
A052990 13.5436  $[-(x-1)/(2*x^3-x^2-4*x+1)$  ogf]  
A052990 16.0212  $-(3+2*x-7*x^2+4*x^3)/(x-1)/(2*x^3-x^2-4*x+1)$  lgdogf  
A052990 6.35230  $[{-a(n+3)+4*a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = 3, a(2) = 13},$  ogf]  
A052991 11.6001  $[ (x^2+x-1)/(x^2+3*x-1)$  ogf]  
A052991 19.4171  $2*(x^2+1)/(x^2+x-1)/(x^2+3*x-1)$  lgdogf  
A052991 6.02751  $[{a(n+3)-3*a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 6},$  ogf]  
A052992 17.3287  $-(-1-8*x+12*x^2)/(x-1)/(2*x+1)/(-1+2*x)$  lgdogf  
A052992 18.6401  $[ 1/(x-1)/(2*x+1)/(2*x-1)$  ogf]

A052992 6.15788 [ $\{a(n+3)-a(n+2)-4*a(n+1)+4*a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$ ,  
ogf]  
A052993 19.1220 [ $1/(x-1)/(3*x^2-1)$  ogf]  
A052993 22.3643  $-(-1-6*x+9*x^2)/(x-1)/(3*x^2-1)$  lgdogf  
A052993 6.31710 [ $\{a(n+3)-a(n+2)-3*a(n+1)+3*a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$ ,  
ogf]  
A052994 12.2901 [ $-2*x*(x-1)/(x^3-x^2-2*x+1)$  ogf]  
A052994 16.4341  $-(1+2*x-4*x^2+2*x^3)/(x-1)/(x^3-x^2-2*x+1)$  lgdogf  
A052994 6.31112 [ $\{a(n+3)-2*a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 2, a(2) = 2\}$ ,  
ogf]  
A052995 15.4789 [ $-2*x*(x-1)/(x^2-3*x+1)$  ogf]  
A052995 16.5756  $-1/2*(-2-3*x+(4+4*x+5*x^2)^{(1/2)})/(x+2)$  revogf  
A052995 21.5482  $-(2-2*x+x^2)/(x-1)/(x^2-3*x+1)$  lgdogf  
A052995 7.50958 [ $\{-a(n+3)+3*a(n+2)-a(n+1), a(0) = 0, a(1) = 2, a(2) = 4\}$ , ogf]  
A052996 12.0491 [ $-(x^3-x^2-1)/(2*x-1)/(x-1)$  ogf]  
A052996 12.6993  $(-3+2*x+2*x^4+6*x^2-6*x^3)/(x-1)/(-1+2*x)/(x^3-x^2-1)$  lgdogf  
A052996 5.97216 [ $\{a(n+4)-3*a(n+3)+2*a(n+2), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 17\}$ ,  
ogf]  
A052997 11.0901 [ $-(x^3-x-1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A052997 13.5257  $-(3+2*x+x^4-8*x^2)/(x-1)/(-1+2*x)/(x+1)/(x^3-x-1)$  lgdogf  
A052997 5.08644 [ $\{a(n+4)-2*a(n+3)-a(n+2)+2*a(n+1), a(0) = 1, a(1) = 3, a(2) = 7,$   
 $a(3) = 14\}$ , ogf]  
A053069 7.82424  $(10-6*x-1980*x^6+1080*x^5+8*x^4+9*x^2+900*x^7-19*x^3)/(x-1)/$   
 $(180*x^7-180*x^6+4*x^4-3*x^3+6*x^2-6*x-2)$  lgdogf  
A053069 9.05678 [ $-(180*x^7-180*x^6+4*x^4-3*x^3+6*x^2-6*x-2)/(x-1)^2$  ogf]  
A053088 21.1910 [ $-1/(2*x-1)/(x+1)^2$  ogf]  
A053088 36.2533  $-6*x/(x+1)/(-1+2*x)$  lgdogf  
A053088 7.51938 [ $\{-a(n+3)+3*a(n+1)+2*a(n), a(0) = 1, a(1) = 0, a(2) = 3\}$ , ogf]  
A053090 16.5144  $-6*x*(1+x+x^2+x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A053090 28.7504 [ $-x^5+2*x^2+3*x$  ogf\_with\_Euler\_transform]  
A053090 8.29392 [ $(x^2-x+1)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A053100 30.9733  $-13+(1-6*x)*f(x)$  lgdegf  
A053100 5.62672 [ $\{(-6*n-19)*a(n+1)+a(n+2), a(0) = 1, a(1) = 13\}$ , ogf]  
A053101 31.1426  $-14+(1-6*x)*f(x)$  lgdegf  
A053101 5.65681 [ $\{(-6*n-20)*a(n+1)+a(n+2), a(0) = 1, a(1) = 14\}$ , ogf]  
A053101 7.32766  $1/6*(-1+(1+8*x)^{(1/4)})*((1+8*x)^{(1/2)}+(1+8*x)^{(1/4)}+1)/$   
 $(1+8*x)^{(3/4)}$  revogf  
A053102 31.3118  $-15+(1-6*x)*f(x)$  lgdegf  
A053102 5.68690 [ $\{(-6*n-21)*a(n+1)+a(n+2), a(0) = 1, a(1) = 15\}$ , ogf]  
A053102 9.27758  $1/6*(-1+(1+9*x)^{(1/3)})*((1+9*x)^{(1/3)}+1)/(1+9*x)^{(2/3)}$  revogf  
A053103 31.4811  $-16+(1-6*x)*f(x)$  lgdegf  
A053103 5.71700 [ $\{(-6*n-22)*a(n+1)+a(n+2), a(0) = 1, a(1) = 16\}$ , ogf]  
A053103 7.09433  $1/6*((10*x+1)^{(1/5)}-1)*((10*x+1)^{(2/5)}+(10*x+1)^{(1/5)}+1)/(10*x$   
 $+1)^{(3/5)}$  revogf  
A053104 27.2153  $-15+(1-7*x)*f(x)$  lgdegf  
A053104 4.95557 [ $\{(-7*n-22)*a(n+1)+a(n+2), a(0) = 1, a(1) = 15\}$ , ogf]  
A053105 27.3802  $-16+(1-7*x)*f(x)$  lgdegf  
A053105 4.98489 [ $\{(-7*n-23)*a(n+1)+a(n+2), a(0) = 1, a(1) = 16\}$ , ogf]  
A053106 27.5452  $-17+(1-7*x)*f(x)$  lgdegf  
A053106 5.01421 [ $\{(-7*n-24)*a(n+1)+a(n+2), a(0) = 1, a(1) = 17\}$ , ogf]  
A053107 27.9268  $-64+(1-8*x)*f(x)$  lgdogf  
A053107 4.31755 [ $\{(-n-2)*a(n+2)+(72+8*n)*a(n+1), a(0) = 1, a(1) = 64\}$ , ogf]  
A053108 29.2808  $-81+(1-9*x)*f(x)$  lgdogf  
A053108 4.52193 [ $\{(-n-2)*a(n+2)+(90+9*n)*a(n+1), a(0) = 1, a(1) = 81\}$ , ogf]  
A053109 27.3814  $-100+(1-10*x)*f(x)$  lgdogf  
A053109 4.62107 [ $\{(-n-2)*a(n+2)+(110+10*n)*a(n+1), a(0) = 1, a(1) = 100\}$ , ogf]  
A053110 13.6441  $1/7*(-1+(1+49*x)^{(1/7)})/(1+49*x)^{(1/7)}$  revogf  
A053110 3.13497 [ $-(16807*x^6-16807*x^5+7203*x^4-1715*x^3+245*x^2-21*x+1)/$   
 $(7*x-1)^7$  ogf]  
A053110 4.99821 [ $\{(7*n+63)*a(n+1)+(-n-3)*a(n+2), a(0) = 1, a(1) = 28\}$ , ogf]  
A053111 12.7685  $1/8*(-1+(1+64*x)^{(1/8)})/(1+64*x)^{(1/8)}$  revogf

A053111 4.68202 [ $\{(8n+80)a(n+1)+(-n-3)a(n+2), a(0) = 1, a(1) = 36\}$ , ogf]  
A053112 13.5711  $1/9*(-1+(1+81x)^{(1/9)})/(1+81x)^{(1/9)}$  revogf  
A053112 4.96974 [ $\{(9n+99)a(n+1)+(-n-3)a(n+2), a(0) = 1, a(1) = 45\}$ , ogf]  
A053113 12.5734  $1/10*(-1+(1+100x)^{(1/10)})/(1+100x)^{(1/10)}$  revogf  
A053113 5.10875 [ $\{(10n+120)a(n+1)+(-n-3)a(n+2), a(0) = 1, a(1) = 55\}$ , ogf]  
A053114 27.7101  $-17+(1-8x)*f(x)$  lgdegf  
A053114 5.04353 [ $\{(-8n-25)a(n+1)+a(n+2), a(0) = 1, a(1) = 17\}$ , ogf]  
A053115 27.7101  $-18+(1-8x)*f(x)$  lgdegf  
A053115 5.04353 [ $\{(-8n-26)a(n+1)+a(n+2), a(0) = 1, a(1) = 18\}$ , ogf]  
A053115 5.91149  $1/8*((10x+1)^{(1/5)}-1)*((10x+1)^{(1/5)}+1)*((10x+1)^{(2/5)}+1)/(10x+1)^{(4/5)}$  revegf  
A053116 28.6998  $-19+(1-9x)*f(x)$  lgdegf  
A053116 5.21948 [ $\{(-9n-28)a(n+1)+a(n+2), a(0) = 1, a(1) = 19\}$ , ogf]  
A053126 18.5170  $-(35+42x+3x^2)/(x-1)/(x^2+10x+5)$  lgdogf  
A053126 8.27445 [ $-(x^2+10x+5)/(x-1)^5$  ogf]  
A053127 17.8333  $-4*(7+14x+3x^2)/(x-1)/(x+3)/(3x+1)$  lgdogf  
A053127 7.56672 [ $2*(x+3)*(3x+1)/(x-1)^6$  ogf]  
A053128 15.8384  $-4*(21+63x+27x^2+x^3)/(x-1)/(x^3+21x^2+35x+7)$  lgdogf  
A053128 6.36950 [ $\{(-2n^2-21n-55)a(n+1)+(2n^2+9n+10)a(n+2), a(0) = 7, a(1) = 84\}$ , ogf]  
A053128 7.38148 [ $-(x^3+21x^2+35x+7)/(x-1)^7$  ogf]  
A053129 14.4456  $-(15+63x+45x^2+5x^3)/(x-1)/(x+1)/(x^2+6x+1)$  lgdogf  
A053129 5.53701 [ $\{(2n^2+23n+66)a(n+1)+(-2n^2-9n-10)a(n+2), a(0) = 8, a(1) = 120\}$ , ogf]  
A053129 5.96660 [ $8*(x+1)*(x^2+6x+1)/(x-1)^8$  ogf]  
A053130 4.47711 [ $-(x+3)*(x^3+33x^2+27x+3)/(x-1)^9$  ogf]  
A053130 4.90691 [ $\{(2n^2+25n+78)a(n+1)+(-2n^2-9n-10)a(n+2), a(0) = 9, a(1) = 165\}$ , ogf]  
A053130 9.10078  $-(165+924x+5x^4+990x^2+220x^3)/(x+3)/(x-1)/(x^3+33x^2+27x+3)$  lgdogf  
A053131 3.93946 [ $2*(x^2+10x+5)*(5x^2+10x+1)/(x-1)^{10}$  ogf]  
A053131 4.87743 [ $\{(2n^2+27n+91)a(n+1)+(-2n^2-9n-10)a(n+2), a(0) = 10, a(1) = 220\}$ , ogf]  
A053131 8.60020  $-2*(55+396x+15x^4+594x^2+220x^3)/(x-1)/(x^2+10x+5)/(5x^2+10x+1)$  lgdogf  
A053132 18.2837  $-4*(7+14x+3x^2)/(x-1)/(x+3)/(3x+1)$  lgdogf  
A053132 7.75542 [ $(x+3)*(3x+1)/(x-1)^6$  ogf]  
A053133 4.16074 [ $(x^2+10x+5)*(5x^2+10x+1)/(x-1)^{10}$  ogf]  
A053133 5.05946 [ $\{(2n^2+27n+91)a(n+1)+(-2n^2-9n-10)a(n+2), a(0) = 5, a(1) = 110\}$ , ogf]  
A053133 8.85314  $-2*(55+396x+15x^4+594x^2+220x^3)/(x-1)/(x^2+10x+5)/(5x^2+10x+1)$  lgdogf  
A053134 10.2460 [ $-(5x^2+10x+1)/(x-1)^5$  ogf]  
A053134 21.7631  $-5*(x+3)*(3x+1)/(x-1)/(5x^2+10x+1)$  lgdogf  
A053134 4.03783 [ $\{(n+4)a(n+4)+(12+9n)a(n+3)+(-60-5n)a(n+2)+(-20-5n)a(n+1), a(0) = 1, a(1) = 15, a(2) = 70, a(3) = 210\}$ , ogf]  
A053135 15.4880  $-28*(x+1)*(x^2+6x+1)/(x-1)/(7x^3+35x^2+21x+1)$  lgdogf  
A053135 6.28169 [ $\{(2n^2+19n+45)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 28\}$ , ogf]  
A053135 7.22101 [ $-(7x^3+35x^2+21x+1)/(x-1)^7$  ogf]  
A053136 10.9681  $-4*(x+3)*(x^3+33x^2+27x+3)/(x-1)/(x^4+28x^3+70x^2+28x+1)$  lgdogf  
A053136 5.45791 [ $(x^4+28x^3+70x^2+28x+1)/(x-1)^8$  ogf]  
A053136 5.54666 [ $\{(2n^2+21n+55)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 36\}$ , ogf]  
A053137 11.6122  $-9*(x^2+10x+5)*(5x^2+10x+1)/(x-1)/(3x+1)/(3x^3+27x^2+33x+1)$  lgdogf  
A053137 5.69150 [ $-(3x+1)*(3x^3+27x^2+33x+1)/(x-1)^9$  ogf]  
A053137 6.33931 [ $\{(2n^2+23n+66)a(n+1)+(-2n^2-7n-6)a(n+2), a(0) = 1, a(1) = 45\}$ , ogf]  
A053138 4.78100 [ $(x+1)*(x^4+44x^3+166x^2+44x+1)/(x-1)^{10}$  ogf]



A053138 6.29693 [ $\{(2*n^2+25*n+78)*a(n+1)+(-2*n^2-7*n-6)*a(n+2), a(0) = 1, a(1) = 55\}$ , ogf]  
A053138 7.78622  $-5*(11+165*x+x^5+55*x^4+462*x^2+330*x^3)/(x-1)/(x+1)/(x^4+44*x^3+166*x^2+44*x+1)$  lgdogf  
A053141 12.6517 [ $-2*x/(x-1)/(x^2-6*x+1)$  ogf]  
A053141 16.9755  $-(7-14*x+3*x^2)/(x-1)/(x^2-6*x+1)$  lgdogf  
A053141 5.08326 [ $\{a(n+3)-7*a(n+2)+7*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 14\}$ , ogf]  
A053142 13.4404 [ $-x/(x-1)/(x^2-6*x+1)$  ogf]  
A053142 16.4220  $-(7-14*x+3*x^2)/(x-1)/(x^2-6*x+1)$  lgdogf  
A053142 4.96449 [ $\{a(n+3)-7*a(n+2)+7*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 7\}$ , ogf]  
A053152 11.6699  $-(-9+44*x-69*x^2+36*x^3)/(x-1)/(3*x-1)/(-1+2*x)/(3*x-2)$  lgdogf  
A053152 13.1564 [ $x*(3*x-2)/(2*x-1)/(3*x-1)/(x-1)$  ogf]  
A053152 6.81316 [ $\{-a(n+3)+6*a(n+2)-11*a(n+1)+6*a(n), a(0) = 0, a(1) = 2, a(2) = 9\}$ , ogf]  
A053153 4.77831 [ $-x^2*(280*x^3-335*x^2+116*x-13)/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A053154 7.48004  $-(6*x^2-4*x+1)*(56*x^3-81*x^2+36*x-5)/(x-1)/(3*x-1)/(-1+2*x)/(4*x-1)/(7*x^2-5*x+1)$  lgdogf  
A053154 8.08958 [ $x*(7*x^2-5*x+1)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A053155 4.14616 [ $x*(1224*x^5-1562*x^4+787*x^3-190*x^2+22*x-1)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A053156 10.6151 [ $-(3*x^2-3*x+1)/(2*x-1)/(3*x-1)/(x-1)$  ogf]  
A053156 5.77312 [ $\{a(n+3)-6*a(n+2)+11*a(n+1)-6*a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]  
A053156 9.62841  $-(3-16*x+18*x^4+33*x^2-36*x^3)/(x-1)/(3*x-1)/(-1+2*x)/(3*x^2-3*x+1)$  lgdogf  
A053157 4.45929 [ $-(280*x^5-475*x^4+339*x^3-112*x^2+17*x-1)/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A053208 13.4660 [ $x*(x+3)/(2*x-1)/(x-1)$  ogf]  
A053208 15.8446  $-1/2*(-3-3*x+(9+22*x+x^2)^{1/2})/(-1+2*x)$  revogf  
A053208 18.0453  $-2*(-5+6*x+x^2)/(x-1)/(x+3)/(-1+2*x)$  lgdogf  
A053208 6.46895 [ $\{a(n+3)-3*a(n+2)+2*a(n+1), a(0) = 0, a(1) = 3, a(2) = 10\}$ , ogf]  
A053209 12.7064 [ $(x+1)^2/(2*x-1)/(x-1)$  ogf]  
A053209 21.9944  $-(-5+7*x)/(x-1)/(-1+2*x)/(x+1)$  lgdogf  
A053209 6.53823 [ $\{-a(n+3)+3*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 5, a(2) = 14\}$ , ogf]  
A053220 17.4752 [ $(x+1)/(2*x-1)^2$  ogf]  
A053220 20.8824  $-1/2*(-1-4*x+(1+12*x)^{1/2})/(-1+4*x)$  revogf  
A053220 33.5934  $-(2*x+5)/(x+1)/(-1+2*x)$  lgdogf  
A053220 9.59005 [ $\{-a(n+2)+4*a(n+1)-4*a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A053221 14.5672  $-(5-13*x+6*x^2+4*x^3)/(x-1)/(-1+2*x)/(x^2+x-1)$  lgdogf  
A053221 9.62763 [ $-(x^2+x-1)/(2*x-1)^2/(x-1)^2$  ogf]  
A053295 18.8108  $-(-7+5*x+8*x^2)/(x-1)/(x^2+x-1)$  lgdogf  
A053295 7.10076 [ $-1/(x^2+x-1)/(x-1)^6$  ogf]  
A053296 19.3684  $-(3*x+4)*(3*x-2)/(x-1)/(x^2+x-1)$  lgdogf  
A053296 4.84159 [ $\{(-n-4)*a(n+4)+(14+2*n)*a(n+3)-6*a(n+2)+(-10-n)*a(n+1), a(0) = 1, a(1) = 8, a(2) = 37, a(3) = 129\}$ , ogf]  
A053296 9.52867 [ $1/(x^2+x-1)/(x-1)^7$  ogf]  
A053297 12.1622  $-(-5+16*x-18*x^2+8*x^3)/(x-1)/(-1+2*x)/(2*x^2-4*x+1)$  lgdogf  
A053297 9.08654 [ $(2*x-1)*(x-1)/(2*x^2-4*x+1)^2$  ogf]  
A053298 14.1114  $-(-8-4*x+15*x^2+12*x^3)/(x-1)/(2*x+1)/(x^2+x-1)$  lgdogf  
A053298 7.77976 [ $(2*x+1)/(x^2+x-1)/(x-1)^5$  ogf]  
A053307 19.1875  $-(1+6*x-3*x^2+4*x^3)/(x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A053307 24.7661  $[-x^5+x^2+3*x+1$  ogf\_with\_Euler\_transform]  
A053307 9.66499 [ $(x^2-x+1)/(x+1)^2/(x-1)^4$  ogf]  
A053308 19.9932  $-(-9+7*x+10*x^2)/(x-1)/(x^2+x-1)$  lgdogf  
A053308 3.53033 [ $\{(-n-4)*a(n+4)+(15+2*n)*a(n+3)-7*a(n+2)+(-11-n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 46, a(3) = 175\}$ , ogf]  
A053308 6.22010 [ $-1/(x^2+x-1)/(x-1)^8$  ogf]

A053309 19.1758  $-( -10+8*x+11*x^2)/(x-1)/(x^2+x-1)$  lgdogf  
A053309 3.47304  $[ \{ (-n-4)*a(n+4)+(16+2*n)*a(n+3)-8*a(n+2)+(-12-n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 56, a(3) = 231 \},$  ogf]  
A053309 5.47445  $[ 1/(x^2+x-1)/(x-1)^9$  ogf]  
A053310 27.4906  $-6*(3*x+2)/(2*x+1)/(x-1)$  lgdogf  
A053310 4.37081  $[ \{ (-n-3)*a(n+3)+(10-n)*a(n+2)+(20+2*n)*a(n+1), a(0) = 1, a(1) = 12, a(2) = 75 \},$  ogf]  
A053310 5.42826  $[ (2*x+1)/(x-1)^{10}$  ogf]  
A053311 14.5299  $[ (3*x+1)/(x-1)/(x^2+x-1)$  ogf]  
A053311 15.6064  $-( -5+3*x^2+6*x^3)/(x-1)/(3*x+1)/(x^2+x-1)$  lgdogf  
A053311 6.88260  $[ \{ a(n+3)-2*a(n+2)+a(n), a(0) = 1, a(1) = 5, a(2) = 10 \},$  ogf]  
A053347 29.6935  $-2*(4*x+5)/(x-1)/(x+1)$  lgdogf  
A053347 29.9898  $[ [10-x]$  ogf\_with\_Euler\_transform]  
A053347 4.86661  $[ \{ (-n-3)*a(n+3)+10*a(n+2)+(9+n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 54 \},$  ogf]  
A053347 6.11674  $[ -(x+1)/(x-1)^9$  ogf]  
A053367 20.1276  $-(11+16*x)/(2*x+1)/(x-1)$  lgdogf  
A053367 5.76203  $[ \{ (-n-3)*a(n+3)+(9-n)*a(n+2)+(18+2*n)*a(n+1), a(0) = 1, a(1) = 11, a(2) = 63 \},$  ogf]  
A053367 8.08798  $[ -(2*x+1)/(x-1)^9$  ogf]  
A053368 11.3082  $-3-6*x-2*x^2+((x^2+3*x+1)*(2*x+3)^2)^{(1/2)}$  revogf  
A053368 4.63249  $[ \{ (-4*n^2-14*n-12)*a(n+1)+(-3*n^2-22*n-39)*a(n+2)+(n^2+7*n+12)*a(n+3), a(0) = 2, a(1) = 7, a(2) = 24 \},$  ogf]  
A053369 4.66152  $[ \{ (-12*n^2-42*n-36)*a(n+1)+(-n^2-14*n-33)*a(n+2)+(n^2+7*n+12)*a(n+3), a(0) = 2, a(1) = 9, a(2) = 32 \},$  ogf]  
A053369 9.13356  $-5/9-10/9*x-2/9*x^2+1/9*((x^2+5*x+1)*(2*x+5)^2)^{(1/2)}$  revogf  
A053387 4.96423  $[ -x*(57*x^48-18*x^40+7*x^32-10*x^24-23*x^16-x^8-3)/(x-1)/(x+1)/(13*x^48-x^32-8*x^16-1)$  ogf]  
A053404 18.3205  $1/24/x*(-1-x+(1+2*x+49*x^2)^{(1/2)})$  revogf  
A053404 18.6944  $[ -1/(3*x+1)/(4*x-1)$  ogf]  
A053404 24.9159  $-(1+24*x)/(3*x+1)/(4*x-1)$  lgdogf  
A053404 7.65795  $[ \{-a(n+2)+a(n+1)+12*a(n), a(0) = 1, a(1) = 1 \},$  ogf]  
A053410 11.5013  $[ -16*x/(x-1)/(x+1)/(x^2-10*x+1)$  ogf]  
A053410 12.3498  $-2*(5-15*x^2+2*x^3)/(x-1)/(x+1)/(x^2-10*x+1)$  lgdogf  
A053422 11.3479  $[ -x*(10*x^2-1)/(10*x-1)^2/(x-1)^2$  ogf]  
A053422 17.4282  $-2*(11-30*x+100*x^3)/(x-1)/(10*x-1)/(-1+10*x^2)$  lgdogf  
A053422 4.60222  $[ \{ (10*n^2+50*n+60)*a(n+1)+(-11*n^2-44*n-33)*a(n+2)+(n^2+3*n+2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 22 \},$  ogf]  
A053428 17.1825  $1/40/x*(-1-x+(1+2*x+81*x^2)^{(1/2)})$  revogf  
A053428 17.5462  $[ -1/(4*x+1)/(5*x-1)$  ogf]  
A053428 23.3683  $-(1+40*x)/(1+4*x)/(5*x-1)$  lgdogf  
A053428 7.18760  $[ \{-a(n+2)+a(n+1)+20*a(n), a(0) = 1, a(1) = 1 \},$  ogf]  
A053430 16.4404  $1/60/x*(-1-x+(1+2*x+121*x^2)^{(1/2)})$  revogf  
A053430 17.2821  $[ -1/(5*x+1)/(6*x-1)$  ogf]  
A053430 23.0166  $-(1+60*x)/(5*x+1)/(6*x-1)$  lgdogf  
A053430 7.07942  $[ \{-a(n+2)+a(n+1)+30*a(n), a(0) = 1, a(1) = 1 \},$  ogf]  
A053436 6.29053  $[ -(x^6-x^5-4*x^4+2*x^3+4*x^2-x-2)/(x+1)^3/(x-1)^4$  ogf]  
A053436 9.28516  $-( -3-7*x-x^6-7*x^5-x^4+4*x^2+x^7+6*x^3)/(x-1)/(x+1)/(x^6-x^5-4*x^4+2*x^3+4*x^2-x-2)$  lgdogf  
A053438 13.1933  $[ (2*x^3+x+1)/(x+1)/(x-1)^2$  ogf]  
A053438 17.9155  $-2*(1+2*x+4*x^2+x^3)/(x-1)/(x+1)/(2*x^3+x+1)$  lgdogf  
A053438 6.09689  $[ \{ a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 6 \},$  ogf]  
A053439 15.0196  $-2*(1+3*x+2*x^4+5*x^2+x^3)/(x-1)/(x+1)/(2*x^3+x+1)$  lgdogf  
A053439 9.95723  $[ -(2*x^3+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A053441 11.5096  $-2*x*(x-1)*(x^2+x+1)*(3*x^4+6*x+4)/(x+1)/(x^2-x-1)/(2*x^3+1)/(x^3+2*x-1)$  lgdogf  
A053441 13.7586  $[ (2*x^3+1)/(x+1)/(x^2-x-1)/(x^3+2*x-1)$  ogf]  
A053455 10.1930  $[ \{-a(n+2)+2*a(n+1)+48*a(n), a(0) = 0, a(1) = 1 \},$  ogf]  
A053455 16.4569  $1/96/x*(-1-2*x+(1+4*x+196*x^2)^{(1/2)})$  revogf  
A053455 21.7466  $-2*(1+48*x)/(6*x+1)/(-1+8*x)$  lgdogf

A053455 21.9954 [  $-x/(6*x+1)/(8*x-1)$  ogf]  
A053464 16.1795 [  $x/(5*x-1)^2$  ogf]  
A053464 23.2145  $4*x/(1+(1+20*x)^{1/2})^2$  revogf  
A053464 50.6497  $-10/(5*x-1)$  lgdogf  
A053464 6.82266 [  $\{a(n+2)-10*a(n+1)+25*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A053469 17.2041 [  $1/(6*x-1)^2$  ogf]  
A053469 24.5900  $4*x/(1+(1+24*x)^{1/2})^2$  revogf  
A053469 53.6508  $-12/(6*x-1)$  lgdogf  
A053469 7.08402 [  $\{-a(n+2)+12*a(n+1)-36*a(n), a(0) = 1, a(1) = 12\}$ , ogf]  
A053481 11.8564  $-(11-23*x+6*x^2+8*x^3)/(x-1)/(-1+2*x)/(2*x^2+x-2)$  lgdegf  
A053481 8.34544 [  $-(2*x^2+x-2)/(2*x-1)^2/(x-1)^2$  egf]  
A053482 10.7117  $52-91*x+26*x^2+(-1+18*x-20*x^2)*f(x)+(-3+9*x-6*x^2)*f(x)^2$   
lgdegf  
A053482 3.10321 [  $\{(2*n^2+10*n+12)*a(n+1)+(-2*n^2-17*n-33)*a(n+2)+(3*n+13)*a(n$   
 $+3)-a(n+4), a(0) = 1, a(1) = 4, a(2) = 21, a(3) = 142\}$ , ogf]  
A053486 37.7879  $-4+3*x+(1-x)*f(x)$  lgdegf  
A053486 4.84868 [  $\{(-3*n-6)*a(n+1)+(n+6)*a(n+2)-a(n+3), a(0) = 1, a(1) = 4, a(2)$   
 $= 17\}$ , ogf]  
A053487 39.3997  $-5+4*x+(1-x)*f(x)$  lgdegf  
A053487 5.05164 [  $\{(-4*n-8)*a(n+1)+(n+7)*a(n+2)-a(n+3), a(0) = 1, a(1) = 5, a(2)$   
 $= 26\}$ , ogf]  
A053489 10.1822  $-n^2*a(n)+(3*n^2+6*n+3)*a(n+1)+(-6*n-4-2*n^2)*a(n$   
 $+2), a(0)=0, a(1)=4$  lgdegf  
A053490 9.63341  $n^2*a(n)+(-3*n^2-6*n-3)*a(n+1)+(6*n+4+2*n^2)*a(n$   
 $+2), a(0)=0, a(1)=6$  lgdegf  
A053491 9.47903  $2*n^2*a(n)+(-3*n^2-6*n-3)*a(n+1)+(3*n+2+n^2)*a(n$   
 $+2), a(0)=0, a(1)=4$  lgdegf  
A053493 3.89661 [  $\{(n^3+15*n^2+77*n+135)*a(n+1)+(6*n^2+48*n+102)*a(n+2)+(-$   
 $n^3-9*n^2-29*n-33)*a(n+3), a(0) = 1, a(1) = 10, a(2) = 56\}$ , ogf]  
A053493 6.87033 [  $-(x^4+4*x^3+10*x^2+4*x+1)/(x+1)/(x-1)^7$  ogf]  
A053493 8.75242  $-2*(5+26*x+2*x^5+13*x^4+50*x^2+44*x^3)/(x-1)/(x+1)/$   
 $(x^4+4*x^3+10*x^2+4*x+1)$  lgdogf  
A053496 15.6139  $1+x+x^2+x^5+(-3-2*x-2*x^2-2*x^5)*f(x)+2*f(x)^2$  lgdegf  
A053497 12.7626  $a(n+7), a(0)=1, a(1)=0, a(2)=0, a(3)=0, a(4)=0, a(5)=0, a(6)=1$  lgdegf  
A053498 5.77598  $(48-32*n+4*n^2)*a(n+1)+(-48-12*n+6*n^2)*a(n$   
 $+3)+(7*n-84+7*n^2)*a(n$   
 $+4), a(0)=1, a(1)=1, a(2)=0, a(3)=1, a(4)=0, a(5)=0, a(6)=0, a(7)=1$  lgdegf  
A053499 11.0239  $-3-5*x^2-3*x^4+(6+5*x^2+3*x^4)*f(x)+(-3-3*x^4)*f(x)^2+x^4*f(x)^3$   
lgdegf  
A053500 5.64165  $(-48*n+22*n^2-2*n^3)*a(n+1)+(12*n-84+21*n^2-3*n^3)*a(n$   
 $+2), a(0)=1, a(1)=1, a(2)=0, a(3)=0, a(4)=1, a(5)=0, a(6)=0, a(7)=0, a(8)=0, a(9)=1$  lgdegf  
A053501 4.86850 [  $(x+55/x+165/x^7+330/x^3+11/x^9-462/x^4-55/x^8-330/x^6-165/$   
 $x^2-1/x^{10}+462/x^5-3628811)*x^{10}/(x-1)^{11}$  ogf\_with\_Euler\_transform]  
A053501 8.12384  
 $a(n), a(0)=1, a(1)=0, a(2)=0, a(3)=0, a(4)=0, a(5)=0, a(6)=0, a(7)=0, a(8)=0, a(9)=0, a(10)$   
 $=1$  lgdegf  
A053504 25.7587  $1+x+x^2+x^3+x^5+x^7+x^{11}$  lgdegf  
A053524 17.6578 [  $-x/(2*x+1)/(6*x-1)$  ogf]  
A053524 18.3775  $1/24/x*(-1-4*x+(1+8*x+64*x^2)^{1/2})$  revogf  
A053524 25.4457  $-4*(6*x+1)/(2*x+1)/(6*x-1)$  lgdogf  
A053524 8.18287 [  $\{-a(n+2)+4*a(n+1)+12*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A053526 19.0889  $-5*(22-2*x+x^2)/(x-1)/(x^2-2*x+16)$  lgdogf  
A053526 6.12287 [  $-x^4*(x^2-2*x+16)/(x-1)^7$  ogf]  
A053527 4.71422 [  $x^4*(2*x^4-18*x^3+27*x^2-113*x-3)/(x-1)^9$  ogf]  
A053527 9.76517  $-5*(-28-170*x+2*x^4+27*x^2-20*x^3)/(x-1)/$   
 $(2*x^4-18*x^3+27*x^2-113*x-3)$  lgdogf  
A053528 4.15960 [  $-3*x^5*(7*x^5-43*x^4+137*x^3-153*x^2+347*x+20)/(x-1)^{11}$  ogf]  
A053528 8.87743  $-7*(81+452*x+6*x^5-38*x^4-138*x^2+132*x^3)/(x-1)/$   
 $(7*x^5-43*x^4+137*x^3-153*x^2+347*x+20)$  lgdogf  
A053529 4.39982 [  $(x^{10}-x^9-x^8+x^7+x^6+x^5-x^4-x^3+1)/(x+1)/$   
 $(3*x^7+x^6-2*x^4-2*x^3+1)/(x-1)^2$  egf]

A053530 6.69883  $-a(n+1)*n+(-3-n+n^2)*a(n+2)+(7*n+3+2*n^2)*a(n+3)+(7*n+12+n^2)*a(n+4)$ ,  $a(0)=0, a(1)=1, a(2)=3/2, a(3)=2/3$  lgdegf  
A053531 5.55354  $(-60*n+35*n^2-5*n^3)*a(n)+(2*n+66-46*n^2+18*n^3)*a(n+1)+(50*n-48+11*n^2-13*n^3)*a(n+2)$ ,  $a(0)=0, a(1)=0, a(2)=0, a(3)=1/6$  lgdegf  
A053532 38.5481  $x^3+(-2+2*x)*f(x)$  lgdegf  
A053532 4.11533  $[ \{ (-2*n-10)*a(n+5)+(2*n+8)*a(n+4)+a(n+1), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1/8 \}, egf ]$   
A053533 3.76984  $[ \{ (-2*n-12)*a(n+6)+(2*n+10)*a(n+5)+a(n+1), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 1/10 \}, egf ]$   
A053533 38.3636  $x^4+(-2+2*x)*f(x)$  lgdegf  
A053535 16.8006  $[ -1/(3*x+1)/(9*x-1) ogf ]$   
A053535 21.5171  $-6*(1+9*x)/(3*x+1)/(9*x-1)$  lgdogf  
A053535 6.88218  $[ \{ -a(n+2)+6*a(n+1)+27*a(n), a(0) = 1, a(1) = 6 \}, ogf ]$   
A053536 2.75436  $[ \{ -a(n+2)+8*a(n+1)+48*a(n), a(0) = 1, a(1) = 8 \}, ogf ]$   
A053536 6.72388  $[ -1/(4*x+1)/(12*x-1) ogf ]$   
A053536 7.80972  $-8*(12*x+1)/(1+4*x)/(12*x-1)$  lgdogf  
A053537 5.75497  $[ -1/(5*x+1)/(15*x-1) ogf ]$   
A053537 6.61490  $-10*(1+15*x)/(5*x+1)/(15*x-1)$  lgdogf  
A053539 17.6320  $[ x/(8*x-1)^2 ogf ]$   
A053539 25.3389  $4*x/(1+(1+32*x)^(1/2))^2$  revogf  
A053539 50.6778  $-16/(-1+8*x)$  lgdogf  
A053539 7.43518  $[ \{ a(n+2)-16*a(n+1)+64*a(n), a(0) = 0, a(1) = 1 \}, ogf ]$   
A053540 19.9430  $[ 1/(9*x-1)^2 ogf ]$   
A053540 28.5843  $4*x/(1+(1+36*x)^(1/2))^2$  revogf  
A053540 62.3657  $-18/(9*x-1)$  lgdogf  
A053540 8.21182  $[ \{ -a(n+2)+18*a(n+1)-81*a(n), a(0) = 1, a(1) = 18 \}, ogf ]$   
A053541 14.2448  $[ 1/(10*x-1)^2 ogf ]$   
A053541 20.8949  $4*x/(1+(1+40*x)^(1/2))^2$  revogf  
A053541 38.5752  $-20/(-1+10*x)$  lgdogf  
A053541 5.96292  $[ \{ -a(n+2)+20*a(n+1)-100*a(n), a(0) = 1, a(1) = 20 \}, ogf ]$   
A053545 11.5525  $[ x*(2*x^2-2*x+1)/(x-1)/(2*x-1)^3 ogf ]$   
A053545 16.4623  $-(-5+12*x-14*x^2+8*x^3)/(x-1)/(-1+2*x)/(2*x^2-2*x+1)$  lgdogf  
A053553 17.6018  $1/2*(-4-2*x+3*x^2+2*x^3)/(x-1)/(x+1)$  lgdegf  
A053553 3.10590  $[ \{ (2*n+10)*a(n+5)-4*a(n+4)+(-8-2*n)*a(n+3)+3*a(n+2)+2*a(n+1), a(0) = 1, a(1) = 2, a(2) = 5/2, a(3) = 5/2, a(4) = 17/8 \}, egf ]$   
A053554 18.0381  $(-x^2+\ln(x+1)*x+\ln(x+1))/(x+1)$  revegf  
A053565 15.1903  $[ (7*x-2)/(2*x-1)^2 ogf ]$   
A053565 21.8331  $(-1+2*x+(1+3*x)^(1/2))/(-7+4*x)$  revogf  
A053565 25.0677  $-(-1+14*x)/(7*x-2)/(-1+2*x)$  lgdogf  
A053565 8.33612  $[ \{ a(n+2)-4*a(n+1)+4*a(n), a(0) = -2, a(1) = -1 \}, ogf ]$   
A053566 11.4234  $[ (11*x-2)/(3*x-1)^2 ogf ]$   
A053566 16.2280  $(-1+3*x+(1+5*x)^(1/2))/(-11+9*x)$  revogf  
A053566 19.2331  $-(-1+33*x)/(11*x-2)/(3*x-1)$  lgdogf  
A053566 6.40826  $[ \{ a(n+2)-6*a(n+1)+9*a(n), a(0) = -2, a(1) = -1 \}, ogf ]$   
A053567 4.30760  $[ -(x^4-52*x^3+328*x^2-444*x+120)/(x+1)^11 ogf ]$   
A053567 7.83169  $-7*(252-728*x+x^4+444*x^2-60*x^3)/(x+1)/(x^4-52*x^3+328*x^2-444*x+120)$  lgdogf  
A053573 16.9506  $1/28/x*(-1-5*x+(1+10*x+81*x^2)^(1/2))$  revogf  
A053573 18.8044  $[ -1/(2*x+1)/(7*x-1) ogf ]$   
A053573 25.0868  $-(-5+28*x)/(2*x+1)/(7*x-1)$  lgdogf  
A053573 7.70300  $[ \{ -a(n+2)+5*a(n+1)+14*a(n), a(0) = 1, a(1) = 5 \}, ogf ]$   
A053581 10.4336  $[ (x-1)^2/(3*x-1)/(2*x-1) ogf ]$   
A053581 17.4280  $(-3+7*x)/(x-1)/(3*x-1)/(-1+2*x)$  lgdogf  
A053581 5.36875  $[ \{ -a(n+3)+5*a(n+2)-6*a(n+1), a(0) = 1, a(1) = 3, a(2) = 10 \}, ogf ]$   
A053599 13.1227  $[ -(x+1)/(2*x^2-1)/(x-1)^2 ogf ]$   
A053599 18.2728  $-(-3-5*x+6*x^2+6*x^3)/(x-1)/(x+1)/(2*x^2-1)$  lgdogf  
A053599 4.02255  $[ \{ (4*n+18)*a(n+1)+(-4*n-14)*a(n+2)+(-2*n-9)*a(n+3)+(2*n+7)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 13 \}, ogf ]$   
A053602 13.0846  $[ -x*(x^2+x+1)/(x^4+x^2-1) ogf ]$   
A053602 15.1224  $-(-1+4*x+2*x^5+3*x^4+x^2+4*x^3)/(x^2+x+1)/(x^4+x^2-1)$  lgdogf

A053606 13.1604 [  $-8*x/(x-1)/(x^2-18*x+1)$  ogf]  
A053606 17.4248  $-(19-38*x+3*x^2)/(x-1)/(x^2-18*x+1)$  lgdogf  
A053606 5.37860 [  $\{a(n+3)-19*a(n+2)+19*a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 152\}$ , ogf]  
A053618 5.53503 [  $x^3*(x^2-x+1)*(x^4+x^2-x+1)/(x^4+1)/(x^2+1)/(x+1)/(x-1)^4$  ogf]  
A053618 5.54730  $-(-10*x^{10}+14*x^{11}+27*x^9+3*x^5*x^{13}-3*x^{12}+6*x^6+9*x^5+x^4-11*x^8+8*x^3+14*x^7+1)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)/(x^4+x^2-x+1)/(1+x^4)$  lgdogf  
A053625 4.33653 [  $\{(-4+n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 720\}$ , ogf]  
A053625 8.35958 [  $-720*x^6/(x-1)^7$  ogf]  
A053625 87.5809  $-7/(x-1)$  lgdogf  
A053654 14.6504 [  $123456789/(x-1)^2$  ogf]  
A053654 6.12924 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 123456789, a(1) = 246913578\}$ , ogf]  
A053654 73.6110  $-2/(x-1)$  lgdogf  
A053655 5.88532 [  $-(11100*x^2-110*x-1)/(x-1)/(100*x-1)/(1000*x-1)/(10*x-1)$  ogf]  
A053692 9.86809 [  $-(-2*x^4-x^3-1)/(x^5+x^4+x+1)$  ogf\_with\_Euler\_transform]  
A053693 7.17263 [  $-(4*x^{12}+3*x^{11}+3*x^8+2*x^7+2*x^4+x^3+1)/(-x^{13}-x^{12}-x^9-x^8-x^5-x^4-x-1)$  ogf\_with\_Euler\_transform]  
A053697 6.12216 [  $(10*x^8-10*x^6+10*x^5-x^4+2*x^3+7*x^2+2*x+1)/(x-1)/(x+1)/(10*x^3-1)$  ogf]  
A053698 11.5774 [  $(5*x^2+1)/(x-1)^4$  ogf]  
A053698 23.0555  $-2*(2+5*x+5*x^2)/(x-1)/(5*x^2+1)$  lgdogf  
A053698 3.93996 [  $\{(n+4)*a(n+4)+(-7-n)*a(n+3)+5*n*a(n+2)+(-15-5*n)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 15, a(3) = 40\}$ , ogf]  
A053699 13.0606  $-(5+32*x+x^4+66*x^2+16*x^3)/(x-1)/(x^4+6*x^3+16*x^2+1)$  lgdogf  
A053699 7.81932 [  $-(x^4+6*x^3+16*x^2+1)/(x-1)^5$  ogf]  
A053700 6.35488 [  $-(x^5-6*x^4-6*x^3-76*x^2-27*x-6)/(x-1)^6$  ogf]  
A053700 9.47801  $-(-63-287*x+x^5-7*x^4-322*x^2-42*x^3)/(x-1)/(x^5-6*x^4-6*x^3-76*x^2-27*x-6)$  lgdogf  
A053715 11.6225 [  $-x*(9*x^4-18*x^2-11*x-1)/(x-1)^2/(x+1)^2$  ogf]  
A053715 16.2624  $(11+40*x+33*x^2)/(x-1)/(x+1)/(9*x^4-18*x^2-11*x-1)$  lgdogf  
A053716 5.55367 [  $-(x^6-6*x^5+57*x^4+232*x^3+351*x^2+78*x+7)/(x-1)^7$  ogf]  
A053716 7.59192  $-(127+1170*x+x^6-6*x^5+141*x^4+2451*x^2+1156*x^3)/(x-1)/(x^6-6*x^5+57*x^4+232*x^3+351*x^2+78*x+7)$  lgdogf  
A053717 4.72218 [  $-(x^7-8*x^6-57*x^5-1016*x^4-2297*x^3-1464*x^2-191*x-8)/(x-1)^8$  ogf]  
A053717 6.05845  $-(-255-4265*x-9*x^6-219*x^5-4349*x^4-15675*x^2+x^7-15549*x^3)/(x-1)/(x^7-8*x^6-57*x^5-1016*x^4-2297*x^3-1464*x^2-191*x-8)$  lgdogf  
A053723 11.6081 [  $-(4*x^3+3*x^2+2*x+1)/(-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A053724 7.71111 [  $-(6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(-x^6-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A053730 10.7490 [  $-(6*x^2-4*x+1)/(2*x-1)^3$  ogf]  
A053730 16.7464  $-2*(1-2*x+6*x^2)/(-1+2*x)/(6*x^2-4*x+1)$  lgdogf  
A053730 5.89770 [  $\{a(n+3)-6*a(n+2)+12*a(n+1)-8*a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A053738 8.36856  $2*(2-x-656*x^{21}+16*x^6-36*x^5+20*x^4+336*x^{20}+320*x^{22})/(x-1)/(32*x^{22}-32*x^{21}+8*x^6-8*x^5+2*x^2-2*x-1)$  lgdogf  
A053738 9.87393 [  $-(32*x^{22}-32*x^{21}+8*x^6-8*x^5+2*x^2-2*x-1)/(x-1)^2$  ogf]  
A053739 17.9509  $-(-6+4*x+7*x^2)/(x-1)/(x^2+x-1)$  lgdogf  
A053739 7.59741 [  $1/(x^2+x-1)/(x-1)^5$  ogf]  
A053741 17.1881 [  $10*(3*x+2)/(x-1)^2$  ogf]  
A053741 24.7665  $-(-10-x+5*(2*x+4)^{(1/2)})/(-30+x)$  revogf  
A053741 36.0240  $-(3*x+7)/(3*x+2)/(x-1)$  lgdogf  
A053741 9.61718 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 20, a(1) = 70\}$ , ogf]  
A053742 17.1881 [  $25*(x+1)/(x-1)^2$  ogf]  
A053742 20.3212  $-1/2*(-25-2*x+5*(25+8*x)^{(1/2)})/(-25+x)$  revogf  
A053742 38.2479 [  $[3-x]$  ogf\_with\_Euler\_transform]  
A053742 44.0294  $-(x+3)/(x-1)/(x+1)$  lgdogf

A053742 9.61718 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 25, a(1) = 75\}$ , ogf]  
A053743 17.0691 [ $5*(11*x+9)/(x-1)^2$  ogf]  
A053743 19.6778  $-1/2*(-45-2*x+5*(81+16*x)^{1/2})/(-55+x)$  revogf  
A053743 31.4845  $-(29+11*x)/(11*x+9)/(x-1)$  lgdogf  
A053743 9.43821 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 45, a(1) = 145\}$ , ogf]  
A053755 12.0235 [ $-(5*x^2+2*x+1)/(x-1)^3$  ogf]  
A053755 20.5254  $-(5*x^2+14*x+5)/(x-1)/(5*x^2+2*x+1)$  lgdogf  
A053755 6.49057 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 17\}$ , ogf]  
A053793 12.3431 [ $-x*(2*x^4+6*x^3+5*x^2+6*x+2)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A053793 8.45807  $-(6+6*x^{10}+24*x^9+10*x+14*x^6+18*x^2+25*x^8+36*x^7+8*x^3)/(x-1)/(2*x^4+6*x^3+5*x^2+6*x+2)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A053794 7.88370  $-(3+3*x^{10}+6*x^9-2*x-6*x^6+4*x^5-2*x^4+7*x^2-5*x^8+16*x^7)/(x-1)/(x^2+1)/(x^4+1)/(x^4+2*x^3+2*x+1)$  lgdogf  
A053794 8.18297 [ $-2*x*(x^4+2*x^3+2*x+1)/(x-1)/(x^4+1)/(x^2+1)$  ogf]  
A053796 15.0156 [ $-x*(2*x^2+x+2)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A053796 15.4393  $-(1+4*x+6*x^6+4*x^5+10*x^4)/(x-1)/(2*x^2+x+2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A053798 11.7844  $-2*(x+1)*(x^6+3*x^4-2*x^3+3*x^2+1)/(x-1)/(x^4+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A053798 16.5792 [ $-x^7-x^5+x^3+2*x^2+x+2$  ogf\_with\_Euler\_transform]  
A053798 7.49379 [ $(x^2-x+1)*(x^4+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A053799 10.2834  $-2*(1+2*x+x^6+2*x^5+5*x^4+5*x^2+2*x^3)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A053799 19.8510 [ $-x^5-x^3+2*x^2+x+2$  ogf\_with\_Euler\_transform]  
A053799 9.18997 [ $-(x+1)*(x^2+1)*(x^2-x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A053800 4.61268 [ $-(x+1)*(x^4-x^3+x^2-x+1)*(x^2-x+1)*(x^4+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^5$  ogf]  
A053805 32.1950 [[25-12\*x] ogf\_with\_Euler\_transform]  
A053805 38.7960  $-(25+x)/(x-1)/(x+1)$  lgdogf  
A053805 5.43478 [ $\{(-n-3)*a(n+3)+25*a(n+2)+(n+2)*a(n+1), a(0) = 1, a(1) = 25, a(2) = 313\}$ , ogf]  
A053808 11.4905 [ $(x+1)/(x^2+x-1)/(x-1)^3$  ogf]  
A053808 19.9647  $-(-5+7*x^2+4*x^3)/(x-1)/(x+1)/(x^2+x-1)$  lgdogf  
A053809 16.8177  $-(-6+9*x^2+5*x^3)/(x-1)/(x+1)/(x^2+x-1)$  lgdogf  
A053809 8.69647 [ $-(x+1)/(x^2+x-1)/(x-1)^4$  ogf]  
A053831 6.96620 [ $-x*(9*x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A053832 6.51020 [ $-x*(10*x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A053833 6.07941 [ $-x*(11*x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A053834 5.75181 [ $-x*(12*x^{13}-x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A053835 5.44730 [ $-x*(13*x^{14}-x^{13}-x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf]  
A053836 5.13474 [ $-x*(14*x^{15}-x^{14}-x^{13}-x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^2+1)/(x^8+1)/(x^4+1)/(x-1)^2$  ogf]  
A053871 22.5740  $-2*x*f(x)+(1-2*x)*f(x)^2$  lgdegf  
A053871 4.13992 [ $\{(2*n+4)*a(n+1)+(2*n+4)*a(n+2)-a(n+3), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf]  
A053879 11.9673 [ $-x*(x+1)*(x^4+3*x^3-x^2+3*x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A053879 7.59904  $-(4+4*x+5*x^4+16*x^3+2*x^{11}+10*x^8+6*x^2+7*x^6+12*x^{10}+8*x^9+24*x^7)/(x-1)/(x+1)/(x^4+3*x^3-x^2+3*x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A053983 6.08904 [ $\{-a(n+1)+(2*n+5)*a(n+2)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A053984 6.19313 [ $\{a(n+1)+(-2*n-5)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 3\}$ , ogf]

A053987 5.63622 [ {a(n+1)+(-4\*n-14)\*a(n+2)+a(n+3), a(0) = 1, a(1) = 6, a(2) = 59}, ogf]  
A054000 13.9146 [ 2\*x\*(x-3)/(x-1)^3 ogf]  
A054000 39.0790 -2\*(x-4)/(x-1)/(x-3) lgdogf  
A054000 7.08153 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 16}, ogf]  
A054027 11.2772 [ -(x^26-x^25+x^5-x^4+x-2)/(x-1)^2 ogf]  
A054027 11.3487 (3-x+3\*x^5-7\*x^4+24\*x^26-49\*x^25+25\*x^24+4\*x^3)/(x-1)/(x^26-x^25+x^5-x^4+x-2) lgdogf  
A054091 3.43631 [ {(-n^2-n)\*a(n)+(-n-1)\*a(n+1)+(n^2+5\*n+8)\*a(n+2)+(-n-3)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 4}, ogf]  
A054092 4.29564 [ {a(n)\*n-2\*a(n+1)+(-n-1)\*a(n+2)+a(n+3), a(0) = 1, a(1) = 1, a(2) = 1}, ogf]  
A054096 4.00834 [ {-a(n)\*n+(n+3)\*a(n+1)-a(n+2), a(0) = 1, a(1) = 2}, ogf]  
A054100 3.09694 [ {-a(n)\*n+2\*a(n+1)+(n+1)\*a(n+2)-a(n+3), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 4}, ogf]  
A054107 6.69178 [ (x^2-x+1)\*(x^4-2\*x^3+x^2+1)/(x-1)^4 ogf]  
A054107 9.18077 (-3-x-13\*x^3+5\*x^2+15\*x^4-9\*x^5+2\*x^6)/(x-1)/(x^2-x+1)/(x^4-2\*x^3+x^2+1) lgdogf  
A054109 4.01438 [ {(-4\*n-14)\*a(n+1)+(-3\*n-10)\*a(n+2)+(n+4)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 8}, ogf]  
A054111 4.88443 [ {a(n+4)-2\*a(n+3)-a(n+2)+2\*a(n+1), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 18}, ogf]  
A054111 9.93788 -2\*(-1-3\*x-x^2+8\*x^3+4\*x^4)/(x-1)/(-1+2\*x)/(x+1)/(4\*x^3+2\*x^2+1) lgdogf  
A054111 9.99429 [ (4\*x^3+2\*x^2+1)/(x-1)/(2\*x-1)/(x+1) ogf]  
A054112 6.62690 [ -(x^7-2\*x^6+x^4-x^3+6\*x^2-6\*x-1)/(x-1)^4 ogf]  
A054112 8.39444 (10+6\*x-11\*x^6+12\*x^5-3\*x^3+3\*x^7-9\*x^2)/(x-1)/(x^7-2\*x^6+x^4-x^3+6\*x^2-6\*x-1) lgdogf  
A054113 4.11277 [ {(-4\*n-10)\*a(n+1)+(5\*n+13)\*a(n+2)+(-n-3)\*a(n+3), a(0) = 1, a(1) = 5, a(2) = 17}, ogf]  
A054121 16.0449 -3\*(3+5\*x+4\*x^2)/(x-1)/(1+2\*x)/(x^2+x+1) lgdogf  
A054121 7.71651 [ (x^2+x+1)\*(2\*x+1)^2/(x-1)^4 ogf]  
A054122 24.6467 -3/(x-1)/(4\*x^2-8\*x+1) lgdogf  
A054122 3.22215 [ {(n+3)\*a(n+3)+(-21-9\*n)\*a(n+2)+(12\*n+12)\*a(n+1)-4\*n\*a(n), a(0) = 1, a(1) = 3, a(2) = 18}, ogf]  
A054127 12.8378 (-5+9\*x+x^3-3\*x^2)/(x-1)/(x-2)/(2\*x-1)/(x^2-x+1) lgdogf  
A054127 4.69914 [ {a(n+4)-4\*a(n+3)+5\*a(n+2)-2\*a(n+1), a(0) = 2, a(1) = 5, a(2) = 13, a(3) = 30}, ogf]  
A054127 9.12587 [ (x-2)\*(x^2-x+1)/(2\*x-1)/(x-1)^2 ogf]  
A054128 6.02970 [ (x-2)\*(x^4-3\*x^3+4\*x^2-2\*x+1)/(2\*x-1)/(x-1)^4 ogf]  
A054128 7.94602 (-7+15\*x+x^5-10\*x^2+10\*x^3-5\*x^4)/(x-1)/(x-2)/(-1+2\*x)/(x^4-3\*x^3+4\*x^2-2\*x+1) lgdogf  
A054129 4.19882 [ (x-2)\*(x^6-5\*x^5+11\*x^4-13\*x^3+9\*x^2-3\*x+1)/(2\*x-1)/(x-1)^6 ogf]  
A054129 5.55428 (-9+21\*x+x^7-7\*x^6+21\*x^5-35\*x^4+35\*x^3-21\*x^2)/(x-1)/(x-2)/(2\*x-1)/(x^6-5\*x^5+11\*x^4-13\*x^3+9\*x^2-3\*x+1) lgdogf  
A054130 3.65456 [ {(2\*n^2+18\*n)\*a(n)+(-5\*n^2-37\*n-40)\*a(n+1)+(4\*n^2+24\*n+32)\*a(n+2)+(-n^2-5\*n-6)\*a(n+3), a(0) = 2, a(1) = 11, a(2) = 58}, ogf]  
A054130 4.16817 [ (x-2)\*(x^2-x+1)\*(x^6-6\*x^5+15\*x^4-19\*x^3+12\*x^2-3\*x+1)/(2\*x-1)/(x-1)^8 ogf]  
A054130 5.65405 (-11+27\*x+x^9-36\*x^2+84\*x^3-126\*x^4+126\*x^5-84\*x^6+36\*x^7-9\*x^8)/(-1+x)/(x-2)/(2\*x-1)/(x^2-x+1)/(x^6-6\*x^5+15\*x^4-19\*x^3+12\*x^2-3\*x+1) lgdogf  
A054135 12.2572 [ (x^2-2\*x+2)/(2\*x-1)/(x-1) ogf]  
A054135 16.7375 (4-6\*x+x^2)/(-1+2\*x)/(x-1)/(x^2-2\*x+2) lgdogf  
A054135 6.36891 [ {-a(n+3)+3\*a(n+2)-2\*a(n+1), a(0) = 2, a(1) = 4, a(2) = 9}, ogf]  
A054136 10.3735 (6-12\*x+6\*x^2-4\*x^3+x^4)/(x-1)/(2\*x-1)/(x^4-4\*x^3+6\*x^2-4\*x+2) lgdogf  
A054136 7.72499 [ (x^4-4\*x^3+6\*x^2-4\*x+2)/(2\*x-1)/(x-1)^3 ogf]  
A054137 4.94376 [ (x^2-2\*x+2)\*(x^4-4\*x^3+5\*x^2-2\*x+1)/(2\*x-1)/(x-1)^5 ogf]

A054137 6.73981  $(8-18*x+x^6-6*x^5-20*x^3+15*x^4+15*x^2)/(x-1)/(2*x-1)/(x^2-2*x+2)/(x^4-4*x^3+5*x^2-2*x+1)$  lgdogf  
A054138 3.80449  $[(x^8-8*x^7+28*x^6-56*x^5+70*x^4-56*x^3+28*x^2-8*x+2)/(2*x-1)/(x-1)^7]$  ogf]  
A054145 17.4793  $-2*(3-4*x+2*x^2)/(x-1)/(2*x^2-4*x+1)$  lgdogf  
A054145 3.20999  $[{(n+3)*a(n+4)+(-16-5*n)*a(n+3)+(14+6*n)*a(n+2)+(-4-2*n)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 12, a(3) = 58},$  ogf]  
A054145 8.51717  $[2*x*(x-1)^2/(2*x^2-4*x+1)^2]$  ogf]  
A054146 16.7730  $-2*(3-4*x+2*x^2)/(x-1)/(2*x^2-4*x+1)$  lgdogf  
A054146 8.17819  $[x*(x-1)^2/(2*x^2-4*x+1)^2]$  ogf]  
A054147 17.0212  $-(7-12*x+6*x^2)/(x-1)/(2*x^2-4*x+1)$  lgdogf  
A054147 9.03209  $[-3*x*(x-1)/(2*x^2-4*x+1)^2]$  ogf]  
A054148 10.0973  $(5-4*x-6*x^2+8*x^3)/(x-1)/(2*x^3-6*x^2+2*x-1)/(2*x^2-4*x+1)$  lgdogf  
A054148 6.99178  $[(x-1)*(2*x^3-6*x^2+2*x-1)/(2*x^2-4*x+1)^2]$  ogf]  
A054149 7.43415  $[(2*x^3-8*x^2+6*x+1)/(2*x^2-4*x+1)^2]$  ogf]  
A054149 9.42514  $-2*(-7+15*x^2-12*x^3+2*x^4)/(2*x^2-4*x+1)/(2*x^3-8*x^2+6*x+1)$  lgdogf  
A054254 12.6618  $(2+2*x-4*x^2+8*x^3-7*x^4+2*x^5)/(x-1)/(x^2-x+1)/(x^3-x^2-1)$  lgdogf  
A054254 8.52633  $[x*(x^2-x+1)*(x^3-x^2-1)/(x-1)^3]$  ogf]  
A054274 7.66775  $[-(x^5+2*x^4+x^3+x^2+2*x+1)/(-x^7-x^6-x^5+x^2+x+1)]$  ogf\_with\_Euler\_transform]  
A054275 10.6904  $[-(x^4+6*x^3+8*x^2+6*x+1)/(x+1)/(x-1)^3]$  ogf]  
A054275 11.1679  $-4*(2+8*x+13*x^2+8*x^3+2*x^4)/(x-1)/(x+1)/(x^4+6*x^3+8*x^2+6*x+1)$  lgdogf  
A054318 4.96714  $[{-a(n+3)+11*a(n+2)-11*a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 45},$  ogf]  
A054318 9.06700  $[-(x^2-6*x+1)/(x-1)/(x^2-10*x+1)]$  ogf]  
A054318 9.64558  $-(5-20*x+58*x^2-12*x^3+x^4)/(x-1)/(x^2-10*x+1)/(x^2-6*x+1)$  lgdogf  
A054320 13.0580  $[(x+1)/(x^2-10*x+1)]$  ogf]  
A054320 14.0211  $-1/2*(-1-10*x+(1+24*x+96*x^2)^(1/2))/(x-1)$  revogf  
A054320 17.8451  $-(-11+2*x+x^2)/(1+x)/(x^2-10*x+1)$  lgdogf  
A054320 7.15079  $[{-a(n+2)+10*a(n+1)-a(n), a(0) = 1, a(1) = 11},$  ogf]  
A054322 20.1749  $-4*(5+12*x)/(4*x-1)/(4*x+1)$  lgdogf  
A054322 3.97499  $[{-n-3)*a(n+3)+20*a(n+2)+(64+16*n)*a(n+1), a(0) = 4, a(1) = 80, a(2) = 896},$  ogf]  
A054322 8.18381  $[4*(4*x+1)/(4*x-1)^4]$  ogf]  
A054323 13.0864  $-4*(35+168*x+48*x^2)/(-1+4*x)/(16*x^2+40*x+5)$  lgdogf  
A054323 6.67407  $[-(16*x^2+40*x+5)/(4*x-1)^5]$  ogf]  
A054324 12.3965  $-16*(7+56*x+48*x^2)/(12*x+1)/(4*x+3)/(-1+4*x)$  lgdogf  
A054324 5.58238  $[2*(4*x+3)*(12*x+1)/(4*x-1)^6]$  ogf]  
A054325 4.71108  $[-(64*x^3+336*x^2+140*x+7)/(4*x-1)^7]$  ogf]  
A054325 4.74847  $[{(-8*n^2-84*n-220)*a(n+1)+(2*n^2+9*n+10)*a(n+2), a(0) = 7, a(1) = 336},$  ogf]  
A054325 9.31341  $-16*(21+252*x+432*x^2+64*x^3)/(-1+4*x)/(64*x^3+336*x^2+140*x+7)$  lgdogf  
A054326 3.90309  $[8*(4*x+1)*(16*x^2+24*x+1)/(4*x-1)^8]$  ogf]  
A054326 4.42970  $[{(8*n^2+92*n+264)*a(n+1)+(-2*n^2-9*n-10)*a(n+2), a(0) = 8, a(1) = 480},$  ogf]  
A054326 8.81951  $-4*(15+252*x+720*x^2+320*x^3)/(4*x+1)/(-1+4*x)/(16*x^2+24*x+1)$  lgdogf  
A054327 3.99515  $[{(8*n^2+100*n+312)*a(n+1)+(-2*n^2-9*n-10)*a(n+2), a(0) = 9, a(1) = 660},$  ogf]  
A054327 5.77086  $-4*(165+3696*x+1280*x^4+14080*x^3+15840*x^2)/(4*x+3)/(-1+4*x)/(64*x^3+528*x^2+108*x+3)$  lgdogf  
A054328 4.18055  $[{(8*n^2+108*n+364)*a(n+1)+(-2*n^2-9*n-10)*a(n+2), a(0) = 10, a(1) = 880},$  ogf]  
A054328 6.31349  $-8*(55+1584*x+9504*x^2+14080*x^3+3840*x^4)/(-1+4*x)/(16*x^2+40*x+5)/(80*x^2+40*x+1)$  lgdogf



A054329 20.5421  $-4*(5+12*x)/(-1+4*x)/(4*x+1)$  lgdogf  
A054329 4.19402  $[ \{ (-n-3)*a(n+3)+20*a(n+2)+(64+16*n)*a(n+1), a(0) = 1, a(1) = 20, a(2) = 224 \}, ogf]$   
A054329 8.76363  $[ (4*x+1)/(4*x-1)^4 ogf]$   
A054330 12.1396  $-16*(7+56*x+48*x^2)/(12*x+1)/(4*x+3)/(-1+4*x)$  lgdogf  
A054330 5.46903  $[ (4*x+3)*(12*x+1)/(4*x-1)^6 ogf]$   
A054331 4.12031  $[ (4*x+1)*(16*x^2+24*x+1)/(4*x-1)^8 ogf]$   
A054331 4.64771  $[ \{ (8*n^2+92*n+264)*a(n+1)+(-2*n^2-9*n-10)*a(n+2), a(0) = 1, a(1) = 60 \}, ogf]$   
A054331 9.33447  $-4*(15+252*x+320*x^3+720*x^2)/(4*x+1)/(4*x-1)/(16*x^2+24*x+1)$  lgdogf  
A054332 4.08247  $[ \{ (8*n^2+108*n+364)*a(n+1)+(-2*n^2-9*n-10)*a(n+2), a(0) = 5, a(1) = 440 \}, ogf]$   
A054332 6.11306  $-8*(55+1584*x+14080*x^3+3840*x^4+9504*x^2)/(-1+4*x)/(16*x^2+40*x+5)/(80*x^2+40*x+1)$  lgdogf  
A054333 29.6625  $[[11-x] ogf\_with\_Euler\_transform]$   
A054333 30.7832  $-(11+9*x)/(x-1)/(x+1)$  lgdogf  
A054333 4.78099  $[ \{ (-n-3)*a(n+3)+11*a(n+2)+(10+n)*a(n+1), a(0) = 1, a(1) = 11, a(2) = 65 \}, ogf]$   
A054333 5.32077  $[ (x+1)/(x-1)^{10} ogf]$   
A054334 34.7850  $-2*(6+5*x)/(x-1)/(x+1)$  lgdogf  
A054334 35.0505  $[[12-x] ogf\_with\_Euler\_transform]$   
A054334 5.64402  $[ \{ (-n-3)*a(n+3)+12*a(n+2)+(11+n)*a(n+1), a(0) = 1, a(1) = 12, a(2) = 77 \}, ogf]$   
A054334 5.76944  $[ -(x+1)/(x-1)^{11} ogf]$   
A054337 47.6018  $-28/(-1+4*x)$  lgdogf  
A054337 5.49999  $[ \{ (-n-2)*a(n+2)+(32+4*n)*a(n+1), a(0) = 1, a(1) = 28 \}, ogf]$   
A054337 6.47777  $[ -1/(4*x-1)^7 ogf]$   
A054338 48.8286  $-32/(-1+4*x)$  lgdogf  
A054338 5.48368  $[ 1/(4*x-1)^8 ogf]$   
A054338 5.63888  $[ \{ (-n-2)*a(n+2)+(36+4*n)*a(n+1), a(0) = 1, a(1) = 32 \}, ogf]$   
A054339 5.20184  $[ -1/(4*x-1)^9 ogf]$   
A054339 5.88888  $[ \{ (-n-2)*a(n+2)+(40+4*n)*a(n+1), a(0) = 1, a(1) = 36 \}, ogf]$   
A054339 51.0370  $-36/(-1+4*x)$  lgdogf  
A054340 34.8651  $-40+(1-4*x)*f(x)$  lgdogf  
A054340 5.37173  $[ \{ (-n-2)*a(n+2)+(44+4*n)*a(n+1), a(0) = 1, a(1) = 40 \}, ogf]$   
A054341 29.7201  $x*(1+2*x)/(1+4*x+5*x^2)$  revogf  
A054341 3.45065  $[ \{ (-20*n-40)*a(n+1)+(8*n+16)*a(n+2)+(5*n+25)*a(n+3)+(-2*n-10)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12 \}, ogf]$   
A054343 6.08767  $-(3+7*x+22*x^9+34*x^8+41*x^7+33*x^6+91*x^5+3*x^4+47*x^3+7*x^2)/(x-1)/(x+1)/(x^2+1)/(2*x^6+2*x^5+x^4+4*x^2-2*x+1)$  lgdogf  
A054389 4.96034  $[ (x^8+16*x^7+64*x^6+144*x^5+166*x^4+144*x^3+64*x^2+16*x+1)/(x+1)^2/(x-1)^6 ogf]$   
A054401 10.5906  $[ 4*x*(5*x-2)/(x-1)/(4*x-1)/(5*x-1) ogf]$   
A054401 10.7924  $-(-15+116*x+200*x^3-265*x^2)/(x-1)/(-1+4*x)/(5*x-2)/(5*x-1)$  lgdogf  
A054401 5.61763  $[ \{-a(n+3)+10*a(n+2)-29*a(n+1)+20*a(n), a(0) = 0, a(1) = 8, a(2) = 60 \}, ogf]$   
A054403 6.69882  $[ (4*x^{11}+5*x^9+2*x^8+2*x^7+4*x^6+2*x^5+4*x^4+2*x^3+2*x^2+x+2)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2 ogf]$   
A054404 8.42539  $[ x*(x^{17}+x^{14}+x^{11}+x^9+x^6+x^3+1)/(x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]$   
A054405 13.4697  $[ (x+1)/(x-1)/(x^3+x^2-1) ogf]$   
A054405 14.2642  $-(-2-2*x-x^2+4*x^3+3*x^4)/(x-1)/(x+1)/(x^3+x^2-1)$  lgdogf  
A054410 13.5227  $-4*(1+x)*(3*x^2+8*x+3)/(x-1)/(x^4+8*x^3+10*x^2+8*x+1)$  lgdogf  
A054410 9.22087  $[ (x^4+8*x^3+10*x^2+8*x+1)/(x-1)^4 ogf]$   
A054413 19.6624  $1/2/x*(-1-7*x+(1+14*x+53*x^2)^{(1/2)})$  revogf  
A054413 21.8246  $[ -1/(x^2+7*x-1) ogf]$   
A054413 35.3924  $-(2*x+7)/(x^2-1+7*x)$  lgdogf  
A054413 8.78307  $[ \{-a(n+2)+7*a(n+1)+a(n), a(0) = 1, a(1) = 7 \}, ogf]$

A054417 4.98404  $[ \{a(n+3)-7*a(n+2)+3*a(n+1)-5*a(n), a(0) = 1, a(1) = 5, a(2) = 37\}, \text{ogf}]$   
A054417 9.03630  $-(x-1)*(25*x^3+5*x^2-9*x-5)/(5*x^2-2*x+1)/(5*x^3-3*x^2+7*x-1)$   
lgdogf  
A054417 9.23274  $[ -(5*x^2-2*x+1)/(5*x^3-3*x^2+7*x-1) \text{ogf}]$   
A054418 10.7959  $[ -(x+1)/(5*x^3-3*x^2+7*x-1) \text{ogf}]$   
A054418 11.6709  $-2*(4-3*x+6*x^2+5*x^3)/(x+1)/(5*x^3-3*x^2+7*x-1)$  lgdogf  
A054418 5.06358  $[ \{a(n+3)-7*a(n+2)+3*a(n+1)-5*a(n), a(0) = 1, a(1) = 8, a(2) = 53\}, \text{ogf}]$   
A054419 10.5113  $[ -(5*x^2+3)/(5*x^3-3*x^2+7*x-1) \text{ogf}]$   
A054419 11.0785  $-(21-8*x+25*x^4+10*x^2)/(5*x^2+3)/(5*x^3-3*x^2+7*x-1)$  lgdogf  
A054419 5.20997  $[ \{a(n+3)-7*a(n+2)+3*a(n+1)-5*a(n), a(0) = 3, a(1) = 21, a(2) = 143\}, \text{ogf}]$   
A054420 5.33465  $[ \{a(n+3)-7*a(n+2)+3*a(n+1)-5*a(n), a(0) = 1, a(1) = 3, a(2) = 13\}, \text{ogf}]$   
A054420 9.08672  $-(3+16*x-62*x^2+40*x^3+25*x^4)/(5*x-1)/(x+1)/(5*x^3-3*x^2+7*x-1)$  lgdogf  
A054420 9.88221  $[ (x+1)*(5*x-1)/(5*x^3-3*x^2+7*x-1) \text{ogf}]$   
A054421 10.1691  $[ -x*(3*x-1)/(7*x-1)/(5*x^3-3*x^2+7*x-1) \text{ogf}]$   
A054421 9.75201  $-(11-104*x+234*x^2-296*x^3+315*x^4)/(3*x-1)/(7*x-1)/(5*x^3-3*x^2+7*x-1)$  lgdogf  
A054441 12.8744  $(-6*x^2-15*x+4+(-(-1+4*x)*(2*x-1)^2)^{(1/2)})/(x^2+4*x-1)/(-1+4*x)$  lgdogf  
A054441 4.19019  $[ \{(4*n+6)*a(n+1)+(15*n+22)*a(n+2)+(-8*n-14)*a(n+3)+(n+2)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 23\}, \text{ogf}]$   
A054442 9.64272  $9-72*x^2+(-3+12*x-48*x^3+12*x^2)*f(x)+(4*x^3-x+2*x^2-8*x^4)*f(x)^2$  lgdogf  
A054443 8.72428  $16-128*x^2+(-4+16*x-64*x^3+16*x^2)*f(x)+(4*x^3-x+2*x^2-8*x^4)*f(x)^2$  lgdogf  
A054444 15.2297  $-(5+5*x+2*x^3-3*x^2)/(x^2-3*x+1)/(x^2-x+1)$  lgdogf  
A054444 9.54157  $[ (x^2-x+1)/(x^2-3*x+1)^2 \text{ogf}]$   
A054447 14.9538  $-(3+2*x^3+3*x^2)/(x^2+x-1)/(x^2+2*x-1)$  lgdogf  
A054447 4.16945  $[ \{-a(n+4)+4*a(n+3)-2*a(n+2)-4*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 26\}, \text{ogf}]$   
A054447 8.64104  $[ -(x^2+x-1)/(x^2+2*x-1)^2 \text{ogf}]$   
A054449 14.9717  $-2*(x-1)*(x^2+2*x+2)/(x^2+x-1)/(x^2+2*x-1)$  lgdogf  
A054449 6.35491  $[ -(x^2+x-1)^2/(x^2+2*x-1)^3 \text{ogf}]$   
A054451 12.1440  $[ -1/(x^2+x-1)/(x-1)^2/(x+1)^2 \text{ogf}]$   
A054451 17.0469  $-(-1-6*x+5*x^2+6*x^3)/(x-1)/(x+1)/(x^2+x-1)$  lgdogf  
A054452 13.9898  $[ x^2/(x^2-3*x+1)/(x-1)^2 \text{ogf}]$   
A054452 19.1854  $-(5-11*x+4*x^2)/(x-1)/(x^2-3*x+1)$  lgdogf  
A054452 3.80237  $[ \{(n+3)*a(n+1)+(-4*n-11)*a(n+2)+(4*n+9)*a(n+3)+(-n-2)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 5\}, \text{ogf}]$   
A054454 11.4927  $-2*(-1-3*x+3*x^3+2*x^2)/(-1+x)/(x+1)/(x^2+x-1)$  lgdogf  
A054454 8.34054  $[ -1/(x-1)/(x+1)/(x^2+x-1)^2 \text{ogf}]$   
A054455 14.4344  $-(-3-2*x+2*x^3-x^2)/(x-1)/(x+1)/(x^2+x-1)$  lgdogf  
A054455 8.29334  $[ -(x-1)^2*(x+1)^2/(x^2+x-1)^3 \text{ogf}]$   
A054457 28.6024  $-6*(1+x)/(x^2-1+2*x)$  lgdogf  
A054457 3.84711  $[ \{(n+3)*a(n+3)+(-10-2*n)*a(n+2)+(-7-n)*a(n+1), a(0) = 1, a(1) = 6, a(2) = 27\}, \text{ogf}]$   
A054457 8.99632  $[ -1/(x^2+2*x-1)^3 \text{ogf}]$   
A054459 19.6504  $-2*(3+2*x+x^2)/(x+1)/(x^2+2*x-1)$  lgdogf  
A054459 9.30212  $[ (x+1)^2/(x^2+2*x-1)^2 \text{ogf}]$   
A054460 19.4108  $-3*(3+2*x+x^2)/(1+x)/(-1+2*x+x^2)$  lgdogf  
A054460 3.25091  $[ \{(-n-4)*a(n+4)+(12+n)*a(n+3)+(12+3*n)*a(n+2)+(n+4)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 48, a(3) = 204\}, \text{ogf}]$   
A054460 7.02616  $[ -(x+1)^3/(x^2+2*x-1)^3 \text{ogf}]$   
A054469 17.3416  $-(-7+11*x^2+6*x^3)/(x-1)/(x+1)/(x^2+x-1)$  lgdogf  
A054469 8.13106  $[ (x+1)/(x^2+x-1)/(x-1)^5 \text{ogf}]$   
A054470 17.0910  $-(-8+7*x^3+13*x^2)/(x-1)/(1+x)/(x^2+x-1)$  lgdogf  
A054470 7.26298  $[ -(x+1)/(x^2+x-1)/(x-1)^6 \text{ogf}]$

A054473 4.98172  $[(3x^6+x^5+x^4+1)/(x^2+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^6 \text{ ogf}]$   
A054473 6.03105  $-(1+40x^{10}+6x^{14}+49x^{15}+26x^{14}+25x^{13}+27x^{11}+45x^6+66x^7+67x^8+13x^2+67x^9)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(3x^6+x^5+x^4+1) \text{ lgdogf}$   
A054477 13.2654  $-1/2*(-1-5x+(1+42x+21x^2)^{1/2})/(-8+x) \text{ revogf}$   
A054477 15.4763  $-(-13+2x+8x^2)/(8x+1)/(x^2-5x+1) \text{ lgdogf}$   
A054477 16.8084  $[(8x+1)/(x^2-5x+1) \text{ ogf}]$   
A054477 9.11296  $[-a(n+2)+5a(n+1)-a(n), a(0) = 1, a(1) = 13], \text{ ogf}]$   
A054479 3.93640  $[{-8n^3-48n^2-94n-60} * a(n+1) + {-4n^2-18n-20} * a(n+2) + a(n+3), a(0) = 1, a(1) = 0, a(2) = 6], \text{ ogf}]$   
A054480 13.1967  $-(3-2x-6x^2+6x^5)/(x-1)/(x^5+x^4+x^3-x^2-2x+1) \text{ lgdogf}$   
A054480 13.7436  $[-1/(x-1)/(x^5+x^4+x^3-x^2-2x+1) \text{ ogf}]$   
A054485 14.4778  $[(2x+1)/(x^2-4x+1) \text{ ogf}]$   
A054485 15.2092  $-1/2*(-1-4x+(1+20x+12x^2)^{1/2})/(-3+x) \text{ revogf}$   
A054485 18.2511  $-(-7+2x+3x^2)/(1+3x)/(x^2-4x+1) \text{ lgdogf}$   
A054485 7.94512  $[{-a(n+2)+4a(n+1)-a(n), a(0) = 1, a(1) = 7}, \text{ ogf}]$   
A054486 16.9113  $[(2x+1)/(x^2-3x+1) \text{ ogf}]$   
A054486 18.2327  $-1/2*(-1-3x+(1+14x+5x^2)^{1/2})/(-2+x) \text{ revogf}$   
A054486 21.3583  $-(-5+2x+2x^2)/(2x+1)/(x^2-3x+1) \text{ lgdogf}$   
A054486 9.28061  $[{-a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 5}, \text{ ogf}]$   
A054487 25.8579  $-2*(7+20x)/(5x+1)/(x-1) \text{ lgdogf}$   
A054487 4.31226  $[{(n+3)*a(n+3)+(-6+4n)*a(n+2)+(-45-5n)*a(n+1), a(0) = 1, a(1) = 14, a(2) = 90}, \text{ ogf}]$   
A054487 6.05299  $[-(5x+1)/(x-1)^9 \text{ ogf}]$   
A054488 13.3959  $[(2x+1)/(x^2-6x+1) \text{ ogf}]$   
A054488 14.0628  $-1/2*(-1-6x+(1+20x+32x^2)^{1/2})/(-2+x) \text{ revogf}$   
A054488 17.8981  $-2*(-4+x+x^2)/(2x+1)/(x^2+1-6x) \text{ lgdogf}$   
A054488 7.35140  $[{-a(n+2)+6a(n+1)-a(n), a(0) = 1, a(1) = 8}, \text{ ogf}]$   
A054489 12.2492  $[(4x+1)/(x^2-6x+1) \text{ ogf}]$   
A054489 12.8388  $-1/2*(-1-6x+(1+28x+32x^2)^{1/2})/(-4+x) \text{ revogf}$   
A054489 15.4066  $-2*(-5+x+2x^2)/(4x+1)/(x^2+1-6x) \text{ lgdogf}$   
A054489 6.64113  $[{-a(n+2)+6a(n+1)-a(n), a(0) = 1, a(1) = 10}, \text{ ogf}]$   
A054490 12.8388  $-1/2*(-1-6x+(1+32x+32x^2)^{1/2})/(-5+x) \text{ revogf}$   
A054490 14.9787  $-(-11+2x+5x^2)/(5x+1)/(x^2+1-6x) \text{ lgdogf}$   
A054490 15.0431  $[(5x+1)/(x^2-6x+1) \text{ ogf}]$   
A054490 8.15588  $[{-a(n+2)+6a(n+1)-a(n), a(0) = 1, a(1) = 11}, \text{ ogf}]$   
A054491 14.2659  $[(2x+1)/(x^2-4x+1) \text{ ogf}]$   
A054491 14.9822  $-1/2*(-1-4x+(1+16x+12x^2)^{1/2})/(-2+x) \text{ revogf}$   
A054491 19.0683  $-2*(-3+x+x^2)/(2x+1)/(x^2-4x+1) \text{ lgdogf}$   
A054491 7.82885  $[{-a(n+2)+4a(n+1)-a(n), a(0) = 1, a(1) = 6}, \text{ ogf}]$   
A054492 14.6217  $-1/2*(-1-3x+(1+18x+5x^2)^{1/2})/(-3+x) \text{ revogf}$   
A054492 17.0610  $[(3x+1)/(x^2-3x+1) \text{ ogf}]$   
A054492 17.1283  $-(-6+2x+3x^2)/(3x+1)/(x^2-3x+1) \text{ lgdogf}$   
A054492 9.36273  $[{-a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 6}, \text{ ogf}]$   
A054493 13.3258  $-(-7-12x-3x^2+2x^3)/(x-1)/(x+1)/(x^2-5x+1) \text{ lgdogf}$   
A054493 13.9115  $[-(x+1)/(x-1)/(x^2-5x+1) \text{ ogf}]$   
A054493 6.52485  $[{a(n+3)-6a(n+2)+6a(n+1)-a(n), a(0) = 1, a(1) = 7, a(2) = 36}, \text{ ogf}]$   
A054497 32.7047  $-(-7+13x)/(x-1)/(1+x) \text{ lgdogf}$   
A054497 36.6378  $[[7+3x] \text{ ogf\_with\_Euler\_transform}]$   
A054497 5.70754  $[{(n+3)*a(n+3)-7*a(n+2)+(-14-n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 31}, \text{ ogf}]$   
A054497 5.92538  $[1/(x+1)^3/(x-1)^{10} \text{ ogf}]$   
A054498 31.7865  $-4*(1+4x)/(x-1)/(1+x) \text{ lgdogf}$   
A054498 37.2787  $[[4+6x] \text{ ogf\_with\_Euler\_transform}]$   
A054498 5.40608  $[1/(x+1)^6/(x-1)^{10} \text{ ogf}]$   
A054498 5.80359  $[{(n+3)*a(n+3)-4*a(n+2)+(-17-n)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 16}, \text{ ogf}]$   
A054516 25.1504  $(1+3x+x^2)/(x+2)/(x+1) \text{ lgdegf}$   
A054516 3.39510  $[{(-n^2-6n-8)*a(n+1)+(n^2+4n+2)*a(n+2)+(n+2)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 2}, \text{ ogf}]$

A054549 12.7879  $279+651*x+(-13+42*x+31*x^2)*f(x)+(-2+2*x^2)*f(x)^2$  lgdogf  
A054549 37.0403  $[[9+6*x]$  ogf\_with\_Euler\_transform]  
A054549 5.77704  $[{(n+3)*a(n+3)-9*a(n+2)+(-22-n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 51},$  ogf]  
A054552 13.4440  $[ -(8*x^2-x+1)/(x-1)^3$  ogf]  
A054552 23.6671  $-2*(1+7*x+4*x^2)/(x-1)/(8*x^2-x+1)$  lgdogf  
A054552 7.25736  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 11},$  ogf]  
A054554 14.3874  $[ -(7*x^2+1)/(x-1)^3$  ogf]  
A054554 25.9575  $-(3+14*x+7*x^2)/(x-1)/(7*x^2+1)$  lgdogf  
A054554 7.25736  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 13},$  ogf]  
A054556 13.1178  $[ -(6*x^2+x+1)/(x-1)^3$  ogf]  
A054556 23.0844  $-2*(x+2)*(3*x+1)/(x-1)/(6*x^2+x+1)$  lgdogf  
A054556 7.08129  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 15},$  ogf]  
A054557 23.5162  $-(67+360*x)/(60*x+1)/(x-1)$  lgdogf  
A054557 3.82799  $[{(n+3)*a(n+3)+(51+59*n)*a(n+2)+(-420-60*n)*a(n+1), a(0) = 72,$   
 $a(1) = 4824, a(2) = 32256},$  ogf]  
A054557 6.70928  $[ -72*(60*x+1)/(x-1)^7$  ogf]  
A054558 14.9266  $-2*(96-143*x+75*x^2)/(x-1)/(25*x^2-48*x+30)$  lgdogf  
A054558 5.84712  $[ 5*(25*x^2-48*x+30)/(x-1)^8$  ogf]  
A054559 5.23732  $[{(-n-2)*a(n+2)+(7+n)*a(n+1), a(0) = 30, a(1) = 180},$  ogf]  
A054559 68.4201  $-6/(x-1)$  lgdogf  
A054559 8.12164  $[ 30/(x-1)^6$  ogf]  
A054563 21.9858  $-5*(9+4*x+x^2)/(x-1)/(x^2+3*x+6)$  lgdogf  
A054563 3.71977  $[{(-11*n^2+174*n+872)*a(n+1)+(-273*n^2-2862*n-4755)*a(n$   
 $+2)+(284*n^2+918*n+634)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 6},$  ogf]  
A054563 6.76645  $[ -x^2*(x^2+3*x+6)/(x-1)^7$  ogf]  
A054567 13.1806  $[ -(4*x^2+3*x+1)/(x-1)^3$  ogf]  
A054567 21.9083  $-2*(x+3)*(2*x+1)/(x-1)/(4*x^2+3*x+1)$  lgdogf  
A054567 7.11517  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 19},$  ogf]  
A054569 13.1806  $[ -(x+1)*(3*x+1)/(x-1)^3$  ogf]  
A054569 22.5343  $-(7+14*x+3*x^2)/(x-1)/(3*x+1)/(x+1)$  lgdogf  
A054569 7.11517  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 7, a(2) = 21},$  ogf]  
A054602 11.1034  $[ 3*(x^2+1)*x/(x-1)^4$  ogf]  
A054602 24.7105  $[[ -x^3+x+4]$  ogf\_with\_Euler\_transform]  
A054602 27.3358  $-2*(2+x+x^2)/(x-1)/(1+x^2)$  lgdogf  
A054603 19.6422  $-6*(1+2*x+2*x^2)/(x-1)/(4*x^2+x+1)$  lgdogf  
A054603 3.72705  $[{(n+3)*a(n+4)-6*a(n+3)+(-9+3*n)*a(n+2)+(-12-4*n)*a(n+1), a(0) =$   
 $0, a(1) = 4, a(2) = 24, a(3) = 96},$  ogf]  
A054603 8.07527  $[ -4*x*(4*x^2+x+1)/(x-1)^5$  ogf]  
A054604 11.5871  $-2*(4+23*x+x^4+5*x^3+39*x^2)/(x-1)/(x^4+2*x^3+18*x^2+2*x+1)$  lgdogf  
A054604 6.25086  $[ 5*x*(x^4+2*x^3+18*x^2+2*x+1)/(x-1)^6$  ogf]  
A054605 5.46627  $[ -6*x*(10*x^4+49*x^3+53*x^2+7*x+1)/(x-1)^7$  ogf]  
A054605 9.60093  $-2*(7+74*x+15*x^4+118*x^3+206*x^2)/(x-1)/$   
 $(10*x^4+49*x^3+53*x^2+7*x+1)$  lgdogf  
A054606 4.09200  $[ 7*x*(x^6+12*x^5+183*x^4+328*x^3+183*x^2+12*x+1)/(x-1)^8$  ogf]  
A054606 6.16542  $-2*(10+225*x+1041*x^2+1186*x^3+396*x^4+21*x^5+x^6)/(x-1)/$   
 $(x^6+12*x^5+183*x^4+328*x^3+183*x^2+12*x+1)$  lgdogf  
A054607 3.77726  $[ -8*x*(34*x^6+525*x^5+1971*x^4+1936*x^3+546*x^2+27*x+1)/(x-1)^9$  ogf]  
A054607 5.78640  $-6*(6+218*x+17*x^6+384*x^5+1605*x^2+3250*x^3+2080*x^4)/(x-1)/$   
 $(34*x^6+525*x^5+1971*x^4+1936*x^3+546*x^2+27*x+1)$  lgdogf  
A054608 5.30166  $[$   
 $9*x*(x^8+50*x^7+1640*x^6+9774*x^5+17390*x^4+9774*x^3+1640*x^2+50*x+1)/(x-1)^10$  ogf]  
A054620 10.8171  $-2*(4+23*x+39*x^2+5*x^3+x^4)/(-1+x)/(x^4+2*x^3+18*x^2+2*x+1)$

lgdogf  
 A054620 6.04886 [  $x^*(x^4+2x^3+18x^2+2x+1)/(x-1)^6$  ogf]  
 A054621 5.18564 [  $x^*(x^6+12x^5+183x^4+328x^3+183x^2+12x+1)/(x-1)^8$  ogf]  
 A054621 6.78943  $-2*(10+225x+21x^5+x^6+1186x^3+396x^4+1041x^2)/(x-1)/$   
 $(x^6+12x^5+183x^4+328x^3+183x^2+12x+1)$  lgdogf  
 A054622 4.07725 [  $-x*(34x^6+525x^5+1971x^4+1936x^3+546x^2+27x+1)/(x-1)^9$   
 ogf]  
 A054622 6.02808  $-6*(6+218x+384x^5+17x^6+3250x^3+2080x^4+1605x^2)/(x-1)/$   
 $(34x^6+525x^5+1971x^4+1936x^3+546x^2+27x+1)$  lgdogf  
 A054623 3.22862 [  $x*(x^8+50x^7+1640x^6+9774x^5+17390x^4+9774x^3+1640x^2+50x+1)/(x-1)^{10}$   
 ogf]  
 A054624 3.23436 [  $-x*(100x^8+4783x^7+45547x^6+130963x^5+131119x^4+45469x^3+4801x^2+97x+1)/$   
 $(x-1)^{11}$  ogf]  
 A054644 3.92815 [  $(x^5+10x^4+65x^3+120x^2+80x+4)/(x-1)^{10}$  ogf]  
 A054644 7.74650  $-5*(24+192x+x^5+13x^4+99x^3+231x^2)/(x-1)/$   
 $(x^5+10x^4+65x^3+120x^2+80x+4)$  lgdogf  
 A054648 4.30010 [  $-30*(89x^4-391x^3+401x^2+309x+12)/(x-1)^{11}$  ogf]  
 A054648 9.73652  $-7*(63+556x+89x^4-396x^3+348x^2)/(x-1)/$   
 $(89x^4-391x^3+401x^2+309x+12)$  lgdogf  
 A054652 4.66881 [  $\{( -n^2-4n-4)*a(n+1)+(2n+6)*a(n+2)-a(n+3), a(0) = 1, a(1) = 2,$   
 $a(2) = 7\}$ , egf]  
 A054668 12.4745 [  $(x^4+1)/(x-1)/(x^3+x^2+x-1)$  ogf]  
 A054668 14.2265  $-2*(-1+3x^4)/(-1+x)/(x^3+x^2+x-1)/(x^4+1)$  lgdogf  
 A054726 9.32709  $-1/2*(-3+36x-12x^2+((1-12x+4x^2)*(-1+18x)^2)^{(1/2)})/(3x$   
 $+1)/(1-12x+4x^2)$  lgdogf  
 A054727 17.4579  $1/2*(1+(1-4x)^{(1/2)})x/(1+x)$  revogf  
 A054761 10.9103 [  $1/(x-1)/(x^9+x^8+x^7+x^6-x^5-x^4-3x^3+3x-1)$  ogf]  
 A054761 8.39377  $-(-4+6x-12x^5-8x^3+10x^9+9x^2)/(x-1)/(x^9+x^8+x^7+x^6-x^5-$   
 $x^4-3x^3+3x-1)$  lgdogf  
 A054765 3.68984 [  $\{( -n^2-4n-4)*a(n+1)+(-2n-5)*a(n+2)+a(n+3), a(0) = 0, a(1) =$   
 $1, a(2) = 3\}$ , ogf]  
 A054776 18.5360  $-4*(5+17x+5x^2)/(x-1)/(10x^2+16x+1)$  lgdogf  
 A054776 3.59550 [  $\{(n+3)*a(n+4)+(10+15n)*a(n+3)+(-74-6n)*a(n+2)+(-20-10n)*a(n$   
 $+1), a(0) = 0, a(1) = 6, a(2) = 120, a(3) = 504\}$ , ogf]  
 A054776 9.77977 [  $6x*(10x^2+16x+1)/(x-1)^4$  ogf]  
 A054777 12.0488  $-10*(7x+1)*(7+x)*(x+1)/(x-1)/(35x^3+155x^2+65x+1)$  lgdogf  
 A054777 3.34207 [  $\{(-124n^2-473n-450)*a(n+1)+(168n^2+294n+756)*a(n$   
 $+2)+(-44n^2-141n-106)*a(n+3), a(0) = 0, a(1) = 24, a(2) = 1680\}$ , ogf]  
 A054777 6.48362 [  $-24*x*(35x^3+155x^2+65x+1)/(x-1)^5$  ogf]  
 A054778 5.63607 [  $120*x*(126x^4+1246x^3+1506x^2+246x+1)/(x-1)^6$  ogf]  
 A054778 7.24519  $-6*(42+707x+1627x^2+707x^3+42x^4)/(x-1)/$   
 $(126x^4+1246x^3+1506x^2+246x+1)$  lgdogf  
 A054779 4.52775 [  $-720*x*(462x^5+9142x^4+24017x^3+12117x^2+917x+1)/(x-1)^7$   
 ogf]  
 A054779 5.57216  $-84*(x+1)*(11x^4+343x^3+1236x^2+343x+11)/(x-1)/$   
 $(462x^5+9142x^4+24017x^3+12117x^2+917x+1)$  lgdogf  
 A054842 7.11200 [  $-(2x+1)*(16x^4+8x^3+4x^2+2x+1)*(16x^4-8x^3+4x^2-2x$   
 $+1)/(3x^{10}-1)$  ogf]  
 A054849 48.6001  $-12/(-1+2x)$  lgdogf  
 A054849 5.62022 [  $\{(-n-2)*a(n+2)+(14+2n)*a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
 A054849 8.05058 [  $1/(2x-1)^6$  ogf]  
 A054851 48.9415  $-16/(-1+2x)$  lgdogf  
 A054851 5.65719 [  $\{(-n-2)*a(n+2)+(18+2n)*a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
 A054851 5.99662 [  $1/(2x-1)^8$  ogf]  
 A054854 13.0773 [  $-(x-1)/(2x^3-3x^2-2x+1)$  ogf]  
 A054854 14.7776  $-(1+6x+4x^3-9x^2)/(x-1)/(2x^3-3x^2-2x+1)$  lgdogf  
 A054854 6.18838 [  $\{-a(n+3)+2a(n+2)+3a(n+1)-2a(n), a(0) = 1, a(1) = 1, a(2) =$   
 $5\}$ , ogf]  
 A054855 9.06727  $-(1+12x+6x^5+11x^4-8x^3-11x^2)/(x^2+x-1)/$

$(3x^4+2x^3-7x^2-2x+1)$  lgdogf  
A054855 9.51670 [  $-(x^2+x-1)/(3x^4+2x^3-7x^2-2x+1)$  ogf]  
A054856 10.9681 [  $-(x-1)/(x+1)/(x^4-3x+1)$  ogf]  
A054856 11.7120 [  $-(1+6x+4x^5-2x^4-4x^3-3x^2)/(x-1)/(1+x)/(x^4-3x+1)$  lgdogf  
A054857 5.80213 [  $-(x^3+x^2+x-1)/(x^8+3x^7+2x^6+5x^5+x^4-6x^3-7x^2-2x+1)$  ogf]  
A054858 5.74413  $(7+12x+19x^6-6x^3+14x^8+22x^7+11x^4+x^2+4x^9)/(x-1)/(x^3+x^2+x-1)/(x^6+4x^5+6x^4+11x^3+12x^2+7x+1)$  lgdogf  
A054858 6.39198 [  $(x-1)*(x^6+4x^5+6x^4+11x^3+12x^2+7x+1)/(x^3+x^2+x-1)$  ogf]  
A054861 7.19335 [  $x^3*(3x^{24}+x^{21}+x^{18}+2x^{15}+x^{12}+x^9+2x^6+x^3+1)/(x^2+x+1)/(x^6+x^3+1)/(x^{18}+x^9+1)/(x-1)^2$  ogf]  
A054872 22.0952  $(2+(1-4x)^{(1/2)})/(4x+3)*x$  revogf  
A054872 28.4081  $2/(1-8x+4x^2)^{(1/2)}$  lgdogf  
A054872 4.71420 [  $\{-4a(n+1)*n+(8n+12)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A054873 8.07939  $-8+(12-12x)*f(x)+(-6+12x-6x^2)*f(x)^2+(-3x+3x^2-x^3+1)*f(x)^3$  lgdegf  
A054877 10.8334 [  $-(x^2+x-1)/(2x-1)/(x^2-x-1)$  ogf]  
A054877 12.8205  $-2x*(2-4x+2x^2+x^3)/(-1+2x)/(x^2+x-1)/(x^2-x-1)$  lgdogf  
A054877 5.95351 [  $\{a(n+3)-a(n+2)-3a(n+1)+2a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf]  
A054878 14.2820 [  $(2x-1)/(x+1)/(3x-1)$  ogf]  
A054878 15.0667  $1/2/(-2+3x)*(-1-2x+(1-4x+16x^2)^{(1/2)})$  revogf  
A054878 19.1758  $-6x*(x-1)/(3x-1)/(-1+2x)/(x+1)$  lgdogf  
A054878 7.93443 [  $\{-a(n+2)+2a(n+1)+3a(n), a(0) = 1, a(1) = 0\}$ , ogf]  
A054879 10.0487 [  $\{a(n+2)-10a(n+1)+9a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A054879 18.1313 [  $-(7x-1)/(x-1)/(9x-1)$  ogf]  
A054879 19.1046  $-1/2*(-1-10x+(1-8x+64x^2)^{(1/2)})/(7+9x)$  revogf  
A054879 21.0641  $-3*(1-6x+21x^2)/(x-1)/(7x-1)/(9x-1)$  lgdogf  
A054880 10.5536 [  $\{a(n+2)-10a(n+1)+9a(n), a(0) = 0, a(1) = 6\}$ , ogf]  
A054880 19.9067  $-1/9*(-3-5x+(2x+3)^{(1/2)}*(8x+3)^{(1/2)})/x$  revogf  
A054880 22.7736 [  $6x/(x-1)/(9x-1)$  ogf]  
A054880 34.2396  $-2*(-5+9x)/(9x-1)/(x-1)$  lgdogf  
A054881 11.2731 [  $(4x^2+2x-1)/(2x+1)/(4x-1)$  ogf]  
A054881 14.6985  $-8x*(x-1)/(4x-1)/(2x+1)/(4x^2+2x-1)$  lgdogf  
A054881 5.91557 [  $\{-a(n+3)+2a(n+2)+8a(n+1), a(0) = 1, a(1) = 0, a(2) = 4\}$ , ogf]  
A054882 5.91699 [  $(6x^5-10x^4-10x^3+7x^2+2x-1)/(x-1)/(3x-1)/(2x+1)/(5x^2-1)$  ogf]  
A054883 11.1978 [  $-6x^5/(x-1)/(3x-1)/(2x+1)/(5x^2-1)$  ogf]  
A054883 9.73627  $-2*(1+10x-24x^2-50x^3+75x^4)/(x-1)/(3x-1)/(2x+1)/(5x^2-1)$  lgdogf  
A054884 6.21802  $-10x*(-1+25x^5-25x^4-30x^3+2x^2+5x)/(5x-1)/(x+1)/(5x^2-1)/(10x^3-5x^2-4x+1)$  lgdogf  
A054884 6.71633 [  $(10x^3-5x^2-4x+1)/(x+1)/(5x-1)/(5x^2-1)$  ogf]  
A054885 10.9133  $-4*(-1-5x+25x^3+15x^2)/(5x^2-1)/(5x-1)/(x+1)$  lgdogf  
A054885 9.43581 [  $10x^3/(x+1)/(5x-1)/(5x^2-1)$  ogf]  
A054886 11.9255 [  $-(x^2+x+1)*(x+1)/(x^2+x-1)$  ogf]  
A054886 14.2624  $(-3-6x+x^4+2x^3-3x^2)/(1+x)/(x^2+x+1)/(x^2+x-1)$  lgdogf  
A054886 6.32570 [  $\{a(n+4)-a(n+3)-a(n+2), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 10\}$ , ogf]  
A054887 3.53256 [  $(x^2+x+1)*(x^4+x^3+x^2+x+1)*(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{12}-2x^9-2x^8-4x^7-3x^6-4x^5-2x^4-2x^3+1)$  ogf]  
A054888 11.4956 [  $(x+1)^2/(x^2-3x+1)$  ogf]  
A054888 22.9320  $-5*(x-1)/(1+x)/(x^2-3x+1)$  lgdogf  
A054888 5.91519 [  $\{-a(n+3)+3a(n+2)-a(n+1), a(0) = 1, a(1) = 5, a(2) = 15\}$ , ogf]  
A054890 10.1742 [  $(x^2+x+1)/(x^2-6x+1)$  ogf]  
A054890 14.6458  $-7*(x-1)*(x+1)/(x^2+x+1)/(x^2-6x+1)$  lgdogf  
A054890 5.23525 [  $\{-a(n+3)+6a(n+2)-a(n+1), a(0) = 1, a(1) = 7, a(2) = 42\}$ , ogf]  
A054894 11.8519  $-2*(1+3x+x^5+5x^4+6x^3-8x^2)/(-1+2x+x^2)/(x^4+4x^3-4x^2-4x+1)$  lgdogf  
A054894 12.0408 [  $-(x^2+2x-1)/(x^4+4x^3-4x^2-4x+1)$  ogf]

A054895 9.11046 [  $x^6(2x^{30}+x^{24}+x^{18}+x^{12}+x^6+1)/(x+1)/(x^2+1)/(x^6+x^3+1)/(x^6-x^3+1)/(x^{12}-x^6+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf ]  
A054896 4.85884 [  $x^7(6x^{35}+5x^{28}+4x^{21}+3x^{14}+2x^7+1)/(x-1)/(7x^{42}-x^{35}-x^{28}-x^{21}-x^{14}-x^7-1)$  ogf ]  
A054900 20.8370 [  $x^{16}/(x+1)/(x^2+1)/(x^8+1)/(x^4+1)/(x-1)^2$  ogf ]  
A054900 9.09045  $-(1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+17x^{15})/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  lgdogf  
A054925 16.4854  $-(2-2x+7x^2-4x^3+3x^4)/(x-1)/(x^2+1)/(x^2-x+1)$  lgdogf  
A054925 20.2152 [  $[-x^5+x^3+x^2+2]$  ogf\_with\_Euler\_transform ]  
A054925 9.79282 [  $-x^2(x^2-x+1)/(x^2+1)/(x-1)^3$  ogf ]  
A054963 10.4918  $-(3-9x+12x^2-12x^3+4x^4)/(x-1)/(x^2-3x+1)/(2x^2-2x+1)$  lgdogf  
A054963 4.49433 [  $\{-a(n+4)+5a(n+3)-8a(n+2)+5a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 26\}$ , ogf ]  
A054963 9.31433 [  $(2x^2-2x+1)/(x^2-3x+1)/(x-1)^2$  ogf ]  
A054966 13.1548 [  $x(x^2+7x+1)/(x^2+x+1)/(x-1)^2$  ogf ]  
A054966 15.3223  $-2(4+5x+x^4+11x^3+6x^2)/(x-1)/(x^2+x+1)/(x^2+7x+1)$  lgdogf  
A054966 5.24577 [  $\{(-n-3)a(n+1)-a(n+2)-a(n+3)+(n+2)a(n+4), a(0) = 0, a(1) = 1, a(2) = 8, a(3) = 9\}$ , ogf ]  
A054967 13.1649 [  $x(x^2+8x+1)/(x^2+x+1)/(x-1)^2$  ogf ]  
A054967 14.7971  $-(9+11x+25x^3+2x^4+13x^2)/(x-1)/(x^2+8x+1)/(x^2+x+1)$  lgdogf  
A054967 5.21779 [  $\{(-n-3)a(n+1)-a(n+2)-a(n+3)+(n+2)a(n+4), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 10\}$ , ogf ]  
A054968 12.7993  $-(13-4x+2x^4+10x^3+16x^2)/(x-1)/(2x^2+5x+4)/(x^2+x-1)$  lgdogf  
A054968 14.7581 [  $(2x^2+5x+4)/(x-1)/(x^2+x-1)$  ogf ]  
A054968 8.14768 [  $\{-a(n+3)+2a(n+2)-a(n), a(0) = 4, a(1) = 13, a(2) = 28\}$ , ogf ]  
A054974 16.6860  $-(2-8x+3x^4-2x^3+x^2)/(x-1)/(x+1)/(x^3-x^2-1)$  lgdogf  
A054974 9.36247 [  $-(x^3-x^2-1)/(x+1)^2/(x-1)^4$  ogf ]  
A054977 11.8981 [  $\{a(n+2)-a(n+1), a(0) = 2, a(1) = 1\}$ , ogf ]  
A054977 23.1530 [  $(x-2)/(x-1)$  ogf ]  
A054977 33.5412  $1+1/2x-1/2(4+x^2)^{1/2}$  revogf  
A054977 64.5024  $1/(x-1)/(x-2)$  lgdogf  
A055005 3.94711 [  $-(9x^8-54x^7+132x^6-171x^5+135x^4-78x^3+36x^2-9x+1)/(x-1)^9$  ogf ]  
A055005 6.23789  $-9x^2(12x^3-20x^2+8x+x^6-4x^5+2x^4+2)/(x-1)/(9x^8-54x^7+132x^6-171x^5+135x^4-78x^3+36x^2-9x+1)$  lgdogf  
A055010 13.5958 [  $-x(x-2)/(2x-1)/(x-1)$  ogf ]  
A055010 13.9552  $1/2\ln(1+2x)+\operatorname{arctanh}((6x+4)^{1/2})-\operatorname{arctanh}(2)$  revegf  
A055010 19.2909  $-(5-8x+2x^2)/(x-1)/(x-2)/(2x-1)$  lgdogf  
A055010 6.59598 [  $\{a(n+3)-3a(n+2)+2a(n+1), a(0) = 0, a(1) = 2, a(2) = 5\}$ , ogf ]  
A055017 5.95101 [  $-x(10x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A055040 5.95918 [  $3(x+2)(x^2+x+1)(x^7+x^3+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A055048 6.18583 [  $(x+2)(x^2+x+1)(x^7+x^3+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A055099 13.6303 [  $-(x+1)/(2x^2+3x-1)$  ogf ]  
A055099 14.3012  $1/2/(1+2x)*(-1-3x+(1+10x+17x^2)^{1/2})$  revogf  
A055099 17.6662  $-2(2+2x+x^2)/(x+1)/(2x^2+3x-1)$  lgdogf  
A055099 7.48005 [  $\{a(n+2)-3a(n+1)-2a(n), a(0) = 1, a(1) = 4\}$ , ogf ]  
A055101 10.8811 [  $-(2x^2-2)/(-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform ]  
A055102 10.9558 [  $-(3x^2-3)/(-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform ]  
A055103 10.8680 [  $-(4x^2-4)/(-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform ]  
A055104 5.90616  $-(2x^{13}+4x^3+x^{12}-2x^7-7x^8+6x^{11}+8x^4+8x^5+x^6+10x^3+3x^{10}+1)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^{10}-x^9+x^5-x^4+1)$  lgdogf  
A055104 7.26964 [  $(x^{10}-x^9+x^5-x^4+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf ]  
A055112 11.1926 [  $6x(x+1)/(x-1)^4$  ogf ]  
A055112 34.3897 [  $[5-x]$  ogf\_with\_Euler\_transform ]

A055112 35.8303  $-(3*x+5)/(x-1)/(x+1)$  lgdogf  
A055112 5.42924  $[{(n+2)*a(n+3)-5*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 6, a(2) = 30}],$  ogf]  
A055113 18.0800  $1/2*(1+x+(-1+x)*(-1+3*x))^(1/2)*x$  revogf  
A055119 7.15059  $[-x*(81*x^17-71*x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-8)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A055120 6.54079  $[-x*(100*x^19-89*x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-9)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A055121 6.01371  $[-x*(121*x^21-109*x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-10)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A055122 5.46597  $[-x*(144*x^23-131*x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-11)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A055123 5.07219  $[-x*(169*x^25-155*x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-12)/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A055142 27.1374  $-2*x+(-1+2*x)*f(x)$  lgdegf  
A055142 3.39021  $[{(2*n+4)*a(n+1)+(-2*n-4)*a(n+2)+a(n+3), a(0) = 1, a(1) = 0, a(2) = -2}],$  ogf]  
A055145 4.23832  $[-(2*x^11-x^10-2*x^9+x^6-3*x^4-x^3+2*x^2+2*x+1)/(4*x-1)/(x^4+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A055148 5.33785  $[-(7*x^9+4*x^8-8*x^7-6*x^6+x^2+2*x+1)/(7*x-1)/(x-1)^2/(x+1)^2$  ogf]  
A055156 13.8453  $[-3*(3*x+1)/(27*x^2-1)$  ogf]  
A055156 15.3872  $-3*(1+18*x+27*x^2)/(3*x+1)/(27*x^2-1)$  lgdogf  
A055156 15.3872  $1/6*(-1+(1+4*x+12*x^2)^(1/2))/(1+3*x)$  revogf  
A055156 8.94620  $[{-a(n+2)+27*a(n), a(0) = 3, a(1) = 9}],$  ogf]  
A055194 3.96532  $[-(x^8-2*x^6-2*x^5+4*x^3-4*x-3)/(x^2+x+1)^2/(x+1)^2/(x-1)^8$  ogf]  
A055194 5.56644  $-2*(-8-28*x+15*x^5-7*x^4-41*x^3+3*x^11-2*x^9-21*x^7+5*x^10-15*x^8-45*x^2)/(x-1)/(1+x)/(x^2+x+1)/(x^8-2*x^6-2*x^5+4*x^3-4*x-3)$  lgdogf  
A055232 14.9092  $-(5+17*x+17*x^2+9*x^3)/(x-1)/(x+1)/(3*x^2+1+2*x)$  lgdogf  
A055232 9.48569  $[(3*x^2+2*x+1)/(x+1)/(x-1)^4$  ogf]  
A055243 13.3471  $[(x-1)/(x^2+x-1)^3$  ogf]  
A055243 25.8050  $-(-2-4*x+5*x^2)/(x-1)/(x^2+x-1)$  lgdogf  
A055243 4.49820  $[{(n+4)*a(n+4)+(-8-2*n)*a(n+3)-4*a(n+2)+(6+n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 13}],$  ogf]  
A055244 15.3076  $-(x+1)*(x^3-2*x^2+2*x+1)/(x^2+x-1)/(x^3-x+1)$  lgdogf  
A055244 9.96580  $[(x^3-x+1)/(x^2+x-1)^2$  ogf]  
A055245 7.85775  $[(x^5+3*x^4-2*x^3-2*x^2+2*x-1)/(x^2+x-1)^3$  ogf]  
A055245 9.68628  $-(x-1)*(x^5+5*x^4+x^3+5*x^2+7*x+1)/(x^2+x-1)/(x^5+3*x^4-2*x^3-2*x^2+2*x-1)$  lgdogf  
A055250 25.2829  $-(-9+14*x)/(-1+2*x)/(x-1)$  lgdogf  
A055250 4.21637  $[{(-n-3)*a(n+3)+(15+3*n)*a(n+2)+(-16-2*n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 47}],$  ogf]  
A055250 8.71762  $[-1/(2*x-1)^2/(x-1)^5$  ogf]  
A055251 24.8117  $-2*(-5+8*x)/(-1+2*x)/(x-1)$  lgdogf  
A055251 4.91175  $[{(-n-3)*a(n+3)+(16+3*n)*a(n+2)+(-18-2*n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 57}],$  ogf]  
A055251 8.31219  $[1/(2*x-1)^2/(x-1)^6$  ogf]  
A055264 10.3972  $-(3+9*x+12*x^5+14*x^4+13*x^3+6*x^6+15*x^2)/(x-1)/(1+x)/(x^2+1)/(3*x^3+3*x^2+2*x+1)$  lgdogf  
A055264 11.8500  $[x*(3*x^3+3*x^2+2*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A055267 13.6840  $[(4*x+1)/(x^2-3*x+1)$  ogf]  
A055267 14.7012  $-1/2*(-1-3*x+(1+22*x+5*x^2)^(1/2))/(-4+x)$  revogf  
A055267 17.2214  $-(-7+2*x+4*x^2)/(4*x+1)/(x^2-3*x+1)$  lgdogf  
A055267 7.50952  $[{-a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 7}],$  ogf]  
A055268 10.1722  $[-(10*x+1)/(x-1)^5$  ogf]  
A055268 28.7272  $-5*(3+8*x)/(10*x+1)/(x-1)$  lgdogf  
A055268 4.75586  $[{(n+3)*a(n+3)+(3+9*n)*a(n+2)+(-50-10*n)*a(n+1), a(0) = 1, a(1)$



= 15, a(2) = 65}], ogf]  
 A055269 14.5692 [ -(2\*x+1)/(x-1)/(x^2-4\*x+1) ogf]  
 A055269 15.8154 -(7-10\*x+4\*x^3-7\*x^2)/(-1+x)/(2\*x+1)/(x^2-4\*x+1) lgdogf  
 A055269 6.83336 [{a(n+3)-5\*a(n+2)+5\*a(n+1)-a(n), a(0) = 1, a(1) = 7, a(2) = 30},  
 ogf]  
 A055270 12.7818 [ -(x-1)^2/(7\*x-1) ogf]  
 A055270 26.8189 (5+7\*x)/(7\*x-1)/(x-1) lgdogf  
 A055270 6.76682 [ {-a(n+3)+7\*a(n+2), a(0) = 1, a(1) = 5, a(2) = 36}, ogf]  
 A055271 13.5319 [ (2\*x+1)/(x^2-5\*x+1) ogf]  
 A055271 14.2041 -1/2\*(-1-5\*x+(1+18\*x+21\*x^2)^(1/2))/(-2+x) revogf  
 A055271 17.0449 -(7+2\*x+2\*x^2)/(2\*x+1)/(x^2-5\*x+1) lgdogf  
 A055271 7.42604 [ {-a(n+2)+5\*a(n+1)-a(n), a(0) = 1, a(1) = 7}, ogf]  
 A055272 15.6264 [ (x-1)/(7\*x-1) ogf]  
 A055272 16.1769 1/2+7/2\*x-1/2\*(1+10\*x+49\*x^2)^(1/2) revogf  
 A055272 35.3871 6/(7\*x-1)/(-1+x) lgdogf  
 A055272 8.03022 [{a(n+2)-7\*a(n+1), a(0) = 1, a(1) = 6}, ogf]  
 A055273 13.8288 [ (5\*x+1)/(x^2-3\*x+1) ogf]  
 A055273 14.8601 -1/2\*(-1-3\*x+(1+26\*x+5\*x^2)^(1/2))/(-5+x) revogf  
 A055273 17.4076 -(8+2\*x+5\*x^2)/(5\*x+1)/(x^2-3\*x+1) lgdogf  
 A055273 7.58899 [ {-a(n+2)+3\*a(n+1)-a(n), a(0) = 1, a(1) = 8}, ogf]  
 A055274 18.4317 [ (x-1)/(8\*x-1) ogf]  
 A055274 20.2968 1/2+4\*x-1/2\*(64\*x^2+12\*x+1)^(1/2) revogf  
 A055274 44.6530 7/(8\*x-1)/(x-1) lgdogf  
 A055274 9.47183 [{a(n+2)-8\*a(n+1), a(0) = 1, a(1) = 7}, ogf]  
 A055275 19.3368 [ (x-1)/(9\*x-1) ogf]  
 A055275 20.0938 1/2+9/2\*x-1/2\*(1+14\*x+81\*x^2)^(1/2) revogf  
 A055275 46.8856 8/(9\*x-1)/(x-1) lgdogf  
 A055275 9.93697 [{a(n+2)-9\*a(n+1), a(0) = 1, a(1) = 8}, ogf]  
 A055276 14.6040 [ (x-1)/(11\*x-1) ogf]  
 A055276 14.6862 1/2+11/2\*x-1/2\*(1+18\*x+121\*x^2)^(1/2) revogf  
 A055276 31.9641 10/(11\*x-1)/(x-1) lgdogf  
 A055276 7.49934 [{a(n+2)-11\*a(n+1), a(0) = 1, a(1) = 10}, ogf]  
 A055278 8.33668 [ -(x^3+x^2+1)/(x^2+x+1)/(x+1)/(x-1)^5 ogf]  
 A055278 9.59741 -(3+10\*x+14\*x^5+17\*x^4+22\*x^3+5\*x^6+19\*x^2)/(x-1)/(1+x)/(x^2+x  
 +1)/(x^3+x^2+1) lgdogf  
 A055279 4.11347 [ -(x^8+2\*x^7+5\*x^6+5\*x^5+7\*x^4+5\*x^3+3\*x^2+x+1)/(x^2+1)/(x^2+x  
 +1)/(x+1)^3/(x-1)^7 ogf]  
 A055291 6.65612 -(2+6\*x  
 +6\*x^10+8\*x^9+20\*x^8+21\*x^7+25\*x^6+29\*x^5+27\*x^4+22\*x^3+14\*x^2)/(x-1)/(x+1)/  
 (x^2+1)/(x^2+x+1)/(x^5+x^3+1) lgdogf  
 A055291 7.68305 [ -(x^5+x^3+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5 ogf]  
 A055292 3.74257 [ -(2\*x^10+2\*x^9+4\*x^8+4\*x^7+5\*x^6+4\*x^5+4\*x^4+3\*x^3+x^2+1)/  
 (x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^3/(x-1)^7 ogf]  
 A055303 14.6517 -12\*(1+3\*x+x^2)/(x-1)/(3\*x^2+6\*x+1) lgdegf  
 A055303 4.59775 [ {(-n^2-9\*n-20)\*a(n+1)+(n+2)\*a(n+2), a(0) = 3, a(1) = 36}, ogf]  
 A055303 5.88926 [ 3\*(3\*x^2+6\*x+1)/(x-1)^6 egf]  
 A055304 2.98944 [ {(22\*n^2+242\*n+660)\*a(n+1)+(3\*n^2+20\*n+133)\*a(n+2)+(-3\*n-9)\*a(n  
 +3), a(0) = 4, a(1) = 140, a(2) = 3000}, ogf]  
 A055304 7.38056 -5\*(7+80\*x+180\*x^2+100\*x^3+11\*x^4)/(-1+x)/  
 (11\*x^4+76\*x^3+96\*x^2+26\*x+1) lgdegf  
 A055315 12.7389 -15\*(1+4\*x+2\*x^2)/(x-1)/(6\*x^2+8\*x+1) lgdegf  
 A055315 6.19612 [ {(-n^2-10\*n-24)\*a(n+1)+(n+2)\*a(n+2), a(0) = 4, a(1) = 60}, ogf]  
 A055315 7.19752 [ -4\*(6\*x^2+8\*x+1)/(x-1)^7 egf]  
 A055316 6.77013 -42\*(1+14\*x+5\*x^4+30\*x^3+40\*x^2)/(x-1)/  
 (35\*x^4+160\*x^3+150\*x^2+32\*x+1) lgdegf  
 A055328 11.9889 -(5+16\*x+14\*x^4+28\*x^3+27\*x^2)/(x-1)/(2\*x+1)/(x+1)/(x^2+x+1)  
 lgdogf  
 A055328 8.63632 [ -(2\*x+1)/(x^2+x+1)/(x+1)/(x-1)^5 ogf]  
 A055329 4.29386 [ -(x^6+5\*x^4+8\*x^3+9\*x^2+5\*x+2)/(x^2+1)/(x^2+x+1)/(x+1)^3/  
 (x-1)^7 ogf]  
 A055335 7.15723 -(-3-13\*x-42\*x^4-39\*x^3+8\*x^8-8\*x^7-18\*x^6-42\*x^5-23\*x^2)/(x-1)/

$(x+1)/(1+x^2)/(x^2+x+1)/(x^3-2x^2-x-1)$  lgdogf  
A055335 7.30330 [  $(x^3-2x^2-x-1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A055341 7.17957 [  $(x^4-2x^3-x^2-1)/(x^2+x+1)/(x+1)/(x-1)^5$  ogf]  
A055341 8.21112  $-(3-10*x-14*x^5-18*x^4-24*x^3-3*x^6+4*x^7-22*x^2)/(x-1)/(1+x)/(x^2+x+1)/(x^4-2*x^3-x^2-1)$  lgdogf  
A055342 3.63542 [  $(x^9-2*x^7-2*x^6-5*x^5-9*x^4-6*x^3-5*x^2-x-1)/(x^2+1)/(x^2+x+1)/(x+1)^3/(x-1)^7$  ogf]  
A055350 3.03739 [  $\{(7*n^2+77*n+210)*a(n+1)+(6*n^2+77*n+295)*a(n+2)+(-6*n-18)*a(n+3), a(0) = 8, a(1) = 220, a(2) = 4200\}$ , ogf]  
A055350 7.56521  $-5*(11+100*x+180*x^2+80*x^3+7*x^4)/(x-1)/(7*x^4+62*x^3+102*x^2+37*x+2)$  lgdegf  
A055357 6.58109 [  $-2*(x^2+x-1)/(3*x-1)/(2*x-1)^2/(x-1)^3$  ogf]  
A055357 9.16151  $-(-9+46*x-67*x^2+12*x^3+24*x^4)/(x-1)/(3*x-1)/(-1+2*x)/(x^2+x-1)$  lgdogf  
A055364 10.0367  $-(4+12*x+8*x^5+15*x^4+24*x^3+5*x^6+22*x^2)/(x-1)/(1+x)/(x^2+x+1)/(x^3+x+1)$  lgdogf  
A055364 8.73569 [  $-(x^3+x+1)/(x^2+x+1)/(x+1)/(x-1)^5$  ogf]  
A055365 4.18792 [  $-(x^8+x^7+3*x^6+5*x^5+7*x^4+5*x^3+5*x^2+2*x+1)/(x^2+1)/(x^2+x+1)/(x+1)^3/(x-1)^7$  ogf]  
A055383 4.96180 [  $-(x^6+3*x^5+11*x^4+12*x^3+9*x^2+3*x+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A055389 14.9307 [  $(x^2-x-1)/(x^2+x-1)$  ogf]  
A055389 26.7819  $2*(x^2+1)/(x^2+x-1)/(x^2-x-1)$  lgdogf  
A055389 7.75813 [  $\{a(n+3)-a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 2\}$ , ogf]  
A055392 3.67613 [  $\{(-64*n^2-256*n-252)*a(n+1)+(-4*n^2-22*n-30)*a(n+2)+(5*n^2+35*n+60)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf]  
A055392 36.6204  $-x*(x+1)*(x^2+x-1)$  revogf  
A055395 19.7750  $-x*(-1+x)*(x^2-3*x+1)/(-1+2*x)^2$  revogf  
A055400 4.46036 [  $x^2*(703*x^37-6859*x^26+5046*x^25+1813*x^24-259*x^18-2527*x^7+2527*x^6-361)/(703*x^37-259*x^18-361)/(x-1)^2$  ogf]  
A055417 19.1642  $-(3-6*x+2*x^3+6*x^2)/(x-1)/(x^3+x^2-2*x+1)$  lgdogf  
A055417 4.43212 [  $\{(-15*n^2-111*n-198)*a(n+1)+(29*n^2+147*n+88)*a(n+2)+(-14*n^2-40*n+6)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 6\}$ , ogf]  
A055417 9.42462 [  $-(x^3+x^2-2*x+1)/(x-1)^5$  ogf]  
A055418 3.95011 [  $-(8*x^8-35*x^7+51*x^6-30*x^5-5*x^4+21*x^3-16*x^2+6*x-1)/(x-1)^10$  ogf]  
A055418 5.82752  $-(-4+22*x+156*x^5-180*x^4+127*x^3+16*x^8-41*x^6-65*x^2-41*x^7)/(x-1)/(8*x^8-35*x^7+51*x^6-30*x^5-5*x^4+21*x^3-16*x^2+6*x-1)$  lgdogf  
A055426 12.9263  $-(5-4*x+18*x^2+52*x^3+9*x^4)/(x-1)/(x+1)/(9*x^3-x^2-x+1)$  lgdogf  
A055426 8.11214 [  $-(x+1)*(9*x^3-x^2-x+1)/(x-1)^5$  ogf]  
A055436 7.42834  $6*(-7-3*x-32160*x^10-13500*x^8+35850*x^9+9720*x^11)/(x-1)/(7290*x^11-16110*x^10+9000*x^9+9*x+11)$  lgdogf  
A055436 8.08283 [  $-(7290*x^11-16110*x^10+9000*x^9+9*x+11)/(x-1)^3$  ogf]  
A055437 15.1841 [  $-(9*x+11)/(x-1)^3$  ogf]  
A055437 30.0056  $-6*(7+3*x)/(9*x+11)/(x-1)$  lgdogf  
A055437 7.12993 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 11, a(1) = 42, a(2) = 93\}$ , ogf]  
A055438 13.0151 [  $-(99*x+101)/(x-1)^3$  ogf]  
A055438 24.6423  $-6*(67+33*x)/(99*x+101)/(x-1)$  lgdogf  
A055438 6.17667 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 101, a(1) = 402, a(2) = 903\}$ , ogf]  
A055456 7.98564 [  $(170*x^15-340*x^14+170*x^13+10*x^5-20*x^4+12*x^3-3*x^2+x+1)/(x-1)^2$  ogf]  
A055484 3.57952 [  $-(x^3-x^2-1)*(x^6+x^4+2*x^3+x^2+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^8$  ogf]  
A055485 3.53096 [  $-(x^8+x^7-3*x^6-x^5+x^4+3*x^3-x^2-3*x-4)/(x^2+x+1)^2/(x+1)^2/(x-1)^8$  ogf]  
A055495 12.8857 [  $-(x^4-x^3+2*x-3)/(x-1)^2$  ogf]  
A055495 16.3701  $(4-2*x+3*x^2-5*x^3+2*x^4)/(x-1)/(x^4-x^3+2*x-3)$  lgdogf  
A055503 7.25986 [  $(x^6-5*x^5+2*x^4+3*x^3-7*x^2+4*x-1)/(x-1)^5$  ogf]

A055503 9.88738  $(1-2*x+x^6+12*x^2-14*x^3+23*x^4-6*x^5)/(x-1)/$   
 $(x^6-5*x^5+2*x^4+3*x^3-7*x^2+4*x-1)$  lgdogf  
A055504 30.7085  $-2*(11+3*x)/(x+3)/(x-1)$  lgdogf  
A055504 4.28536  $[ \{ (-2*n^2-7*n-6)*a(n+1)+(2*n^2-5*n-3)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 15 \},$  ogf]  
A055504 7.17142  $[ -5*x^5*(x+3)/(x-1)^7$  ogf]  
A055518 6.30875  $-2*(1+7*x+8*x^5+59*x^4+62*x^3-8*x^6-37*x^2+x^7)/(1+x)/(x^2-5*x$   
 $+1)/(x^5-4*x^4-19*x^3+11*x^2+6*x-1)$  lgdogf  
A055518 7.17387  $[ -(x+1)*(x^2-5*x+1)/(x^5-4*x^4-19*x^3+11*x^2+6*x-1)$  ogf]  
A055519 4.95492  $[ -(x^4+7*x^3-16*x^2-7*x+1)/$   
 $(x^6+9*x^5-33*x^4-76*x^3+33*x^2+9*x-1)$  ogf]  
A055522 11.1071  $[ 6*(x^2+x+1)/(x-1)^4/(x+1)^4$  ogf]  
A055522 18.5021  $-(1+10*x+6*x^3+7*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A055522 32.2413  $[-x^2+4*x+1$  ogf\_with\_Euler\_transform]  
A055523 12.7034  $[ (x^3-3*x-4)/(x-1)^3/(x+1)^3$  ogf]  
A055523 17.9947  $-3*(-1-8*x-4*x^2+x^4)/(x-1)/(x+1)/(x^3-3*x-4)$  lgdogf  
A055524 9.36738  $[ -(2*x^5+x^4-5*x^3-2*x^2+5*x+5)/(x-1)^3/(x+1)^3$  ogf]  
A055524 9.97245  $-(5+26*x+2*x^5-5*x^4-4*x^3+2*x^6+10*x^2)/(x-1)/(1+x)/$   
 $(2*x^5+x^4-5*x^3-2*x^2+5*x+5)$  lgdogf  
A055528 8.28393  $[ -x*(x^2+4*x+1)/(10*x-1)/(x-1)^4$  ogf]  
A055528 8.33618  $-6*(-3+6*x+5*x^3+28*x^2)/(-1+x)/(10*x-1)/(x^2+4*x+1)$  lgdogf  
A055533 13.6804  $-12*(x^2+3*x+1)/(x-1)/(4*x^2+7*x+1)$  lgdegf  
A055533 2.84968  $[ \{ (-2*n^2-14*n-24)*a(n+1)+(-n^2-8*n-24)*a(n+2)+(n+3)*a(n+3),$   
 $a(0) = 1, a(1) = 12, a(2) = 108 \},$  ogf]  
A055533 6.20437  $[ -(4*x^2+7*x+1)/(x-1)^5$  egf]  
A055536 4.51163  $[ (x^2+4*x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^8$  ogf]  
A055536 9.51828  $-2*(4+17*x+34*x^4+47*x^3+6*x^5+36*x^2)/(x-1)/(x+1)/(x^2+x+1)/$   
 $(x^2+4*x+1)$  lgdogf  
A055546 4.37095  $[ \{ (-2*n^2-8*n-8)*a(n+1)-a(n+2), a(0) = -1, a(1) = 2 \},$  ogf]  
A055554 12.3380  $-(7263271+7263269*x)/(7263269*x+1)/(x-1)$  lgdogf  
A055554 5.42592  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 242, a(1) = 1757711582 \},$  ogf]  
A055554 9.01091  $[ 242*(7263269*x+1)/(x-1)^2$  ogf]  
A055554 9.67688  $-(-121-x+11*(121+14526540*x)^(1/2))/(-1757711098+x)$  revogf  
A055555 3.99551  $[ \{ (n^2+4*n+4)*a(n+1)+(-n^2-5*n-5)*a(n+2)+(n+1)*a(n+3), a(0) = 1,$   
 $a(1) = 1, a(2) = 3/2 \},$  egf]  
A055569 5.27969  $[-2*x^9+2*x^8+2$  ogf\_with\_Euler\_transform]  
A055580 12.3297  $[ 1/(x-1)/(2*x-1)^3$  ogf]  
A055580 25.6575  $-(-7+8*x)/(2*x-1)/(-1+x)$  lgdogf  
A055580 4.10989  $[ \{ (-n-3)*a(n+3)+(13+3*n)*a(n+2)+(-10-2*n)*a(n+1), a(0) = 1, a(1)$   
 $= 7, a(2) = 31 \},$  ogf]  
A055581 11.5197  $[ -1/(x-1)^2/(2*x-1)^3$  ogf]  
A055581 24.3104  $-2*(-4+5*x)/(-1+2*x)/(x-1)$  lgdogf  
A055581 4.21637  $[ \{ (-n-3)*a(n+3)+(14+3*n)*a(n+2)+(-12-2*n)*a(n+1), a(0) = 1, a(1)$   
 $= 8, a(2) = 39 \},$  ogf]  
A055582 24.9370  $-3*(-3+4*x)/(-1+2*x)/(x-1)$  lgdogf  
A055582 4.32284  $[ \{ (-n-3)*a(n+3)+(15+3*n)*a(n+2)+(-14-2*n)*a(n+1), a(0) = 1, a(1)$   
 $= 9, a(2) = 48 \},$  ogf]  
A055582 9.58542  $[ 1/(2*x-1)^3/(x-1)^3$  ogf]  
A055583 24.5922  $-2*(-5+7*x)/(2*x-1)/(x-1)$  lgdogf  
A055583 4.07586  $[ \{ (-n-3)*a(n+3)+(16+3*n)*a(n+2)+(-16-2*n)*a(n+1), a(0) = 1, a(1)$   
 $= 10, a(2) = 58 \},$  ogf]  
A055583 8.15171  $[ -1/(2*x-1)^3/(x-1)^4$  ogf]  
A055585 25.4794  $-2*(-3+2*x)/(-1+2*x)/(x-1)$  lgdogf  
A055585 4.44505  $[ \{ (n+3)*a(n+3)+(-12-3*n)*a(n+2)+(6+2*n)*a(n+1), a(0) = 1, a(1) =$   
 $6, a(2) = 25 \},$  ogf]  
A055585 9.38399  $[ (x-1)^2/(2*x-1)^4$  ogf]  
A055586 22.7353  $-2*(-5+6*x)/(-1+2*x)/(x-1)$  lgdogf  
A055586 3.92097  $[ \{ (-n-3)*a(n+3)+(16+3*n)*a(n+2)+(-14-2*n)*a(n+1), a(0) = 1, a(1)$   
 $= 10, a(2) = 59 \},$  ogf]  
A055586 8.38653  $[ 1/(x-1)^2/(2*x-1)^4$  ogf]  
A055588 12.1971  $[ (2*x-1)/(x-1)/(x^2-3*x+1)$  ogf]

A055588 13.1900  $-( -2+8*x-11*x^2+4*x^3)/(x-1)/(2*x-1)/(x^2-3*x+1)$  lgdogf  
A055588 5.77185  $[ \{ a(n+3)-4*a(n+2)+4*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 4 \},$   
ogf ]  
A055589 28.0863  $-2*(-3+x)/(2*x-1)/(x-1)$  lgdogf  
A055589 5.42043  $[ \{ (-1-n)*a(n+2)+(6+3*n)*a(n+1)-2*n*a(n), a(0) = 0, a(1) = 1 \},$   
ogf ]  
A055589 6.43012  $[ -x*(x-1)^4/(2*x-1)^5$  ogf ]  
A055602 15.5570  $-3*(-15-6*x+x^2)/(x-1)/(x^2-5*x-8)$  lgdegf  
A055602 3.20005  $[ \{ (-n^2-6*n-9)*a(n+1)+(-4*n^2-35*n-76)*a(n+2)+(8+4*n)*a(n+3),$   
 $a(0) = 0, a(1) = 4, a(2) = 45 \},$  ogf ]  
A055602 6.32481  $[ 1/2*x*(x^2-5*x-8)/(x-1)^5$  egf ]  
A055607 7.18764  $[ x^2*(x^4-x^3-x^2-2*x-2)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf ]  
A055607 9.35807  $-( -4-10*x+3*x^7-3*x^5-3*x^6-16*x^3-15*x^4-12*x^2)/(x-1)/(x+1)/$   
 $(x^2+1)/(x^4-x^3-x^2-2*x-2)$  lgdogf  
A055608 13.7852  $-( -13-2*x+10*x^3+13*x^2)/(x-1)/(x+1)/(x^2+x-1)$  lgdogf  
A055609 3.73206  $[ (x^8-x^7-x^6-2*x^5+2*x^4+x^3-3*x^2-2*x-1)/(x^2+x+1)^2/(x+1)^2/$   
 $(x-1)^7$  ogf ]  
A055610 6.33375  $[ x^3*(x^5+x^4-x^3+2*x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$   
ogf ]  
A055610 6.56314  $-(2+5*x^11+4*x+16*x^6+9*x^5+3*x^2+7*x^3+11*x^4+19*x^8+9*x^10-$   
 $x^9)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^5+x^4-x^3+2*x^2-x+1)$  lgdogf  
A055613 2.96596  $[ \{ (-n^2-8*n-12)*a(n+1)+(2*n+17)*a(n+2)-a(n+3), a(0) = 1, a(1) =$   
 $13, a(2) = 190 \},$  ogf ]  
A055613 22.3770  $-( -13+5*x)/(-1+x)^2$  lgdegf  
A055622 4.00869  $[ (4*x^8+8*x^7+10*x^6+8*x^5+6*x^4+x^3-2*x^2-2*x-1)/(x-1)/$   
 $(2*x^5+3*x^3-1)/(4*x^4+6*x^3+2*x^2-1)$  ogf ]  
A055634 3.52392  $[ \{ (2*n^2+10*n+12)*a(n+1)+(-n^2-8*n-15)*a(n+2)+(-5-2*n)*a(n+3)+(n$   
 $+4)*a(n+4), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = -3 \},$  ogf ]  
A055634 39.5658  $-1+x-x^2+(-1+x)*f(x)$  lgdegf  
A055640 32.8204  $[-x^18+x^9+1$  ogf\_with\_Euler\_transform ]  
A055640 5.13875 [ -  
 $x*(x^18+x^17+x^16+x^15+x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+$   
 $x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf ]  
A055645 4.71828 [   
 $x*(85*x^15+x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/$   
 $(x^2+1)/(x^8+1)/(x^4+1)/(x-1)^2$  ogf ]  
A055646 4.87544 [   
 $x*(86*x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/$   
 $(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf ]  
A055647 5.17309 [  $x*(87*x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x$   
 $+1)/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A055648 5.50599 [  $x*(88*x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/$   
 $(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A055649 6.15819 [  $x*(90*x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/$   
 $(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A055658 5.37681  $[ -x^2*(x^4+28*x^3+62*x^2+28*x+1)/(x-1)^7$  ogf ]  
A055658 9.99986  $-(35+292*x+3*x^4+116*x^3+394*x^2)/(x-1)/(x^4+28*x^3+62*x^2+28*x$   
 $+1)$  lgdogf  
A055659 5.14658  $[ -x*(x^5-4*x^4+3*x^3+197*x^2+148*x+15)/(x-1)^7$  ogf ]  
A055659 8.23960  $-(253+1282*x+2*x^5-7*x^4-4*x^3+994*x^2)/(x-1)/$   
 $(x^5-4*x^4+3*x^3+197*x^2+148*x+15)$  lgdogf  
A055660 4.29982  $[ \{ (-4*n^2-38*n-90)*a(n+1)+(n^2+8*n+12)*a(n+2), a(0) = 15, a(1) =$   
 $168 \},$  ogf ]  
A055663 4.53565  $[ \{ (-4*n^2-62*n-240)*a(n+1)+(n^2+13*n+22)*a(n+2), a(0) = 220,$   
 $a(1) = 4004 \},$  ogf ]  
A055780 8.70771  $[ -(x^4-9*x^3-5*x-1)/(x^2+1)/(x+1)^2/(x-1)^4$  ogf ]  
A055780 8.92899  $-( -7-14*x-14*x^5-69*x^4-32*x^3-43*x^6-49*x^2+4*x^7)/(x-1)/(1+x)/$   
 $(x^2+1)/(x^4-9*x^3-5*x-1)$  lgdogf  
A055787 10.6093  $1/2*x*(8*x+3*(1+8*x)^(1/2)+1)/(1+8*x)^(1/2)/((1+8*x)^(1/2)+1)^3$   
revogf  
A055787 4.34116  $[ \{ (-256*n-384)*a(n+1)+(32*n+72)*a(n+2)+(-n-3)*a(n+3), a(0) = 0,$

$a(1) = 4, a(2) = 80$ , ogf]  
A055790 6.65310 [ $\{a(n)*n+(n+2)*a(n+1)-a(n+2), a(0) = 0, a(1) = 2\}$ , ogf]  
A055792 4.88151 [ $\{-a(n+4)+35*a(n+3)-35*a(n+2)+a(n+1), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 289\}$ , ogf]  
A055792 8.85378  $-(9-52*x+9*x^4-52*x^3+598*x^2)/(x-1)/(9*x^2-26*x+1)/(x^2-34*x+1)$   
lgdogf  
A055792 9.69124 [ $-x*(9*x^2-26*x+1)/(x-1)/(x^2-34*x+1)$  ogf]  
A055793 4.82894 [ $\{-a(n+4)+15*a(n+3)-15*a(n+2)+a(n+1), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 49\}$ , ogf]  
A055793 9.51585 [ $-x*(4*x^2-11*x+1)/(x-1)/(x^2-14*x+1)$  ogf]  
A055793 9.66804  $-2*(2-11*x+2*x^4-11*x^3+54*x^2)/(-1+x)/(x^2-14*x+1)/(4*x^2-11*x+1)$   
lgdogf  
A055795 10.1216 [ $-x*(2*x^2-2*x+1)/(x-1)^5$  ogf]  
A055795 24.3746  $-(3-4*x+6*x^2)/(x-1)/(2*x^2-2*x+1)$  lgdogf  
A055795 4.30815 [ $\{(n+3)*a(n+4)+(-3*n-9)*a(n+3)+(4*n+8)*a(n+2)+(-6-2*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 7\}$ , ogf]  
A055796 21.9664  $-(5-8*x+10*x^2)/(-1+x)/(2*x^2-2*x+1)$  lgdogf  
A055796 4.00614 [ $\{(-n-4)*a(n+4)+(14+3*n)*a(n+3)+(-16-4*n)*a(n+2)+(12+2*n)*a(n+1), a(0) = 1, a(1) = 5, a(2) = 16, a(3) = 42\}$ , ogf]  
A055796 8.30139 [ $-(2*x^2-2*x+1)/(x-1)^7$  ogf]  
A055797 15.7141  $-2*(3-5*x+6*x^2)/(x-1)/(2*x^2-2*x+1)$  lgdogf  
A055797 5.46392 [ $(2*x^2-2*x+1)/(x-1)^8$  ogf]  
A055798 21.0762  $-(7-12*x+14*x^2)/(x-1)/(2*x^2-2*x+1)$  lgdogf  
A055798 3.84442 [ $\{(-n-4)*a(n+4)+(16+3*n)*a(n+3)+(-20-4*n)*a(n+2)+(16+2*n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 29, a(3) = 93\}$ , ogf]  
A055798 6.60452 [ $-(2*x^2-2*x+1)/(x-1)^9$  ogf]  
A055799 16.9387  $-2*(4-7*x+8*x^2)/(x-1)/(2*x^2-2*x+1)$  lgdogf  
A055799 4.72061 [ $(2*x^2-2*x+1)/(x-1)^{10}$  ogf]  
A055802 12.1022  $(1+x+x^5-x^4+3*x^3+x^2)/(x-1)/(x+1)/(x^5-2*x^4-x^3+2*x^2-1)$   
lgdogf  
A055802 8.53341 [ $(x^5-2*x^4-x^3+2*x^2-1)/(x+1)^2/(x-1)^3$  ogf]  
A055803 5.46169 [ $(x^7-2*x^6-x^5+4*x^4+x^3-3*x^2+1)/(x+1)^3/(x-1)^4$  ogf]  
A055803 8.83428  $(-1-x-2*x^3-3*x^4+x^5-3*x^6+x^7)/(x-1)/(x+1)/(x^7-2*x^6-x^5+4*x^4+x^3-3*x^2+1)$   
lgdogf  
A055804 4.18376 [ $(x^9-2*x^8-2*x^7+5*x^6+2*x^5-7*x^4-x^3+4*x^2-1)/(x+1)^4/(x-1)^5$  ogf]  
A055804 6.27094  $(1+x+x^6+3*x^5+3*x^7+3*x^4+x^3+x^9-3*x^8-x^2)/(x-1)/(x+1)/(x^9-2*x^8-2*x^7+5*x^6+2*x^5-7*x^4-x^3+4*x^2-1)$  lgdogf  
A055808 11.1285 [ $x*(x^3-7*x^2-x-1)/(x-1)^3$  ogf]  
A055808 22.8809  $4*(1+4*x+x^2)/(x-1)/(x^3-7*x^2-x-1)$  lgdogf  
A055808 5.60263 [ $\{a(n+5)-3*a(n+4)+3*a(n+3)-a(n+2), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 16, a(4) = 36\}$ , ogf]  
A055809 11.6449  $(15-11*x+2*x^3-2*x^2)/(x-1)/(3*x^4-14*x^3+22*x^2-11*x-1)$  lgdogf  
A055809 7.57691 [ $-(3*x^4-14*x^3+22*x^2-11*x-1)/(x-1)^4$  ogf]  
A055810 5.86628 [ $-(4*x^5-25*x^4+60*x^3-65*x^2+26*x+1)/(x-1)^5$  ogf]  
A055810 8.52204  $(-31+26*x+5*x^4-20*x^3+15*x^2)/(x-1)/(4*x^5-25*x^4+60*x^3-65*x^2+26*x+1)$  lgdogf  
A055811 4.67665 [ $-(5*x^6-39*x^5+125*x^4-205*x^3+171*x^2-57*x-1)/(x-1)^6$  ogf]  
A055811 6.57311  $(63-57*x+9*x^5-55*x^4+115*x^3-69*x^2)/(x-1)/(5*x^6-39*x^5+125*x^4-205*x^3+171*x^2-57*x-1)$  lgdogf  
A055814 27.4729  $(1+x+x^3+2*x^2)/(1+x)$  lgdegf  
A055814 4.81262 [ $\{(n^2+5*n+6)*a(n+1)+(n+3)*a(n+2)-a(n+4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 2\}$ , ogf]  
A055819 12.4486 [ $-(x^2+x-1)/(x^2-3*x+1)$  ogf]  
A055819 17.0118  $-2*(1-2*x+2*x^2)/(x^2-3*x+1)/(x^2+x-1)$  lgdogf  
A055819 6.46839 [ $\{-a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A055820 13.1589  $(11-7*x+x^3-x^2)/(x-1)/(2*x^4-9*x^3+14*x^2-7*x-1)$  lgdogf  
A055820 7.66792 [ $-(2*x^4-9*x^3+14*x^2-7*x-1)/(x-1)^4$  ogf]  
A055821 7.80891 [ $-(3*x^5-18*x^4+42*x^3-45*x^2+18*x+1)/(x-1)^5$  ogf]  
A055821 8.59240  $(-23+18*x+3*x^4-12*x^3+9*x^2)/(x-1)/(3*x^5-18*x^4+42*x^3-45*x^2+18*x+1)$  lgdogf

A055822 6.39730 [  $-(4*x^6-30*x^5+93*x^4-149*x^3+123*x^2-41*x-1)/(x-1)^6$  ogf]  
A055823 5.27598  $(-95+88*x+10*x^6-78*x^5+240*x^4-344*x^3+172*x^2)/(x-1)/(5*x^7-45*x^6+174*x^5-370*x^4+456*x^3-308*x^2+88*x+1)$  lgdogf  
A055823 5.58698 [  $-(5*x^7-45*x^6+174*x^5-370*x^4+456*x^3-308*x^2+88*x+1)/(x-1)^7$  ogf]  
A055831 20.3786  $-(2*x-3)*(x-5)/(x-1)/(x^2-5*x+5)$  lgdogf  
A055831 9.66330 [  $(x^2-5*x+5)/(x-1)^4$  ogf]  
A055832 16.5834  $-(30-34*x+9*x^2)/(x-1)/(-2+x)/(3*x-4)$  lgdogf  
A055832 7.84615 [  $-(3*x-4)*(x-2)/(x-1)^5$  ogf]  
A055833 11.6321  $-(-58+82*x+3*x^3-33*x^2)/(x-1)/(x^3-9*x^2+20*x-13)$  lgdogf  
A055833 6.07357 [  $-(x^3-9*x^2+20*x-13)/(x-1)^6$  ogf]  
A055834 4.72707 [  $\{(27*n^2+27*n+6)*a(n)+(22*n^2+60*n+38)*a(n+1)+(-5*n^2-15*n-10)*a(n+2), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A055835 3.20800 [  $\{(-27*n^2-81*n-60)*a(n+1)+(-22*n^2-104*n-120)*a(n+2)+(5*n^2+25*n+30)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 12\}$ , ogf]  
A055836 9.28837  $1/2*(-27*x^2-27*x-10+(9*x^2+8*x+4)*(5+9*x)^2)^{(1/2)}*(x+1)$  revogf  
A055841 13.1227 [  $\{-a(n+3)+4*a(n+2), a(0) = 1, a(1) = 2, a(2) = 9\}$ , ogf]  
A055841 24.4958 [  $-(x-1)^2/(4*x-1)$  ogf]  
A055841 47.3293  $2*(2*x+1)/(4*x-1)/(x-1)$  lgdogf  
A055842 16.1021 [  $-(x-1)^2/(5*x-1)$  ogf]  
A055842 32.3583  $(3+5*x)/(5*x-1)/(-1+x)$  lgdogf  
A055842 8.52465 [  $\{-a(n+3)+5*a(n+2), a(0) = 1, a(1) = 3, a(2) = 16\}$ , ogf]  
A055843 27.9072  $-(13+27*x)/(3*x+1)/(x-1)$  lgdogf  
A055843 4.46471 [  $\{(-n-3)*a(n+3)+(9-2*n)*a(n+2)+(30+3*n)*a(n+1), a(0) = 1, a(1) = 13, a(2) = 85\}$ , ogf]  
A055843 5.50888 [  $(3*x+1)/(x-1)^{10}$  ogf]  
A055844 27.0575  $-2*(7+18*x)/(4*x+1)/(x-1)$  lgdogf  
A055844 4.50827 [  $\{(n+3)*a(n+3)+(-8+3*n)*a(n+2)+(-40-4*n)*a(n+1), a(0) = 1, a(1) = 14, a(2) = 95\}$ , ogf]  
A055844 5.56262 [  $(4*x+1)/(x-1)^{10}$  ogf]  
A055845 12.0894 [  $(4*x+1)/(x^2-4*x+1)$  ogf]  
A055845 12.6585  $-1/2*(-4*x-1+(12*x^2+24*x+1)^{(1/2)})/(-4+x)$  revogf  
A055845 15.1903  $-2*(-4+x+2*x^2)/(4*x+1)/(x^2-4*x+1)$  lgdogf  
A055845 6.63443 [  $\{-a(n+2)+4*a(n+1)-a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A055846 13.1929 [  $-(x-1)^2/(6*x-1)$  ogf]  
A055846 25.2828  $2*(2+3*x)/(6*x-1)/(x-1)$  lgdogf  
A055846 6.98448 [  $\{-a(n+3)+6*a(n+2), a(0) = 1, a(1) = 4, a(2) = 25\}$ , ogf]  
A055847 13.5806 [  $-(x-1)^2/(8*x-1)$  ogf]  
A055847 26.0498  $2*(3+4*x)/(8*x-1)/(x-1)$  lgdogf  
A055847 7.18975 [  $\{-a(n+3)+8*a(n+2), a(0) = 1, a(1) = 6, a(2) = 49\}$ , ogf]  
A055848 27.3240  $-15*(3*x+1)/(5*x+1)/(x-1)$  lgdogf  
A055848 4.52227 [  $\{(n+3)*a(n+3)+(-7+4*n)*a(n+2)+(-50-5*n)*a(n+1), a(0) = 1, a(1) = 15, a(2) = 105\}$ , ogf]  
A055848 5.61637 [  $(5*x+1)/(x-1)^{10}$  ogf]  
A055849 13.9736 [  $(6*x+1)/(x^2-3*x+1)$  ogf]  
A055849 15.0190  $-1/2*(-1-3*x+(1+30*x+5*x^2)^{(1/2)})/(-6+x)$  revogf  
A055849 17.5937  $-(-9+2*x+6*x^2)/(6*x+1)/(x^2-3*x+1)$  lgdogf  
A055849 7.66845 [  $\{-a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A055850 14.0460 [  $(7*x+1)/(x^2-3*x+1)$  ogf]  
A055850 15.4760  $-1/2*(-1-3*x+(1+34*x+5*x^2)^{(1/2)})/(x-7)$  revogf  
A055850 17.1955  $-(-10+2*x+7*x^2)/(7*x+1)/(x^2-3*x+1)$  lgdogf  
A055850 7.61531 [  $\{-a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A055851 4.77959 [  $-x*(9*x^8+100*x^7+25*x^6-162*x^5-296*x^4-74*x^3+9*x^2+4*x+1)/(x-1)/(x^2+x+1)/(x^6-98*x^3+1)$  ogf]  
A055852 26.3363  $-(-7+2*x)/(-1+2*x)/(x-1)$  lgdogf  
A055852 5.17618 [  $-x*(x-1)^5/(2*x-1)^6$  ogf]  
A055852 5.30451 [  $\{(-1-n)*a(n+2)+(7+3*n)*a(n+1)-2*n*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A055853 27.1508  $-2*(-4+x)/(-1+2*x)/(x-1)$  lgdogf  
A055853 4.59301 [  $-x*(x-1)^6/(2*x-1)^7$  ogf]

A055853 5.46607 [  $\{(-1-n)*a(n+2)+(8+3*n)*a(n+1)-2*n*a(n), a(0) = 0, a(1) = 1\}$ ,  
ogf ]  
A055854 27.2905  $-( -9+2*x)/(2*x-1)/(x-1)$  lgdogf  
A055854 3.79368 [  $-x*(x-1)^7/(2*x-1)^8$  ogf ]  
A055854 5.26726 [  $\{(-1-n)*a(n+2)+(9+3*n)*a(n+1)-2*n*a(n), a(0) = 0, a(1) = 1\}$ ,  
ogf ]  
A055855 24.7623  $-2*(-5+x)/(-1+2*x)/(x-1)$  lgdogf  
A055855 3.21186 [  $-x*(x-1)^8/(2*x-1)^9$  ogf ]  
A055855 4.94943 [  $\{(-1-n)*a(n+2)+(10+3*n)*a(n+1)-2*n*a(n), a(0) = 0, a(1) = 1\}$ ,  
ogf ]  
A055856 4.27018 [ -  
 $(x^{10}+15*x^9+71*x^8+192*x^7+326*x^6+388*x^5+326*x^4+192*x^3+71*x^2+15*x+1)/$   
 $(x^2+x+1)/(x+1)^3/(x-1)^5$  ogf ]  
A055859 5.54936 [  $-x*(9*x^8+256*x^7+64*x^6-270*x^5-764*x^4-191*x^3+9*x^2+4*x+1)/$   
 $(x-1)/(x^2+x+1)/(x^6-254*x^3+1)$  ogf ]  
A055872 5.16645 [  $-x*(4*x+1)*(9*x^4-26*x^2+1)/(x-1)/(x+1)/(x^2+6*x+1)/(x^2-6*x$   
 $+1)$  ogf ]  
A055879 14.4004  $-1/2*(-x^2-1+(x^4+6*x^2+1+4*x-4*x^3)^{(1/2)})/(-1-x+x^2)$  revogf  
A055882 13.5599  $(-n-2)*a(n+2)+2*a(n+1), a(0)=2, a(1)=4$  lgdegf  
A055899 6.21335 [  $-(x^4+2*x^3+4*x^2+2*x+1)/(x+1)^2/(x-1)^7$  ogf ]  
A055899 9.38638  $-(7+27*x+5*x^5+17*x^4+42*x^3+42*x^2)/(x-1)/(x+1)/$   
 $(x^4+2*x^3+4*x^2+2*x+1)$  lgdogf  
A055900 3.83404 [  $-(x^6+3*x^5+9*x^4+9*x^3+9*x^2+3*x+1)/(x+1)^3/(x-1)^9$  ogf ]  
A055900 6.29416  $-3*(3+16*x+9*x^6+2*x^7+38*x^2+60*x^3+50*x^4+32*x^5)/(x-1)/(x+1)/$   
 $(x^6+3*x^5+9*x^4+9*x^3+9*x^2+3*x+1)$  lgdogf  
A055908 10.3562  $-(4+8*x+3*x^5+13*x^4+15*x^3+6*x^6+11*x^2)/(x-1)/(1+x)/(x^2+1)/$   
 $(x^3+x+1)$  lgdogf  
A055908 6.88203 [  $-(x^3+x+1)/(x^2+1)/(x+1)^2/(x-1)^5$  ogf ]  
A055909 4.30049 [  $-(x^5-x^4+3*x^3+x+1)/(x+1)^2/(x^2+1)^2/(x-1)^7$  ogf ]  
A055909 7.33291  $-(6+10*x+15*x^5+27*x^4+29*x^3+8*x^8+30*x^6+19*x^2-4*x^7)/(x-1)/$   
 $(1+x)/(x^2+1)/(x^5-x^4+3*x^3+x+1)$  lgdogf  
A055920 5.34479 [  $-(x^8+14*x^7+56*x^6+122*x^5+146*x^4+122*x^3+56*x^2+14*x+1)/(x$   
 $+1)^3/(x-1)^5$  ogf ]  
A055958 4.48891 [   
 $-2*x*(32*x^{17}-4*x^{16}-4*x^{15}-4*x^{14}-4*x^{13}-4*x^{12}-4*x^{11}-4*x^{10}-4*x^9+3*x^8-x^7-$   
 $x^6-x^5-x^4-x^3-x^2-x-1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf ]  
A055961 5.17120 [  $10*x^{11}*(10*x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x+1)/$   
 $(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A055963 4.72984 [  $11*x^{12}*(11*x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x$   
 $+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf ]  
A055966 6.61396 [  $-x*(34*x^{21}-34*x^{20}+19*x^{19}+4*x-2)/(21*x^{21}-21*x^{20}-2*x+1)/$   
 $(x-1)^2$  ogf ]  
A055966 8.53341  $-(76+35017*x^{19}-59592*x^{20}+30720*x^{21}-160*x-6859*x^{18})/(x-1)/$   
 $(160*x^{21}-156*x^{20}-361*x^{19}-80*x+38)$  lgdogf  
A055979 10.2881 [  $-(x^3+2*x^2-11*x-4)/(x^2+6*x+1)/(x^2-6*x+1)$  ogf ]  
A055979 6.64114  $-(11+268*x+x^6+4*x^5-16*x^3+x^4+371*x^2)/(x^2+6*x+1)/$   
 $(x^2+1-6*x)/(x^3+2*x^2-11*x-4)$  lgdogf  
A055988 11.8622  $-(2-2*x+x^4-4*x^3+6*x^2)/(x-1)/(x^4-4*x^3+6*x^2-5*x+1)$  lgdogf  
A055988 8.48614 [  $-(x-1)^3/(x^4-4*x^3+6*x^2-5*x+1)$  ogf ]  
A055989 10.4820  $-(3-7*x+12*x^2-8*x^3+2*x^4)/(x-1)/(x^4-4*x^3+6*x^2-5*x+1)$  lgdogf  
A055989 8.84328 [  $(x-1)^2/(x^4-4*x^3+6*x^2-5*x+1)$  ogf ]  
A055990 10.1072 [  $-(x-1)/(x^4-4*x^3+6*x^2-5*x+1)$  ogf ]  
A055990 10.2344  $-(4-12*x+18*x^2-12*x^3+3*x^4)/(x-1)/(x^4-4*x^3+6*x^2-5*x+1)$   
lgdogf  
A055991 12.7771 [  $1/(x^4-4*x^3+6*x^2-5*x+1)$  ogf ]  
A055991 13.0503  $-( -5+12*x-12*x^2+4*x^3)/(6*x^2+1-5*x+x^4-4*x^3)$  lgdogf  
A055994 27.4573  $-2*(8+27*x)/(1+6*x)/(x-1)$  lgdogf  
A055994 4.54391 [  $\{(n+3)*a(n+3)+(-6+5*n)*a(n+2)+(-60-6*n)*a(n+1), a(0) = 1, a(1)$   
 $= 16, a(2) = 115\}$ , ogf ]  
A055994 5.64324 [  $(6*x+1)/(x-1)^{10}$  ogf ]  
A055995 12.6938 [  $-(x-1)^2/(9*x-1)$  ogf ]

A055995 26.6402  $(7+9*x)/(9*x-1)/(x-1)$  lgdogf  
A055995 6.72025  $[{-a(n+3)+9*a(n+2), a(0) = 1, a(1) = 7, a(2) = 64}],$  ogf]  
A055996 12.4178  $[ -(x-1)^2/(10*x-1)$  ogf]  
A055996 23.3102  $2*(4+5*x)/(10*x-1)/(x-1)$  lgdogf  
A055996 6.64210  $[{-a(n+3)+10*a(n+2), a(0) = 1, a(1) = 8, a(2) = 81}],$  ogf]  
A055997 12.3475  $[ -(2*x^2-5*x+1)/(x-1)/(x^2-6*x+1)$  ogf]  
A055997 6.72498  $[{-a(n+3)+7*a(n+2)-7*a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 9}],$  ogf]  
A055997 9.23676  $-2*(1-5*x+x^4-5*x^3+12*x^2)/(x-1)/(x^2-6*x+1)/(2*x^2-5*x+1)$  lgdogf  
A055998 12.9045  $[ x*(2*x-3)/(x-1)^3$  ogf]  
A055998 31.4730  $-(-7+4*x)/(x-1)/(2*x-3)$  lgdogf  
A055998 6.62661  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 7}],$  ogf]  
A055999 14.2106  $[ x*(3*x-4)/(x-1)^3$  ogf]  
A055999 31.9260  $-3*(-3+2*x)/(x-1)/(3*x-4)$  lgdogf  
A055999 7.29733  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 9}],$  ogf]  
A056000 14.0028  $[ x*(4*x-5)/(x-1)^3$  ogf]  
A056000 32.7653  $-(-11+8*x)/(x-1)/(4*x-5)$  lgdogf  
A056000 7.12644  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 11}],$  ogf]  
A056001 27.6295  $-8*(2+7*x)/(7*x+1)/(x-1)$  lgdogf  
A056001 4.39245  $[{(n+3)*a(n+3)+(-4+6*n)*a(n+2)+(-63-7*n)*a(n+1), a(0) = 1, a(1) = 16, a(2) = 108}],$  ogf]  
A056001 6.20584  $[ -(7*x+1)/(x-1)^9$  ogf]  
A056002 12.0013  $[ -(x-1)^2/(11*x-1)$  ogf]  
A056002 23.5000  $(9+11*x)/(11*x-1)/(x-1)$  lgdogf  
A056002 6.34553  $[{-a(n+3)+11*a(n+2), a(0) = 1, a(1) = 9, a(2) = 100}],$  ogf]  
A056003 26.1031  $-18*(1+4*x)/(8*x+1)/(x-1)$  lgdogf  
A056003 4.32312  $[{(n+3)*a(n+3)+(-4+7*n)*a(n+2)+(-80-8*n)*a(n+1), a(0) = 1, a(1) = 18, a(2) = 135}],$  ogf]  
A056003 5.36903  $[ (8*x+1)/(x-1)^{10}$  ogf]  
A056005 15.4302  $- (19+9*x+10*x^3-30*x^2)/(-1+x)/(x-2)/(2*x^2-2*x-1)$  lgdogf  
A056005 4.14474  $[{(11*n^2+73*n+120)*a(n+1)+(-25*n^2-90*n+20)*a(n+2)+(14*n^2-4*n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2}],$  ogf]  
A056005 6.35300  $[ x^3*(x-2)*(2*x^2-2*x-1)/(x-1)^8$  ogf]  
A056010 15.4828  $1/2*x^2+x+1/2-1/2*(x^4+4*x^3+6*x^2+1)^{(1/2)}$  revogf  
A056010 4.16529  $[{(-4*n-6)*a(n+1)+(4*n+18)*a(n+3)+(-n-6)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 8}],$  ogf]  
A056014 13.1256  $[ -x^3/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A056014 14.5406  $-2*(x-2)*(2*x-1)*(x+1)/(x^2-3*x+1)/(x^2+x-1)$  lgdogf  
A056015 9.22482  $-2*(3-5*x-6*x^2-6*x^3+5*x^4+3*x^5)/(x^3+x^2-5*x+1)/(x^3+x^2+x-1)$  lgdogf  
A056015 9.27312  $[ -1/(x^3+x^2-5*x+1)/(x^3+x^2+x-1)$  ogf]  
A056016 13.2981  $[ (4*x^2+3*x+1)/(x^3+x^2+2*x+1)$  ogf]  
A056016 15.1247  $-(-1-6*x-2*x^2+6*x^3+4*x^4)/(4*x^2+3*x+1)/(x^3+x^2+2*x+1)$  lgdogf  
A056016 7.24271  $[{-a(n+3)-2*a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 1}],$  ogf]  
A056020 13.7199  $[ (x^2+7*x+1)/(x+1)/(x-1)^2$  ogf]  
A056020 18.6532  $- (8+12*x+15*x^2+x^3)/(x-1)/(x+1)/(x^2+7*x+1)$  lgdogf  
A056020 7.40629  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 8, a(2) = 10}],$  ogf]  
A056021 10.7859  $[ (x^2+3*x+1)^2/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A056021 13.0984  $- (7+8*x+x^5+10*x^4+9*x^3+5*x^2)/(x-1)/(1+x)/(x^2+1)/(x^2+3*x+1)$  lgdogf  
A056022 8.72429  $[ (x^6+17*x^5+x^4+11*x^3+x^2+17*x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A056024 6.26840  $[ (x^{10}+2*x^9+6*x^8+18*x^7+13*x^6+41*x^5+13*x^4+18*x^3+6*x^2+2*x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A056025 5.38079 [



$(x^{12}+18x^{11}+3x^{10}+x^9+47x^8+10x^7+9x^6+10x^5+47x^4+x^3+3x^2+18x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]
   
 A056026 10.0206 [  $(x^4+25x^3+173x^2+25x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]
   
 A056026 7.80742  $-(26+372x+545x^2+2599x^3+4232x^4+51x^5+274x^6+274x^7)/(x-1)/(1+x)/(x^4+25x^3+173x^2+25x+1)/(x^2+1)$  lgdogf
   
 A056040 13.7118  $-(-1-4x+16x^3-8x^2)/(2x+1)/(-1+2x)/(4x^2-x-1)$  lgdogf
   
 A056040 3.75379 [  $\{(24n^2+24n)a(n)+(-20n^2-80n-68)a(n+1)+(-6n^2+34)a(n+2)+(5n^2+15n)a(n+3), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6\}$ , ogf]
   
 A056046 6.56131 [  $-2x^3(31x^2-6x-1)/(x-1)/(4x-1)/(3x-1)/(2x-1)/(7x-1)/(5x-1)$  ogf]
   
 A056074 11.3850  $-(17+6x+8x^3-24x^2)/(x-1)/(x-2)/(2x^2-2x-1)$  lgdogf
   
 A056074 5.33152 [  $-(x-2)(2x^2-2x-1)/(x-1)^7$  ogf]
   
 A056078 17.5214  $-3(5+x+2x^3-6x^2)/(x-1)/(x-2)/(2x^2-2x-1)$  lgdogf
   
 A056078 4.62108 [  $\{(3n^2+15n+18)a(n+1)+(-7n^2-26n-15)a(n+2)+(4n^2+6n+2)a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]
   
 A056078 7.82029 [  $x^2(x-2)(2x^2-2x-1)/(x-1)^6$  ogf]
   
 A056081 13.2556 [  $(x^2+25x+1)/(x+1)/(x-1)^2$  ogf]
   
 A056081 17.5211  $-(26+30x+51x^2+x^3)/(x-1)/(x+1)/(x^2+25x+1)$  lgdogf
   
 A056081 7.20921 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 26, a(2) = 28\}$ , ogf]
   
 A056082 10.3133 [  $(x^4+56x^3+11x^2+56x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]
   
 A056082 7.85854  $-(57+79x+113x^2+90x^3+236x^4+132x^5+292x^6+x^7)/(x-1)/(x+1)/(1+x^2)/(x^4+56x^3+11x^2+56x+1)$  lgdogf
   
 A056083 8.20198 [  $(x^6+17x^5+x^4+305x^3+x^2+17x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]
   
 A056084 11.9211 [  $(x^2+727x+1)/(x+1)/(x-1)^2$  ogf]
   
 A056084 14.4387  $-(728+732x+x^3+1455x^2)/(x-1)/(1+x)/(x^2+727x+1)$  lgdogf
   
 A056084 6.47440 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 728, a(2) = 730\}$ , ogf]
   
 A056085 5.57511 [  $(x^{10}+123x^9+37x^8+435x^7+36x^6+67x^5+36x^4+435x^3+37x^2+123x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
 A056087 6.26337  $-(1376+2622x+3245x^2+7499x^3+3382x^4+2751x^5+6124x^6+x^7)/(x-1)/(1+x)/(x^2+1)/(x^4+1375x^3+623x^2+1375x+1)$  lgdogf
   
 A056087 8.64261 [  $(x^4+1375x^3+623x^2+1375x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]
   
 A056091 7.24119  $-(182+704x+x^7+965x^5+363x^6+632x^3+1167x^4+986x^2)/(x-1)/(x+1)/(x^2+1)/(x^4+181x^3+261x^2+181x+1)$  lgdogf
   
 A056091 9.51629 [  $(x^4+181x^3+261x^2+181x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]
   
 A056092 7.31120 [  $(x^6+1046x^5+x^4+305x^3+x^2+1046x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]
   
 A056094 4.80325 [  $(x^{10}+1962x^9+103x^8+720x^7+4030x^6+1009x^5+4030x^4+720x^3+103x^2+1962x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
 A056096 6.23953  $-2-15/2x-4x^2-1/2x^3+1/2(x^2+6x+1)(x+4)^2(x+1)^2$  revogf
   
 A056102 6.20105  $-(1068+3046x+4035x^2+6325x^3+3132x^4+2135x^5+5258x^6+x^7)/(x-1)/(1+x)/(x^2+1)/(x^4+1067x^3+989x^2+1067x+1)$  lgdogf
   
 A056102 8.55829 [  $(x^4+1067x^3+989x^2+1067x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]
   
 A056103 6.88153 [  $(x^6+1352x^5+x^4+14099x^3+x^2+1352x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]
   
 A056105 13.1915 [  $-(6x^2-x+1)/(x-1)^3$  ogf]
   
 A056105 23.2141  $-2(1+5x+3x^2)/(x-1)/(6x^2-x+1)$  lgdogf
   
 A056105 7.18465 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 9\}$ , ogf]
   
 A056106 14.2523 [  $-(5x^2+1)/(x-1)^3$  ogf]
   
 A056106 25.7091  $-(3+10x+5x^2)/(x-1)/(5x^2+1)$  lgdogf
   
 A056106 7.18922 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]
   
 A056107 13.3177 [  $-(4x^2+x+1)/(x-1)^3$  ogf]
   
 A056107 23.4406  $-2(x+2)(2x+1)/(x-1)/(x+1+4x^2)$  lgdogf
   
 A056107 7.18922 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 13\}$ , ogf]

ogf]  
 A056108 13.3177 [  $-(3*x^2+2*x+1)/(x-1)^3$  ogf]  
 A056108 22.7709  $-(3*x^2+10*x+5)/(x-1)/(3*x^2+2*x+1)$  lgdogf  
 A056108 7.18922 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 15\}$ ,  
 ogf]  
 A056109 13.3809 [  $-(x+1)*(2*x+1)/(x-1)^3$  ogf]  
 A056109 23.5539  $-2*(x^2+5*x+3)/(x-1)/(2*x+1)/(1+x)$  lgdogf  
 A056109 7.22329 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 17\}$ ,  
 ogf]  
 A056114 30.9792  $-10*(9*x+2)/(9*x+1)/(x-1)$  lgdogf  
 A056114 5.11655 [ $\{(n+3)*a(n+3)+(-4+8*n)*a(n+2)+(-99-9*n)*a(n+1), a(0) = 1, a(1) = 20, a(2) = 165\}$ , ogf]  
 A056114 5.83665 [  $-(9*x+1)/(x-1)^{11}$  ogf]  
 A056115 14.1408 [  $x*(5*x-6)/(x-1)^3$  ogf]  
 A056115 31.7692  $-(-13+10*x)/(x-1)/(5*x-6)$  lgdogf  
 A056115 7.19665 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 13\}$ ,  
 ogf]  
 A056116 10.8401 [  $-(x-1)^2/(12*x-1)$  ogf]  
 A056116 20.3047  $2*(5+6*x)/(12*x-1)/(x-1)$  lgdogf  
 A056116 5.66642 [ $\{-a(n+3)+12*a(n+2), a(0) = 1, a(1) = 10, a(2) = 121\}$ , ogf]  
 A056117 27.7683  $-(17+64*x)/(8*x+1)/(x-1)$  lgdogf  
 A056117 4.41408 [ $\{(n+3)*a(n+3)+(-3+7*n)*a(n+2)+(-72-8*n)*a(n+1), a(0) = 1, a(1) = 17, a(2) = 117\}$ , ogf]  
 A056117 6.23641 [  $-(8*x+1)/(x-1)^9$  ogf]  
 A056118 26.3929  $-2*(8+25*x)/(10*x+1)/(x-1)$  lgdogf  
 A056118 4.54597 [ $\{(n+3)*a(n+3)+(2+9*n)*a(n+2)+(-60-10*n)*a(n+1), a(0) = 1, a(1) = 16, a(2) = 81\}$ , ogf]  
 A056118 8.64295 [  $(10*x+1)/(x-1)^6$  ogf]  
 A056119 14.2098 [  $x*(6*x-7)/(x-1)^3$  ogf]  
 A056119 31.9265  $-3*(-5+4*x)/(x-1)/(6*x-7)$  lgdogf  
 A056119 7.23176 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 15\}$ ,  
 ogf]  
 A056120 5.38542 [ $\{-a(n+4)+4*a(n+3), a(0) = 1, a(1) = 1, a(2) = 7, a(3) = 27\}$ ,  
 ogf]  
 A056120 9.85634 [  $(x-1)^3/(4*x-1)$  ogf]  
 A056121 14.3477 [  $x*(7*x-8)/(x-1)^3$  ogf]  
 A056121 32.2410  $-(-17+14*x)/(x-1)/(7*x-8)$  lgdogf  
 A056121 7.30197 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 17\}$ ,  
 ogf]  
 A056122 27.1907  $-(17+63*x)/(7*x+1)/(x-1)$  lgdogf  
 A056122 4.32312 [ $\{(n+3)*a(n+3)+(-5+6*n)*a(n+2)+(-70-7*n)*a(n+1), a(0) = 1, a(1) = 17, a(2) = 125\}$ , ogf]  
 A056122 5.36903 [  $(7*x+1)/(x-1)^{10}$  ogf]  
 A056123 14.1908 [  $(8*x+1)/(x^2-3*x+1)$  ogf]  
 A056123 15.2574  $-1/2*(-1-3*x+(1+38*x+5*x^2)^{(1/2)})/(-8+x)$  revogf  
 A056123 17.3765  $-(-11+2*x+8*x^2)/(8*x+1)/(x^2-3*x+1)$  lgdogf  
 A056123 7.69383 [ $\{-a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
 A056124 11.3572 [  $-(7*x+1)/(x-1)/(x^2-3*x+1)$  ogf]  
 A056124 12.0215  $-(-11-8*x+14*x^3-25*x^2)/(x-1)/(7*x+1)/(x^2-3*x+1)$  lgdogf  
 A056124 5.28010 [ $\{a(n+3)-4*a(n+2)+4*a(n+1)-a(n), a(0) = 1, a(1) = 11, a(2) = 40\}$ , ogf]  
 A056125 26.7909  $-18*(1+4*x)/(9*x+1)/(x-1)$  lgdogf  
 A056125 4.43572 [ $\{(n+3)*a(n+3)+(-2+8*n)*a(n+2)+(-81-9*n)*a(n+1), a(0) = 1, a(1) = 18, a(2) = 126\}$ , ogf]  
 A056125 6.26698 [  $-(9*x+1)/(x-1)^9$  ogf]  
 A056126 14.4167 [  $x*(8*x-9)/(x-1)^3$  ogf]  
 A056126 32.3983  $-(-19+16*x)/(x-1)/(8*x-9)$  lgdogf  
 A056126 7.33707 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 9, a(2) = 19\}$ ,  
 ogf]  
 A056128 30.1231  $-4*(5+22*x)/(8*x+1)/(x-1)$  lgdogf  
 A056128 4.97666 [ $\{(n+3)*a(n+3)+(-6+7*n)*a(n+2)+(-96-8*n)*a(n+1), a(0) = 1, a(1)$

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= 20, a(2) = 174}], ogf]
A056128 5.24936 [ (8*x+1)/(x-1)^12 ogf]
A056136 12.8851 [ -(3*x^2+2*x+1)/(x-1)^3/(x+1)^3 ogf]
A056136 17.1146 -2*(1+6*x+6*x^3+5*x^2)/(x-1)/(1+x)/(3*x^2+2*x+1) lgdogf
A056143 6.58113 [ x*(101*x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/
(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]
A056158 25.9446 (1+3*x+x^2)/(x+2)/(x+1) lgdegf
A056161 7.80606 [ (x^4+x^3-19*x^2-5*x-2)/(x-1)/(x^2+6*x+1)/(x^2-6*x+1) ogf]
A056182 16.5294 [ 2*x/(3*x-1)/(2*x-1) ogf]
A056182 17.1980 -1/12*(-2-5*x+(4+20*x+x^2)^(1/2))/x revogf
A056182 22.2937 -(-5+12*x)/(3*x-1)/(-1+2*x) lgdogf
A056182 7.55046 [{a(n+2)-5*a(n+1)+6*a(n), a(0) = 0, a(1) = 2}], ogf]
A056197 17.3906 -(7+10*x+x^2)/(-1+x)/(x^2+4*x+1) lgdegf
A056197 9.31602 [ -(x^2+4*x+1)/(x-1)^3 egf]
A056199 3.54607 [ {(n^2+3*n)*a(n)+(-2*n^2-10*n-8)*a(n+1)+(n^2+8*n+10)*a(n+2)+(-2-
n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 3}], ogf]
A056220 13.2636 [ -(x^2+4*x-1)/(x-1)^3 ogf]
A056220 25.7247 -(1+10*x+x^2)/(x-1)/(x^2+4*x-1) lgdogf
A056220 7.22394 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = -1, a(1) = 1, a(2) = 7},
ogf]
A056236 14.3777 [ -2*(2*x-1)/(2*x^2-4*x+1) ogf]
A056236 16.6874 -2*(1-2*x+2*x^2)/(2*x-1)/(2*x^2-4*x+1) lgdogf
A056236 7.89018 [{a(n+2)-4*a(n+1)+2*a(n), a(0) = 2, a(1) = 4}], ogf]
A056243 11.0039 [ (x^2-3*x-1)/(2*x-1)^3 ogf]
A056243 18.5849 -(-9-10*x+2*x^2)/(2*x-1)/(x^2-3*x-1) lgdogf
A056243 5.98455 [{a(n+3)-6*a(n+2)+12*a(n+1)-8*a(n), a(0) = 1, a(1) = 9, a(2) =
41}], ogf]
A056272 5.57082 -(2-34*x+570*x^6-1440*x^5-800*x^3+1495*x^4+231*x^2)/(x-1)/
(3*x-1)/(2*x-1)/(5*x-1)/(19*x^3-24*x^2+9*x-1) lgdogf
A056272 7.06430 [ -(19*x^3-24*x^2+9*x-1)/(x-1)/(3*x-1)/(2*x-1)/(5*x-1) ogf]
A056273 5.21977 [ -(91*x^4-135*x^3+68*x^2-14*x+1)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/
(2*x-1) ogf]
A056308 10.9635 [ -3*(3*x+2)*(4*x-1)/(6*x-1)/(6*x^2-1) ogf]
A056308 6.04884 [{a(n+3)-6*a(n+2)-6*a(n+1)+36*a(n), a(0) = 6, a(1) = 21, a(2) =
126}], ogf]
A056308 8.07346 -(7+432*x^4+360*x^3-174*x^2)/(6*x-1)/(3*x+2)/(4*x-1)/(6*x^2-1)
lgdogf
A056309 12.0981 [ x*(4*x^2-x-1)/(2*x-1)/(x-1)/(2*x^2-1) ogf]
A056309 7.65715 -2*(-2+4*x+16*x^5-18*x^4-2*x^3+3*x^2)/(x-1)/(2*x-1)/(2*x^2-1)/
(4*x^2-x-1) lgdogf
A056310 4.65748 [ -3*x^2*(12*x^4-5*x^3-4*x^2+1)/(2*x-1)/(3*x-1)/(x-1)/(3*x^2-1)/
(2*x^2-1) ogf]
A056311 3.29964 [ 12*x^3*(3*x+1)*(8*x^4-3*x^3-2*x^2-x+1)/(x-1)/(4*x-1)/(3*x-1)/
(2*x+1)/(2*x-1)/(3*x^2-1)/(2*x^2-1) ogf]
A056323 5.86465 -(2-12*x+176*x^6-192*x^5-24*x^4+74*x^3+3*x^2)/(x-1)/(2*x+1)/
(2*x-1)/(-1+4*x)/(11*x^3-6*x^2-3*x+1) lgdogf
A056323 8.07754 [ -(11*x^3-6*x^2-3*x+1)/(x-1)/(2*x+1)/(2*x-1)/(4*x-1) ogf]
A056324 3.50098 [ -(215*x^7-289*x^6-25*x^5+168*x^4-51*x^3-16*x^2+9*x-1)/(x-1)/
(3*x-1)/(2*x-1)/(5*x-1)/(2*x^2-1)/(5*x^2-1) ogf]
A056326 12.3070 [ x*(x^2+x-1)/(2*x-1)/(x-1)/(2*x^2-1) ogf]
A056326 8.28118 -(-2+2*x+8*x^5+6*x^4-28*x^3+15*x^2)/(x-1)/(2*x-1)/(2*x^2-1)/
(x^2+x-1) lgdogf
A056327 4.87369 [ x^2*(3*x^4-8*x^3+3*x^2+2*x-1)/(2*x-1)/(3*x-1)/(x-1)/(3*x^2-1)/
(2*x^2-1) ogf]
A056328 5.21022 [ -x^3*(3*x^3+x^2-2*x+1)/(3*x^2-1)/(x-1)/(4*x-1)/(3*x-1)/(2*x
+1)/(2*x-1) ogf]
A056449 10.9648 [ {-a(n+2)+3*a(n), a(0) = 3, a(1) = 3}], ogf]
A056449 17.1158 [ -3*(x+1)/(3*x^2-1) ogf]
A056449 19.1011 1/6*(-3+(9+12*x+12*x^2)^(1/2))/(x+1) revogf
A056449 22.9213 -(1+6*x+3*x^2)/(x+1)/(3*x^2-1) lgdogf
A056450 10.0561 -1/2*arcsinh(1/3*3^(1/2))+1/2*arcsinh(1/3*3^(1/2)*(x+1)) revegf

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A056450 14.0603 [  $-4*(x+1)/(2*x-1)/(2*x+1)$  ogf]  
A056450 15.6428  $-(1+8*x+4*x^2)/(1+2*x)/(2*x-1)/(x+1)$  lgdogf  
A056450 9.00736 [  $\{-a(n+2)+4*a(n), a(0) = 4, a(1) = 4\}$ , ogf]  
A056451 12.6102  $-1/5*5^(1/2)*(arcsinh(1/2)-arcsinh(1/2*x+1/2))$  revegfg  
A056451 14.4695 [  $-5*(x+1)/(5*x^2-1)$  ogf]  
A056451 18.7119  $-(1+10*x+5*x^2)/(x+1)/(5*x^2-1)$  lgdogf  
A056451 9.26955 [  $\{-a(n+2)+5*a(n), a(0) = 5, a(1) = 5\}$ , ogf]  
A056452 10.1450 [  $\{-a(n+2)+6*a(n), a(0) = 6, a(1) = 6\}$ , ogf]  
A056452 15.8361 [  $-6*(x+1)/(6*x^2-1)$  ogf]  
A056452 18.7087  $1/6*(-3+(9+6*x+6*x^2)^(1/2))/(x+1)$  revogfg  
A056452 20.5193  $-(1+12*x+6*x^2)/(x+1)/(6*x^2-1)$  lgdogf  
A056453 17.8030 [  $2*x^2/(x-1)/(2*x^2-1)$  ogf]  
A056453 24.8004  $-(-1-4*x+6*x^2)/(-1+x)/(2*x^2-1)$  lgdogf  
A056453 7.28305 [  $\{a(n+3)-a(n+2)-2*a(n+1)+2*a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A056454 13.2598 [  $-6*x^4/(x-1)/(3*x^2-1)/(2*x^2-1)$  ogf]  
A056454 14.1903  $-(1+10*x-15*x^2-24*x^3+30*x^4)/(x-1)/(3*x^2-1)/(-1+2*x^2)$  lgdogf  
A056455 8.71902  $-(-1-18*x+168*x^6-144*x^5-130*x^4+104*x^3+27*x^2)/(x-1)/(2*x+1)/(2*x-1)/(3*x^2-1)/(2*x^2-1)$  lgdogf  
A056455 9.58998 [  $24*x^6/(2*x-1)/(2*x+1)/(x-1)/(3*x^2-1)/(2*x^2-1)$  ogf]  
A056456 5.57021 [  $-120*x^8/(2*x-1)/(2*x+1)/(x-1)/(3*x^2-1)/(2*x^2-1)/(5*x^2-1)$  ogf]  
A056457 3.81235 [  $720*x^{10}/(2*x-1)/(2*x+1)/(x-1)/(6*x^2-1)/(3*x^2-1)/(2*x^2-1)/(5*x^2-1)$  ogf]  
A056468 5.50700 [  $-x*(136*x^4-272*x^3+84*x^2+52*x+1)/(2*x-1)^7$  ogf]  
A056468 9.36688  $-6*(11+132*x+4*x^2-272*x^3+136*x^4)/(-1+2*x)/(136*x^4-272*x^3+84*x^2+52*x+1)$  lgdogf  
A056469 13.5242 [  $-(x^2+3*x-2)/(2*x-1)/(x-1)$  ogf]  
A056469 16.7333  $-(3-10*x+9*x^2)/(x-1)/(-1+2*x)/(x^2+3*x-2)$  lgdogf  
A056469 7.02730 [  $\{a(n+3)-3*a(n+2)+2*a(n+1), a(0) = 2, a(1) = 3, a(2) = 4\}$ , ogf]  
A056470 5.28773 [  $-(19*x^6-24*x^4+9*x^2-1)/(x-1)/(3*x^2-1)/(2*x^2-1)/(5*x^2-1)$  ogf]  
A056471 4.18664 [  $-(91*x^8-135*x^6+68*x^4-14*x^2+1)/(2*x-1)/(2*x+1)/(x-1)/(6*x^2-1)/(3*x^2-1)/(2*x^2-1)$  ogf]  
A056473 5.79717  $-(-1-18*x+168*x^6-144*x^5-130*x^4+104*x^3+27*x^2)/(-1+x)/(2*x+1)/(2*x-1)/(-1+3*x^2)/(2*x^2-1)$  lgdogf  
A056473 6.91257 [  $x^6/(2*x-1)/(2*x+1)/(x-1)/(3*x^2-1)/(2*x^2-1)$  ogf]  
A056474 5.30398 [  $-x^8/(2*x-1)/(2*x+1)/(x-1)/(3*x^2-1)/(2*x^2-1)/(5*x^2-1)$  ogf]  
A056475 5.85122 [  $x^{10}/(2*x-1)/(2*x+1)/(x-1)/(6*x^2-1)/(3*x^2-1)/(2*x^2-1)/(5*x^2-1)$  ogf]  
A056486 11.9435 [  $\{a(n+2)-4*a(n), a(0) = 4, a(1) = 10\}$ , ogf]  
A056486 12.6768  $-1/2*\ln(9/2)+1/2*\ln(5/2+x+((x+4)*(x+1))^(1/2))$  revegfg  
A056486 14.5784  $-(5+16*x+20*x^2)/(5*x+2)/(1+2*x)/(2*x-1)$  lgdogf  
A056486 18.4840 [  $-2*(5*x+2)/(2*x-1)/(2*x+1)$  ogf]  
A056487 12.2384 [  $\{a(n+2)-5*a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A056487 14.2228  $1/2/(3+5*x)*(-1+((2*x+1)*(10*x+1))^(1/2))$  revogfg  
A056487 17.1510  $-(3+10*x+15*x^2)/(3*x+1)/(5*x^2-1)$  lgdogf  
A056487 19.1038 [  $-(3*x+1)/(5*x^2-1)$  ogf]  
A056488 12.2457  $1/3*(-3+3^(1/2))*((x+3)*(2*x+1))^(1/2)/(7+2*x)$  revogfg  
A056488 13.7186 [  $-3*(7*x+2)/(6*x^2-1)$  ogf]  
A056488 16.5678  $-(7+24*x+42*x^2)/(7*x+2)/(6*x^2-1)$  lgdogf  
A056488 8.86431 [  $\{a(n+2)-6*a(n), a(0) = 6, a(1) = 21\}$ , ogf]  
A056489 10.1921 [  $-3*x^3*(x+1)/(x-1)/(3*x^2-1)/(2*x^2-1)$  ogf]  
A056489 8.53448  $-2*(1+5*x+12*x^5+6*x^4-17*x^3-5*x^2)/(x-1)/(x+1)/(3*x^2-1)/(2*x^2-1)$  lgdogf  
A056490 5.80109  $-2*(-1-9*x+24*x^6-124*x^5+72*x^7-26*x^4+61*x^3+9*x^2)/(x-1)/(1+2*x)/(2*x-1)/(x+1)/(3*x^2-1)/(2*x^2-1)$  lgdogf  
A056490 7.73471 [  $12*x^5*(x+1)/(2*x-1)/(2*x+1)/(x-1)/(3*x^2-1)/(2*x^2-1)$  ogf]  
A056491 6.22707 [  $-60*x^7*(x+1)/(2*x-1)/(2*x+1)/(x-1)/(3*x^2-1)/(2*x^2-1)/(5*x^2-1)$  ogf]  
A056492 4.90247 [  $360*x^9*(x+1)/(2*x-1)/(2*x+1)/(x-1)/(6*x^2-1)/(3*x^2-1)/$

$(2*x^2-1)/(5*x^2-1)$  ogf]  
A056520 17.0368  $-(-2-2*x+x^3-5*x^2)/(x-1)/(x^3-4*x^2+2*x-1)$  lgdogf  
A056520 3.89341  $[{(145*n^2+839*n+1098)*a(n+1)+(-218*n^2-886*n-696)*a(n+2)+(73*n^2+263*n+132)*a(n+3)}, a(0) = 1, a(1) = 2, a(2) = 6]$ , ogf]  
A056520 9.70823  $[ -(x^3-4*x^2+2*x-1)/(x-1)^4$  ogf]  
A056527 11.1380  $[ (2*x^4+2*x^3+x^2+2*x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A056527 9.24237  $-(4+6*x+6*x^6+7*x^5+11*x^2+23*x^3+13*x^4+2*x^7)/(x-1)/(x+1)/(x^2+1)/(2*x^4+2*x^3+x^2+2*x+2)$  lgdogf  
A056530 11.6663  $-(3+11*x+5*x^5+15*x^3+13*x^4+25*x^2)/(x-1)/(x^2+x+1)/(5*x^3+4*x^2+2*x+1)$  lgdogf  
A056530 12.4099  $[ (5*x^3+4*x^2+2*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A056530 5.00750  $[{(12*n+35)*a(n+1)+12*a(n+2)+12*a(n+3)+(-12*n-23)*a(n+4)}, a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 13]$ , ogf]  
A056531 5.73227  $[ (9*x^12+2*x^11+6*x^10+4*x^9+8*x^8+4*x^7+2*x^6+6*x^5+6*x^4+6*x^3+4*x^2+2*x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A056541 3.84658  $[{(2*n+4)*a(n+1)+(-2*n-7)*a(n+2)+a(n+3)}, a(0) = 0, a(1) = 1, a(2) = 5]$ , ogf]  
A056542 4.16699  $[{(n+3)*a(n+1)+(-n-5)*a(n+2)+a(n+3)}, a(0) = 0, a(1) = 1, a(2) = 4]$ , ogf]  
A056545 29.8233  $-5+4*x+(1-4*x)*f(x)$  lgdegf  
A056545 4.24982  $[{(4*n+8)*a(n+1)+(-4*n-13)*a(n+2)+a(n+3)}, a(0) = 1, a(1) = 5, a(2) = 41]$ , ogf]  
A056546 26.8503  $-6+5*x+(1-5*x)*f(x)$  lgdegf  
A056546 3.80472  $[{(5*n+10)*a(n+1)+(-5*n-16)*a(n+2)+a(n+3)}, a(0) = 1, a(1) = 6, a(2) = 61]$ , ogf]  
A056547 28.3096  $-7+6*x+(1-6*x)*f(x)$  lgdegf  
A056547 4.00710  $[{(-6*n-12)*a(n+1)+(6*n+19)*a(n+2)-a(n+3)}, a(0) = 1, a(1) = 7, a(2) = 85]$ , ogf]  
A056570 8.64617  $-(1+10*x+2*x^5-18*x^2+8*x^3+9*x^4)/(x^2+2*x-1)/(x^2+4*x-1)/(x^2-x-1)$  lgdogf  
A056570 9.77430  $[ -x*(x^2+2*x-1)/(x^2+4*x-1)/(x^2-x-1)$  ogf]  
A056571 6.15086  $-(1+22*x+2*x^7-17*x^6+24*x^5+110*x^4+90*x^3-82*x^2)/(x-1)/(x+1)/(x^2+3*x+1)/(x^2-7*x+1)/(x^2-5*x+1)$  lgdogf  
A056571 6.79349  $[ -x*(x+1)*(x^2-5*x+1)/(x-1)/(x^2+3*x+1)/(x^2-7*x+1)$  ogf]  
A056572 5.44179  $[ -x*(x^4+7*x^3-16*x^2-7*x+1)/(x^2+x-1)/(x^2+11*x-1)/(x^2-4*x-1)$  ogf]  
A056573 3.98229  $[ -x*(x-1)*(x^4-11*x^3-64*x^2-11*x+1)/(x+1)/(x^2+7*x+1)/(x^2-3*x+1)/(x^2-18*x+1)$  ogf]  
A056578 14.4072  $-2*(5+24*x+x^3+18*x^2)/(x-1)/(2*x^3+15*x^2+6*x+1)$  lgdogf  
A056578 3.71282  $[{(-213*n^2-973*n-1094)*a(n+1)+(146*n^2-188*n-820)*a(n+2)+(67*n^2+321*n+360)*a(n+3)}, a(0) = 1, a(1) = 10, a(2) = 49]$ , ogf]  
A056578 9.23446  $[ (2*x^3+15*x^2+6*x+1)/(x-1)^4$  ogf]  
A056579 10.0466  $-3*(5+56*x+106*x^2+32*x^3+x^4)/(x-1)/(3*x^4+42*x^3+64*x^2+10*x+1)$  lgdogf  
A056579 6.80240  $[ -(3*x^4+42*x^3+64*x^2+10*x+1)/(x-1)^5$  ogf]  
A056589 7.19029  $-(x-2)*(8*x^6-3*x^5+19*x^3-12*x^2-3*x+2)/(-1+2*x)/(x+1)/(x^2-3*x+1)/(x^2-x+1)/(x^2+x-1)$  lgdogf  
A056589 7.51280  $[ (x^2-x+1)/(2*x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A056590 4.00838  $[ -(4*x^5+3*x^4+3*x^3-8*x^2+3*x-1)/(x+1)/(3*x-1)/(x^2-3*x+1)/(4*x^2+2*x-1)/(x^2+4*x-1)/(x^2-x-1)$  ogf]  
A056594 10.3847  $[{-a(n+2)-a(n)}, a(0) = 1, a(1) = 0]$ , ogf]  
A056594 22.5598  $[ 1/(x^2+1)$  ogf]  
A056594 25.7862  $-1/2*(-1+(-(-1+2*x)*(2*x+1))^(1/2))/x$  revogf  
A056594 26.1078  $[x^3-x]$  ogf\_with\_Euler\_transform]  
A056594 79.5076  $-2*x/(1+x^2)$  lgdogf  
A056640 10.6974  $[ (5*x^2+2*x+1)/(x+1)/(x-1)^4$  ogf]  
A056699 10.8502  $[ (2*x^4-2*x^3+x^2+2*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A056699 9.19758  $-(3+5*x+2*x^7-2*x^2+14*x^3+9*x^4+3*x^5-2*x^6)/(x-1)/(x+1)/(x^2+1)/(2*x^4-2*x^3+x^2+2*x+1)$  lgdogf  
A056771 12.2112  $[ -(17*x-1)/(x^2-34*x+1)$  ogf]

A056771 14.8115  $-(17-2*x+17*x^2)/(17*x-1)/(x^2-34*x+1)$  lgdogf  
A056771 6.83245  $[ \{a(n+2)-34*a(n+1)+a(n), a(0) = 1, a(1) = 17\}, ogf ]$   
A056810 3.18183  $[ -x*(10*x^2-1)/(10*x-1)/(x-1) ogf ]$   
A056811 10.7306  $(-1-21*x^20+4*x^5-5*x^4+44*x^45-45*x^44+20*x^21)/(x-1)/(x^45+x^21+x^5+1)$  lgdogf  
A056813 10.5726  $(-1+2*x^3-96*x^47+94*x^48+7*x^8-3*x^2-8*x^7-48*x^23+46*x^24)/(x-1)/(2*x^48+2*x^24+x^8+x^3+1)$  lgdogf  
A056813 14.7954  $[ -(2*x^48+2*x^24+x^8+x^3+1)/(x-1) ogf ]$   
A056822 19.0736  $[-x^9+x^7+x^4+x+1 ogf\_with\_Euler\_transform]$   
A056822 6.79187  $-(1+2*x+6*x^11-5*x^10-7*x^8+10*x^7-x^2+4*x^3+2*x^4+2*x^5+2*x^6+8*x^9)/(x-1)/(x+1)/(x^2+1)/(x^4-x^3+x^2-x+1)/(x^4+1)$  lgdogf  
A056822 7.69780  $[ -x^3*(x^4-x^3+x^2-x+1)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^3 ogf ]$   
A056827 20.6865  $[ [x^5-x^3+x+2] ogf\_with\_Euler\_transform ]$   
A056827 9.10496  $-2*(1+2*x+3*x^7+2*x^2+2*x^3+2*x^4+5*x^5+x^6)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A056827 9.98496  $[ -x^3*(x^2+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3 ogf ]$   
A056829 10.0372  $[ -x^2*(x^4+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3 ogf ]$   
A056829 20.7948  $[-x^7+x^5+x^3+2 ogf\_with\_Euler\_transform]$   
A056829 8.69110  $-2*(1+x+x^8+x^7+x^2+3*x^3+2*x^4+5*x^5+x^6+2*x^9)/(x-1)/(x+1)/(x^4+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A056830 12.0910  $[ x/(x-1)/(10*x-1)/(x+1) ogf ]$   
A056830 15.1201  $-2*(-5-x+15*x^2)/(x-1)/(10*x-1)/(x+1)$  lgdogf  
A056830 4.98489  $[ \{-a(n+3)+10*a(n+2)+a(n+1)-10*a(n), a(0) = 0, a(1) = 1, a(2) = 10\}, ogf ]$   
A056833 18.9486  $[ x^6-2*x^5+2*x^2+x+1 ogf\_with\_Euler\_transform ]$   
A056833 7.15880  $[ -x^2*(x+1)*(x^2-x+1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3 ogf ]$   
A056833 7.49731  $-(1+3*x+3*x^7+x^8+7*x^2+4*x^3+4*x^4+4*x^5+11*x^6+4*x^9)/(x-1)/(x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A056834 10.0814  $[ -x^3*(x+1)*(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3 ogf ]$   
A056834 20.8883  $[ x^6-x^5+x^2+2 ogf\_with\_Euler\_transform ]$   
A056834 7.35450  $-(2+2*x+2*x^7+2*x^8+5*x^2+4*x^3+4*x^4+4*x^5+11*x^6+6*x^9)/(x-1)/(x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A056837 5.49566  $[-x^5+x^3+x^2+x+1 ogf\_with\_Euler\_transform]$   
A056838 18.4577  $[ x^8-2*x^5+2*x^2+x+1 ogf\_with\_Euler\_transform ]$   
A056838 6.69071  $-(1+3*x+4*x^6+13*x^8+4*x^7+7*x^2+4*x^3+4*x^4+4*x^5+x^10+3*x^9+6*x^11)/(x-1)/(x+1)/(1+x+x^2)/(x^2-x+1)/(x^6+x^3+1)$  lgdogf  
A056838 6.84768  $[ -x^3*(x+1)*(x^2-x+1)^2/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3 ogf ]$   
A056854 17.4194  $[ -(7*x-2)/(x^2-7*x+1) ogf ]$   
A056854 22.6862  $-(7-4*x+7*x^2)/(7*x-2)/(x^2-7*x+1)$  lgdogf  
A056854 9.55941  $[ \{a(n+2)-7*a(n+1)+a(n), a(0) = 2, a(1) = 7\}, ogf ]$   
A056864 20.2153  $[-x^11+x^9+x^5+2 ogf\_with\_Euler\_transform]$   
A056864 9.64355  $[ -x^3*(x^2+1)*(x^4-x^2+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^3 ogf ]$   
A056865 5.77010  $-2*(1+x+x^2+3*x^3+2*x^4+2*x^5+2*x^6+2*x^7+x^10+x^12+4*x^13+2*x^8+7*x^9+x^11)/(-1+x)/(x+1)/(x^4+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
A056865 9.59279  $[ -x^4*(x^4+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^3 ogf ]$   
A056914 13.1146  $[ (4*x+1)/(x^2-7*x+1) ogf ]$   
A056914 13.7661  $-1/2*(-1-7*x+(1+30*x+45*x^2)^(1/2))/(-4+x)$  revogf  
A056914 16.0604  $-(-11+2*x+4*x^2)/(4*x+1)/(x^2-7*x+1)$  lgdogf  
A056914 7.11035  $[ \{-a(n+2)+7*a(n+1)-a(n), a(0) = 1, a(1) = 11\}, ogf ]$   
A056918 12.6938  $[ -(9*x-2)/(x^2-9*x+1) ogf ]$   
A056918 15.5401  $-1/2*(-2-9*x+(4+77*x^2)^(1/2))/(9+x)$  revogf  
A056918 16.4542  $-(9-4*x+9*x^2)/(9*x-2)/(x^2-9*x+1)$  lgdogf  
A056918 6.96611  $[ \{a(n+2)-9*a(n+1)+a(n), a(0) = 2, a(1) = 9\}, ogf ]$   
A056932 11.5006  $-(20+136*x+201*x^2+70*x^3+5*x^4)/(x-1)/(x^4+11*x^3+24*x^2+11*x+1)$  lgdogf  
A056932 5.59566  $[ -(x^4+11*x^3+24*x^2+11*x+1)/(x-1)^9 ogf ]$

A056965 6.13227 [  $9x^{10}(9x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A056967 6.21340 [  $x^{11}(9x^8+8x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(10x^{10}-1)$  ogf ]  
A056970 15.8353 [  $-(x^{10}+x^4+x)/(x^4-x^3+x^2-x+1)$  ogf\_with\_Euler\_transform ]  
A056986 3.66463 [  $\{(-4n^3-34n^2-96n-90)a(n+1)+(n^3+14n^2+51n+50)a(n+2)+(-n^2-6n-5)a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf ]  
A056991 10.3834 [  $-(4+10x+4x^6+11x^5+13x^2+13x^3+17x^4)/(x-1)/(2x+1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf ]  
A056991 12.4294 [  $(2x+1)(x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A056992 8.14913 [  $-(9x^8+x^7+4x^6+9x^5+7x^4+7x^3+9x^2+4x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf ]  
A057009 10.2359 [  $-(7+72x+288x^3-252x^2)/(6x-1)/(3x-1)/(2x-1)/(4x-1)$  lgdogf ]  
A057009 13.2139 [  $(4x-1)/(6x-1)/(3x-1)/(2x-1)$  ogf ]  
A057009 6.37910 [  $\{a(n+3)-11a(n+2)+36a(n+1)-36a(n), a(0) = 1, a(1) = 7, a(2) = 41\}$ , ogf ]  
A057010 4.42240 [  $\{a(n+3)-38a(n+2)+384a(n+1)-1152a(n), a(0) = 1, a(1) = 26, a(2) = 604\}$ , ogf ]  
A057010 7.82119 [  $-2(-13+384x-4032x^2+13824x^3)/(6x-1)/(8x-1)/(12x-1)/(24x-1)$  lgdogf ]  
A057010 8.91850 [  $(12x-1)/(6x-1)/(8x-1)/(24x-1)$  ogf ]  
A057029 8.82467 [  $-(x^4+5x^3+4x^2+5x+1)/(x+1)^2/(x-1)^3$  ogf ]  
A057029 9.50436 [  $-(6+18x+21x^3+39x^2+11x^4+x^5)/(x-1)/(x+1)/(x^4+5x^3+4x^2+5x+1)$  lgdogf ]  
A057076 11.8075 [  $-(11x-2)/(x^2-11x+1)$  ogf ]  
A057076 14.2997 [  $-(11-4x+11x^2)/(11x-2)/(x^2-11x+1)$  lgdogf ]  
A057076 6.60656 [  $\{a(n+2)-11a(n+1)+a(n), a(0) = 2, a(1) = 11\}$ , ogf ]  
A057077 15.3334 [  $(x+1)/(x^2+1)$  ogf ]  
A057077 21.6074 [  $[x^3-2x+1]$  ogf\_with\_Euler\_transform ]  
A057077 28.3527 [  $-(-1+2x+x^2)/(x+1)/(1+x^2)$  lgdogf ]  
A057077 9.82297 [  $\{a(n+2)+a(n), a(0) = 1, a(1) = 1\}$ , ogf ]  
A057078 15.2994 [  $(x+1)/(x^2+x+1)$  ogf ]  
A057078 22.3919 [  $-1/2(-1+x+(-1+3x)(-1+x))^{(1/2)}/(-1+x)$  revogf ]  
A057078 27.4705 [  $[x^2-x]$  ogf\_with\_Euler\_transform ]  
A057078 39.1858 [  $-x(x+2)/(x+1)/(x^2+x+1)$  lgdogf ]  
A057078 8.49964 [  $\{-a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 0\}$ , ogf ]  
A057079 10.0423 [  $\{-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 2\}$ , ogf ]  
A057079 18.2992 [  $(x+1)/(x^2-x+1)$  ogf ]  
A057079 24.8915 [  $x^5-x^2-2x+2$  ogf\_with\_Euler\_transform ]  
A057079 25.8451 [  $-1/2(-1-x+(-3x^2+6x+1)^{(1/2)})/(-1+x)$  revogf ]  
A057079 34.7572 [  $-(-2+2x+x^2)/(x+1)/(x^2-x+1)$  lgdogf ]  
A057080 13.6472 [  $(x+1)/(x^2-8x+1)$  ogf ]  
A057080 14.3367 [  $-1/2(-1-8x+(20x+60x^2+1)^{(1/2)})/(-1+x)$  revogf ]  
A057080 19.4239 [  $-(-9+2x+x^2)/(1+x)/(x^2-8x+1)$  lgdogf ]  
A057080 7.48933 [  $\{-a(n+2)+8a(n+1)-a(n), a(0) = 1, a(1) = 9\}$ , ogf ]  
A057081 12.7592 [  $(x+1)/(x^2-9x+1)$  ogf ]  
A057081 13.3902 [  $-1/2(-9x-1+(77x^2+22x+1)^{(1/2)})/(-1+x)$  revogf ]  
A057081 17.5746 [  $-(-10+2x+x^2)/(x+1)/(x^2-9x+1)$  lgdogf ]  
A057081 6.91766 [  $\{-a(n+2)+9a(n+1)-a(n), a(0) = 1, a(1) = 10\}$ , ogf ]  
A057083 19.5465 [  $1/(3x^2-3x+1)$  ogf ]  
A057083 29.4147 [  $-3(2x-1)/(3x^2+1-3x)$  lgdogf ]  
A057083 7.86627 [  $\{-a(n+2)+3a(n+1)-3a(n), a(0) = 1, a(1) = 3\}$ , ogf ]  
A057084 14.8998 [  $-1/16(-1-8x+(16x+32x^2+1)^{(1/2)})/x$  revogf ]  
A057084 17.5205 [  $1/(8x^2-8x+1)$  ogf ]  
A057084 23.5914 [  $-8(2x-1)/(8x^2+1-8x)$  lgdogf ]  
A057084 7.05093 [  $\{-a(n+2)+8a(n+1)-8a(n), a(0) = 1, a(1) = 8\}$ , ogf ]  
A057085 13.7342 [  $-1/18(-9x-1+(1+15x)^{(1/2)}(1+3x)^{(1/2)})/x$  revogf ]  
A057085 21.0753 [  $x/(9x^2-9x+1)$  ogf ]  
A057085 25.7516 [  $-9(2x-1)/(9x^2+1-9x)$  lgdogf ]  
A057085 8.58622 [  $\{a(n+2)-9a(n+1)+9a(n), a(0) = 0, a(1) = 1\}$ , ogf ]

A057086 14.4202  $-1/20*(-10*x-1+(20*x+60*x^2+1)^(1/2))/x$  revogf  
A057086 20.5288  $[1/(10*x^2-10*x+1)$  ogf]  
A057086 20.8292  $-10*(2*x-1)/(10*x^2+1-10*x)$  lgdogf  
A057086 8.45302  $[{-a(n+2)+10*a(n+1)-10*a(n), a(0) = 1, a(1) = 10},$  ogf]  
A057087 16.6916  $1/8/x*(-4*x-1+(32*x^2+8*x+1)^(1/2))$  revogf  
A057087 18.0779  $[ -1/(4*x^2+4*x-1)$  ogf]  
A057087 24.3419  $-4*(2*x+1)/(4*x^2-1+4*x)$  lgdogf  
A057087 7.27526  $[{-a(n+2)+4*a(n+1)+4*a(n), a(0) = 1, a(1) = 4},$  ogf]  
A057088 15.7163  $1/10/x*(-1-5*x+(1+10*x+45*x^2)^(1/2))$  revogf  
A057088 24.0761  $[ -1/(5*x^2+5*x-1)$  ogf]  
A057088 24.2293  $-5*(2*x+1)/(5*x^2-1+5*x)$  lgdogf  
A057088 9.68917  $[{-a(n+2)+5*a(n+1)+5*a(n), a(0) = 1, a(1) = 5},$  ogf]  
A057089 15.1406  $1/12/x*(-1-6*x+(1+12*x+60*x^2)^(1/2))$  revogf  
A057089 17.3389  $[ -1/(6*x^2+6*x-1)$  ogf]  
A057089 23.3417  $-6*(2*x+1)/(6*x^2-1+6*x)$  lgdogf  
A057089 6.97785  $[{-a(n+2)+6*a(n+1)+6*a(n), a(0) = 1, a(1) = 6},$  ogf]  
A057090 16.1122  $1/14/x*(-1-7*x+(1+14*x+77*x^2)^(1/2))$  revogf  
A057090 20.4813  $[ -1/(7*x^2+7*x-1)$  ogf]  
A057090 24.8396  $-7*(2*x+1)/(7*x^2-1+7*x)$  lgdogf  
A057090 8.24248  $[{-a(n+2)+7*a(n+1)+7*a(n), a(0) = 1, a(1) = 7},$  ogf]  
A057091 15.1201  $1/16/x*(-1-8*x+(16*x+96*x^2+1)^(1/2))$  revogf  
A057091 21.4962  $[ -1/(8*x^2+8*x-1)$  ogf]  
A057091 23.3102  $-8*(2*x+1)/(8*x^2-1+8*x)$  lgdogf  
A057091 8.65089  $[{-a(n+2)+8*a(n+1)+8*a(n), a(0) = 1, a(1) = 8},$  ogf]  
A057092 14.7222  $1/18/x*(-9*x-1+(117*x^2+18*x+1)^(1/2))$  revogf  
A057092 21.6807  $[ -1/(9*x^2+9*x-1)$  ogf]  
A057092 23.3102  $-9*(2*x+1)/(9*x^2-1+9*x)$  lgdogf  
A057092 8.72515  $[{-a(n+2)+9*a(n+1)+9*a(n), a(0) = 1, a(1) = 9},$  ogf]  
A057093 17.5903  $1/20/x*(-10*x-1+(140*x^2+20*x+1)^(1/2))$  revogf  
A057093 19.9430  $[ -1/(10*x^2+10*x-1)$  ogf]  
A057093 25.4082  $-10*(2*x+1)/(10*x^2-1+10*x)$  lgdogf  
A057093 8.21182  $[{-a(n+2)+10*a(n+1)+10*a(n), a(0) = 1, a(1) = 10},$  ogf]  
A057174 15.5480  $[ -(4*x^2+3*x+1)/(x-1)/(x+1)^2$  ogf]  
A057174 23.7249  $-2*(1+4*x+x^2+2*x^3)/(x-1)/(x+1)/(4*x^2+3*x+1)$  lgdogf  
A057174 8.46812  $[{-a(n+3)-a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 3},$  ogf]  
A057198 14.9873  $[ -(4*x-3)/(3*x-1)/(x-1)$  ogf]  
A057198 17.4051  $-(3-8*x+7*x^2)/(x-1)/(3*x-1)/(x^2+x-1)$  lgdogf  
A057198 8.22472  $[{a(n+2)-4*a(n+1)+3*a(n), a(0) = 3, a(1) = 8},$  ogf]  
A057310 5.93444  $[ -(x^4-x^3+3*x^2-x+1)*(x+1)^3/(x^2+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A057310 7.51340  $-(4+2*x+4*x^5+38*x^4+4*x^3+4*x^8+25*x^6+25*x^2+2*x^7)/(x-1)/(1+x)/(x^2+1)/(x^2+x+1)/(x^4-x^3+3*x^2-x+1)$  lgdogf  
A057347 6.24132  $[ (x+1)*(x^10+2*x^9+3*x^7+2*x^5+x^4+2*x^3+x^2+x+2)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A057349 9.19420  $[ (2*x^6+3*x^5+3*x^4+3*x^3+2*x^2+3*x+3)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A057353 12.8092  $[ x^2*(x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A057353 14.1170  $-(2+4*x+3*x^5+5*x^4+7*x^3+3*x^2)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A057353 30.3791  $[x^3-x^2+2$  ogf\_with\_Euler\_transform]  
A057354 13.0953  $-(1+3*x+x^5+7*x^4+2*x^3+4*x^6+2*x^2)/(x-1)/(x^2+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A057354 14.6693  $[ x^3*(x^2+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A057354 27.0342  $[x^4-x^3+x+1$  ogf\_with\_Euler\_transform]  
A057355 10.9754  $-(1+3*x+2*x^5+8*x^4+3*x^3+5*x^6+3*x^7+5*x^2)/(x-1)/(x^3+x^2+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A057355 12.8498  $[ x^2*(x^3+x^2+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A057356 14.6547  $[ x^4*(x+1)*(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A057356 24.0910  $[x^6-x^5+x^2+1$  ogf\_with\_Euler\_transform]  
A057356 9.12178  $-(1+x+2*x^5+2*x^4+2*x^3+9*x^6+x^7+x^8+4*x^2+5*x^9)/(x-1)/(x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf



A057357 13.0314 [  $x^3(x^2+x+1)(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A057357 27.1655 [ $x^6-x^5+x+1$  ogf\_with\_Euler\_transform]  
A057357 7.84934  $-(1+3x+2x^7+7x^8+x^9+3x^5+10x^6+6x^3+3x^4+2x^2+4x^{10})/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A057358 11.6628 [  $x^2(x^5+x^4+x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A057358 7.47397  $-(1+3x+3x^7+8x^8+2x^9+3x^{11}+4x^5+11x^6+6x^3+8x^4+2x^2+5x^{10})/(x-1)/(x^5+x^4+x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A057359 10.3981 [  $x^2(x^5+x^4+x^3+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A057359 7.17421  $-(2+5x^{10}+2x+3x^{11}+5x^5+9x^4+7x^3+12x^6+10x^7+3x^8+5x^2+7x^9)/(x-1)/(x^5+x^4+x^3+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A057360 13.0701 [  $x^3(x^5+x^3+1)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf]  
A057360 7.87265  $-(1+x+11x^7+2x^8+2x^9+x^{11}+4x^{12}+3x^5+3x^6+2x^3+7x^4+4x^2+7x^{10})/(x-1)/(x+1)/(x^2+1)/(x^5+x^3+1)/(x^4+1)$  lgdogf  
A057361 10.4817 [  $x^2(x^6+x^5+x^3+x^2+1)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf]  
A057362 10.0054 [  $x^3(x^{10}+x^8+x^5+x^3+1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A057363 7.77753 [  $x^2(x+1)(x^2-x+1)(x^8+x^7+x^2+1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A057364 7.77447 [  $x^3(x+1)(x^4-x^3+x^2-x+1)(x^{13}+x^{11}+x^3+1)/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{12}-x^{11}+x^9-x^8+x^6-x^4+x^3-x+1)/(x-1)^2$  ogf]  
A057427 109.850  $1/(x+1)x$  revogf  
A057427 123.581  $-1/(x-1)$  lgdogf  
A057427 13.8963 [ $\{-a(n+2)+a(n+1), a(0) = 0, a(1) = 1\}$ , ogf]  
A057427 34.0221 [ $-x/(x-1)$  ogf]  
A057428 10.6090 [ $\{a(n+2)-a(n+1), a(0) = 0, a(1) = -1\}$ , ogf]  
A057428 138.463  $-1/(x-1)$  lgdogf  
A057428 138.463  $x/(-1+x)$  revogf  
A057428 25.9738 [  $x/(x-1)$  ogf]  
A057446 13.0755 [  $-(101x^3+31x^2+19x+73)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A057446 8.54088  $-(19+62x+303x^2+292x^3+57x^4+62x^5+101x^6)/(x-1)/(x+1)/(x^2+1)/(101x^3+31x^2+19x+73)$  lgdogf  
A057524 11.0656 [  $-1/(x^2+x+1)/(x+1)/(x-1)^5$  ogf]  
A057524 17.4065  $-(3+8x+8x^3+11x^2)/(x-1)/(1+x)/(x^2+x+1)$  lgdogf  
A057524 30.3499 [ $x^2+x+3$  ogf\_with\_Euler\_transform]  
A057538 10.6017 [  $(x^4+10x^3+8x^2+10x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A057538 8.64740  $-(11+27x+35x^5+59x^4+37x^3+21x^6+49x^2+x^7)/(x-1)/(1+x)/(x^2+1)/(x^4+10x^3+8x^2+10x+1)$  lgdogf  
A057539 6.91134 [  $(x^8+28x^7+12x^6+30x^5+68x^4+30x^3+12x^2+28x+1)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf]  
A057543 3.77349 [  $-(3x^5-4x^4-x^2+x-1)/(x-1)^2$  ogf]  
A057544 4.18988 [  $-(2x^4-2x^3-x^2+x-1)/(x-1)^2$  ogf]  
A057544 5.19806  $(1+x+4x^4-10x^3+6x^2)/(-1+x)/(2x^4-2x^3-x^2+x-1)$  lgdogf  
A057552 3.60179 [ $\{(-4n^2-30n-56)a(n+1)+(5n^2+38n+71)a(n+2)+(-n^2-8n-15)a(n+3), a(0) = 1, a(1) = 5, a(2) = 20\}$ , ogf]  
A057566 13.7015  $-2(x^2+4x+1)(2x^2+x+1)/(x-1)/(x+1)/(2x^3+4x^2-x+1)$  lgdogf  
A057566 8.74796 [  $x(2x^3+4x^2-x+1)/(x+1)/(x-1)^4$  ogf]  
A057569 16.3284  $-3(1+5x+2x^2+2x^3)/(x-1)/(x+1)/(2x^2+x+2)$  lgdogf  
A057569 9.41783 [  $-x(2x^2+x+2)/(x+1)^2/(x-1)^3$  ogf]  
A057570 16.5171  $-(4+22x+7x^2+9x^3)/(x-1)/(x+1)/(3x^2+x+3)$  lgdogf  
A057570 9.31956 [  $-x(3x^2+x+3)/(x+1)^2/(x-1)^3$  ogf]  
A057587 13.2958  $-(3+7x+14x^2-4x^3+4x^4)/(x-1)/(x+1)/(x^3-x^2+2x+1)$  lgdogf  
A057587 7.74657 [  $x(x^3-x^2+2x+1)/(x+1)^3/(x-1)^4$  ogf]  
A057590 10.1314  $-(7+11x+5x^5+37x^4-4x^3+64x^2)/(x-1)/(x+1)/(x^4+6x^3-2x^2+6x+1)$  lgdogf  
A057590 6.32698 [  $-x(x^4+6x^3-2x^2+6x+1)/(x+1)^4/(x-1)^5$  ogf]  
A057592 6.77148  $-(5-14x-14x^7+4x^8+16x^5+3x^6+34x^3+10x^4-10x^2)/(x+1)/(x^2-3x+1)/(x^2+x-1)/(4x^4-7x^3-8x^2+2x+1)$  lgdogf  
A057592 8.15557 [  $-(4x^4-7x^3-8x^2+2x+1)/(x+1)/(x^2-3x+1)/(x^2+x-1)$  ogf]

A057597 20.9058 [  $-x^2/(x^3-x^2-x-1)$  ogf]  
A057597 32.6749  $-(3*x+1)*(x-1)/(-x^2-1-x+x^3)$  lgdogf  
A057597 7.79217 [  $\{a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A057614 7.52233 [ -  
 $(51*x^{10}+102*x^9+204*x^8+408*x^7+37*x^6+259*x^5+518*x^4+47*x^3+94*x^2+188*x+17)/$   
 $(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A057651 16.6671 [  $(x+1)/(5*x-1)/(x-1)$  ogf]  
A057651 17.1467  $-1/2*(-1-6*x+(1+16*x+16*x^2)^{(1/2)})/(5*x-1)$  revogf  
A057651 20.4808  $-(-7+10*x+5*x^2)/(x-1)/(5*x-1)/(x+1)$  lgdogf  
A057651 9.14659 [  $\{-a(n+2)+6*a(n+1)-5*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A057655 11.0928 [  $-(x^3+3*x^2-x+5)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A057656 20.9031 [  $-(3+x)/(-x-1)$  ogf\_with\_Euler\_transform]  
A057658 3.33578 [  $\{(-n^2-11*n-30)*a(n+1)+(2*n^2+16*n+54)*a(n+2)+(-n^2-5*n-6)*a(n+3), a(0) = 0, a(1) = 8640, a(2) = 172800\}$ , ogf]  
A057658 9.35590  $-2*(10+65*x+95*x^2+37*x^3+3*x^4)/(x-1)/(x^4+10*x^3+20*x^2+10*x+1)$  lgdogf  
A057666 15.8382  $-3*(15+33*x+8*x^2)/(x-1)/(4*x^2+13*x+4)$  lgdogf  
A057666 5.35981 [  $240*x*(4*x^2+13*x+4)/(x-1)^8$  ogf]  
A057675 11.1774  $-(7+62*x+2*x^4-8*x^3+57*x^2)/(x-1)/(2*x^4-8*x^3+27*x^2+2*x+1)$  lgdogf  
A057675 7.24797 [  $-(2*x^4-8*x^3+27*x^2+2*x+1)/(x-1)^5$  ogf]  
A057681 13.8248 [  $(x-1)^2/(3*x^2-3*x+1)$  ogf]  
A057681 29.4442  $(3*x-1)/(x-1)/(3*x^2-3*x+1)$  lgdogf  
A057681 7.18345 [  $\{a(n+3)-3*a(n+2)+3*a(n+1), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
A057682 14.6542 [  $-x*(x-1)/(3*x^2-3*x+1)$  ogf]  
A057682 17.4223  $-1/2*(-1-3*x+(-1+3*x)*(-1+x))^{(1/2)}/(1+3*x)$  revogf  
A057682 23.0589  $-(2-6*x+3*x^2)/(x-1)/(3*x^2-3*x+1)$  lgdogf  
A057682 7.10949 [  $\{a(n+3)-3*a(n+2)+3*a(n+1), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A057688 5.09769 [   
 $(3*x^{15}+17*x^{14}+33*x^{13}-2*x^{12}-4*x^{11}-8*x^{10}+49*x^9-3*x^8+5*x^7+10*x^6+2*x^5-7*x^4-61*x^3-13*x^2-26*x-5)/(x-1)/(x^2+x+1)$  ogf]  
A057693 28.7124  $(x^2+2)*(1+x)^2/(x^2+x+1)$  lgdegf  
A057693 4.24817 [  $\{(n^2+5*n+6)*a(n+1)+(n+3)*a(n+2)-a(n+4)+a(n+3), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6\}$ , ogf]  
A057703 13.7200  $-(3-7*x+2*x^4-2*x^3+10*x^2)/(x-1)/(x^4-2*x^3+4*x^2-3*x+1)$  lgdogf  
A057703 7.34360 [  $x*(x^4-2*x^3+4*x^2-3*x+1)/(x-1)^6$  ogf]  
A057711 12.3503 [  $x*(2*x^2-2*x+1)/(2*x-1)^2$  ogf]  
A057711 28.9027  $-2/(2*x-1)/(2*x^2-2*x+1)$  lgdogf  
A057711 6.22981 [  $\{a(n+4)-4*a(n+3)+4*a(n+2), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6\}$ , ogf]  
A057717 12.8306 [  $-x*(x^9-x^8+x-2)/(x-1)^2$  ogf]  
A057717 18.9573  $(3-x+7*x^9-15*x^8+8*x^7)/(x-1)/(x^9-x^8+x-2)$  lgdogf  
A057721 11.5747  $-(5+28*x+54*x^2+28*x^3+5*x^4)/(x-1)/(5*x^4+4*x^3+14*x^2+1)$  lgdogf  
A057721 7.44909 [  $-(5*x^4+4*x^3+14*x^2+1)/(x-1)^5$  ogf]  
A057722 11.8342  $-(1-16*x+x^4-16*x^3-90*x^2)/(x-1)/(x^4-10*x^3-20*x^2+6*x-1)$  lgdogf  
A057722 7.30720 [  $(x^4-10*x^3-20*x^2+6*x-1)/(x-1)^5$  ogf]  
A057744 12.8819 [  $-(2*x^3-1)/(2*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A057744 14.4056  $-(2+4*x^6-3*x^2)/(x-1)/(2*x-1)/(2*x^3-1)/(x^2+x+1)$  lgdogf  
A057744 5.92151 [  $\{a(n+4)-2*a(n+3)-a(n+1)+2*a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7\}$ , ogf]  
A057769 14.0998  $-(-7-196*x-258*x^2-20*x^3+x^4)/(x-1)/(x^4-12*x^3-74*x^2-12*x+1)$  lgdogf  
A057769 9.17468 [  $(x^4-12*x^3-74*x^2-12*x+1)/(x-1)^5$  ogf]  
A057780 10.0085 [  $-3*x*(x^2+4*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A057780 18.3882  $-(x+5)*(3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+4*x+1)$  lgdogf  
A057781 11.5040  $-5*(1+2*x+x^4+2*x^3+18*x^2)/(x-1)/(5*x^4-5*x^3+35*x^2-15*x+4)$  lgdogf  
A057781 7.37991 [  $-(5*x^4-5*x^3+35*x^2-15*x+4)/(x-1)^5$  ogf]  
A057788 34.4383  $-(13+11*x)/(x-1)/(x+1)$  lgdogf

A057788 34.6852 [[13-x] ogf\_with\_Euler\_transform]  
A057788 5.28159 [(x+1)/(x-1)^12 ogf]  
A057788 5.58777 [{(-n-3)\*a(n+3)+13\*a(n+2)+(12+n)\*a(n+1), a(0) = 1, a(1) = 13, a(2) = 90}, ogf]  
A057813 10.6834 [(x+1)\*(x^2+6\*x+1)/(x-1)^4 ogf]  
A057813 17.9525 -(11+35\*x+17\*x^2+x^3)/(x-1)/(x+1)/(x^2+6\*x+1) lgdogf  
A057813 4.57011 [{(-2\*n^2-7\*n-6)\*a(n+1)+(4\*n^2+20\*n+57)\*a(n+2)+(-2\*n^2-13\*n-21)\*a(n+3), a(0) = 1, a(1) = 11, a(2) = 45}, ogf]  
A057814 10.6075 -a(n+1)+(n+2)\*a(n+2), a(0)=0, a(1)=0, a(2)=0, a(3)=0, a(4)=1/24 lgdegf  
A057816 5.16719 [(8\*x^17+24\*x^16-2\*x^15-6\*x^14-2\*x^13-6\*x^12+40\*x^11-4\*x^10-12\*x^9+88\*x^8-8\*x^7-24\*x^6-6\*x^5-18\*x^4+152\*x^3-14\*x^2-171\*x-43)/(x-1)/(x+1) ogf]  
A057819 14.4778 [-(7\*x-4)/(x^2-4\*x+1) ogf]  
A057819 18.7879 -(9-8\*x+7\*x^2)/(7\*x-4)/(x^2-4\*x+1) lgdogf  
A057819 19.3572 -(-2-2\*x+(4+x+3\*x^2)^(1/2))/(x+7) revogf  
A057819 7.94512 [{a(n+2)-4\*a(n+1)+a(n), a(0) = 4, a(1) = 9}, ogf]  
A057837 12.2326 -a(n+1)+(n+2)\*a(n+2), a(0)=0, a(1)=0, a(2)=0, a(3)=1/6 lgdegf  
A057886 11.6160 -(1+3\*x+6\*x^6-6\*x^5+3\*x^2+5\*x^3+4\*x^4)/(x-1)/(x+1)/(x^2+1)/(x^3-x^2+1) lgdogf  
A057886 8.09055 [x^3\*(x^3-x^2+1)/(x^2+1)/(x+1)^3/(x-1)^4 ogf]  
A057947 12.9655 [-(84\*x^7-84\*x^6+9\*x-10)/(x-1)^2 ogf]  
A057947 13.3428 (11-9\*x+504\*x^5-924\*x^6+420\*x^7)/(x-1)/(84\*x^7-84\*x^6+9\*x-10) lgdogf  
A057960 11.0646 -(2-2\*x-3\*x^2+4\*x^3+2\*x^4)/(x-1)/(2\*x^2+2\*x-1)/(x^2+x-1) lgdogf  
A057960 11.9396 [-(x^2+x-1)/(x-1)/(2\*x^2+2\*x-1) ogf]  
A057960 6.73193 [{a(n+3)-3\*a(n+2)+2\*a(n), a(0) = 1, a(1) = 2, a(2) = 5}, ogf]  
A057979 15.7470 [(x^3-x^2+1)/(x-1)^2/(x+1)^2 ogf]  
A057979 21.5251 -x\*(2+x^3-2\*x^2+3\*x)/(x-1)/(1+x)/(x^3-x^2+1) lgdogf  
A058001 3.97626 [(12\*x^7+369\*x^6+2514\*x^5+4375\*x^4+2360\*x^3+423\*x^2+26\*x+1)/(x-1)^10 ogf]  
A058001 5.79909 -12\*(3+90\*x+130\*x^6+1232\*x^5+3\*x^7+3235\*x^4+2835\*x^3+872\*x^2)/(x-1)/(12\*x^7+369\*x^6+2514\*x^5+4375\*x^4+2360\*x^3+423\*x^2+26\*x+1) lgdogf  
A058006 4.90383 [{(n+3)\*a(n+1)+(-n-2)\*a(n+2)-a(n+3), a(0) = 1, a(1) = 0, a(2) = 2}, ogf]  
A058031 12.6965 -(1+12\*x+54\*x^2+44\*x^3+9\*x^4)/(x-1)/(9\*x^4+4\*x^3+14\*x^2-4\*x+1) lgdogf  
A058031 8.35025 [-(9\*x^4+4\*x^3+14\*x^2-4\*x+1)/(x-1)^5 ogf]  
A058034 7.44842 -(3+18\*x+58\*x^4+58\*x^3+3\*x^8+18\*x^7+36\*x^6+58\*x^5+36\*x^2)/(x-1)/(x+1)/(x^2+1)/(3\*x^5+6\*x^4+6\*x^3+7\*x^2+x+1) lgdogf  
A058034 8.04339 [-(3\*x^5+6\*x^4+6\*x^3+7\*x^2+x+1)/(x+1)/(x^2+1)/(x-1)^3 ogf]  
A058035 5.63867 [(64\*x^33-122\*x^32+64\*x^31+24\*x^17-47\*x^16+24\*x^15-3)/(6\*x^32+x^16-3)/(x-1)^2 ogf]  
A058038 15.3178 [-3\*x/(x-1)/(x^2-7\*x+1) ogf]  
A058038 20.6069 -(8-16\*x+3\*x^2)/(x-1)/(x^2-7\*x+1) lgdogf  
A058038 6.15448 [{a(n+3)-8\*a(n+2)+8\*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 24}, ogf]  
A058053 3.97122 [-(x^8-x^7+x^6+x^4+x^2-x+1)/(x^2+1)/(x^2-x+1)/(x^2+x+1)^3/(x+1)^3/(x-1)^7 ogf]  
A058094 7.19378 [-(3\*x^5+x^4-5\*x^3+7\*x^2-5\*x+1)/(x^6-4\*x^5-4\*x^4+9\*x^3-11\*x^2+6\*x-1) ogf]  
A058095 19.1730 [-(-4\*x-4)/(x^3-1) ogf\_with\_Euler\_transform]  
A058183 17.1551 (-2-9\*x^8+7\*x^9)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1) lgdogf  
A058183 17.8485 [(x+1)\*(x^2-x+1)\*(x^6-x^3+1)/(x-1)^2 ogf]  
A058183 29.0482 [-x^17+x^8+2 ogf\_with\_Euler\_transform]  
A058183 4.67688 [{a(n+3)-2\*a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4, a(4) = 5, a(5) = 6, a(6) = 7, a(7) = 8, a(8) = 9, a(9) = 11}, ogf]  
A058184 12.1590 [x^2\*(2\*x-1)/(x^4+x^2-2\*x+1) ogf]  
A058184 17.3107 -2\*x\*(-1+3\*x^3-2\*x^2+x)/(2\*x-1)/(x^4+x^2-2\*x+1) lgdogf  
A058187 11.4207 [1/(x+1)^3/(x-1)^4 ogf]  
A058187 39.5055 [[1+3\*x] ogf\_with\_Euler\_transform]

A058187 40.8953  $-(1+7*x)/(x-1)/(x+1)$  lgdogf  
A058187 6.22173  $[{(n+3)*a(n+3)-a(n+2)+(-8-n)*a(n+1), a(0) = 1, a(1) = 1, a(2) = 4},$  ogf]  
A058195 11.7617  $[ -(3*x+1)/(x+1)/(x-1)^5$  ogf]  
A058195 19.5592  $-(7+18*x+15*x^2)/(x-1)/(3*x+1)/(x+1)$  lgdogf  
A058195 4.05777  $[{(-n-4)*a(n+4)+(-2-3*n)*a(n+3)+(20+n)*a(n+2)+(18+3*n)*a(n+1),$   
 $a(0) = 1, a(1) = 7, a(2) = 23, a(3) = 57},$  ogf]  
A058200 13.3638  $1/862+24/431*x-1/2586*(9-860*x+20736*x^2)^{(1/2)}$  revogf  
A058200 15.2060  $[ 9*(-1+431*x)/(432*x-1)$  ogf]  
A058200 29.9093  $1/(432*x-1)/(431*x-1)$  lgdogf  
A058200 8.63045  $[{a(n+2)-432*a(n+1), a(0) = 9, a(1) = 9},$  ogf]  
A058207 10.9672  $-2*(-1-2*x+2*x^7+x^8-2*x^5-x^6+x^3-3*x^4)/(x-1)/(x^4+x^3+x^2+x$   
 $+1)/(x^4+x^3-x^2-x-1)$  lgdogf  
A058207 11.4017  $[ -x*(x^4+x^3-x^2-x-1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A058212 12.6128  $-x^2*(x^4+3-2*x+5*x^2+2*x^3)/(x-1)/(x^2+x+1)/(x^4+x^2-2*x+1)$   
lgdogf  
A058212 8.99784  $[ -(x^4+x^2-2*x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A058224 8.59223  $[ -(x^5-x^4-x^2+x-1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A058224 9.34665  $-(-1+x+3*x^3+x^9-x^8-x^7-x^6+2*x^5-4*x^4-5*x^2)/(x-1)/(x^2+x+1)/$   
 $(x^2-x+1)/(x^5-x^4-x^2+x-1)$  lgdogf  
A058278 15.9863  $[ (x-1)*(x+1)/(x^3+x-1)$  ogf]  
A058278 18.8287  $-(-1+2*x+x^4-4*x^2)/(x-1)/(x+1)/(x^3+x-1)$  lgdogf  
A058278 8.42287  $[{a(n+3)-a(n+2)-a(n), a(0) = 1, a(1) = 1, a(2) = 0},$  ogf]  
A058279 3.32107  $[{(n+2)*a(n+1)+(n^2+5*n+4)*a(n+2)+(-n^2-10*n-22)*a(n+3)+(n$   
 $+4)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 17},$  ogf]  
A058281 10.6727  $-(-1-2*x+3*x^5+x^4-17*x^3-6*x^6-3*x^2+x^7)/(x-1)/(x^2+x+1)/(x^2-$   
 $x+1)/(x^3-2*x^2-2*x-1)$  lgdogf  
A058281 11.5526  $[ -(x^2-x+1)*(x^3-2*x^2-2*x-1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A058307 6.02356  $[{a(n+1)+(n+4)*a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 3},$   
ogf]  
A058308 5.62065  $[{-a(n+1)+(-n-5)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 4},$   
ogf]  
A058309 5.90689  $[{-a(n+1)+(-n-6)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 5},$   
ogf]  
A058310 12.1730  $-(x+1)*(x^3-3*x^2-18*x-10)/(x-1)/(x^2+x+1)/(x^2-4*x-1)$  lgdogf  
A058310 8.36213  $[ (x^2+x+1)*(x^2-4*x-1)/(x-1)^5$  ogf]  
A058319 13.1581  $[ (x^4-6*x^3+16*x^2-42*x-17)/(x-1)$  ogf]  
A058319 13.3123  $(59-32*x-16*x^3+3*x^4+34*x^2)/(x-1)/(x^4-6*x^3+16*x^2-42*x-17)$   
lgdogf  
A058331 13.3666  $[ -(3*x^2+1)/(x-1)^3$  ogf]  
A058331 28.7148  $-3*(x+1)^2/(x-1)/(1+3*x^2)$  lgdogf  
A058331 6.80267  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 9},$   
ogf]  
A058333 11.1373  $-2*(-8-25*x+7*x^3+6*x^2)/(x-1)/(x+1)/(7*x^2-10*x-1)$  lgdogf  
A058333 6.60915  $[ (x+1)*(7*x^2-10*x-1)/(x-1)^5$  ogf]  
A058349 37.3479  $-\exp(-x)-\exp(x)+x+2$  revegf  
A058364 16.8535  $[ -(9*x^8+1)/(x^9+x-1)$  ogf]  
A058364 17.9986  $-(1+9*x^16+72*x^7-54*x^8)/(x^9+x-1)/(9*x^8+1)$  lgdogf  
A058365 16.2890  $[ -(8*x^7+1)/(x^8+x-1)$  ogf]  
A058365 17.3874  $-(1+8*x^14+56*x^6-40*x^7)/(x^8+x-1)/(8*x^7+1)$  lgdogf  
A058366 16.3666  $[ -(7*x^6+1)/(x^7+x-1)$  ogf]  
A058366 17.4737  $-(1+42*x^5+7*x^12-28*x^6)/(7*x^6+1)/(x^7+x-1)$  lgdogf  
A058367 16.8381  $[ -(6*x^5+1)/(x^6+x-1)$  ogf]  
A058367 17.9889  $-(1-18*x^5+30*x^4+6*x^10)/(6*x^5+1)/(x^6+x-1)$  lgdogf  
A058368 13.7421  $-(1-10*x^4+20*x^3+5*x^8)/(x^2-x+1)/(5*x^4+1)/(x^3+x^2-1)$  lgdogf  
A058368 16.0178  $[ -(5*x^4+1)/(x^2-x+1)/(x^3+x^2-1)$  ogf]  
A058372 10.7255  $[ (x^2-5*x+2)/(x-1)^4$  ogf]  
A058373 10.6840  $[ x^2*(3*x-1)/(x-1)^4$  ogf]  
A058373 30.7165  $-(-1+9*x)/(-1+3*x)/(x-1)$  lgdogf  
A058373 4.98105  $[{(n+1)*a(n+3)+(-1-4*n)*a(n+2)+(6+3*n)*a(n+1), a(0) = 0, a(1) =$   
 $0, a(2) = -1},$  ogf]

A058381 21.7468  $-(\exp(x)-1-2*x-x^2)*\exp(-x)$  revegfg  
A058389 4.47022  $[-(x^8+3*x^7+14*x^6+12*x^5+15*x^4+9*x^3+5*x^2+1)/(x^2+x+1)/(x+1)^3/(x-1)^7$  ogf]  
A058396 41.8808  $3/(-1+2*x)/(x-1)$  lgdogf  
A058396 5.10121  $[{-a(n+4)+6*a(n+3)-12*a(n+2)+8*a(n+1), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 25}]$ , ogf]  
A058396 9.76517  $[(x-1)^3/(2*x-1)^3$  ogf]  
A058481 13.9485  $[(3*x+1)/(3*x-1)/(x-1)$  ogf]  
A058481 14.9953  $-1/6*(-4*x-1+(4*x^2+20*x+1)^{(1/2)})/(-1+x)$  revogfg  
A058481 16.1791  $-(-7+6*x+9*x^2)/(x-1)/(-1+3*x)/(3*x+1)$  lgdogf  
A058481 7.65466  $[{-a(n+2)+4*a(n+1)-3*a(n), a(0) = 1, a(1) = 7}]$ , ogf]  
A058482 10.5636  $[-(21*x^2+14*x+1)/(x-1)/(3*x-1)/(7*x-1)$  ogf]  
A058482 5.90843  $[{a(n+3)-11*a(n+2)+31*a(n+1)-21*a(n), a(0) = 1, a(1) = 25, a(2) = 265}]$ , ogf]  
A058482 9.25699  $-((25-20*x+441*x^4+588*x^3-602*x^2)/(-1+x)/(-1+3*x)/(7*x-1)/(21*x^2+14*x+1)$  lgdogf  
A058484 17.3967  $[-(6*x^4-6)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A058485 14.8162  $[-(2*x^4-4*x^3-4*x-2)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A058487 21.2396  $[-(2*x-2)/(x^3+1)$  ogf\_with\_Euler\_transform]  
A058492 13.7115  $[-(3*x^4-6*x^2-3)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A058511 15.2776  $[-(2*x^3-2*x^2-2*x-2)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A058539 17.9922  $[-(4*x^4-4)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A058543 15.1926  $[-(2*x^4+4*x^2+2)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A058562 40.8781  $-2*x+3*\ln(1+x)$  revegfg  
A058574 7.23667  $[-(x^10-x^9-2*x^8-x^6-2*x^5-x^4-2*x^2-x-1)/(x^12-1)$  ogf\_with\_Euler\_transform]  
A058576 20.5045  $[-(3*x^4-3)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A058581 13.0492  $-2*(-17-93*x-51*x^2+x^3)/(x-1)/(x^3-35*x^2-29*x-1)$  lgdogf  
A058581 3.60196  $[{(19*n^2+98*n+120)*a(n+1)+(-6*n^2+72*n+180)*a(n+2)+(-13*n^2-42*n-32)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 34}]$ , ogf]  
A058581 7.12645  $[x*(x^3-35*x^2-29*x-1)/(x-1)^5$  ogf]  
A058582 12.3223  $[(4*x^2+3*x+1)/(2*x^2-1)^2$  ogf]  
A058582 14.6391  $-((3+16*x+18*x^2+16*x^3)/(2*x^2-1)/(4*x^2+3*x+1)$  lgdogf  
A058607 4.34504  $[{(16*n^3+144*n^2+428*n+420)*a(n+1)+(-8*n^2-56*n-98)*a(n+2)+(n+4)*a(n+3), a(0) = 1, a(1) = 9, a(2) = 110}]$ , ogf]  
A058622 3.58525  $[{(-8*n-16)*a(n+1)+(4*n+12)*a(n+2)+(2*n+6)*a(n+3)+(-n-4)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 4}]$ , ogf]  
A058645 15.7203  $-2*(-5-4*x+4*x^2)/(-1+2*x)/(2*x^2-2*x-1)$  lgdogf  
A058645 3.48955  $[{(-3-n)*a(n+4)+10*a(n+3)+(14+6*n)*a(n+2)+(-8-4*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 10, a(3) = 54}]$ , ogf]  
A058645 8.40247  $[-x*(2*x^2-2*x-1)/(2*x-1)^4$  ogf]  
A058649 16.1749  $-6*(-3-8*x+8*x^2)/(-1+2*x)/(8*x^2-8*x-1)$  lgdogf  
A058649 3.25075  $[{(-3-n)*a(n+4)+(6-6*n)*a(n+3)+(72+24*n)*a(n+2)+(-48-16*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 18, a(3) = 132}]$ , ogf]  
A058649 7.63549  $[x*(8*x^2-8*x-1)/(2*x-1)^5$  ogf]  
A058667 10.1887  $[x/(2*x-1)^4$  egf]  
A058667 4.68858  $[{(-2*n^2-12*n-16)*a(n+1)+(n+1)*a(n+2), a(0) = 0, a(1) = 1}]$ , ogf]  
A058667 52.1311  $-8/(2*x-1)$  lgdegf  
A058686 12.3872  $[-(x^13-x^12-x^10-x^7-x^6-x^3-x-1)/(-x^15+1)$  ogf\_with\_Euler\_transform]  
A058764 15.4493  $2*(x^2-x+1)/(-1+x)/(2*x-1)/(x+1)$  lgdogf  
A058764 17.4132  $[2*(x-1)*(x+1)/(2*x-1)$  ogf]  
A058764 8.49931  $[{-a(n+3)+2*a(n+2), a(0) = 2, a(1) = 4, a(2) = 6}]$ , ogf]  
A058794 17.4455  $-((9+7*x+x^3-5*x^2)/(x-1)/(x^3-4*x^2+5*x+1)$  lgdogf  
A058794 3.91291  $[{(-19*n^2-173*n-270)*a(n+1)+(-52*n^2-476*n-960)*a(n+2)+(71*n^2+379*n+498)*a(n+3), a(0) = 2, a(1) = 18, a(2) = 52}]$ , ogf]  
A058794 9.58162  $[2*(x^3-4*x^2+5*x+1)/(x-1)^4$  ogf]  
A058795 10.7014  $-((-85-92*x+84*x^2-32*x^3+5*x^4)/(x-1)/(5*x^4-26*x^3+54*x^2-50*x-7)$  lgdogf  
A058795 7.34981  $[(5*x^4-26*x^3+54*x^2-50*x-7)/(x-1)^5$  ogf]

A058796 5.57188 [  $3*(6*x^5-37*x^4+96*x^3-134*x^2+98*x+11)/(x-1)^6$  ogf]  
A058796 7.84047  $-2*(82+111*x+3*x^5-22*x^4+70*x^3-124*x^2)/(x-1)/(6*x^5-37*x^4+96*x^3-134*x^2+98*x+11)$  lgdogf  
A058797 5.44021 [  $\{-a(n+1)+(n+2)*a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
A058798 4.86603 [  $\{-a(n+1)+(n+3)*a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A058799 4.50326 [  $\{a(n+1)+(-n-5)*a(n+2)+a(n+3), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]  
A058806 4.20863 [  $\{(16*n^3+112*n^2+260*n+200)*a(n+1)+(-8*n^2-44*n-62)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 47\}$ , ogf]  
A058809 17.1711 [  $6*x^2/(3*x-1)/(x-1)$  ogf]  
A058809 26.2006  $-2*(3*x-2)/(3*x-1)/(x-1)$  lgdogf  
A058809 6.35330 [  $\{-a(n+3)+4*a(n+2)-3*a(n+1), a(0) = 0, a(1) = 0, a(2) = 6\}$ , ogf]  
A058839 15.0158 [  $\{-x^5+x^4+x^2\}/(-x+1)$  ogf\_with\_Euler\_transform]  
A058844 3.61241 [  $(288*x^6-1560*x^5+3500*x^4-4130*x^3+2625*x^2-840*x+105)/(4*x-1)/(3*x-1)^2/(2*x-1)^3/(x-1)^4$  ogf]  
A058877 11.4296 [  $-x*(3*x-2)/(2*x-1)^2/(x-1)^2$  ogf]  
A058877 19.8810  $-(9-25*x+18*x^2)/(x-1)/(2*x-1)/(3*x-2)$  lgdogf  
A058877 3.82890 [  $\{(6+2*n)*a(n+4)+(-9*n-27)*a(n+3)+(38+13*n)*a(n+2)+(-18-6*n)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 9, a(3) = 28\}$ , ogf]  
A058887 11.5797 [  $-(16*x^8+12*x^6+2*x^3+10*x^2+4*x+3)/(x-1)$  ogf]  
A058887 8.88024  $(-7-20*x+60*x^6-72*x^5-128*x^7+4*x^3+112*x^8+4*x^2)/(x-1)/(16*x^8+12*x^6+2*x^3+10*x^2+4*x+3)$  lgdogf  
A058895 24.2916  $-3*(13+6*x+x^2)/(x-1)/(x^2+4*x+7)$  lgdogf  
A058895 4.19091 [  $\{(-37*n^2-648*n-1148)*a(n+1)+(426*n^2+2186*n-1443)*a(n+2)+(-389*n^2-130*n+259)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 14\}$ , ogf]  
A058895 9.19143 [  $-2*x^2*(x^2+4*x+7)/(x-1)^5$  ogf]  
A058896 14.8494  $1/2/(-15+4*x)*(-3+5*x+3^(1/2))*((x+3)*(1+3*x))^(1/2)$  revogf  
A058896 16.9280 [  $3*(5*x-1)/(4*x-1)/(x-1)$  ogf]  
A058896 22.0620  $-4*x*(-2+5*x)/(x-1)/(4*x-1)/(5*x-1)$  lgdogf  
A058896 9.61341 [  $\{-a(n+2)+5*a(n+1)-4*a(n), a(0) = -3, a(1) = 0\}$ , ogf]  
A058919 13.0310  $-(1+4*x+5*x^4+20*x^3+30*x^2)/(x-1)/(5*x^4+10*x^2-4*x+1)$  lgdogf  
A058919 8.30725 [  $-(5*x^4+10*x^2-4*x+1)/(x-1)^5$  ogf]  
A058920 11.2665  $-2*(5+35*x+60*x^2+19*x^3+x^4)/(x-1)/(2*x^4+15*x^3+25*x^2+5*x+1)$  lgdogf  
A058920 7.46163 [  $-(2*x^4+15*x^3+25*x^2+5*x+1)/(x-1)^5$  ogf]  
A058922 17.2914 [  $4*x/(2*x-1)^2$  ogf]  
A058922 29.9898  $x/(1+(2*x+1)^(1/2))^2$  revogf  
A058922 62.9786  $-4/(2*x-1)$  lgdogf  
A058922 7.89854 [  $\{a(n+2)-4*a(n+1)+4*a(n), a(0) = 0, a(1) = 4\}$ , ogf]  
A058923 16.7923  $-(1-6*x+x^4+9*x^2)/(x-1)/(x^4-2*x^3+5*x^2-4*x+1)$  lgdogf  
A058923 8.48455 [  $-(x^4-2*x^3+5*x^2-4*x+1)/(x-1)^5$  ogf]  
A058937 15.0487  $-x^4*(2*x+5+2*x^2)/(x-1)/(x^2+x+1)/(2*x^4-x^3+x^2-2*x+1)$  lgdogf  
A058937 5.01624 [  $\{-a(n)*n-2*a(n+1)-2*a(n+2)+(n-2)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 1\}$ , ogf]  
A058937 9.06159 [  $-(2*x^4-x^3+x^2-2*x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A058962 14.9277 [  $(4*x+1)/(4*x-1)^2$  ogf]  
A058962 18.2197  $-1/8*(-1-8*x+(1+32*x)^(1/2))/(-1+4*x)$  revogf  
A058962 25.9281  $-4*(3+4*x)/(4*x-1)/(4*x+1)$  lgdogf  
A058962 8.17467 [  $\{-a(n+2)+8*a(n+1)-16*a(n), a(0) = 1, a(1) = 12\}$ , ogf]  
A058966 11.6379  $-2*(1+2*x+8*x^3-10*x^2)/(x-1)/(2*x-1)/(8*x^3-8*x^2+3*x-1)$  lgdogf  
A058966 5.05095 [  $\{-a(n+4)+5*a(n+3)-8*a(n+2)+4*a(n+1), a(0) = 1, a(1) = 2, a(2) = 10, a(3) = 30\}$ , ogf]  
A058966 9.80909 [  $(8*x^3-8*x^2+3*x-1)/(x-1)/(2*x-1)^2$  ogf]  
A058967 5.76436 [  $(120*x^8-184*x^7+62*x^6+8*x^4-16*x^3+11*x^2-4*x+1)/(2*x-1)^2/(x-1)^2$  ogf]  
A058968 10.9851 [  $(8*x^2-8*x-1)/(2*x-1)/(x-1)^2$  ogf]  
A058968 13.1325  $-2*(6-7*x+8*x^3-8*x^2)/(x-1)/(2*x-1)/(8*x^2-8*x-1)$  lgdogf  
A058968 5.87801 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 12, a(2) = 35\}$ , ogf]

A058985 5.90683 [  $-(74x^5+8x^4-92x^3+66x^2-3x-6)/(x-1)^6$  ogf]  
A058985 9.10279  $-(39+117x+74x^2+386x^3-244x^4-12x^5)/(x-1)/(74x^5+8x^4-92x^3+66x^2-3x-6)$  lgdogf  
A058992 24.9533  $(x-3)(1+x^2)/(x-1)/(x^3-x^2+x+1)$  lgdogf  
A058992 6.68748 [  $\{a(n+5)-2a(n+4)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 4, a(4) = 6\}$ , ogf]  
A059019 7.76251  $1/2*(-3+16x-12x^2-13x^3+(-(-1+4x)*(1-6x+3x^2)^2)^{(1/2)})/(-1+4x)/(x^3+2x^2-3x+1)$  lgdogf  
A059020 11.8673 [  $-x(x+3)/(x^2+2x-1)/(x-1)^2$  ogf]  
A059020 13.6008  $-(-13+11x+3x^2+15x^3)/(x-1)/(x+3)/(-1+2x+x^2)$  lgdogf  
A059020 3.34870 [  $\{(4n+15)a(n+1)+(4n+19)a(n+2)+(-12n-37)a(n+3)+(4n+11)a(n+4), a(0) = 0, a(1) = 3, a(2) = 13, a(3) = 40\}$ , ogf]  
A059021 4.19467 [  $-2x(x^5-4x^4-3x^3+7x^2-7x+3)/(x^6-7x^5+x^4+6x^3-11x^2+7x-1)/(x-1)^2$  ogf]  
A059029 14.3878 [  $x(x^2+2x+3)/(x-1)^2/(x+1)^2$  ogf]  
A059029 19.6591  $-2(1+7x+x^3+3x^2)/(x-1)/(1+x)/(x^2+2x+3)$  lgdogf  
A059030 12.3506  $-(3+2x+4x^2+15x^3+3x^4+15x^5)/(x-1)/(x^2+x+1)/(x^3+x^2+3x+2)$  lgdogf  
A059030 12.7966 [  $2(x^3+x^2+3x+2)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A059031 7.09018  $-(-3-18x-48x^2-26x^3-52x^4-3x^5-10x^6-6x^7+2x^8-12x^9)/(x-1)/(1+x)/(1+x^2)/(x^6-x^5-3x^4-2x^3-9x^2-3x-5)$  lgdogf  
A059031 9.50909 [  $-(x^6-x^5-3x^4-2x^3-9x^2-3x-5)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A059100 13.3393 [  $-(3x^2-3x+2)/(x-1)^3$  ogf]  
A059100 26.6017  $-3(1+x^2)/(x-1)/(3x^2-3x+2)$  lgdogf  
A059100 7.26518 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 2, a(1) = 3, a(2) = 6\}$ , ogf]  
A059115 21.4369  $(-2+3x)/(2x-1)/(x-1)^2$  lgdegf  
A059115 3.04073 [  $\{(n+3)a(n+3)+(-10-4n)a(n+2)+(8+5n)a(n+1)-2na(n), a(0) = 1, a(1) = 2, a(2) = 9/2\}$ , egf]  
A059116 10.0784  $-(19-54x+324x^2-189x^3)/(x-1)/(6x-1)/(-1+3x)/(9x+1)$  lgdogf  
A059116 4.37509 [  $\{a(n+4)-10a(n+3)+27a(n+2)-18a(n+1), a(0) = 0, a(1) = 0, a(2) = 6, a(3) = 114\}$ , ogf]  
A059116 9.08672 [  $-6x^2(9x+1)/(x-1)/(6x-1)/(3x-1)$  ogf]  
A059133 3.88325 [  $-2(x+2)/(2x-1)/(x-1)^2$  ogf]  
A059133 5.26972  $-(-9+11x+4x^2)/(-1+x)/(2x-1)/(2+x)$  lgdogf  
A059135 4.08669 [  $-(10x+11)/(2x-1)/(x-1)^2$  ogf]  
A059138 4.23440 [  $-18(x+1)/(2x-1)/(x-1)^2$  ogf]  
A059138 6.16834  $-(-5+5x+4x^2)/(-1+x)/(2x-1)/(x+1)$  lgdogf  
A059140 3.72996 [  $(x-4)/(2x-1)/(x-1)^2$  ogf]  
A059142 4.01193 [  $(4x-11)/(2x-1)/(x-1)^2$  ogf]  
A059145 4.06207 [  $3(2x-5)/(2x-1)/(x-1)^2$  ogf]  
A059145 5.21300  $-2(9-16x+4x^2)/(2x-5)/(-1+x)/(2x-1)$  lgdogf  
A059153 20.7508  $-1/8*(-2-3x+(4+12x+x^2)^{(1/2)})/x$  revogf  
A059153 21.7648 [  $4/(4x-1)/(2x-1)$  ogf]  
A059153 25.1974  $-2(-3+8x)/(-1+4x)/(2x-1)$  lgdogf  
A059153 8.65348 [  $\{-a(n+2)+6a(n+1)-8a(n), a(0) = 4, a(1) = 24\}$ , ogf]  
A059155 12.4825  $-1/32*(-12-10x+(2+3x)^{(1/2)}*(6+x)^{(1/2)}*2^{(1/2)}*6^{(1/2)})/x$  revogf  
A059155 21.1425 [  $12/(8x-1)/(2x-1)$  ogf]  
A059155 25.8259  $-2(-5+16x)/(-1+8x)/(2x-1)$  lgdogf  
A059155 8.74862 [  $\{-a(n+2)+10a(n+1)-16a(n), a(0) = 12, a(1) = 120\}$ , ogf]  
A059158 10.9612  $-1/32*(-12-9x+(144+216x+49x^2)^{(1/2)})/x$  revogf  
A059158 13.0889 [  $24/(16x-1)/(2x-1)$  ogf]  
A059158 15.3456  $-2(-9+32x)/(-1+16x)/(2x-1)$  lgdogf  
A059158 5.41610 [  $\{-a(n+2)+18a(n+1)-32a(n), a(0) = 24, a(1) = 432\}$ , ogf]  
A059160 10.7708 [  $-(5x^4+5x^5)/(-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A059162 22.2060  $-4/(2x-1)$  lgdogf  
A059162 22.9769 [  $12/(2x-1)^2$  ogf]

A059162 9.30017 [ $\{-a(n+2)+4*a(n+1)-4*a(n), a(0) = 12, a(1) = 48\}$ , ogf]  
A059162 9.65479  $3*x/(3+(9+6*x)^{(1/2)})^2$  revogf  
A059165 17.1731 [ $16*x/(2*x-1)^2$  ogf]  
A059165 30.6042  $x/(2+(2*x+4)^{(1/2)})^2$  revogf  
A059165 64.2689  $-4/(2*x-1)$  lgdogf  
A059165 7.95824 [ $\{a(n+2)-4*a(n+1)+4*a(n), a(0) = 0, a(1) = 16\}$ , ogf]  
A059169 13.2202 [ $x^2*(x^2-x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A059169 16.2104  $-x*(2+3*x^4+5*x^2-3*x^3+x)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)$  lgdogf  
A059169 24.5852 [ $-x^5+x^3+x^2+x$  ogf\_with\_Euler\_transform]  
A059171 3.50303 [ $\{(3*n^3+3*n^2-6*n)*a(n)+(n^3+2*n^2+7*n+6)*a(n+1)+(-n^2-3*n-2)*a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A059173 12.6916  $-2*(1-2*x+3*x^2+3*x^4)/(x-1)/(x^5+x^4-2*x^3+4*x^2-3*x+1)$  lgdogf  
A059173 7.04257 [ $-(x^5+x^4-2*x^3+4*x^2-3*x+1)/(x-1)^5$  ogf]  
A059174 10.0074  $-2*(1-3*x+5*x^2-3*x^3+3*x^4+3*x^5)/(x-1)/(x^6+3*x^4-6*x^3+7*x^2-4*x+1)$  lgdogf  
A059174 6.38359 [ $(x^6+3*x^4-6*x^3+7*x^2-4*x+1)/(x-1)^6$  ogf]  
A059193 12.0526 [ $(3*x^3-7*x^2-x-3)/(x-1)^3$  ogf]  
A059193 20.9290  $-2*(-5-8*x+x^2)/(x-1)/(3*x^3-7*x^2-x-3)$  lgdogf  
A059193 6.16024 [ $\{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 3, a(1) = 10, a(2) = 28, a(3) = 54\}$ , ogf]  
A059204 4.46279 [ $\{(-2*n^2-2*n)*a(n)+(n^2+3*n-2)*a(n+1)+(1-n)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$ , ogf]  
A059222 12.6724 [ $-(4*x^3+x^2-x-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A059222 9.51362  $-(1+8*x+16*x^6+8*x^5+8*x^4-16*x^3-7*x^2)/(-1+x)/(2*x+1)/(2*x-1)/(x+1)/(4*x^3+x^2-x-1)$  lgdogf  
A059224 15.0738  $-(35-56*x+20*x^2)/(x-1)/(10*x-9)/(-1+2*x)$  lgdogf  
A059224 5.39231 [ $\{a(n+3)-6*a(n+2)+12*a(n+1)-8*a(n), a(0) = 18, a(1) = 70, a(2) = 224\}$ , ogf]  
A059224 9.70615 [ $-2*(10*x-9)*(x-1)/(2*x-1)^3$  ogf]  
A059231 10.9267  $-1/2*(1-3*x+(9*x-1)^{(1/2)}*(x-1)^{(1/2)})/(9*x-1)^{(1/2)}/(x-1)^{(1/2)}/x$  lgdogf  
A059231 3.42853 [ $\{(27*n^2+27*n)*a(n)+(-39*n^2-111*n-72)*a(n+1)+(13*n^2+67*n+84)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 5\}$ , ogf]  
A059231 37.9559  $x*(-1+4*x)/(-1+3*x)$  revogf  
A059255 14.0540  $-(73+301*x+187*x^2+15*x^3)/(x-1)/(x+1)/(5*x^2+38*x+5)$  lgdogf  
A059255 4.01631 [ $\{(-14*n^2-83*n-123)*a(n+1)+(28*n^2+140*n+331)*a(n+2)+(-14*n^2-57*n-58)*a(n+3), a(0) = 0, a(1) = 25, a(2) = 365\}$ , ogf]  
A059255 7.12326 [ $5*x*(x+1)*(5*x^2+38*x+5)/(x-1)^6$  ogf]  
A059270 11.5207 [ $3*x*(x+1)/(x-1)^4$  ogf]  
A059270 35.4144 [ $[5-x]$  ogf\_with\_Euler\_transform]  
A059270 36.8888  $-(3*x+5)/(x-1)/(1+x)$  lgdogf  
A059270 5.58838 [ $\{(n+2)*a(n+3)-5*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 15\}$ , ogf]  
A059272 12.0289  $1/2/(-1+x)*(2*x^2-x-1+((-1+x)*(4*x^3-8*x^2+x-1))^{(1/2)})$  revogf  
A059278 13.0612  $1/4+1/2*x-1/4*x^2-1/4*(1-4*x+10*x^2-4*x^3+x^4)^{(1/2)}$  revogf  
A059279 16.8010  $1/2+x-x^2-1/2*(1-8*x^3+4*x^4+4*x^2)^{(1/2)}$  revogf  
A059279 3.49112 [ $\{(8*n+12)*a(n+1)+(-16*n-44)*a(n+2)+(8*n+30)*a(n+3)+(-n-5)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 20\}$ , ogf]  
A059280 14.6486  $(-1+2*x-2*x^2)*f(x)+(1-4*x+4*x^2)*f(x)^2$  lgdegf  
A059280 2.95901 [ $\{(2*n^2+10*n+12)*a(n+1)+(-4*n^2-22*n-30)*a(n+2)+(4*n+13)*a(n+3)-a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 19\}$ , ogf]  
A059281 16.4729  $(-2+5*x+2*x^3-4*x^2)/(x-1)/(-1+2*x)^2$  lgdegf  
A059284 10.6717  $-(-1+6*x+3*x^2+2*(1-6*x-3*x^2)^{(1/2)})/(x+1)/(3*x^2+6*x-1)$  lgdogf  
A059284 20.9753  $(2-x+(1-4*x)^{(1/2)})/(3+x^2)*x$  revogf  
A059293 6.48141 [ $-(3*x^7-x^6+x^5+x^4+x^3+x^2-2*x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3$  ogf]  
A059302 13.2713 [ $-(4*x-1)/(x-1)^5$  ogf]  
A059302 37.3878  $-(-1+16*x)/(-1+4*x)/(x-1)$  lgdogf  
A059302 6.19910 [ $\{(n+3)*a(n+3)+(-11-5*n)*a(n+2)+(20+4*n)*a(n+1), a(0) = -1, a(1) = -1, a(2) = 5\}$ , ogf]  
A059304 22.5279  $(-4*x+(16*x^2+1)^{(1/2)})*x$  revogf



A059304 5.47790 [  $\{(-n-2)*a(n+2)+(12+8*n)*a(n+1), a(0) = 1, a(1) = 4\}$ , ogf]  
A059304 51.1997  $-4/(-1+8*x)$  lgdogf  
A059329 19.4189  $-2*(1+5*x+x^2+x^3)/(x-1)/(x+1)/(1+x^2)$  lgdogf  
A059329 25.8096 [  $[-2*x^3+4*x+2]$  ogf\_with\_Euler\_transform]  
A059329 8.46128 [  $(x^2+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A059338 5.30674 [  $(16*x^4-32*x^3-6*x^2+22*x+1)/(2*x-1)^6$  ogf]  
A059338 8.27180  $-2*(17+104*x-72*x^2-64*x^3+32*x^4)/(2*x-1)/$   
 $(16*x^4-32*x^3-6*x^2+22*x+1)$  lgdogf  
A059345 15.0995  $-(-1-5*x+2*x^3+3*x^2)/(x^2+3*x-1)/(x^2-x-1)$  lgdogf  
A059371 4.61927 [  $\{(-n^2-9*n-20)*a(n+1)+(3*n+14)*a(n+2)-2*a(n+3), a(0) = 1, a(1)$   
 $= 4, a(2) = 16\}$ , ogf]  
A059387 7.15279  $-2*(6-53*x+216*x^5-216*x^4-72*x^3+144*x^2)/(x-1)/(6*x-1)/$   
 $(-1+3*x)/(2*x-1)/(6*x^2-1)$  lgdogf  
A059387 8.61164 [  $-2*x*(6*x^2-1)/(x-1)/(6*x-1)/(3*x-1)/(2*x-1)$  ogf]  
A059403 6.12679 [  $-x^3*(x^4+2*x^3+2*x+1)/(x^2+1)/(x+1)^3/(x-1)^5$  ogf]  
A059403 8.82978  $-2*(2+5*x+8*x^6+5*x^5+10*x^2+11*x^3+16*x^4+3*x^7)/(x-1)/(x+1)/$   
 $(x^2+1)/(x^4+2*x^3+2*x+1)$  lgdogf  
A059409 15.6700 [  $4*x/(8*x-1)/(4*x-1)$  ogf]  
A059409 17.7101  $-1/16*(-1-3*x+(1+6*x+x^2)^(1/2))/x$  revogf  
A059409 21.5051  $-4*(16*x-3)/(8*x-1)/(-1+4*x)$  lgdogf  
A059409 7.36300 [  $\{a(n+2)-12*a(n+1)+32*a(n), a(0) = 0, a(1) = 4\}$ , ogf]  
A059410 18.2671 [  $6*x/(9*x-1)/(3*x-1)$  ogf]  
A059410 19.0637  $-1/9*(-1-2*x+(1+4*x+x^2)^(1/2))/x$  revogf  
A059410 23.3001  $-6*(-2+9*x)/(9*x-1)/(3*x-1)$  lgdogf  
A059410 8.58335 [  $\{a(n+2)-12*a(n+1)+27*a(n), a(0) = 0, a(1) = 6\}$ , ogf]  
A059421 27.4906  $-(17+18*x)/(3*x+2)/(x-1)$  lgdogf  
A059421 4.28729 [  $\{(-2*n-6)*a(n+3)+(15-n)*a(n+2)+(21+3*n)*a(n+1), a(0) = 16, a(1)$   
 $= 136, a(2) = 616\}$ , ogf]  
A059421 7.39675 [  $-8*(3*x+2)/(x-1)^7$  ogf]  
A059422 36.6312  $-1/2*(-2+x^2)/(x+1)$  lgdegf  
A059422 4.38280 [  $\{(n^2+5*n+6)*a(n+1)+(2*n+4)*a(n+3)+2*a(n+4), a(0) = 1, a(1) =$   
 $1, a(2) = 0, a(3) = -1\}$ , ogf]  
A059435 10.1434  $-1/2*(-1+2*x+(1-12*x+4*x^2)^(1/2))/(1-12*x+4*x^2)^(1/2)/x$  lgdogf  
A059435 30.4303  $x*(-1+4*x)/(-1+2*x)$  revogf  
A059480 5.40117 [  $\{(n+4)*a(n+1)-a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = 4\}$ ,  
ogf]  
A059482 12.1536 [  $-(2*x-1)/(10*x-1)/(x-1)$  ogf]  
A059482 12.7146  $-1/4*(-1-11*x+(1+14*x+81*x^2)^(1/2))/(1+5*x)$  revogf  
A059482 14.3447  $-(9-20*x+20*x^2)/(x-1)/(2*x-1)/(10*x-1)$  lgdogf  
A059482 6.80025 [  $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A059502 12.9087  $-(-3+9*x-9*x^2+4*x^3)/(x-1)/(-1+2*x)/(x^2-3*x+1)$  lgdogf  
A059502 8.50682 [  $x*(2*x-1)*(x-1)/(x^2-3*x+1)^2$  ogf]  
A059505 10.1165  $-(5-17*x+x^4-9*x^3+18*x^2)/(x-1)/(1+x^2-3*x)/(x^2-5*x+2)$  lgdogf  
A059505 7.42818 [  $-(x-1)*(x^2-5*x+2)/(x^2-3*x+1)^2$  ogf]  
A059506 7.32295 [  $-(x-1)*(2*x^2-8*x+3)/(x^2-3*x+1)^2$  ogf]  
A059506 9.39280  $-(7-25*x-14*x^3+27*x^2+2*x^4)/(x-1)/(x^2-3*x+1)/(2*x^2-8*x+3)$   
lgdogf  
A059507 7.40342 [  $-(x-1)*(3*x^2-11*x+4)/(x^2-3*x+1)^2$  ogf]  
A059507 9.34514  $-(9-33*x-19*x^3+3*x^4+36*x^2)/(x-1)/(x^2-3*x+1)/(3*x^2-11*x+4)$   
lgdogf  
A059508 7.44366 [  $-(x-1)*(4*x^2-14*x+5)/(x^2-3*x+1)^2$  ogf]  
A059508 9.24789  $-(11-41*x-24*x^3+4*x^4+45*x^2)/(x-1)/(x^2-3*x+1)/(4*x^2-14*x+5)$   
lgdogf  
A059509 11.9522  $-(x-1)*(x^3+4*x^2-2*x+5)/(1+x^2-3*x)/(x^3-x+1)$  lgdogf  
A059509 8.03593 [  $(x^3-x+1)/(x^2-3*x+1)^2$  ogf]  
A059512 8.90259 [  $-x*(2*x-1)*(x-1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A059512 9.13981  $-(-1-2*x-5*x^2+16*x^3-13*x^4+4*x^5)/(2*x-1)/(x-1)/(x^2-3*x+1)/$   
 $(x^2+x-1)$  lgdogf  
A059517 11.1167 [  $-6*x^2*(3*x+2)/(x-1)/(6*x-1)/(3*x-1)$  ogf]  
A059517 5.39489 [  $\{a(n+4)-10*a(n+3)+27*a(n+2)-18*a(n+1), a(0) = 0, a(1) = 0, a(2)$   
 $= 12, a(3) = 138\}$ , ogf]

A059517 9.35509  $-(23-108*x+108*x^3+27*x^2)/(x-1)/(-1+6*x)/(3*x+2)/(3*x-1)$  lgdogf  
A059532 8.20619  $[(x^7+4*x^6+4*x^5+4*x^4+4*x^3+4*x^2+4*x+4)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A059533 5.88989  $[(x^{12}+x^{11}+2*x^{10}+2*x^9+2*x^8+2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A059534 6.75818  $[(3*x^{10}+2*x^9+2*x^8+2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A059537 11.5148  $[(2*x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A059537 9.45203  $-(x+1)*(4*x^7+x^6+6*x^5+3*x^4+8*x^3+4*x^2+2*x+2)/(x-1)/(x^4+x^3+x^2+x+1)/(2*x^4+x^3+x^2+x+1)$  lgdogf  
A059541 5.96145  $[(2*x^{12}+2*x^{11}+2*x^{10}+x^9+2*x^8+2*x^7+x^6+2*x^5+2*x^4+x^3+2*x^2+2*x+1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A059542 7.23997  $[(x^9+2*x^8+2*x^7+3*x^6+2*x^5+3*x^4+2*x^3+3*x^2+2*x+2)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A059543 29.8388  $[-x^{10}+x^9+2$  ogf\_with\_Euler\_transform]  
A059543 7.01641  $[(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A059544 7.60972  $[(x^7+11*x^6+11*x^5+11*x^4+11*x^3+11*x^2+11*x+11)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A059547 6.71816  $[(2*x^{10}+2*x^9+2*x^8+2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A059548 6.75818  $[(x^{10}+2*x^9+2*x^8+2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A059557 12.9116  $[(x+1)*(x^2+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A059557 14.5642  $-(2+4*x+x^5+3*x^4+5*x^3+9*x^2)/(x-1)/(1+x)/(x^2+1)/(x^2+x+1)$  lgdogf  
A059557 30.6185  $[-x^3+x^2+2$  ogf\_with\_Euler\_transform]  
A059557 5.43232  $[ \{ (-2*n-7)*a(n+1)-2*a(n+2)-2*a(n+3)+(2*n+5)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5 \},$  ogf]  
A059558 10.1076  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 4, a(1) = 8 \},$  ogf]  
A059558 101.582  $-2/(x-1)$  lgdogf  
A059558 25.1159  $[ 4/(x-1)^2$  ogf]  
A059558 42.7712  $x/(1+(x+1)^{(1/2)})^2$  revogf  
A059561 9.53373  $[(2*x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A059562 6.41977  $[(8*x^{10}+8*x^9+8*x^8+8*x^7+8*x^6+8*x^5+8*x^4+8*x^3+8*x^2+8*x+7)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A059568 6.56649  $[(4*x^{10}+4*x^9+4*x^8+3*x^7+4*x^6+4*x^5+4*x^4+3*x^3+4*x^2+4*x+3)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A059570 17.0976  $[-(x-1)/(x+1)/(2*x-1)^2$  ogf]  
A059570 17.3640  $-2*(-1-2*x+2*x^2)/(x-1)/(-1+2*x)/(x+1)$  lgdogf  
A059570 8.18504  $[ \{ a(n+3)-3*a(n+2)+4*a(n), a(0) = 1, a(1) = 2, a(2) = 6 \},$  ogf]  
A059585 13.3964  $-2*(-17+27*x+4*x^3-18*x^2)/(x-1)/(x-2)/(2*x^2-4*x+3)$  lgdogf  
A059585 5.25034  $[ x^2*(2*x^2-4*x+3)*(x-2)^2/(x-1)^8$  ogf]  
A059593 7.96474  
 $a(n), a(0)=1, a(1)=0, a(2)=0, a(3)=0, a(4)=1/2, a(5)=0, a(6)=0, a(7)=0, a(8)=0, a(9)=1/60$   
lgdegf  
A059595 25.4724  $-7*(3*x+1)/(x-1)/(x+1)$  lgdogf  
A059595 26.9773  $[ [7+7*x]$  ogf\_with\_Euler\_transform]  
A059595 4.21637  $[ \{ (n+3)*a(n+3)-7*a(n+2)+(-22-n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 35 \},$  ogf]  
A059596 10.1931  $-2272-6816*x+(244-120*x-284*x^2)*f(x)+(5-5*x^2)*f(x)^2$  lgdogf  
A059596 26.4838  $[ [8+8*x]$  ogf\_with\_Euler\_transform]  
A059596 4.14194  $[ \{ (n+3)*a(n+3)-8*a(n+2)+(-25-n)*a(n+1), a(0) = 1, a(1) = 8, a(2) = 44 \},$  ogf]  
A059597 26.1900  $-9*(1+3*x)/(x-1)/(x+1)$  lgdogf  
A059597 27.6944  $[ [9+9*x]$  ogf\_with\_Euler\_transform]  
A059597 4.33129  $[ \{ (n+3)*a(n+3)-9*a(n+2)+(-28-n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 54 \},$  ogf]

A059598 11.7853  $-710-2130*x+(61-30*x-71*x^2)*f(x)+(1-x^2)*f(x)^2$  lgdogf  
A059598 24.8113  $[[10+10*x]$  ogf\_with\_Euler\_transform]  
A059598 4.19134  $[{(n+3)*a(n+3)-10*a(n+2)+(-31-n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 65},$  ogf]  
A059599 34.2561  $-(19+5*x)/(x+3)/(x-1)$  lgdogf  
A059599 4.79401  $[{(-3*n-9)*a(n+3)+(23+2*n)*a(n+2)+(6+n)*a(n+1), a(0) = 3, a(1) = 19, a(2) = 69},$  ogf]  
A059599 9.16854  $[(x+3)/(x-1)^6$  ogf]  
A059600 17.1578  $-2*(x+7)*(3*x+1)/(x-1)/(x^2+6*x+1)$  lgdogf  
A059600 5.62780  $[(x^2+6*x+1)/(x-1)^8$  ogf]  
A059601 14.4685  $-20*(1+5*x+2*x^2)/(x-1)/(5*x^2+10*x+1)$  lgdogf  
A059601 4.22944  $[(5*x^2+10*x+1)/(x-1)^10$  ogf]  
A059602 15.0313  $-4*(15+23*x+2*x^2)/(x-1)/(x^2+10*x+5)$  lgdogf  
A059602 4.27723  $[(x^2+10*x+5)/(x-1)^10$  ogf]  
A059603 15.0667  $-3*(9+65*x+3*x^3+51*x^2)/(x-1)/(x+1)/(x^2+14*x+1)$  lgdogf  
A059603 4.06190  $[{(2*n^2+41*n+210)*a(n+1)+(-4*n^2-52*n-115)*a(n+2)+(2*n^2+11*n+15)*a(n+3), a(0) = 1, a(1) = 27, a(2) = 273},$  ogf]  
A059603 4.58202  $[(x+1)*(x^2+14*x+1)/(x-1)^12$  ogf]  
A059605 15.5609  $-(-37+49*x+x^3-17*x^2)/(x-1)/(x^3-10*x^2+23*x-15)$  lgdogf  
A059605 3.79237  $[{(-1723*n^2-7109*n-7326)*a(n+1)+(3704*n^2+11128*n-8988)*a(n+2)+(-1981*n^2-3245*n+8094)*a(n+3), a(0) = 15, a(1) = 37, a(2) = 68},$  ogf]  
A059605 9.71794  $[-(x^3-10*x^2+23*x-15)/(x-1)^4$  ogf]  
A059620 8.00876  $[-x*(x^10+x^8+x^5+x^3+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A059624 19.8223  $-2*(23+58*x+15*x^2)/(x-1)/(x+3)/(3*x+1)$  lgdogf  
A059624 3.79903  $[{(3*n+12)*a(n+4)+(-25+7*n)*a(n+3)+(-130-7*n)*a(n+2)+(-33-3*n)*a(n+1), a(0) = 3, a(1) = 46, a(2) = 357, a(3) = 1908},$  ogf]  
A059624 5.07354  $[(x+3)*(3*x+1)/(x-1)^12$  ogf]  
A059625 23.4480  $-11*(3*x+1)/(x-1)/(x+1)$  lgdogf  
A059625 23.6532  $[[11+11*x]$  ogf\_with\_Euler\_transform]  
A059625 3.99888  $[{(n+3)*a(n+3)-11*a(n+2)+(-34-n)*a(n+1), a(0) = 1, a(1) = 11, a(2) = 77},$  ogf]  
A059628 11.1657  $[-5*x*(11*x^10+10*x^9+1)/(x-1)/(x+1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A059628 7.70739  $-2*x*(1+11*x^20+15*x^19-5*x^17-38*x^10-35*x^9+50*x^8+45*x^7)/(x-1)/(x+1)/(x^2+1)/(11*x^10+10*x^9+1)/(x^8-x^6+x^4-x^2+1)$  lgdogf  
A059633 17.5160  $[-1/(x^4-x^3+2*x-1)$  ogf]  
A059633 19.2191  $-(2+4*x^3-3*x^2)/(-x^3-1+2*x+x^4)$  lgdogf  
A059655 5.07846  $[(4*x^28+2*x^24-2*x^23+2*x^20-2*x^19-4*x^15+3*x^8+10*x^7+4*x^6+4*x^5+4*x^4+6*x^3+4*x^2+4*x+1)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf]  
A059672 10.2527  $[-x*(4*x-3)/(2*x-1)^2/(x-1)^2$  ogf]  
A059672 16.5080  $-2*(7-18*x+12*x^2)/(x-1)/(4*x-3)/(-1+2*x)$  lgdogf  
A059672 3.40064  $[{(9+3*n)*a(n+4)+(-40-13*n)*a(n+3)+(54+18*n)*a(n+2)+(-24-8*n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 14, a(3) = 45},$  ogf]  
A059673 13.8128  $-(-11-23*x+8*x^3+6*x^2)/(x-1)/(-1+2*x)/(2*x^2+x-2)$  lgdogf  
A059673 9.15905  $[-x*(2*x^2+x-2)/(2*x-1)^2/(x-1)^2$  ogf]  
A059712 10.2468  $-1/2*(-1-5*x-2*x^2+(4*x^2+1)*(-1+x)^2)^(1/2)/(3+6*x+7*x^2)$  revogf  
A059714 12.8755  $-1/2*(-1-7*x-2*x^2+(4*x^2+1)*(-1+x)^2)^(1/2)/(2+3*x)^2$  revogf  
A059716 11.0664  $-(-3-8*x+x^4-4*x^3+11*x^2)/(x-1)/(x^4-7*x^3+10*x^2-6*x+1)$  lgdogf  
A059716 8.10810  $[-(x-1)^3/(x^4-7*x^3+10*x^2-6*x+1)$  ogf]  
A059721 5.35929  $[-x*(7*x^4+42*x^3+56*x^2+14*x+1)/(x-1)^7$  ogf]  
A059721 9.59270  $-7*(3+28*x+58*x^2+28*x^3+3*x^4)/(x-1)/(7*x^4+42*x^3+56*x^2+14*x+1)$  lgdogf  
A059722 11.0898  $[x*(x+1)*(5*x+1)/(x-1)^4$  ogf]  
A059722 21.5789  $-2*(5+14*x+5*x^2)/(x-1)/(5*x+1)/(x+1)$  lgdogf  
A059722 4.23852  $[{(n+3)*a(n+4)+5*n*a(n+3)+(-29-n)*a(n+2)+(-10-5*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 10, a(3) = 39},$  ogf]  
A059727 8.06352  $[-2*x*(x^3-x^2-2*x+1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A059727 8.13160  $-(-1-6*x^5+15*x^4+10*x^3-4*x^6-11*x^2+2*x^7)/(1+x)/(x^2-3*x+1)/$

$(x^2+x-1)/(x^3-x^2-2x+1)$  lgdogf  
A059738 3.76437 [  $\{(21n+42)a(n+1)+(8n+37)a(n+2)+(-11n-49)a(n+3)+(2n+10)a(n+4), a(0) = 1, a(1) = 3, a(2) = 10, a(3) = 34\}$ , ogf]  
A059738 32.8151  $x*(2x+1)/(1+5x+7x^2)$  revogf  
A059769 6.65484  $-(-7-12x-10x^2+26x^3+48x^4-8x^5+x^8)/(x+1)/(x^2-3x+1)/(x^2+x-1)/(x^4-5x^2-4x-1)$  lgdogf  
A059769 8.74213 [  $(x^4-5x^2-4x-1)/(x+1)/(x^2-3x+1)/(x^2+x-1)$  ogf]  
A059774 5.46041 [ -  $(15x^{11}-40x^{10}+26x^9+11x^8-20x^7+15x^6-8x^5+x^4+x^3-3x^2+x-1)/(x-1)^4$  ogf]  
A059777 10.9423 [  $-(x^5-x^4-x^3-x^2-x)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A059778 7.99504 [  $-(x^5-x^4-x^3-x^2-x)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A059811 10.1574  $(1-442x^7+164x^6+30x^5+12x^3-9x^4+245x^8)/(x-1)/(35x^8-27x^7-5x^6-3x^4-1)$  lgdogf  
A059811 12.8536 [  $(35x^8-27x^7-5x^6-3x^4-1)/(x-1)$  ogf]  
A059812 5.89175  $(-4+4x-1146x^6-5559x^8+4970x^7-84x^3+147x^4-297x^5+1967x^9)/(x-1)/(281x^9-505x^8+186x^7+39x^6-21x^5+21x^4-3x^2+2x+1)$  lgdogf  
A059812 7.22133 [  $(281x^9-505x^8+186x^7+39x^6-21x^5+21x^4-3x^2+2x+1)/(x-1)^2$  ogf]  
A059815 7.84053 [  $-(x^9-63x^8-15x^7+55x^6+12x^5+5x^4+3x^3+3x^2+x+1)/(x-1)/(x+1)$  ogf]  
A059816 5.79646 [ -  $(3x^{11}-222x^{10}-50x^9+421x^8+85x^7-184x^6-32x^5-8x^4-7x^3-7x^2-x-1)/(x-1)^2/(x+1)^2$  ogf]  
A059826 11.1306  $-3*(1+8x+22x^2+8x^3+x^4)/(x-1)/(3x^4+6x^3+16x^2-2x+1)$  lgdogf  
A059826 7.10228 [  $-(3x^4+6x^3+16x^2-2x+1)/(x-1)^5$  ogf]  
A059827 10.4197  $-3*(9+72x+28x^3+x^4+100x^2)/(x-1)/(x^4+20x^3+48x^2+20x+1)$  lgdogf  
A059827 5.77390 [  $-(x^4+20x^3+48x^2+20x+1)/(x-1)^7$  ogf]  
A059830 5.00479 [  $-(4x^6+57x^5+309x^4+274x^3+78x^2-3x+1)/(x-1)^7$  ogf]  
A059830 6.69155  $-2*(2+69x+69x^5+606x^4+1166x^3+2x^6+606x^2)/(x-1)/(4x^6+57x^5+309x^4+274x^3+78x^2-3x+1)$  lgdogf  
A059834 10.4285 [  $2x*(2x^2-3x+3)/(x-1)^4$  ogf]  
A059834 22.0630  $-(9-5x+4x^2)/(x-1)/(2x^2-3x+3)$  lgdogf  
A059834 3.82554 [  $\{(9+3n)a(n+4)+(-21-6n)a(n+3)+(5n+10)a(n+2)+(-4-2n)a(n+1), a(0) = 0, a(1) = 6, a(2) = 18, a(3) = 40\}$ , ogf]  
A059837 3.39743 [  $\{(4n^3+28n^2+64n+48)a(n+1)+(2n+6)a(n+2)+(-n-4)a(n+3), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A059838 11.9837  $-(2x^2+x-1+(-(x-1)*(x+1))^{(1/2)})/x/(x+1)/(x-1)$  lgdegf  
A059838 3.51435 [  $\{a(n)*n-a(n+1)*n+(-n-3)a(n+2)+(n+3)a(n+3), a(0) = 0, a(1) = 0, a(2) = 1/2\}$ , egf]  
A059839 3.54670 [ -  $(5x^8+296x^7+4492x^6+15332x^5+15458x^4+4408x^3+332x^2-4x+1)/(x-1)^9$  ogf]  
A059840 11.1507 [  $x^2*(x-2)/(x-1)/(x+1)/(x^2-3x+1)$  ogf]  
A059840 12.2447  $-(-5+3x^4-14x^3+18x^2)/(x-1)/(x-2)/(1+x)/(x^2-3x+1)$  lgdogf  
A059841 23.5190 [  $-1/(x-1)/(x+1)$  ogf]  
A059841 29.2959  $1/2/x*(-1+(1+4x^2)^{(1/2)})$  revogf  
A059841 45.1100 [  $[x]$  ogf\_with\_Euler\_transform]  
A059841 47.6059  $-2x/(x-1)/(x+1)$  lgdogf  
A059841 9.33292 [  $\{a(n+2)-a(n), a(0) = 1, a(1) = 0\}$ , ogf]  
A059845 14.5431 [  $x*(4x-7)/(x-1)^3$  ogf]  
A059845 34.0534  $-(-17+8x)/(x-1)/(4x-7)$  lgdogf  
A059845 7.40141 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 17\}$ , ogf]  
A059855 11.1292 [  $\{-a(n+3)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A059855 19.0786 [  $-(4x^2+2x+1)/(x-1)/(x+1)$  ogf]  
A059855 22.9107  $-2*(1+5x+x^2)/(x-1)/(1+x)/(4x^2+2x+1)$  lgdogf  
A059859 5.94191 [  $x^2*(x^4+2x^3+6x^2+2x+1)/(x+1)^3/(x-1)^6$  ogf]  
A059859 9.55605  $-(5+27x+40x^2+52x^3+15x^4+5x^5)/(x-1)/(x+1)/$

$(x^4+2x^3+6x^2+2x+1)$  lgdogf  
A059924 12.6297  $-(5+19x+23x^2+15x^3+2x^4)/(x-1)/(x+1)/(x^3+4x^2+2x+1)$   
lgdogf  
A059924 8.49685  $[2x*(x^3+4x^2+2x+1)/(x+1)/(x-1)^4$  ogf]  
A059929 13.2468  $[-x*(x-2)/(x^2-3x+1)/(x+1)$  ogf]  
A059929 13.4830  $-(3+8x+2x^3-8x^2)/(x-2)/(1+x)/(x^2-3x+1)$  lgdogf  
A059929 6.80240  $[{a(n+3)-2a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 2, a(2) = 3},$   
ogf]  
A059937 11.0890  $-3*(-3+4x)*(8x^2-12x+5)/(x-1)/(-1+2x)/(7-18x+12x^2)$  lgdogf  
A059937 3.60588  $[{(2n^2+14n+24)*a(n+1)+(-3n^2-15n-12)*a(n+2)+(n^2+3n+2)*a(n$   
 $+3), a(0) = 0, a(1) = 7, a(2) = 45},$  ogf]  
A059937 6.75627  $[x*(12x^2-18x+7)/(2x-1)^3/(x-1)^3$  ogf]  
A059938 6.35491  $[x*(8x^3-6x^2-5x+4)/(2x-1)^3/(x-1)^3$  ogf]  
A059938 9.43390  $-(-31+90x-56x^2-48x^3+48x^4)/(x-1)/(-1+2x)/(8x^3-6x^2-5x$   
 $+4)$  lgdogf  
A059944 13.8604  $[-(x+1)/(3x^2-1)$  egf]  
A059944 18.5500  $-(1+6x+3x^2)/(x+1)/(3x^2-1)$  lgdegf  
A059945 10.0003  $-(39-376x+972x^4-1872x^3+1287x^2)/(x-1)/(6x-1)/(3x-1)/$   
 $(2x-1)/(9x-4)$  lgdogf  
A059945 10.3613  $[-x^2*(9x-4)/(x-1)/(6x-1)/(3x-1)/(2x-1)$  ogf]  
A059946 6.40091  $[x^3*(288x^2-178x+25)/(x-1)/(6x-1)/(4x-1)/(3x-1)/(2x-1)/$   
 $(10x-1)$  ogf]  
A059947 4.40368  $[-x^3*(16800x^4-11362x^3+2237x^2-112x-3)/(x-1)/(6x-1)/$   
 $(7x-1)/(3x-1)/(15x-1)/(2x-1)/(10x-1)/(4x-1)$  ogf]  
A059952 10.7761  $[-(26x-27)/(x+1)/(x-1)^2$  ogf]  
A059952 14.4220  $-(-1-55x+52x^2)/(-1+x)/(26x-27)/(x+1)$  lgdogf  
A059952 5.19900  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 27, a(1) = 1, a(2) = 28},$   
ogf]  
A059953 10.6830  $-(-27+23x+26x^3-26x^2)/(-1+x)/(x+1)/(26x^2-26x-1)$  lgdogf  
A059953 5.24501  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 27, a(2) = 2},$   
ogf]  
A059953 9.40771  $[-(26x^2-26x-1)/(x+1)/(x-1)^2$  ogf]  
A059967 59.8122  $x/(x+1)^9$  revogf  
A059968 55.5309  $x/(x+1)^{10}$  revogf  
A059973 11.9087  $-(-1-4x+4x^5-4x^3-3x^4-4x^2)/(x-1)/(2x+1)/(x^4+4x^2-1)$   
lgdogf  
A059973 12.0821  $[x*(2x+1)*(x-1)/(x^4+4x^2-1)$  ogf]  
A059977 4.14353  $[-(x^6+72x^5+603x^4+1168x^3+603x^2+72x+1)/(x-1)^9$  ogf]  
A059977 6.29379  $-3*(27+594x+x^6+98x^5+2575x^2+3140x^3+1125x^4)/(x-1)/$   
 $(x^6+72x^5+603x^4+1168x^3+603x^2+72x+1)$  lgdogf  
A059986 12.0453  $[6x*(x+2)/(x-1)^4$  ogf]  
A059986 39.2001  $-3*(x+3)/(x+2)/(x-1)$  lgdogf  
A059986 5.23022  $[{(4+2n)*a(n+3)+(-10-n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) =$   
 $12, a(2) = 54},$  ogf]  
A059988 3.58676  $[{a(n+3)-111a(n+2)+1110a(n+1)-1000a(n), a(0) = 0, a(1) = 81,$   
 $a(2) = 9801},$  ogf]  
A059988 6.48781  $[-81x*(10x+1)/(x-1)/(100x-1)/(10x-1)$  ogf]  
A059988 6.56783  $-(-121-2220x+20000x^3-8100x^2)/(x-1)/(10x+1)/(100x-1)/$   
 $(10x-1)$  lgdogf  
A059989 10.9470  $-3*(65-130x+x^2)/(x-1)/(x^2-194x+1)$  lgdogf  
A059989 11.8758  $[-56x/(x-1)/(x^2-194x+1)$  ogf]  
A059989 4.94823  $[{a(n+3)-195a(n+2)+195a(n+1)-a(n), a(0) = 0, a(1) = 56, a(2) =$   
 $10920},$  ogf]  
A059993 13.1915  $[(3x^2-6x-1)/(x-1)^3$  ogf]  
A059993 23.2141  $-3*(1+x)*(x-3)/(x-1)/(3x^2-6x-1)$  lgdogf  
A059993 7.12107  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 9, a(2) = 21},$   
ogf]  
A059995 10.8317  $-((1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+11x^9)/(x-1)/(1+x)/$   
 $(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
A059995 21.2776  $[x^{10}/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A059997 12.0275  $[-(5x-14)/(x-1)^4$  ogf]

A059997 28.1214  $-3*(5*x-17)/(x-1)/(5*x-14)$  lgdogf  
A059997 4.68997  $[ \{ (-14*n-42)*a(n+3)+(89+19*n)*a(n+2)+(-20-5*n)*a(n+1), a(0) = 14, a(1) = 51, a(2) = 120 \},$  ogf]  
A059999 5.90790  $[ -(14*x^5+14*x^4-18*x^3+17*x^2-9*x+2)/(x-1)^6$  ogf]  
A059999 8.60679  $-(3-11*x+14*x^2+2*x^3+98*x^4+14*x^5)/(x-1)/$   
 $(14*x^5+14*x^4-18*x^3+17*x^2-9*x+2)$  lgdogf  
A060008 11.8366  $[ -9*x^4/(x-1)^5$  ogf]  
A060008 5.48313  $[ \{ (-2+n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 9 \},$  ogf]  
A060008 93.2132  $-5/(x-1)$  lgdogf  
A060013 11.4066  $[ -(x^2-x+1)*(2*x^3+2*x^2-1)/(2*x-1)/(x-1)$  ogf]  
A060013 9.09093  $(-2+6*x+12*x^6-24*x^5+10*x^4-5*x^2)/(x-1)/(2*x-1)/(x^2-x+1)/$   
 $(2*x^3+2*x^2-1)$  lgdogf  
A060022 10.1561  $[ (x^3+x-1)/(x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A060022 15.9224  $-x*(-2+4*x^4+3*x^5+4*x^2+9*x^3)/(x-1)/(x+1)/(x^2+x+1)/(x^3+x-1)$   
lgdogf  
A060023 10.0422  $-x*(-2+8*x^4+6*x^8+7*x^7+10*x^6+17*x^5-3*x-2*x^2+7*x^3)/(x-1)/(x$   
 $+1)/(x^2+1)/(x^2+x+1)/(x^4+x-1)$  lgdogf  
A060023 8.89321  $[ -(x^4+x-1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A060024 5.93709  $[ (x^2-x+1)*(x^3+x^2-1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x$   
 $+1)^2/(x-1)^5$  ogf]  
A060025 5.22048  $[ -(x^6+x-1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x^2+x+1)^2/(x$   
 $+1)^3/(x-1)^6$  ogf]  
A060060 14.7032  $-(61+174*x+45*x^2)/(x-1)/(9*x^2+26*x+5)$  lgdogf  
A060060 5.98427  $[ -(9*x^2+26*x+5)/(x-1)^7$  ogf]  
A060061 7.64582  $-(1385+9333*x+1575*x^3+10107*x^2)/(x-1)/(225*x^3+1179*x^2+775*x$   
 $+61)$  lgdogf  
A060062 7.07403  $-(50521+618828*x+915660*x^3+99225*x^4+1518966*x^2)/(x-1)/$   
 $(11025*x^4+87156*x^3+114318*x^2+32516*x+1385)$  lgdogf  
A060091 13.3932  $-3*(-21+39*x+6*x^3-26*x^2)/(x-1)/(6*x^3-24*x^2+33*x-16)$  lgdogf  
A060091 4.51365  $[ \{ -6*n*a(n)+(n^2+24*n+11)*a(n+1)+(-n^2-13*n+14)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 16 \},$  ogf]  
A060091 6.91812  $[ -x^3*(6*x^3-24*x^2+33*x-16)/(x-1)^6$  ogf]  
A060093 3.47592  $[ x^4*(24*x^6-180*x^5+570*x^4-980*x^3+970*x^2-528*x+125)/$   
 $(x-1)^{10}$  ogf]  
A060093 5.67124  $-2*(361-1406*x+48*x^6+2410*x^2-2290*x^3+1260*x^4-378*x^5)/(x-1)/$   
 $(24*x^6-180*x^5+570*x^4-980*x^3+970*x^2-528*x+125)$  lgdogf  
A060099 36.3025  $-2*(2+5*x)/(x-1)/(x+1)$  lgdogf  
A060099 38.4545  $[[4+3*x]$  ogf\_with\_Euler\_transform]  
A060099 5.98022  $[ \{ (n+3)*a(n+3)-4*a(n+2)+(-11-n)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 13 \},$  ogf]  
A060099 8.84033  $[ -1/(x+1)^3/(x-1)^7$  ogf]  
A060100 26.6177  $-(5+13*x)/(x-1)/(x+1)$  lgdogf  
A060100 36.7749  $[[5+4*x]$  ogf\_with\_Euler\_transform]  
A060100 5.72516  $[ \{ (n+3)*a(n+3)-5*a(n+2)+(-14-n)*a(n+1), a(0) = 1, a(1) = 5, a(2) = 19 \},$  ogf]  
A060100 5.94368  $[ -1/(x+1)^4/(x-1)^9$  ogf]  
A060101 26.3547  $-2*(3+8*x)/(x-1)/(x+1)$  lgdogf  
A060101 36.8029  $[[6+5*x]$  ogf\_with\_Euler\_transform]  
A060101 5.06313  $[ -1/(x+1)^5/(x-1)^{11}$  ogf]  
A060101 5.73325  $[ \{ (n+3)*a(n+3)-6*a(n+2)+(-17-n)*a(n+1), a(0) = 1, a(1) = 6, a(2) = 26 \},$  ogf]  
A060103 16.1884  $-(13+38*x+5*x^2)/(x-1)/(1+6*x+x^2)$  lgdogf  
A060103 5.81020  $[ -(x^2+6*x+1)/(x-1)^7$  ogf]  
A060104 13.7158  $-(19+90*x+35*x^2)/(x-1)/(5*x^2+10*x+1)$  lgdogf  
A060104 4.52468  $[ -(5*x^2+10*x+1)/(x-1)^9$  ogf]  
A060105 15.1948  $-2*(13+90*x+4*x^3+69*x^2)/(x-1)/(1+x)/(x^2+14*x+1)$  lgdogf  
A060105 4.17876  $[ \{ (2*n^2+37*n+171)*a(n+1)+(-4*n^2-48*n-106)*a(n+2)+(2*n^2+11*n$   
 $+15)*a(n+3), a(0) = 1, a(1) = 26, a(2) = 246 \},$  ogf]  
A060105 5.05275  $[ -(x+1)*(x^2+14*x+1)/(x-1)^{11}$  ogf]  
A060106 10.0022  $[ (x^5+2*x^4+3*x^3+2*x^2+3*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]

A060106 7.31298  $-(4+8*x+14*x^6+23*x^5+15*x^2+17*x^3+21*x^4+5*x^8+12*x^7+x^9)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+2*x^4+3*x^3+2*x^2+3*x+1)$  lgdogf  
A060107 9.09153  $[x*(2*x^6+2*x^5+x^4+2*x^3+2*x^2+x+2)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A060150 5.91262  $[{(16*n^2+16*n+4)*a(n)+(-n^2-2*n-1)*a(n+1), a(0) = 1, a(1) = 1},$  ogf]  
A060153 4.10527  $[-x*(x-2)/(2*x-1)/(x-1)$  ogf]  
A060153 5.50452  $-(5-8*x+2*x^2)/(-1+x)/(x-2)/(2*x-1)$  lgdogf  
A060157 10.2883  $-(29+141*x-216*x^2+108*x^3)/(6*x-5)/(x-1)/(-1+3*x)/(2*x-1)$  lgdogf  
A060157 8.93539  $[-2*x*(6*x-5)/(3*x-1)/(2*x-1)/(x-1)^2$  ogf]  
A060158 7.18244  $[4*x^5*(24*x^2-29*x+8)/(4*x-1)/(3*x-1)/(2*x-1)^2/(x-1)^2$  ogf]  
A060160 6.80943  $-(11-64*x-448*x^5+432*x^4-224*x^3+140*x^2+128*x^6)/(x-1)/(2*x-1)/(4*x^2+2*x-1)/(16*x^3-28*x^2+6*x+1)$  lgdogf  
A060160 8.78449  $[-(16*x^3-28*x^2+6*x+1)/(2*x-1)/(x-1)/(4*x^2+2*x-1)$  ogf]  
A060161 10.0808  $[-(4*x^3-7*x^2+x+1)/(2*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A060161 8.96752  $-(5-22*x+8*x^6-28*x^5+29*x^4-26*x^3+33*x^2)/(x-1)/(2*x-1)/(x^2+x-1)/(4*x^3-7*x^2+x+1)$  lgdogf  
A060163 10.8121  $[x*(4*x^2-5*x+2)/(x-1)^4$  ogf]  
A060163 22.8744  $-(3-7*x+8*x^2)/(x-1)/(4*x^2-5*x+2)$  lgdogf  
A060163 4.00650  $[{(6+2*n)*a(n+4)+(-17-7*n)*a(n+3)+(16+9*n)*a(n+2)+(-8-4*n)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 3, a(3) = 4},$  ogf]  
A060182 11.4567  $(-5+4*x+7*x^2-6*x^3+2*x^4)/(x-1)/(-1+2*x)/(x+1)/(x^2-x-1)$  lgdogf  
A060182 12.5780  $[-(x+1)*(x^2-x-1)/(2*x-1)/(x-1)$  ogf]  
A060182 5.74685  $[{a(n+4)-3*a(n+3)+2*a(n+2), a(0) = 1, a(1) = 5, a(2) = 13, a(3) = 28},$  ogf]  
A060183 3.44131  $[{a(n+3)-102*a(n+2)+201*a(n+1)-100*a(n), a(0) = 1, a(1) = 8, a(2) = 744},$  ogf]  
A060183 5.89939  $[-(129*x^2-94*x+1)/(100*x-1)/(x-1)^2$  ogf]  
A060183 6.29214  $-4*(-2+34*x+3225*x^3-1475*x^2)/(-1+x)/(100*x-1)/(129*x^2-94*x+1)$  lgdogf  
A060188 11.8431  $[-(x+1)/(3*x-1)/(x-1)^2$  ogf]  
A060188 16.1791  $-2*(-3+4*x+3*x^2)/(x-1)/(-1+3*x)/(x+1)$  lgdogf  
A060188 5.55471  $[{a(n+3)-5*a(n+2)+7*a(n+1)-3*a(n), a(0) = 1, a(1) = 6, a(2) = 23},$  ogf]  
A060189 5.55518  $[-(9*x^3+17*x^2-9*x-1)/(5*x-1)/(3*x-1)^2/(x-1)^3$  ogf]  
A060189 6.43910  $-(23+69*x+382*x^2-1370*x^3+921*x^4+405*x^5)/(x-1)/(3*x-1)/(5*x-1)/(9*x^3+17*x^2-9*x-1)$  lgdogf  
A060195 11.9221  $-1/256*(-24*x-1+(64*x^2+48*x+1)^(1/2))/x$  revogf  
A060195 13.5549  $[1/(16*x-1)/(8*x-1)$  ogf]  
A060195 15.3834  $-8*(-3+32*x)/(-1+16*x)/(-1+8*x)$  lgdogf  
A060195 5.67414  $[{-a(n+2)+24*a(n+1)-128*a(n), a(0) = 1, a(1) = 24},$  ogf]  
A060197 11.5795  $(-3-2*x-30*x^29+29*x^30+3*x^4-4*x^3+x^2+9*x^10-10*x^9)/(x-1)/(x^30+x^10+x^4+x^2+x+2)$  lgdogf  
A060197 13.9619  $[-(x^30+x^10+x^4+x^2+x+2)/(x-1)$  ogf]  
A060242 6.92117  $-(15-156*x+1024*x^5-960*x^4-256*x^3+480*x^2)/(x-1)/(8*x-1)/(-1+2*x)/(-1+4*x)/(-1+8*x^2)$  lgdogf  
A060242 8.60745  $[-3*x*(8*x^2-1)/(x-1)/(8*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A060248 8.05969  $2*(5-3*x+630*x^6+3*x^2-7*x^3+3*x^4+540*x^8-1170*x^7)/(x-1)/(180*x^8-180*x^7+3*x^4-2*x^3+6*x^2-6*x-2)$  lgdogf  
A060248 9.23427  $[-(180*x^8-180*x^7+3*x^4-2*x^3+6*x^2-6*x-2)/(x-1)^2$  ogf]  
A060249 6.40466  $(-1-3*x+30*x^7-90*x^6+90*x^5+3*x^2-x^3-30*x^4)/(x-1)/(6*x^7-12*x^6+6*x^5-x^3+2*x^2-x+1)$  lgdegf  
A060249 6.61848  $[ (6*x^7-12*x^6+6*x^5-x^3+2*x^2-x+1)/(x-1)^2$  egf]  
A060275 11.2552  $[-(x^5-x^4+x^3-x^2+12*x-13)/(x-1)^2$  ogf]  
A060275 13.4189  $(14-10*x+3*x^5+5*x^3-7*x^4-3*x^2)/(x-1)/(x^5-x^4+x^3-x^2+12*x-13)$  lgdogf  
A060285 15.0921  $[-(2*x^2-3*x)/(x^2-2*x+1)$  ogf\_with\_Euler\_transform]  
A060296 16.1877  $(1-4*x+12*x^5-18*x^4-8*x^3+20*x^2)/(x-1)/(3*x^5-x^4-6*x^3+2*x^2-1)$  lgdogf  
A060296 16.6549  $[ (3*x^5-x^4-6*x^3+2*x^2-1)/(x-1)$  ogf]

A060300 20.1946  $-3*(3+6*x+x^2)/(x-1)/(x^2+4*x+1)$  lgdogf  
A060300 7.63293  $[-16*x*(x^2+4*x+1)/(x-1)^5$  ogf]  
A060311 38.1228  $\exp(2*x)-\exp(x)$  lgdegf  
A060312 6.43821  $[-(x^7+x^6+x^5+2*x^4-x^3+x^2-1)/(x^2+x-1)/(x^4+x^2-1)$  ogf]  
A060312 6.60155  $(-1-2*x+5*x^4+10*x^3+x^12+2*x^11-6*x^8-14*x^7-5*x^6-x^2)/$   
 $(x^2+x-1)/(x^4+x^2-1)/(x^7+x^6+x^5+2*x^4-x^3+x^2-1)$  lgdogf  
A060337 3.29919  $[-(280*x^5-300*x^4-138*x^3+287*x^2-117*x+15)/(x-1)^3/(2*x-1)^3/$   
 $(4*x-1)^3$  ogf]  
A060344 11.0265  $[2*(4*x^4-6*x^3-4*x^2-x-1)/(2*x-1)$  ogf]  
A060344 11.1673  $(3+8*x-40*x^3+24*x^4+10*x^2)/(2*x-1)/(4*x^4-6*x^3-4*x^2-x-1)$   
lgdogf  
A060344 6.15893  $[{-a(n+5)+2*a(n+4), a(0) = 2, a(1) = 6, a(2) = 20, a(3) = 52,$   
 $a(4) = 96}$ ], ogf]  
A060352 11.0630  $-(17-27*x-9*x^2+27*x^3)/(x-1)/(3*x-1)/(3*x+1)/(3*x-2)$  lgdogf  
A060352 5.20764  $[{-a(n+3)+7*a(n+2)-15*a(n+1)+9*a(n), a(0) = 2, a(1) = 17, a(2) =$   
 $80}$ ], ogf]  
A060352 9.65934  $[(3*x+1)*(3*x-2)/(x-1)/(3*x-1)^2$  ogf]  
A060354 10.2402  $[x*(4*x^2-2*x+1)/(x-1)^4$  ogf]  
A060354 21.6565  $-2*(1+x+4*x^2)/(x-1)/(4*x^2-2*x+1)$  lgdogf  
A060354 3.83351  $[{(n+3)*a(n+4)+(-8-3*n)*a(n+3)+(4+6*n)*a(n+2)+(-8-4*n)*a(n+1),$   
 $a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6}$ ], ogf]  
A060365 22.2988  $1/1000*\ln(1+1000*x)$  revegf  
A060365 24.9222  $-1000/(-1+1000*x)$  lgdogf  
A060366 18.9834  $[-1/(1000*x-1)$  ogf]  
A060366 23.4742  $1/1000*\ln(1+1000*x)$  revegf  
A060366 26.2358  $-1000/(-1+1000*x)$  lgdogf  
A060366 8.28365  $[{a(n+1)-1000*a(n), a(0) = 1}$ ], ogf]  
A060376 4.40598  $[$   
 $(8589934593*x^34-8589934593*x^33+262145*x^19-262145*x^18+513*x^10-513*x^9+129*x^$   
 $8-64*x^7-32*x^6-16*x^5-8*x^4-4*x^3-2*x^2-x-1)/(x-1)$  ogf]  
A060384 7.75643  $[-(x^41-x^40-x^26+x^24-x^21-x^17-x^12-x^7-1)/(x+1)/(x^2+1)/$   
 $(x^4+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x^8-x^4+1)/(x-1)^2$  ogf]  
A060386 6.14812  $[-(19*x^9+83*x^8+7*x^7+61*x^6+5*x^5+41*x^4+3*x^3+2*x^2+11*x$   
 $+101)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A060405 11.3188  $[-(x^2+4*x-2)/(x^2+x-1)/(x^2+2*x-1)$  ogf]  
A060405 9.66913  $-(2-2*x+2*x^5+15*x^4+16*x^3-15*x^2)/(x^2+4*x-2)/(x^2+x-1)/$   
 $(-1+2*x+x^2)$  lgdogf  
A060416 4.42222  $[{-a(n+4)+9*a(n+3)-24*a(n+2)+16*a(n+1), a(0) = 1, a(1) = 3, a(2)$   
 $= 31, a(3) = 191}$ ], ogf]  
A060416 8.29923  $[(32*x^3-28*x^2+6*x-1)/(x-1)/(4*x-1)^2$  ogf]  
A060416 9.89133  $-(3+20*x-76*x^2+80*x^3)/(x-1)/(-1+4*x)/(32*x^3-28*x^2+6*x-1)$   
lgdogf  
A060422 13.0407  $-2*x*(5+5*x^2-2*x)/(-1+x)/(x+1)/(2*x^2-x+1)$  lgdogf  
A060422 5.55197  $[x^3*(2*x^2-x+1)/(x+1)^3/(x-1)^4$  ogf]  
A060423 23.4619  $-6*(1+6*x+x^2)/(x+5)/(x-1)/(x+1)$  lgdogf  
A060423 3.87010  $[{(-n^2-5*n-6)*a(n+1)+(-n-3)*a(n+2)+(n^2-4)*a(n+3), a(0) = 0,$   
 $a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 5}$ ], ogf]  
A060423 8.03149  $[x^5*(x+5)/(x+1)^3/(x-1)^4$  ogf]  
A060432 22.8378  $[-(3+2*x)/(-x-1)$  ogf\_with\_Euler\_transform]  
A060446 11.1021  $-2*(4+11*x+15*x^2+5*x^3+x^4)/(-1+x)/(x^4+2*x^3+6*x^2+2*x+1)$   
lgdogf  
A060446 6.16131  $[x*(x^4+2*x^3+6*x^2+2*x+1)/(x-1)^6$  ogf]  
A060452 6.62034  $[-x*(x^8+5*x^7+26*x^6+39*x^5+66*x^4+39*x^3+26*x^2+5*x+1)/(x$   
 $+1)^6/(x-1)^7$  ogf]  
A060453 6.26233  $[2*x*(2*x^4+5*x^3+10*x^2+5*x+2)/(x+1)^3/(x-1)^6$  ogf]  
A060453 9.29677  $-(11+53*x+10*x^5+85*x^2+93*x^3+36*x^4)/(x-1)/(x+1)/$   
 $(2*x^4+5*x^3+10*x^2+5*x+2)$  lgdogf  
A060455 6.04164  $[(5*x^6+4*x^5+3*x^4+2*x^3+x^2-1)/(x^7+x^6+x^5+x^4+x^3+x^2+x-1)$   
ogf]  
A060458 15.0942  $-1/10*(-2-3*x+2*(1+3*x+x^2)^(1/2))/x$  revogf  
A060458 15.8557  $[8/(10*x-1)/(2*x-1)$  ogf]



A060458 18.1130  $-4*(-3+10*x)/(10*x-1)/(-1+2*x)$  lgdogf  
A060458 6.52884  $[{-a(n+2)+12*a(n+1)-20*a(n), a(0) = 8, a(1) = 96}]$ , ogf]  
A060459 10.6199  $-3*(9+72*x+100*x^2+28*x^3+x^4)/(x-1)/(x^4+20*x^3+48*x^2+20*x+1)$  lgdogf  
A060459 5.51986  $[-8*x*(x^4+20*x^3+48*x^2+20*x+1)/(x-1)^7$  ogf]  
A060460 10.5697  $-2*(-6+25*x+5*x^3-40*x^2)/(x-1)/(5*x-1)/(2*x^2-9*x+3)$  lgdogf  
A060460 4.97713  $[{a(n+3)-7*a(n+2)+11*a(n+1)-5*a(n), a(0) = 3, a(1) = 12, a(2) = 53}]$ , ogf]  
A060460 9.23177  $[-(2*x^2-9*x+3)/(5*x-1)/(x-1)^2$  ogf]  
A060464 6.75779  $-2*(2*x+6*x^4+5*x^3+x^12+2*x^11+3*x^10+9*x^9+6*x^8+7*x^7+8*x^6+7*x^5+6*x^2+1)/(x-1)/(x^3+x^2+1)/(x^3+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A060464 9.25877  $[x*(x^3+x^2+1)*(x^3+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A060469 7.30992  $[(2*x^10+x^8+x^7+2*x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A060470 8.33519  $[(2*x^12+x^9+x^8+x^7+x^6+x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A060471 7.18352  $[(2*x^16+x^12+x^11+x^10+x^9+x^8+x^3+x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A060482 10.8716  $(2+2*x+4*x^6-8*x^5-3*x^2+4*x^3-4*x^4)/(x-1)/(2*x^2-1)/(2*x^4-x^2+x+1)$  lgdogf  
A060482 11.0869  $[(2*x^4-x^2+x+1)/(x-1)/(2*x^2-1)$  ogf]  
A060482 5.31247  $[{a(n+4)-a(n+3)-2*a(n+2)+2*a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5, a(4) = 9}]$ , ogf]  
A060483 10.5758  $[3*(2*x+1)/(x-1)/(4*x-1)/(2*x-1)/(10*x-1)$  ogf]  
A060483 8.90938  $-(-19+168*x-276*x^2-272*x^3+480*x^4)/(x-1)/(-1+4*x)/(2*x+1)/(-1+2*x)/(10*x-1)$  lgdogf  
A060484 4.73253  $[-(800*x^3+448*x^2-50*x-1)/(x-1)/(4*x-1)/(20*x-1)/(2*x-1)/(8*x-1)/(10*x-1)$  ogf]  
A060488 13.6041  $[-(3*x-4)/(x-1)^4$  ogf]  
A060488 33.9427  $-(-13+9*x)/(x-1)/(3*x-4)$  lgdogf  
A060488 5.35388  $[{(4*n+12)*a(n+3)+(-27-7*n)*a(n+2)+(12+3*n)*a(n+1), a(0) = 4, a(1) = 13, a(2) = 28}]$ , ogf]  
A060489 3.84832  $[(9*x^7-50*x^6+90*x^5-225*x^3+342*x^2-225*x+60)/(x-1)^10$  ogf]  
A060489 5.67458  $-(375-1341*x+150*x^5+450*x^4-1575*x^3-137*x^6+2061*x^2+27*x^7)/(x-1)/(9*x^7-50*x^6+90*x^5-225*x^3+342*x^2-225*x+60)$  lgdogf  
A060493 12.4715  $-(21+126*x+16*x^3+117*x^2)/(x-1)/(4*x^3+21*x^2+14*x+1)$  lgdogf  
A060493 3.61542  $[{(-72*n^2-684*n-1620)*a(n+1)+(74*n^2+277*n+321)*a(n+2)+(-2*n^2-13*n-21)*a(n+3), a(0) = 1, a(1) = 21, a(2) = 147}]$ , ogf]  
A060493 6.41990  $[-(4*x^3+21*x^2+14*x+1)/(x-1)^7$  ogf]  
A060521 10.6943  $-(6+10*x+17*x^2-7*x^4+x^6)/(x^3-4*x-1)/(x^4-5*x^2-2*x+1)$  lgdogf  
A060521 9.86163  $[-6*(x^3-4*x-1)/(x^4-5*x^2-2*x+1)$  ogf]  
A060531 13.0103  $-(9-160*x+720*x^2)/(9*x-1)/(8*x-1)/(10*x-1)$  lgdogf  
A060531 14.3447  $-1/2*(-18*x-1+(4*x^2+1)^(1/2))/(80*x+9)$  revogf  
A060531 15.2226  $[-(9*x-1)/(10*x-1)/(8*x-1)$  ogf]  
A060531 8.51740  $[{a(n+2)-18*a(n+1)+80*a(n), a(0) = 1, a(1) = 9}]$ , ogf]  
A060532 4.75543  $[x*(2*x^5+101*x^4+164*x^3+82*x^2+10*x+1)/(x-1)^8$  ogf]  
A060532 7.99844  $-6*(3+39*x+x^5+69*x^4+204*x^3+164*x^2)/(x-1)/(2*x^5+101*x^4+164*x^3+82*x^2+10*x+1)$  lgdogf  
A060533 5.81254  $3*(x^2-x+1)*(4*x^5-10*x^4+4*x^3+5*x^2-3*x+1)/(-1+x)/(3*x^7-7*x^6+6*x^5+3*x^4-11*x^3+6*x^2-1)$  lgdogf  
A060533 8.26468  $[(3*x^7-7*x^6+6*x^5+3*x^4-11*x^3+6*x^2-1)/(x-1)^3$  ogf]  
A060534 4.48223  $[-(4*x^12-12*x^11+6*x^10+50*x^9-180*x^8+282*x^7-208*x^6+30*x^5+72*x^4-62*x^3+18*x^2-1)/(x-1)^6$  ogf]  
A060541 12.8989  $-10*(7*x+1)*(x+7)*(1+x)/(x-1)/(35*x^3+155*x^2+65*x+1)$  lgdogf  
A060541 3.55738  $[{(-124*n^2-721*n-1047)*a(n+1)+(168*n^2+630*n+1218)*a(n+2)+(-44*n^2-229*n-291)*a(n+3), a(0) = 1, a(1) = 70, a(2) = 495}]$ , ogf]  
A060541 7.66204  $[-(35*x^3+155*x^2+65*x+1)/(x-1)^5$  ogf]  
A060542 4.11487  $[{(27*n^2+135*n+168)*a(n+1)+(-n^2-6*n-9)*a(n+2), a(0) = 1, a(1) = 15}]$ , ogf]  
A060544 13.3061  $[-(x^2+7*x+1)/(x-1)^3$  ogf]

A060544 24.8862  $-(10+16*x+x^2)/(x-1)/(x^2+7*x+1)$  lgdogf  
A060544 7.11993  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 10, a(2) = 28}],$  ogf]  
A060546 12.0890  $[{-a(n+2)+2*a(n), a(0) = 2, a(1) = 2}],$  ogf]  
A060546 18.5060  $-1/2*2^{(1/2)}*(\ln(1+2^{(1/2)})-\operatorname{arcsinh}(1+x))$  revegef  
A060546 18.8707  $[-2*(x+1)/(2*x^2-1)$  ogf]  
A060546 24.4757  $-(1+4*x+2*x^2)/(x+1)/(-1+2*x^2)$  lgdogf  
A060547 10.2928  $[{a(n+3)-2*a(n), a(0) = 2, a(1) = 1, a(2) = 2}],$  ogf]  
A060547 15.6467  $-(1+4*x+4*x^3+4*x^4+12*x^2)/(2*x^2+x+2)/(2*x^3-1)$  lgdogf  
A060547 15.9644  $[-(2*x^2+x+2)/(2*x^3-1)$  ogf]  
A060548 11.7483  $[-(2*x^5+2*x^4+2*x^3+2*x^2+x+2)/(2*x^6-1)$  ogf]  
A060548 7.78755  $-(1+4*x$   
 $+10*x^6+24*x^5+6*x^2+8*x^3+10*x^4+12*x^8+16*x^7+4*x^10+8*x^9)/$   
 $(2*x^5+2*x^4+2*x^3+2*x^2+x+2)/(2*x^6-1)$  lgdogf  
A060549 6.37603  
 $-2*(-1-10*x^6+16*x^11-2*x-4*x^3-5*x^2-2*x^5-4*x^9+20*x^10+16*x^7+22*x^8+2*x^4)/$   
 $(-1+2*x^2)/(2*x^6-1)/(2*x^4+2*x^3+2*x+1)$  lgdogf  
A060549 9.99948  $[x*(2*x^4+2*x^3+2*x+1)/(2*x^2-1)/(2*x^6-1)$  ogf]  
A060550 10.0212  $[x^3*(x^2+x+1)*(x^2-x+1)/(2*x^3-1)/(2*x^6-1)$  ogf]  
A060550 6.83689  $-2*x*(-1+x^5+18*x^7-4*x^6-3*x-2*x^2-$   
 $x^3-6*x^4+14*x^9+10*x^11-2*x^8)/(2*x^3-1)/(2*x^6-1)/(x^2-x+1)/(x^2+x+1)$  lgdogf  
A060551 4.64746  $[-6*x^3*(2*x^6+2*x^5-x^4+2*x^3-x^2-1)/(2*x-1)/(2*x^2-1)/$   
 $(2*x^3-1)/(2*x^6-1)$  ogf]  
A060552 3.73076  $[-x^3*(2*x^6+2*x^5-x^4+2*x^3-x^2-1)/(2*x-1)/(2*x^2-1)/$   
 $(2*x^3-1)/(2*x^6-1)$  ogf]  
A060553 7.24117  $[-2*(4*x^5+x^4-x^3-2*x^2-x+1)/(2*x^3-1)/(2*x-1)/(2*x^2-1)$  ogf]  
A060554 5.39450  $441-1260*x+900*x^2+(-42+522*x$   
 $+600*x^3-1080*x^2)*f(x)+(100*x^4+141*x^2+1-22*x-220*x^3)*f(x)^2$  lgdogf  
A060555 5.51437  $144-720*x+900*x^2+(-24+324*x$   
 $+600*x^3-900*x^2)*f(x)+(100*x^4+141*x^2+1-22*x-220*x^3)*f(x)^2$  lgdogf  
A060557 12.1044  $-(3+7*x+x^3-3*x^2)/(x-1)/(x^3-6*x^2+5*x-1)$  lgdogf  
A060557 4.71711  $[{a(n+3)-5*a(n+2)+6*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 10}],$   
ogf]  
A060557 8.73825  $[-(x-1)^2/(x^3-6*x^2+5*x-1)$  ogf]  
A060558 15.7033  $-(x+11)*(7*x+5)/(x-1)/(x^2+10*x+5)$  lgdogf  
A060558 4.63242  $[-(x^2+10*x+5)/(x-1)^9$  ogf]  
A060559 15.1376  $-(43+106*x+27*x^2)/(x-1)/(x+3)/(3*x+1)$  lgdogf  
A060559 4.08291  $[-(x+3)*(3*x+1)/(x-1)^11$  ogf]  
A060560 4.00398  $[-x*(13*x^6+258*x^5+1014*x^4+949*x^3+264*x^2+21*x+1)/(x-1)^9$   
ogf]  
A060560 5.88177  $-3*(10+232*x+370*x^5+2120*x^4+3250*x^3+13*x^6+1565*x^2)/(x-1)/$   
 $(13*x^6+258*x^5+1014*x^4+949*x^3+264*x^2+21*x+1)$  lgdogf  
A060561 3.18276  $[x*(x^8+36*x^7+804*x^6+4844*x^5+8790*x^4+4844*x^3+804*x^2+36*x$   
 $+1)/(x-1)^10$  ogf]  
A060566 11.9849  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1601, a(1) = 1523, a(2) = 1447}],$  ogf]  
A060566 15.8792  $-(1447-3042*x+1601*x^2)/(x-1)/(1601*x^2-3122*x+1523)$  lgdogf  
A060566 20.7167  $[-(1681*x^2-3280*x+1601)/(x-1)^3$  ogf]  
A060569 11.5594  $[-(5*x^3+5*x^2-17*x-13)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A060569 8.36275  $-(17+146*x+5*x^6+10*x^5-21*x^4-52*x^3+87*x^2)/(x^2-2*x-1)/$   
 $(x^2+2*x-1)/(5*x^3+5*x^2-17*x-13)$  lgdogf  
A060576 11.8872  $[{-a(n+3)+a(n+2), a(0) = 1, a(1) = 0, a(2) = 1}],$  ogf]  
A060576 21.9253  $[-(x^2-x+1)/(x-1)$  ogf]  
A060576 33.9521  $[-x^5+x^2+x$  ogf\_with\_Euler\_transform]  
A060576 42.2903  $x*(x-2)/(x-1)/(x^2-x+1)$  lgdogf  
A060577 11.3517  $(1+4*x+4*x^5-8*x^2+16*x^3-14*x^4)/(x-1)/$   
 $(2*x^5-4*x^4+4*x^3-4*x^2+2*x-1)$  lgdogf  
A060577 9.66882  $[(2*x^5-4*x^4+4*x^3-4*x^2+2*x-1)/(x-1)^3$  ogf]  
A060578 5.01651  $[-(8*x^9-36*x^8+66*x^7-70*x^6+51*x^5-24*x^4+8*x^3-6*x^2+3*x-1)/$   
 $(x-1)^6$  ogf]  
A060578 5.86413  $3*(1-x-154*x^6+123*x^5+24*x^3-69*x^4-48*x^8+118*x^7+8*x^9)/$

$(x-1)/(8*x^9-36*x^8+66*x^7-70*x^6+51*x^5-24*x^4+8*x^3-6*x^2+3*x-1)$  lgdogf  
A060584 11.3480 [  $-x*(x^4+1)/(x-1)/(x^6+x^3+1)$  ogf]  
A060584 13.3244  $-(1-6*x^5-3*x^4+8*x^3-3*x^2+8*x^6+3*x^{10}-2*x^9)/(x-1)/(x^6+x^3+1)$  lgdogf  
A060584 18.3711 [  $x^8-x^7+x^3-x^2+1$  ogf\_with\_Euler\_transform]  
A060588 7.88957 [  $-x*(2*x^5-2*x^4+x^3+x^2-x+2)/(x-1)/(x^6+x^3+1)$  ogf]  
A060588 9.26360  $-(1+2*x-18*x^5+12*x^4-4*x^2+18*x^6-8*x^{10}+8*x^9+4*x^{11}-6*x^7)/(x-1)/(2*x^5-2*x^4+x^3+x^2-x+2)/(x^6+x^3+1)$  lgdogf  
A060589 15.5431 [  $2*x/(3*x-1)/(6*x-1)$  ogf]  
A060589 15.7163  $-1/36*(-2-9*x+(4+36*x+9*x^2)^{(1/2)})/x$  revogf  
A060589 20.7680  $-9*(-1+4*x)/(6*x-1)/(-1+3*x)$  lgdogf  
A060589 7.20289 [  $\{a(n+2)-9*a(n+1)+18*a(n), a(0) = 0, a(1) = 2\}$ , ogf]  
A060590 11.5903 [  $2*x*(2*x^2+x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A060590 8.93095  $-(-1-14*x+16*x^5+12*x^4+16*x^3-5*x^2)/(x-1)/(2*x+1)/(-1+2*x)/(1+x)/(2*x^2+x+1)$  lgdogf  
A060593 3.58311 [  $\{(-4*n^3-22*n^2-40*n-24)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A060626 13.3061 [  $2*(x^2-4*x-1)/(x-1)^3$  ogf]  
A060626 26.5452  $-(1+x)*(x-7)/(x-1)/(x^2-4*x-1)$  lgdogf  
A060626 7.11993 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 14, a(2) = 34\}$ , ogf]  
A060629 3.45558 [  $\{(-16*n^3-120*n^2-300*n-250)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 27\}$ , ogf]  
A060633 10.3747  $-(-123+16*x+153*x^2-78*x^3+2*x^4)/(x-1)/(2*x^4-43*x^3+94*x^2-43*x-16)$  lgdogf  
A060633 7.37330 [  $(2*x^4-43*x^3+94*x^2-43*x-16)/(x-1)^5$  ogf]  
A060635 7.01439  $-(4+32*x+3*x^6-65*x^2+10*x^3+5*x^4-14*x^5)/(x-1)/(x^2+3*x+1)/(x^2-7*x+1)/(x^2-x+1)$  lgdogf  
A060635 7.43244 [  $-2*(x^2-x+1)/(x-1)/(x^2+3*x+1)/(x^2-7*x+1)$  ogf]  
A060641 10.8577 [  $-(85*x^2-226*x+161)/(x-1)^3$  ogf]  
A060641 15.9558  $-(257-282*x+85*x^2)/(x-1)/(85*x^2-226*x+161)$  lgdogf  
A060641 6.07292 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 161, a(1) = 257, a(2) = 373\}$ , ogf]  
A060645 12.7840  $-(-2-9*x+2*(4*x+1)^{(1/2)}*(1+5*x)^{(1/2)})/x$  revogf  
A060645 14.0169 [  $4*x/(x^2-18*x+1)$  ogf]  
A060645 23.8247  $-2*(-9+x)/(x^2+1-18*x)$  lgdogf  
A060645 6.49565 [  $\{a(n+2)-18*a(n+1)+a(n), a(0) = 0, a(1) = 4\}$ , ogf]  
A060647 11.5040 [  $-(x^2-2*x-1)/(x-1)/(3*x^2-1)$  ogf]  
A060647 12.5025  $-(3+4*x+3*x^4-12*x^3-2*x^2)/(x-1)/(3*x^2-1)/(x^2-2*x-1)$  lgdogf  
A060647 6.26559 [  $\{a(n+3)-a(n+2)-3*a(n+1)+3*a(n), a(0) = 1, a(1) = 3, a(2) = 5\}$ , ogf]  
A060712 9.65471  $27-27*f(x)+9*f(x)^2-f(x)^3$  lgdegf  
A060725 39.7162  $-(1-x^4+x^5)/(x-1)$  lgdegf  
A060725 7.82187 [  $-(x^{10}-30*x^5+300)/(x-1)/(x^{10}+30*x^5+300)$  egf]  
A060726 3.46133 [  $-(11*x^{11}+6*x^{10}+6*x^9+204*x^8+204*x^7+204*x^6-60*x^5-2376*x^2-2376*x-2376)/(5*x^{11}-198*x^9+132*x^6+60*x^5-2376*x^3+2376)$  egf]  
A060726 31.6292  $-(1-x^5+x^6)/(x-1)$  lgdegf  
A060727 31.6292  $-(1-x^6+x^7)/(x-1)$  lgdegf  
A060727 4.44670 [  $-(13*x^{13}+7*x^{12}+7*x^{11}+7*x^{10}+7*x^9+280*x^8+280*x^7-84*x^6-3822*x-3822)/(6*x^{13}-273*x^9+182*x^7+84*x^6-3822*x^2+3822)$  egf]  
A060747 13.4552 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = -1, a(1) = 1\}$ , ogf]  
A060747 24.5184 [  $(3*x-1)/(x-1)^2$  ogf]  
A060747 33.0393  $1/2/(-3+x)*(-1+2*x+(1+8*x)^{(1/2)})$  revogf  
A060747 49.5589  $-(3*x+1)/(3*x-1)/(x-1)$  lgdogf  
A060762 14.8879 [  $-(3*x^2-2*x-2)/(x+1)/(x-1)^2$  ogf]  
A060762 19.7987  $-(-4-2*x+3*x^3-x^2)/(x-1)/(x+1)/(3*x^2-2*x-2)$  lgdogf  
A060762 8.10856 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 2, a(1) = 4, a(2) = 3\}$ , ogf]  
A060783 19.7578  $-3*(-3-4*x+2*x^2)/(x-1)/(2*x^2-4*x-1)$  lgdogf

A060783 3.84482 [  $\{(164*n^2+458*n+260)*a(n+1)+(-591*n^2-2200*n-2367)*a(n+2)+(427*n^2+690*n+263)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 4\}$ , ogf]  
A060783 8.38869 [  $4*x^2*(2*x^2-4*x-1)/(x-1)^5$  ogf]  
A060784 16.2530  $-3*x^2*(-7+2*x)/(x-1)/(3*x^3-10*x^2+5*x-1)$  lgdogf  
A060784 7.29982 [  $4*x*(3*x^3-10*x^2+5*x-1)/(x-1)^5$  ogf]  
A060785 12.2326 [  $-6*x*(3*x+2)/(x-1)^3$  ogf]  
A060785 29.6138  $-3*(2*x+3)/(3*x+2)/(x-1)$  lgdogf  
A060785 6.38691 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 12, a(2) = 54\}$ , ogf]  
A060786 11.6800  $-(35+204*x+132*x^2+4*x^3)/(x-1)/(2*x^3+42*x^2+30*x+1)$  lgdogf  
A060786 6.35165 [  $-36*x*(2*x^3+42*x^2+30*x+1)/(x-1)^5$  ogf]  
A060787 12.1180 [  $-18*x*(3*x+1)/(x-1)^3$  ogf]  
A060787 32.0059  $-6*(x+1)/(3*x+1)/(x-1)$  lgdogf  
A060787 6.27160 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 18, a(2) = 108\}$ , ogf]  
A060788 13.9816  $-2*(-7-21*x-3*x^2+x^3)/(x-1)/(x^3-3*x^2-9*x-1)$  lgdogf  
A060788 3.55030 [  $\{(n^2+9*n+14)*a(n+1)+(10*n^2+78*n+152)*a(n+2)+(-11*n^2-39*n-34)*a(n+3), a(0) = 0, a(1) = 18, a(2) = 252\}$ , ogf]  
A060788 6.80475 [  $18*x*(x^3-3*x^2-9*x-1)/(x-1)^5$  ogf]  
A060789 7.45158 [  $(x^{10}+x^9+x^8+2*x^7+5*x^6+x^5+5*x^4+2*x^3+x^2+x+1)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2$  ogf]  
A060790 11.2880 [  $-(x-1)*(3*x^2+3*x-1)/(x^4-2*x^3-2*x^2-2*x+1)$  ogf]  
A060790 9.98274  $-(2-4*x-6*x^4+32*x^3+3*x^6-7*x^2)/(x-1)/(3*x^2+3*x-1)/(x^4-2*x^3-2*x^2-2*x+1)$  lgdogf  
A060791 7.70927 [  $(x^4+x^3+3*x^2+x+1)*(x^4+x^3-x^2+x+1)/(x-1)^2/(x^4+x^3+x^2+x+1)^2$  ogf]  
A060798 13.2780  $2*(1+2*x^5+8*x^3-7*x^4-x^2)/(x-1)/(2*x^2-2*x+1)/(x^3-x^2-x-1)$  lgdogf  
A060798 9.71393 [  $(2*x^2-2*x+1)*(x^3-x^2-x-1)/(x-1)^3$  ogf]  
A060801 12.0095 [  $(x-1)^2/(2*x^2-5*x+1)$  ogf]  
A060801 23.9986  $-(x+3)/(x-1)/(2*x^2-5*x+1)$  lgdogf  
A060801 6.17965 [  $\{-a(n+3)+5*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 3, a(2) = 14\}$ , ogf]  
A060805 8.05068 [  $(x^8-2*x^6+x^2+x-2)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A060805 8.44008  $(1+3*x-7*x^4+10*x^3+x^{11}-x^{10}-x^9+x^8-2*x^7+2*x^6+7*x^5-2*x^2)/(x-1)/(x+1)/(x^2+1)/(x^8-2*x^6+x^2+x-2)$  lgdogf  
A060816 11.9874 [  $(2*x^2-2*x+1)/(3*x-1)/(x-1)$  ogf]  
A060816 14.8166  $-2*(-1+x+x^2)/(x-1)/(-1+3*x)/(2*x^2-2*x+1)$  lgdogf  
A060816 6.22873 [  $\{-a(n+3)+4*a(n+2)-3*a(n+1), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
A060817 6.19118  $(-1+x+30*x^7-90*x^6+90*x^5-9*x^2+11*x^3-34*x^4)/(x-1)/(6*x^7-12*x^6+6*x^5-2*x^4+3*x^3-x+1)$  lgdegf  
A060817 6.61848 [  $(6*x^7-12*x^6+6*x^5-2*x^4+3*x^3-x+1)/(x-1)^2$  egf]  
A060819 10.3159 [  $(x^6+x^5+3*x^4+x^3+3*x^2+x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A060819 8.18902  $-(1+6*x+24*x^5+12*x^4+20*x^3+3*x^8+5*x^6+3*x^2+2*x^9+12*x^7)/(x-1)/(1+x)/(x^2+1)/(x^6+x^5+3*x^4+x^3+3*x^2+x+1)$  lgdogf  
A060820 13.2447 [  $-(x^2+10*x+5)/(x-1)^3$  ogf]  
A060820 24.4252  $-(25+22*x+x^2)/(x-1)/(x^2+10*x+5)$  lgdogf  
A060820 7.20324 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 25, a(2) = 61\}$ , ogf]  
A060823 10.9312  $-(1+4*x+2*x^5+4*x^4-2*x^3-4*x^2)/(1+x)/(x^2+x-1)/(x^3-3*x+1)$  lgdogf  
A060823 9.69646 [  $-2*(x^2+x-1)/(x+1)/(x^3-3*x+1)$  ogf]  
A060824 6.32982 [  $-2*(x^5-2*x^4+2*x^3-x^2-1)/(x^2-x+1)/(x^9-3*x^3+1)$  ogf]  
A060827 10.2469  $-(1+2*x-8*x^5+3*x^4+4*x^3-5*x^6+2*x^2+4*x^7)/(x^2-x-1)/(x^6-x^4-2*x^2+1)$  lgdogf  
A060827 11.5774 [  $-2*(x^2-x-1)/(x^6-x^4-2*x^2+1)$  ogf]  
A060834 12.4169 [  $-(31*x^2-50*x+31)/(x-1)^3$  ogf]  
A060834 19.4886  $-(43-38*x+31*x^2)/(x-1)/(31*x^2-50*x+31)$  lgdogf  
A060834 6.91026 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 31, a(1) = 43, a(2) = 67\}$ , ogf]  
A060836 4.93299 [  $\{(-2+n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0,$

$a(3) = 0, a(4) = 44$ }, ogf]  
A060836 84.4774  $-6/(x-1)$  lgdogf  
A060836 9.25779 [  $44x^4/(x-1)^6$  ogf]  
A060851 14.0474 [  $3*(9x+1)/(9x-1)^2$  ogf]  
A060851 17.4342  $-1/18*(-1-6x+(24x+1)^{1/2})/(-1+3x)$  revogf  
A060851 24.5370  $-27*(3x+1)/(9x-1)/(9x+1)$  lgdogf  
A060851 7.93267 [  $\{-a(n+2)+18a(n+1)-81a(n), a(0) = 3, a(1) = 81\}$ , ogf]  
A060867 10.7312  $-(9-28x+32x^2-4x^3)/(x-1)/(1+2x)/(2x-1)/(-1+4x)$  lgdogf  
A060867 10.7614 [  $-(2x+1)/(x-1)/(2x-1)/(4x-1)$  ogf]  
A060867 5.09751 [  $\{a(n+3)-7a(n+2)+14a(n+1)-8a(n), a(0) = 1, a(1) = 9, a(2) = 49\}$ , ogf]  
A060868 10.9212  $-2*(8-39x+81x^2-18x^3)/(x-1)/(3x-1)/(1+3x)/(9x-1)$  lgdogf  
A060868 10.9365 [  $-2*(3x+1)/(x-1)/(3x-1)/(9x-1)$  ogf]  
A060868 5.19020 [  $\{a(n+3)-13a(n+2)+39a(n+1)-27a(n), a(0) = 2, a(1) = 32, a(2) = 338\}$ , ogf]  
A060869 11.0631  $-(25-168x+512x^2-144x^3)/(x-1)/(4x-1)/(4x+1)/(16x-1)$  lgdogf  
A060869 11.4601 [  $-3*(4x+1)/(x-1)/(4x-1)/(16x-1)$  ogf]  
A060869 5.48928 [  $\{a(n+3)-21a(n+2)+84a(n+1)-64a(n), a(0) = 3, a(1) = 75, a(2) = 1323\}$ , ogf]  
A060870 4.68159 [  $\{a(n+3)-31a(n+2)+155a(n+1)-125a(n), a(0) = 4, a(1) = 144, a(2) = 3844\}$ , ogf]  
A060870 9.33439  $-2*(18-155x-200x^2+625x^3)/(x-1)/(5x+1)/(25x-1)/(5x-1)$  lgdogf  
A060870 9.68058 [  $-4*(5x+1)/(x-1)/(25x-1)/(5x-1)$  ogf]  
A060871 4.07659 [  $\{a(n+3)-57a(n+2)+399a(n+1)-343a(n), a(0) = 6, a(1) = 384, a(2) = 19494\}$ , ogf]  
A060871 8.04697  $-2*(32-399x-882x^2+2401x^3)/(x-1)/(7x+1)/(7x-1)/(49x-1)$  lgdogf  
A060871 8.49866 [  $-6*(7x+1)/(x-1)/(7x-1)/(49x-1)$  ogf]  
A060883 5.00479 [  $-(x^6+50x^5+325x^4+274x^3+73x^2-4x+1)/(x-1)^7$  ogf]  
A060883 6.82952  $-(3+122x+106x^2+1225x^3+2396x^4+x^5+1187x^6)/(x-1)/(x^6+50x^5+325x^4+274x^3+73x^2-4x+1)$  lgdogf  
A060884 11.2047  $-(1+16x+32x^2+5x^3+66x^4)/(x-1)/(5x^4+6x^3+16x^2-4x+1)$  lgdogf  
A060884 7.38331 [  $-(5x^4+6x^3+16x^2-4x+1)/(x-1)^5$  ogf]  
A060886 12.0383  $-(1+20x+x^2+20x^3+78x^4)/(x-1)/(x^4+8x^3+18x^2-4x+1)$  lgdogf  
A060886 8.13757 [  $-(x^4+8x^3+18x^2-4x+1)/(x-1)^5$  ogf]  
A060888 4.98038 [  $-(7x^6+78x^5+351x^4+232x^3+57x^2-6x+1)/(x-1)^7$  ogf]  
A060888 6.65826  $-(1+78x+198x^2+1443x^3+2332x^4+7x^5+981x^6)/(x-1)/(7x^6+78x^5+351x^4+232x^3+57x^2-6x+1)$  lgdogf  
A060889 3.52957 [  $-(x^8+322x^7+5458x^6+16804x^5+14410x^4+3154x^3+178x^2-8x+1)/(x-1)^9$  ogf]  
A060890 3.54670 [  $-(2x^8+239x^7+4321x^6+15563x^5+15689x^4+4237x^3+275x^2-7x+1)/(x-1)^9$  ogf]  
A060891 4.98038 [  $-(3x^6+52x^5+309x^4+290x^3+71x^2-6x+1)/(x-1)^7$  ogf]  
A060891 6.52642  $-(1+106x+122x^2+1187x^3+2396x^4+3x^5+1225x^6)/(x-1)/(3x^6+52x^5+309x^4+290x^3+71x^2-6x+1)$  lgdogf  
A060892 4.06317 [  $-(x^8+196x^7+4096x^6+15832x^5+15958x^4+4012x^3+232x^2-8x+1)/(x-1)^9$  ogf]  
A060893 4.06317 [  $-(x^8+232x^7+4348x^6+15544x^5+15670x^4+4264x^3+268x^2-8x+1)/(x-1)^9$  ogf]  
A060894 3.54670 [  $-(x^8+142x^7+3238x^6+14284x^5+16930x^4+5374x^3+358x^2-8x+1)/(x-1)^9$  ogf]  
A060899 25.8389  $x*(2x+1)/(1+4x+8x^2)$  revogf  
A060899 4.46329 [  $\{(-16n-32)*a(n+1)-4a(n+2)+(n+4)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A060899 9.28586  $-1/2*(4x-1+32x^2+(-(-1+4x)*(4x+1))^{1/2})/x/(4x+1)/(-1+4x)$  lgdogf  
A060905 22.4081  $(x+1)*(exp(2x)*x+exp(x))$  lgdegf

A060906 5.39779  $(39+9*x)*a(n+1)+(4-49*x-12*x^2)*a(n+2)+(-151-66*x+4*x^2+3*x^3)*a(n+3)+(84*x+80+28*x^2+3*x^3)*a(n+4)$ ,  $a(0)=1, a(1)=2, a(2)=5/2, a(3)=14/3$  lgdogf  
A060919 10.0804  $[-4*(5*x^2-5*x+1)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A060919 5.65916  $[-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = 4, a(1) = 8, a(2) = 20]$ , ogf]  
A060919 9.30047  $-(2-18*x+40*x^4-80*x^3+59*x^2)/(x-1)/(-1+4*x)/(-1+2*x)/(5*x^2-5*x+1)$  lgdogf  
A060925 13.3762  $[-(2*x+1)/(x+1)/(3*x-1)$  ogf]  
A060925 14.0251  $1/2/(2+3*x)*(-2*x-1+(16*x^2+12*x+1)^(1/2))$  revogf  
A060925 15.5014  $-2*(2+3*x+3*x^2)/(3*x-1)/(1+2*x)/(1+x)$  lgdogf  
A060925 7.34062  $[{a(n+2)-2*a(n+1)-3*a(n), a(0) = 1, a(1) = 4}]$ , ogf]  
A060926 10.3933  $[-(4*x^2+1)/(4*x^3+5*x-1)$  ogf]  
A060926 5.36078  $[{a(n+3)-5*a(n+2)-4*a(n), a(0) = 1, a(1) = 5, a(2) = 29}]$ , ogf]  
A060926 9.56329  $-(1+2*x)*(8*x^3-4*x^2-2*x+5)/(1+4*x^2)/(4*x^3+5*x-1)$  lgdogf  
A060927 11.7166  $[(2*x-3)/(4*x^3+5*x-1)$  ogf]  
A060927 12.2682  $-(-13+16*x^3-36*x^2)/(2*x-3)/(4*x^3+5*x-1)$  lgdogf  
A060927 5.49217  $[{a(n+3)-5*a(n+2)-4*a(n), a(0) = 3, a(1) = 13, a(2) = 65}]$ , ogf]  
A060928 19.3170  $[-1/(4*x^3+5*x-1)$  ogf]  
A060928 21.0774  $-(5+12*x^2)/(-1+5*x+4*x^3)$  lgdogf  
A060928 5.89676  $[{-a(n+3)+5*a(n+2)+4*a(n), a(0) = 1, a(1) = 5, a(2) = 25}]$ , ogf]  
A060929 17.1578  $-3*(3+2*x+2*x^2)/(2*x+1)/(x^2+x-1)$  lgdogf  
A060929 7.64804  $[-(2*x+1)^3/(x^2+x-1)^3$  ogf]  
A060930 16.5678  $-4*(3+2*x+2*x^2)/(1+2*x)/(x^2+x-1)$  lgdogf  
A060930 4.80150  $[(2*x+1)^4/(x^2+x-1)^4$  ogf]  
A060931 16.9184  $-5*(3+2*x+2*x^2)/(1+2*x)/(x^2+x-1)$  lgdogf  
A060931 3.86802  $[-(2*x+1)^5/(x^2+x-1)^5$  ogf]  
A060932 15.5461  $-6*(3+2*x+2*x^2)/(1+2*x)/(x^2+x-1)$  lgdogf  
A060933 24.3311  $-7*(3+2*x+2*x^2)/(1+2*x)/(x^2+x-1)$  lgdogf  
A060933 4.09970  $[{(-n-4)*a(n+4)+(18-n)*a(n+3)+(20+3*n)*a(n+2)+(16+2*n)*a(n+1), a(0) = 1, a(1) = 21, a(2) = 217, a(3) = 1498}]$ , ogf]  
A060934 6.49119  $[(4*x^3-11*x^2+11*x+1)/(x^2-3*x+1)^2$  ogf]  
A060934 7.92079  $-(-17-7*x+4*x^4-10*x^3+21*x^2)/(x^2-3*x+1)/(4*x^3-11*x^2+11*x+1)$  lgdogf  
A060945 13.6497  $-(2+2*x+2*x^4+2*x^3+x^6+4*x^2)/(1+x)/(x^3-x^2+2*x-1)/(x^3+x+1)$  lgdogf  
A060945 23.2686  $[-1/(x+1)/(x^3-x^2+2*x-1)$  ogf]  
A060961 11.2468  $-(1+2*x+x^8+2*x^6+3*x^4+4*x^3+2*x^2)/(x^2+x+1)/(x^2-x+1)/(x^5+x^3+x-1)$  lgdogf  
A060961 19.5642  $[-1/(x^5+x^3+x-1)$  ogf]  
A060962 16.1285  $[-x^9+x^6+x^5+2*x^4+x^2+2*x+1$  ogf\_with\_Euler\_transform]  
A060962 3.94863  $[-(x^4-x^3+x^2-x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^7$  ogf]  
A060981 7.82106  $[-(1763*x^4-82*x^3-3096*x^2+74*x+1373)/(x+1)^2/(x-1)^3$  ogf]  
A060981 8.14105  $-((1447+747*x+1763*x^5+1599*x^4-2318*x^3-3046*x^2)/(x-1)/(1+x)/(1763*x^4-82*x^3-3096*x^2+74*x+1373))$  lgdogf  
A060982 4.33550  $[(8100*x^19-7000*x^18-200*x^11+119*x^10-1029*x^9+x^8+x^7+x^6+x^5+x^4+x^3+3*x^2-x+11)/(x-1)/(100*x^9-1)$  ogf]  
A060995 15.6326  $[2*x/(2*x^2-4*x+1)$  ogf]  
A060995 16.2535  $-1/2*(-1-2*x+(1+4*x+2*x^2)^(1/2))/x$  revogf  
A060995 25.8578  $-4*(x-1)/(2*x^2+1-4*x)$  lgdogf  
A060995 7.14080  $[{a(n+2)-4*a(n+1)+2*a(n), a(0) = 0, a(1) = 2}]$ , ogf]  
A060999 15.7086  $-(3+5*x+4*x^4+3*x^3+9*x^2)/(x-1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A060999 24.0160  $[-x^3+x^2+x+3$  ogf\_with\_Euler\_transform]  
A060999 9.83927  $[(x^2+1)*x/(x^2+x+1)/(x-1)^4$  ogf]  
A061003 4.43567  $[x*(x^4+5*x^3+5*x+1)*(x^2+1)/(x^4+x^3+x^2+x+1)/(x-1)^6$  ogf]  
A061004 5.26545  $[-2*x*(x^6+5*x^5+16*x^4+16*x^3+16*x^2+5*x+1)/(x^2+x+1)/(x+1)/(x-1)^7$  ogf]  
A061005 5.11226  $[-x*(x^6+5*x^5+16*x^4+16*x^3+16*x^2+5*x+1)/(x^2+x+1)/(x+1)/(x-1)^7$  ogf]

A061037 5.76268 [  $x*(3*x^{10}+x^9+3*x^8-14*x^6-6*x^5-30*x^4-2*x^3-21*x^2-3*x-5)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
A061038 5.46552 [ -  
 $(4*x^{11}+4*x^9+x^8+24*x^7+16*x^6+88*x^5+6*x^4+100*x^3+16*x^2+36*x+1)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
A061062 3.36016 [  $\{(-n^2-6*n-9)*a(n+1)+(n^2+6*n+10)*a(n+2)-a(n+3), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A061064 14.3655  $-1/176*(-125-1581*x^2+25*(25+210*x^2+1145*x^4)^{(1/2)})/x$  lgdogf  
A061084 17.0966 [  $-(3*x+1)/(x^2-x-1)$  ogf]  
A061084 22.2784  $1/2/(x+3)*(-1+x+(5*x^2+1+10*x)^{(1/2)})$  revogf  
A061084 25.7594  $-(2+2*x+3*x^2)/(3*x+1)/(x^2-x-1)$  lgdogf  
A061084 9.38229 [  $\{-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A061085 13.5895 [  $-2*(60*x^5-75*x^4-2)/(x-1)^2$  ogf]  
A061085 15.6421  $2*(2+90*x^5-225*x^4+150*x^3)/(x-1)/(60*x^5-75*x^4-2)$  lgdogf  
A061085 5.75665 [  $\{(n+3)*a(n+1)+(-n-2)*a(n+2), a(0) = 4, a(1) = 8, a(2) = 12, a(3) = 16, a(4) = 170\}$ , ogf]  
A061094 9.00382  $(4+2*x+5*x^4+2*x^3+7*x^9-15*x^8+8*x^7+4*x^6-9*x^5-6*x^2)/(x-1)/(x^9-x^8+x^6-x^5+2*x^3-2*x^2+2*x-3)$  lgdogf  
A061094 9.67124 [  $-(x^9-x^8+x^6-x^5+2*x^3-2*x^2+2*x-3)/(x-1)^2$  ogf]  
A061099 7.82323 [  $-(x^4+63*x^3+34*x^2+63*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A061099 9.44071  $-(64+136*x+x^5+127*x^4+169*x^3+475*x^2)/(x-1)/(1+x)/(x^4+63*x^3+34*x^2+63*x+1)$  lgdogf  
A061100 7.82323 [  $-(4*x^4+45*x^3+64*x^2+45*x+4)/(x+1)^2/(x-1)^3$  ogf]  
A061100 9.09106  $-(49+193*x+4*x^5+94*x^4+253*x^3+379*x^2)/(x-1)/(1+x)/(4*x^4+45*x^3+64*x^2+45*x+4)$  lgdogf  
A061101 7.78034 [  $-(16*x^4+9*x^3+112*x^2+9*x+16)/(x+1)^2/(x-1)^3$  ogf]  
A061101 8.91613  $-(25+313*x+16*x^5+175*x^2+409*x^3+34*x^4)/(x-1)/(x+1)/(16*x^4+9*x^3+112*x^2+9*x+16)$  lgdogf  
A061102 13.4002  $-2*(32+183*x+4*x^3+105*x^2)/(x-1)/(8*x^3+93*x^2+60*x+1)$  lgdogf  
A061102 3.89179 [  $\{(-69*n^2-313*n-350)*a(n+1)+(108*n^2+424*n+800)*a(n+2)+(-39*n^2-201*n-252)*a(n+3), a(0) = 1, a(1) = 64, a(2) = 343\}$ , ogf]  
A061102 9.50778 [  $(8*x^3+93*x^2+60*x+1)/(x-1)^4$  ogf]  
A061103 10.0360 [  $(x^3+60*x^2+93*x+8)/(x-1)^4$  ogf]  
A061103 15.5724  $-(125+399*x+123*x^2+x^3)/(x-1)/(x^3+60*x^2+93*x+8)$  lgdogf  
A061103 4.06586 [  $\{(39*n^2+189*n+222)*a(n+1)+(-108*n^2-656*n-1380)*a(n+2)+(69*n^2+377*n+510)*a(n+3), a(0) = 8, a(1) = 125, a(2) = 512\}$ , ogf]  
A061162 11.2753 [hypergeom([1/6, 5/6],[1/2],108\*x) ogf]  
A061162 4.88302 [  $\{(216*n^2+648*n+462)*a(n+1)+(-2*n^2-7*n-6)*a(n+2), a(0) = 1, a(1) = 30\}$ , ogf]  
A061165 12.2947  $-(3-8*x+6*x^4+8*x^3+6*x^2)/(x-1)/(6*x^4-8*x^3+10*x^2-7*x+2)$  lgdogf  
A061165 7.70874 [  $-(6*x^4-8*x^3+10*x^2-7*x+2)/(x-1)^5$  ogf]  
A061166 5.45933 [  $-(38*x^6-29*x^5+32*x^4-35*x^3+26*x^2-11*x+2)/(x-1)^7$  ogf]  
A061166 7.60951  $-(3-14*x+170*x^5-49*x^4-12*x^3+38*x^6+25*x^2)/(x-1)/(38*x^6-29*x^5+32*x^4-35*x^3+26*x^2-11*x+2)$  lgdogf  
A061167 35.9751 [[8-2\*x] ogf\_with\_Euler\_transform]  
A061167 37.7766  $-4*(x+2)/(x-1)/(1+x)$  lgdogf  
A061167 5.73280 [  $\{(n+1)*a(n+3)-8*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 30\}$ , ogf]  
A061167 7.70165 [  $30*x^2*(x+1)^2/(x-1)^6$  ogf]  
A061169 5.12163 [  $(x+1)*(12*x^3-35*x^2+29*x+1)/(x^2-3*x+1)^3$  ogf]  
A061169 6.61525  $-3*(-13-54*x+8*x^5-11*x^4-24*x^3+79*x^2)/(x+1)/(1+x^2-3*x)/(12*x^3-35*x^2+29*x+1)$  lgdogf  
A061170 3.60670 [  $(16*x^6-72*x^5+193*x^4-278*x^3+123*x^2+58*x+1)/(x^2-3*x+1)^4$  ogf]  
A061171 11.3662  $-(19-13*x+4*x^3-3*x^2)/(2*x-3)/(x+1)/(1+x^2-3*x)$  lgdogf  
A061171 7.97310 [  $-(x+1)*(2*x-3)/(x^2-3*x+1)^2$  ogf]  
A061172 5.23544 [  $-(2*x-3)*(4*x^3-9*x^2+15*x+3)/(x^2-3*x+1)^3$  ogf]  
A061172 6.76560  $-2*(60+33*x+8*x^5+98*x^3-33*x^4-138*x^2)/(2*x-3)/(x^2-3*x+1)/(4*x^3-9*x^2+15*x+3)$  lgdogf  
A061173 4.16158 [  $-(x+1)*(2*x-3)*(4*x^3-11*x^2+11*x+1)/(x^2-3*x+1)^4$  ogf]

A061173 5.89876  $-(70+234*x+24*x^6-80*x^5-445*x^2+185*x^3+65*x^4)/(2*x-3)/(x+1)/(x^2-3*x+1)/(4*x^3-11*x^2+11*x+1)$  lgdogf  
A061178 11.3562  $-3*(3-2*x+x^4-x^2)/(x-1)/(x^2+x+1)/(1+x^2-3*x)$  lgdogf  
A061178 6.36607  $[-(x-1)*(x^2+x+1)/(x^2-3*x+1)^3$  ogf]  
A061179 4.55137  $[(x^4+2*x^3-5*x^2+2*x+1)/(x^2-3*x+1)^4$  ogf]  
A061179 8.19798  $-2*(-7+2*x^5-20*x^3+5*x^4+19*x^2)/(x^2-3*x+1)/(x^4+2*x^3-5*x^2+2*x+1)$  lgdogf  
A061180 3.62259  $[-(x-1)*(x^4+6*x^3-9*x^2+6*x+1)/(x^2-3*x+1)^5$  ogf]  
A061180 6.74930  $-5*(4+4*x+x^6+6*x^5+38*x^3-25*x^4-27*x^2)/(x-1)/(x^2-3*x+1)/(x^4+6*x^3-9*x^2+6*x+1)$  lgdogf  
A061182 10.3431  $-2*(-11+21*x+6*x^3-17*x^2)/(3*x^2-5*x+3)/(1+x^2-3*x)$  lgdogf  
A061182 6.25233  $[(3*x^2-5*x+3)/(x^2-3*x+1)^3$  ogf]  
A061183 4.77942  $[-(x-1)*(x^2-x+1)/(x^2-3*x+1)^4$  ogf]  
A061183 9.59288  $-(10-22*x-15*x^3+5*x^4+23*x^2)/(x-1)/(x^2-3*x+1)/(x^2-x+1)$  lgdogf  
A061184 6.31630  $-(-65+148*x+30*x^5-85*x^4+128*x^3-159*x^2)/(1+x^2-3*x)/(5*x^4-10*x^3+11*x^2-10*x+5)$  lgdogf  
A061185 5.55428  $-(-49-105*x+21*x^6-49*x^5+42*x^4-37*x^3+82*x^2)/(x-1)/(x^2+x+1)/(3*x^2-5*x+3)/(x^2-3*x+1)$  lgdogf  
A061206 19.3792  $-10*(1+2*x)/(4*x+1)/(x-1)$  lgdegf  
A061206 6.35936  $[ \{ (-n^2-9*n-18)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 10 \},$  ogf]  
A061206 9.06209  $[(4*x+1)/(x-1)^6$  egf]  
A061208 6.53404  $[-(x^28-x^27+x^19-x^18+x^9-x^8+x^6-x^5+x^4-x^3+x^2-x-1)/(x-1)^2$  ogf]  
A061222 12.9053  $-2*(45+17*x-3*x^3+x^4)/(x-1)/(2*x^4-7*x^3+7*x^2+5*x+17)$  lgdogf  
A061222 7.53935  $[-(2*x^4-7*x^3+7*x^2+5*x+17)/(x-1)^5$  ogf]  
A061223 6.57870  $[(7*x^4-30*x^3+48*x^2+62*x+33)/(x-1)^6$  ogf]  
A061223 9.95759  $-2*(130+203*x+7*x^4-31*x^3+51*x^2)/(x-1)/(7*x^4-30*x^3+48*x^2+62*x+33)$  lgdogf  
A061224 5.63494  $[-2*(17*x^5-100*x^4+244*x^3-314*x^2+223*x-130)/(x-1)^6$  ogf]  
A061224 7.30934  $-(-557+487*x+17*x^5-115*x^4+332*x^3-524*x^2)/(x-1)/(17*x^5-100*x^4+244*x^3-314*x^2+223*x-130)$  lgdogf  
A061225 4.61743  $[-2*(32*x^6-227*x^5+687*x^4-1148*x^3+1124*x^2-489*x+381)/(x-1)^7$  ogf]  
A061225 5.76010  $-2*(1089-343*x-131*x^5+463*x^4-922*x^3+16*x^6+1088*x^2)/(x-1)/(32*x^6-227*x^5+687*x^4-1148*x^3+1124*x^2-489*x+381)$  lgdogf  
A061252 13.8598  $-1/480*(-31*x-1+(x^2+62*x+1)^(1/2))/x$  revogf  
A061252 14.4809  $[x/(16*x-1)/(15*x-1)$  ogf]  
A061252 17.0937  $-(-31+480*x)/(16*x-1)/(15*x-1)$  lgdogf  
A061252 6.20608  $[ \{ a(n+2)-31*a(n+1)+240*a(n), a(0) = 0, a(1) = 1 \},$  ogf]  
A061253 12.5139  $[-(27*x-5)/(9*x-1)/(3*x-1)$  ogf]  
A061253 13.0864  $-3*(11-90*x+243*x^2)/(27*x-5)/(3*x-1)/(9*x-1)$  lgdogf  
A061253 13.3838  $-1/54*(-5-12*x+(25+12*x+36*x^2)^(1/2))/(x+1)$  revogf  
A061253 7.06666  $[ \{ a(n+2)-12*a(n+1)+27*a(n), a(0) = 5, a(1) = 33 \},$  ogf]  
A061263 14.4994  $-(7+5*x-7*x^3+4*x^4+15*x^2)/(x-1)/(x^2+x+1)/(x^2-2*x+3)$  lgdogf  
A061263 8.61654  $[x^3*(x^2-2*x+3)/(x^2+x+1)/(x-1)^4$  ogf]  
A061278 18.8104  $[-x/(x-1)/(x^2-4*x+1)$  ogf]  
A061278 23.0709  $-(5-10*x+3*x^2)/(x-1)/(x^2-4*x+1)$  lgdogf  
A061278 6.94799  $[ \{ a(n+3)-5*a(n+2)+5*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 5 \},$  ogf]  
A061279 11.9401  $[-(x+1)^2/(2*x^3+2*x^2-1)$  ogf]  
A061279 15.8686  $-2*(1+2*x+3*x^2+x^3)/(x+1)/(2*x^3+2*x^2-1)$  lgdogf  
A061279 7.24029  $[ \{ -a(n+3)+2*a(n+1)+2*a(n), a(0) = 1, a(1) = 2, a(2) = 3 \},$  ogf]  
A061316 10.0143  $[-3*x*(x^2+1)/(x-1)^5$  ogf]  
A061316 25.7025  $[[-x^3+x+5]$  ogf\_with\_Euler\_transform]  
A061316 26.4371  $-(-5+2*x+3*x^2)/(x-1)/(1+x^2)$  lgdogf  
A061316 3.81254  $[ \{ (n+3)*a(n+4)+(-7-n)*a(n+3)+(-1+n)*a(n+2)+(-n-3)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 15, a(3) = 48 \},$  ogf]  
A061317 10.3383  $[3*x*(x+1)^2/(x-1)^4$  ogf]  
A061317 35.6830  $[[6-2*x]$  ogf\_with\_Euler\_transform]  
A061317 37.1851  $-2*(x+3)/(x-1)/(x+1)$  lgdogf



A061317 5.63204 [  $\{(n+2)*a(n+3)-6*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 18\}$ , ogf]  
A061318 3.83790 [  $-4*x*(x^6+x^5+22*x^4+22*x^3+22*x^2+x+1)/(x-1)^9$  ogf]  
A061318 6.69381  $-(10+52*x+3*x^6+10*x^5+220*x^3+115*x^4+220*x^2)/(x-1)/(x^6+x^5+22*x^4+22*x^3+22*x^2+x+1)$  lgdogf  
A061319 4.35749 [  $-x*(x^6+x^5+22*x^4+22*x^3+22*x^2+x+1)/(x-1)^9$  ogf]  
A061319 7.61105  $-(10+52*x+10*x^5+115*x^4+220*x^3+3*x^6+220*x^2)/(x-1)/(x^6+x^5+22*x^4+22*x^3+22*x^2+x+1)$  lgdogf  
A061347 12.5048 [  $\{a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A061347 22.7864 [  $(2*x+1)/(x^2+x+1)$  ogf]  
A061347 30.1337  $-1/2*(-1+x+(-3*x^2+6*x+1)^{(1/2)})/(-2+x)$  revogf  
A061347 35.6126  $-(-1+2*x+2*x^2)/(1+2*x)/(x^2+x+1)$  lgdogf  
A061349 10.7392  $-2*(3+11*x+x^5+7*x^4+14*x^3+20*x^2)/(x-1)/(x+1)/(x^4+4*x^3+4*x^2+4*x+1)$  lgdogf  
A061349 7.36855 [  $x*(x^4+4*x^3+4*x^2+4*x+1)/(x+1)^2/(x-1)^4$  ogf]  
A061403 4.46318 [  $\{(4*n^2+32*n+48)*a(n+1)-a(n+2), a(0) = 384, a(1) = 7680\}$ , ogf]  
A061462 10.5710 [  $-(2*x^8+x^7+x^6+2*x^5+2*x^2+x+1)/(x-1)/(x^2+1)/(x^2+x+1)/(x^4-x^2+1)$  ogf]  
A061479 6.33361 [  $x*(x^2+x+1)*(x^6+x^3+1)/(x-1)/(100*x^9-1)$  ogf]  
A061489 6.36282  $(-2-10*x-4*x^7+7*x^8+6*x^9+2*x^{11}-30*x^5-15*x^6-34*x^3-41*x^4-22*x^2+4*x^{10})/(x+1)/(x^3+x+1)/(x^4+x^2-1)/(x^4+x^3+2*x^2+2*x+1)$  lgdogf  
A061489 6.72223 [  $-x*(x^3+x+1)*(x^4+x^3+2*x^2+2*x+1)/(x+1)/(x^4+x^2-1)$  ogf]  
A061495 4.63528 [  $\{(9*n^3+99*n^2+362*n+440)*a(n+1)+(-9*n^3-45*n^2-74*n-40)*a(n+3), a(0) = 6, a(1) = 60, a(2) = 504\}$ , ogf]  
A061495 6.34126  $-2*(5+84*x+10*x^7+280*x^5+245*x^4+490*x^3+42*x^6+140*x^2)/(x-1)/(1+x)/(10*x^6+28*x^5+125*x^4+70*x^3+80*x^2+10*x+1)$  lgdogf  
A061495 6.40877 [  $6*(10*x^6+28*x^5+125*x^4+70*x^3+80*x^2+10*x+1)/(x-1)^4/(x+1)^4$  ogf]  
A061501 6.52166 [  $-(x^{12}+3*x^{11}+6*x^{10}+10*x^9+5*x^8-5*x^6+5*x^4+10*x^3+6*x^2+3*x+1)*(x^2-x+1)/(x-1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A061504 12.6523 [  $-(3*x^5+2*x^4+6*x^3+4*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A061504 9.14382  $(-2-8*x-12*x^3+3*x^8-6*x^6-8*x^5-21*x^4-18*x^2)/(x-1)/(x+1)/(x^2+1)/(3*x^5+2*x^4+6*x^3+4*x^2+2*x+1)$  lgdogf  
A061506 4.87596 [  $\{(9*n^3+99*n^2+362*n+440)*a(n+1)+(-9*n^3-45*n^2-74*n-40)*a(n+3), a(0) = 12, a(1) = 120, a(2) = 1008\}$ , ogf]  
A061506 6.20185  $-2*(5+84*x+10*x^7+280*x^5+245*x^4+490*x^3+42*x^6+10*x^7+140*x^2)/(x-1)/(x+1)/(10*x^6+28*x^5+125*x^4+70*x^3+80*x^2+10*x+1)$  lgdogf  
A061506 6.63786 [  $12*(10*x^6+28*x^5+125*x^4+70*x^3+80*x^2+10*x+1)/(x-1)^4/(x+1)^4$  ogf]  
A061524 7.03145 [  $-(25*x^4-125*x^3+315*x^2-415*x+224)/(x-1)^5$  ogf]  
A061524 9.43958  $-5*(141-206*x+5*x^4-30*x^3+114*x^2)/(x-1)/(25*x^4-125*x^3+315*x^2-415*x+224)$  lgdogf  
A061525 10.2953  $-(-361+264*x+6*x^2-32*x^3+3*x^4)/(x-1)/(3*x^4-22*x^3+24*x^2+54*x-83)$  lgdogf  
A061525 7.21154 [  $(3*x^4-22*x^3+24*x^2+54*x-83)/(x-1)^5$  ogf]  
A061534 11.2730  $-(3+x^4)/(-1+x)/(x+1)/(x^3-x^2-3*x+1)$  lgdogf  
A061534 12.8364 [  $-(x-1)*(x+1)/(x^3-x^2-3*x+1)$  ogf]  
A061534 6.53282 [  $\{a(n+3)-3*a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A061547 12.0389 [  $x*(x+1)/(x-1)/(2*x+1)/(2*x-1)$  ogf]  
A061547 13.2514  $-2*(-1-4*x+4*x^3+4*x^2)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  lgdogf  
A061547 6.18214 [  $\{-a(n+3)+a(n+2)+4*a(n+1)-4*a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A061550 16.3546  $-(35+35*x+x^3-7*x^2)/(x-1)/(x^3-5*x^2+15*x+5)$  lgdogf  
A061550 7.01102 [  $\{(-2*n-9)*a(n+1)+(2*n+3)*a(n+2), a(0) = 15, a(1) = 105\}$ , ogf]  
A061550 9.37724 [  $3*(x^3-5*x^2+15*x+5)/(x-1)^4$  ogf]  
A061551 10.7418 [  $-(2*x^2-1)/(x-1)/(x^3+3*x^2-1)$  ogf]  
A061551 11.0341  $-(1+2*x-4*x^2-4*x^3+4*x^4+4*x^5)/(x-1)/(2*x^2-1)/(x^3+3*x^2-1)$  lgdogf  
A061557 13.7234  $1/2*(-6-5*x+((9+8*x)*(x+2)^2)^{(1/2)})/(x+1)^2$  revogf

A061557 3.33266 [  $\{( -4n^2 - 18n - 20) a(n+1) + (37n^2 + 276n + 500) a(n+2) + (-9n^2 - 81n - 162) a(n+3), a(0) = 3, a(1) = 8, a(2) = 23\}$ , ogf]  
A061561 6.05993 [  $-(112x^9 + 80x^8 - 60x^7 - 48x^6 - 90x^5 - 72x^4 + 18x^2 + 35x + 22)/(x-1)/(x+1)/(2x^2-1)/(2x^4-1)$  ogf]  
A061570 14.7971 [  $-x(4x^2-6x-1)/(x-1)^2$  ogf]  
A061570 29.6840  $-2(x-4)/(x-1)/(4x^2-6x-1)$  lgdogf  
A061570 7.39854 [  $\{-a(n+4) + 2a(n+3) - a(n+2), a(0) = 0, a(1) = 1, a(2) = 8, a(3) = 11\}$ , ogf]  
A061572 4.21484 [  $\{(n^3 + 9n^2 + 27n + 27) a(n+1) + (-n^2 - 9n - 19) a(n+2) + a(n+3), a(0) = 1, a(1) = 5, a(2) = 47\}$ , ogf]  
A061573 4.18898 [  $\{(-n^3 - 10n^2 - 33n - 36) a(n+1) + (n^2 + 9n + 20) a(n+2) - a(n+3), a(0) = 1, a(1) = 6, a(2) = 60\}$ , ogf]  
A061587 11.8195  $729 - 243f(x) + 27f(x)^2 - f(x)^3$  lgdegf  
A061593 3.33989 [  $\{(-51n - 285) a(n+1) + (170n + 933) a(n+2) + (-102n - 519) a(n+3) + (17n + 78) a(n+4), a(0) = 12, a(1) = 79, a(2) = 408, a(3) = 1847\}$ , ogf]  
A061593 6.93687  $-(79 + 369x - 569x^2 + 477x^3 - 189x^4 + 27x^5)/(3x-1)/(x^2-3x+1)/(9x^3-33x^2+29x-12)$  lgdogf  
A061593 8.79777 [  $-(9x^3-33x^2+29x-12)/(x^2-3x+1)/(3x-1)^2$  ogf]  
A061594 4.30773 [  $(20x^5-60x^4+20x^3+52x^2-13x-1)/(3x-1)/(4x-1)^2/(2x^2-4x+1)^2$  ogf]  
A061600 10.0315 [  $-(x^3-9x^2+3x-1)/(x-1)^4$  ogf]  
A061600 17.2175  $-(-1-9x+x^3-15x^2)/(x-1)/(x^3-9x^2+3x-1)$  lgdogf  
A061600 4.29124 [  $\{(7n^2+37n+46) a(n+1) + (-10n^2-36n-28) a(n+2) + (3n^2+11n+6) a(n+3), a(0) = 1, a(1) = 1, a(2) = 7\}$ , ogf]  
A061601 13.2836  $2(4-5x-855x^{10}+450x^9+405x^{11})/(x-1)/(90x^{11}-90x^{10}+10x-9)$  lgdogf  
A061601 13.4780 [  $-(90x^{11}-90x^{10}+10x-9)/(x-1)^2$  ogf]  
A061603 25.2146  $1-3f(x)+3f(x)^2-f(x)^3$  lgdegf  
A061639 11.4581  $1/2/(1-x+x^2)*(-1+x-x^2+(-(1-x+x^2)*(3x^2-3x-1))^{(1/2)})$  revogf  
A061640 2.99928 [  $\{(n^3+7n^2+16n+12) a(n+1) + (-n^2-6n-9) a(n+2) + a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A061646 12.4412 [  $-(3x^2+x-1)/(x^2-3x+1)/(x+1)$  ogf]  
A061646 13.7996  $-(1-2x+x^2+2x^3+3x^4)/(x+1)/(x^2-3x+1)/(3x^2+x-1)$  lgdogf  
A061646 6.77600 [  $\{a(n+3) - 2a(n+2) - 2a(n+1) + a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
A061647 11.7531  $-(-3-6x+3x^2+2x^3+x^4)/(x+1)/(x^2+x+1)/(x^2-3x+1)$  lgdogf  
A061647 12.9915 [  $(x^2+x+1)/(x^2-3x+1)/(x+1)$  ogf]  
A061647 7.07571 [  $\{a(n+3) - 2a(n+2) - 2a(n+1) + a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A061648 6.25574  $-2(3-13x+2x^6+2x^7+26x^2-43x^3+52x^4-28x^5)/(x-1)/(x^2-3x+1)/(2x^5-9x^3+8x^2-4x+1)$  lgdogf  
A061648 6.70632 [  $-(2x^5-9x^3+8x^2-4x+1)/(x-1)/(x^2-3x+1)^3$  ogf]  
A061650 15.2492 [  $1/(20x-1)^2$  ogf]  
A061650 22.4118  $4x/(1+(1+80x)^{(1/2)})^2$  revogf  
A061650 41.3756  $-40/(-1+20x)$  lgdogf  
A061650 6.38341 [  $\{-a(n+2) + 40a(n+1) - 400a(n), a(0) = 1, a(1) = 40\}$ , ogf]  
A061654 13.0989 [  $-(7x-1)/(16x-1)/(x-1)$  ogf]  
A061654 13.4242  $-1/2*(-17x-1+(225x^2+6x+1)^{(1/2)})/(7+16x)$  revogf  
A061654 14.3830  $-2(5-16x+56x^2)/(x-1)/(7x-1)/(-1+16x)$  lgdogf  
A061654 7.24293 [  $\{a(n+2) - 17a(n+1) + 16a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A061667 12.3100 [  $-(x-1)^2/(2x-1)/(x^2-3x+1)$  ogf]  
A061667 15.3633  $-(-3+9x-6x^2+2x^3)/(x-1)/(-1+2x)/(x^2-3x+1)$  lgdogf  
A061667 6.70454 [  $\{a(n+3) - 5a(n+2) + 7a(n+1) - 2a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A061679 10.8964  $-(-87-119x+7x^3-41x^2)/(x-1)/(7x^3-31x^2-19x-17)$  lgdogf  
A061679 7.52515 [  $-(7x^3-31x^2-19x-17)/(x-1)^4$  ogf]  
A061681 5.54332 [  $-(8x^{28}-x^{27}-x^{26}-x^{24}-x^{22}-x^{20}-x^{18}-x^{14}-x^9+7x^5-4x^4-2x^3-x^2-1)/(x-1)^2$  ogf]  
A061703 7.78889 [  $-2x*(2x^3-3x^2-2x+2)/(x-1)/(x^3-x^2-3x+1)$  ogf]  
A061703 8.39519  $-2(3-7x+5x^2+2x^4-3x^5+x^6)/(x-1)/(x^3-x^2-3x+1)/(2x^3-3x^2-2x+2)$  lgdogf

A061705 10.1120 [  $-(2*x^3+2*x^2-x-2)/(x^2+x-1)^2$  ogf]  
A061705 12.3967  $-(5-5*x+2*x^4+2*x^3+3*x^2)/(x^2+x-1)/(2*x^3+2*x^2-x-2)$  lgdogf  
A061706 3.46648 [  $x^2*(x-1)^8/$   
 $(4*x^9+x^8-79*x^7+166*x^6-225*x^5+206*x^4-129*x^3+50*x^2-11*x+1)$  ogf]  
A061709 5.97306  $-4*(1-10*x-512*x^5+1792*x^6+352*x^3-784*x^4-6*x^2)/(8*x-1)/$   
 $(2*x-1)/(8*x^2-1)/(64*x^4+16*x^3-12*x^2-6*x+1)$  lgdogf  
A061709 7.72760 [  $-(64*x^4+16*x^3-12*x^2-6*x+1)/(8*x-1)/(2*x-1)/(8*x^2-1)$  ogf]  
A061722 12.5393 [  $-(17*x^2-4*x+7)/(x-1)^3$  ogf]  
A061722 21.1801  $-(47+6*x+7*x^2)/(x-1)/(7*x^2-4*x+17)$  lgdogf  
A061722 6.81961 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 7, a(1) = 17, a(2) =$   
 $47\}$ , ogf]  
A061726 6.01764 [  $-2*(2*x^6+9*x^4-4*x^3+9*x^2+2)/(x^2+1)^3/(x-1)^3$  ogf]  
A061726 9.37625  $-3*(2+2*x+22*x^4+2*x^8+13*x^6-10*x^5+5*x^2)/(x-1)/(x^2+1)/$   
 $(2*x^6+9*x^4-4*x^3+9*x^2+2)$  lgdogf  
A061727 4.76734 [  $-(4*x^13+x^12+18*x^9+3*x^8-8*x^7+18*x^5+3*x^4+4*x+1)/(x-1)^3/$   
 $(x+1)^3/(x^4+1)^3$  ogf]  
A061761 12.2821 [  $x*(5*x-3)/(2*x-1)/(x-1)^2$  ogf]  
A061761 17.6842  $-(7-23*x+20*x^2)/(x-1)/(5*x-3)/(-1+2*x)$  lgdogf  
A061761 6.30702 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 0, a(1) = 3, a(2) =$   
 $7\}$ , ogf]  
A061776 10.2274 [  $(2*x+1)*(x^2+1)/(x-1)/(2*x^2-1)$  ogf]  
A061776 11.7143  $-3*(-1-2*x-x^2+4*x^3+2*x^4)/(x-1)/(2*x+1)/(2*x^2-1)/(x^2+1)$   
lgdogf  
A061776 5.30595 [  $\{a(n+4)-a(n+3)-2*a(n+2)+2*a(n+1), a(0) = 1, a(1) = 3, a(2) = 6,$   
 $a(3) = 12\}$ , ogf]  
A061777 10.9422  $-2*(-2-4*x+2*x^5+4*x^4+7*x^3-x^2)/(x-1)/(2*x+1)/(-1+2*x^2)/$   
 $(1+x^2)$  lgdogf  
A061777 3.66482 [  $\{(6*n+20)*a(n+1)+(-6*n-14)*a(n+2)+(-3*n-10)*a(n+3)+(3*n+7)*a(n$   
 $+4), a(0) = 1, a(1) = 4, a(2) = 10, a(3) = 22\}$ , ogf]  
A061777 9.56660 [  $-(2*x+1)*(x^2+1)/(2*x^2-1)/(x-1)^2$  ogf]  
A061792 11.8515 [  $-(x+6)*(6*x+1)/(x-1)^3$  ogf]  
A061792 20.0067  $-(55+86*x+6*x^2)/(x-1)/(x+6)/(6*x+1)$  lgdogf  
A061792 6.38950 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 6, a(1) = 55, a(2) =$   
 $153\}$ , ogf]  
A061793 12.0186 [  $-(3*x^2+19*x+3)/(x-1)^3$  ogf]  
A061793 20.2888  $-(x+14)*(3*x+2)/(x-1)/(3*x^2+19*x+3)$  lgdogf  
A061793 6.53644 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 28, a(2) =$   
 $78\}$ , ogf]  
A061800 14.5827 [  $(3*x^2-x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A061800 20.8742  $-6*x*(1+x^3+x)/(x-1)/(x^2+x+1)/(3*x^2-x+1)$  lgdogf  
A061800 5.42407 [  $\{(3*n+10)*a(n+1)+3*a(n+2)+3*a(n+3)+(-3*n-7)*a(n+4), a(0) = 1,$   
 $a(1) = 0, a(2) = 3, a(3) = 4\}$ , ogf]  
A061801 12.2492 [  $(x+1)/(6*x-1)/(x-1)$  ogf]  
A061801 12.2553  $-1/2*(-1-7*x+(1+18*x+25*x^2)^(1/2))/(-1+6*x)$  revogf  
A061801 14.5738  $-2*(-4+6*x+3*x^2)/(x-1)/(6*x-1)/(1+x)$  lgdogf  
A061801 6.72212 [  $\{-a(n+2)+7*a(n+1)-6*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A061803 14.1114  $-2*(9+43*x+x^3+19*x^2)/(x-1)/(x+1)/(x^2+10*x+1)$  lgdogf  
A061803 6.32560 [  $(x^2+10*x+1)*(x+1)^2/(x-1)^6$  ogf]  
A061804 10.8422 [  $6*x*(x+1)^2/(x-1)^4$  ogf]  
A061804 37.9349 [  $[6-2*x]$  ogf\_with\_Euler\_transform]  
A061804 39.5664  $-2*(x+3)/(x-1)/(x+1)$  lgdogf  
A061804 5.98746 [  $\{(n+2)*a(n+3)-6*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 6, a(2) =$   
 $36\}$ , ogf]  
A061821 5.82885 [  $5*x*(9*x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/$   
 $(x^4-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2$  ogf]  
A061829 7.42984 [  $5*(20*x^11+2*x^6+3*x^5+4*x^4+4*x^3+4*x^2+2*x+1)/(x^4+x^3+x^2+x$   
 $+1)/(x-1)^2$  ogf]  
A061834 3.58244 [  $\{(n^3+7*n^2+16*n+12)*a(n+1)+(-n^3-6*n^2-9*n)*a(n+2)+(n^2+n)*a(n$   
 $+3), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 12\}$ , ogf]  
A061866 17.5515  $-2*(1+x+2*x^4-x^3+3*x^2)/(x-1)/(1+x+x^2)/(x^2-x+1)$  lgdogf  
A061866 26.5889 [  $-x^5+2*x^2+x+2$  ogf\_with\_Euler\_transform]

A061866 9.47919 [  $x^3(x^2-x+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A061891 12.7481 [  $(2x^3+3x^2+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A061891 14.0009  $-(x^2+4x+1)*(2x^3+3x+1)/(x-1)/(x^2+x+1)/(2x^3+3x^2+1)$   
lgdogf  
A061891 5.05260 [  $\{(n+3)a(n+1)+a(n+2)+a(n+3)+(-n-2)a(n+4), a(0) = 1, a(1) = 1,$   
 $a(2) = 4, a(3) = 7\}$ , ogf]  
A061908 3.64951 [  $(x^2+7x+1)/(x+1)/(x-1)^2$  ogf]  
A061924 21.4776  $1-3x-(-1+3x)^{(4/3)}*(-1)^{(2/3)}$  revegef  
A061924 4.80239 [  $\{(256n^3+1152n^2+1712n+840)a(n+1)+(-27n^2-81n-60)a(n+2),$   
 $a(0) = 1, a(1) = 4\}$ , ogf]  
A061925 12.7647 [  $-(2x^3-x^2+1)/(x+1)/(x-1)^3$  ogf]  
A061925 17.6903  $-2*(1+x^2)*(x^2+x+1)/(x-1)/(x+1)/(2x^3-x^2+1)$  lgdogf  
A061927 34.1326 [  $[9-3x]$  ogf\_with\_Euler\_transform]  
A061927 35.6162  $-3*(x+3)/(x-1)/(x+1)$  lgdogf  
A061927 5.43537 [  $\{(n+2)a(n+3)-9a(n+2)+(-3-n)a(n+1), a(0) = 0, a(1) = 1, a(2)$   
 $= 9\}$ , ogf]  
A061927 7.22904 [  $x*(x+1)^3/(x-1)^6$  ogf]  
A061981 14.1184 [  $-4x^2/(3x-1)/(x-1)^2$  ogf]  
A061981 27.3397  $-(-5+9x)/(3x-1)/(x-1)$  lgdogf  
A061981 5.77573 [  $\{a(n+3)-5a(n+2)+7a(n+1)-3a(n), a(0) = 0, a(1) = 0, a(2) =$   
 $4\}$ , ogf]  
A061982 17.4670  $-(17-38x+9x^2)/(x-1)/(3x-1)/(x-3)$  lgdogf  
A061982 3.60983 [  $\{(3n^2+18n+24)a(n+1)+(-4n^2-18n-17)a(n+2)+(n^2+4n+3)a(n$   
 $+3), a(0) = 0, a(1) = 0, a(2) = 3\}$ , ogf]  
A061982 8.94831 [  $-x^2*(x-3)/(3x-1)/(x-1)^3$  ogf]  
A061983 16.1234  $-(-11+2x+45x^2)/(x-1)/(5x+1)/(3x-1)$  lgdogf  
A061983 3.58944 [  $\{(-9n^2-30n-24)a(n+1)+(12n^2+22n+11)a(n$   
 $+2)+(-3n^2-4n-1)a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A061983 8.94831 [  $x^2*(5x+1)/(3x-1)/(x-1)^3$  ogf]  
A061989 24.0144  $-(7+x+4x^2)/(x-1)/(2x^2-x+2)$  lgdogf  
A061989 9.35627 [  $2x^4*(2x^2-x+2)/(x-1)^4$  ogf]  
A061990 5.22482 [  $-2x^4*(x^3-x^2+x+1)*(x^4+4x^2+1)/(x-1)^5$  ogf]  
A061990 8.77503  $2*(-3-5x+x^7-12x^2+x^3-11x^4+3x^5-4x^6)/(x-1)/(x^3-x^2+x$   
 $+1)/(x^4+4x^2+1)$  lgdogf  
A061991 3.62810 [  $2x^5*(4x^{11}-11x^{10}+16x^9+7x^8-32x^7+38x^6+6x^5+8x^4-8x^3+37x^2-10x$   
 $+5)/(x-1)^6$  ogf]  
A061995 20.6072  $-3*(-13+2x+x^2)/(x-1)/(x^2+x-8)$  lgdogf  
A061995 7.53359 [  $2x^3*(x^2+x-8)/(x-1)^5$  ogf]  
A061996 4.90646 [  $-4x^3*(11x^4-42x^3+38x^2+21x+2)/(x-1)^7$  ogf]  
A061996 8.98245  $-(35+202x+64x^2-124x^3+33x^4)/(x-1)/$   
 $(11x^4-42x^3+38x^2+21x+2)$  lgdogf  
A062025 20.5784  $-(15+35x+2x^2)/(x-1)/(x^2+11x+1)$  lgdogf  
A062025 3.65578 [  $\{(-3-n)a(n+4)+(-5-10n)a(n+3)+(45+10n)a(n+2)+(n+2)a(n+1),$   
 $a(0) = 0, a(1) = 1, a(2) = 15, a(3) = 55\}$ , ogf]  
A062025 9.88049 [  $x*(x^2+11x+1)/(x-1)^4$  ogf]  
A062026 23.5307  $-3*(1+4x^2)/(x-1)/(4x^2-2x+1)$  lgdogf  
A062026 3.87763 [  $\{(n+3)a(n+4)+(-3n-9)a(n+3)+(6+6n)a(n+2)+(-12-4n)a(n+1),$   
 $a(0) = 0, a(1) = 2, a(2) = 6, a(3) = 18\}$ , ogf]  
A062026 9.20354 [  $-2x*(4x^2-2x+1)/(x-1)^5$  ogf]  
A062027 4.73887 [  $-(35x^8-195x^7+440x^6-505x^5+292x^4-85x^3-10x^2+5x-1)/$   
 $(x-1)^6$  ogf]  
A062028 7.21906 [  $-x*(7x^9-2x^8-2x^7-2x^6-2x^5-2x^4-2x^3-2x^2-2x-2)/(x$   
 $+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A062074 13.7375  $-6*(4+21x+9x^2)/(-1+3x)/(9x^2+12x+1)$  lgdogf  
A062074 7.15462 [  $3x*(9x^2+12x+1)/(3x-1)^4$  ogf]  
A062075 3.10190 [  $\{(-64n^2-272n-288)a(n+1)+(32n^2+128n+288)a(n$   
 $+2)+(-4n^2-15n-14)a(n+3), a(0) = 0, a(1) = 4, a(2) = 256\}$ , ogf]  
A062075 5.47222 [  $-4x*(4x+1)*(16x^2+40x+1)/(4x-1)^5$  ogf]  
A062075 9.68172  $-32*(2+33x+72x^2+16x^3)/(4x+1)/(-1+4x)/(16x^2+40x+1)$   
lgdogf

A062092 15.2622 [  $-(3*x+2)/(x+1)/(2*x-1)$  ogf]  
A062092 17.2580  $1/2/(3+2*x)*(-x-2+(9*x^2+16*x+4)^(1/2))$  revogf  
A062092 18.6962  $-(5+8*x+6*x^2)/(3*x+2)/(2*x-1)/(x+1)$  lgdogf  
A062092 8.37559 [  $\{a(n+2)-a(n+1)-2*a(n), a(0) = 2, a(1) = 5\}$ , ogf]  
A062098 16.4175 [  $7/(x-1)^2$  egf]  
A062098 6.08738 [  $\{(-n-3)*a(n+1)+a(n+2), a(0) = 7, a(1) = 14\}$ , ogf]  
A062098 66.2499  $-2/(x-1)$  lgdegf  
A062098 75.7142  $x/(7+x)$  revegf  
A062107 16.0773 [  $-x*(x^2+1)/(3*x-1)$  ogf]  
A062107 21.6427  $(-3-2*x+3*x^2)/(3*x-1)/(1+x^2)$  lgdogf  
A062107 6.86633 [  $\{-a(n+4)+3*a(n+3), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 10\}$ , ogf]  
A062109 41.7473  $4/(2*x-1)/(x-1)$  lgdogf  
A062109 5.24093 [  $\{(n+2)*a(n+2)+(-7-3*n)*a(n+1)+2*n*a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A062109 7.26583 [  $(x-1)^4/(2*x-1)^4$  ogf]  
A062112 11.1821  $-(1+4*x+8*x^2-6*x^4-8*x^3+4*x^2)/(x-1)/(2*x+1)/(2*x^4-4*x^2+1)$  lgdogf  
A062112 11.5403 [  $-x*(2*x+1)*(x-1)/(2*x^4-4*x^2+1)$  ogf]  
A062113 10.0753  $-(2+6*x+4*x^5-8*x^4-8*x^3+2*x^6+5*x^2)/(x^3+x^2-2*x-1)/(2*x^4-4*x^2+1)$  lgdogf  
A062113 11.0673 [  $-(x^3+x^2-2*x-1)/(2*x^4-4*x^2+1)$  ogf]  
A062114 10.2152 [  $-x*(x^2-x-1)/(x-1)/(x+1)/(x^2+x-1)$  ogf]  
A062114 13.6073  $-2*(1+x+x^5-3*x^3-x^4)/(x-1)/(x+1)/(x^2+x-1)/(x^2-x-1)$  lgdogf  
A062116 10.8233  $-(2+4*x+8*x^7+9*x^8+2*x^6+24*x^3-25*x^4+10*x^2)/(x-1)/(9*x^4+4*x^3+2*x^2+x+1)/(x^4+1)$  lgdogf  
A062116 12.1798 [  $-(9*x^4+4*x^3+2*x^2+x+1)/(x-1)/(x^4+1)$  ogf]  
A062119 12.1049 [  $-2*x/(x-1)^3$  egf]  
A062119 4.90740 [  $\{(n^2+5*n+6)*a(n+1)+(-1-n)*a(n+2), a(0) = 0, a(1) = 2\}$ , ogf]  
A062119 66.9860  $-3/(x-1)$  lgdegf  
A062123 13.3061 [  $-(x+2)*(2*x+1)/(x-1)^3$  ogf]  
A062123 22.1210  $-(11+14*x+2*x^2)/(x-1)/(2*x+1)/(x+2)$  lgdogf  
A062123 7.11993 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 11, a(2) = 29\}$ , ogf]  
A062124 14.3341  $-2*(13+29*x+x^3+11*x^2)/(x-1)/(2*x^3+8*x^2+14*x+3)$  lgdogf  
A062124 3.63700 [  $\{(-389*n^2-1987*n-2418)*a(n+1)+(-320*n^2-5320*n-13416)*a(n+2)+(709*n^2+4013*n+5658)*a(n+3), a(0) = 3, a(1) = 26, a(2) = 94\}$ , ogf]  
A062124 9.37228 [  $(2*x^3+8*x^2+14*x+3)/(x-1)^4$  ogf]  
A062125 10.5703  $-(x+2)*(2*x^3+24*x^2+81*x+28)/(x-1)/(2*x^4+10*x^3+33*x^2+31*x+5)$  lgdogf  
A062125 7.04318 [  $-(2*x^4+10*x^3+33*x^2+31*x+5)/(x-1)^5$  ogf]  
A062126 5.46490 [  $(x+2)*(2*x^4+8*x^3+36*x^2+31*x+4)/(x-1)^6$  ogf]  
A062126 8.34946  $-2*(x^2+7*x+19)*(x^3+10*x^2+13*x+3)/(x-1)/(x+2)/(2*x^4+8*x^3+36*x^2+31*x+4)$  lgdogf  
A062127 4.86354 [  $-(2*x^6+14*x^5+72*x^4+207*x^3+289*x^2+132*x+13)/(x-1)^7$  ogf]  
A062127 6.26796  $-(223+1370*x+2*x^6+40*x^5+2066*x^2+1116*x^3+286*x^4)/(x-1)/(2*x^6+14*x^5+72*x^4+207*x^3+289*x^2+132*x+13)$  lgdogf  
A062136 6.55411  $-6*(1+8*x+x^6+36*x^5+2*x^7+15*x^4+50*x^3+15*x^2)/(x-1)/(x+1)/(1+x^2)/(x^4+14*x^2+1)$  lgdogf  
A062141 11.5756  $-6*(3+15*x+10*x^2)/(x-1)/(10*x^2+10*x+1)$  lgdegf  
A062141 6.11931 [  $\{(-n^2-11*n-28)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 18\}$ , ogf]  
A062141 6.51594 [  $(10*x^2+10*x+1)/(x-1)^8$  egf]  
A062142 4.43615 [  $\{(-n^2-13*n-40)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 28\}$ , ogf]  
A062142 9.41634  $-28*(1+9*x+5*x^3+15*x^2)/(x-1)/(20*x^3+45*x^2+18*x+1)$  lgdegf  
A062143 4.72546 [  $\{(-n^2-15*n-54)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 40\}$ , ogf]  
A062143 7.60482  $-40*(1+14*x+42*x^2+35*x^3+7*x^4)/(x-1)/(35*x^4+140*x^3+126*x^2+28*x+1)$  lgdegf  
A062144 4.28578 [  $\{(-n^2-17*n-70)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 54\}$ , ogf]  
A062146 26.0498  $-3+4*x+(1-2*x+x^2)*f(x)$  lgdegf  
A062146 4.01511 [  $\{(-n^2-7*n-10)*a(n+1)+(2*n+7)*a(n+2)-a(n+3), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]

A062147 14.1049  $-65+52*x+(8-22*x+13*x^2)*f(x)+(1-2*x+x^2)*f(x)^2$  lgdegf  
A062147 4.78485  $[ \{ (-n^2-7*n-10)*a(n+1)+(2*n+9)*a(n+2)-a(n+3), a(0) = 1, a(1) = 5, a(2) = 31 \}, ogf]$   
A062148 18.1882  $-14*(3*x+1)/(6*x+1)/(x-1)$  lgdegf  
A062148 4.05039  $[ \{ (-n^2-11*n-24)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 14 \}, ogf]$   
A062149 12.5833  $-24*(1+7*x+7*x^2)/(x-1)/(21*x^2+14*x+1)$  lgdegf  
A062149 4.36382  $[ \{ (-n^2-13*n-36)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 24 \}, ogf]$   
A062150 4.62902  $[ \{ (-n^2-15*n-50)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 36 \}, ogf]$   
A062150 9.47722  $-36*(1+12*x+28*x^2+14*x^3)/(x-1)/(56*x^3+84*x^2+24*x+1)$  lgdegf  
A062151 4.23869  $[ \{ (-n^2-17*n-66)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 50 \}, ogf]$   
A062151 6.35489  $-10*(5+90*x+126*x^2+420*x^3+360*x^4)/(x-1)/$   
 $(126*x^4+336*x^3+216*x^2+36*x+1)$  lgdegf  
A062152 4.40352  $[ \{ (-n^2-19*n-84)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 66 \}, ogf]$   
A062152 5.38666  $-66*(1+25*x+42*x^2+300*x^3+210*x^4+150*x^5)/(x-1)/$   
 $(252*x^5+1050*x^4+1200*x^3+450*x^2+50*x+1)$  lgdegf  
A062157 13.4189  $[ -a(n+2)-a(n+1), a(0) = 0, a(1) = 1 ], ogf]$   
A062157 130.013  $-x/(-1+x)$  revogf  
A062157 146.265  $-1/(x+1)$  lgdogf  
A062157 32.8532  $[ x/(x+1) ogf]$   
A062157 45.2721  $[ [-1+x] ogf\_with\_Euler\_transform]$   
A062158 12.5688  $[ (4*x-1)*(x^2+1)/(x-1)^4 ogf]$   
A062158 23.4160  $-2*x*(5+5*x+2*x^2)/(x-1)/(-1+4*x)/(x^2+1)$  lgdogf  
A062158 5.25978  $[ \{ (11*n^2+23*n+2)*a(n+1)+(16*n^2+200*n+336)*a(n$   
 $+2)+(-27*n^2-109*n-84)*a(n+3), a(0) = -1, a(1) = 0, a(2) = 5 \}, ogf]$   
A062159 12.2184  $-6*x*(7+x^4+42*x+56*x^2+14*x^3)/(x-1)/$   
 $(6*x^5+27*x^4+76*x^3+6*x^2+6*x-1)$  lgdogf  
A062159 7.67207  $[ (6*x^5+27*x^4+76*x^3+6*x^2+6*x-1)/(x-1)^6 ogf]$   
A062189 10.2568  $[ -2*x*(x+1)/(3*x-1)^3 ogf]$   
A062189 23.8297  $-2*(5+3*x)/(x+1)/(-1+3*x)$  lgdogf  
A062189 5.30833  $[ \{ a(n+3)-9*a(n+2)+27*a(n+1)-27*a(n), a(0) = 0, a(1) = 2, a(2) = 20 \}, ogf]$   
A062191 3.94637  $[ \{ (-n^2-9*n-14)*a(n+1)+(2*n+9)*a(n+2)-a(n+3), a(0) = 1, a(1) = 5, a(2) = 29 \}, ogf]$   
A062191 33.0816  $-(-5+6*x)/(x-1)^2$  lgdegf  
A062192 28.3321  $-(-7+6*x)/(x-1)^2$  lgdegf  
A062192 3.39986  $[ \{ (-n^2-9*n-14)*a(n+1)+(2*n+11)*a(n+2)-a(n+3), a(0) = 1, a(1) = 7, a(2) = 57 \}, ogf]$   
A062193 5.75086  $[ -(10*x^3+30*x^2+15*x+1)/(x-1)^9 egf]$   
A062193 6.40096  $[ \{ (-n^2-12*n-35)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 24 \}, ogf]$   
A062193 8.98525  $-12*(2+15*x+5*x^2+20*x^3)/(x-1)/(10*x^3+30*x^2+15*x+1)$  lgdegf  
A062194 4.60491  $[ \{ (-n^2-14*n-48)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 35 \}, ogf]$   
A062194 7.62462  $-35*(1+12*x+30*x^2+20*x^3+3*x^4)/(x-1)/$   
 $(15*x^4+80*x^3+90*x^2+24*x+1)$  lgdegf  
A062195 4.19159  $[ \{ (-n^2-16*n-63)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 48 \}, ogf]$   
A062195 5.41610  $-24*(2+35*x+7*x^2+70*x^3+175*x^4+140*x^5)/(x-1)/$   
 $(21*x^5+175*x^4+350*x^3+210*x^2+35*x+1)$  lgdegf  
A062197 14.0724  $-4+6*x+(4-7*x+2*x^2)*f(x)+(-x^2-1+2*x)*f(x)^2$  lgdegf  
A062197 4.30950  $[ \{ (n^2+6*n+8)*a(n+1)+(-2*n-6)*a(n+2)+a(n+3), a(0) = 1, a(1) = 2, a(2) = 5 \}, ogf]$   
A062199 27.4814  $-6*(2+5*x)/(5*x+1)/(x-1)$  lgdegf  
A062199 5.83767  $[ \{ (-n^2-10*n-21)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 12 \}, ogf]$   
A062199 7.54306  $[ -(5*x+1)/(x-1)^7 egf]$   
A062200 13.8211  $[ -(x^2-x-1)/(x^4-x^3-2*x^2+1) ogf]$   
A062200 15.2266  $-(x+1)*(2*x^4-6*x^3+4*x^2+x+1)/(x^2-x-1)/(x^4-x^3-2*x^2+1)$   
lgdogf  
A062201 5.66788  $[ -(x^3-x^2-1)*(x^3-x-1)/(x^9-x^8-x^7-2*x^6+x^5+x^4+4*x^3-1) ogf]$   
A062201 5.68734  $-(x^2+x$   
 $+1)*(3*x^12-9*x^11+3*x^10+6*x^9+7*x^8-5*x^7-11*x^6+7*x^2+x+1)/(x^3-x-1)/(x^9-$   
 $x^8-x^7-2*x^6+x^5+x^4+4*x^3-1)/(x^3-x^2-1)$  lgdogf  
A062236 8.84677  $1/1458*(-(1+12*x)^(1/2)+6*(1+12*x)^(1/2)*x+1+216*x^3-54*x^2)/x^3$

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revogf
A062242 16.6225 [-(x^2-1)/(x^4+x^2+1) ogf_with_Euler_transform]
A062243 11.0231 [-(2*x^10-2*x^7-2*x^6-2*x^4-2*x^3-2)/(x^12-1)
ogf_with_Euler_transform]
A062244 11.3181 [-(x^6+x^5+2*x^4-2*x^2-x+1)/(x^8+x^4+1)
ogf_with_Euler_transform]
A062246 10.3142 [-(x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^9-1)
ogf_with_Euler_transform]
A062257 6.50643 [-(x^2+x+1)*(x^7-x^6-x^5+x^4-x^3+x-1)/(x^10-x^9-x^8-x^6+x^5-2*x
+1) ogf]
A062258 11.8565 -(2+x^12-x^6+4*x^3)/(x^6+x^3+1)/(x^7-x^6+2*x^4-x^3+2*x-1) lgdogf
A062258 8.51459 [-(x^6+x^3+1)/(x^7-x^6+2*x^4-x^3+2*x-1) ogf]
A062259 4.62513 [-(x+1)*(x^2+1)*(x^6+x^5+x^4+1)/
(x^10+x^9+2*x^8+2*x^7+x^4+x^3+x^2+x-1) ogf]
A062260 12.1567 -21*(x+1)*(5*x+1)/(x-1)/(15*x^2+12*x+1) lgdegf
A062260 4.21916 [{{(-n^2-12*n-32)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 21}}, ogf]
A062261 4.55670 [{{(-n^2-14*n-45)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 32}}, ogf]
A062261 9.49869 -8*(4+42*x+84*x^2+35*x^3)/(x-1)/(35*x^3+63*x^2+21*x+1) lgdegf
A062262 4.16804 [{{(-n^2-16*n-60)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 45}}, ogf]
A062262 6.59849 -45*(1+16*x+14*x^4+56*x^3+56*x^2)/(x-1)/
(70*x^4+224*x^3+168*x^2+32*x+1) lgdegf
A062263 4.35643 [{{(-n^2-18*n-77)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 60}}, ogf]
A062263 5.44619 -30*(2+45*x+42*x^5+420*x^3+252*x^4+240*x^2)/(x-1)/
(126*x^5+630*x^4+840*x^3+360*x^2+45*x+1) lgdegf
A062265 10.3622 -68+85*x+(25-44*x+17*x^2)*f(x)+(-2+4*x-2*x^2)*f(x)^2 lgdegf
A062265 3.70100 [{{(-n^2-8*n-12)*a(n+1)+(2*n+8)*a(n+2)-a(n+3), a(0) = 1, a(1) =
4, a(2) = 19}}, ogf]
A062266 13.1699 -222+185*x+(25-64*x+37*x^2)*f(x)+(2-4*x+2*x^2)*f(x)^2 lgdegf
A062266 4.89647 [{{(-n^2-8*n-12)*a(n+1)+(2*n+10)*a(n+2)-a(n+3), a(0) = 1, a(1) =
6, a(2) = 43}}, ogf]
A062267 122.037 2-2*x lgdegf
A062267 4.98253 [{{(2*n+4)*a(n+1)+a(n+3)-2*a(n+2), a(0) = 1, a(1) = 2, a(2) = 2}},
ogf]
A062317 12.2742 -(2+18*x+x^5+3*x^4+23*x^3+13*x^2)/(x-1)/(1+x)/(x^4+x^3+6*x^2+x
+1) lgdogf
A062317 8.74613 [-(x^4+x^3+6*x^2+x+1)/(x+1)^2/(x-1)^3 ogf]
A062318 12.3502 [x*(x+1)/(x-1)/(3*x^2-1) ogf]
A062318 15.4065 -2*(-1-3*x+3*x^3+3*x^2)/(x-1)/(x+1)/(3*x^2-1) lgdogf
A062318 6.34197 [{-a(n+3)+a(n+2)+3*a(n+1)-3*a(n), a(0) = 0, a(1) = 1, a(2) = 2}},
ogf]
A062330 7.26705 (2+12*x+2496*x^5+831*x^4-14*x^3-7176*x^6+3888*x^7+33*x^2)/(x-1)/
(648*x^7-528*x^6-168*x^5-3*x^4-13*x^3-6*x^2-x-1) lgdogf
A062330 8.73464 [2*(648*x^7-528*x^6-168*x^5-3*x^4-13*x^3-6*x^2-x-1)/(x-1) ogf]
A062346 19.6561 -5*(x+3)*(3*x+1)/(x-1)/(5*x^2+10*x+1) lgdogf
A062346 3.63363 [{{(n+4)*a(n+4)+(12+9*n)*a(n+3)+(-60-5*n)*a(n+2)+(-20-5*n)*a(n
+1), a(0) = 3, a(1) = 45, a(2) = 210, a(3) = 630}}, ogf]
A062346 9.15136 [ -3*(5*x^2+10*x+1)/(x-1)^5 ogf]
A062389 8.43191 [ (x+1)*(2*x^6+x^5+2*x^4+2*x^3+x^2+2*x+1)/(x^6+x^5+x^4+x^3+x^2+x
+1)/(x-1)^2 ogf]
A062392 20.7047 -3*(5+14*x+x^2)/(x-1)/(x^2+10*x+1) lgdogf
A062392 3.60922 [{{(n+3)*a(n+4)+(3+9*n)*a(n+3)+(-51-9*n)*a(n+2)+(-3-n)*a(n+1),
a(0) = 0, a(1) = 1, a(2) = 15, a(3) = 66}}, ogf]
A062392 8.50744 [ -x*(x^2+10*x+1)/(x-1)^5 ogf]
A062393 6.06869 [x*(x^4+26*x^3+66*x^2+26*x+1)/(x+1)/(x-1)^6 ogf]
A062393 8.67082 -(31+269*x+3*x^5+564*x^2+464*x^3+109*x^4)/(x-1)/(x+1)/
(x^4+26*x^3+66*x^2+26*x+1) lgdogf
A062394 13.4635 [-(7*x-2)/(6*x-1)/(x-1) ogf]
A062394 15.6232 -(7-24*x+42*x^2)/(x-1)/(6*x-1)/(7*x-2) lgdogf
A062394 7.38852 [a(n+2)-7*a(n+1)+6*a(n), a(0) = 2, a(1) = 7}], ogf]
A062395 13.6472 [ -(9*x-2)/(8*x-1)/(x-1) ogf]
A062395 15.8458 -(9-32*x+72*x^2)/(x-1)/(8*x-1)/(9*x-2) lgdogf

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A062395 7.48933  $[ \{a(n+2)-9*a(n+1)+8*a(n), a(0) = 2, a(1) = 9\}, \text{ogf}]$   
A062396 12.2163  $[ -2*(5*x-1)/(9*x-1)/(x-1) \text{ogf}]$   
A062396 14.7997  $-(5-18*x+45*x^2)/(x-1)/(9*x-1)/(5*x-1) \text{lgdogf}$   
A062396 16.0682  $-(-1-5*x+(16*x^2+1)^(1/2))/(10+9*x) \text{revogf}$   
A062396 6.83531  $[ \{a(n+2)-10*a(n+1)+9*a(n), a(0) = 2, a(1) = 10\}, \text{ogf}]$   
A062397 11.5615  $[ -(11*x-2)/(10*x-1)/(x-1) \text{ogf}]$   
A062397 12.9378  $-(11-40*x+110*x^2)/(x-1)/(11*x-2)/(10*x-1) \text{lgdogf}$   
A062397 6.52884  $[ \{a(n+2)-11*a(n+1)+10*a(n), a(0) = 2, a(1) = 11\}, \text{ogf}]$   
A062508 12.2163  $[ -8*(8*x-1)/(9*x-1)/(x-1) \text{ogf}]$   
A062508 14.0597  $-(-4-5*x+2*(4-6*x+4*x^2)^(1/2))/(64+9*x) \text{revogf}$   
A062508 14.4202  $-2*(1-9*x+36*x^2)/(x-1)/(8*x-1)/(9*x-1) \text{lgdogf}$   
A062508 6.83531  $[ \{a(n+2)-10*a(n+1)+9*a(n), a(0) = 8, a(1) = 16\}, \text{ogf}]$   
A062510 17.1554  $1/4*(-x-3+(3*x^2+2*x+3)^(1/2)*3^(1/2))/x \text{revogf}$   
A062510 18.8274  $[ -3*x/(x+1)/(2*x-1) \text{ogf}]$   
A062510 29.8355  $-(1+4*x)/(1+x)/(-1+2*x) \text{lgdogf}$   
A062510 8.60017  $[ \{-a(n+2)+a(n+1)+2*a(n), a(0) = 0, a(1) = 3\}, \text{ogf}]$   
A062544 14.1288  $[ -x/(x^3+x^2+x-1)/(x-1)^2 \text{ogf}]$   
A062544 18.4276  $-(-3+x+5*x^3+x^2)/(x-1)/(x^3+x^2+x-1) \text{lgdogf}$   
A062545 17.3994  $[ -x*(3*x-5)/(x-1)^2 \text{ogf}]$   
A062545 24.7086  $-1/2*(-5-2*x+(25+8*x)^(1/2))/(x+3) \text{revogf}$   
A062545 36.5258  $-(-7+3*x)/(x-1)/(3*x-5) \text{lgdogf}$   
A062545 8.44129  $[ \{a(n+3)-2*a(n+2)+a(n+1), a(0) = 0, a(1) = 5, a(2) = 7\}, \text{ogf}]$   
A062547 11.9104  $- (3+16*x+15*x^4+24*x^3+26*x^2)/(1+x)/(3*x^2-1)/(5*x^2+4*x+1) \text{lgdogf}$   
A062547 11.9483  $[ -(5*x^2+4*x+1)/(x+1)/(3*x^2-1) \text{ogf}]$   
A062547 6.50756  $[ \{-a(n+3)-a(n+2)+3*a(n+1)+3*a(n), a(0) = 1, a(1) = 3, a(2) = 5\}, \text{ogf}]$   
A062561 5.20045  $[ \{(-4*n^2-14*n-12)*a(n+1)+(n^2+4*n+3)*a(n+2), a(0) = 0, a(1) = 3\}, \text{ogf}]$   
A062561 9.99548  $1/8*((x^2+18*x+9)^(1/2)*x+3*(x^2+18*x+9)^(1/2)-9-12*x+x^2)/x^2 \text{revogf}$   
A062708 14.0384  $[ -x*(7*x+2)/(x-1)^3 \text{ogf}]$   
A062708 32.8625  $-(13+14*x)/(7*x+2)/(x-1) \text{lgdogf}$   
A062708 7.14452  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 13\}, \text{ogf}]$   
A062709 10.7763  $1/2*\ln(2*x+7)-\text{arctanh}(1/3*(2*x+16)^(1/2))-1/2*\ln(7)+\text{arctanh}(4/3) \text{revogf}$   
A062709 15.6343  $[ -(7*x-4)/(2*x-1)/(x-1) \text{ogf}]$   
A062709 17.6842  $-(5-16*x+14*x^2)/(x-1)/(7*x-4)/(-1+2*x) \text{lgdogf}$   
A062709 8.57982  $[ \{a(n+2)-3*a(n+1)+2*a(n), a(0) = 4, a(1) = 5\}, \text{ogf}]$   
A062717 10.0899  $[ -4*(x^2+x+1)*x/(x+1)^2/(x-1)^3 \text{ogf}]$   
A062717 19.1811  $-(2+8*x+3*x^3+5*x^2)/(x-1)/(x+1)/(x^2+x+1) \text{lgdogf}$   
A062717 32.5181  $[ -x^2+2*x+2 \text{ogf\_with\_Euler\_transform}]$   
A062723 7.21694  $(-1-4*x+36*x^7+162*x^8-108*x^5+27*x^6-42*x^3-36*x^4-18*x^2)/(3*x^3-1)/(18*x^6+6*x^5+9*x^4+3*x^3+2*x^2+x+1) \text{lgdogf}$   
A062723 9.51037  $[ -(18*x^6+6*x^5+9*x^4+3*x^3+2*x^2+x+1)/(3*x^3-1) \text{ogf}]$   
A062724 11.0020  $-(2+2*x+6*x^5+3*x^4-8*x^3-3*x^2)/(x-1)/(x+1)/(3*x^2-2)/(x^2+x-1) \text{lgdogf}$   
A062724 11.0550  $[ -(3*x^2-2)/(x-1)/(x+1)/(x^2+x-1) \text{ogf}]$   
A062725 14.1055  $[ -x*(2*x+7)/(x-1)^3 \text{ogf}]$   
A062725 34.4578  $-(23+4*x)/(2*x+7)/(x-1) \text{lgdogf}$   
A062725 7.17870  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 23\}, \text{ogf}]$   
A062728 14.1055  $[ -x*(x+8)/(x-1)^3 \text{ogf}]$   
A062728 37.7395  $-(25+2*x)/(x+8)/(x-1) \text{lgdogf}$   
A062728 7.17870  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 25\}, \text{ogf}]$   
A062730 6.21904  $(12+16*x+44*x^5-20*x^4-21*x^3-11*x^8+28*x^6-44*x^7-7*x^2+15*x^9)/(x-1)/(1+x)/(5*x^8-3*x^7-7*x^6+3*x^5-5*x^4+5*x^3+12*x^2-5*x-7) \text{lgdogf}$   
A062730 6.39503  $[ (5*x^8-3*x^7-7*x^6+3*x^5-5*x^4+5*x^3+12*x^2-5*x-7)/(x+1)^2/$



$(x-1)^3$  ogf]  
A062741 14.0384  $[-3*(2*x+1)*x/(x-1)^3$  ogf]  
A062741 35.8500  $-(4*x+5)/(2*x+1)/(x-1)$  lgdogf  
A062741 7.14452  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 15},$   
ogf]  
A062747 9.48226  $1/2*(-2*x^2+1-3*x+(-7*x^2+1-10*x)^(1/2))*x/(x+1)^3$  revogf  
A062748 18.8700  $-(9-7*x+2*x^2)/(x-1)/(x^2-3*x+3)$  lgdogf  
A062748 8.96217  $[(x^2-3*x+3)/(x-1)^4$  ogf]  
A062749 5.38523  $[(3*x^4-15*x^3+30*x^2-29*x+12)/(x-1)^6$  ogf]  
A062749 8.60607  $-(43-85*x+6*x^4-33*x^3+75*x^2)/(x-1)/(3*x^4-15*x^3+30*x^2-29*x$   
 $+12)$  lgdogf  
A062765 10.3311  $[-6*x^2*(8*x^2-5*x+1)/(x-1)^5$  ogf]  
A062765 28.8501  $-4*x*(6*x-1)/(x-1)/(8*x^2-5*x+1)$  lgdogf  
A062765 5.57253  $[{(48+24*n)*a(n+1)+(7*n^2-14*n)*a(n+2)+(-7*n^2+18*n+25)*a(n+3),$   
 $a(0) = 0, a(1) = 0, a(2) = 6},$  ogf]  
A062779 4.15328  $[{(-4*n^3-22*n^2-40*n-24)*a(n+1)+(n+1)*a(n+2), a(0) = 0, a(1) =$   
 $4},$  ogf]  
A062781 11.3929  $[-x^3/(x^2+x+1)/(x-1)^3$  ogf]  
A062781 21.5161  $-(2+2*x+5*x^2)/(x-1)/(1+x^2+x)$  lgdogf  
A062781 25.8417  $[[x^2+2]$  ogf\_with\_Euler\_transform]  
A062781 4.03351  $[{(n+3)*a(n+1)+2*a(n+2)+2*a(n+3)+(-n-1)*a(n+4), a(0) = 0, a(1) =$   
 $0, a(2) = 0, a(3) = 1},$  ogf]  
A062783 12.9975  $[-3*x*(5*x+3)/(x-1)^3$  ogf]  
A062783 30.9464  $-2*(5*x+7)/(5*x+3)/(x-1)$  lgdogf  
A062783 6.73085  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 9, a(2) = 42},$   
ogf]  
A062786 13.0425  $[-(x^2+8*x+1)/(x-1)^3$  ogf]  
A062786 24.3864  $-(11+18*x+x^2)/(x-1)/(x^2+8*x+1)$  lgdogf  
A062786 6.97888  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 11, a(2) =$   
 $31},$  ogf]  
A062828 10.0101  $[(2*x^6+x^5+3*x^4+2*x^3+6*x^2+x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$   
ogf]  
A062828 7.53318  $-(1+12*x+48*x^5+12*x^4+20*x^3+3*x^8+10*x^6+12*x^7+6*x^2+4*x^9)/$   
 $(x-1)/(1+x)/(x^2+1)/(2*x^6+x^5+3*x^4+2*x^3+6*x^2+x+1)$  lgdogf  
A062882 12.5115  $[(3*x^3-9*x+4)/(3*x^3-3*x+1)$  ogf]  
A062882 16.2445  $-3*(1-2*x+3*x^4)/(3*x^2-1)/(3*x^3-3*x+1)$  lgdogf  
A062882 5.76616  $[{-a(n+4)+3*a(n+3)-3*a(n+1), a(0) = 4, a(1) = 3, a(2) = 9, a(3)$   
 $= 18},$  ogf]  
A062883 5.43017  $-(12-46*x+16*x^7+5*x^8+32*x^2+28*x^3+27*x^4-56*x^5-4*x^6)/$   
 $(5*x^4+8*x^3-15*x^2-4*x+4)/(x^5+2*x^4-5*x^3-2*x^2+4*x-1)$  lgdogf  
A062883 6.72416  $[-(5*x^4+8*x^3-15*x^2-4*x+4)/(x^5+2*x^4-5*x^3-2*x^2+4*x-1)$  ogf]  
A062890 5.60163  $[x^4*(x^3-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x+1)^3/(x-1)^4$   
ogf]  
A062890 6.67324  $-(1+x+4*x^2+6*x^3+6*x^4+8*x^5+9*x^6+x^7+10*x^10+12*x^8-10*x^9)/$   
 $(-1+x)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^3-x^2+1)$  lgdogf  
A062897 6.00365  $[-2*(55*x^25-55*x^24+5*x^20-5*x^19+5*x^15-5*x^14+5*x^10-5*x^9+5*x^5-5*x^4-1)/$   
 $(x-1)^2$  ogf]  
A062905 10.4311  $[-15*x*(294*x^7-294*x^6+33*x-34)/(x-1)^2$  ogf]  
A062905 11.3389  $(35-33*x+1764*x^5-3234*x^6+1470*x^7)/(x-1)/$   
 $(294*x^7-294*x^6+33*x-34)$  lgdogf  
A062908 5.45735  $[-2*(56*x^20-x^17-51*x^16+x^15-x^11+x^10-x^6+x^5+4*x^4-x^3-$   
 $x^2-2*x-10)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A062938 12.1458  $-(25+92*x+x^4-4*x^3+6*x^2)/(x-1)/(x^4-4*x^3+6*x^2+20*x+1)$  lgdogf  
A062938 7.35724  $[-(x^4-4*x^3+6*x^2+20*x+1)/(x-1)^5$  ogf]  
A062966 12.5419  $-(-22+28*x+4*x^3-17*x^2)/(x-1)/(x-2)/(x^2-2*x+2)$  lgdogf  
A062966 5.86302  $[(x-2)*(x^2-2*x+2)/(x-1)^7$  ogf]  
A062988 3.69019  $[{(n+8)*a(n+1)+(-2*n-12)*a(n+2)+(n+4)*a(n+3), a(0) = 5, a(1) =$   
 $20, a(2) = 55},$  ogf]  
A062988 5.32641  $[(x^4-5*x^3+10*x^2-10*x+5)/(x-1)^6$  ogf]  
A062988 8.74594  $-(20-30*x+2*x^4-11*x^3+25*x^2)/(-1+x)/(x^4-5*x^3+10*x^2-10*x+5)$

lgdogf  
 A062989 12.6579  $-(25-40*x+3*x^4-16*x^3+35*x^2)/(x-1)/(x^4-5*x^3+10*x^2-10*x+5)$   
 lgdogf  
 A062989 4.46933  $[{(n^2+11*n+24)*a(n+1)+(-2*n^2-16*n-24)*a(n+2)+(n^2+5*n+6)*a(n+3), a(0) = 0, a(1) = 5, a(2) = 25}, ogf]$   
 A062989 6.68522  $[-x*(x^4-5*x^3+10*x^2-10*x+5)/(x-1)^7 ogf]$   
 A062990 3.44131  $[{(n^2+15*n+50)*a(n+1)+(-2*n^2-22*n-48)*a(n+2)+(n^2+7*n+12)*a(n+3), a(0) = 5, a(1) = 30, a(2) = 110}, ogf]$   
 A062990 5.05095  $[(x^4-5*x^3+10*x^2-10*x+5)/(x-1)^8 ogf]$   
 A062990 9.88465  $-(30-50*x-21*x^3+4*x^4+45*x^2)/(x-1)/(x^4-5*x^3+10*x^2-10*x+5)$   
 lgdogf  
 A062992 34.3852  $-x*(-1+x)/(x+1)^2 revogf$   
 A062998 7.48418  $[-(10*x^17-12*x^9-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2 ogf]$   
 A063016 11.0866  $-3+8*x+(1-12*x+32*x^2)*f(x)+(-12*x^2+32*x^3+x)*f(x)^2 lgdogf$   
 A063016 24.4830  $(-3*x+(8*x^2+1)^(1/2))*x revogf$   
 A063016 3.25962  $[{(-32*n^2-128*n-120)*a(n+1)+(12*n^2+66*n+90)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 14}, ogf]$   
 A063018 12.9195  $a(n+5), a(0)=0, a(1)=1, a(2)=-1, a(3)=-1, a(4)=-1 revogf$   
 A063019 14.2095  $a(n+5), a(0)=0, a(1)=1, a(2)=-1, a(3)=1, a(4)=-1 revogf$   
 A063020 13.7884  $(-2-n)*a(n+3)-a(n+2)+(-3+n)*a(n+1), a(0)=0, a(1)=1, a(2)=-1 revogf$   
 A063021 46.6159  $-x*(-1+x+x^4) revogf$   
 A063022 24.2326  $-x*(x+1)*(x^3-x^2+2*x-1) revogf$   
 A063023 29.2918  $-x*(x^2+1)*(x^2+x-1) revogf$   
 A063024 28.4511  $-x*(-1+x+x^2+x^3+x^4) revogf$   
 A063025 32.0695  $-x*(-1+x-x^2+x^3+x^4) revogf$   
 A063026 25.8609  $-x*(-1+x)*(x+1)*(1-x+x^2) revogf$   
 A063027 29.1232  $-x*(-1+x+x^2-x^3+x^4) revogf$   
 A063028 65.8154  $x*(1-x+x^4) revogf$   
 A063029 28.7614  $x*(-1+x)*(x^3+x^2-1) revogf$   
 A063030 30.9520  $x*(1+x+x^2)*(-1+x)^2 revogf$   
 A063031 30.9442  $x*(1-x-x^2-x^3+x^4) revogf$   
 A063032 31.3417  $x*(1-x-x^2+x^3+x^4) revogf$   
 A063033 15.6120  $a(n+5), a(0)=0, a(1)=1, a(2)=-1, a(3)=0, a(4)=1 revogf$   
 A063034 45.3179  $x*(1-x+x^3+x^4) revogf$   
 A063042 10.6195  $-(7+72*x+28*x^5+36*x^7+9*x^8+108*x^6+54*x^2+36*x^3+15*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(9*x^4+18*x^3+36*x^2+7*x+3) lgdogf$   
 A063042 17.7128  $[-(9*x^4+18*x^3+36*x^2+7*x+3)/(x-1)/(x^4+x^3+x^2+x+1) ogf]$   
 A063052 7.07488  $[3*(10*x^7-296*x^6+30*x^5+30*x^4+30*x^3+30*x^2+173*x+326)/(x^2-x+1)/(x^2+x+1)/(x+1)/(x-1)^2 ogf]$   
 A063081 6.42082  $-(5+19*x+3*x^6+16*x^5+x^7+38*x^4+50*x^3+36*x^2)/(-1+x)/(x+1)/(x^2+x+1)/(x^4+x^3+4*x^2+5*x+3) lgdogf$   
 A063081 7.08766  $[x*(x^4+x^3+4*x^2+5*x+3)/(x^2+x+1)/(x+1)/(x-1)^2 ogf]$   
 A063083 4.24388  $[{(-2*n-4)*a(n+1)+(-n-1)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 0}, ogf]$   
 A063087 8.63692  $[(x^4+x^3+4*x^2+3*x+1)/(x^2+x+1)/(x-1)^2 ogf]$   
 A063087 9.27708  $-2*(2+6*x+x^5+5*x^4+9*x^3+7*x^2)/(x-1)/(x^4+x^3+4*x^2+3*x+1)/(x^2+x+1) lgdogf$   
 A063089 9.16236  $-2*(3+9*x+14*x^3+12*x^2+8*x^4+2*x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^3+2*x^2+4*x+1) lgdogf$   
 A063089 9.24660  $[(x+1)*(x^3+2*x^2+4*x+1)/(x^2+x+1)/(x-1)^2 ogf]$   
 A063092 15.4135  $1/2/(1+11*x)*(-x-1+(45*x^2+6*x+1)^(1/2)) revogf$   
 A063092 16.2197  $[-(x+1)/(11*x^2+x-1) ogf]$   
 A063092 17.6155  $-(2+22*x+11*x^2)/(x+1)/(11*x^2+x-1) lgdogf$   
 A063092 8.98922  $[{-a(n+2)+a(n+1)+11*a(n), a(0) = 1, a(1) = 2}, ogf]$   
 A063093 10.7129  $[x*(x^2+4*x+5)/(x+1)/(x-1)^2 ogf]$   
 A063093 16.3001  $-(x+3)*(x^2+6*x+3)/(x-1)/(x+1)/(x^2+4*x+5) lgdogf$   
 A063093 5.27530  $[{-a(n+4)+a(n+3)+a(n+2)-a(n+1), a(0) = 0, a(1) = 5, a(2) = 9, a(3) = 15}, ogf]$   
 A063094 10.5454  $[(x^3+4*x^2+7*x+2)/(x+1)/(x-1)^2 ogf]$   
 A063094 14.2398  $-(x+3)*(5*x^2+6*x+3)/(x-1)/(1+x)/(x^3+4*x^2+7*x+2) lgdogf$

A063094 5.43012 [ $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 2, a(1) = 9, a(2) = 15, a(3) = 23\}$ , ogf]  
A063095 12.9853 [  $-(6*x^{29}+2*x^{23}+2*x^8+2*x^3+x+1)/(x-1)$  ogf]  
A063095 9.04476  $2*(-1+2*x^3-8*x^7+7*x^8+84*x^{29}+22*x^{23}-23*x^{22}-87*x^{28}-3*x^2)/(x-1)/(6*x^{29}+2*x^{23}+2*x^8+2*x^3+x+1)$  lgdogf  
A063097 10.2620 [  $(x^3+2*x^2+5*x+2)/(x+1)/(x-1)^2$  ogf]  
A063097 13.3159  $-(7+15*x+3*x^3+15*x^2)/(x-1)/(x+1)/(x^3+2*x^2+5*x+2)$  lgdogf  
A063097 5.28415 [ $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 2, a(1) = 7, a(2) = 11, a(3) = 17\}$ , ogf]  
A063098 14.2457 [  $(x^2+8*x+3)/(x-1)^2$  ogf]  
A063098 25.4956  $-2*(5*x+7)/(-1+x)/(x^2+8*x+3)$  lgdogf  
A063098 7.25981 [ $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 3, a(1) = 14, a(2) = 26\}$ , ogf]  
A063099 9.16236  $-(7+19*x+27*x^3+25*x^2+15*x^4+3*x^5)/(x-1)/(x^2+x+1)/(x^4+2*x^3+6*x^2+5*x+2)$  lgdogf  
A063099 9.24660 [  $(x^4+2*x^3+6*x^2+5*x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A063102 10.8289 [  $(x^3+5*x^2+9*x+3)/(x+1)/(x-1)^2$  ogf]  
A063102 14.0682  $-2*(x+3)*(3*x^2+4*x+2)/(x-1)/(x+1)/(x^3+5*x^2+9*x+3)$  lgdogf  
A063102 5.53479 [ $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 3, a(1) = 12, a(2) = 20, a(3) = 30\}$ , ogf]  
A063105 6.67996  $-(9+39*x+25*x^6+70*x^5+114*x^3+3*x^7+112*x^4+84*x^2)/(x-1)/(1+x)/(x^2+x+1)/(x^5+3*x^4+10*x^3+13*x^2+9*x+2)$  lgdogf  
A063105 7.95301 [  $(x^5+3*x^4+10*x^3+13*x^2+9*x+2)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063107 11.2546  $-2*(6+10*x+13*x^2+10*x^3+3*x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2+3*x+3)$  lgdogf  
A063107 9.57944 [  $(x^2+3*x+3)*(x+1)^2/(x^2+x+1)/(x-1)^2$  ogf]  
A063109 10.6588 [  $(x^3+3*x^2+7*x+3)/(x+1)/(x-1)^2$  ogf]  
A063109 13.3298  $-2*(5+11*x+2*x^3+10*x^2)/(x-1)/(1+x)/(x^3+3*x^2+7*x+3)$  lgdogf  
A063109 5.44785 [ $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 3, a(1) = 10, a(2) = 16, a(3) = 24\}$ , ogf]  
A063110 14.1992 [  $(x^2+10*x+5)/(x-1)^2$  ogf]  
A063110 25.9003  $-4*(5+3*x)/(x-1)/(x^2+10*x+5)$  lgdogf  
A063110 7.37265 [ $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 5, a(1) = 20, a(2) = 36\}$ , ogf]  
A063111 9.55143 [  $(x^4+3*x^3+8*x^2+7*x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
A063111 9.59749  $-2*(1+x)*(2*x^4+8*x^3+10*x^2+8*x+5)/(x-1)/(x^2+x+1)/(x^4+3*x^3+8*x^2+7*x+3)$  lgdogf  
A063116 14.1267 [  $(x^2+12*x+3)/(x-1)^2$  ogf]  
A063116 25.7654  $-2*(9+7*x)/(x-1)/(x^2+12*x+3)$  lgdogf  
A063116 7.33504 [ $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 3, a(1) = 18, a(2) = 34\}$ , ogf]  
A063117 9.50062  $-2*(2*x^2+5*x+5)*(2*x^3+2*x^2+2*x+1)/(x-1)/(x^2+x+1)/(x^4+7*x^3+10*x^2+9*x+1)$  lgdogf  
A063117 9.57944 [  $(x^4+7*x^3+10*x^2+9*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A063118 11.5754 [  $(x^3+12*x^2+15*x+2)/(x+1)/(x-1)^2$  ogf]  
A063118 14.3923  $-(17+45*x+45*x^2+13*x^3)/(x-1)/(x+1)/(x^3+12*x^2+15*x+2)$  lgdogf  
A063118 6.08778 [ $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 2, a(1) = 17, a(2) = 31, a(3) = 47\}$ , ogf]  
A063120 14.3933 [  $(x^2+8*x+5)/(x-1)^2$  ogf]  
A063120 26.6856  $-2*(9+5*x)/(x-1)/(x^2+8*x+5)$  lgdogf  
A063120 7.33504 [ $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 5, a(1) = 18, a(2) = 32\}$ , ogf]  
A063121 10.8289 [  $(x^3+4*x^2+9*x+4)/(x+1)/(x-1)^2$  ogf]  
A063121 13.8028  $-(13+29*x+25*x^2+5*x^3)/(x-1)/(x+1)/(x^3+4*x^2+9*x+4)$  lgdogf  
A063121 5.53479 [ $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 4, a(1) = 13, a(2) = 21, a(3) = 31\}$ , ogf]  
A063122 14.1992 [  $(x^2+13*x+4)/(x-1)^2$  ogf]  
A063122 25.9003  $-3*(5*x+7)/(x-1)/(x^2+13*x+4)$  lgdogf  
A063122 7.37265 [ $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 4, a(1) = 21, a(2) = 39\}$ , ogf]  
A063125 9.52928  $-2*(9+23*x+34*x^2+32*x^3+18*x^4+4*x^5)/(x-1)/(x+1)/(x^3+6*x^2+8*x+5)/(x^2+x+1)$  lgdogf  
A063125 9.60673 [  $(x+1)*(x^3+6*x^2+8*x+5)/(x^2+x+1)/(x-1)^2$  ogf]  
A063126 10.8978 [  $(x+2)*(x^2+6*x+3)/(x+1)/(x-1)^2$  ogf]  
A063126 14.6509  $-(x+3)*(9*x^2+14*x+7)/(x-1)/(x+2)/(x+1)/(x^2+6*x+3)$  lgdogf  
A063126 5.65070 [ $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 6, a(1) = 21, a(2) = 35,$

$a(3) = 51$ }, ogf]  
A063128 14.0510 [  $(x^2+16x+7)/(x-1)^2$  ogf]  
A063128 25.6300  $-6*(5+3x)/(x-1)/(x^2+16x+7)$  lgdogf  
A063128 7.29572 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 7, a(1) = 30, a(2) = 54\}$ , ogf]  
A063129 6.68600  $-(15+65x+39x^2+5x^3+140x^4+190x^5+180x^6+110x^7)/(x-1)/(x+1)/(x^2+x+1)/(x^5+5x^4+16x^3+21x^2+15x+4)$  lgdogf  
A063129 8.16422 [  $(x^5+5x^4+16x^3+21x^2+15x+4)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063130 14.4671 [  $(x+7)*(x+1)/(x-1)^2$  ogf]  
A063130 25.9003  $-2*(11+5x)/(x-1)/(x+7)/(x+1)$  lgdogf  
A063130 7.37265 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 7, a(1) = 22, a(2) = 38\}$ , ogf]  
A063133 10.8978 [  $(x^3+7x^2+15x+5)/(x+1)/(x-1)^2$  ogf]  
A063133 13.5854  $-4*(5+11x+10x^2+2x^3)/(x-1)/(x+1)/(x^3+7x^2+15x+5)$  lgdogf  
A063133 5.65070 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 5, a(1) = 20, a(2) = 32, a(3) = 48\}$ , ogf]  
A063134 14.0510 [  $(x^2+14x+9)/(x-1)^2$  ogf]  
A063134 26.5454  $-16*(x+2)/(x-1)/(x^2+14x+9)$  lgdogf  
A063134 7.29572 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 9, a(1) = 32, a(2) = 56\}$ , ogf]  
A063135 9.12805  $-2*(8+20x+29x^2+27x^3+15x^4+3x^5)/(-1+x)/(x^2+x+1)/(x^4+5x^3+12x^2+11x+5)$  lgdogf  
A063135 9.55722 [  $(x^4+5x^3+12x^2+11x+5)/(x^2+x+1)/(x-1)^2$  ogf]  
A063136 15.2930 [  $(x^2+10x+7)/(x-1)^2$  ogf]  
A063136 28.9264  $-12*(x+2)/(x-1)/(x^2+10x+7)$  lgdogf  
A063136 7.94058 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 7, a(1) = 24, a(2) = 42\}$ , ogf]  
A063139 10.4129  $(-15+3x+14x^2-48x^3+6x^4+28x^5)/(x-1)/(4x^9-2x^8-2x^7-3x^6+9)$  lgdogf  
A063139 10.4888 [  $(4x^9-2x^8-2x^7-3x^6+9)/(x-1)^2$  ogf]  
A063140 14.0510 [  $(x^2+18x+5)/(x-1)^2$  ogf]  
A063140 25.6300  $-4*(5x+7)/(x-1)/(x^2+18x+5)$  lgdogf  
A063140 7.29572 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 5, a(1) = 28, a(2) = 52\}$ , ogf]  
A063141 6.81912  $-2*(9+39x+3x^2+84x^3+114x^4+107x^5+65x^6+23x^7)/(x-1)/(x+1)/(x^2+x+1)/(x^5+6x^4+19x^3+25x^2+18x+5)$  lgdogf  
A063141 8.24926 [  $(x^5+6x^4+19x^3+25x^2+18x+5)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063142 10.5792 [  $(x^3+10x^2+19x+8)/(x+1)/(x-1)^2$  ogf]  
A063142 13.3737  $-(x+3)*(11x^2+18x+9)/(-1+x)/(x+1)/(x^3+10x^2+19x+8)$  lgdogf  
A063142 5.56386 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 8, a(1) = 27, a(2) = 45, a(3) = 65\}$ , ogf]  
A063143 13.9096 [  $(x^2+14x+5)/(x-1)^2$  ogf]  
A063143 24.5185  $-8*(3+2x)/(-1+x)/(x^2+14x+5)$  lgdogf  
A063143 7.22232 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 5, a(1) = 24, a(2) = 44\}$ , ogf]  
A063144 13.9096 [  $(x^2+11x+8)/(x-1)^2$  ogf]  
A063144 24.5185  $-(27+13x)/(-1+x)/(x^2+11x+8)$  lgdogf  
A063144 7.22232 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 8, a(1) = 27, a(2) = 47\}$ , ogf]  
A063146 15.1502 [  $(x^2+16x+11)/(x-1)^2$  ogf]  
A063146 25.5504  $-2*(19+9x)/(-1+x)/(x^2+16x+11)$  lgdogf  
A063146 7.93581 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 11, a(1) = 38, a(2) = 66\}$ , ogf]  
A063147 9.40866  $-(19+47x+69x^2+63x^3+35x^4+7x^5)/(x-1)/(x^2+x+1)/(x^4+6x^3+14x^2+13x+6)$  lgdogf  
A063147 9.60673 [  $(x^4+6x^3+14x^2+13x+6)/(x^2+x+1)/(x-1)^2$  ogf]  
A063148 14.0510 [  $(x^2+16x+7)/(x-1)^2$  ogf]  
A063148 25.6300  $-6*(5+3x)/(x-1)/(x^2+16x+7)$  lgdogf  
A063148 7.29572 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 7, a(1) = 30, a(2) = 54\}$ , ogf]  
A063149 13.1713 [  $-5*(x^2-2x-5)/(x+1)/(x-1)^2$  ogf]  
A063149 18.0869  $-(-7-15x+x^3-3x^2)/(x-1)/(1+x)/(-5x^2-2x)$  lgdogf  
A063149 7.21557 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 25, a(1) = 35, a(2) = 55\}$ , ogf]  
A063150 10.6340 [  $(x^3+11x^2+21x+9)/(x+1)/(x-1)^2$  ogf]  
A063150 13.4445  $-2*(x+3)*(6x^2+10x+5)/(x-1)/(x+1)/(x^3+11x^2+21x+9)$  lgdogf  
A063150 5.59269 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 9, a(1) = 30, a(2) = 50, a(3) = 72\}$ , ogf]  
A063151 14.3933 [  $(x^2+6x+7)/(x-1)^2$  ogf]

A063151 26.6856  $-4*(2*x+5)/(x-1)/(x^2+6*x+7)$  lgdogf  
A063151 7.33504  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 7, a(1) = 20, a(2) = 34}],$  ogf]  
A063152 15.1427  $[ (x^2+20*x+11)/(x-1)^2$  ogf]  
A063152 25.5401  $-2*(21+11*x)/(x-1)/(x^2+20*x+11)$  lgdogf  
A063152 7.93190  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 11, a(1) = 42, a(2) = 74}],$  ogf]  
A063153 10.9537  $[ (x^3+9*x^2+19*x+7)/(x+1)/(x-1)^2$  ogf]  
A063153 13.4126  $-2*(13+29*x+25*x^2+5*x^3)/(x-1)/(x+1)/(x^3+9*x^2+19*x+7)$  lgdogf  
A063153 5.67967  $[{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 7, a(1) = 26, a(2) = 42, a(3) = 62}],$  ogf]  
A063154 13.5140  $[ (x+10)*(x+1)/(x-1)^2$  ogf]  
A063154 25.0961  $-(31+13*x)/(x+10)/(x-1)/(x+1)$  lgdogf  
A063154 7.07876  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 10, a(1) = 31, a(2) = 53}],$  ogf]  
A063155 13.9096  $[ (x+9)*(x+1)/(x-1)^2$  ogf]  
A063155 25.3639  $-4*(7+3*x)/(-1+x)/(x+9)/(x+1)$  lgdogf  
A063155 7.22232  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 9, a(1) = 28, a(2) = 48}],$  ogf]  
A063157 10.8978  $[ (x^3+7*x^2+15*x+7)/(x+1)/(x-1)^2$  ogf]  
A063157 13.3428  $-2*(11+25*x+20*x^2+4*x^3)/(x-1)/(x+1)/(x^3+7*x^2+15*x+7)$  lgdogf  
A063157 5.65070  $[{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 7, a(1) = 22, a(2) = 36, a(3) = 52}],$  ogf]  
A063158 14.9217  $[ (x^2+24*x+11)/(x-1)^2$  ogf]  
A063158 25.1628  $-2*(23+13*x)/(x-1)/(x^2+24*x+11)$  lgdogf  
A063158 7.81613  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 11, a(1) = 46, a(2) = 82}],$  ogf]  
A063159 9.08091  $-2*(13+33*x+47*x^2+45*x^3+25*x^4+5*x^5)/(-1+x)/(x+1)/(x^2+x+1)/(x^3+8*x^2+12*x+7)$  lgdogf  
A063159 9.50786  $[ (x+1)*(x^3+8*x^2+12*x+7)/(x^2+x+1)/(x-1)^2$  ogf]  
A063160 13.8659  $[ (x^2+13*x+10)/(x-1)^2$  ogf]  
A063160 24.1013  $-3*(11+5*x)/(x-1)/(x^2+13*x+10)$  lgdogf  
A063160 7.26310  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 10, a(1) = 33, a(2) = 57}],$  ogf]  
A063161 9.17701  $-2*(15+37*x+56*x^2+50*x^3+28*x^4+6*x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^3+10*x^2+12*x+9)$  lgdogf  
A063161 9.48631  $[ (x+1)*(x^3+10*x^2+12*x+9)/(x^2+x+1)/(x-1)^2$  ogf]  
A063162 15.1554  $[ (x+11)*(x+1)/(x-1)^2$  ogf]  
A063162 27.2607  $-2*(17+7*x)/(x+11)/(x-1)/(x+1)$  lgdogf  
A063162 7.93855  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 11, a(1) = 34, a(2) = 58}],$  ogf]  
A063164 15.3511  $[ (x^2+22*x+9)/(x-1)^2$  ogf]  
A063164 28.0479  $-8*(3*x+5)/(x-1)/(x^2+22*x+9)$  lgdogf  
A063164 7.97075  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 9, a(1) = 40, a(2) = 72}],$  ogf]  
A063165 6.76674  $-2*(12+52*x+4*x^7+30*x^6+112*x^2+152*x^3+141*x^4+85*x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^5+8*x^4+25*x^3+33*x^2+24*x+7)$  lgdogf  
A063165 8.33430  $[ (x^5+8*x^4+25*x^3+33*x^2+24*x+7)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063166 15.3583  $[ (x^2+20*x+7)/(x-1)^2$  ogf]  
A063166 26.2484  $-2*(17+11*x)/(x-1)/(x^2+20*x+7)$  lgdogf  
A063166 7.97450  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 7, a(1) = 34, a(2) = 62}],$  ogf]  
A063168 13.7547  $[ (x^2+22*x+7)/(x-1)^2$  ogf]  
A063168 24.2481  $-12*(3+2*x)/(x-1)/(x^2+22*x+7)$  lgdogf  
A063168 7.14188  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 7, a(1) = 36, a(2) = 66}],$  ogf]  
A063195 6.19826  $[ x*(x^4-x^3+x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063195 6.46570  $-(1+3*x-x^6+x^7+6*x^4+10*x^3+4*x^2)/(-1+x)/(x+1)/(x^2+x+1)/(x^4-x^3+x+1)$  lgdogf  
A063196 12.0838  $-(-3-3*x+x^3-3*x^2)/(-1+x)/(x+1)/(-1+x^2-2*x)$  lgdogf  
A063196 16.3837  $[ -x*(x^2-2*x-1)/(x+1)/(x-1)^2$  ogf]  
A063196 8.12931  $[{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 3}],$  ogf]  
A063197 6.69933  $-(1+7*x+2*x^6+8*x^5+12*x^4+16*x^3+14*x^2)/(-1+x)/(x+1)/(x^2+x+1)/(x^3+2*x^2+x+1)$  lgdogf  
A063197 7.11277  $[ x*(x^3+2*x^2+x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]

A063198 7.34174 [  $x^*(x^3-2*x^2+2*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A063198 8.32080  $-(3-x+x^5-3*x^4+5*x^3+7*x^2)/(-1+x)/(x^2+x+1)/(x^3-2*x^2+2*x+1)$  lgdogf  
A063199 5.65070  $2*(1+5*x+3*x^6+7*x^5+x^7+13*x^4+18*x^3+12*x^2)/(-1+x)/(x+1)/(x^5-2*x^4-3*x^3-3*x^2-2*x-1)/(x^2+x+1)$  lgdogf  
A063199 6.46143 [  $-(x^5-2*x^4-3*x^3-3*x^2-2*x-1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063200 7.41760 [  $(x^4-x^3+2*x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A063200 8.54626  $-2*(1+3*x+2*x^4+4*x^3+2*x^2)/(-1+x)/(x^2+x+1)/(x^4-x^3+2*x^2+x+1)$  lgdogf  
A063201 7.71227  $-(3+7*x+3*x^5+15*x^4+19*x^3+13*x^2)/(-1+x)/(x+1)/(x^2+x+1)/(1+3*x+x^2)$  lgdogf  
A063201 7.99413 [  $x^*(x^2+3*x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063202 6.28561  $-(5+15*x-x^6+6*x^5+x^7+28*x^4+40*x^3+26*x^2)/(-1+x)/(x+1)/(x^2+x+1)/(x^4-x^3+2*x^2+5*x+3)$  lgdogf  
A063202 6.71947 [  $x^*(x^4-x^3+2*x^2+5*x+3)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063203 6.54586  $(5+23*x+13*x^6+34*x^5+3*x^7+60*x^4+74*x^3+52*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^5-3*x^4-6*x^3-7*x^2-5*x-2)$  lgdogf  
A063203 7.60426 [  $-(x^5-3*x^4-6*x^3-7*x^2-5*x-2)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063204 7.50187  $-(7+25*x+6*x^6+24*x^5+52*x^4+64*x^3+50*x^2)/(x-1)/(x+1)/(x^2+x+1)/(3*x^3+6*x^2+7*x+3)$  lgdogf  
A063204 8.43370 [  $x^*(3*x^3+6*x^2+7*x+3)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063205 9.14499 [  $-(x^4-4*x^3-4*x^2-5*x-2)/(x^2+x+1)/(x-1)^2$  ogf]  
A063205 9.18021  $(7+15*x+3*x^5+11*x^4+19*x^3+29*x^2)/(x-1)/(x^2+x+1)/(x^4-4*x^3-4*x^2-5*x-2)$  lgdogf  
A063206 10.2620 [  $-(x^3-4*x^2-5*x-2)/(x+1)/(x-1)^2$  ogf]  
A063206 13.5770  $(7+19*x+3*x^3+11*x^2)/(x-1)/(x+1)/(x^3-4*x^2-5*x-2)$  lgdogf  
A063206 5.28415 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 2, a(1) = 7, a(2) = 13, a(3) = 17\}$ , ogf]  
A063207 7.17920  $-2*(3+11*x+6*x^6+18*x^5+30*x^4+29*x^3+23*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^5+5*x^3+7*x^2+6*x+1)$  lgdogf  
A063207 8.25870 [  $(x^5+5*x^3+7*x^2+6*x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063208 10.3981  $-(1+5*x+x^7+7*x^5+3*x^6+18*x^3+13*x^4+12*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A063208 11.1234 [  $(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063208 24.2730 [  $[-x^4+x^2+x+1]$  ogf\_with\_Euler\_transform]  
A063209 9.41973  $2*(5+11*x+2*x^5+14*x^3+8*x^4+20*x^2)/(x-1)/(x^2+x+1)/(x^4-5*x^3-6*x^2-7*x-3)$  lgdogf  
A063209 9.50062 [  $-(x^4-5*x^3-6*x^2-7*x-3)/(x^2+x+1)/(x-1)^2$  ogf]  
A063210 12.3314  $2*(1+5*x+x^3+x^2)/(-1+x)/(x+1)/(x^3-3*x^2-x-1)$  lgdogf  
A063210 4.41584 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 6\}$ , ogf]  
A063210 8.44770 [  $-(x^3-3*x^2-x-1)/(x+1)/(x-1)^2$  ogf]  
A063211 10.6588 [  $-(x^3-5*x^2-7*x-3)/(x+1)/(x-1)^2$  ogf]  
A063211 13.8425  $2*(5+13*x+2*x^3+8*x^2)/(x-1)/(1+x)/(x^3-5*x^2-7*x-3)$  lgdogf  
A063211 5.44785 [  $\{-a(n+4)+a(n+3)+a(n+2)-a(n+1), a(0) = 3, a(1) = 10, a(2) = 18, a(3) = 24\}$ , ogf]  
A063212 6.28561  $-(3+9*x+7*x^6+14*x^5+x^7+28*x^4+34*x^3+24*x^2)/(-1+x)/(x+1)/(x^2+x+1)/(1+3*x+x^2)/(1+x^2)$  lgdogf  
A063212 7.09959 [  $(x^2+1)*(x^2+3*x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063213 4.03056 [  $\{(2*n+7)*a(n+1)+2*a(n+2)+2*a(n+3)+(-2*n-5)*a(n+4), a(0) = 1, a(1) = 5, a(2) = 9, a(3) = 11\}$ , ogf]  
A063213 9.63830 [  $(x+1)*(x^2+3*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A063213 9.69247  $-(5+13*x+x^5+9*x^4+17*x^3+15*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2+3*x+1)$  lgdogf  
A063214 7.30817  $-2*(3+13*x+6*x^6+21*x^5+33*x^4+31*x^3+25*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^5+5*x^3+9*x^2+6*x+1)$  lgdogf  
A063214 8.40359 [  $(x^5+5*x^3+9*x^2+6*x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063215 6.70115  $(11+49*x+5*x^7+27*x^6+74*x^5+108*x^2+150*x^3+128*x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^5-5*x^4-12*x^3-15*x^2-11*x-4)$  lgdogf  
A063215 8.03665 [  $-(x^5-5*x^4-12*x^3-15*x^2-11*x-4)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063216 6.98027  $-(8+36*x+32*x^6+77*x^5+126*x^3+6*x^7+121*x^4+86*x^2)/(x-1)/$

$(1+x)/(x^2+x+1)/(6*x^4+13*x^3+13*x^2+8*x+1)$  lgdogf  
A063216 8.76670 [  $(6*x^4+13*x^3+13*x^2+8*x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063217 6.58656  $-(5+19*x+12*x^2+29*x^3+5*x^4+2*x^5+7+53*x^4+63*x^3+45*x^2)/(x-1)/(x+1)/(1+x^2+x)/(2*x^4+5*x^3+5*x^2+5*x+2)$  lgdogf  
A063218 10.16211 [  $(2*x^4+5*x^3+5*x^2+5*x+2)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063218 10.5506  $-2*(x^3+5*x^2+2*x+4)*(x+1)^2/(x-1)/(x^4+x^3+6*x^2+5*x+3)/(x^2+x+1)$  lgdogf  
A063218 9.24660 [  $(x^4+x^3+6*x^2+5*x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
A063219 9.57415  $(13+29*x+5*x^2+51*x^3+37*x^4+21*x^5)/(x-1)/(x^2+x+1)/(x^4-6*x^3-8*x^2-9*x-4)$  lgdogf  
A063219 9.65304 [  $-(x^4-6*x^3-8*x^2-9*x-4)/(x^2+x+1)/(x-1)^2$  ogf]  
A063220 9.50062 [  $(x^4+x^3+8*x^2+7*x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
A063220 9.80684  $-2*(5+13*x+x^5+17*x^3+9*x^4+15*x^2)/(x-1)/(x^2+x+1)/(x^4+x^3+8*x^2+7*x+3)$  lgdogf  
A063221 10.4888 [  $(x^3+x^2+7*x+3)/(x+1)/(x-1)^2$  ogf]  
A063221 14.7516  $-2*(5+9*x+x^3+9*x^2)/(x-1)/(1+x)/(x^3+x^2+7*x+3)$  lgdogf  
A063221 5.36092 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 3, a(1) = 10, a(2) = 14, a(3) = 22\}$ , ogf]  
A063222 10.0677  $-(7+19*x+x^5+13*x^4+25*x^3+19*x^2)/(x-1)/(x^2+x+1)/(x^4+6*x^2+5*x+2)$  lgdogf  
A063222 10.1486 [  $(x^4+6*x^2+5*x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A063223 6.93830  $2*(7+31*x+17*x^2+63*x^3+68*x^4+94*x^5+81*x^6+47*x^7)/(x-1)/(x+1)/(x^5-6*x^4-15*x^3-19*x^2-14*x-5)/(x^2+x+1)$  lgdogf  
A063223 8.16422 [  $-(x^5-6*x^4-15*x^3-19*x^2-14*x-5)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063224 12.9188  $-(2+2*x+3*x^2+5*x^3)/(-1+x)/(x+1)/(x^2+x+1)$  lgdogf  
A063224 22.5726 [  $x^2-x+2$  ogf\_with\_Euler\_transform]  
A063224 9.95163 [  $2*x*(x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A063225 10.2620 [  $(x^3+x^2+5*x+3)/(x+1)/(x-1)^2$  ogf]  
A063225 14.4256  $-2*(4+8*x+x^3+7*x^2)/(x-1)/(x+1)/(x^3+x^2+5*x+3)$  lgdogf  
A063225 5.28415 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 3, a(1) = 8, a(2) = 12, a(3) = 18\}$ , ogf]  
A063226 11.6078 [  $(3*x^2+4*x+3)/(x+1)/(x-1)^2$  ogf]  
A063226 14.4256  $-(7+19*x+3*x^3+11*x^2)/(x-1)/(x+1)/(3+3*x^2+4*x)$  lgdogf  
A063226 6.26616 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 7, a(2) = 13\}$ , ogf]  
A063227 6.62648  $4*(1+5*x+3*x^2+7*x^3+5*x^4+13*x^5+18*x^6+12*x^7)/(x-1)/(x+1)/(x^2+x+1)/(x^5-4*x^4-5*x^3-5*x^2-4*x-3)$  lgdogf  
A063227 7.47239 [  $-(x^5-4*x^4-5*x^3-5*x^2-4*x-3)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063228 10.7860 [  $-(x^3-7*x^2-11*x-5)/(x+1)/(x-1)^2$  ogf]  
A063228 13.4431  $2*(8+20*x+13*x^2+3*x^3)/(-1+x)/(x+1)/(x^3-7*x^2-11*x-5)$  lgdogf  
A063228 5.59274 [  $\{-a(n+4)+a(n+3)+a(n+2)-a(n+1), a(0) = 5, a(1) = 16, a(2) = 28, a(3) = 38\}$ , ogf]  
A063229 6.89261  $-2*(6+24*x+x^7+13*x^6+38*x^5+51*x^4+67*x^3+64*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^5+2*x^4+11*x^3+15*x^2+12*x+3)$  lgdogf  
A063229 8.03665 [  $(x^5+2*x^4+11*x^3+15*x^2+12*x+3)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063230 6.72156  $(17+75*x+164*x^2+226*x^3+196*x^4+114*x^5+41*x^6+7*x^7)/(-1+x)/(x+1)/(x^5-7*x^4-18*x^3-23*x^2-17*x-6)/(x^2+x+1)$  lgdogf  
A063230 8.20674 [  $-(x^5-7*x^4-18*x^3-23*x^2-17*x-6)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063231 6.84604  $-(10+40*x+23*x^2+62*x^3+121*x^4+3*x^5+7+108*x^4+89*x^3)/(x-1)/(1+x)/(x^2+x+1)/(3*x^4+10*x^3+12*x^2+10*x+3)$  lgdogf  
A063231 8.66233 [  $(3*x^4+10*x^3+12*x^2+10*x+3)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063232 11.8530 [  $(x^3+3*x^2+11*x+5)/(x+1)/(x-1)^2$  ogf]  
A063232 15.9559  $-4*(4+8*x+7*x^2+x^3)/(x-1)/(x+1)/(x^3+3*x^2+11*x+5)$  lgdogf  
A063232 6.14599 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 5, a(1) = 16, a(2) = 24, a(3) = 36\}$ , ogf]  
A063233 10.8419 [  $-(x^3-8*x^2-13*x-6)/(x+1)/(x-1)^2$  ogf]  
A063233 14.0242  $(19+47*x+31*x^2+7*x^3)/(x-1)/(x+1)/(x^3-8*x^2-13*x-6)$  lgdogf  
A063233 5.62172 [  $\{-a(n+4)+a(n+3)+a(n+2)-a(n+1), a(0) = 6, a(1) = 19, a(2) = 33, a(3) = 45\}$ , ogf]  
A063234 9.50062 [  $(x^4+x^3+8*x^2+7*x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
A063234 9.80684  $-2*(5+13*x+x^5+17*x^3+9*x^4+15*x^2)/(x-1)/(x^2+x+1)/$

$(x^4+x^3+8x^2+7x+3)$  lgdogf  
A063235 6.85501  $2*(10+44x+4x^7+96x^2+132x^3+115x^4+67x^5+24x^6)/(x-1)/(x+1)/(x^2+x+1)/(x^5-8x^4-21x^3-27x^2-20x-7)$  lgdogf  
A063235 8.29178  $[-(x^5-8x^4-21x^3-27x^2-20x-7)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063236 10.4137  $-4*(x^3+5x^2+2x+4)*(x+1)^2/(-1+x)/(x^2+x+1)/(x^4+3x^3+12x^2+11x+5)$  lgdogf  
A063236 9.55722  $[(x^4+3x^3+12x^2+11x+5)/(x^2+x+1)/(x-1)^2$  ogf]  
A063237 10.6588  $[(x^3+2x^2+7x+4)/(x+1)/(x-1)^2$  ogf]  
A063237 13.5814  $-(11+23x+3x^3+19x^2)/(x-1)/(1+x)/(x^3+2x^2+7x+4)$  lgdogf  
A063237 5.44785  $[{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 4, a(1) = 11, a(2) = 17, a(3) = 25}],$  ogf]  
A063238 9.26010  $-2*(7+17x+24x^2+22x^3+12x^4+2x^5)/(x-1)/(x^2+x+1)/(x^4+3x^3+10x^2+9x+5)$  lgdogf  
A063238 9.57944  $[(x^4+3x^3+10x^2+9x+5)/(x^2+x+1)/(x-1)^2$  ogf]  
A063239 14.4256  $-(7+19x+3x^3+11x^2)/(x-1)/(x+1)/(3+3x^2+4x)$  lgdogf  
A063240 9.33995  $2*(11+25x+42x^2+32x^3+18x^4+4x^5)/(x-1)/(x^2+x+1)/(x^4-9x^3-14x^2-15x-7)$  lgdogf  
A063240 9.65625  $[-(x^4-9x^3-14x^2-15x-7)/(x^2+x+1)/(x-1)^2$  ogf]  
A063241 4.03056  $[{(2^n+7)*a(n+1)+2*a(n+2)+2*a(n+3)+(-2^n-5)*a(n+4), a(0) = 3, a(1) = 5, a(2) = 7, a(3) = 13}],$  ogf]  
A063241 9.54993  $-(5+9x+3x^5+7x^4+11x^3+25x^2)/(x-1)/(x+1)/(3x^2-x+3)/(x^2+x+1)$  lgdogf  
A063241 9.63830  $[(x+1)*(3x^2-x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
A063242 7.10894  $-(3+11x+7x^6+17x^5+x^7+31x^4+36x^3+26x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^4+3x^3+3x^2+3x+1)$  lgdogf  
A063242 8.35530  $[2*(x^4+3x^3+3x^2+3x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063243 10.7301  $[(x^3+3x^2+11x+5)/(x+1)/(x-1)^2$  ogf]  
A063243 14.4208  $-4*(4+8x+7x^2+x^3)/(x-1)/(x+1)/(x^3+3x^2+11x+5)$  lgdogf  
A063243 5.56376  $[{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 5, a(1) = 16, a(2) = 24, a(3) = 36}],$  ogf]  
A063244 6.89261  $-2*(6+26x+x^7+13x^6+41x^5+53x^4+69x^3+67x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^5+2x^4+11x^3+17x^2+12x+3)$  lgdogf  
A063244 8.03665  $[(x^5+2x^4+11x^3+17x^2+12x+3)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063245 6.92127  $-(10+46x+23x^6+71x^5+127x^4+3x^7+117x^3+95x^2)/(x-1)/(1+x)/(3x^4+10x^3+15x^2+10x+3)/(x^2+x+1)$  lgdogf  
A063245 8.75548  $[(3x^4+10x^3+15x^2+10x+3)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063246 7.42485  $-(6+28x+2x^7+14x^6+43x^5+58x^4+78x^3+71x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2+2x+2)/(2x^2+2x+1)$  lgdogf  
A063246 8.84862  $[2*(x^2+2x+2)*(2x^2+2x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063247 6.86684  $-(5+21x+11x^6+33x^5+x^7+55x^4+58x^3+44x^2)/(x-1)/(x+1)/(1+x^2+x)/(x^4+5x^3+7x^2+5x+1)$  lgdogf  
A063247 8.16211  $[(x^4+5x^3+7x^2+5x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A063249 11.8733  $-6*(11+79x+65x^2+5x^3)/(x-1)/(15x^3+115x^2+61x+1)$  lgdogf  
A063249 3.41873  $[{(-334n^2-1439n-1542)*a(n+1)+(396n^2+550n+1012)*a(n+2)+(-62n^2-199n-150)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 66}],$  ogf]  
A063249 6.98141  $[-x*(15x^3+115x^2+61x+1)/(x-1)^5$  ogf]  
A063258 16.4822  $-(-14+16x+2x^3-9x^2)/(x-1)/(x-2)/(x^2-2x+2)$  lgdogf  
A063258 5.15961  $[{(n+7)*a(n+1)+(-2n-11)*a(n+2)+(n+4)*a(n+3), a(0) = 4, a(1) = 14, a(2) = 34}],$  ogf]  
A063258 9.07379  $[(x-2)*(x^2-2x+2)/(x-1)^5$  ogf]  
A063262 4.59257  $[(x^5-4x^4+5x^3-5x+4)/(x-1)^8$  ogf]  
A063262 8.28954  $-(27-35x+3x^5-11x^4+9x^3+15x^2)/(x-1)/(x^5-4x^4+5x^3-5x+4)$  lgdogf  
A063263 4.31542  $[-(2x^5-9x^4+15x^3-10x^2+3)/(x-1)^9$  ogf]  
A063263 8.03643  $-(27-20x+54x^3-25x^2-35x^4+8x^5)/(x-1)/(2x^5-9x^4+15x^3-10x^2+3)$  lgdogf  
A063264 3.68842  $[(3x^5-14x^4+25x^3-20x^2+5x+2)/(x-1)^10$  ogf]  
A063264 7.25855  $-(25+5x+15x^5-69x^4+119x^3-85x^2)/(x-1)/(3x^5-14x^4+25x^3-20x^2+5x+2)$  lgdogf  
A063267 3.44131  $[{(n^2+14n+40)*a(n+1)+(-2n^2-21n-45)*a(n+2)+(n^2+7n+12)*a(n+3), a(0) = 6, a(1) = 33, a(2) = 116}],$  ogf]



A063267 4.70916 [  $-(x-2)*(x^2-x+1)*(x^2-3*x+3)/(x-1)^8$  ogf]  
A063267 8.51179  $-( -33+65*x+3*x^5+51*x^3-19*x^4-75*x^2)/(x-1)/(x-2)/(x^2-x+1)/(x^2-3*x+3)$  lgdogf  
A063270 12.6940 [  $-2*(41*x-1)/(81*x-1)/(x-1)$  ogf]  
A063270 13.6018  $-(41-162*x+3321*x^2)/(x-1)/(81*x-1)/(41*x-1)$  lgdogf  
A063270 7.16836 [  $\{a(n+2)-82*a(n+1)+81*a(n), a(0) = 2, a(1) = 82\}$ , ogf]  
A063276 6.41229  $x^4*(14*x^3+5*x^2-4*x+5-10*x^6+2*x^7+3*x^8-2*x^9+x^{10}-20*x^4+22*x^5)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)/(x^9-x^8-x^7-2*x^4+x^3-x+1)$  lgdogf  
A063276 6.86842 [  $-(x^9-x^8-x^7-2*x^4+x^3-x+1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A063277 9.45021 [  $(2*x^8+3*x^6+x^5+2*x^4-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063278 6.24134 [  $-(x^{11}-x^{10}-3*x^9-4*x^8-4*x^7-5*x^6-3*x^5-3*x^4-x^3+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063279 7.11224 [  $(x^9-2*x^8+2*x^6-2*x^5+3*x^4+x-1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A063280 5.73550 [  $-(x^{11}-2*x^{10}-5*x^9-7*x^8-8*x^7-9*x^6-7*x^5-6*x^4-3*x^3-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063281 8.03729  $-x*(2+13*x^5+2*x^7+6*x^6+9*x+10*x^2+16*x^3+14*x^4)/(x-1)/(x+1)/(1+x^2)/(2*x^5+3*x^4+3*x^3+2*x^2-1)$  lgdogf  
A063281 9.36511 [  $(2*x^5+3*x^4+3*x^3+2*x^2-1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063282 6.12564 [  $(x^{10}+5*x^9+6*x^8+10*x^7+11*x^6+9*x^5+9*x^4+5*x^3+2*x^2-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063283 5.93603 [  $(x^{11}-x^{10}-x^9+2*x^8+2*x^7+5*x^6+5*x^5+5*x^4+3*x^3+2*x^2-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063284 5.26437 [  $-(x^{11}-4*x^{10}-10*x^9-15*x^8-19*x^7-21*x^6-19*x^5-16*x^4-10*x^3-5*x^2-x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063285 5.86487 [  $-(x^8-5*x^7+x^6-5*x^5-2*x^4-x^3-3*x^2-x+1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A063286 5.29372 [  $-(x^{11}-5*x^{10}-13*x^9-20*x^8-26*x^7-29*x^6-27*x^5-23*x^4-15*x^3-8*x^2-2*x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063287 6.06563 [  $(x^{11}-x^{10}+4*x^8+5*x^7+9*x^6+9*x^5+9*x^4+6*x^3+4*x^2+x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063288 5.76140 [  $(x^9+7*x^7+5*x^6+9*x^5+9*x^4+5*x^3+7*x^2+2*x-1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A063289 11.1576 [  $(x^3+6*x^2+3*x-1)/(x+1)/(x-1)^2$  ogf]  
A063289 14.5751  $-(2+12*x+15*x^2+7*x^3)/(x-1)/(x+1)/(x^3+6*x^2+3*x-1)$  lgdogf  
A063289 5.78852 [  $\{-a(n+4)+a(n+3)+a(n+2)-a(n+1), a(0) = -1, a(1) = 2, a(2) = 7, a(3) = 11\}$ , ogf]  
A063290 5.20702 [  $-(x^{11}-7*x^{10}-20*x^9-32*x^8-43*x^7-49*x^6-47*x^5-41*x^4-28*x^3-16*x^2-5*x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063291 6.07948 [  $-(x^{10}-2*x^9-6*x^8-7*x^7-9*x^6-11*x^5-9*x^4-7*x^3-6*x^2-2*x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063292 5.10149 [  $-(x^{11}-8*x^{10}-24*x^9-39*x^8-53*x^7-61*x^6-59*x^5-52*x^4-36*x^3-21*x^2-7*x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063293 5.59840 [  $(x^{10}+11*x^9+14*x^8+25*x^7+25*x^6+26*x^5+23*x^4+17*x^3+10*x^2+3*x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063294 5.21569 [  $(x^9+2*x^8+13*x^7+11*x^6+17*x^5+19*x^4+11*x^3+13*x^2+6*x-1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A063295 5.21269 [  $(x^{11}-x^{10}+3*x^9+10*x^8+14*x^7+21*x^6+21*x^5+21*x^4+15*x^3+10*x^2+4*x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063296 5.05937 [  $-(x^{11}-10*x^{10}-33*x^9-55*x^8-76*x^7-89*x^6-87*x^5-78*x^4-55*x^3-33*x^2-12*x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]

A063297 6.47186  $-(5+24*x+32*x^7+9*x^8+46*x^2+80*x^3+94*x^4+88*x^5+54*x^6)/(x-1)/(x+1)/(1+x^2)/(x^6+9*x^5+15*x^4+12*x^3+13*x^2+5*x-1)$  lgdogf  
A063297 7.62589  $[(x^6+9*x^5+15*x^4+12*x^3+13*x^2+5*x-1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063298 5.33673  $[(9*x^10+33*x^9+56*x^8+80*x^7+93*x^6+93*x^5+83*x^4+59*x^3+36*x^2+12*x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063299 5.21456  $[(x^11-x^10+5*x^9+14*x^8+20*x^7+29*x^6+29*x^5+29*x^4+21*x^3+14*x^2+6*x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063300 9.08148  $-(13+57*x+29*x^5+73*x^4+114*x^3+98*x^2)/(x-1)/(x^2+x+1)/(7*x^4+22*x^3+22*x^2+14*x-1)$  lgdogf  
A063300 9.68225  $[(7*x^4+22*x^3+22*x^2+14*x-1)/(x^2+x+1)/(x-1)^2$  ogf]  
A063301 5.43180  $[(3*x^10+20*x^9+30*x^8+48*x^7+53*x^6+54*x^5+49*x^4+36*x^3+22*x^2+8*x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063302 4.77068  $[-(x^11-13*x^10-49*x^9-84*x^8-118*x^7-141*x^6-139*x^5-127*x^4-91*x^3-56*x^2-22*x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063303 5.74803  $[-(x^9-9*x^7-3*x^6-5*x^5-13*x^4-3*x^3-5*x^2-8*x+1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A063304 4.86270  $[-(x^11-14*x^10-55*x^9-95*x^8-134*x^7-161*x^6-159*x^5-146*x^4-105*x^3-65*x^2-26*x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063305 14.1992  $[(4*x^2+15*x-1)/(x-1)^2$  ogf]  
A063305 24.3555  $-(13+23*x)/(x-1)/(4*x^2+15*x-1)$  lgdogf  
A063305 7.37265  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = -1, a(1) = 13, a(2) = 31}$  ogf]  
A063306 4.99276  $[(x^9+6*x^8+31*x^7+29*x^6+39*x^5+51*x^4+29*x^3+31*x^2+20*x-1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A063307 5.06725  $[(x^11-x^10+10*x^9+24*x^8+35*x^7+49*x^6+49*x^5+49*x^4+36*x^3+24*x^2+11*x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063308 4.73634  $[(x^11+13*x^10+56*x^9+98*x^8+143*x^7+169*x^6+171*x^5+155*x^4+112*x^3+70*x^2+25*x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063309 5.44889  $[(4*x^10+21*x^9+38*x^8+53*x^7+69*x^6+65*x^5+64*x^4+45*x^3+28*x^2+13*x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063310 4.72561  $[-(x^11-17*x^10-75*x^9-132*x^8-188*x^7-229*x^6-227*x^5-211*x^4-153*x^3-96*x^2-40*x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063311 5.11976  $[(x^11-x^10+13*x^9+30*x^8+44*x^7+61*x^6+61*x^5+61*x^4+45*x^3+30*x^2+14*x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063312 4.96036  $[(x^9+8*x^8+43*x^7+41*x^6+53*x^5+73*x^4+41*x^3+43*x^2+30*x-1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A063313 5.80680  $-(19+88*x+112*x^7+206*x^6+31*x^8+182*x^2+288*x^3+346*x^4+312*x^5)/(x-1)/(x+1)/(x^2+1)/(5*x^6+31*x^5+51*x^4+48*x^3+45*x^2+19*x-1)$  lgdogf  
A063313 7.40082  $[(5*x^6+31*x^5+51*x^4+48*x^3+45*x^2+19*x-1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063314 4.64233  $[-(x^11-19*x^10-90*x^9-160*x^8-229*x^7-281*x^6-279*x^5-261*x^4-190*x^3-120*x^2-51*x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063315 5.47116  $[-(x^9-15*x^7-9*x^6-11*x^5-25*x^4-9*x^3-11*x^2-14*x+1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A063316 4.66613  $[-(x^11-20*x^10-98*x^9-175*x^8-251*x^7-309*x^6-307*x^5-288*x^4-210*x^3-133*x^2-57*x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063317 5.10198  $[-(x^11-20*x^10-98*x^9-175*x^8-251*x^7-309*x^6-307*x^5-288*x^4-210*x^3-133*x^2-57*x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]

$(7*x^{10}+45*x^9+76*x^8+115*x^7+137*x^6+138*x^5+129*x^4+95*x^3+60*x^2+25*x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063318 4.96376 [
  
 $(13*x^{10}+65*x^9+120*x^8+169*x^7+209*x^6+210*x^5+195*x^4+143*x^3+92*x^2+39*x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063319 4.96241 [  $(x^{11}-x^{10}+20*x^9+44*x^8+65*x^7+89*x^6+89*x^5+89*x^4+66*x^3+44*x^2+21*x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063320 4.68392 [ -  
 $(x^{11}-22*x^{10}-115*x^9-207*x^8-298*x^7-369*x^6-367*x^5-346*x^4-253*x^3-161*x^2-70*x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063321 10.5744 [  $(4*x^3+27*x^2+24*x-1)/(x+1)/(x-1)^2$  ogf]  
A063321 12.7453  $-(23+75*x+87*x^2+31*x^3)/(x-1)/(x+1)/(4*x^3+27*x^2+24*x-1)$   
lgdogf  
A063321 5.56133 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = -1, a(1) = 23, a(2) = 49, a(3) = 77\}$ , ogf]  
A063322 4.99192 [
  
 $(23*x^{10}+118*x^9+212*x^8+307*x^7+377*x^6+377*x^5+353*x^4+258*x^3+164*x^2+69*x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063323 5.33673 [ -  
 $(x^{10}-24*x^9-46*x^8-69*x^7-93*x^6-91*x^5-93*x^4-69*x^3-46*x^2-24*x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063324 4.85897 [
  
 $(x^9+12*x^8+73*x^7+71*x^6+87*x^5+129*x^4+71*x^3+73*x^2+56*x-1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A063325 5.13199 [
  
 $(9*x^{10}+61*x^9+106*x^8+159*x^7+193*x^6+194*x^5+183*x^4+135*x^3+86*x^2+37*x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063326 4.60671 [ -  
 $(x^{11}-25*x^{10}-143*x^9-260*x^8-376*x^7-469*x^6-467*x^5-443*x^4-325*x^3-208*x^2-92*x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063327 9.22505  $2*(x+1)*(11*x^4+20*x^3+34*x^2+20*x+11)/(x-1)/(x^2+x+1)/(x^4-23*x^3-20*x^2-23*x+1)$  lgdogf  
A063327 9.48631 [  $-(x^4-23*x^3-20*x^2-23*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A063328 4.58320 [
  
 $(x^{11}+25*x^{10}+134*x^9+242*x^8+353*x^7+433*x^6+435*x^5+407*x^4+298*x^3+190*x^2+79*x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063329 5.44234  $-2*(21+94*x+114*x^7+31*x^8+195*x^2+302*x^3+362*x^4+322*x^5+215*x^6)/(x-1)/(x+1)/(x^2+1)/(9*x^6+62*x^5+105*x^4+102*x^3+95*x^2+42*x-1)$  lgdogf  
A063329 7.01609 [  $(9*x^6+62*x^5+105*x^4+102*x^3+95*x^2+42*x-1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063330 4.90105 [
  
 $(x^9+14*x^8+91*x^7+89*x^6+107*x^5+163*x^4+89*x^3+91*x^2+72*x-1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A063331 4.82012 [  $(x^{11}-x^{10}+33*x^9+70*x^8+104*x^7+141*x^6+141*x^5+141*x^4+105*x^3+70*x^2+34*x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063332 4.62445 [ -  
 $(x^{11}-28*x^{10}-174*x^9-319*x^8-463*x^7-581*x^6-579*x^5-552*x^4-406*x^3-261*x^2-117*x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063333 5.38371 [  $(7*x^8+35*x^7+44*x^6+37*x^5+78*x^4+37*x^3+36*x^2+35*x-1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A063334 4.64780 [ -  
 $(x^{11}-29*x^{10}-185*x^9-340*x^8-494*x^7-621*x^6-619*x^5-591*x^4-435*x^3-280*x^2-126*x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063335 4.89428 [  $(x^{11}-x^{10}+38*x^9+80*x^8+119*x^7+161*x^6+161*x^5+161*x^4+120*x^3+80*x^2+39*x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063336 4.86004 [
  
 $(22*x^{10}+131*x^9+243*x^8+349*x^7+437*x^6+438*x^5+414*x^4+305*x^3+197*x^2+87*x-1)$

$$\frac{1}{(x^2+x+1)} \frac{1}{(x^2-x+1)} \frac{1}{(x^2+1)} \frac{1}{(x-1)^2} \frac{1}{(x+1)^2} \text{ ogf}$$
A063337 13.2517 [  $(10x^2+63x-1)/(x-1)^2 \text{ ogf}$  ]  
A063337 22.4260 [  $-(61+83x)/(x-1)/(10x^2+63x-1) \text{ lgdogf}$  ]  
A063337 6.94139 [  $\{-a(n+3)+2a(n+2)-a(n+1), a(0) = -1, a(1) = 61, a(2) = 133\}, \text{ ogf}$  ]  
A063338 4.64780 [  $(x^{11}+31x^{10}+184x^9+336x^8+491x^7+609x^6+611x^5+577x^4+424x^3+272x^2+117x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2 \text{ ogf}$  ]  
A063339 5.27806 [  $-(x^9-33x^7-27x^6-29x^5-61x^4-27x^3-29x^2-32x+1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2 \text{ ogf}$  ]  
A063340 4.52410 [ -  $(x^{11}-32x^{10}-220x^9-407x^8-593x^7-749x^6-747x^5-716x^4-528x^3-341x^2-155x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2 \text{ ogf}$  ]  
A063341 4.94175 [  $(13x^{10}+100x^9+180x^8+268x^7+333x^6+334x^5+319x^4+236x^3+152x^2+68x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2 \text{ ogf}$  ]  
A063342 4.71338 [  $(x^9+18x^8+133x^7+131x^6+153x^5+243x^4+131x^3+133x^2+110x-1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2 \text{ ogf}$  ]  
A063343 4.79167 [ -  $(x^{11}+x^{10}-46x^9-84x^8-127x^7-169x^6-165x^5-169x^4-126x^3-84x^2-45x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2 \text{ ogf}$  ]  
A063344 4.54730 [ -  $(x^{11}-34x^{10}-245x^9-455x^8-664x^7-841x^6-839x^5-806x^4-595x^3-385x^2-176x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2 \text{ ogf}$  ]  
A063345 5.58481 [  $-(55+238x+898x^4+750x^3+73x^8+274x^7+533x^6+786x^5+497x^2)/(x-1)/(x+1)/(8x^6+73x^5+129x^4+129x^3+120x^2+55x-1)/(x^2+1) \text{ lgdogf}$  ]  
A063345 7.12837 [  $(8x^6+73x^5+129x^4+129x^3+120x^2+55x-1)/(x^2+1)/(x-1)^2/(x+1)^2 \text{ ogf}$  ]  
A063346 4.54730 [ -  $(x^{11}-35x^{10}-258x^9-480x^8-701x^7-889x^6-887x^5-853x^4-630x^3-408x^2-187x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2 \text{ ogf}$  ]  
A063347 4.74972 [  $(x^{11}-x^{10}+55x^9+114x^8+170x^7+229x^6+229x^5+229x^4+171x^3+114x^2+56x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2 \text{ ogf}$  ]  
A063348 4.96816 [  $(20x^8+139x^7+139x^6+156x^5+259x^4+137x^3+137x^2+120x-1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2 \text{ ogf}$  ]  
A063349 4.86004 [  $(15x^{10}+123x^9+224x^8+333x^7+417x^6+418x^5+401x^4+297x^3+192x^2+87x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2 \text{ ogf}$  ]  
A063350 4.54730 [  $(x^{11}+43x^{10}+270x^9+496x^8+725x^7+905x^6+907x^5+861x^4+634x^3+408x^2+179x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2 \text{ ogf}$  ]  
A063351 5.24381 [  $-(x^9-45x^7-39x^6-41x^5-85x^4-39x^3-41x^2-44x+1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2 \text{ ogf}$  ]  
A063352 4.50863 [ -  $(x^{11}-38x^{10}-299x^9-559x^8-818x^7-1041x^6-1039x^5-1002x^4-741x^3-481x^2-222x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2 \text{ ogf}$  ]  
A063353 10.3305 [  $(13x^3+99x^2+87x-1)/(x+1)/(x-1)^2 \text{ ogf}$  ]  
A063353 11.6283 [  $-2*(43+141x+56x^3+156x^2)/(x-1)/(x+1)/(13x^3+99x^2+87x-1) \text{ lgdogf}$  ]  
A063353 5.42917 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = -1, a(1) = 86, a(2) = 184, a(3) = 284\}, \text{ ogf}$  ]  
A063354 12.8452 [  $(27x^2+166x-1)/(x-1)^2 \text{ ogf}$  ]  
A063354 20.2361 [  $-4*(41+55x)/(x-1)/(27x^2+166x-1) \text{ lgdogf}$  ]  
A063354 6.78615 [  $\{-a(n+3)+2a(n+2)-a(n+1), a(0) = -1, a(1) = 164, a(2) = 356\}, \text{ ogf}$  ]  
A063355 4.67209 [  $(x^{11}-x^{10}+68x^9+140x^8+209x^7+281x^6+281x^5+281x^4+210x^3+140x^2+69x-1)/$

$(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063356 4.40984 [ -  
 $(x^{11}-40x^{10}-328x^9-615x^8-901x^7-1149x^6-1147x^5-1108x^4-820x^3-533x^2-247x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063357 5.18536 [  $(11x^8+77x^7+86x^6+83x^5+158x^4+79x^3+78x^2+73x-1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A063358 4.50863 [  $(x^{11}+43x^{10}+306x^9+568x^8+833x^7+1049x^6+1051x^5+1005x^4+742x^3+480x^2+215x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063359 4.69604 [  $(x^{11}-x^{10}+75x^9+154x^8+230x^7+309x^6+309x^5+309x^4+231x^3+154x^2+76x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063360 4.63474 [  $(x^9+24x^8+211x^7+209x^6+237x^5+393x^4+209x^3+211x^2+182x-1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A063361 6.80821 [  $(17x^6+151x^5+267x^4+264x^3+249x^2+115x-1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063362 4.32940 [ -  
 $(x^{11}-43x^{10}-374x^9-704x^8-1033x^7-1321x^6-1319x^5-1277x^4-946x^3-616x^2-287x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063363 4.98935 [ -  
 $(x^{10}-53x^9-102x^8-157x^7-213x^6-206x^5-213x^4-157x^3-102x^2-53x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063364 4.47269 [  $(x^{11}+53x^{10}+372x^9+690x^8+1011x^7+1273x^6+1275x^5+1219x^4+900x^3+582x^2+261x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063365 4.92667 [  $(19x^{10}+176x^9+326x^8+484x^7+613x^6+614x^5+593x^4+440x^3+286x^2+132x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063366 4.63474 [  $(x^9+26x^8+241x^7+239x^6+269x^5+451x^4+239x^3+241x^2+210x-1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A063367 4.76792 [  $(x^{11}-x^{10}+90x^9+184x^8+275x^7+369x^6+369x^5+369x^4+276x^3+184x^2+91x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063368 4.32940 [  $(x^{11}+49x^{10}+378x^9+706x^8+1037x^7+1313x^6+1315x^5+1263x^4+934x^3+606x^2+275x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063369 13.1663 [  $(9x^2+100x-1)/(x-1)^2$  ogf]  
A063369 20.9707  $-2*(49+59x)/(x-1)/(9x^2+100x-1)$  lgdogf  
A063369 6.89663 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = -1, a(1) = 98, a(2) = 206\}$ , ogf]  
A063370 4.43609 [ -  
 $(x^{11}-47x^{10}-440x^9-832x^8-1223x^7-1569x^6-1567x^5-1521x^4-1128x^3-736x^2-345x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063371 5.05984 [ -  
 $(x^{10}-95x^9-188x^8-282x^7-377x^6-375x^5-377x^4-282x^3-188x^2-95x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063372 4.66924 [  $(40x^{10}+320x^9+603x^8+880x^7+1121x^6+1122x^5+1080x^4+800x^3+521x^2+240x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063373 4.92667 [  $(20x^{10}+181x^9+344x^8+503x^7+647x^6+645x^5+626x^4+463x^3+302x^2+141x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A063374 15.4862  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A063376 12.6933 [  $(2x^2-4x+1)/(4x-1)/(2x-1)$  ogf]  
A063376 13.7473  $2*(1-6x+10x^2)/(-1+2x)/(-1+4x)/(2x^2-4x+1)$  lgdogf  
A063376 6.59555 [  $\{a(n+3)-6*a(n+2)+8*a(n+1), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A063395 3.39401 [  $\{9*a(n)*n+(-19*n-14)*a(n+1)+(11*n+16)*a(n+2)+(-n-2)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 19\}$ , ogf]  
A063396 8.30601 [  $-(20x^4-52x^3+40x^2-8x-1)/(x-1)/(2x-1)^3$  ogf]

A063396 8.64045  $(-15+56*x-68*x^2+24*x^3+4*x^4)/(x-1)/(-1+2*x)/$   
 $(20*x^4-52*x^3+40*x^2-8*x-1)$  lgdogf  
A063397 6.75287  $[-(76*x^5-244*x^4+280*x^3-136*x^2+22*x+1)/(x-1)/(2*x-1)^4$  ogf]  
A063397 6.87947  $(31-150*x+32*x^5-8*x^4-160*x^3+256*x^2)/(x-1)/(-1+2*x)/$   
 $(76*x^5-244*x^4+280*x^3-136*x^2+22*x+1)$  lgdogf  
A063398 5.45355  $[-(260*x^6-996*x^5+1488*x^4-1088*x^3+388*x^2-52*x-1)/(x-1)/$   
 $(2*x-1)^5$  ogf]  
A063417 4.02579  $[(x^6-5*x^5+9*x^4-5*x^3-5*x^2+9*x-5)/(x-1)^9$  ogf]  
A063417 7.06819  $-(x-2)*(3*x^5-8*x^4+4*x^3+14*x^2-22*x+18)/(x-1)/$   
 $(x^6-5*x^5+9*x^4-5*x^3-5*x^2+9*x-5)$  lgdogf  
A063418 3.29552  $[-(2*x^6-11*x^5+24*x^4-25*x^3+10*x^2+3*x-4)/(x-1)^{10}$  ogf]  
A063418 5.87795  $-(-37+47*x+8*x^6-43*x^5+89*x^4-79*x^3+5*x^2)/(x-1)/$   
 $(2*x^6-11*x^5+24*x^4-25*x^3+10*x^2+3*x-4)$  lgdogf  
A063434 5.32423  $[-$   
 $(10577*x^8-3069*x^7-990*x^6-990*x^5-990*x^4-990*x^3-990*x^2-990*x-11567)/(x+1)/$   
 $(x^4+1)/(x^2+1)/(x-1)^2$  ogf]  
A063436 12.6567  $[-3*x*(3*x+5)/(x-1)^3$  ogf]  
A063436 32.8646  $-6*(x+3)/(3*x+5)/(x-1)$  lgdogf  
A063436 6.49635  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 15, a(2) =$   
 $54},$  ogf]  
A063438 12.2382  $[-(4*x^6+3*x^5+3*x^4+3*x^3+3*x^2+3*x+3)/(x-1)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A063459 7.78259  $[x*(x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A063460 7.49953  $[(2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(x+1)/(x^4+1)/$   
 $(x^2+1)/(x-1)^2$  ogf]  
A063481 12.8567  $[-2*(6*x-1)/(8*x-1)/(4*x-1)$  ogf]  
A063481 14.4080  $-2*(3-32*x+96*x^2)/(6*x-1)/(8*x-1)/(4*x-1)$  lgdogf  
A063481 5.87512  $1/2*x*(1+3*x^2+x^4)*(5*x^4+5*x^2+1)/(1+3*x$   
 $+x^{10}+9*x^2+24*x^3+35*x^6+28*x^4+63*x^5+15*x^8+15*x^9+60*x^7)$  revogf  
A063481 7.26024  $[{a(n+2)-12*a(n+1)+32*a(n), a(0) = 2, a(1) = 12},$  ogf]  
A063487 2.48491  $[2*\exp(1/2*x^4)$  ogf\_with\_Euler\_transform]  
A063488 17.3349  $-(6+10*x+7*x^2+x^3)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A063488 28.8097  $[-x^2-x+6$  ogf\_with\_Euler\_transform]  
A063488 9.42058  $[(x^2+x+1)*(x+1)/(x-1)^4$  ogf]  
A063489 16.1211  $-(8+20*x+x^3+11*x^2)/(x-1)/(x+1)/(x^2+3*x+1)$  lgdogf  
A063489 4.04402  $[{(n^2-n-6)*a(n+1)+(-2*n^2-10*n-60)*a(n+2)+(n^2+11*n+24)*a(n+3),$   
 $a(0) = 1, a(1) = 8, a(2) = 30},$  ogf]  
A063489 9.40104  $[(x+1)*(x^2+3*x+1)/(x-1)^4$  ogf]  
A063490 15.6473  $-(10+30*x+x^3+15*x^2)/(x-1)/(x+1)/(x^2+5*x+1)$  lgdogf  
A063490 4.72745  $[{(-n^2-n)*a(n)+(2*n^2+6*n+24)*a(n+1)+(-n^2-5*n-6)*a(n+2), a(0)$   
 $= 1, a(1) = 10},$  ogf]  
A063490 9.33212  $[(x+1)*(x^2+5*x+1)/(x-1)^4$  ogf]  
A063491 16.0842  $-(x+2)*(x^2+17*x+6)/(x-1)/(x+1)/(x^2+7*x+1)$  lgdogf  
A063491 3.83670  $[{(-5*n^2-19*n-18)*a(n+1)+(10*n^2+50*n+132)*a(n$   
 $+2)+(-5*n^2-31*n-48)*a(n+3), a(0) = 1, a(1) = 12, a(2) = 50},$  ogf]  
A063491 9.16822  $[(x+1)*(x^2+7*x+1)/(x-1)^4$  ogf]  
A063492 10.6931  $[(x+1)*(x^2+9*x+1)/(x-1)^4$  ogf]  
A063492 15.6879  $-(14+50*x+x^3+23*x^2)/(x-1)/(x+1)/(x^2+9*x+1)$  lgdogf  
A063492 4.59105  $[{(-7*n^2-29*n-30)*a(n+1)+(14*n^2+70*n+168)*a(n$   
 $+2)+(-7*n^2-41*n-60)*a(n+3), a(0) = 1, a(1) = 14, a(2) = 60},$  ogf]  
A063493 15.5805  $-(16+60*x+x^3+27*x^2)/(x-1)/(1+x)/(x^2+11*x+1)$  lgdogf  
A063493 4.01669  $[{(-3*n^2-13*n-14)*a(n+1)+(6*n^2+30*n+68)*a(n$   
 $+2)+(-3*n^2-17*n-24)*a(n+3), a(0) = 1, a(1) = 16, a(2) = 70},$  ogf]  
A063493 9.25365  $[(x+1)*(x^2+11*x+1)/(x-1)^4$  ogf]  
A063494 15.5805  $-(17+65*x+x^3+29*x^2)/(x-1)/(1+x)/(x^2+12*x+1)$  lgdogf  
A063494 3.97303  $[{(-5*n^2-22*n-24)*a(n+1)+(10*n^2+50*n+111)*a(n$   
 $+2)+(-5*n^2-28*n-39)*a(n+3), a(0) = 1, a(1) = 17, a(2) = 75},$  ogf]  
A063494 9.25365  $[(x+1)*(x^2+12*x+1)/(x-1)^4$  ogf]  
A063495 14.9943  $-(18+70*x+31*x^2+x^3)/(x-1)/(x+1)/(x^2+13*x+1)$  lgdogf  
A063495 3.76449  $[{(-11*n^2-49*n-54)*a(n+1)+(22*n^2+110*n+240)*a(n$

+2)+(-11\*n^2-61\*n-84)\*a(n+3), a(0) = 1, a(1) = 18, a(2) = 80}, ogf]  
A063495 8.91087 [ (x+1)\*(x^2+13\*x+1)/(x-1)^4 ogf]  
A063496 15.0716 -(19+75\*x+x^3+33\*x^2)/(x-1)/(x+1)/(x^2+14\*x+1) lgdogf  
A063496 3.90892 [ {(-2\*n^2-9\*n-10)\*a(n+1)+(4\*n^2+20\*n+43)\*a(n  
+2)+(-2\*n^2-11\*n-15)\*a(n+3), a(0) = 1, a(1) = 19, a(2) = 85}, ogf]  
A063496 8.95589 [ (x+1)\*(x^2+14\*x+1)/(x-1)^4 ogf]  
A063497 11.8737 [ 60\*x\*(x+1)/(x-1)^4 ogf]  
A063497 37.5851 [[5-x] ogf\_with\_Euler\_transform]  
A063497 39.2395 -(5+3\*x)/(x-1)/(x+1) lgdogf  
A063497 5.84957 [ {(n+2)\*a(n+3)-5\*a(n+2)+(-3-n)\*a(n+1), a(0) = 0, a(1) = 60, a(2)  
= 300}, ogf]  
A063498 19.0798 -2\*(13-6\*x+3\*x^2)/(x-1)/(3\*x^2-6\*x+8) lgdogf  
A063498 9.43032 [ 4\*x\*(3\*x^2-6\*x+8)/(x-1)^4 ogf]  
A063510 18.3524 (-2+2\*x^3+14\*x^15-15\*x^14-3\*x^2)/(x-1)/(x^15+x^3+x+1) lgdogf  
A063510 18.3573 [ -(x^15+x^3+x+1)/(x-1) ogf]  
A063511 16.4861 2\*(-1+2\*x^3+28\*x^15-30\*x^14-3\*x^2)/(x-1)/(4\*x^15+2\*x^3+x+1)  
lgdogf  
A063511 18.3573 [ -(4\*x^15+2\*x^3+x+1)/(x-1) ogf]  
A063518 6.47670 [ -  
(x^11+18\*x^10-3\*x^9-11\*x^8-2\*x^7+8\*x^6-9\*x^5+13\*x^4-6\*x^3+x^2-4\*x+17)/(x-1)/(x  
+1)/(x^10-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1) ogf]  
A063521 21.1836 -2\*(8+19\*x+x^2)/(x-1)/(x^2+12\*x+1) lgdogf  
A063521 3.65578 [ {(n+3)\*a(n+4)+(6+11\*n)\*a(n+3)+(-49-11\*n)\*a(n+2)+(-2-n)\*a(n+1),  
a(0) = 0, a(1) = 1, a(2) = 16, a(3) = 59}, ogf]  
A063521 9.88049 [ x\*(x^2+12\*x+1)/(x-1)^4 ogf]  
A063522 19.9116 -(17+41\*x+2\*x^2)/(x-1)/(x^2+13\*x+1) lgdogf  
A063522 9.56405 [ x\*(x^2+13\*x+1)/(x-1)^4 ogf]  
A063523 20.6035 -2\*(9+22\*x+x^2)/(x-1)/(x^2+14\*x+1) lgdogf  
A063523 9.61285 [ x\*(x^2+14\*x+1)/(x-1)^4 ogf]  
A063524 9.67883 [ {-a(n+2), a(0) = 0, a(1) = 1}, ogf]  
A063537 7.00154 (-14-74\*x-66\*x^5-4995\*x^14+4329\*x^15-110\*x^3+154\*x^4+66\*x^2)/  
(x-1)/(333\*x^15-22\*x^5+22\*x^4-22\*x^3+31\*x^2+12\*x+1) lgdogf  
A063537 8.59569 [ (333\*x^15-22\*x^5+22\*x^4-22\*x^3+31\*x^2+12\*x+1)/(x-1)^2 ogf]  
A063650 6.21462 [ -(x^4-5\*x^2-x+1)/(4\*x^6+x^5-27\*x^4+x^3+16\*x^2+2\*x-1) ogf]  
A063651 4.20735 [ -(6\*x^6+6\*x^5-17\*x^4-9\*x^3+12\*x^2+2\*x-1)/  
(32\*x^8+42\*x^7-116\*x^6-85\*x^5+138\*x^4+17\*x^3-30\*x^2-3\*x+1) ogf]  
A063673 10.9982 [ -(16378\*x^15-16484\*x^14+43\*x^6-49\*x^5+2\*x^2-2\*x-1)/(x-1)^2  
ogf]  
A063673 8.47605 (4-2\*x  
+172\*x^6-405\*x^5+245\*x^4+230776\*x^13-443478\*x^14+212914\*x^15)/(-1+x)/  
(16378\*x^15-16484\*x^14+43\*x^6-49\*x^5+2\*x^2-2\*x-1) lgdogf  
A063674 8.34369 [ -(51453\*x^15-51786\*x^14+135\*x^6-154\*x^5+7\*x^2-7\*x-3)/(x-1)^2  
ogf]  
A063724 12.2730 [ -x^3\*(x^3-x^2+5\*x-8)/(x-1)^2 ogf]  
A063724 21.0682 (11-3\*x+x^3-3\*x^2)/(x-1)/(x^3-x^2+5\*x-8) lgdogf  
A063724 4.32061 [ {(-217\*n^2+855\*n-612)\*a(n+1)+(610\*n^2-1488\*n+306)\*a(n  
+2)+(-393\*n^2+809\*n)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 8, a(3) = 8}, ogf]  
A063726 4.90073 [ -(x^13+2\*x^12+3\*x^11+x^10-x^9-5\*x^8-3\*x^7-3\*x^6-3\*x^5-  
x^4+x^3+x^2+2\*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^2-1)/(x^4-x^2-1) ogf]  
A063727 17.1060 1/8/x\*(-2\*x-1+(20\*x^2+4\*x+1)^(1/2)) revogf  
A063727 18.5329 [ -1/(4\*x^2+2\*x-1) ogf]  
A063727 24.9463 -2\*(1+4\*x)/(4\*x^2-1+2\*x) lgdogf  
A063727 7.45838 [ {-a(n+2)+2\*a(n+1)+4\*a(n), a(0) = 1, a(1) = 2}, ogf]  
A063757 11.7476 [ (x+1)\*(2\*x+1)/(x-1)/(2\*x^2-1) ogf]  
A063757 12.3168 -2\*(-2-4\*x+x^2+6\*x^3+2\*x^4)/(x-1)/(2\*x+1)/(x+1)/(2\*x^2-1) lgdogf  
A063757 6.39826 [ {a(n+3)-a(n+2)-2\*a(n+1)+2\*a(n), a(0) = 1, a(1) = 4, a(2) = 8},  
ogf]  
A063758 12.7479 [ (x^2+x+1)\*(x+1)/(x-1)/(x^2+x-1) ogf]  
A063758 12.9371 -2\*(-2-2\*x+2\*x^2+4\*x^3+x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2+x-1)  
lgdogf  
A063758 6.70366 [ {a(n+4)-2\*a(n+3)+a(n+1), a(0) = 1, a(1) = 4, a(2) = 10, a(3) =

20}], ogf]  
 A063759 15.2332 [  $-(x+1)*(2*x+1)/(2*x^2-1)$  ogf]  
 A063759 19.2519  $-(3+8*x+6*x^2)/(2*x+1)/(x+1)/(2*x^2-1)$  lgdogf  
 A063759 8.88605 [  $\{a(n+3)-2*a(n+1), a(0) = 1, a(1) = 3, a(2) = 4\}$ , ogf]  
 A063782 14.0915 [  $-(x+1)/(4*x^2+2*x-1)$  ogf]  
 A063782 15.1523  $1/2/(1+4*x)*(-2*x-1+(20*x^2+8*x+1)^(1/2))$  revogf  
 A063782 17.2568  $-(2*x+3)*(2*x+1)/(x+1)/(4*x^2+2*x-1)$  lgdogf  
 A063782 7.73316 [  $\{-a(n+2)+2*a(n+1)+4*a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
 A063808 16.1634 [  $(2*x^3-4*x^2-3*x-1)/(x-1)$  ogf]  
 A063808 17.8411  $2*(2+4*x-5*x^2+2*x^3)/(x-1)/(2*x^3-4*x^2-3*x-1)$  lgdogf  
 A063808 8.92355 [  $\{-a(n+4)+a(n+3), a(0) = 1, a(1) = 4, a(2) = 8, a(3) = 6\}$ , ogf]  
 A063809 10.6867 [  $(28*x^2+88*x+1)/(28*x^2-20*x+1)$  ogf]  
 A063809 12.4543  $-108*(-1+28*x^2)/(28*x^2-20*x+1)/(28*x^2+88*x+1)$  lgdogf  
 A063809 5.58844 [  $\{-a(n+3)+20*a(n+2)-28*a(n+1), a(0) = 1, a(1) = 108, a(2) = 2160\}$ , ogf]  
 A063810 4.72164 [  $(x^8+9*x^7+6*x^6+21*x^5+8*x^4+11*x^3+4*x^2+x+1)/(x^2+1)/(x^2+x+1)/(x-1)^4$  ogf]  
 A063812 6.87255 [  $(x^2+1)*(x+1)^2/(x^4-6*x^3-6*x^2-6*x+1)$  ogf]  
 A063812 8.17406  $-8*(x-1)*(x^4+2*x^3+4*x^2+2*x+1)/(x+1)/(x^2+1)/(x^4-6*x^3-6*x^2-6*x+1)$  lgdogf  
 A063813 5.11657 [  $(x^2+x+1)*(x^2-x+1)*(x+1)^2/(x^6-10*x^5-10*x^4-10*x^3-10*x^2-10*x+1)$  ogf]  
 A063814 4.41666 [  $(x^4+1)*(x^2+1)*(x+1)^2/(x^8-14*x^7-14*x^6-14*x^5-14*x^4-14*x^3-14*x^2-14*x+1)$  ogf]  
 A063816 4.94921 [  $(24*x^11+x^10+23*x^9+23*x^8+23*x^7+23*x^6+23*x^5+23*x^4+23*x^3+23*x^2+23*x+23)/(x^10-529*x^9+23*x^8-529*x^7+23*x^6-529*x^5+23*x^4-529*x^3+23*x^2-529*x+23)$  ogf]  
 A063817 7.92169 [  $(28*x^13+x^12+27*x+27)/(x^12-729*x+27)$  ogf]  
 A063818 14.5926  $-1/2-31/2*x+1/2*(1+66*x+961*x^2)^(1/2)$  revogf  
 A063818 14.8844 [  $-(x+1)/(31*x-1)$  ogf]  
 A063818 30.8066  $-32/(1+x)/(31*x-1)$  lgdogf  
 A063818 7.64335 [  $\{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
 A063819 14.1334  $-1/2-35/2*x+1/2*((1+25*x)*(49*x+1))^(1/2)$  revogf  
 A063819 15.5411 [  $-(x+1)/(35*x-1)$  ogf]  
 A063819 32.1929  $-36/(x+1)/(35*x-1)$  lgdogf  
 A063819 7.98057 [  $\{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
 A063820 15.2137  $-1/2-39/2*x+1/2*(1+82*x+1521*x^2)^(1/2)$  revogf  
 A063820 15.9059 [  $-(x+1)/(39*x-1)$  ogf]  
 A063820 32.9630  $-40/(x+1)/(39*x-1)$  lgdogf  
 A063820 8.16791 [  $\{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
 A063821 15.5692  $-1/2-43/2*x+1/2*(1+90*x+1849*x^2)^(1/2)$  revogf  
 A063821 16.2707 [  $-(x+1)/(43*x-1)$  ogf]  
 A063821 33.7332  $-44/(x+1)/(43*x-1)$  lgdogf  
 A063821 8.35524 [  $\{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
 A063822 16.0668  $-1/2-47/2*x+1/2*(1+98*x+2209*x^2)^(1/2)$  revogf  
 A063822 16.7815 [  $-(x+1)/(47*x-1)$  ogf]  
 A063822 34.8114  $-48/(x+1)/(47*x-1)$  lgdogf  
 A063822 8.61751 [  $\{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
 A063823 10.7418 [  $-(3*x^3+2*x^2-1)/(2*x-1)/(x-1)/(x^2+x+1)$  ogf]  
 A063823 8.88460  $-2*(1-2*x-x^2+2*x^3-x^4+4*x^5+3*x^6)/(x-1)/(-1+2*x)/(x^2+x+1)/(3*x^3+2*x^2-1)$  lgdogf  
 A063842 10.4447  $-(11+44*x+2*x^5+80*x^2+56*x^3+17*x^4)/(x-1)/(x+1)/(x^4+3*x^3+7*x^2+3*x+1)$  lgdogf  
 A063842 6.31159 [  $-(x+1)*(x^4+3*x^3+7*x^2+3*x+1)/(x-1)^7$  ogf]  
 A063843 3.45954 [  $-x*(6*x^8+339*x^7+3779*x^6+11221*x^5+10717*x^4+3681*x^3+473*x^2+23*x+1)/(x-1)^11$  ogf]  
 A063886 36.7484  $-2/(-1+2*x)/(2*x+1)$  lgdogf  
 A063886 6.72005 [  $\{(n+2)*a(n+2)-2*a(n+1)-4*n*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
 A063914 13.7717 [  $(x^3+x^2+2*x+1)/(x-1)^2/(x+1)^2$  ogf]  
 A063914 16.8868  $-(2+6*x+2*x^3+x^4+9*x^2)/(x-1)/(x+1)/(x^3+x^2+2*x+1)$  lgdogf  
 A063920 12.9412 [  $\{-a(n+2)+2*a(n), a(0) = 10, a(1) = 14\}$ , ogf]



A063920 17.4461  $-1/2*2^{(1/2)}*(\operatorname{arcsinh}(7)-\operatorname{arcsinh}(7+x))$  reveqf  
A063920 19.4986  $-(7+20*x+14*x^2)/(7*x+5)/(2*x^2-1)$  lgdogf  
A063920 19.8633  $[-2*(7*x+5)/(2*x^2-1)$  ogf]  
A063941 16.5624  $-1/39*\ln(17)+1/39*\ln(17+39*x)$  reveqf  
A063941 18.1802  $[-17/(39*x-1)$  ogf]  
A063941 36.9468  $-39/(-1+39*x)$  lgdogf  
A063941 9.09009  $[{a(n+1)-39*a(n), a(0) = 17},$  ogf]  
A063942 16.6587  $[(2*x^3-x^2-x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A063942 21.6021  $-2*x*(-1+x^4+4*x-x^2)/(x-1)/(x^2+x+1)/(2*x^3-x^2-x+1)$  lgdogf  
A063942 7.05184  $[{(-n-2)*a(n+1)-a(n+2)-a(n+3)+(n+1)*a(n+4), a(0) = 1, a(1) = 0,$   
 $a(2) = -1, a(3) = 2},$  ogf]  
A063945 17.5250  $[10*(x-1)/(10*x-1)$  ogf]  
A063945 18.6221  $1/2+1/2*x-1/10*(25+40*x+25*x^2)^{(1/2)}$  revogf  
A063945 40.5305  $9/(10*x-1)/(-1+x)$  lgdogf  
A063945 9.34668  $[{a(n+2)-10*a(n+1), a(0) = 10, a(1) = 90},$  ogf]  
A063992 11.4244  $(4-2*x+2*x^4-5*x^3+19*x^21-39*x^20+20*x^19+3*x^2)/(x-1)/(x^21-$   
 $x^20+x^4-x^3+2*x-3)$  lgdogf  
A063992 11.9315  $[-(x^21-x^20+x^4-x^3+2*x-3)/(x-1)^2$  ogf]  
A064017 11.9645  $[(3*x^2-3*x+1)/(3*x-1)^2$  ogf]  
A064017 21.4222  $3*(x-1)/(3*x-1)/(3*x^2-3*x+1)$  lgdogf  
A064017 6.15650  $[{-a(n+3)+6*a(n+2)-9*a(n+1), a(0) = 1, a(1) = 3, a(2) = 12},$   
ogf]  
A064031 10.9457  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A064037 3.07707  $[{(-144*n^3-864*n^2-1692*n-1080)*a(n+1)+(40*n^3+420*n^2+1424*n$   
 $+1560)*a(n+2)+(-n^3-15*n^2-74*n-120)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 24},$   
ogf]  
A064038 12.8192  $-3*(1-2*x-x^6+10*x^5-4*x^4+x^8+7*x^2)/(x-1)/(x^6+4*x^3+1)/$   
 $(x^2+1)$  lgdogf  
A064038 7.22499  $[-x*(x^6+4*x^3+1)/(x^2+1)^3/(x-1)^3$  ogf]  
A064043 10.3592  $[-3*x*(x^2-2*x-1)/(x-1)^4$  ogf]  
A064043 23.2861  $-2*(x+1)*(x-3)/(x-1)/(x^2-2*x-1)$  lgdogf  
A064043 3.83868  $[{(-3-n)*a(n+4)+(4-n)*a(n+3)+(7+3*n)*a(n+2)+(-2-n)*a(n+1), a(0)$   
 $= 0, a(1) = 3, a(2) = 18, a(3) = 51},$  ogf]  
A064046 19.0866  $-2*(7+22*x+7*x^2)/(x-1)/(7*x^2+10*x+1)$  lgdogf  
A064046 3.67978  $[{(n+3)*a(n+4)+(4+9*n)*a(n+3)+(-47-3*n)*a(n+2)+(-14-7*n)*a(n+1),$   
 $a(0) = 0, a(1) = 5, a(2) = 70, a(3) = 285},$  ogf]  
A064046 9.81276  $[5*x*(7*x^2+10*x+1)/(x-1)^4$  ogf]  
A064054 3.68565  $[-(x^2-5*x+5)*(x^2-x-1)/(x-1)^10$  ogf]  
A064054 8.63370  $-2*(-25+9*x+3*x^4-19*x^3+27*x^2)/(x-1)/(x^2-5*x+5)/(x^2-x-1)$   
lgdogf  
A064055 4.24080  $[-(x^5-6*x^4+15*x^3-16*x^2+4*x+3)/(x-1)^9$  ogf]  
A064055 8.47502  $-(31+4*x^5+66*x^3-25*x^4-67*x^2)/(x-1)/$   
 $(x^5-6*x^4+15*x^3-16*x^2+4*x+3)$  lgdogf  
A064056 10.5616  $-(-19+16*x-8*x^3+x^2+3*x^4)/(x-1)/(x^4-3*x^3+2*x^2+2*x-3)$  lgdogf  
A064056 5.44794  $[(x^4-3*x^3+2*x^2+2*x-3)/(x-1)^7$  ogf]  
A064057 4.56555  $[-(2*x^4-7*x^3+8*x^2-2*x-2)/(x-1)^8$  ogf]  
A064057 8.77119  $-(-18+2*x+8*x^4-27*x^3+27*x^2)/(x-1)/(2*x^4-7*x^3+8*x^2-2*x-2)$   
lgdogf  
A064058 4.39445  $[(3*x^4-11*x^3+14*x^2-6*x-1)/(x-1)^9$  ogf]  
A064058 8.78891  $-(-15-20*x+15*x^4-54*x^3+65*x^2)/(x-1)/$   
 $(3*x^4-11*x^3+14*x^2-6*x-1)$  lgdogf  
A064059 5.90698  $[(42*x^5-252*x^4+616*x^3-770*x^2+495*x-132)/(x-1)^7$  ogf]  
A064059 6.09158  $[{(n^2+17*n+42)*a(n+1)+(-n^2-11*n-18)*a(n+2), a(0) = 132, a(1) =$   
 $429},$  ogf]  
A064059 7.97641  $-(-429+1430*x+84*x^5-2002*x^2+1456*x^3-546*x^4)/(x-1)/$   
 $(42*x^5-252*x^4+616*x^3-770*x^2+495*x-132)$  lgdogf  
A064061 5.01891  $[(132*x^6-924*x^5+2730*x^4-4368*x^3+4004*x^2-2002*x+429)/$   
 $(x-1)^8$  ogf]  
A064061 6.06938  $[{(n^2+19*n+48)*a(n+1)+(-n^2-12*n-20)*a(n+2), a(0) = 429, a(1) =$   
 $1430},$  ogf]  
A064061 6.41011  $-2*(715-3003*x+132*x^6-990*x^5+3150*x^4-5460*x^3+5460*x^2)/$

$(x-1)/(132*x^6-924*x^5+2730*x^4-4368*x^3+4004*x^2-2002*x+429)$  lgdogf  
A064062 13.6287  $-1/2*(-1+8*x+3*(1-8*x)^{(1/2)})/(x+1)/(-1+8*x)$  lgdogf  
A064062 20.6780  $1/4*(3-x+(1-6*x+x^2)^{(1/2)})*x$  revogf  
A064062 4.05315  $[{(8*n+12)*a(n+1)+(7*n+9)*a(n+2)+(-n-3)*a(n+3)}, a(0) = 1, a(1) = 1, a(2) = 3],$  ogf]  
A064063 12.2379  $-1/2*(-1+12*x+5*(1-12*x)^{(1/2)})/(x+2)/(-1+12*x)$  lgdogf  
A064063 19.1727  $1/6*(5-x+(1-10*x+x^2)^{(1/2)})*x$  revogf  
A064063 4.75699  $[{(12*n+18)*a(n+1)+(23*n+33)*a(n+2)+(-2*n-6)*a(n+3)}, a(0) = 1, a(1) = 1, a(2) = 4],$  ogf]  
A064087 11.6525  $-1/2*(-1+16*x+7*(1-16*x)^{(1/2)})/(x+3)/(-1+16*x)$  lgdogf  
A064087 18.2555  $1/8*(7-x+(1-14*x+x^2)^{(1/2)})*x$  revogf  
A064087 4.60632  $[{(16*n+24)*a(n+1)+(47*n+69)*a(n+2)+(-3*n-9)*a(n+3)}, a(0) = 1, a(1) = 1, a(2) = 5],$  ogf]  
A064088 11.0695  $-1/2*(-1+20*x+9*(1-20*x)^{(1/2)})/(x+4)/(-1+20*x)$  lgdogf  
A064088 16.7828  $1/10*(9-x+(1-18*x+x^2)^{(1/2)})*x$  revogf  
A064088 3.40915  $[{(20*n+30)*a(n+1)+(79*n+117)*a(n+2)+(-4*n-12)*a(n+3)}, a(0) = 1, a(1) = 1, a(2) = 6],$  ogf]  
A064089 14.9629  $1/12*(11-x+(1-22*x+x^2)^{(1/2)})*x$  revogf  
A064089 3.12194  $[{(24*n+36)*a(n+1)+(119*n+177)*a(n+2)+(-5*n-15)*a(n+3)}, a(0) = 1, a(1) = 1, a(2) = 7],$  ogf]  
A064089 9.97526  $-1/2*(-1+24*x+11*(1-24*x)^{(1/2)})/(x+5)/(-1+24*x)$  lgdogf  
A064090 10.3884  $-1/2*(-1+28*x+13*(1-28*x)^{(1/2)})/(x+6)/(-1+28*x)$  lgdogf  
A064090 15.5827  $1/14*(13-x+(1-26*x+x^2)^{(1/2)})*x$  revogf  
A064090 3.24827  $[{(28*n+42)*a(n+1)+(167*n+249)*a(n+2)+(-6*n-18)*a(n+3)}, a(0) = 1, a(1) = 1, a(2) = 8],$  ogf]  
A064091 11.3328  $-1/2*(32*x-1+15*(1-32*x)^{(1/2)})/(x+7)/(32*x-1)$  lgdogf  
A064091 16.2910  $1/16*(15-x+(1-30*x+x^2)^{(1/2)})*x$  revogf  
A064091 3.39263  $[{(32*n+48)*a(n+1)+(223*n+333)*a(n+2)+(-7*n-21)*a(n+3)}, a(0) = 1, a(1) = 1, a(2) = 9],$  ogf]  
A064092 11.2148  $-1/2*(-1+36*x+17*(1-36*x)^{(1/2)})/(x+8)/(-1+36*x)$  lgdogf  
A064092 16.8222  $1/18*(17-x+(1-34*x+x^2)^{(1/2)})*x$  revogf  
A064092 3.47875  $[{(36*n+54)*a(n+1)+(287*n+429)*a(n+2)+(-8*n-24)*a(n+3)}, a(0) = 1, a(1) = 1, a(2) = 10],$  ogf]  
A064093 11.5689  $-1/2*(-1+40*x+19*(1-40*x)^{(1/2)})/(x+9)/(-1+40*x)$  lgdogf  
A064093 17.3534  $1/20*(19-x+(1-38*x+x^2)^{(1/2)})*x$  revogf  
A064093 3.58634  $[{(40*n+60)*a(n+1)+(359*n+537)*a(n+2)+(-9*n-27)*a(n+3)}, a(0) = 1, a(1) = 1, a(2) = 11],$  ogf]  
A064096 11.8759  $-2*(7+32*x+x^3+20*x^2)/(x-1)/(1+2*x)/(x^2+8*x+1)$  lgdogf  
A064096 7.38959  $[ (2*x+1)*(x^2+8*x+1)/(x-1)^4$  ogf]  
A064099 12.3842  $(-2+3*x^4+39*x^40-40*x^39-4*x^3-13*x^12+12*x^13)/(x-1)/(x^40+x^13+x^4+x+1)$  lgdogf  
A064099 14.8389  $[ -(x^40+x^13+x^4+x+1)/(x-1)$  ogf]  
A064100 4.96981  $[ -(10*x-1)*(10*x+1)/(100*x-1)^2/(x-1)^2$  ogf]  
A064100 6.65450  $-2*(101-300*x+10000*x^3)/(-1+x)/(10*x+1)/(100*x-1)/(10*x-1)$  lgdogf  
A064108 12.8911  $-1/40*(-21*x-1+(361*x^2+42*x+1)^{(1/2)})/x$  revogf  
A064108 14.9755  $[ x/(20*x-1)/(x-1)$  ogf]  
A064108 19.0979  $-(-21+40*x)/(-1+20*x)/(x-1)$  lgdogf  
A064108 6.31499  $[{a(n+2)-21*a(n+1)+20*a(n)}, a(0) = 0, a(1) = 1],$  ogf]  
A064170 10.9159  $[ -(x^3+2*x^2-7*x+1)/(x-1)/(x^2-7*x+1)$  ogf]  
A064170 5.66314  $[{-a(n+4)+8*a(n+3)-8*a(n+2)+a(n+1)}, a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 10],$  ogf]  
A064170 9.17945  $-(-1-12*x+10*x^4-30*x^3+46*x^2)/(x-1)/(x^2-7*x+1)/(x^3+2*x^2-7*x+1)$  lgdogf  
A064195 4.79115  $[ -9*x^2*(22*x^4-109*x^3+63*x^2+1013*x+91)/(x-1)^7$  ogf]  
A064195 8.34768  $-6*(275+1034*x-58*x^3+11*x^4-2*x^2)/(x-1)/(22*x^4-109*x^3+63*x^2+1013*x+91)$  lgdogf  
A064196 2.43538  $[ -36*x*(2*x^3+42*x^2+30*x+1)/(x-1)^5$  ogf]  
A064197 29.5354  $-(7+8*x)/(2*x+1)/(x-1)$  lgdogf  
A064197 4.37629  $[{(n+1)*a(n+3)+(-7+n)*a(n+2)+(-6-2*n)*a(n+1)}, a(0) = 0, a(1) = 0, a(2) = 324],$  ogf]

A064197 7.90895 [  $-324x^2(2x+1)/(x-1)^5$  ogf]  
A064198 16.4827  $-3*(-13-4x+2x^2)/(-1+x)/(2x^2-4x-7)$  lgdogf  
A064198 7.21810 [  $12x^2(2x^2-4x-7)/(x-1)^5$  ogf]  
A064199 14.0484  $-2*(-7-21x-3x^2+x^3)/(x-1)/(x^3-3x^2-9x-1)$  lgdogf  
A064199 3.58706 [  $\{(n^2+9n+14)*a(n+1)+(10n^2+78n+152)*a(n+2)+(-11n^2-39n-34)*a(n+3), a(0) = 0, a(1) = 9, a(2) = 126\}$ , ogf]  
A064199 7.05841 [  $9x*(x^3-3x^2-9x-1)/(x-1)^5$  ogf]  
A064200 15.6377 [  $-24x^2/(x-1)^3$  ogf]  
A064200 6.48047 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 0, a(2) = 24\}$ , ogf]  
A064200 88.9942  $-3/(x-1)$  lgdogf  
A064201 12.4180 [  $-9x*(5x+1)/(x-1)^3$  ogf]  
A064201 29.5554  $-2*(4+5x)/(5x+1)/(x-1)$  lgdogf  
A064201 6.43074 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 9, a(2) = 72\}$ , ogf]  
A064202 12.9978  $-(17+74x+41x^2+8x^3)/(x-1)/(2x^3+7x^2+10x+1)$  lgdogf  
A064202 3.41964 [  $\{(55n^2+303n+332)*a(n+1)+(124n^2+1758n+3674)*a(n+2)+(-179n^2-657n-598)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 34\}$ , ogf]  
A064202 5.94586 [  $-2x*(2x^3+7x^2+10x+1)/(x-1)^7$  ogf]  
A064203 3.69242 [  $4x^2*(2x^5+25x^4+135x^3+230x^2+145x+23)/(x-1)^{10}$  ogf]  
A064203 7.18673  $-5*(75+353x+2x^5+32x^4+209x^3+449x^2)/(x-1)/(2x^5+25x^4+135x^3+230x^2+145x+23)$  lgdogf  
A064204 4.15129 [  $x^2*(20x^6-59x^5+70x^4+45x^3+120x^2+80x+4)/(x-1)^{10}$  ogf]  
A064204 5.99158  $-5*(24+192x+16x^6+219x^2+119x^3+25x^4-35x^5)/(x-1)/(20x^6-59x^5+70x^4+45x^3+120x^2+80x+4)$  lgdogf  
A064206 4.70197 [  $(x^{16}-x^{15}-5x^{12}+4x^{11}+x^9+x^8+7x^7-4x^6+x^5+x^4-4x^3-2x^2+x+5)/(x^2-x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A064225 13.2433 [  $-(3x^2+5x+1)/(x-1)^3$  ogf]  
A064225 22.6437  $-(8+16x+3x^2)/(x-1)/(3x^2+5x+1)$  lgdogf  
A064225 7.14905 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 8, a(2) = 24\}$ , ogf]  
A064226 13.3689 [  $-(x^2+5x+3)/(x-1)^3$  ogf]  
A064226 25.0058  $-(14+12x+x^2)/(x-1)/(x^2+5x+3)$  lgdogf  
A064226 7.15351 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 3, a(1) = 14, a(2) = 34\}$ , ogf]  
A064235 10.3646  $3*(-1-54x^8+48x^9+4x^3-6x^2+468x^{27}-486x^{26})/(x-1)/(54x^{27}+18x^9+6x^3+2x+1)$  lgdogf  
A064235 14.0328 [  $-(54x^{27}+18x^9+6x^3+2x+1)/(x-1)$  ogf]  
A064302 5.66909 [  $-(6x^4+111x^3+181x^2+37x+1)/(x-1)^5$  ogf]  
A064302 8.26682  $-6*(7+85x+x^4+41x^3+146x^2)/(x-1)/(6x^4+111x^3+181x^2+37x+1)$  lgdogf  
A064303 4.63950 [  $(18x^5+741x^4+2624x^3+1530x^2+126x+1)/(x-1)^6$  ogf]  
A064303 5.93742  $-6*(22+615x+1806x^3+2332x^2+262x^4+3x^5)/(x-1)/(18x^5+741x^4+2624x^3+1530x^2+126x+1)$  lgdogf  
A064304 3.62748 [  $-(57x^6+4950x^5+34063x^4+43940x^3+11607x^2+422x+1)/(x-1)^7$  ogf]  
A064305 2.95643 [  $(186x^7+33337x^6+412698x^5+1013799x^4+616894x^3+83823x^2+1422x+1)/(x-1)^8$  ogf]  
A064306 14.1570  $1/4/x^2*(-1+x-4x^2+(1-2x+9x^2)^{1/2})$  revogf  
A064306 3.80565 [  $\{(-8n-20)*a(n+1)+(-7n-16)*a(n+2)+(n+4)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 7\}$ , ogf]  
A064310 13.9633  $-1/2*(1+4x+3*(1+4x)^{1/2})/(1+4x)/(x-2)$  lgdogf  
A064310 18.9180  $-1/2*(-3-x+(1+6x+x^2)^{1/2})*x$  revogf  
A064310 3.76103 [  $\{(4n+6)*a(n+1)+(-7n-9)*a(n+2)+(-2n-6)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 0\}$ , ogf]  
A064311 12.9030  $-1/2*(1+8x+5*(1+8x)^{1/2})/(1+8x)/(x-3)$  lgdogf  
A064311 16.9351  $-1/4*(-5-x+(1+10x+x^2)^{1/2})*x$  revogf  
A064311 3.42259 [  $\{(8n+12)*a(n+1)+(-23n-33)*a(n+2)+(-3n-9)*a(n+3), a(0) = 1, a(1) = 1, a(2) = -1\}$ , ogf]

A064317 5.89714 [  $(x^{29}-x^{28}+x^{24}-x^{23}+x^{19}-x^{18}+x^{14}-x^{13}+x^{10}+x^7+x^5+x^3+1)/(x^2-x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A064321 4.03368 [  $\{( -n^3-n^2) * a(n) + (n^3-7*n^2+16*n-12) * a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 864\}$ , ogf]  
A064321 4.05970 [  $-288*x^4*(3*x^4+33*x^3+68*x^2+33*x+3)/(x-1)^9$  ogf]  
A064321 9.25373  $-5*(12+80*x+3*x^4+42*x^3+115*x^2)/(x-1)/(3*x^4+33*x^3+68*x^2+33*x+3)$  lgdogf  
A064322 4.91330 [  $-x*(x^6+12*x^5+78*x^4+133*x^3+78*x^2+12*x+1)/(x-1)^9$  ogf]  
A064322 5.66097 [  $\{( -n^3-10*n^2-35*n-42) * a(n+1) + (n^3+2*n^2+3*n+2) * a(n+2), a(0) = 0, a(1) = 1\}$ , ogf]  
A064322 8.20332  $-3*(7+84*x+x^6+18*x^5+315*x^2+370*x^3+150*x^4)/(x-1)/(x^6+12*x^5+78*x^4+133*x^3+78*x^2+12*x+1)$  lgdogf  
A064325 12.5821  $-1/2*(1+12*x+7*(1+12*x)^{(1/2)})/(1+12*x)/(x-4)$  lgdogf  
A064325 17.6935  $-1/6*(-7-x+(1+14*x+x^2)^{(1/2)}) * x$  revogf  
A064325 4.99655 [  $\{( -12*n-18) * a(n+1) + (47*n+69) * a(n+2) + (4*n+12) * a(n+3), a(0) = 1, a(1) = 1, a(2) = -2\}$ , ogf]  
A064326 12.6284  $-1/2*(1+16*x+9*(1+16*x)^{(1/2)})/(1+16*x)/(x-5)$  lgdogf  
A064326 17.7587  $-1/8*(-9-x+(1+18*x+x^2)^{(1/2)}) * x$  revogf  
A064326 4.50823 [  $\{( -16*n-24) * a(n+1) + (79*n+117) * a(n+2) + (5*n+15) * a(n+3), a(0) = 1, a(1) = 1, a(2) = -3\}$ , ogf]  
A064327 11.6243  $-1/2*(1+20*x+11*(1+20*x)^{(1/2)})/(1+20*x)/(x-6)$  lgdogf  
A064327 15.7270  $-1/10*(-11-x+(1+22*x+x^2)^{(1/2)}) * x$  revogf  
A064327 4.29324 [  $\{( -20*n-30) * a(n+1) + (119*n+177) * a(n+2) + (6*n+18) * a(n+3), a(0) = 1, a(1) = 1, a(2) = -4\}$ , ogf]  
A064328 10.7169  $-1/2*(1+24*x+13*(1+24*x)^{(1/2)})/(1+24*x)/(x-7)$  lgdogf  
A064328 14.4994  $-1/12*(-13-x+(1+26*x+x^2)^{(1/2)}) * x$  revogf  
A064328 3.06781 [  $\{( -24*n-36) * a(n+1) + (167*n+249) * a(n+2) + (7*n+21) * a(n+3), a(0) = 1, a(1) = 1, a(2) = -5\}$ , ogf]  
A064329 11.2712  $-1/2*(1+28*x+15*(1+28*x)^{(1/2)})/(1+28*x)/(x-8)$  lgdogf  
A064329 15.2493  $-1/14*(-15-x+(1+30*x+x^2)^{(1/2)}) * x$  revogf  
A064329 3.23022 [  $\{( -28*n-42) * a(n+1) + (223*n+333) * a(n+2) + (8*n+24) * a(n+3), a(0) = 1, a(1) = 1, a(2) = -6\}$ , ogf]  
A064330 11.7640  $-1/2*(1+32*x+17*(1+32*x)^{(1/2)})/(1+32*x)/(x-9)$  lgdogf  
A064330 15.9160  $-1/16*(-17-x+(1+34*x+x^2)^{(1/2)}) * x$  revogf  
A064330 3.37459 [  $\{( -32*n-48) * a(n+1) + (287*n+429) * a(n+2) + (9*n+27) * a(n+3), a(0) = 1, a(1) = 1, a(2) = -7\}$ , ogf]  
A064331 11.8151  $-1/2*(1+36*x+19*(1+36*x)^{(1/2)})/(1+36*x)/(x-10)$  lgdogf  
A064331 16.3326  $-1/18*(-19-x+(1+38*x+x^2)^{(1/2)}) * x$  revogf  
A064331 3.44289 [  $\{( -36*n-54) * a(n+1) + (359*n+537) * a(n+2) + (10*n+30) * a(n+3), a(0) = 1, a(1) = 1, a(2) = -8\}$ , ogf]  
A064332 12.1768  $-1/2*(1+40*x+21*(1+40*x)^{(1/2)})/(1+40*x)/(x-11)$  lgdogf  
A064332 16.8326  $-1/20*(-21-x+(1+42*x+x^2)^{(1/2)}) * x$  revogf  
A064332 3.55048 [  $\{( -40*n-60) * a(n+1) + (439*n+657) * a(n+2) + (11*n+33) * a(n+3), a(0) = 1, a(1) = 1, a(2) = -9\}$ , ogf]  
A064333 12.4782  $-1/2*(1+44*x+23*(1+44*x)^{(1/2)})/(1+44*x)/(x-12)$  lgdogf  
A064333 17.2492  $-1/22*(-23-x+(1+46*x+x^2)^{(1/2)}) * x$  revogf  
A064333 3.61725 [  $\{( -44*n-66) * a(n+1) + (527*n+789) * a(n+2) + (12*n+36) * a(n+3), a(0) = 1, a(1) = 1, a(2) = -10\}$ , ogf]  
A064335 3.79767 [  $\{( -4*n^3-26*n^2-54*n-36) * a(n+1) + (n+4) * a(n+2), a(0) = 3, a(1) = 4\}$ , ogf]  
A064340 6.87036  $1/2*(-5+98*x-288*x^2+3*(-(16*x-1)*(-1+26*x)^2)^{(1/2)})/(1+2*x)/(9*x+1)/(16*x-1)$  lgdogf  
A064341 5.96292  $1/2*(-26+1011*x-2700*x^2+5*(-(-1+36*x)*(-2+111*x)^2)^{(1/2)})/(3*x+2)/(-1+36*x)/(25*x+4)$  lgdogf  
A064342 5.86387  $1/2*(-75+4996*x-12544*x^2+7*(-(-1+64*x)*(-3+292*x)^2)^{(1/2)})/(4*x+3)/(-1+64*x)/(49*x+9)$  lgdogf  
A064349 11.4220  $-(1+6*x+30*x^5+16*x^2+36*x^3+31*x^4)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A064349 18.6243 [  $1+2*x+3/2*x^2+2/3*x^3$  egf\_with\_Euler\_transform]  
A064350 4.34231 [  $\{( 27*n^2+81*n+60) * a(n+1) - a(n+2), a(0) = 1, a(1) = 6\}$ , ogf]  
A064352 19.4081  $(-1+(1-2*x)^{(1/2)}) * (-1+2*x)$  revogf

A064352 4.65313 [  $\{(27n^2+81n+60)a(n+1)+(-4n-6)a(n+2), a(0) = 1, a(1) = 3\}$ , ogf ]  
A064352 9.22603 [ hypergeom([1/3, 2/3],[1/2],27/4\*x), egf ]  
A064378 5.00056 [  $\{4n^2a(n)+(2n^2+4n+4)a(n+1)+(-n-2)a(n+2), a(0) = 2, a(1) = 4\}$ , ogf ]  
A064385 10.7963  $-1/10*(-7-6*x+(49+104*x+16*x^2)^{1/2})/(-1+x)$  revogf  
A064385 11.0580 [  $(5*x+7)/(5*x-1)/(x-1)$  ogf ]  
A064385 12.1458  $-(-47+70*x+25*x^2)/(x-1)/(5*x+7)/(5*x-1)$  lgdogf  
A064385 5.99530 [  $\{-a(n+2)+6a(n+1)-5a(n), a(0) = 7, a(1) = 47\}$ , ogf ]  
A064386 6.52616 [  $-(8*x^8-2*x^5-2*x^4-4*x^3+x^2+x+1)/(x-1)/(4*x^3-1)/(2*x^3-1)$  ogf ]  
A064412 7.60310 [  $(x^2+x+1)*(3*x^3+x^2+2*x+1)/(x^2+1)/(x+1)^2/(x-1)^4$  ogf ]  
A064412 7.74858  $-(5+18*x+58*x^3+58*x^5+9*x^8+22*x^7+50*x^6+76*x^4+40*x^2)/(x-1)/(x+1)/(x^2+1)/(3*x^3+x^2+2*x+1)/(x^2+x+1)$  lgdogf  
A064429 13.6853 [  $x*(2*x^2-x+2)/(x^2+x+1)/(x-1)^2$  ogf ]  
A064429 16.8599  $-(1+5*x+4*x^4-x^3+9*x^2)/(x-1)/(x^2+x+1)/(2*x^2-x+2)$  lgdogf  
A064429 5.45734 [  $\{(n+3)a(n+1)+a(n+2)+a(n+3)+(-n-2)a(n+4), a(0) = 0, a(1) = 2, a(2) = 1, a(3) = 3\}$ , ogf ]  
A064455 18.3286 [  $(3*x+1)/(x-1)^2/(x+1)^2$  ogf ]  
A064455 25.9116  $-(3+4*x+9*x^2)/(x-1)/(3*x+1)/(x+1)$  lgdogf  
A064455 4.55889 [  $\{(-n-4)a(n+4)+(-6-3*n)a(n+3)+(6+n)a(n+2)+(12+3*n)a(n+1), a(0) = 1, a(1) = 3, a(2) = 2, a(3) = 6\}$ , ogf ]  
A064458 20.3485 [  $x^{11}/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A064458 9.76462  $-(1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+12*x^{10})/(x-1)/(1+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x)$  lgdogf  
A064459 20.2436 [  $x^{12}/(x+1)/(x^4-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2$  ogf ]  
A064459 9.00621  $-(1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+13*x^{11})/(x-1)/(1+x^2+x)/(1+x)/(1-x+x^2)/(1+x^2)/(x^4-x^2+1)$  lgdogf  
A064487 4.15498 [  $20*(128*x+1)*(16384*x^2-32*x+1)/(1024*x-1)/(256*x-1)/(64*x-1)/(16*x-1)$  ogf ]  
A064488 6.27677 [  $x*(x^{10}+x^8+x+1)*(x^6+x^3+1)/(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A064506 6.23348 [  $x*(x+1)*(x^2+1)*(x^2-x+1)*(x^{11}+x^5+x^4-x^3-x^2+x+1)/(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A064551 7.89916 [  $(x^4+x^3+2*x^2-3*x+1)/(x^2+x-1)/(x-1)^3$  ogf ]  
A064551 9.35438  $-(-1+4*x+4*x^5+12*x^4-10*x^3+x^6-4*x^2)/(x-1)/(x^2+x-1)/(x^4+x^3+2*x^2-3*x+1)$  lgdogf  
A064583 3.42814 [  $-48*x^2*(x+1)*(17*x^6+903*x^5+8415*x^4+19130*x^3+8415*x^2+903*x+17)/(x-1)^{11}$  ogf ]  
A064598 4.85460 [  $-(x^{36}-x^{34}-x^{33}+x^{24}+x^{22}-x^{12}-1)/(x^{33}-x^{23}-x^{22}+x^{12}+1)/(x-1)^2$  ogf ]  
A064613 24.4595  $x*(-1+x)/(-1-2*x+2*x^2)$  revogf  
A064613 3.73333 [  $\{(-12*n-24)a(n+1)+(8*n+22)a(n+2)+(-n-4)a(n+3), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf ]  
A064613 5.51539  $-1/2*(2*x-1-(6*x-1)^{1/2}*(2*x-1)^{1/2}+4*(6*x-1)^{1/2}*(2*x-1)^{1/2}*x)/(6*x-1)^{1/2}/(2*x-1)^{3/2}/x$  lgdogf  
A064616 10.3055 [  $(100*x-9)/(x-1)/(10*x-1)^2$  ogf ]  
A064616 13.7621  $-(89-1270*x+2000*x^2)/(x-1)/(100*x-9)/(10*x-1)$  lgdogf  
A064616 5.15277 [  $\{-a(n+3)+21a(n+2)-120a(n+1)+100a(n), a(0) = 9, a(1) = 89, a(2) = 789\}$ , ogf ]  
A064617 12.2457 [  $(10*x-9)/(10*x-1)/(x-1)^2$  ogf ]  
A064617 14.6862  $-2*(10*x-7)^2/(x-1)/(10*x-9)/(10*x-1)$  lgdogf  
A064617 5.91530 [  $\{a(n+3)-12a(n+2)+21a(n+1)-10a(n), a(0) = 9, a(1) = 98, a(2) = 987\}$ , ogf ]  
A064633 4.31854 [  $\{(3*n^2+18*n+24)a(n+1)-a(n+2), a(0) = 1, a(1) = 9\}$ , ogf ]  
A064641 30.2597  $-x*(-1+x)/(1+x+x^2)$  revogf  
A064671 6.65421  $-2*(-9+62*x-172*x^2+280*x^3-280*x^4+128*x^5)/(x-1)/(2*x-1)/$

$(-1+4*x)/(16*x^3-22*x^2+12*x-3)$  lgdogf  
A064671 7.49966 [  $x*(16*x^3-22*x^2+12*x-3)/(4*x-1)/(2*x-1)^2/(x-1)^2$  ogf]  
A064680 14.8844 [  $x*(2*x^2+x+2)/(x-1)^2/(x+1)^2$  ogf]  
A064680 19.8925  $-(1+12*x+4*x^3+3*x^2)/(x-1)/(1+x)/(2+2*x^2+x)$  lgdogf  
A064680 7.89523 [  $\{a(n+3)*a(n+1)+(-n-1)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 1\}$ , ogf]  
A064686 13.0324 [  $-x*(3*x-2)/(3*x-1)/(2*x-1)$  ogf]  
A064686 15.3369  $-(7-24*x+18*x^2)/(3*x-1)/(-1+2*x)/(3*x-2)$  lgdogf  
A064686 16.1234  $-1/6*(-2-5*x+(4+8*x+x^2)^(1/2))/(2*x+1)$  revogf  
A064686 6.32265 [  $\{a(n+3)-5*a(n+2)+6*a(n+1), a(0) = 0, a(1) = 2, a(2) = 7\}$ , ogf]  
A064694 15.8481  $-(5+15*x+10*x^3+26*x^2)/(x-1)/(x+1)/(2*x^2+4*x+1)$  lgdogf  
A064694 8.51382 [  $(2*x^2+4*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A064717 6.06116 [  $(2*x^12+2*x^11+x^10+2*x^9+x^8+2*x^7+x^6+2*x^5+x^4+2*x^3+x^2+2*x+1)/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A064718 8.50665 [  $(x+1)*(x^6+x^5+2*x^4+x^3+2*x^2+x+2)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A064719 6.87364 [  $(2*x^10+2*x^9+2*x^8+2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A064720 6.75818 [  $(x^10+2*x^9+2*x^8+2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A064724 11.6026 [  $(x+1)*(2*x^3+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A064724 9.12980  $-(3+5*x+13*x^4+14*x^3+10*x^2+15*x^5+8*x^6+8*x^7+4*x^8)/(x-1)/(x+1)/(2*x^3+x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A064746 10.8508  $-(-9-24*x+448*x^3-72*x^2)/(x-1)/(8*x-1)/(56*x^2-8*x+1)$  lgdogf  
A064746 5.10873 [  $\{a(n+3)-17*a(n+2)+80*a(n+1)-64*a(n), a(0) = 1, a(1) = 9, a(2) = 129\}$ , ogf]  
A064746 9.19571 [  $-(56*x^2-8*x+1)/(x-1)/(8*x-1)^2$  ogf]  
A064747 10.9365  $-2*(-5-18*x+324*x^3-45*x^2)/(x-1)/(9*x-1)/(72*x^2-9*x+1)$  lgdogf  
A064747 5.29001 [  $\{a(n+3)-19*a(n+2)+99*a(n+1)-81*a(n), a(0) = 1, a(1) = 10, a(2) = 163\}$ , ogf]  
A064747 9.60340 [  $-(72*x^2-9*x+1)/(x-1)/(9*x-1)^2$  ogf]  
A064748 11.0163  $-(-11-50*x+900*x^3-110*x^2)/(x-1)/(10*x-1)/(90*x^2-10*x+1)$  lgdogf  
A064748 5.42268 [  $\{a(n+3)-21*a(n+2)+120*a(n+1)-100*a(n), a(0) = 1, a(1) = 11, a(2) = 201\}$ , ogf]  
A064748 9.56943 [  $-(90*x^2-10*x+1)/(x-1)/(10*x-1)^2$  ogf]  
A064749 11.0791  $-2*(-6-33*x+605*x^3-66*x^2)/(x-1)/(11*x-1)/(110*x^2-11*x+1)$  lgdogf  
A064749 5.54536 [  $\{a(n+3)-23*a(n+2)+143*a(n+1)-121*a(n), a(0) = 1, a(1) = 12, a(2) = 243\}$ , ogf]  
A064749 9.64410 [  $-(110*x^2-11*x+1)/(x-1)/(-1+11*x)^2$  ogf]  
A064750 11.2379  $-(-13-84*x+1584*x^3-156*x^2)/(x-1)/(12*x-1)/(132*x^2-12*x+1)$  lgdogf  
A064750 5.71712 [  $\{a(n+3)-25*a(n+2)+168*a(n+1)-144*a(n), a(0) = 1, a(1) = 13, a(2) = 289\}$ , ogf]  
A064750 9.94283 [  $-(132*x^2-12*x+1)/(x-1)/(-1+12*x)^2$  ogf]  
A064751 10.7070  $-(49-85*x-25*x^2+125*x^3)/(x-1)/(5*x-1)/(25*x^2-5*x-4)$  lgdogf  
A064751 5.00135 [  $\{-a(n+3)+11*a(n+2)-35*a(n+1)+25*a(n), a(0) = 4, a(1) = 49, a(2) = 374\}$ , ogf]  
A064751 9.07937 [  $(25*x^2-5*x-4)/(x-1)/(5*x-1)^2$  ogf]  
A064752 10.2788  $-(71-126*x-36*x^2+216*x^3)/(x-1)/(6*x-1)/(36*x^2-6*x-5)$  lgdogf  
A064752 4.89076 [  $\{-a(n+3)+13*a(n+2)-48*a(n+1)+36*a(n), a(0) = 5, a(1) = 71, a(2) = 647\}$ , ogf]  
A064752 8.87862 [  $(36*x^2-6*x-5)/(x-1)/(6*x-1)^2$  ogf]  
A064753 10.6736  $-(97-175*x-49*x^2+343*x^3)/(x-1)/(7*x-3)/(7*x+2)/(7*x-1)$  lgdogf  
A064753 5.12184 [  $\{-a(n+3)+15*a(n+2)-63*a(n+1)+49*a(n), a(0) = 6, a(1) = 97, a(2) = 1028\}$ , ogf]  
A064753 9.37691 [  $(7*x+2)*(7*x-3)/(x-1)/(7*x-1)^2$  ogf]  
A064754 10.1679  $-(127-232*x+512*x^3-64*x^2)/(x-1)/(8*x-1)/(64*x^2-8*x-7)$  lgdogf  
A064754 4.84137 [  $\{-a(n+3)+17*a(n+2)-80*a(n+1)+64*a(n), a(0) = 7, a(1) = 127,$

$a(2) = 1535$ }, ogf]  
A064754 8.93791 [  $(64x^2-8x-7)/(x-1)/(8x-1)^2$  ogf]  
A064755 10.9727  $-(9x+7)(81x^2-72x+23)/(x-1)/(9x-1)/(81x^2-9x-8)$  lgdogf  
A064755 5.03406 [  $\{-a(n+3)+19a(n+2)-99a(n+1)+81a(n), a(0) = 8, a(1) = 161, a(2) = 2186\}$ , ogf]  
A064755 9.29365 [  $(81x^2-9x-8)/(x-1)/(9x-1)^2$  ogf]  
A064756 10.0926  $-(199-370x+1000x^3-100x^2)/(x-1)/(10x-1)/(100x^2-10x-9)$  lgdogf  
A064756 5.14107 [  $\{-a(n+3)+21a(n+2)-120a(n+1)+100a(n), a(0) = 9, a(1) = 199, a(2) = 2999\}$ , ogf]  
A064756 9.09000 [  $(100x^2-10x-9)/(x-1)/(10x-1)^2$  ogf]  
A064757 10.2562  $-(241-451x+1331x^3-121x^2)/(x-1)/(11x-1)/(121x^2-11x-10)$  lgdogf  
A064757 5.26376 [  $\{-a(n+3)+23a(n+2)-143a(n+1)+121a(n), a(0) = 10, a(1) = 241, a(2) = 3992\}$ , ogf]  
A064757 9.24919 [  $(121x^2-11x-10)/(x-1)/(-1+11x)^2$  ogf]  
A064758 10.5825  $-(287-540x+1728x^3-144x^2)/(x-1)/(12x-1)/(144x^2-12x-11)$  lgdogf  
A064758 5.42825 [  $\{-a(n+3)+25a(n+2)-168a(n+1)+144a(n), a(0) = 11, a(1) = 287, a(2) = 5183\}$ , ogf]  
A064758 9.53821 [  $(144x^2-12x-11)/(x-1)/(-1+12x)^2$  ogf]  
A064761 12.6923 [  $-15x^*(x+1)/(x-1)^3$  ogf]  
A064761 35.4144 [  $[4-x]$  ogf\_with\_Euler\_transform]  
A064761 36.8888  $-2*(x+2)/(x-1)/(1+x)$  lgdogf  
A064761 6.62693 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 15, a(2) = 60\}$ , ogf]  
A064762 12.1458 [  $-21x^*(x+1)/(x-1)^3$  ogf]  
A064762 33.8739 [  $[4-x]$  ogf\_with\_Euler\_transform]  
A064762 35.2846  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A064762 6.34164 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 21, a(2) = 84\}$ , ogf]  
A064763 12.4541 [  $-28x^*(x+1)/(x-1)^3$  ogf]  
A064763 34.7336 [  $[4-x]$  ogf\_with\_Euler\_transform]  
A064763 36.1940  $-2*(x+2)/(x-1)/(1+x)$  lgdogf  
A064763 6.44555 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 28, a(2) = 112\}$ , ogf]  
A064776 5.07056 [  $(480x^{12}+320x^{11}-480x^{10}-80x^9-80x^8-80x^7-24x^6-24x^5-21x^4-5x^3-3x^2-3x-2)/(400x^{11}-1)$  ogf]  
A064796 10.4321 [  $-(x^5-x^4-2x^3+2x^2+1)/(x+1)/(x-1)^3$  ogf]  
A064796 11.8404  $(-2-8x-2x^5-x^4+4x^3+x^6+2x^2)/(x-1)/(1+x)/(x^5-x^4-2x^3+2x^2+1)$  lgdogf  
A064806 7.12659 [  $-(9x^9-2x^8-2x^7-2x^6-2x^5-2x^4-2x^3-2x^2-2x-2)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A064808 11.9558 [  $(3x^2-x+1)/(x-1)^4$  ogf]  
A064808 23.5940  $-3*(1+x+2x^2)/(x-1)/(3x^2-x+1)$  lgdogf  
A064808 4.18758 [  $\{(n+4)a(n+4)+(-9-2n)a(n+3)+(5+4n)a(n+2)+(-9-3n)a(n+1), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 22\}$ , ogf]  
A064815 3.22341 [  $\{(-4n^2+2n+2)a(n)+(-4n^2-10n-6)a(n+1)+(n^2+3n+2)a(n+2), a(0) = 1, a(1) = 1, a(2) = 3\}$ , egf]  
A064817 6.23974 [  $-x^2*(x^{23}-2x^{22}+2x^{21}-x^{20}-x^{16}+x^{15}+x^{13}-x^{11}-x^2+x-1)/(x-1)^2$  ogf]  
A064831 15.8483 [  $-x/(x-1)/(x+1)/(x^2-3x+1)$  ogf]  
A064831 15.9946  $-(3-9x^2+4x^3)/(x-1)/(x+1)/(x^2-3x+1)$  lgdogf  
A064835 11.5270  $-(5-24x-24x^2-16x^3+9x^4)/(x-1)/(x+1)/(3x^3-7x^2-x-1)$  lgdogf  
A064835 8.75128 [  $2x^2*(3x^3-7x^2-x-1)/(x+1)/(x-1)^5$  ogf]  
A064836 12.0040  $-(5-24x+9x^4-16x^3-24x^2)/(x-1)/(1+x)/(3x^3-7x^2-x-1)$  lgdogf  
A064836 7.82277 [  $x^2*(3x^3-7x^2-x-1)/(x+1)/(x-1)^5$  ogf]  
A064837 5.57320 [  $-2x*(x^5+2x^4-x^3-21x^2-4x-1)/(x+1)/(x-1)^6$  ogf]

A064837 7.69687  $-( -9-69*x+11*x^5+2*x^6+11*x^4-102*x^3-132*x^2)/(x-1)/(x+1)/(x^5+2*x^4-x^3-21*x^2-4*x-1)$  lgdogf  
A064838 5.53950  $[-x*(x^5+2*x^4-x^3-21*x^2-4*x-1)/(x+1)/(x-1)^6]$  ogf]  
A064838 7.64853  $-( -9-69*x+2*x^6-132*x^2-102*x^3+11*x^4+11*x^5)/(x-1)/(x+1)/(x^5+2*x^4-x^3-21*x^2-4*x-1)$  lgdogf  
A064842 10.2451  $[-2*x*(x^3-2*x^2-1)/(x+1)/(x-1)^4]$  ogf]  
A064842 15.4421  $-( -3-9*x-3*x^2-3*x^3+2*x^4)/(x-1)/(x+1)/(x^3-2*x^2-1)$  lgdogf  
A064843 13.8516  $-( -3-9*x-3*x^2-3*x^3+2*x^4)/(x-1)/(x+1)/(x^3-2*x^2-1)$  lgdogf  
A064843 9.20352  $[-x*(x^3-2*x^2-1)/(x+1)/(x-1)^4]$  ogf]  
A064867 5.41338  $[(48*x^9-x^8-33*x^7-22*x^6+4*x^5+4*x^4-45*x^3+5*x^2+37*x+26)/(x^2-x+1)/(x^2+x+1)/(x+1)/(x-1)^2]$  ogf]  
A064873 7.39860  $[-x^7*(x^2-x+1)*(x^22+x^21+x^14+x^13-x^11-x^10+x^8+x^7+x^6-x^4-x^3+x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x^16+1)]$  ogf]  
A064985 23.9379  $[x^23+x^5+x+2]$  ogf\_with\_Euler\_transform]  
A064986 25.2244  $[x^23+x^5+x+1]$  ogf\_with\_Euler\_transform]  
A064999 17.9590  $-( -3-3*x+x^3-3*x^2)/(x-1)/(x^3-3*x^2+x-1)$  lgdogf  
A064999 4.15067  $[{(9*n^2+57*n+78)*a(n+1)+(-14*n^2-64*n-54)*a(n+2)+(5*n^2+19*n+12)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 9}]$ , ogf]  
A064999 9.75678  $[-(x^3-3*x^2+x-1)/(x-1)^4]$  ogf]  
A065014 10.1314  $-(2+22*x+6*x^5+2*x^4+20*x^3+x^6+7*x^2)/(x-1)/(1+x)/(x^5+3*x^4-x^3+2*x^2+2*x+3)$  lgdogf  
A065014 9.05678  $[-(x^5+3*x^4-x^3+2*x^2+2*x+3)/(x+1)^3/(x-1)^3]$  ogf]  
A065026 4.42757  $[(x-1)*(804*x^15+720*x^14+552*x^13+402*x^12-42*x^10-18*x^9-8*x^8-10*x^7-25*x^6-14*x^5-15*x^4-10*x^3-5*x^2-3*x-1)/(2*x^6-4*x^4-2*x^2+1)]$  ogf]  
A065031 8.71158  $[-(20*x^21+20*x^20+11*x^11+12*x^10+x+2)/(x-1)/(x+1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)]$  ogf]  
A065033 10.5618  $[(x^3-x^2+1)/(x+1)/(x-1)^2]$  ogf]  
A065033 18.6131  $-(1+x+2*x^2)/(x-1)/(x+1)/(x^3-x^2+1)$  lgdogf  
A065033 5.20087  $[{-a(n+4)+a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2}]$ , ogf]  
A065034 10.6980  $-(8-26*x+3*x^4-16*x^3+32*x^2)/(x-1)/(x-2)/(3*x-2)/(x^2-3*x+1)$  lgdogf  
A065034 12.8800  $[-(2*x-1)*(2*x-3)/(x-1)/(x^2-3*x+1)]$  ogf]  
A065034 7.01497  $[{-a(n+3)+4*a(n+2)-4*a(n+1)+a(n), a(0) = 3, a(1) = 4, a(2) = 8}]$ , ogf]  
A065039 6.29525  $[x*(2*x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2]$  ogf]  
A065065 29.8042  $x/(1+3*x+4*x^2+x^3)$  revogf  
A065087 4.40239  $[{(n^2+7*n+12)*a(n+1)+(n^2+5*n+4)*a(n+2)+(-1-n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 3}]$ , ogf]  
A065088 27.4627  $-(2+3*x+x^3)/(x-1)/(1+x^2)$  lgdegf  
A065088 3.71243  $[{(-n^3-7*n^2-16*n-12)*a(n+1)+(-n^3-5*n^2-6*n)*a(n+2)+(n^2+n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6}]$ , ogf]  
A065096 15.8180  $-2*((1-6*x+x^2)^(1/2)-1)/(1-6*x+x^2)^(1/2)/x$  lgdogf  
A065096 4.00868  $[{(n^2+5*n+6)*a(n+1)+(-6*n^2-39*n-63)*a(n+2)+(n^2+8*n+12)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 6}]$ , ogf]  
A065097 28.1654  $x*(1+x)/(2*x+1)^4$  revogf  
A065097 5.59046  $[{(32*n^2+160*n+198)*a(n+1)+(-2*n^2-13*n-21)*a(n+2), a(0) = 1, a(1) = 7}]$ , ogf]  
A065100 13.3169  $-1/2*(-3-9*x+(7*x+3)^(1/2)*(11*x+3)^(1/2))/x$  revogf  
A065100 18.1128  $[3/(x^2-9*x+1)]$  ogf]  
A065100 27.9021  $-( -9+2*x)/(x^2+1-9*x)$  lgdogf  
A065100 7.20146  $[{-a(n+2)+9*a(n+1)-a(n), a(0) = 3, a(1) = 27}]$ , ogf]  
A065101 12.7858  $-( -1-6*x+(7*x+1)^(1/2)*(5*x+1)^(1/2))/x$  revogf  
A065101 14.9994  $[2/(x^2-12*x+1)]$  ogf]  
A065101 22.6657  $-2*(-6+x)/(x^2+1-12*x)$  lgdogf  
A065101 6.07117  $[{-a(n+2)+12*a(n+1)-a(n), a(0) = 2, a(1) = 24}]$ , ogf]  
A065102 10.9698  $-1/2*(-3-18*x+(16*x+3)^(1/2)*(20*x+3)^(1/2))/x$  revogf  
A065102 15.1677  $[3/(x^2-18*x+1)]$  ogf]  
A065102 22.9369  $-2*(-9+x)/(x^2+1-18*x)$  lgdogf



A065102 6.13931 [ $\{-a(n+2)+18a(n+1)-a(n), a(0) = 3, a(1) = 54\}$ , ogf]  
A065113 12.1741  $-2*(-10+21x-8x^2+x^3)/(x-1)/(x-3)/(x^2-6x+1)$  lgdogf  
A065113 13.4723 [ $2*(x-3)/(x-1)/(x^2-6x+1)$  ogf]  
A065113 6.20896 [ $\{-a(n+3)+7a(n+2)-7a(n+1)+a(n), a(0) = 6, a(1) = 40, a(2) = 238\}$ , ogf]  
A065140 4.55409 [ $\{(8n^2+28n+24)*a(n+1)-a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A065141 5.81670 [ $\{(8n^2+36n+36)*a(n+1)-a(n+2), a(0) = 1, a(1) = 8\}$ , ogf]  
A065164 13.0160 [ $(3x^3-5x^2+2x+2)/(x+1)/(x-1)^2$  ogf]  
A065164 17.6199  $2*(-2+x+x^3-4x^2)/(x-1)/(x+1)/(3x^3-5x^2+2x+2)$  lgdogf  
A065164 6.80380 [ $\{-a(n+4)+a(n+3)+a(n+2)-a(n+1), a(0) = 2, a(1) = 4, a(2) = 1, a(3) = 6\}$ , ogf]  
A065165 10.5659 [ $(3x^5-3x^4+4x^3-8x^2+2x+4)/(x+1)/(x-1)^2$  ogf]  
A065165 10.7438  $2*(-3+x-3x^5+3x^6+8x^3-6x^4-4x^2)/(x-1)/(x+1)/(3x^5-3x^4+4x^3-8x^2+2x+4)$  lgdogf  
A065166 8.31126  $2*(-4-6x^7+6x^8+5x^5-5x^6+11x^3-8x^4-3x^2)/(x-1)/(x+1)/(3x^7-3x^6+4x^5-4x^4+4x^3-10x^2+2x+6)$  lgdogf  
A065166 8.80491 [ $(3x^7-3x^6+4x^5-4x^4+4x^3-10x^2+2x+6)/(x+1)/(x-1)^2$  ogf]  
A065168 11.6636 [ $(x^4-x^3+x^2-2x+3)/(x+1)/(x-1)^2$  ogf]  
A065168 14.6832  $(-1-9x+x^5-4x^3-x^4+6x^2)/(x-1)/(x+1)/(x^4-x^3+x^2-2x+3)$  lgdogf  
A065168 6.23681 [ $\{a(n+5)-a(n+4)-a(n+3)+a(n+2), a(0) = 3, a(1) = 1, a(2) = 5, a(3) = 2, a(4) = 7\}$ , ogf]  
A065169 10.1264  $(-3-11x+3x^7-x^5-3x^6-11x^3+x^4+17x^2)/(x-1)/(x+1)/(x^6-x^5+4x^4-4x^3-x^2-2x+5)$  lgdogf  
A065169 9.65700 [ $(x^6-x^5+4x^4-4x^3-x^2-2x+5)/(x+1)/(x-1)^2$  ogf]  
A065170 7.46605  $(-5-13x+5x^7-5x^8+5x^9-16x^5-5x^6-9x^3+16x^4+19x^2)/(x-1)/(x+1)/(x^8-x^7+4x^6-4x^5+4x^4-4x^3-3x^2-2x+7)$  lgdogf  
A065170 8.23946 [ $(x^8-x^7+4x^6-4x^5+4x^4-4x^3-3x^2-2x+7)/(x+1)/(x-1)^2$  ogf]  
A065171 10.0382 [ $(2x^6+4x^5+x^4+8x^3+2x^2+4x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A065171 7.96783  $-4*(1+x+12x^4+3x^3+6x^2+6x^5+10x^6+x^7+3x^8+x^9)/(x-1)/(x+1)/(x^2+1)/(2x^6+4x^5+x^4+8x^3+2x^2+4x+1)$  lgdogf  
A065172 10.0382 [ $(3x^6+x^5+7x^4+2x^3+5x^2+3x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A065172 7.42763  $-(3+10x+26x^4+36x^3+6x^2+48x^5+10x^6+28x^7+3x^8+6x^9)/(x-1)/(x+1)/(x^2+1)/(3x^6+x^5+7x^4+2x^3+5x^2+3x+1)$  lgdogf  
A065173 10.6485 [ $x*(2x^5+x^4+x^3+2x^2+2x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A065173 8.83297  $-(2+4x+4x^7+6x^8+12x^5+5x^6+12x^3+24x^4+3x^2)/(x-1)/(x+1)/(2x^5+x^4+x^3+2x^2+2x+1)/(1+x^2)$  lgdogf  
A065186 10.5659 [ $(x^5+2x^4-3x^3+2x^2+2x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A065186 7.93688  $-(3+7x-6x^7+5x^8+x^9+12x^5+8x^6+10x^3+14x^4-4x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+2x^4-3x^3+2x^2+2x+1)$  lgdogf  
A065187 10.5659 [ $(2x^5-2x^4+3x^3-2x^2+3x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A065187 7.93688  $-(4+9x^7-2x^8+2x^9+16x^5-5x^6-3x^3+18x^4+11x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(2x^5-2x^4+3x^3-2x^2+3x+1)$  lgdogf  
A065190 13.0160 [ $(x^3-2x^2+2x+1)/(x+1)/(x-1)^2$  ogf]  
A065190 19.1520  $(-3-x+x^3-5x^2)/(x-1)/(x+1)/(x^3-2x^2+2x+1)$  lgdogf  
A065190 6.80380 [ $\{-a(n+4)+a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 3, a(2) = 2, a(3) = 5\}$ , ogf]  
A065220 13.0279 [ $-x^2*(2x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A065220 21.5821  $-(3x-1)*(2x^2-1)/(x-1)/(2x-1)/(x^2+x-1)$  lgdogf  
A065220 6.42091 [ $\{a(n+4)-3a(n+3)+2a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 0, a(2) = -1, a(3) = -1\}$ , ogf]  
A065259 10.0382 [ $(x^6+3x^5+5x^4+2x^3+7x^2+x+3)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A065259 7.55570  $-(1+14x+22x^4+44x^3+6x^2+48x^5+10x^6+20x^7+9x^8+2x^9)/(x-1)/(x+1)/(x^2+1)/(x^6+3x^5+5x^4+2x^3+7x^2+x+3)$  lgdogf  
A065260 10.0382 [ $(x^6+4x^5+2x^4+8x^3+x^2+4x+2)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]

A065260 7.82554  $-2*(2+x+24*x^4+12*x^3+12*x^2+6*x^5+20*x^6+4*x^7+6*x^8+x^9)/(x-1)/(x+1)/(x^2+1)/(x^6+4*x^5+2*x^4+8*x^3+x^2+4*x+2)$  lgdogf  
A065261 11.2278  $[(x^5+3*x^4+2*x^3+x^2+x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2]$  ogf]  
A065261 8.92130  $-(1+2*x+12*x^7+3*x^8+6*x^5+10*x^6+20*x^3+12*x^4+6*x^2)/(x-1)/(x+1)/(x^2+1)/(x^5+3*x^4+2*x^3+x^2+x+1)$  lgdogf  
A065262 15.7269  $[(3*x^2+x+1)/(x-1)^2/(x+1)^2]$  ogf]  
A065262 19.5431  $-(1+10*x+6*x^3+3*x^2)/(x-1)/(x+1)/(3*x^2+x+1)$  lgdogf  
A065320 5.40615  $[-3*(2536*x^8-330*x^7-330*x^6-330*x^5-330*x^4-330*x^3-330*x^2-330*x-3559)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2]$  ogf]  
A065340 10.0143  $-2*(-7+21*x+108*x^4-141*x^3+31*x^2)/(x-1)/(-1+3*x)/(2*x-1)/(9*x^2-4*x-1)$  lgdogf  
A065340 7.97723  $[-2*(9*x^2-4*x-1)/(3*x-1)/(2*x-1)^2/(x-1)^3]$  ogf]  
A065423 15.9823  $[x^2*(x+2)/(x-1)^2/(x+1)^2]$  ogf]  
A065423 6.03305  $[\{(3*n^2+17*n+22)*a(n+1)+4*a(n+2)+(-3*n^2-11*n-8)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\}, ogf]$   
A065424 3.03321  $[\{(576*n^3+4320*n^2+10736*n+8840)*a(n+1)+(-9*n^3-81*n^2-236*n-220)*a(n+2), a(0) = 1, a(1) = 33\}, ogf]$   
A065438 5.56381  $[(x^11+x^10+11*x^9+11*x^8+11*x^7+11*x^6+11*x^5+11*x^4+11*x^3+11*x^2+11*x+10)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf]  
A065450 9.13429  $[-(2*x^6-2*x^5-4*x^4+4*x^3+6*x^2+1)/(x+1)/(x-1)^3]$  ogf]  
A065450 9.38197  $2*(x^3-x^2-2*x-1)*(2*x^4-x^3-x^2+6*x+1)/(x-1)/(x+1)/(2*x^6-2*x^5-4*x^4+4*x^3+6*x^2+1)$  lgdogf  
A065455 12.9300  $[-(x+1)^2/(x^3+3*x^2-1)]$  ogf]  
A065455 19.0238  $-(2+6*x+x^3+3*x^2)/(1+x)/(x^3+3*x^2-1)$  lgdogf  
A065455 7.84052  $[\{a(n+3)-3*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 4\}, ogf]$   
A065475 18.2218  $[-(x^2-x-1)/(x-1)^2]$  ogf]  
A065475 43.1104  $-(x-3)/(x-1)/(x^2-x-1)$  lgdogf  
A065475 9.46817  $[\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 3, a(2) = 4\}, ogf]$   
A065494 11.0812  $[(x+1)^2/(x^4-2*x^3-3*x^2+1)]$  ogf]  
A065494 13.8489  $-2*(-1-3*x-3*x^2+x^3+x^4)/(x+1)/(x^4-2*x^3-3*x^2+1)$  lgdogf  
A065495 13.4660  $[1/(2*x-1)/(2*x^3+2*x^2-1)]$  ogf]  
A065495 13.7495  $-2*(-1-2*x+3*x^2+8*x^3)/(2*x-1)/(2*x^3+2*x^2-1)$  lgdogf  
A065497 11.6954  $-2*(1+3*x+5*x^4-10*x^3-6*x^2)/(2*x-1)/(x^4-2*x^3-3*x^2+1)$  lgdogf  
A065497 11.9340  $[-1/(2*x-1)/(x^4-2*x^3-3*x^2+1)]$  ogf]  
A065502 10.0036  $[(2*x^4+x^2+2)/(x^2+x+1)/(x^2-x+1)/(x-1)^2]$  ogf]  
A065502 11.4926  $-2*(2-x+5*x^4+2*x^6+x^5+2*x^8+4*x^2)/(x-1)/(x^2+x+1)/(x^2-x+1)/(2*x^4+x^2+2)$  lgdogf  
A065506 13.6742  $[1/(2*x-1)/(x^3+3*x^2-1)]$  ogf]  
A065506 14.5874  $-(-2-6*x+15*x^2+8*x^3)/(-1+2*x)/(x^3+3*x^2-1)$  lgdogf  
A065530 12.1225  $[x*(x^4-8*x-1)/(x+1)^3/(x-1)^3]$  ogf]  
A065530 15.8513  $-2*(-4-3*x+x^5-20*x^2+2*x^3)/(x-1)/(x+1)/(x^4-8*x-1)$  lgdogf  
A065532 11.5779  $[-(47*x^2+50*x-1)/(x-1)^3]$  ogf]  
A065532 17.9643  $-(47+194*x+47*x^2)/(x-1)/(47*x^2+50*x-1)$  lgdogf  
A065532 6.34266  $[\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = -1, a(1) = 47, a(2) = 191\}, ogf]$   
A065563 11.6702  $[2/(x^2+4*x-1)/(x^2-x-1)]$  ogf]  
A065563 12.7154  $-(-3-12*x+4*x^3+9*x^2)/(x^2+4*x-1)/(x^2-x-1)$  lgdogf  
A065599 11.9459  $-2*(1+9*x+x^5+2*x^2+14*x^3-3*x^4)/(x-1)/(x+1)/(x^4-2*x^3+6*x^2+2*x+1)$  lgdogf  
A065599 9.84060  $[-x*(x^4-2*x^3+6*x^2+2*x+1)/(x+1)^3/(x-1)^3]$  ogf]  
A065678 7.63302  $[x*(x-1)*(x^8+x^6+x^5+x^4+x^3+3*x^2+2*x+1)/(x^9+x^6+3*x^3-1)]$  ogf]  
A065679 10.8630  $[x*(x^2+1)*(x^2-4*x-1)/(x+1)^3/(x-1)^3]$  ogf]  
A065679 12.4889  $-2*(-2-3*x+x^5-16*x^2+2*x^3-6*x^4)/(x-1)/(x+1)/(x^2+1)/(x^2-4*x-1)$  lgdogf  
A065685 19.4080  $[-x^17*(x+1)/(x-1)]$  ogf]  
A065685 36.0251  $a(n+2)-a(n), a(0)=2, a(1)=0$  lgdogf  
A065685 43.3476  $[[2-x]$  ogf\_with\_Euler\_transform]  
A065686 15.2708  $[-x^3*(x^18+x^17+x^16+1)/(x-1)]$  ogf]

A065687 18.9129 [  $-x^{22}(x+1)/(x-1)$  ogf]  
A065687 36.0251  $a(n+2)-a(n), a(0)=2, a(1)=0$  lgdogf  
A065692 10.0973 [  $3^*(x-1)*x/(4*x-1)/(13*x^2-5*x+1)$  ogf]  
A065692 10.4703 [  $(-8+66*x-189*x^2+104*x^3)/(x-1)/(-1+4*x)/(13*x^2-5*x+1)$  lgdogf  
A065692 5.22582 [  $\{a(n+3)-9*a(n+2)+33*a(n+1)-52*a(n), a(0) = 0, a(1) = 3, a(2) = 24\}$ , ogf]  
A065693 5.22582 [  $\{-a(n+3)+9*a(n+2)-33*a(n+1)+52*a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
A065693 8.10002 [  $(-1-16*x+195*x^2-832*x^3+1300*x^4)/(4*x-1)/(25*x^2-8*x+1)/(13*x^2-5*x+1)$  lgdogf  
A065693 9.30848 [  $-(25*x^2-8*x+1)/(4*x-1)/(13*x^2-5*x+1)$  ogf]  
A065694 5.63758 [  $\{a(n+3)-9*a(n+2)+33*a(n+1)-52*a(n), a(0) = 2, a(1) = 8, a(2) = 23\}$ , ogf]  
A065694 8.58932 [  $(-8-98*x+884*x^4-1040*x^3+489*x^2)/(-1+4*x)/(17*x^2-10*x+2)/(13*x^2-5*x+1)$  lgdogf  
A065694 9.97418 [  $-(17*x^2-10*x+2)/(4*x-1)/(13*x^2-5*x+1)$  ogf]  
A065705 13.5955 [  $-(123*x-2)/(x^2-123*x+1)$  ogf]  
A065705 15.6035 [  $(-123-4*x+123*x^2)/(123*x-2)/(x^2-123*x+1)$  lgdogf  
A065705 7.74628 [  $\{a(n+2)-123*a(n+1)+a(n), a(0) = 2, a(1) = 123\}$ , ogf]  
A065707 2.94365 [  $\{(-3-n)*a(n+1)+(4*n^2+17*n+13)*a(n+2)+(4*n^2+31*n+55)*a(n+3)+(n+3)*a(n+4), a(0) = 0, a(1) = 1, a(2) = -9, a(3) = 126\}$ , ogf]  
A065759 8.41380 [  $-(3442*x^4+2361*x^3+1642*x^2+1461*x+655)/(10*x^5-1)$  ogf]  
A065866 17.9553  $4/(1-4*x)^{(1/2)}/(1+(1-4*x)^{(1/2)})$  lgdegf  
A065866 5.29901 [  $\{(4*n^2+18*n+20)*a(n+1)+(-n-4)*a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A065874 17.4842  $1/84/x*(-1-x+(1+2*x+169*x^2)^{(1/2)})$  revogf  
A065874 18.3567 [  $-1/(6*x+1)/(7*x-1)$  ogf]  
A065874 24.4779 [  $(-1+84*x)/(6*x+1)/(7*x-1)$  lgdogf  
A065874 7.51960 [  $\{-a(n+2)+a(n+1)+42*a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A065885 7.02216 [  $(x^9+14*x^8-29*x^7-37*x^6+x^5-6*x^4-7*x^3-6*x^2-x+2)/(x^2-3*x+1)/(x+1)$  ogf]  
A065919 14.6812  $15+8*x+(-8+64*x)*f(x)+(64*x^2+1-16*x)*f(x)^2$  lgdegf  
A065919 2.97423 [  $\{(n+2)*a(n+1)+(8*n^2+37*n+44)*a(n+2)+(8*n^2+59*n+110)*a(n+3)+(-n-4)*a(n+4), a(0) = 1, a(1) = 5, a(2) = 61, a(3) = 1225\}$ , ogf]  
A065919 29.3624  $-\ln(1+x)*(2*\ln(1+x)-1)$  revegf  
A065921 2.85920 [  $\{(-3-n)*a(n+1)+(-6*n^2-28*n-37)*a(n+2)+(-6*n^2-44*n-85)*a(n+3)+(n+3)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 21, a(3) = 501\}$ , ogf]  
A065922 3.05314 [  $\{(-3-n)*a(n+1)+(-8*n^2-37*n-47)*a(n+2)+(-8*n^2-59*n-113)*a(n+3)+(n+3)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 27, a(3) = 846\}$ , ogf]  
A065923 14.5033  $8-6*x+(6+36*x)*f(x)+(1+12*x+36*x^2)*f(x)^2$  lgdegf  
A065923 24.3656  $1/2*\ln(1+x)*(3*\ln(1+x)+2)$  revegf  
A065928 14.0801 [  $(3*x-2)/(x-1)/(x^2-6*x+1)$  ogf]  
A065928 6.54603 [  $\{a(n+3)-7*a(n+2)+7*a(n+1)-a(n), a(0) = 2, a(1) = 11, a(2) = 63\}$ , ogf]  
A065928 9.65776 [  $(-11+28*x+6*x^3-27*x^2)/(x-1)/(3*x-2)/(x^2-6*x+1)$  lgdogf  
A065929 11.9384 [  $(4*x-3)/(x-1)/(x^2-12*x+1)$  ogf]  
A065929 5.61205 [  $\{a(n+3)-13*a(n+2)+13*a(n+1)-a(n), a(0) = 3, a(1) = 35, a(2) = 416\}$ , ogf]  
A065929 9.88846 [  $(-35+78*x+8*x^3-61*x^2)/(x-1)/(4*x-3)/(x^2-12*x+1)$  lgdogf  
A065930 4.51133 [  $\{a(n+3)-21*a(n+2)+21*a(n+1)-a(n), a(0) = 4, a(1) = 79, a(2) = 1575\}$ , ogf]  
A065930 9.65272 [  $(-79+168*x-117*x^2+10*x^3)/(x-1)/(5*x-4)/(x^2-20*x+1)$  lgdogf  
A065930 9.67885 [  $(5*x-4)/(x-1)/(x^2-20*x+1)$  ogf]  
A065944 2.98462 [  $\{(-n^2-7*n-12)*a(n+1)+(2*n^3+15*n^2+33*n+20)*a(n+2)+(n^2+3*n+2)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 6\}$ , ogf]  
A065945 3.20276 [  $\{(-n^2-7*n-12)*a(n+1)+(-4*n^3-30*n^2-78*n-70)*a(n+2)+(n^2+3*n+2)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 6\}$ , ogf]  
A065946 3.14117 [  $\{(n^2+7*n+12)*a(n+1)+(-4*n^3-30*n^2-70*n-50)*a(n+2)+(-n^2-3*n-2)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 6\}$ , ogf]  
A065947 3.42727 [  $\{(-n^2-7*n-12)*a(n+1)+(-6*n^3-45*n^2-115*n-100)*a(n+2)+(n^2+3*n+2)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 6\}$ , ogf]

A065948 3.41517 [  $\{(n^2+7n+12)*a(n+1)+(-6n^3-45n^2-107n-80)*a(n+2)+(-n^2-3n-2)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 6\}$ , ogf]  
A065949 10.0205 [  $-90*x^3/(x-1)^7$  ogf]  
A065949 102.273  $-7/(x-1)$  lgdogf  
A065949 6.52127 [  $\{(-1+n)*a(n+2)+(-5-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 90\}$ , ogf]  
A065950 3.16134 [  $\{(n^2+8n+15)*a(n+1)+(2n^3+15n^2+43n+45)*a(n+2)+(-n^2-2n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 90\}$ , ogf]  
A065951 3.04091 [  $\{(-n^2-8n-15)*a(n+1)+(2n^3+15n^2+31n+15)*a(n+2)+(n^2+2n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 90\}$ , ogf]  
A065961 5.29967 [  $\{(-27n^3-216n^2-573n-504)*a(n+1)+a(n+2), a(0) = 1, a(1) = 120\}$ , ogf]  
A066021 4.74284 [  $-(335*x^{11}-1340*x^{10}+2107*x^9-1728*x^8+917*x^7-388*x^6+98*x^5-6*x^4+14*x^3-17*x^2+5*x-3)/(x-1)^4$  ogf]  
A066023 15.9328  $-2*(4+7*x+x^2)/(x-1)/(2*x^4-8*x^3+13*x^2-4*x+3)$  lgdogf  
A066023 8.87905 [  $(2*x^4-8*x^3+13*x^2-4*x+3)/(x-1)^4$  ogf]  
A066043 13.6323 [  $-(x^4-4*x^2-2*x-1)/(x-1)^2/(x+1)^2$  ogf]  
A066043 17.0435  $2*(1+6*x+2*x^3+3*x^2)/(x-1)/(x+1)/(x^4-4*x^2-2*x-1)$  lgdogf  
A066043 8.20460 [  $\{(n+3)*a(n)+(-n-1)*a(n+2), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A066052 3.57136 [  $\{(-n^3-10n^2-33n-36)*a(n+1)+(-n-4)*a(n+2)+(n^2+8n+14)*a(n+3)+(-n-2)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 14\}$ , ogf]  
A066067 6.22755 [  $-(x^7+x^4-3*x^3+2*x^2+x-1)/(x^2+x-1)/(x^4+x^2-1)/(x-1)^2$  ogf]  
A066070 13.6972 [  $-(2*x^3-x^2-6*x-1)/(x-1)^2/(x+1)^2$  ogf]  
A066070 15.8807  $-2*(-3-3*x+x^4-x^3-6*x^2)/(x-1)/(x+1)/(2*x^3-x^2-6*x-1)$  lgdogf  
A066104 16.6392 [  $2*x*(x+2)/(x-1)^2/(x+1)^2$  ogf]  
A066104 27.1631 [  $(1+8*x+3*x^2)/(x-1)/(x+2)/(x+1)$  lgdogf]  
A066104 4.49938 [  $\{(-6-2n)*a(n+4)+(-1-n)*a(n+3)+(10+2n)*a(n+2)+(n+3)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 2, a(3) = 8\}$ , ogf]  
A066106 11.9594 [  $4*x*(x^2-2*x-1)/(x+1)^3/(x-1)^3$  ogf]  
A066106 17.3004  $-2*(-1-2*x-5*x^2+2*x^3)/(x-1)/(x+1)/(x^2-2*x-1)$  lgdogf  
A066107 10.2143  $-2*(3+15*x+x^6-x^5+3*x^2+10*x^3-7*x^4)/(x-1)/(x+1)/(2*x^5-x^4-8*x^3+6*x^2+6*x+3)$  lgdogf  
A066107 4.53127 [  $\{(n^3+8n^2+15n)*a(n)+(-8-4n)*a(n+1)+(-n^3-4n^2+n+4)*a(n+2), a(0) = 0, a(1) = 3, a(2) = 6, a(3) = 15\}$ , ogf]  
A066107 8.91637 [  $-x*(2*x^5-x^4-8*x^3+6*x^2+6*x+3)/(x+1)^3/(x-1)^3$  ogf]  
A066114 13.1101 [  $1/2*(x^2+2)/(x-1)^2$  egf]  
A066114 28.6462  $-2*(x+2)/(x-1)/(x^2+2)$  lgdegf  
A066114 3.24441 [  $\{(-n^2-n)*a(n)+(2n^2+9n+5)*a(n+1)+(-3n^2-23n-40)*a(n+2)+(3n+9)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
A066118 13.3270 [  $-(2*x+1)/(x-1)^3$  egf]  
A066118 21.6922  $-(-1-2*x+(1+6*x)^{(1/2)})/(-1+2*x)$  revogf  
A066118 31.5523  $-(4*x+5)/(2*x+1)/(x-1)$  lgdegf  
A066118 4.13058 [  $\{(-2n^2-10n-12)*a(n+1)+(-3n^2-22n-47)*a(n+2)+(3n+9)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 24\}$ , ogf]  
A066138 10.3035 [  $-3*(370*x^2-74*x+1)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A066138 6.05129 [  $\{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 3, a(1) = 111, a(2) = 10101\}$ , ogf]  
A066164 22.8896 [  $180/(x-1)^2$  ogf]  
A066164 30.2343  $5*x/(15+(225+5*x)^{(1/2)})^2$  revogf  
A066164 9.31553 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 180, a(1) = 360\}$ , ogf]  
A066178 8.93847  $- (1+2*x+4*x^3+3*x^2+5*x^4+6*x^5+7*x^6)/(x^2-1+x+x^4+x^3+x^6+x^5+x^7)$  lgdogf  
A066178 9.00800 [  $-1/(x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A066223 14.2597  $-10+10*x+(1-16*x+20*x^2)*f(x)+(2-8*x+8*x^2)*f(x)^2$  lgdegf  
A066223 4.96553 [  $\{(-4n^2-14n-12)*a(n+1)+(4n+10)*a(n+2)-a(n+3), a(0) = 1, a(1) = 2, a(2) = 10\}$ , ogf]  
A066224 24.0148  $-2*(-2+3*x)/(2*x-1)^2$  lgdegf  
A066224 3.53181 [  $\{(-4n^2-18n-20)*a(n+1)+(4n+12)*a(n+2)-a(n+3), a(0) = 1, a(1) = 4, a(2) = 26\}$ , ogf]  
A066258 10.7827  $-(2+12*x-15*x^2+2*x^3+3*x^4)/(x-1)/(x^2+4*x-1)/(x^2-x-1)$  lgdogf

A066258 9.43637 [  $-(x-1)*x/(x^2+4*x-1)/(x^2-x-1)$  ogf]  
A066259 10.1261 [  $(x+1)/(x^2+4*x-1)/(x^2-x-1)$  ogf]  
A066259 12.1030  $-(3*x+1)*(x-1)*(x+2)^2/(x+1)/(x^2+4*x-1)/(x^2-x-1)$  lgdogf  
A066280 5.48609 [  $\{-a(n+3)+6*a(n+2)-11*a(n+1)+6*a(n), a(0) = 5, a(1) = 12, a(2) = 32\}$ , ogf]  
A066280 8.58368  $-2*(6-40*x+99*x^2-108*x^3+45*x^4)/(x-1)/(3*x-1)/(-1+2*x)/(15*x^2-18*x+5)$  lgdogf  
A066280 9.85781 [  $-(15*x^2-18*x+5)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A066310 5.53606 [  $-(3*x^29-2*x^28+3*x^22-3*x^21+4*x^16-3*x^14-3*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-2)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf]  
A066318 27.9202 [  $-2/(2*x-1)$  egf]  
A066318 52.3157  $-2/(2*x-1)$  lgdegf  
A066318 7.93188 [  $\{(-2*n-4)*a(n+1)+a(n+2), a(0) = 2, a(1) = 4\}$ , ogf]  
A066323 5.48481 [  $-x*(4*x^15-x^14-x^13-x^12+4*x^11-x^10-x^9-x^8+4*x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^2+1)/(x^8+1)/(x^4+1)/(x-1)^2$  ogf]  
A066342 7.61269 [  $-(3*x^5-2*x^4-2*x^3+3*x^2-1)/(x-1)^2/(2*x^2-1)^2$  ogf]  
A066342 8.22591  $-(2+2*x-3*x^5+9*x^4+6*x^7-6*x^3-2*x^6-6*x^2)/(x-1)/(2*x^2-1)/(3*x^5-2*x^4-2*x^3+3*x^2-1)$  lgdogf  
A066344 9.50202 [  $(2*x^6+x^5+2*x^4+x^3+2*x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A066345 5.68484 [  $-(4*x^5-4*x^4-4*x^3+3*x^2+x-1)/(x-1)/(2*x-1)/(x+1)/(2*x^2-1)^2$  ogf]  
A066357 3.25210 [  $\{(512*n^3+2304*n^2+3424*n+1680)*a(n+1)+(-64*n^3-448*n^2-1038*n-810)*a(n+2)+(2*n^3+19*n^2+59*n+60)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 6\}$ , ogf]  
A066368 10.4883  $-(1-x+3*x^2-17*x^3+18*x^4)/(x-1)/(2*x-1)/(9*x^3-11*x^2+5*x-1)$  lgdogf  
A066368 8.16570 [  $-(9*x^3-11*x^2+5*x-1)/(2*x-1)^2/(x-1)^2$  ogf]  
A066373 14.2914 [  $-(x-2)/(2*x-1)^2$  ogf]  
A066373 20.3157  $-(-1-2*x+(1+3*x)^(1/2))/(1+4*x)$  revogf  
A066373 27.3820  $-(-7+2*x)/(2*x-1)/(x-2)$  lgdogf  
A066373 7.84287 [  $\{-a(n+2)+4*a(n+1)-4*a(n), a(0) = 2, a(1) = 7\}$ , ogf]  
A066374 8.14070 [  $-(3*x^3-3*x^2+4*x-2)/(2*x-1)^2/(x-1)^2$  ogf]  
A066374 9.99660  $-(8-22*x+15*x^2-3*x^3+6*x^4)/(-1+x)/(2*x-1)/(3*x^3-3*x^2+4*x-2)$  lgdogf  
A066375 13.3681  $-2*(2+2*x+6*x^2+4*x^3+x^4)/(x-1)/(2*x^4+4*x^2-x+1)$  lgdogf  
A066375 7.84629 [  $-(2*x^4+4*x^2-x+1)/(x-1)^5$  ogf]  
A066377 11.4251  $-(-3-6*x-9*x^2-7*x^3-4*x^4+5*x^5)/(x-1)/(x^2+x+1)/(x^3-x^2-x-1)$  lgdogf  
A066377 6.74403 [  $-(x^3-x^2-x-1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A066393 7.86972  $-3*(x+1)*(x^6+3*x^5+3*x^4+10*x^3+3*x^2+3*x+1)/(x-1)/(x^6+3*x^5+6*x^4+4*x^3+6*x^2+3*x+1)/(x^2+x+1)$  lgdogf  
A066393 8.75960 [  $(x^6+3*x^5+6*x^4+4*x^3+6*x^2+3*x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A066394 7.69518  $2*(1+10*x+x^6+11*x^2+52*x^3+11*x^4+10*x^5)/(x-1)/(x+1)/(3*x^6-2*x^5-19*x^4-4*x^3-7*x^2-2*x-1)$  lgdogf  
A066394 8.41904 [  $(3*x^6-2*x^5-19*x^4-4*x^3-7*x^2-2*x-1)/(x+1)^3/(x-1)^3$  ogf]  
A066399 11.6131  $(n+2)*a(n+3)+(-1+n)*a(n+2)-a(n+1), a(0)=0, a(1)=1, a(2)=2$  revogf  
A066403 16.8605  $-2*(-23+10*x+x^2)/(1+x)/(x^2-14*x+1)$  lgdogf  
A066403 3.44004 [  $\{(n+3)*a(n+4)+(-72-13*n)*a(n+3)+(7-13*n)*a(n+2)+(n+2)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 46, a(3) = 1347\}$ , ogf]  
A066403 6.09551 [  $x*(x+1)^4/(x^2-14*x+1)^3$  ogf]  
A066404 6.67781  $(739-7990*x+2*x^5-305*x^4-12020*x^3-5890*x^2)/(x^2-11*x-1)/(x^4+228*x^3+494*x^2-228*x+1)$  lgdogf  
A066405 3.60029 [  $\{(-n-4)*a(n+4)+(-7+13*n)*a(n+3)+(46+13*n)*a(n+2)+(1-n)*a(n+1), a(0) = 1, a(1) = -46, a(2) = 769, a(3) = -5632\}$ , ogf]  
A066405 6.70964 [  $(x^2-14*x+1)^3/(x+1)^4$  ogf]  
A066406 16.5193  $-1/6*(-6-2*x+(36+24*x+x^2)^(1/2))/x$  revogf  
A066406 18.4670 [  $24*x/(6*x-1)/(2*x-1)$  ogf]  
A066406 21.4139  $-8*(3*x-1)/(6*x-1)/(-1+2*x)$  lgdogf  
A066406 8.67725 [  $\{a(n+2)-8*a(n+1)+12*a(n), a(0) = 0, a(1) = 24\}$ , ogf]  
A066407 8.43308 [  $2880*x^2*(4*x+1)/(4*x-1)/(20*x-1)/(2*x-1)/(8*x-1)$  ogf]

A066407 8.67111  $-2*(-19+336*x+7680*x^4-2176*x^3-1104*x^2)/(4*x-1)/(20*x-1)/(2*x-1)/(8*x-1)/(4*x+1)$  lgdogf  
A066443 12.4178 [  $-(3*x-1)/(9*x-1)/(x-1)$  ogf]  
A066443 13.0103  $-1/6*(-1-10*x+(1+8*x+64*x^2)^{(1/2)})/(1+3*x)$  revogf  
A066443 14.3447  $-(7-18*x+27*x^2)/(x-1)/(-1+3*x)/(9*x-1)$  lgdogf  
A066443 6.88218 [  $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A066455 13.2882  $-(2+4*x+9*x^2+10*x^3+5*x^4)/(x-1)/(5*x^4-5*x^3+8*x^2-3*x+1)$  lgdogf  
A066455 8.40691 [  $-(5*x^4-5*x^3+8*x^2-3*x+1)/(x-1)^5$  ogf]  
A066456 6.24673 [  $-(2*x^7+x^6-4*x^5+2*x^4+4*x^3-2*x^2-x+1)/(x+1)^3/(x-1)^5$  ogf]  
A066456 6.52932  $-(1+2*x+4*x^3+x^2+4*x^4+6*x^5+4*x^6+6*x^7+2*x^8)/(x-1)/(x+1)/(2*x^7+x^6-4*x^5+2*x^4+4*x^3-2*x^2-x+1)$  lgdogf  
A066481 14.7704 [  $-(x^3-x-2)/(x^2+x+1)/(x-1)^2$  ogf]  
A066481 16.0697  $-(3-3*x+x^5-2*x^3+x^4-6*x^2)/(x-1)/(x^2+x+1)/(x^3-x-2)$  lgdogf  
A066481 5.49388 [  $\{(n+6)*a(n+1)+a(n+2)+a(n+3)+(-n-5)*a(n+4), a(0) = 2, a(1) = 3, a(2) = 3, a(3) = 4\}$ , ogf]  
A066524 11.3270 [  $-x*(2*x^2-1)/(2*x-1)^2/(x-1)^2$  ogf]  
A066524 15.5537  $-2*(3-6*x+4*x^3)/(x-1)/(-1+2*x)/(-1+2*x^2)$  lgdogf  
A066524 4.31200 [  $\{(-2*n^2-10*n-12)*a(n+1)+(3*n^2+12*n+9)*a(n+2)+(-n^2-3*n-2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A066530 13.3914  $-(2+2*x+x^5+2*x^6+7*x^3+5*x^4+5*x^2)/(x-1)/(x+1)/(x^2+1)/(x^3+x+1)$  lgdogf  
A066530 14.7704 [  $(x^3+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A066532 12.0180 [  $-(2*x^3+4*x^2-2*x-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A066532 8.80715  $-2*(1+x+2*x^2-8*x^3-7*x^4+16*x^5+4*x^6)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(2*x^3+4*x^2-2*x-1)$  lgdogf  
A066534 3.28104 [  $\{(2*n^2+10*n+12)*a(n+1)+(-n^2-7*n-12)*a(n+2)+(n+2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A066534 38.7305  $(-3+2*x)/(x-1)$  lgdegf  
A066566 4.65079 [  $-x*(277*x^30-280*x^29+250*x^20-240*x^19+10*x^10-12)/(3*x^30-10*x^20-10*x^10+12)/(x-1)^2$  ogf]  
A066568 10.0726  $-(1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+11*x^9)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
A066568 18.1349 [  $9*x^10/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A066586 13.0317 [  $(2*x^4-2*x^3-3*x^2-4*x-2)/(x-1)$  ogf]  
A066586 13.3977  $3*(2+2*x+2*x^4-4*x^3+x^2)/(-1+x)/(2*x^4-2*x^3-3*x^2-4*x-2)$  lgdogf  
A066587 3.80325 [  $(3*x^2+2*x+3)/(x+1)/(x-1)^2$  ogf]  
A066629 10.4909 [  $(x^2+x+1)/(x-1)/(x+1)/(x^2+x-1)$  ogf]  
A066629 11.2625  $-2*(-1-3*x+x^5+2*x^4+3*x^3+x^2)/(x-1)/(1+x)/(x^2+x+1)/(x^2+x-1)$  lgdogf  
A066668 24.2382  $2*x-1+(x^2+1-2*x)*f(x)$  lgdegf  
A066668 5.23318 [  $\{(-n^2-5*n-6)*a(n+1)+(2*n+5)*a(n+2)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
A066710 4.44093 [  $-3*(33*x^13+15*x^12+14841*x^11+4107*x^10+1161*x^9+558*x^8+296*x^7+148*x^6+41*x^5+22*x^4+11*x^3+4*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A066711 8.35211  $(-2-22*x-59*x^2-8*x^3-36*x^4+4*x^5+33*x^6)/(x-1)/(x+1)/(11*x^5+2*x^4+19*x^3+10*x^2+2*x+1)$  lgdogf  
A066711 9.60639 [  $-9*(11*x^5+2*x^4+19*x^3+10*x^2+2*x+1)/(x-1)/(x+1)$  ogf]  
A066714 13.7203  $-6*(1+2*x+x^4+2*x^3+10*x^2)/(x-1)/(1+x)/(x^2+1)/(x^2+6*x+1)$  lgdogf  
A066714 8.41904 [  $-(x^2+6*x+1)*(x^2+1)^2/(x+1)^3/(x-1)^3$  ogf]  
A066770 20.8418 [  $4/(25*x^2-6*x+1)$  ogf]  
A066770 8.43596 [  $\{-a(n+2)+6*a(n+1)-25*a(n), a(0) = 4, a(1) = 24\}$ , ogf]  
A066771 15.3375 [  $-(3*x-1)/(25*x^2-6*x+1)$  ogf]  
A066771 17.7506  $-(15*x-1)*(-3+5*x)/(3*x-1)/(25*x^2-6*x+1)$  lgdogf  
A066771 8.50033 [  $\{a(n+2)-6*a(n+1)+25*a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A066796 4.23740 [  $\{(-4*n-14)*a(n+1)+(5*n+18)*a(n+2)+(-n-4)*a(n+3), a(0) = 2, a(1) = 8, a(2) = 28\}$ , ogf]  
A066802 3.09347 [  $\{(576*n^3+2592*n^2+3824*n+1848)*a(n$

+1)+(-9\*n^3-45\*n^2-74\*n-40)\*a(n+2), a(0) = 1, a(1) = 20}, ogf]  
A066804 20.2071 -4\*(x+1)\*(3\*x+2)/(x-1)/(4\*x^2+3\*x+1) lgdogf  
A066804 3.69049 [ {(-n-4)\*a(n+4)+(2-2\*n)\*a(n+3)+(18-n)\*a(n+2)+(16+4\*n)\*a(n+1),  
a(0) = 1, a(1) = 8, a(2) = 34, a(3) = 100}, ogf]  
A066804 9.38973 [ -(4\*x^2+3\*x+1)/(x-1)^5 ogf]  
A066810 14.6993 [ -x^2/(3\*x-1)/(2\*x-1)^2 ogf]  
A066810 23.1687 -(-7+18\*x)/(3\*x-1)/(-1+2\*x) lgdogf  
A066810 5.64349 [ {a(n+3)-7\*a(n+2)+16\*a(n+1)-12\*a(n), a(0) = 0, a(1) = 0, a(2) =  
1}, ogf]  
A066822 4.09704 [ {(-3\*n^2-33\*n-90)\*a(n+1)+(-2\*n^2-26\*n-84)\*a(n+2)+(n^2+13\*n  
+30)\*a(n+3), a(0) = 1, a(1) = 5, a(2) = 20}, ogf]  
A066822 5.80104 -35+60\*x+144\*x^2+(7-38\*x+72\*x^3+27\*x^2)\*f(x)+(-5\*x^2+x  
+3\*x^3+9\*x^4)\*f(x)^2 lgdogf  
A066827 12.2242 [ -(16\*x^4+2\*x-3)/(x-1)/(2\*x+1)/(2\*x-1)/(4\*x^2+1) ogf]  
A066827 9.12548 -(1+128\*x^3-288\*x^4+128\*x^5+256\*x^8)/(x-1)/(2\*x+1)/(-1+2\*x)/  
(4\*x^2+1)/(16\*x^4+2\*x-3) lgdogf  
A066830 10.4679 [ x\*(x^4-6\*x^2-4\*x-3)/(x+1)^3/(x-1)^3 ogf]  
A066830 13.0202 -2\*(-2-15\*x+x^5-10\*x^2-10\*x^3)/(x-1)/(x+1)/(-3+x^4-4\*x-6\*x^2)  
lgdogf  
A066830 7.00891 [ {(n+5)\*a(n+1)+(-n-1)\*a(n+3), a(0) = 0, a(1) = 3, a(2) = 4},  
ogf]  
A066880 10.8269 -(3+12\*x-12\*x^4-16\*x^3+3\*x^2+4\*x^6)/(x-1)/(x+1)/(2\*x^2-1)/  
(2\*x^3-3\*x-2) lgdogf  
A066880 13.7467 [ -(2\*x^3-3\*x-2)/(2\*x^2-1)/(x-1)/(x+1) ogf]  
A066912 3.28808 [ -x\*(72\*x^5-52\*x^4-44\*x^3+43\*x^2-6\*x-1)/(4\*x-1)/(3\*x-1)^2/  
(2\*x-1)^3/(x-1)^4 ogf]  
A066982 11.7036 [ -(2\*x^2-2\*x+1)/(x^2+x-1)/(x-1)^2 ogf]  
A066982 14.4181 -(-1-x+4\*x^4-4\*x^3+4\*x^2)/(x-1)/(2\*x^2-2\*x+1)/(x^2+x-1) lgdogf  
A066982 4.48636 [ {(-n-3)\*a(n+1)-a(n+2)+(2\*n+5)\*a(n+3)+(-n-2)\*a(n+4), a(0) = 1,  
a(1) = 1, a(2) = 3, a(3) = 6}, ogf]  
A066983 12.6996 [ (x^2-x-1)/(x+1)/(x^2+x-1) ogf]  
A066983 13.9084 -(-1-2\*x+x^4-2\*x^3-5\*x^2)/(x+1)/(x^2+x-1)/(x^2-x-1) lgdogf  
A066983 7.70085 [ {a(n+3)-2\*a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 1}, ogf]  
A066998 3.36407 [ {(n^2+4\*n+4)\*a(n+1)+(-n^2-6\*n-10)\*a(n+2)+a(n+3), a(0) = 0, a(1)  
= 1, a(2) = 5}, ogf]  
A066999 12.6460 -(-11+x+49\*x^2+9\*x^3)/(x-1)/(-1+3\*x)/(x^2+4\*x+1) lgdogf  
A066999 7.74650 [ -(x^2+4\*x+1)/(3\*x-1)/(x-1)^4 ogf]  
A067010 10.4815 [ -(53\*x^3-22\*x^2+33\*x+32)/(9\*x^4+22\*x^2-1) ogf]  
A067010 6.31576 -(33+1364\*x+477\*x^6-396\*x^5-275\*x^4+1152\*x^3+885\*x^2)/  
(53\*x^3-22\*x^2+33\*x+32)/(9\*x^4+22\*x^2-1) lgdogf  
A067011 10.4815 [ -(77\*x^3-43\*x^2+32\*x+33)/(9\*x^4+22\*x^2-1) ogf]  
A067011 6.31576 -(32+1366\*x+693\*x^6-774\*x^5-830\*x^4+1188\*x^3+935\*x^2)/  
(9\*x^4+22\*x^2-1)/(77\*x^3-43\*x^2+32\*x+33) lgdogf  
A067016 9.28030 2\*(2+x+3\*x^7-8\*x^5-3\*x^6+9\*x^3+8\*x^4-4\*x^2)/(x-1)/(x+1)/  
(2\*x^6-2\*x^5-6\*x^4+4\*x^3+2\*x^2-3\*x-1) lgdogf  
A067016 9.46049 [ -(2\*x^6-2\*x^5-6\*x^4+4\*x^3+2\*x^2-3\*x-1)/(x+1)/(x-1)^2 ogf]  
A067017 6.78702 [ (x^16-2\*x^15-x^13-x^12-x^11-x^10-5\*x^9-2\*x^3-3\*x^2-4\*x-1)/  
(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^6-x^5+x^4-x^3+x^2-x+1) ogf]  
A067018 11.5991 [ (3\*x^4+2\*x^3-2\*x^2-4\*x-1)/(x-1)/(x+1) ogf]  
A067046 5.34926 [ {(n^2+11\*n+30)\*a(n+1)+(-n^2-5\*n-6)\*a(n+3), a(0) = 1, a(1) = 2,  
a(2) = 10}, ogf]  
A067046 8.11404 [ (x^4+2\*x^3+6\*x^2+2\*x+1)/(x-1)^4/(x+1)^4 ogf]  
A067046 9.68638 -2\*(1+10\*x+10\*x^2+20\*x^3+5\*x^4+2\*x^5)/(x-1)/(x+1)/(1+2\*x  
+6\*x^2+2\*x^3+x^4) lgdogf  
A067047 4.43544 [ {(-n^3-21\*n^2-146\*n-336)\*a(n+1)+(n^3+9\*n^2+26\*n+24)\*a(n+4),  
a(0) = 1, a(1) = 5, a(2) = 5, a(3) = 35}, ogf]  
A067047 4.80745 [ -  
(x^10+5\*x^9+5\*x^8+30\*x^7+45\*x^6+17\*x^5+45\*x^4+30\*x^3+5\*x^2+5\*x+1)/(x-1)^5/(x^2+x  
+1)^5 ogf]  
A067053 4.81545 [ -  
(174075\*x^10-512\*x^9-256\*x^8-128\*x^7-64\*x^6-32\*x^5-16\*x^4+13\*x^3-2\*x^2-2\*x+1)/

$(3*x-1)$  ogf]  
A067056 11.4462  $-2*(1+7*x+4*x^2)/(x-1)/(x^6-6*x^5+15*x^4-20*x^3+17*x^2-4*x+1)$   
lgdogf  
A067056 3.90463 [  $\{(4*n^2+16*n)*a(n)+(3*n^2+53*n+50)*a(n+1)+(-6*n^2-4*n+16)*a(n+2)+(-n^2-5*n-6)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 14\}$ , ogf]  
A067056 6.63470 [  $(x^6-6*x^5+15*x^4-20*x^3+17*x^2-4*x+1)/(x-1)^6$  ogf]  
A067057 26.8240  $-(11+8*x)/(1+x)/(-1+2*x)$  lgdogf  
A067057 4.32737 [  $\{(n+2)*a(n+3)+(-12-n)*a(n+2)+(-8-2*n)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 22\}$ , ogf]  
A067057 8.37735 [  $-2*x*(x+1)/(2*x-1)^5$  ogf]  
A067060 11.6636 [  $(2*x^4-2*x^3+3*x^2-2*x+3)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A067060 9.68125  $-(1+7*x+2*x^7+9*x^5-2*x^6+22*x^3-5*x^4-2*x^2)/(x-1)/(x+1)/(x^2+1)/(2*x^4-2*x^3+3*x^2-2*x+3)$  lgdogf  
A067061 9.65700 [  $(3*x^6-3*x^5+4*x^4-3*x^3+4*x^2-3*x+4)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A067088 3.86058 [ -  
 $(663471074*x^{10}-8820887*x^9-744573929*x^8-72990958*x^7-715278*x^6-6336*x^5-49*x^4-x^3+x^2-2)/(x+1)/(x-1)^2$  ogf]  
A067090 4.37202 [   
 $(x^{10}-1295181830*x^9+1445850011*x^8+12854702*x^7+112508*x^6+972*x^5-x^4+x^2-x+2)/(x-1)^2$  ogf]  
A067096 6.13409  
 $(-2-849*x^4-68*x^3+1259475*x^8-1331448*x^7-116944*x^6-10080*x^5)/(x-1)/$   
 $(179925*x^8+17992*x^7+1800*x^6+180*x^5+17*x^4+2)$  lgdogf  
A067096 8.45525 [  $-(179925*x^8+17992*x^7+1800*x^6+180*x^5+17*x^4+2)/(x-1)$  ogf]  
A067100 8.26699 [  $x^4*(x+1)*(x^2+1)*(x^{12}-x^{11}+x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)*(x^4-x^2+1)/(x^4+x^3+x^2+x+1)/(x^{20}+x^{15}+x^{10}+x^5+1)/(x-1)^2$  ogf]  
A067114 4.70174 [ -  
 $(6*x^{14}-2*x^{13}-4*x^{12}-2*x^{11}-2*x^{10}+2*x^9+2*x^7-8*x^5-5*x^4+4*x^3+4*x^2+4*x+2)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x+1)^2/(x-1)^3$  ogf]  
A067239 10.6978 [  $(x^3-27*x^2-5*x-1)/(x-1)^3$  ogf]  
A067239 18.3522  $8*(1+8*x+3*x^2)/(x-1)/(x^3-27*x^2-5*x-1)$  lgdogf  
A067239 5.54699 [  $\{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 8, a(2) = 48, a(3) = 120\}$ , ogf]  
A067251 10.7807 [  $(x+1)*(x^4+x^3+x^2+x+1)*(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A067251 43.7631 [  $-x^9+x^8+2$  ogf\_with\_Euler\_transform]  
A067272 13.2813 [  $(8*x+1)/(10*x-1)/(x-1)$  ogf]  
A067272 7.34378 [  $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 1, a(1) = 19\}$ , ogf]  
A067273 3.06140 [  $\{(2*n^2+10*n+12)*a(n+1)+(-2*n^2-11*n-15)*a(n+2)+(n+2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A067275 11.4543 [  $-x*(4*x-1)/(10*x-1)/(x-1)$  ogf]  
A067275 5.67152 [  $\{-a(n+3)+11*a(n+2)-10*a(n+1), a(0) = 0, a(1) = 1, a(2) = 7\}$ , ogf]  
A067297 6.38924  $(-5+98*x-288*x^2+3*(-(-1+16*x)*(-1+26*x)^2)^{(1/2)})/(1+2*x)/(9*x+1)/(-1+16*x)$  lgdogf  
A067299 6.37996  $-1/2*(-31+478*x+288*x^2+3*(-(16*x-1)*(27+10*x)^2)^{(1/2)})/(9*x+10)/(16*x-1)/(1+2*x)$  lgdogf  
A067305 6.83178  $-1/2*(1-70*x+864*x^2+3*(-(16*x-1)*(3+62*x)^2)^{(1/2)})/(1+2*x)/(9*x+1)/(16*x-1)$  lgdogf  
A067318 3.87015 [  $\{(n^3+9*n^2+27*n+27)*a(n+1)+(-2*n^2-12*n-17)*a(n+2)+(n+2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 7\}$ , ogf]  
A067331 13.1723 [  $(x+2)/(x^2+x-1)^2$  ogf]  
A067331 19.6136  $-(5+9*x+3*x^2)/(x+2)/(x^2+x-1)$  lgdogf  
A067331 4.03773 [  $\{(-2*n-8)*a(n+4)+(8+n)*a(n+3)+(15+3*n)*a(n+2)+(n+4)*a(n+1), a(0) = 2, a(1) = 5, a(2) = 12, a(3) = 25\}$ , ogf]  
A067332 16.5394  $-2*(3*x+4)*(x+1)/(2*x+3)/(x^2+x-1)$  lgdogf  
A067332 9.43948 [  $(2*x+3)/(x^2+x-1)^2$  ogf]  
A067333 17.2327  $-(13+23*x+9*x^2)/(3*x+5)/(x^2+x-1)$  lgdogf  
A067333 9.82589 [  $(3*x+5)/(x^2+x-1)^2$  ogf]  
A067334 16.2802  $-(21+37*x+15*x^2)/(5*x+8)/(x^2+x-1)$  lgdogf



A067334 9.55959 [ (5\*x+8)/(x^2+x-1)^2 ogf]  
A067358 17.3168 [ 12\*x/(169\*x^2-10\*x+1) ogf]  
A067358 24.2654 -2\*(-5+169\*x)/(169\*x^2+1-10\*x) lgdogf  
A067358 8.35280 [{a(n+2)-10\*a(n+1)+169\*a(n), a(0) = 0, a(1) = 12}, ogf]  
A067359 14.8538 [ -(5\*x-1)/(169\*x^2-10\*x+1) ogf]  
A067359 16.9990 -(65\*x-1)\*(13\*x-5)/(5\*x-1)/(169\*x^2-10\*x+1) lgdogf  
A067359 8.38805 [{a(n+2)-10\*a(n+1)+169\*a(n), a(0) = 1, a(1) = 5}, ogf]  
A067360 16.6058 [ 8/(289\*x^2-30\*x+1) ogf]  
A067360 19.4669 -2\*(-15+289\*x)/(289\*x^2+1-30\*x) lgdogf  
A067360 6.87134 [-a(n+2)+30\*a(n+1)-289\*a(n), a(0) = 8, a(1) = 240}, ogf]  
A067361 11.7217 [ -(289\*x-15)/(289\*x^2-30\*x+1) ogf]  
A067361 11.8884 -1/578\*(-15-30\*x+(-16\*x+25)\*(16\*x-9))^(1/2)/(1+x) revogf  
A067361 12.3736 -(289\*x-7)\*(289\*x-23)/(289\*x-15)/(289\*x^2-30\*x+1) lgdogf  
A067361 6.79326 [-a(n+2)+30\*a(n+1)-289\*a(n), a(0) = 15, a(1) = 161}, ogf]  
A067389 21.1345 -(17+17\*x+2\*x^2)/(x-1)/(x^2+5\*x+3) lgdogf  
A067389 3.64703 [{(9+3\*n)\*a(n+4)+(-13+2\*n)\*a(n+3)+(-21-4\*n)\*a(n+2)+(-2-n)\*a(n+1), a(0) = 0, a(1) = 6, a(2) = 34, a(3) = 102}, ogf]  
A067389 9.85684 [ 2\*x\*(x^2+5\*x+3)/(x-1)^4 ogf]  
A067395 6.56485 [ -2\*(x^45+x^44-x^41+x^39-x^36-x^35+2\*x^8+2\*x^7+2\*x^6+2\*x^5+x^4+x^3+2\*x^2+2\*x+2)/(x-1)/(x^2+x+1)/(x^6+x^3+1) ogf]  
A067403 15.2792 [ (4\*x-1)/(9\*x-1) ogf]  
A067403 16.2810 1/8+9/8\*x-1/8\*(1+2\*x+81\*x^2)^(1/2) revogf  
A067403 30.7530 5/(9\*x-1)/(-1+4\*x) lgdogf  
A067403 7.85183 [{a(n+2)-9\*a(n+1), a(0) = 1, a(1) = 5}, ogf]  
A067404 12.2144 1/18+8/9\*x-1/18\*(1-4\*x+256\*x^2)^(1/2) revogf  
A067404 17.9766 [ (9\*x-1)/(16\*x-1) ogf]  
A067404 25.1073 7/(16\*x-1)/(9\*x-1) lgdogf  
A067404 9.35767 [{a(n+2)-16\*a(n+1), a(0) = 1, a(1) = 7}, ogf]  
A067405 12.7539 1/32+25/32\*x-1/32\*(1-14\*x+625\*x^2)^(1/2) revogf  
A067405 13.3653 [ (16\*x-1)/(25\*x-1) ogf]  
A067405 26.8503 9/(25\*x-1)/(16\*x-1) lgdogf  
A067405 7.14037 [{a(n+2)-25\*a(n+1), a(0) = 1, a(1) = 9}, ogf]  
A067406 13.7277 1/50+18/25\*x-1/50\*(1-28\*x+1296\*x^2)^(1/2) revogf  
A067406 14.7161 [ (25\*x-1)/(36\*x-1) ogf]  
A067406 28.1418 11/(36\*x-1)/(25\*x-1) lgdogf  
A067406 7.75576 [{a(n+2)-36\*a(n+1), a(0) = 1, a(1) = 11}, ogf]  
A067407 12.6816 1/72+49/72\*x-1/72\*(1-46\*x+2401\*x^2)^(1/2) revogf  
A067407 13.6097 [ (36\*x-1)/(49\*x-1) ogf]  
A067407 25.9973 13/(49\*x-1)/(36\*x-1) lgdogf  
A067407 7.17268 [{a(n+2)-49\*a(n+1), a(0) = 1, a(1) = 13}, ogf]  
A067408 11.3930 1/98+32/49\*x-1/98\*(1-68\*x+4096\*x^2)^(1/2) revogf  
A067408 12.2479 [ (49\*x-1)/(64\*x-1) ogf]  
A067408 23.3557 15/(64\*x-1)/(49\*x-1) lgdogf  
A067408 6.45500 [{a(n+2)-64\*a(n+1), a(0) = 1, a(1) = 15}, ogf]  
A067409 10.7859 [ (64\*x-1)/(81\*x-1) ogf]  
A067409 20.5196 17/(81\*x-1)/(64\*x-1) lgdogf  
A067409 5.68449 [{a(n+2)-81\*a(n+1), a(0) = 1, a(1) = 17}, ogf]  
A067409 9.32709 1/128+81/128\*x-1/128\*(1-94\*x+6561\*x^2)^(1/2) revogf  
A067411 14.4119 [ (2\*x-1)/(6\*x-1) ogf]  
A067411 15.3311 1/4+3/2\*x-1/4\*(1+4\*x+36\*x^2)^(1/2) revogf  
A067411 30.6622 4/(6\*x-1)/(2\*x-1) lgdogf  
A067411 7.40611 [{a(n+2)-6\*a(n+1), a(0) = 1, a(1) = 4}, ogf]  
A067412 14.6426 [ (3\*x-1)/(8\*x-1) ogf]  
A067412 15.5882 1/6+4/3\*x-1/6\*(1+4\*x+64\*x^2)^(1/2) revogf  
A067412 31.1764 5/(8\*x-1)/(3\*x-1) lgdogf  
A067412 7.52468 [{a(n+2)-8\*a(n+1), a(0) = 1, a(1) = 5}, ogf]  
A067413 14.6040 [ (5\*x-1)/(-1+12\*x) ogf]  
A067413 14.6862 1/10+6/5\*x-1/10\*(1+4\*x+144\*x^2)^(1/2) revogf  
A067413 30.1883 7/(12\*x-1)/(5\*x-1) lgdogf  
A067413 7.60207 [{a(n+2)-12\*a(n+1), a(0) = 1, a(1) = 7}, ogf]

A067414 13.4950 [ (6\*x-1)/(14\*x-1) ogf]  
A067414 13.5535 1/12+7/6\*x-1/12\*(1+4\*x+196\*x^2)^(1/2) revogf  
A067414 27.8599 8/(14\*x-1)/(6\*x-1) lgdogf  
A067414 7.02481 [{a(n+2)-14\*a(n+1), a(0) = 1, a(1) = 8}, ogf]  
A067415 12.1848 [ (7\*x-1)/(16\*x-1) ogf]  
A067415 12.2144 1/14+8/7\*x-1/14\*(1+4\*x+256\*x^2)^(1/2) revogf  
A067415 25.1073 9/(16\*x-1)/(7\*x-1) lgdogf  
A067415 6.34278 [{a(n+2)-16\*a(n+1), a(0) = 1, a(1) = 9}, ogf]  
A067416 12.8415 [ (8\*x-1)/(18\*x-1) ogf]  
A067416 12.8888 1/16+9/8\*x-1/16\*(1+4\*x+324\*x^2)^(1/2) revogf  
A067416 23.8443 10/(18\*x-1)/(-1+8\*x) lgdogf  
A067416 6.59427 [{a(n+2)-18\*a(n+1), a(0) = 1, a(1) = 10}, ogf]  
A067419 14.4518 [ (6\*x-1)/(-1+12\*x) ogf]  
A067419 18.5382 1/12+x-1/12\*(1+144\*x^2)^(1/2) revogf  
A067419 29.8672 6/(12\*x-1)/(6\*x-1) lgdogf  
A067419 7.52288 [{a(n+2)-12\*a(n+1), a(0) = 1, a(1) = 6}, ogf]  
A067420 13.0764 1/16+15/16\*x-1/16\*(1-2\*x+225\*x^2)^(1/2) revogf  
A067420 13.7187 [ (8\*x-1)/(15\*x-1) ogf]  
A067420 28.3321 7/(15\*x-1)/(8\*x-1) lgdogf  
A067420 7.14125 [{a(n+2)-15\*a(n+1), a(0) = 1, a(1) = 7}, ogf]  
A067421 12.2278 [ (10\*x-1)/(18\*x-1) ogf]  
A067421 12.2578 1/20+9/10\*x-1/20\*(1-4\*x+324\*x^2)^(1/2) revogf  
A067421 23.2898 8/(-1+18\*x)/(10\*x-1) lgdogf  
A067421 6.53267 [{a(n+2)-18\*a(n+1), a(0) = 1, a(1) = 8}, ogf]  
A067422 12.7966 [ (-1+12\*x)/(21\*x-1) ogf]  
A067422 13.1885 7/8\*x+1/24-1/24\*(441\*x^2-6\*x+1)^(1/2) revogf  
A067422 6.83652 [{a(n+2)-21\*a(n+1), a(0) = 1, a(1) = 9}, ogf]  
A067423 13.3653 [ (14\*x-1)/(24\*x-1) ogf]  
A067423 13.7880 1/28+6/7\*x-1/28\*(1-8\*x+576\*x^2)^(1/2) revogf  
A067423 25.5078 10/(24\*x-1)/(14\*x-1) lgdogf  
A067423 7.04388 [{a(n+2)-24\*a(n+1), a(0) = 1, a(1) = 10}, ogf]  
A067424 13.1698 1/32+27/32\*x-1/32\*(1-10\*x+729\*x^2)^(1/2) revogf  
A067424 13.7918 [ (16\*x-1)/(27\*x-1) ogf]  
A067424 26.3396 11/(27\*x-1)/(16\*x-1) lgdogf  
A067424 7.26868 [{a(n+2)-27\*a(n+1), a(0) = 1, a(1) = 11}, ogf]  
A067426 13.2231 [ (15\*x-1)/(24\*x-1) ogf]  
A067426 13.2792 1/30+4/5\*x-1/30\*(1-12\*x+576\*x^2)^(1/2) revogf  
A067426 26.5585 9/(24\*x-1)/(15\*x-1) lgdogf  
A067426 7.06441 [{a(n+2)-24\*a(n+1), a(0) = 1, a(1) = 9}, ogf]  
A067427 13.8629 [ (18\*x-1)/(28\*x-1) ogf]  
A067427 13.9359 1/36+7/9\*x-1/36\*(1-16\*x+784\*x^2)^(1/2) revogf  
A067427 26.4782 10/(28\*x-1)/(18\*x-1) lgdogf  
A067427 7.30615 [{a(n+2)-28\*a(n+1), a(0) = 1, a(1) = 10}, ogf]  
A067428 13.5248 1/42+16/21\*x-1/42\*(1-20\*x+1024\*x^2)^(1/2) revogf  
A067428 14.5028 [ (21\*x-1)/(32\*x-1) ogf]  
A067428 27.7259 11/(32\*x-1)/(21\*x-1) lgdogf  
A067428 7.64335 [{a(n+2)-32\*a(n+1), a(0) = 1, a(1) = 11}, ogf]  
A067429 14.4317 1/48+3/4\*x-1/48\*(1-24\*x+1296\*x^2)^(1/2) revogf  
A067429 14.7161 [ (24\*x-1)/(36\*x-1) ogf]  
A067429 28.1418 12/(36\*x-1)/(24\*x-1) lgdogf  
A067429 7.75576 [{a(n+2)-36\*a(n+1), a(0) = 1, a(1) = 12}, ogf]  
A067430 15.6087 -2\*(17+30\*x+12\*x^2)/(8\*x+13)/(x^2+x-1) lgdogf  
A067430 9.78161 [ (8\*x+13)/(x^2+x-1)^2 ogf]  
A067431 15.4994 -(55+97\*x+39\*x^2)/(13\*x+21)/(x^2+x-1) lgdogf  
A067431 9.31206 [ (13\*x+21)/(x^2+x-1)^2 ogf]  
A067455 9.51844 -1+(3-3\*x)\*f(x)+(-3+6\*x-3\*x^2)\*f(x)^2+(-3\*x+3\*x^2-x^3+1)\*f(x)^3  
lgdegf  
A067470 4.94492 [ -  
(21717383193\*x^10-134217728\*x^9-16777216\*x^8-2097152\*x^7+1038311\*x^6-33614\*x^5+5  
143\*x^4+171\*x^3-19\*x^2+7\*x+1)/(9\*x-1) ogf]  
A067480 10.0888 -1/32\*ln(5)+1/32\*ln(4+16\*x+(1+256\*x^2+128\*x)^(1/2)) revogf

A067480 10.2906  $-128*(1+16*x+1024*x^2)/(32*x+1)/(128*x+1)/(32*x-1)$  lgdogf  
A067480 11.4209  $[-2*(128*x+1)/(32*x-1)/(32*x+1)$  ogf]  
A067480 7.61394  $[{a(n+2)-1024*a(n), a(0) = 2, a(1) = 256},$  ogf]  
A067482 19.6999  $1/1024*\ln(1+256*x)$  revegf  
A067482 20.8588  $-1024/(-1+1024*x)$  lgdogf  
A067484 11.9748  $1/10077696*\ln(1+1679616*x)$  revegf  
A067488 10.0900  $[-(128*x^2+16*x+1)/(1024*x^3-1)$  ogf]  
A067488 6.76770  $[{a(n+3)-1024*a(n), a(0) = 1, a(1) = 16, a(2) = 128},$  ogf]  
A067488 9.87981  $-16*(128*x^2+1)*(1+8*x)^2/(128*x^2+16*x+1)/(1024*x^3-1)$  lgdogf  
A067489 3.21201  $[(205880671741446*x^7+9298091736*x^6-129140163*x^5-14348907*x^4-1594323*x^3-177147*x^2-19683*x-1)/(2187*x^2-1)/(4782969*x^4+2187*x^2+1)$  ogf]  
A067490 3.66809  $[(1162144876643701751808*x^13-24211351596743786496*x^12-16*x-1)/(1549526502191602335744*x^13-24211351596743786496*x^12+1024*x^2-1)$  ogf]  
A067491 3.79275  $[{-a(n+4)+9765625*a(n+1), a(0) = 1, a(1) = 125, a(2) = 15625, a(3) = 1953125},$  ogf]  
A067491 5.76499  $[(7812500*x^3-15625*x^2-125*x-1)/(9765625*x^3-1)$  ogf]  
A067492 5.10487  $[{a(n+3)-10077696*a(n), a(0) = 1, a(1) = 1296, a(2) = 1679616},$  ogf]  
A067492 7.22535  $[-(1679616*x^2+1296*x+1)/(216*x-1)/(46656*x^2+216*x+1)$  ogf]  
A067493 4.14394  $[(83047723206*x^4-1977326743*x^3-117649*x^2-16807*x-1)/(96889010407*x^4-1)$  ogf]  
A067499 20.8154  $8-12*f(x)+6*f(x)^2-f(x)^3$  lgdegf  
A067517 2.28093  $[(-1/x^4-1)*x^4/(x-1)$  ogf\_with\_Euler\_transform]  
A067534 5.72001  $[(x+1)*(x^2+10*x+1)/(4*x-1)/(x-1)^5$  ogf]  
A067534 8.14857  $-2*(-10-21*x+91*x^3+6*x^4+114*x^2)/(x-1)/(-1+4*x)/(1+x)/(x^2+10*x+1)$  lgdogf  
A067550 6.91305  $[{(n^2+7*n+10)*a(n+1)-2*a(n+2), a(0) = 1, a(1) = 2},$  ogf]  
A067556 4.84086  $[-(44640625*x^5-43750000*x^4-875000*x^3-17500*x^2-350*x-7)/(x-1)/(5*x+1)/(5*x-1)/(25*x^2+5*x+1)/(25*x^2-5*x+1)$  ogf]  
A067589 6.35983  $[-(x^2+4*x+1)*(x^4-2*x^3+4*x^2-2*x+1)/(x^2+1)^2/(x-1)^3$  ogf]  
A067589 7.70445  $-(5-6*x-10*x^6+50*x^5+34*x^2+6*x^3-14*x^4+x^8+6*x^7)/(x-1)/(x^2+1)/(x^2+4*x+1)/(x^4-2*x^3+4*x^2-2*x+1)$  lgdogf  
A067623 5.37513  $[-(9*x^2+3*x+1)*(6561*x^6+81*x^3+1)/(1594323*x^9-1)$  ogf]  
A067624 5.15581  $[{(16*n^2+56*n+48)*a(n+1)-a(n+2), a(0) = 1, a(1) = 8},$  ogf]  
A067626 4.44799  $[{(16*n^2+72*n+80)*a(n+1)-a(n+2), a(0) = 2, a(1) = 48},$  ogf]  
A067634 12.1536  $[(3*x+1)*(9*x-1)/(10*x-1)$  ogf]  
A067634 13.0103  $2*(2-27*x+135*x^2)/(9*x-1)/(3*x+1)/(10*x-1)$  lgdogf  
A067634 6.64210  $[{-a(n+3)+10*a(n+2), a(0) = 1, a(1) = 4, a(2) = 13},$  ogf]  
A067636 3.48851  $[{(16*n^3+144*n^2+428*n+420)*a(n+1)+(-n^3-11*n^2-38*n-40)*a(n+2), a(0) = 2, a(1) = 20},$  ogf]  
A067703 9.11203  $[-(56*x^2+2800*x-2857)/(2*x-1)/(x-1)/(4*x^2+2*x+1)$  ogf]  
A067705 13.6824  $[11*(x-3)/(x-1)^3$  ogf]  
A067705 36.8888  $-2*(x-4)/(x-1)/(x-3)$  lgdogf  
A067705 6.48734  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 33, a(1) = 88, a(2) = 165},$  ogf]  
A067707 15.1019  $[3*(3*x-5)/(x-1)^3$  ogf]  
A067707 34.7907  $-6*(-2+x)/(x-1)/(3*x-5)$  lgdogf  
A067707 7.09130  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 15, a(1) = 36, a(2) = 63},$  ogf]  
A067724 14.0697  $[5*(x-3)/(x-1)^3$  ogf]  
A067724 37.2359  $-2*(x-4)/(x-1)/(x-3)$  lgdogf  
A067724 6.60663  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 15, a(1) = 40, a(2) = 75},$  ogf]  
A067725 14.3199  $[3*x*(x-3)/(x-1)^3$  ogf]  
A067725 38.3182  $-2*(-4+x)/(x-1)/(x-3)$  lgdogf  
A067725 7.28779  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 9, a(2) = 24},$  ogf]  
A067726 14.4876  $[6*(x-3)/(x-1)^3$  ogf]  
A067726 38.3642  $-2*(x-4)/(x-1)/(x-3)$  lgdogf

A067726 6.80287 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 18, a(1) = 48, a(2) = 90\}$ , ogf]  
A067727 14.3277 [ $7*(x-3)/(x-1)^3$  ogf]  
A067727 37.9374  $-2*(x-4)/(x-1)/(x-3)$  lgdogf  
A067727 6.66981 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 21, a(1) = 56, a(2) = 105\}$ , ogf]  
A067728 14.7474 [ $2*(3*x-5)/(x-1)^3$  ogf]  
A067728 33.9584  $-6*(-2+x)/(x-1)/(3*x-5)$  lgdogf  
A067728 6.92484 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 10, a(1) = 24, a(2) = 42\}$ , ogf]  
A067749 17.0691 [ $(13*x+87)/(x-1)^2$  ogf]  
A067749 19.1978  $-1/2*(-87-2*x+(7569+400*x)^{(1/2)})/(-13+x)$  revogf  
A067749 29.1523  $-(187+13*x)/(13*x+87)/(x-1)$  lgdogf  
A067749 9.43821 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 87, a(1) = 187\}$ , ogf]  
A067771 14.6252 [ $-3*(2*x-1)/(3*x-1)/(x-1)$  ogf]  
A067771 16.5411  $-2*(1-3*x+3*x^2)/(x-1)/(3*x-1)/(-1+2*x)$  lgdogf  
A067771 8.02605 [ $\{a(n+2)-4*a(n+1)+3*a(n), a(0) = 3, a(1) = 6\}$ , ogf]  
A067839 3.69905 [ $(x^2+2*x+2)/(x+1)/(x-1)^2$  ogf]  
A067844 13.4467 [ $2*(2*x^2+x+7)/(x+1)/(x-1)^2$  ogf]  
A067844 18.1720  $-2*(4+13*x+x^3+2*x^2)/(x-1)/(1+x)/(2*x^2+x+7)$  lgdogf  
A067844 7.24954 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 14, a(1) = 16, a(2) = 34\}$ , ogf]  
A067865 17.0691 [ $4*(16*x+9)/(x-1)^2$  ogf]  
A067865 23.1503  $-(-18-x+2*(81+25*x)^{(1/2)})/(-64+x)$  revogf  
A067865 30.2735  $-2*(17+8*x)/(16*x+9)/(x-1)$  lgdogf  
A067865 9.43821 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 36, a(1) = 136\}$ , ogf]  
A067866 14.6568 [ $8*(33*x+92)/(x-1)^2$  ogf]  
A067866 17.5990  $-(-368-x+2*(33856+250*x)^{(1/2)})/(-264+x)$  revogf  
A067866 26.0726  $-(217+33*x)/(33*x+92)/(x-1)$  lgdogf  
A067866 8.25495 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 736, a(1) = 1736\}$ , ogf]  
A067867 14.0726 [ $16*(79*x+546)/(x-1)^2$  ogf]  
A067867 15.9993  $-(-4368-x+4*(1192464+625*x)^{(1/2)})/(-1264+x)$  revogf  
A067867 24.2748  $-(1171+79*x)/(79*x+546)/(x-1)$  lgdogf  
A067867 8.06409 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 8736, a(1) = 18736\}$ , ogf]  
A067869 12.2947 [ $32*(1602*x+1523)/(x-1)^2$  ogf]  
A067869 13.3039  $-(-24368-x+4*(37112464+6250*x)^{(1/2)})/(-51264+x)$  revogf  
A067869 18.2454  $-2*(2324+801*x)/(1602*x+1523)/(x-1)$  lgdogf  
A067869 7.16066 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 48736, a(1) = 148736\}$ , ogf]  
A067870 13.6018 [ $(7*x^2+6*x+7)/(x+1)/(x-1)^2$  ogf]  
A067870 16.6072  $-(-13+41*x+7*x^3+19*x^2)/(x-1)/(x+1)/(7*x^2+6*x+7)$  lgdogf  
A067870 7.27814 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 7, a(1) = 13, a(2) = 27\}$ , ogf]  
A067895 15.9751 [ $-(x-1)/(20*x-1)/(2*x-1)$  ogf]  
A067895 16.0664  $-1/2*(-1-22*x+(1+40*x+324*x^2)^{(1/2)})/(1+40*x)$  revogf  
A067895 18.4764  $-(21-80*x+40*x^2)/(x-1)/(20*x-1)/(2*x-1)$  lgdogf  
A067895 8.83332 [ $\{-a(n+2)+22*a(n+1)-40*a(n), a(0) = 1, a(1) = 21\}$ , ogf]  
A067896 7.50636 [ $(21*x^9+42*x^8+84*x^7+168*x^6+15*x^5+30*x^4-151*x^3-63*x^2-126*x-41)/(x-1)/(x^2+x+1)$  ogf]  
A067900 10.2342  $-(-7*x-4+2*(2+3*x)^{(1/2)}*(2*x+1)^{(1/2)}*2^{(1/2)})/x$  revogf  
A067900 13.4205 [ $8*x/(x^2-14*x+1)$  ogf]  
A067900 22.7945  $-2*(-7+x)/(x^2+1-14*x)$  lgdogf  
A067900 6.21924 [ $\{a(n+2)-14*a(n+1)+a(n), a(0) = 0, a(1) = 8\}$ , ogf]  
A067902 16.0622 [ $-2*(7*x-1)/(x^2-14*x+1)$  ogf]  
A067902 20.6373  $-(7-2*x+7*x^2)/(-1+7*x)/(x^2-14*x+1)$  lgdogf  
A067902 8.98719 [ $\{a(n+2)-14*a(n+1)+a(n), a(0) = 2, a(1) = 14\}$ , ogf]  
A067955 27.5500  $-x*(-1+x)*(1+x)/(1-x^2+x^3)$  revogf  
A067956 4.72278 [ $-(2*x^7-3*x^6-6*x^5+11*x^4+6*x^3-9*x^2-2*x+9)/(x+1)^3/(x-1)^5$  ogf]  
A067956 5.89172  $-2*(8+25*x-5*x^6+7*x^5-x^7+11*x^4+x^3+x^8-7*x^2)/(x-1)/(x+1)/(2*x^7-3*x^6-6*x^5+11*x^4+6*x^3-9*x^2-2*x+9)$  lgdogf

A067969 4.14096 [  $-(2*x^9-3*x^8-8*x^7+12*x^6+12*x^5-26*x^4-8*x^3+12*x^2+2*x-11)/(x+1)^4/(x-1)^6$  ogf]  
A067977 14.4900  $-(89+157*x+63*x^2)/(21*x+34)/(x^2+x-1)$  lgdogf  
A067977 8.94684 [  $(21*x+34)/(x^2+x-1)^2$  ogf]  
A067978 14.1727  $-2*(72+127*x+51*x^2)/(34*x+55)/(x^2+x-1)$  lgdogf  
A067978 9.20543 [  $(34*x+55)/(x^2+x-1)^2$  ogf]  
A067980 12.5378  $-(13+23*x+4*x^3+21*x^2)/(1+2*x)/(x+3)/(x^2+x-1)$  lgdogf  
A067980 8.73546 [  $(x+3)*(2*x+1)/(x^2+x-1)^2$  ogf]  
A067981 11.4628  $-(19+39*x+12*x^3+33*x^2)/(1+2*x)/(3*x+4)/(x^2+x-1)$  lgdogf  
A067981 8.37810 [  $(3*x+4)*(2*x+1)/(x^2+x-1)^2$  ogf]  
A067982 11.5647  $-2*(16+31*x+8*x^3+27*x^2)/(4*x+7)/(2*x+1)/(x^2+x-1)$  lgdogf  
A067982 8.61611 [  $(4*x+7)*(2*x+1)/(x^2+x-1)^2$  ogf]  
A067983 11.0918  $-(51+101*x+28*x^3+87*x^2)/(7*x+11)/(1+2*x)/(x^2+x-1)$  lgdogf  
A067983 8.19382 [  $(7*x+11)*(2*x+1)/(x^2+x-1)^2$  ogf]  
A067984 10.2570  $-(83+163*x+44*x^3+141*x^2)/(11*x+18)/(1+2*x)/(x^2+x-1)$  lgdogf  
A067984 7.87374 [  $(11*x+18)*(2*x+1)/(x^2+x-1)^2$  ogf]  
A067985 7.64483 [  $(18*x+29)*(2*x+1)/(x^2+x-1)^2$  ogf]  
A067985 9.59916  $-2*(67+132*x+36*x^3+114*x^2)/(1+2*x)/(18*x+29)/(x^2+x-1)$  lgdogf  
A067986 7.71649 [  $(29*x+47)*(2*x+1)/(x^2+x-1)^2$  ogf]  
A067986 9.82908  $-(217+427*x+116*x^3+369*x^2)/(1+2*x)/(29*x+47)/(x^2+x-1)$  lgdogf  
A067987 10.0590  $-(351+691*x+188*x^3+597*x^2)/(47*x+76)/(1+2*x)/(x^2+x-1)$  lgdogf  
A067987 7.89288 [  $(47*x+76)*(2*x+1)/(x^2+x-1)^2$  ogf]  
A067988 16.5559  $-(3+8*x+4*x^3+x^2)/(1+x^2)/(x^2+x-1)$  lgdogf  
A067988 3.42405 [  $\{-n^2-10*n-25\} * a(n+1) + \{-n^2-8*n-15\} * a(n+2) + \{n^2+6*n+9\} * a(n+3)$ ,  
 $a(0) = 1, a(1) = 3, a(2) = 10$ }, ogf]  
A067988 9.37663 [  $-(x^2+1)/(x^2+x-1)^3$  ogf]  
A067989 7.53335 [  $(2*x+1)*(x^2-4*x-1)/(x^2+x-1)^3$  ogf]  
A067989 9.44807  $-( -9-32*x+6*x^4-28*x^3-31*x^2)/(1+2*x)/(x^2+x-1)/(x^2-4*x-1)$   
lgdogf  
A067994 176.753  $-2*x$  lgdegf  
A067994 6.44137 [  $\{-2*n-4\} * a(n+1) - a(n+3)$ ,  $a(0) = 1, a(1) = 0, a(2) = -2$ }, ogf]  
A067998 18.0295 [  $-x*(3*x-1)/(x-1)^3$  ogf]  
A067998 56.8658  $-6*x/(3*x-1)/(x-1)$  lgdogf  
A067998 9.34255 [  $\{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n)\}$ ,  $a(0) = 0, a(1) = -1, a(2) = 0$ }, ogf]  
A068010 12.0821 [  $-(2*x^3+x-1)/(2*x-1)/(2*x^3-1)$  ogf]  
A068010 13.1437  $-(1+12*x^4-12*x^3+8*x^6)/(-1+2*x)/(2*x^3-1)/(2*x^3+x-1)$  lgdogf  
A068011 10.3747 [  $-(x^2-x+1)*(2*x^3+2*x^2-1)/(2*x-1)/(2*x^5-1)$  ogf]  
A068011 8.06604  $-(1-2*x-16*x^5+8*x^10+14*x^6+2*x^2+16*x^7)/(-1+2*x)/(x^2-x+1)/(2*x^3+2*x^2-1)/(2*x^5-1)$  lgdogf  
A068012 7.82933  $(1-2*x+14*x^4-8*x^3+8*x^8-8*x^7+6*x^6-8*x^5+2*x^2)/(x-1)/(2*x-1)/(2*x^3-1)/(2*x^4+3*x^3+x^2-1)$  lgdogf  
A068012 8.82564 [  $(x-1)*(2*x^4+3*x^3+x^2-1)/(2*x-1)/(2*x^3-1)$  ogf]  
A068013 5.60651  $-(1-2*x+8*x^5-11*x^4+8*x^3+8*x^14+12*x^12+26*x^10+18*x^8-x^2+16*x^9-20*x^7-20*x^11)/(-1+2*x)/(2*x^7-1)/(2*x^7+x^5-x^4+x^3+x^2+x-1)$  lgdogf  
A068013 7.98998 [  $-(2*x^7+x^5-x^4+x^3+x^2+x-1)/(2*x-1)/(2*x^7-1)$  ogf]  
A068018 10.8661 [  $(3*x^2-1)/(2*x-1)/(2*x+1)/(x-1)^2$  ogf]  
A068018 12.8205  $-2*(1+x+12*x^4-8*x^2)/(x-1)/(2*x+1)/(-1+2*x)/(3*x^2-1)$  lgdogf  
A068018 3.60355 [  $\{(4*n+8)*a(n+1)+(-4*n-4)*a(n+2)+(-n-2)*a(n+3)+(n+1)*a(n+4)$ ,  
 $a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 6$ }, ogf]  
A068028 11.3102  $-(1+6*x+5*x^6+6*x^5-21*x^4+30*x^3-9*x^2)/(x-1)/(x+1)/(x^2-x+1)/(4*x^4+x^3+3*x^2-2*x+3)$  lgdogf  
A068028 12.8739 [  $-(4*x^4+x^3+3*x^2-2*x+3)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A068030 4.76371 [  $-(4*x^12-2*x^9-x^7+2*x^6+2*x^5+2*x^4-3*x^3-x^2-x+1)/(2*x-1)/(2*x^3-1)/(2*x^9-1)$  ogf]  
A068031 7.21631 [  $(x-1)*(2*x^7+3*x^6+4*x^5+2*x^4+2*x^3+x^2-1)/(2*x-1)/(2*x^5-1)$  ogf]  
A068032 6.90559 [  $-(2*x^11+x^9-x^5+x^4+x^3+x^2+x-1)/(2*x-1)/(2*x^11-1)$  ogf]  
A068033 6.58882 [  $-(2*x^8-x^7-2*x^6-3*x^5-x^4+3*x^3+x^2+x-1)/(2*x-1)/(2*x^3-1)$  ogf]  
A068034 6.35558 [  $-(2*x^13-x^10+x^9-x^6+x^4+x^3+x^2+x-1)/(2*x-1)/(2*x^13-1)$  ogf]

A068035 5.21464 [  $-(2*x^{13}+x^{12}-3*x^{11}-x^{10}-x^9-x^8+2*x^7-x^6+x^4+x^3+x^2+x-1)/(2*x-1)/(2*x^7-1)$  ogf]  
A068037 8.09182 [  $(2*x^8-x^7-2*x^6+x^5+x^4+x^3+x^2+x-1)/(2*x-1)$  ogf]  
A068037 8.29444  $(1-2*x-28*x^7+28*x^8+20*x^5-13*x^6+x^4-x^2)/(2*x-1)/(2*x^8-x^7-2*x^6+x^5+x^4+x^3+x^2+x-1)$  lgdogf  
A068041 4.81681 [  $(4*x^{12}+4*x^{11}-x^{10}-7*x^9-11*x^8-15*x^7-15*x^6-11*x^5-5*x^4-2*x^3+x+1)*(x-1)^2/(2*x-1)/(2*x^5-1)$  ogf]  
A068044 4.61723 [  $-(2*x^{15}+5*x^{14}-5*x^{13}-13*x^{12}-3*x^{11}+9*x^{10}+8*x^9+x^8-x^7-x^6-x^5-x^4-x^3-x^2-x+1)/(2*x-1)$  ogf]  
A068062 4.70761 [  $x*(19*x^{18}+9*x^{17}+9*x^{16}+9*x^{15}+9*x^{14}-9*x^{13}+8*x^9+9*x^8+9*x^7+9*x^6+9*x^5+3*x^4+2*x^3+2*x^2+2*x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A068073 16.2507 [  $-(2*x^2+x+1)/(x-1)/(x^2+1)$  ogf]  
A068073 21.1452  $-2*(x^2-x+1)*(x+1)^2/(x-1)/(1+x^2)/(2*x^2+x+1)$  lgdogf  
A068073 8.85083 [  $\{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$ , ogf]  
A068082 7.27103  $(3-40*x+1260*x^5+17*x^2+1320*x^3-2568*x^4)/(x-1)/(9*x-1)/(70*x^4-52*x^3-11*x^2-7*x+1)$  lgdogf  
A068082 8.63310 [  $(70*x^4-52*x^3-11*x^2-7*x+1)/(9*x-1)/(x-1)$  ogf]  
A068085 4.74457 [  $-x*(x^4+20*x^3+57*x^2+20*x+1)/(x-1)/(x^6-1442*x^3+1)$  ogf]  
A068102 3.93962 [  $\{(2*n^2+12*n+18)*a(n+1)+(-3*n-11)*a(n+2)+a(n+3), a(0) = 1, a(1) = 5, a(2) = 32\}$ , ogf]  
A068154 3.98483 [  $-(1620000*x^4+6750*x^2+1)/(-1+12*x)/(15*x-1)/(20*x-1)/(30*x-1)/(60*x-1)$  ogf]  
A068156 13.3271 [  $(2*x^2+1)/(2*x-1)/(x-1)$  ogf]  
A068156 16.8270  $-3*(-1+2*x^2)/(x-1)/(-1+2*x)/(2*x^2+1)$  lgdogf  
A068156 6.40225 [  $\{a(n+3)-3*a(n+2)+2*a(n+1), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A068175 3.64392 [  $(12320000*x^7-12322200*x^6+34200*x^5-33320*x^4+630*x^3+497*x^2+95*x-1)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A068176 4.71974 [  $(2986275*x^6+1189275*x^5+109275*x^4+21275*x^3+2275*x^2+175*x-2)/(100*x-1)$  ogf]  
A068177 3.64150 [  $(29280000*x^6-32203800*x^5+2948000*x^4-29650*x^3+305*x^2+297*x-3)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A068178 3.66743 [  $(1593000*x^5-1735230*x^4+136353*x^3-850*x^2+395*x-4)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A068179 4.95057 [  $\{a(n+3)-11*a(n+2)+36*a(n+1)-36*a(n), a(0) = 1, a(1) = 11, a(2) = 121\}$ , ogf]  
A068179 9.57651 [  $-(36*x^2+1)/(6*x-1)/(3*x-1)/(2*x-1)$  ogf]  
A068179 9.86525  $-(11-288*x^2+1296*x^4)/(6*x-1)/(-1+3*x)/(2*x-1)/(36*x^2+1)$  lgdogf  
A068180 5.64420 [  $(864*x^4+210*x^2+1)/(6*x-1)/(3*x-1)/(-1+12*x)/(4*x-1)$  ogf]  
A068181 4.58003 [  $\{(36*n^2+126*n+108)*a(n+1)-a(n+2), a(0) = 1, a(1) = 18\}$ , ogf]  
A068203 13.5632 [  $-(15*x-1)/(x^2-30*x+1)$  ogf]  
A068203 16.4774  $-(15-2*x+15*x^2)/(15*x-1)/(x^2-30*x+1)$  lgdogf  
A068203 7.58895 [  $\{a(n+2)-30*a(n+1)+a(n), a(0) = 1, a(1) = 15\}$ , ogf]  
A068204 12.3446  $-(2-15*x+2*(1+8*x)^{1/2}*(7*x+1)^{1/2})/x$  revogf  
A068204 13.8629 [  $4*x/(x^2-30*x+1)$  ogf]  
A068204 22.5424  $-2*(-15+x)/(x^2+1-30*x)$  lgdogf  
A068204 6.42429 [  $\{a(n+2)-30*a(n+1)+a(n), a(0) = 0, a(1) = 4\}$ , ogf]  
A068217 11.6481  $-2*(1+x+3*x^5+2*x^4+7*x^3+x^6+6*x^2)/(x-1)/(x^2+x+1)/(x^4+2*x^3+x^2+2*x+1)$  lgdogf  
A068217 12.0381 [  $2*(x^4+2*x^3+x^2+2*x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A068217 6.86547 [  $\{(-n-5)*a(n+1)+(n+2)*a(n+4), a(0) = 2, a(1) = 4, a(2) = 2, a(3) = 8\}$ , ogf]  
A068219 7.84607  $-(1+6*x+12*x^7+3*x^8+2*x^9+24*x^5+5*x^6+20*x^3+12*x^4+3*x^2)/(x-1)/(x+1)/(x^2+1)/(x^6+x^5+3*x^4+x^3+3*x^2+x+1)$  lgdogf  
A068219 9.88569 [  $3*(x^6+x^5+3*x^4+x^3+3*x^2+x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A068236 11.2980 [  $30*(x+1)^2/(x-1)^4$  ogf]  
A068236 38.4316 [  $[6-2*x]$  ogf\_with\_Euler\_transform]

A068236 39.9562  $-2*(3+x)/(x-1)/(x+1)$  lgdogf  
A068236 5.85222  $[ \{ (-n-3)*a(n+3)+6*a(n+2)+(n+3)*a(n+1), a(0) = 30, a(1) = 180, a(2) = 570 \}, ogf]$   
A068239 3.66340  $[ (1199*x^7+16567*x^6+60099*x^5+71075*x^4+28765*x^3+3621*x^2+113*x+1)/(x-1)^{10}$  ogf]  
A068244 4.09347  $[ (1089*x^6+10934*x^5+26015*x^4+18500*x^3+3775*x^2+166*x+1)/(x-1)^{10}$  ogf]  
A068250 4.32516  $[ (832*x^5+4805*x^4+6630*x^3+2600*x^2+250*x+3)/(x-1)^{10}$  ogf]  
A068250 7.18239  $-10*(28+745*x+4069*x^2+6563*x^3+3299*x^4+416*x^5)/(x-1)/(832*x^5+4805*x^4+6630*x^3+2600*x^2+250*x+3)$  lgdogf  
A068293 14.6477  $[ (x+1)*(2*x+1)/(2*x-1)/(x-1)$  ogf]  
A068293 14.9123  $-6*(-1+2*x^2)/(x-1)/(2*x+1)/(-1+2*x)/(x+1)$  lgdogf  
A068293 7.53715  $[ \{-a(n+3)+3*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 6, a(2) = 18 \}, ogf]$   
A068377 11.6524  $[ (x^3-5*x^2-3*x-1)/(x-1)^3$  ogf]  
A068377 21.3162  $2*(3+8*x+x^2)/(x-1)/(x^3-5*x^2-3*x-1)$  lgdogf  
A068377 6.00010  $[ \{ a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 6, a(2) = 20, a(3) = 42 \}, ogf]$   
A068379 11.4762  $[ (x^3-11*x^2-21*x-1)/(x-1)^3$  ogf]  
A068379 20.5093  $8*(3+8*x+x^2)/(x-1)/(x^3-11*x^2-21*x-1)$  lgdogf  
A068379 5.99126  $[ \{ a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 24, a(2) = 80, a(3) = 168 \}, ogf]$   
A068380 10.5029  $[ (x^3-21*x^2-51*x-1)/(x-1)^3$  ogf]  
A068380 18.2789  $18*(3+8*x+x^2)/(x-1)/(x^3-21*x^2-51*x-1)$  lgdogf  
A068380 5.44311  $[ \{ a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 54, a(2) = 180, a(3) = 378 \}, ogf]$   
A068397 10.1569  $[ -(4*x^3+3*x^2-4*x-1)/(x-1)/(x+1)/(x^2+x-1)$  ogf]  
A068397 9.84015  $-(5-2*x+6*x^5-x^4-4*x^3+4*x^6-4*x^2)/(x-1)/(1+x)/(x^2+x-1)/(4*x^3+3*x^2-4*x-1)$  lgdogf  
A068491 5.32660  $[ (x^{10}-x^9+x^8+x^6+x^4+x^2-x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A068508 11.1381  $[ -(3*x^7+4*x^6+5*x^5+3*x^4+2*x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A068548 12.3940  $-32*(-1-5*x+4*x^2)/(-1+4*x)/(16*x^2-16*x-1)$  lgdogf  
A068548 7.07430  $[ -(16*x^2-16*x-1)/(4*x-1)^4$  ogf]  
A068551 10.7192  $x*(4*x+1+3*(1+4*x)^{1/2})/(1+4*x)^{1/2}/(1+(1+4*x)^{1/2})^3$  revogf  
A068551 4.19586  $[ \{ (-16*n-24)*a(n+1)+(8*n+18)*a(n+2)+(-n-3)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 10 \}, ogf]$   
A068552 9.71838  $-4*(8*x^2+8*x-1+(-(-1+4*x)*(-1+2*x)^2)^{1/2})/(16*x^2+4*x-1)/(-1+4*x)$  lgdogf  
A068554 9.30386  $-2*(4*x^2+10*x-2+(-(-1+4*x)*(-1+2*x)^2)^{1/2})/(4*x^2+4*x-1)/(-1+4*x)$  lgdogf  
A068601 10.7337  $[ x*(x^2-2*x+7)/(x-1)^4$  ogf]  
A068601 23.4067  $-2*(13-2*x+x^2)/(x-1)/(x^2-2*x+7)$  lgdogf  
A068601 3.93750  $[ \{ (-21-7*n)*a(n+4)+(44+9*n)*a(n+3)+(-7-3*n)*a(n+2)+(n+2)*a(n+1), a(0) = 0, a(1) = 7, a(2) = 26, a(3) = 63 \}, ogf]$   
A068605 11.4615  $-3*(2*x^2-1)*(6*x^2-8*x+3)/(x-1)/(2*x-1)/(1+6*x^3-6*x^2)$  lgdogf  
A068605 3.63821  $[ \{ (-2*n^2-18*n-40)*a(n+1)+(3*n^2+21*n+30)*a(n+2)+(-n^2-5*n-6)*a(n+3), a(0) = 2, a(1) = 18, a(2) = 84 \}, ogf]$   
A068605 6.89345  $[ 2*(6*x^3-6*x^2+1)/(2*x-1)^3/(x-1)^3$  ogf]  
A068616 5.25815  $[ (3928064*x^4+492844*x^3+52124*x^2+124*x-7)/(100*x-1)$  ogf]  
A068617 3.95735  $[ \{ a(n+4)-100*a(n+3), a(0) = 8, a(1) = 81, a(2) = 841, a(3) = 38416 \}, ogf]$   
A068617 5.47651  $(81-14518*x+9136800*x^3+588848*x^2)/(100*x-1)/(45684*x^3+7259*x^2+719*x-8)$  lgdogf  
A068617 6.49253  $[ (45684*x^3+7259*x^2+719*x-8)/(100*x-1)$  ogf]  
A068620 4.45009  $[ -(704*x^7-704*x^6+288*x^5-56*x^4+32*x^3-24*x^2+8*x-1)/(4*x-1)/(2*x-1)/(8*x^2-4*x+1)/(16*x^4+1)$  ogf]  
A068623 3.61348  $[$

$4*(4062500*x^6-4400125*x^5+328500*x^4+4250*x^3-1575*x^2+215*x-2)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A068624 3.66743 [  $(1786000*x^5-1897460*x^4+98976*x^3-1780*x^2+908*x-9)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A068626 10.4616 [  $-(x^4+2*x^3+2*x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A068626 12.8382  $-3*(1+x+x^6+3*x^5+x^4+6*x^3+5*x^2)/(x-1)/(x^2+x+1)/(x^4+2*x^3+2*x+1)$  lgdogf  
A068628 13.6926 [  $-12*x*(3*x+5)/(x-1)^3$  ogf]  
A068628 7.08654 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 60, a(2) = 216\}$ , ogf]  
A068670 14.1045 [  $(x^{25}+x^4+1)/(x-1)^2$  ogf]  
A068670 15.7180  $(-2+2*x^4-4*x^3-25*x^{24}+23*x^{25})/(x-1)/(x^{25}+x^4+1)$  lgdogf  
A068711 5.56383 [  $2*x^2*(16*x^4-8*x^3-16*x^2+12*x-3)/(4*x-1)/(8*x^2-4*x+1)/(16*x^4+1)$  ogf]  
A068722 10.5275  $-(35+284*x+x^4+64*x^3+336*x^2)/(x-1)/(x^4+30*x^3+82*x^2+30*x+1)$  lgdogf  
A068722 6.90652 [  $-(x^4+30*x^3+82*x^2+30*x+1)/(x-1)^5$  ogf]  
A068744 4.86581 [  $-(x^8+1656*x^7+72876*x^6+522760*x^5+972198*x^4+522760*x^3+72876*x^2+1656*x+1)/(x-1)^9$  ogf]  
A068764 14.1184  $1/2*(-1+2*x+(1-8*x+8*x^2)^{1/2})/(x-1)/(1-8*x+8*x^2)^{1/2}/x$  lgdogf  
A068764 31.3743  $1/2-1/2*(1-4*x+8*x^2)^{1/2}$  revogf  
A068764 4.03821 [  $\{(16*n^2+16*n)*a(n)+(-24*n^2-72*n-48)*a(n+1)+(10*n^2+52*n+66)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A068765 19.2583  $1/4-1/4*(1-8*x+24*x^2)^{1/2}$  revogf  
A068765 8.17017  $1/2*(-1+4*x+(1-12*x+24*x^2)^{1/2})/(2*x-1)/(1-12*x+24*x^2)^{1/2}/x$  lgdogf  
A068766 20.1437  $1/6-1/6*(1-12*x+48*x^2)^{1/2}$  revogf  
A068767 17.3422  $1/8-1/8*(1-16*x+80*x^2)^{1/2}$  revogf  
A068767 7.62007  $1/2*(-1+8*x+(1-20*x+80*x^2)^{1/2})/(4*x-1)/(1-20*x+80*x^2)^{1/2}/x$  lgdogf  
A068768 16.5293  $1/10-1/10*(1-20*x+120*x^2)^{1/2}$  revogf  
A068768 7.66576  $1/2*(-1+10*x+(1-24*x+120*x^2)^{1/2})/(1-24*x+120*x^2)^{1/2}/(5*x-1)/x$  lgdogf  
A068769 14.9629  $1/12-1/12*(1-24*x+168*x^2)^{1/2}$  revogf  
A068769 7.04136  $1/2*(12*x-1+(168*x^2-28*x+1)^{1/2})/x/(168*x^2-28*x+1)^{1/2}/(6*x-1)$  lgdogf  
A068770 15.4941  $1/14-1/14*(1-28*x+224*x^2)^{1/2}$  revogf  
A068770 7.29135  $1/2*(14*x-1+(1-32*x+224*x^2)^{1/2})/(1-32*x+224*x^2)^{1/2}/x/(7*x-1)$  lgdogf  
A068771 16.0253  $1/16-1/16*(1-32*x+288*x^2)^{1/2}$  revogf  
A068772 16.4680  $1/18-1/18*(1-36*x+360*x^2)^{1/2}$  revogf  
A068772 7.74966  $1/2*(18*x-1+(360*x^2-40*x+1)^{1/2})/(9*x-1)/(360*x^2-40*x+1)^{1/2}/x$  lgdogf  
A068774 4.93178 [  $8*x^3*(40*x^4-40*x^3+20*x^2-5*x+1)/(4*x-1)/(2*x-1)/(8*x^2-4*x+1)/(16*x^4+1)$  ogf]  
A068777 5.38190 [  $2*x*(16*x^5-8*x^4+16*x^3-12*x^2+5*x-1)/(4*x-1)/(8*x^2-4*x+1)/(16*x^4+1)$  ogf]  
A068778 5.92867 [  $-16*x^3*(2*x^3+4*x^2-3*x+1)/(4*x-1)/(8*x^2-4*x+1)/(16*x^4+1)$  ogf]  
A068784 5.97354 [  $(32831*x^7-19710*x^6-12417*x^5-704*x^4+16768*x^2+13121*x+16767)/(x+1)/(x-1)^2$  ogf]  
A068786 5.28851 [  $-(32*x^6-32*x^5+8*x^4-16*x^3+14*x^2-6*x+1)/(4*x-1)/(8*x^2-4*x+1)/(16*x^4+1)$  ogf]  
A068787 5.42206 [  $-2*x*(16*x^5-16*x^4+4*x^3+8*x^2-5*x+1)/(4*x-1)/(8*x^2-4*x+1)/(16*x^4+1)$  ogf]  
A068788 5.58889 [  $-4*x^2*(8*x^4-16*x^3+12*x^2-4*x+1)/(4*x-1)/(8*x^2-4*x+1)/(16*x^4+1)$  ogf]  
A068789 4.52514 [  $-(192*x^7-64*x^6-32*x^5+24*x^4+24*x^3-24*x^2+8*x-1)/(4*x-1)/(2*x-1)/(8*x^2-4*x+1)/(16*x^4+1)$  ogf]



A068790 5.19407 [  $-8*x^4*(24*x^3-40*x^2+20*x-5)/(4*x-1)/(2*x-1)/(8*x^2-4*x+1)/(16*x^4+1)$  ogf]  
A068824 6.77562  $2*(-8+3240*x^{11}+11*x+11250*x^9-4050*x^8-10440*x^{10})/(x-1)/(810*x^{11}-1710*x^{10}+900*x^9-11*x+9)$  lgdogf  
A068824 7.41134 [  $-(810*x^{11}-1710*x^{10}+900*x^9-11*x+9)/(x-1)^3$  ogf]  
A068836 3.58793 [  $-(8999991900*x^9+1011120102*x^8+111111030*x^7+110004*x^6+1012110*x^5+110400*x^4+1020*x^3+912*x^2+200*x+11)/(x-1)$  ogf]  
A068860 5.70286 [  $-(8*x^{10}+8*x^9-2*x^8-2*x^7-2*x^6-2*x^5-2*x^4-2*x^3-2*x^2-2*x-1)/(x-1)/(x+1)/(10*x^9-1)$  ogf]  
A068875 35.2961  $-1-x+(1+4*x)^{(1/2)}$  revogf  
A068875 4.26554 [  $\{(8*n^2+4*n)*a(n)+(2*n^2+10*n+12)*a(n+1)+(-n^2-5*n-6)*a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A068911 14.5842 [  $-(x+1)^2/(3*x^2-1)$  ogf]  
A068911 26.9386  $-2*(1+3*x)/(x+1)/(3*x^2-1)$  lgdogf  
A068911 8.50744 [  $\{a(n+3)-3*a(n+1), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A068912 15.2131  $-2*(-1-4*x-4*x^2+4*x^3+6*x^4)/(2*x+1)/(2*x^4-4*x^2+1)$  lgdogf  
A068912 16.7475 [  $(2*x+1)/(2*x^4-4*x^2+1)$  ogf]  
A068912 7.74175 [  $\{-a(n+4)+4*a(n+2)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$ , ogf]  
A068921 15.7898 [  $-(x^2+1)/(x^3+x-1)$  ogf]  
A068921 17.2443  $-(2+2*x+x^4+2*x^3+2*x^2)/(x^2+x+1)/(x^3+x-1)$  lgdogf  
A068921 8.23083 [  $\{a(n+3)-a(n+2)-a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A068922 15.2367 [  $(x^2-x-3)/(x^2+x-1)$  ogf]  
A068922 21.6097  $2*(2+2*x+x^2)/(x^2-x-3)/(x^2+x-1)$  lgdogf  
A068922 7.91711 [  $\{a(n+3)-a(n+2)-a(n+1), a(0) = 3, a(1) = 4, a(2) = 6\}$ , ogf]  
A068923 7.46319  $(4+8*x-x^6-2*x^5+4*x^{11}+6*x^2+4*x^3-x^4+8*x^8+6*x^7+3*x^{10}+8*x^9)/(x+1)/(2*x^6+x^5+x^4-x^2-3*x-1)/(x^5+x^3-1)$  lgdogf  
A068923 8.55172 [  $(x+1)*(2*x^6+x^5+x^4-x^2-3*x-1)/(x^5+x^3-1)$  ogf]  
A068924 10.5419 [  $(x^4+7*x^3+4*x^2-3*x-6)/(x^3+x^2-1)$  ogf]  
A068924 11.6037  $(3+4*x+x^6+2*x^5+3*x^4+2*x^3)/(x^3+x^2-1)/(x^4+7*x^3+4*x^2-3*x-6)$  lgdogf  
A068924 6.10760 [  $\{a(n+5)-a(n+3)-a(n+2), a(0) = 6, a(1) = 3, a(2) = 2, a(3) = 2, a(4) = 4\}$ , ogf]  
A068925 7.05088 [  $(2*x^{10}+6*x^9+11*x^8+6*x^7+7*x^6-x^5-2*x^4-3*x^3-6*x^2-9*x-1)/(x^2-x+1)/(x^5+x^4+x^3-x-1)$  ogf]  
A068927 7.15799 [  $-(x^{10}+2*x^8+2*x^6+x^4-1)/(x^3+x-1)/(x^6+x^2-1)$  ogf]  
A068928 7.42675  $(2-3*x^4-4*x^3+x^{10}+2*x^9+4*x^8+8*x^7+6*x^6-2*x^5-2*x^2)/(x^2+x-1)/(x^4+x^2-1)/(x^6-x^4-4*x^2+2)$  lgdogf  
A068928 8.17436 [  $(x^6-x^4-4*x^2+2)/(x^2+x-1)/(x^4+x^2-1)$  ogf]  
A068930 5.20756 [  $(x^{10}+5*x^9+4*x^8+3*x^7-x^6-2*x^5-6*x^4-5*x^3-3*x^2+2*x+4)/(x^3+x^2-1)/(x^6+x^4-1)$  ogf]  
A068962 7.83371 [  $(x^2+1)*(x^{12}-x^{10}+2*x^8+x^7-3*x^6+x^5+2*x^4-x^2+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf]  
A069005 7.70445 [  $-(x^4+2*x^3-2*x^2-5*x-1)/(x+1)/(x^3-3*x+1)$  ogf]  
A069005 8.02307  $-(7+10*x+x^6+2*x^5-5*x^4-10*x^3+2*x^2)/(x+1)/(x^3-3*x+1)/(x^4+2*x^3-2*x^2-5*x-1)$  lgdogf  
A069006 9.32528  $-(-2-6*x+4*x^5-8*x^4-4*x^3+15*x^2)/(x-1)/(x^5-x^4-4*x^3+3*x^2+3*x-1)$  lgdogf  
A069006 9.37674 [  $(x-1)/(x^5-x^4-4*x^3+3*x^2+3*x-1)$  ogf]  
A069007 6.02014  $-(-5-10*x+3*x^8-12*x^6+6*x^7+30*x^3+15*x^4-24*x^5)/(x^3+x^2-2*x-1)/(x^6+x^5-5*x^4-4*x^3+6*x^2+3*x-1)$  lgdogf  
A069007 6.60813 [  $(x^3+x^2-2*x-1)/(x^6+x^5-5*x^4-4*x^3+6*x^2+3*x-1)$  ogf]  
A069008 8.71453  $-(4+12*x-6*x^2-28*x^3-10*x^4+10*x^5+5*x^6)/(x+1)/(x^6+x^5-5*x^4-4*x^3+6*x^2+3*x-1)$  lgdogf  
A069008 9.44762 [  $-(x+1)/(x^6+x^5-5*x^4-4*x^3+6*x^2+3*x-1)$  ogf]  
A069009 8.58852  $-(3+12*x-12*x^2-20*x^3+5*x^4+6*x^5)/(6*x^2-1+3*x-5*x^4-4*x^3+x^6+x^5)$  lgdogf  
A069009 9.31000 [  $-1/(x^6+x^5-5*x^4-4*x^3+6*x^2+3*x-1)$  ogf]  
A069013 5.15531 [  $-(x+1)*(x^2-x+1)*(x^4-x^3+x^2-x+1)*(x^{12}-x^8+x^4-x-1)/$

$(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A069015 3.88111 [  $\{(-3^n n^2 - 18^n n - 27) * a(n+1) + (4^n n + 15) * a(n+2) - a(n+3), a(0) = 1, a(1) = 7, a(2) = 65\}$ , ogf]  
A069017 7.38147 [  $-(x^4 + 2x^3 - 16x^2 + 2x + 1)/(x-1)/(x^2 + 6x + 1)/(x^2 - 6x + 1)$  ogf]  
A069038 32.2944 [[10-4\*x] ogf\_with\_Euler\_transform]  
A069038 35.3148  $-2*(x+5)/(x-1)/(x+1)$  lgdogf  
A069038 5.30952 [  $\{(n+2)*a(n+3) - 10*a(n+2) + (-2-n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 10\}$ , ogf]  
A069038 6.63690 [  $x*(x+1)^4/(x-1)^6$  ogf]  
A069039 32.0022 [[12-5\*x] ogf\_with\_Euler\_transform]  
A069039 35.0267  $-2*(x+6)/(x-1)/(x+1)$  lgdogf  
A069039 5.26545 [  $\{(n+2)*a(n+3) - 12*a(n+2) + (-2-n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 12\}$ , ogf]  
A069039 5.59713 [  $-x*(x+1)^5/(x-1)^7$  ogf]  
A069040 8.10918  $(5 - 34x^{18} + 9x^{19} + x^{20} + 9x^{21} + 72x^{17} - 102x^{19} + 30x^{20} + 34x^{21})/(x-1)/(x+1)/(2x^{20} + 2x^{19} - 4x^{18} - x^2 - 4x - 1)$  lgdogf  
A069040 9.67753 [  $-(2x^{20} + 2x^{19} - 4x^{18} - x^2 - 4x - 1)/(x+1)/(x-1)^2$  ogf]  
A069071 5.60820 [  $5*(x+1)*(x^4 + 44x^3 + 294x^2 + 44x + 1)/(x-1)^6$  ogf]  
A069071 8.38961  $-(51 + 901x + x^5 + 1194x^3 + 95x^4 + 2366x^2)/(x-1)/(x+1)/(x^4 + 44x^3 + 294x^2 + 44x + 1)$  lgdogf  
A069072 10.5137 [  $6*(x^2 + 6x + 1)/(x-1)^4$  ogf]  
A069072 21.8708  $-2*(5 + 10x + x^2)/(x-1)/(x^2 + 6x + 1)$  lgdogf  
A069072 3.64335 [  $\{(n+4)*a(n+4) + (5+5^n)*a(n+3) + (-30-5^n)*a(n+2) + (-3-n)*a(n+1), a(0) = 6, a(1) = 60, a(2) = 210, a(3) = 504\}$ , ogf]  
A069073 5.93251 [  $3*x*(3*x^4 + 132*x^3 + 370*x^2 + 132*x + 3)/(x-1)^6$  ogf]  
A069073 9.21029  $-2*(75 + 700x + 3x^4 + 204x^3 + 938x^2)/(x-1)/(3x^4 + 132x^3 + 370x^2 + 132x + 3)$  lgdogf  
A069074 11.9076 [  $24*(x+1)/(x-1)^4$  ogf]  
A069074 35.4315 [[5-x] ogf\_with\_Euler\_transform]  
A069074 36.7979  $-(5+3*x)/(x-1)/(x+1)$  lgdogf  
A069074 5.39697 [  $\{(-n-3)*a(n+3) + 5*a(n+2) + (4+n)*a(n+1), a(0) = 24, a(1) = 120, a(2) = 336\}$ , ogf]  
A069075 7.07724 [  $-(9*x^4 + 180*x^3 + 190*x^2 + 4*x + 1)/(x-1)^5$  ogf]  
A069075 9.81489  $-3*(3 + 132x + 370x^2 + 132x^3 + 3x^4)/(x-1)/(9*x^4 + 180*x^3 + 190*x^2 + 4*x + 1)$  lgdogf  
A069076 4.28482 [  $(x^6 - 34x^5 - 3165x^4 - 19852x^3 - 19817x^2 - 3186x - 27)/(x-1)^7$  ogf]  
A069078 10.0991  $-2*(13 + 104x + x^4 + 32x^3 + 138x^2)/(x-1)/(x^4 + 20x^3 + 54x^2 + 20x + 1)$  lgdogf  
A069078 5.84596 [  $5*x*(x^4 + 20x^3 + 54x^2 + 20x + 1)/(x-1)^6$  ogf]  
A069079 17.5272  $-3*(21 + 54x + 5x^2)/(x-1)/(5x^2 + 38x + 5)$  lgdogf  
A069079 8.39796 [  $-8*(5x^2 + 38x + 5)/(x-1)^5$  ogf]  
A069080 13.0245  $-2*(36 + 59x + 3x^3 - 18x^2)/(x-1)/(3x^3 - 15x^2 + 37x + 7)$  lgdogf  
A069080 3.85899 [  $\{(-314n^2 - 2707n - 5295)*a(n+1) + (468n^2 + 2844n + 3888)*a(n+2) + (-154n^2 - 777n - 945)*a(n+3), a(0) = 84, a(1) = 864, a(2) = 3300\}$ , ogf]  
A069080 8.38189 [  $-12*(3x^3 - 15x^2 + 37x + 7)/(x-1)^5$  ogf]  
A069099 13.1178 [  $-(x^2 + 5x + 1)/(x-1)^3$  ogf]  
A069099 25.3184  $-(8 + 12x + x^2)/(x-1)/(x^2 + 5x + 1)$  lgdogf  
A069099 7.08129 [  $\{a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = 1, a(1) = 8, a(2) = 22\}$ , ogf]  
A069121 9.56943  $-12*(4 + 47x + 4x^3 + 62x^2)/(-1+4x)/(8x^3 + 72x^2 + 30x + 1)$  lgdogf  
A069125 13.2297 [  $-(x^2 + 9x + 1)/(x-1)^3$  ogf]  
A069125 23.9935  $-(12 + 20x + x^2)/(-1+x)/(x^2 + 9x + 1)$  lgdogf  
A069125 7.07905 [  $\{a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = 1, a(1) = 12, a(2) = 34\}$ , ogf]  
A069126 11.9967 [  $-(x^2 + 11x + 1)/(x-1)^3$  ogf]  
A069126 22.0862  $-(14 + 24x + x^2)/(x-1)/(x^2 + 11x + 1)$  lgdogf  
A069126 6.52453 [  $\{a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = 1, a(1) = 14, a(2) = 40\}$ , ogf]  
A069127 12.9395 [  $-(x^2 + 12x + 1)/(x-1)^3$  ogf]  
A069127 23.8519  $-(15 + 26x + x^2)/(x-1)/(x^2 + 12x + 1)$  lgdogf

A069127 7.03726 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 15, a(2) = 43\}$ , ogf]  
A069128 13.8943 [ $-(x^2+13x+1)/(x-1)^3$  ogf]  
A069128 23.9665 [ $-(16+28x+x^2)/(x-1)/(x^2+13x+1)$  lgdogf]  
A069128 7.55653 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 16, a(2) = 46\}$ , ogf]  
A069129 12.7395 [ $-(x^2+14x+1)/(x-1)^3$  ogf]  
A069129 23.4790 [ $-(17+30x+x^2)/(x-1)/(x^2+14x+1)$  lgdogf]  
A069129 6.92853 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 17, a(2) = 49\}$ , ogf]  
A069130 12.8609 [ $-(x^2+15x+1)/(x-1)^3$  ogf]  
A069130 23.7070 [ $-(18+32x+x^2)/(x-1)/(x^2+15x+1)$  lgdogf]  
A069130 6.99451 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 18, a(2) = 52\}$ , ogf]  
A069131 12.9215 [ $-(x^2+16x+1)/(x-1)^3$  ogf]  
A069131 23.8209 [ $-(19+34x+x^2)/(x-1)/(x^2+16x+1)$  lgdogf]  
A069131 7.02751 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 19, a(2) = 55\}$ , ogf]  
A069132 13.0429 [ $-(x^2+17x+1)/(x-1)^3$  ogf]  
A069132 24.0489 [ $-(20+36x+x^2)/(x-1)/(x^2+17x+1)$  lgdogf]  
A069132 7.09349 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 20, a(2) = 58\}$ , ogf]  
A069133 13.0429 [ $-(x^2+18x+1)/(x-1)^3$  ogf]  
A069133 24.0489 [ $-(21+38x+x^2)/(x-1)/(x^2+18x+1)$  lgdogf]  
A069133 7.09349 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 21, a(2) = 61\}$ , ogf]  
A069134 3.24704 [ $\{(-n^3-6n^2-12n-8)a(n+1)+(-n^3-10n^2-33n-40)a(n+2)+(n+2)a(n+3), a(0) = 0, a(1) = 9, a(2) = 144\}$ , ogf]  
A069135 4.24310 [ $\{(-n^3-8n^2-21n-18)a(n+1)+a(n+2), a(0) = 1, a(1) = 4\}$ , egf]  
A069140 19.2021 [ $-2*(x+7)*(5x+3)/(x-1)/(5x^2+22x+5)$  lgdogf]  
A069140 3.49939 [ $\{(15+5n)a(n+4)+(-8+17n)a(n+3)+(-93-17n)a(n+2)+(-10-5n)a(n+1), a(0) = 0, a(1) = 60, a(2) = 504, a(3) = 1716\}$ , ogf]  
A069140 9.36200 [ $12x*(5x^2+22x+5)/(x-1)^4$  ogf]  
A069173 13.5048 [ $-(23+42x+x^2)/(-1+x)/(x^2+20x+1)$  lgdogf]  
A069173 4.14708 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 23, a(2) = 67\}$ , ogf]  
A069173 7.62527 [ $-(x^2+20x+1)/(x-1)^3$  ogf]  
A069174 13.7048 [ $-(24+44x+x^2)/(-1+x)/(x^2+21x+1)$  lgdogf]  
A069174 4.20675 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 24, a(2) = 70\}$ , ogf]  
A069174 7.73498 [ $-(x^2+21x+1)/(x-1)^3$  ogf]  
A069178 13.1035 [ $-(x^2+19x+1)/(x-1)^3$  ogf]  
A069178 23.4522 [ $-(22+40x+x^2)/(-1+x)/(x^2+19x+1)$  lgdogf]  
A069178 7.12648 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 22, a(2) = 64\}$ , ogf]  
A069181 12.2330 [ $(7+12x+30x^2+10x^3+24x^4+15x^5)/(6x^2+9+7x+6x^4+5x^3+5x^6+2x^5)$  lgdogf]  
A069183 12.7316 [ $-(1+5x+4x^2+5x^3+x^4+14x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf]  
A069183 24.6576 [ $x^5+x^2+2x+1$  ogf\_with\_Euler\_transform]  
A069183 6.49064 [ $-1/(x^2-x+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^5$  ogf]  
A069190 13.2855 [ $-(x^2+22x+1)/(x-1)^3$  ogf]  
A069190 23.7841 [ $-(25+46x+x^2)/(-1+x)/(x^2+22x+1)$  lgdogf]  
A069190 7.22546 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 25, a(2) = 73\}$ , ogf]  
A069195 12.3757 [ $-(19x^6+19x^5+6x^4+20x^3+23x^2+20x+13)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A069214 4.72306 [ $(7x^60-14x^59-5x^58+90x^8-60x^7-105x^6+90x^5+90x^4+50x^3+50x^2+20x+25)/(4x^60-2x^59-x^58+30x^8-45x^6+5x^4+5x^2+5)$  ogf]  
A069229 12.1597 [ $-2*(-5+18x+12x^3-24x^2)/(x-1)/(2x-1)/(3+6x^2-8x)$  lgdogf]

A069229 3.76681 [  $\{(2^n+10n+12)a(n+1)+(-3n^2-12n-9)a(n+2)+(n^2+3n+2)a(n+3), a(0) = 0, a(1) = 3, a(2) = 10\}$ , ogf]  
A069229 8.88967 [  $x^*(6x^2-8x+3)/(2x-1)^2/(x-1)^2$  ogf]  
A069241 10.5597 [  $-(2x^4+5x^3-6x^2+2x-1)*(x^2-x+1)/(x-1)/(x^3+x^2-2x+1)/(x^3+x-1)$  lgdogf]  
A069241 9.48053 [  $-(x^3+x^2-2x+1)/(x^3+x-1)/(x-1)^2$  ogf]  
A069271 22.5520  $1/2*(1-2x+(1-4x)^{1/2})*x$  revogf  
A069271 4.03300 [  $\{(256n^3+1408n^2+2544n+1512)a(n+1)+(-27n^3-189n^2-438n-336)a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A069294 6.00666 [  $-(55-394x+224x^5-446x^4-284x^3+128x^6+770x^2)/(8x-1)/(2x^3+2x^2-4x+1)/(8x^3+7x^2-17x+6)$  lgdogf]  
A069294 7.20522 [  $-2*(8x^3+7x^2-17x+6)/(8x-1)/(2x^3+2x^2-4x+1)$  ogf]  
A069306 10.9818 [  $\{-a(n+2)+2a(n+1)+a(n), a(0) = 5, a(1) = 12\}$ , ogf]  
A069306 20.2553 [  $-(2x+5)/(x^2+2x-1)$  ogf]  
A069306 7.80277  $1/2/(2x)*(-5-2x+(25+28x+8x^2)^{1/2})$  revogf  
A069306 9.17972  $-2*(x+3)*(x+2)/(2x+5)/(x^2+2x-1)$  lgdogf  
A069307 6.02272 [  $-(8x^4-14x^3+37x-21)/(2x^5-4x^4+x^3+9x^2-7x+1)$  ogf]  
A069325 5.58152 [  $-(x^3-x+1)/(2x^2+2x-1)/(2x^5-4x^4+x^3+9x^2-7x+1)$  ogf]  
A069361 13.1567 [  $-(2x+1)/(8x-1)/(2x^2-7x+1)$  ogf]  
A069361 13.1745 [  $-(17-116x-68x^2+64x^3)/(2x+1)/(8x-1)/(2x^2-7x+1)$  lgdogf]  
A069361 6.24385 [  $\{a(n+3)-15a(n+2)+58a(n+1)-16a(n), a(0) = 1, a(1) = 17, a(2) = 197\}$ , ogf]  
A069362 6.88325 [  $-(8x^3+16x^2-6x-1)/(16x-1)/(8x^4+80x^3-74x^2+19x-1)$  ogf]  
A069378 5.35637 [  $-(2x^4-2x^3-x^2+12x-7)/(2x^5-4x^4+x^3+9x^2-7x+1)$  ogf]  
A069396 6.10919 [  $-(25-346x+1272x^2-464x^3-992x^4+384x^5)/(2x+1)/(8x-1)/(2x^2-7x+1)/(4x^2-6x+1)$  lgdogf]  
A069396 6.46082 [  $-(2x+1)^2/(8x-1)/(2x^2-7x+1)/(4x^2-6x+1)$  ogf]  
A069403 12.1059 [  $-(3-6x+3x^2-2x^3+x^4)/(x-1)/(x^2-3x+1)/(x^2-x+1)$  lgdogf]  
A069403 12.1996 [  $-(x^2-x+1)/(x-1)/(x^2-3x+1)$  ogf]  
A069403 6.64440 [  $\{a(n+3)-4a(n+2)+4a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A069417 2.73511 [  $(2x+1)/(2x^2-7x+1)/(4x^2-6x+1)$  ogf]  
A069429 11.3968 [  $-1/4*(-3-6x+(10x+9)*(1+2x)^{1/2})/(1+2x)$  revogf]  
A069429 11.9164 [  $-(2x-3)/(4x^2-6x+1)$  ogf]  
A069429 14.5626 [  $-8*(x-1)*(x-2)/(2x-3)/(4x^2-6x+1)$  lgdogf]  
A069429 6.46067 [  $\{-a(n+2)+6a(n+1)-4a(n), a(0) = 3, a(1) = 16\}$ , ogf]  
A069430 4.64817 [  $-(8x^4+40x^3-88x^2+45x-7)/(16x^5+80x^4-180x^3+98x^2-19x+1)$  ogf]  
A069440 5.97067 [  $-(8-24x-11x^2+22x^3+15x^4+8x^5)/(x-1)/(4x-1)/(x^2+x+1)/(x^2+2x-1)$  lgdogf]  
A069440 6.30951 [  $-2*(x^2+x+1)/(x-1)/(4x-1)/(x^2+2x-1)$  ogf]  
A069473 6.73039 [  $-2*(x^4+26x^3+156x^2+146x+31)/(x-1)^5$  ogf]  
A069473 8.54316 [  $-(1351+56x+546x^2-184x^3+31x^4)/(x-1)/(31x^4-154x^3+336x^2-154x+301)$  lgdogf]  
A069474 12.3229 [  $-(91+77x-43x^2+9x^3)/(x-1)/(9x^3-35x^2+49x-35)$  lgdogf]  
A069474 3.54087 [  $\{(11n^2+61n+78)a(n+1)+(8n^2+151n+375)a(n+2)+(-19n^2-122n-195)a(n+3), a(0) = 540, a(1) = 2100, a(2) = 5460\}$ , ogf]  
A069474 8.27625 [  $-60*(x^3-5x^2+x-9)/(x-1)^4$  ogf]  
A069475 10.8949 [  $-120*(4x^2-11x+13)/(x-1)^3$  ogf]  
A069475 17.8486 [  $-(49-44x+13x^2)/(x-1)/(13x^2-35x+28)$  lgdogf]  
A069475 6.21281 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1560, a(1) = 3360, a(2) = 5880\}$ , ogf]  
A069476 14.5449 [  $-360*(3x-5)/(x-1)^2$  ogf]  
A069476 17.5990 [  $-(1260-x+12*(11025+5x)^{1/2})/(1800+x)$  revogf]  
A069476 30.6069 [  $-(9+5x)/(x-1)/(5x-7)$  lgdogf]  
A069476 8.42942 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 1800, a(1) = 2520\}$ , ogf]  
A069477 12.2483 [  $-30*(5x^2-14x+13)/(x-1)^3$  ogf]  
A069477 21.2101 [  $-(25-18x+5x^2)/(x-1)/(5x^2-14x+13)$  lgdogf]  
A069477 6.89611 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 390, a(1) = 750, a(2) = 1230\}$ , ogf]

A069478 15.7898 [  $-120*(2*x-3)/(x-1)^2$  ogf]  
A069478 20.5067  $-(-180-x+2*(8100+30*x)^(1/2))/(240+x)$  revogf  
A069478 32.9890  $-2*(-2+x)/(x-1)/(2*x-3)$  lgdogf  
A069478 8.99649 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 360, a(1) = 480\}$ , ogf]  
A069480 11.4730 [  $(x^4-2*x^2-2*x+1)/(x^2+1)^3$  ogf]  
A069480 17.9559  $-2*(1+5*x+x^5-5*x^2-6*x^3)/(1+x^2)/(x^4-2*x^2-2*x+1)$  lgdogf  
A069497 10.2926  $-(6-2*x+3*x^6+12*x^5+5*x^2+26*x^3-14*x^4)/(x-1)/(x^2+4*x+1)/(x^2-x+1)/(x^2+1)$  lgdogf  
A069497 6.93116 [  $-6*x*(x^2+4*x+1)*(x^2-x+1)/(x^2+1)^2/(x-1)^3$  ogf]  
A069498 5.86056  $-(12+26*x+47*x^7+31*x^6+75*x^5+3*x^9+45*x^8+25*x^2+57*x^3+159*x^4)/(x-1)/(x+1)/(x^2+1)/(x^6+11*x^5+7*x^4+2*x^3+7*x^2+11*x+1)$  lgdogf  
A069498 6.04734 [  $-10*x*(x^6+11*x^5+7*x^4+2*x^3+7*x^2+11*x+1)/(x+1)^2/(x^2+1)^2/(x-1)^3$  ogf]  
A069499 6.14733  $-(5+15*x+30*x^7+16*x^6+51*x^5+3*x^9+17*x^8+13*x^2+39*x^3+63*x^4)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)/(x^4+5*x^3+9*x^2+5*x+1)$  lgdogf  
A069499 6.27152 [  $-21*(x^2-x+1)*(x^4+5*x^3+9*x^2+5*x+1)/(x+1)^2/(x^2+1)^2/(x-1)^3$  ogf]  
A069505 5.58427  $(3-52*x+3300*x^6-6060*x^5+181*x^2+306*x^3+2313*x^4)/(x-1)/(10*x-1)/(110*x^5-61*x^4-25*x^3-16*x^2-8*x+1)$  lgdogf  
A069505 6.99004 [  $(110*x^5-61*x^4-25*x^3-16*x^2-8*x+1)/(10*x-1)/(x-1)$  ogf]  
A069506 4.80018 [  $\{-a(n+4)+11*a(n+3)-10*a(n+2), a(0) = 2, a(1) = 5, a(2) = 11, a(3) = 111\}$ , ogf]  
A069506 7.99205  $(5-88*x+554*x^2-880*x^3+400*x^4)/(x-1)/(10*x-1)/(40*x^3-24*x^2-17*x+2)$  lgdogf  
A069506 8.65486 [  $(40*x^3-24*x^2-17*x+2)/(10*x-1)/(x-1)$  ogf]  
A069507 6.14773  $(9-88*x+8800*x^5-818*x^2+10648*x^3-18560*x^4)/(x-1)/(10*x-1)/(440*x^4-404*x^3-4*x^2-35*x+4)$  lgdogf  
A069507 7.51607 [  $(440*x^4-404*x^3-4*x^2-35*x+4)/(10*x-1)/(x-1)$  ogf]  
A069508 4.54878 [  $\{-a(n+4)+11*a(n+3)-10*a(n+2), a(0) = 6, a(1) = 55, a(2) = 111, a(3) = 1111\}$ , ogf]  
A069508 7.05701  $(55-988*x+6204*x^2-9680*x^3+4400*x^4)/(x-1)/(10*x-1)/(440*x^3-434*x^2-11*x+6)$  lgdogf  
A069508 8.16104 [  $(440*x^3-434*x^2-11*x+6)/(10*x-1)/(x-1)$  ogf]  
A069510 5.05735 [  $(440*x^11-404*x^10+36*x^9-9*x^8-9*x^7-9*x^6-9*x^5-9*x^4-9*x^3-9*x^2-9*x+1)/(10*x-1)/(x-1)$  ogf]  
A069515 10.2568 [  $3*(x-1)*x/(3*x-1)^3$  ogf]  
A069515 23.8297  $-2*(-4+3*x)/(3*x-1)/(x-1)$  lgdogf  
A069515 5.30833 [  $\{a(n+3)-9*a(n+2)+27*a(n+1)-27*a(n), a(0) = 0, a(1) = 3, a(2) = 24\}$ , ogf]  
A069532 4.20697 [  $2*(45*x^16-45*x^15+45*x^14-45*x^13+45*x^12-45*x^11+45*x^10-45*x^9+5*x^8-4*x^7+5*x^6-4*x^5+5*x^4-4*x^3+5*x^2-4*x+5)/(x-1)/(10*x^9-1)$  ogf]  
A069534 4.79140 [  $5*(72*x^13-18*x^12-18*x^11-18*x^10-18*x^9+2*x^8+2*x^7+2*x^6+2*x^5-7*x^4+2*x^3+2*x^2+2*x+2)/(x-1)/(10*x^9-1)$  ogf]  
A069697 3.81283 [  $3/2+3/2*(64*x^12+1)^(1/2)$  ogf\_with\_Euler\_transform]  
A069700 3.59822 [  $3/2+1/2*(1020*x^12+9)^(1/2)$  ogf\_with\_Euler\_transform]  
A069705 13.0433 [  $\{a(n+3)-a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A069705 17.3692  $-(2+8*x+4*x^4+4*x^3+3*x^2)/(x-1)/(1+x^2+x)/(4*x^2+2*x+1)$  lgdogf  
A069705 20.2305 [  $-(4*x^2+2*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A069720 30.2726  $x*(1+2*x)/(1+4*x)^2$  revogf  
A069720 7.64462 [  $\{(-8*n-20)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 6\}$ , ogf]  
A069721 6.35069 [  $\{(-8*n^2-4*n)*a(n)+(n^2+n-2)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 4\}$ , ogf]  
A069722 29.6420  $1/8*x*(2+x)/(1+x)^2$  revogf  
A069722 6.02299 [  $\{(-8*n-4)*a(n)+(n+1)*a(n+1), a(0) = 0, a(1) = 4\}$ , ogf]  
A069723 6.46960 [  $\{(-8*n-4)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 2\}$ , ogf]  
A069726 3.94660 [  $\{(243*n^3+243*n^2+54*n)*a(n)+(-93*n^3-447*n^2-702*n-360)*a(n$

+1)+(4\*n^3+30\*n^2+74\*n+60)\*a(n+2), a(0) = 1, a(1) = 1}], ogf]  
A069731 16.3907  $1/2*(-1+(1+4*x)^{(1/2)})/(1+4*x)$  revogf  
A069731 4.79523 [ {(-8\*n-28)\*a(n+1)+(n+5)\*a(n+2), a(0) = 1, a(1) = 5}], ogf]  
A069736 11.1106  $-2+3*x+(1+12*x^2-8*x)*f(x)+(-8*x^2+12*x^3+x)*f(x)^2$  lgdegf  
A069736 3.17569 [ {(12\*n^3+72\*n^2+141\*n+90)\*a(n+1)+(-8\*n^2-44\*n-60)\*a(n+2)+(n+4)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 13}], ogf]  
A069745 17.6717 [x\*(x^6+x^5+x^4+x+1) ogf\_with\_Euler\_transform]  
A069745 5.17385 [  $-1/(x^2+1)/(x^2-x+1)/(x^4+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^5$  ogf]  
A069746 6.26869 [  $-(111*x^9-11*x^8-90*x^7-9*x^6-x^5-x^4-9*x^3-90*x^2-11*x-1000)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A069755 6.70003 [  $(x^6-3*x^4+9*x^2+12*x+17)/(x+1)^3/(x-1)^4$  ogf]  
A069755 8.78372  $-(29+149*x+33*x^3+81*x^2-3*x^4-3*x^5+x^6+x^7)/(x-1)/(x+1)/(x^6-3*x^4+9*x^2+12*x+17)$  lgdogf  
A069756 13.4858  $-(-119-4*x-4*x^3+6*x^2+x^4)/(x-1)/(x^4-4*x^3+6*x^2-4*x-23)$  lgdogf  
A069756 5.13805 [ {(n+6)\*a(n+1)+(-2\*n-9)\*a(n+2)+(n+3)\*a(n+3), a(0) = 23, a(1) = 119, a(2) = 359}], ogf]  
A069756 8.29581 [  $(x^4-4*x^3+6*x^2-4*x-23)/(x-1)^5$  ogf]  
A069759 5.89091 [  $(x^4-4*x^3+6*x^2-112*x-107)/(x-1)^5$  ogf]  
A069759 9.05028  $-(-647-436*x-4*x^3+6*x^2+x^4)/(x-1)/(x^4-4*x^3+6*x^2-112*x-107)$  lgdogf  
A069760 5.67648 [  $(x^4-4*x^3+6*x^2-52*x-47)/(x-1)^5$  ogf]  
A069760 8.81289  $-(-287-196*x-4*x^3+6*x^2+x^4)/(x-1)/(x^4-4*x^3+6*x^2-52*x-47)$  lgdogf  
A069763 4.76958 [  $(x^6-6*x^5+13*x^4-24*x^3-153*x^2-370*x-181)/(x-1)^7$  ogf]  
A069763 6.67247  $-(-1637-2526*x-44*x^3-837*x^2+9*x^4-6*x^5+x^6)/(x-1)/(x^6-6*x^5+13*x^4-24*x^3-153*x^2-370*x-181)$  lgdogf  
A069764 5.22452 [  $(x^6-6*x^5+13*x^4-20*x^3-69*x^2-150*x-89)/(x-1)^7$  ogf]  
A069764 7.44222  $-(-773-1038*x-28*x^3-405*x^2+9*x^4-6*x^5+x^6)/(x-1)/(x^6-6*x^5+13*x^4-20*x^3-69*x^2-150*x-89)$  lgdogf  
A069778 11.8089 [  $(3*x^2+2*x+1)/(x-1)^4$  ogf]  
A069778 26.6620  $-6*(x+1)^2/(x-1)/(3*x^2+2*x+1)$  lgdogf  
A069778 4.09453 [ {(-n-4)\*a(n+4)+(3-n)\*a(n+3)+(10-n)\*a(n+2)+(9+3\*n)\*a(n+1), a(0) = 1, a(1) = 6, a(2) = 21, a(3) = 52}], ogf]  
A069779 6.27509 [  $-(15*x^5+175*x^4+344*x^3+168*x^2+17*x+1)/(x-1)^7$  ogf]  
A069779 9.14806  $-6*(4+73*x+346*x^3+5*x^5+100*x^4+312*x^2)/(x-1)/(15*x^5+175*x^4+344*x^3+168*x^2+17*x+1)$  lgdogf  
A069782 10.3787 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 2}], ogf]  
A069782 104.265  $-2/(x-1)$  lgdogf  
A069782 25.7896 [  $1/(x-1)^2$  ogf]  
A069782 36.2661  $4*x/(1+(1+4*x)^{(1/2)})^2$  revogf  
A069792 6.68537  $27+(-27+27*x)*f(x)+(9+9*x^2-18*x)*f(x)^2+(3*x-3*x^2+x^3-1)*f(x)^3$  lgdogf  
A069813 8.69694  $-2*(-1-3*x-6*x^3+x^7-2*x^4-7*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x-1)/(x^2+1)$  lgdogf  
A069813 9.70332 [  $(x^2+1)*(x^2-x-1)/(x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A069816 6.49888 [  $2*x^{11}*(9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)^2/(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x^4-x^3+x^2-x+1)^2$  ogf]  
A069835 17.7678  $-(-4*x+(12*x^2+1)^{(1/2)})*x/(2*x-1)/(2*x+1)$  revogf  
A069835 33.9203  $-4*(x-1)/(4*x^2+1-8*x)$  lgdogf  
A069835 4.99203 [ {(-n-3)\*a(n+3)+(20+8\*n)\*a(n+2)+(-8-4\*n)\*a(n+1), a(0) = 1, a(1) = 4, a(2) = 22}], ogf]  
A069871 6.47129  $(9+22*x-40*x^3+600*x^8-1320*x^6+756*x^4-99*x^2)/(x-1)/(3*x+1)/(x+1)/(10*x^2-1)/(20*x^4-22*x^2+3)$  lgdogf  
A069882 5.59304  $2*(1-19*x+81*x^3+1000*x^7-1510*x^6+258*x^5+81*x^4+81*x^2)/(x-1)/(10*x-1)/(50*x^6-9*x^5-9*x^4-9*x^3-9*x^2-9*x+1)$  lgdogf  
A069882 7.19738 [  $(50*x^6-9*x^5-9*x^4-9*x^3-9*x^2-9*x+1)/(10*x-1)/(x-1)$  ogf]  
A069894 11.3218  $1/3*(2*HeunG(4/9, 1/4, -1/6, 1/6, 1/2, -1, -3*x)*(27*x+4)^{(1/2)}-4+3*x)/(2+x)$  revogf  
A069894 13.2433 [  $-2*(x+1)^2/(x-1)^3$  ogf]

A069894 38.2479 [[5-2\*x] ogf\_with\_Euler\_transform]  
A069894 44.0294 -(5+x)/(x-1)/(x+1) lgdogf  
A069894 7.08634 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 2, a(1) = 10, a(2) = 26}, ogf]  
A069905 14.6446 [-x^3/(x^2+x+1)/(x+1)/(x-1)^3 ogf]  
A069905 20.2078 -(2\*x+1)\*(3\*x^2+2\*x+1)/(x-1)/(x+1)/(x^2+x+1) lgdogf  
A069905 30.6897 [[x^2+x+1] ogf\_with\_Euler\_transform]  
A069906 12.9377 [-x^10+x^7+x^5+x^4+x^3+x+1 ogf\_with\_Euler\_transform]  
A069908 7.27888 [(2\*x^8+x^7+x^6+x^5+6\*x^4+x^3+x^2+x+2)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2 ogf]  
A069909 7.85543 [(x+1)\*(x^4+x^3-2\*x^2+x+1)/(x^4+1)/(x-1)^2 ogf]  
A069909 8.82903 -(4-3\*x^6+9\*x^5+x^4+5\*x^8-3\*x^7+5\*x^3+x^9-3\*x^2)/(x-1)/(x+1)/(x^4+x^3-2\*x^2+x+1)/(x^4+1) lgdogf  
A069921 12.2548 [-(2\*x^2-3\*x-1)/(x+1)/(x^2-3\*x+1) ogf]  
A069921 13.5939 -(5+2\*x^4-6\*x^3+7\*x^2)/(x+1)/(x^2-3\*x+1)/(2\*x^2-3\*x-1) lgdogf  
A069921 6.61541 [{-a(n+3)+2\*a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 10}, ogf]  
A069926 19.0721 (-1-5\*x^4-27\*x^26+4\*x^5+26\*x^27)/(x-1)/(x^27+x^5+1) lgdogf  
A069926 19.8259 [-(x^27+x^5+1)/(x-1) ogf]  
A069951 7.76722 [-(x^9-2\*x^8-18\*x^7-8\*x^6+x^5-x^4-7\*x^3-18\*x^2-x-1)/(x-1)^2/(x^4+x^3+x^2+x+1)^2 ogf]  
A069957 19.0207 [x^4+2\*x^3+x^2+2\*x+2 ogf\_with\_Euler\_transform]  
A069957 6.26783 -(2+10\*x+48\*x^3+23\*x^2+72\*x^4+22\*x^9+92\*x^5+89\*x^6+76\*x^7+46\*x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1) lgdogf  
A069959 10.5579 -(5-4\*x-6\*x^3+11\*x^2+4\*x^4)/(x-1)/(4\*x+1)/(x+1)/(x^2-3\*x+1) lgdogf  
A069959 12.9915 [-(4\*x+1)\*(x-1)/(x+1)/(x^2-3\*x+1) ogf]  
A069959 7.07571 [{a(n+3)-2\*a(n+2)-2\*a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 8}, ogf]  
A069960 10.4723 -(10-14\*x-16\*x^3+31\*x^2+9\*x^4)/(x-1)/(9\*x+1)/(x+1)/(x^2-3\*x+1) lgdogf  
A069960 12.5860 [-(9\*x+1)\*(x-1)/(x+1)/(x^2-3\*x+1) ogf]  
A069960 6.73460 [{a(n+3)-2\*a(n+2)-2\*a(n+1)+a(n), a(0) = 1, a(1) = 10, a(2) = 13}, ogf]  
A069961 12.5071 [-(16\*x+1)\*(x-1)/(x+1)/(x^2-3\*x+1) ogf]  
A069961 6.91182 [{a(n+3)-2\*a(n+2)-2\*a(n+1)+a(n), a(0) = 1, a(1) = 17, a(2) = 20}, ogf]  
A069961 9.67248 -(17-28\*x-30\*x^3+59\*x^2+16\*x^4)/(x-1)/(16\*x+1)/(x+1)/(x^2-3\*x+1) lgdogf  
A069962 11.9007 [-(25\*x+1)\*(x-1)/(x+1)/(x^2-3\*x+1) ogf]  
A069962 6.57671 [{-a(n+3)+2\*a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 26, a(2) = 29}, ogf]  
A069962 9.87612 -(26-46\*x-48\*x^3+95\*x^2+25\*x^4)/(x-1)/(25\*x+1)/(x+1)/(x^2-3\*x+1) lgdogf  
A069963 12.0065 [-(36\*x+1)\*(x-1)/(x+1)/(x^2-3\*x+1) ogf]  
A069963 6.63517 [{-a(n+3)+2\*a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 37, a(2) = 40}, ogf]  
A069963 9.06239 -(37-68\*x-70\*x^3+139\*x^2+36\*x^4)/(x-1)/(36\*x+1)/(x+1)/(x^2-3\*x+1) lgdogf  
A069975 18.9001 -2\*(x+7)\*(5\*x+3)/(x-1)/(5\*x^2+22\*x+5) lgdogf  
A069975 9.90678 [3\*(5\*x^2+22\*x+5)/(x-1)^4 ogf]  
A069981 16.5163 -3\*(-1-x+2\*x^3-2\*x^2)/(x-1)/(x+1)/(2\*x^2-2\*x-1) lgdogf  
A069981 4.12862 [{(-n^3-5\*n^2+8\*n)\*a(n)+(-n^2+3\*n+4)\*a(n+1)+(n^3+2\*n^2-15\*n+12)\*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1}, ogf]  
A069981 9.18011 [x^3\*(2\*x^2-2\*x-1)/(x+1)^2/(x-1)^3 ogf]  
A069982 12.1185 -4\*(-1-4\*x-3\*x^3-3\*x^2+3\*x^4)/(x-1)/(x+1)/(3\*x^3-3\*x^2-3\*x-1) lgdogf  
A069982 6.78192 [-x^4\*(3\*x^3-3\*x^2-3\*x-1)/(x+1)^3/(x-1)^4 ogf]  
A069983 5.36763 [x^5\*(4\*x^4-4\*x^3-6\*x^2-4\*x-1)/(x+1)^4/(x-1)^5 ogf]  
A069983 9.69774 -5\*(-1-5\*x-6\*x^3-10\*x^2-4\*x^4+4\*x^5)/(x-1)/(x+1)/

$(4x^4-4x^3-6x^2-4x-1)$  lgdogf  
A069984 13.5381  $-1/2*(-1123-2x+(1261129+85840x)^{1/2})/(-20337+x)$  revogf  
A069984 13.5394  $[(20337x+1123)/(x-1)^2$  ogf]  
A069984 18.6606  $-(22583+20337x)/(20337x+1123)/(x-1)$  lgdogf  
A069984 7.91065  $[{-a(n+2)+2a(n+1)-a(n), a(0) = 1123, a(1) = 22583},$  ogf]  
A069993 11.2942  $-(-27+55x+16x^3-8x^2)/(x-1)/(4x-1)/(4x^2-3x+5)$  lgdogf  
A069993 5.21445  $[{a(n+3)-6a(n+2)+9a(n+1)-4a(n), a(0) = 5, a(1) = 27, a(2) = 121},$  ogf]  
A069993 9.83052  $[-(4x^2-3x+5)/(4x-1)/(x-1)^2$  ogf]  
A069996 11.6298  $[-(3x+1)/(3x-1)^3$  ogf]  
A069996 23.2259  $-6*(2+3x)/(-1+3x)/(3x+1)$  lgdogf  
A069996 5.51414  $[{a(n+3)-9a(n+2)+27a(n+1)-27a(n), a(0) = 1, a(1) = 12, a(2) = 81},$  ogf]  
A070004 14.4776  $[-5*(x+1)^2/(2x^2-1)$  ogf]  
A070004 27.2819  $-2*(2x+1)/(x+1)/(2x^2-1)$  lgdogf  
A070004 8.41721  $[{-a(n+3)+2a(n+1), a(0) = 5, a(1) = 10, a(2) = 15},$  ogf]  
A070031 17.4530  $1/2*(-2-7x+((8x+1)*(2x)^2)^{1/2})/(x-1)^2$  revogf  
A070031 4.33952  $[{(4n^2+18n+20)*a(n+1)+(3n^2+24n+52)*a(n+2)+(-n^2-9n-18)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 13},$  ogf]  
A070047 12.7647  $[-(x^4+x^3-x^2+x+1)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A070048 12.5797  $[-(-x^6-x^4+x^3-x^2-1)/(-x^8+1)$  ogf\_with\_Euler\_transform]  
A070050 9.14575  $[-(8x^3-21x^2+16x-4)/(x-1)/(2x-1)^3$  ogf]  
A070051 5.91159  $[-(32x^5-140x^4+213x^3-154x^2+55x-8)/(x-1)/(2x-1)^5$  ogf]  
A070052 4.78367  $[-(128x^7-799x^6+1835x^5-2199x^4+1542x^3-647x^2+153x-16)/(x-1)/(2x-1)^7$  ogf]  
A070053 4.02985  $[-(512x^9-4204x^8+12965x^7-21713x^6+22623x^5-15536x^4+7137x^3-2141x^2+385x-32)/(x-1)/(2x-1)^9$  ogf]  
A070071 17.0916  $-a(n)+(n+1)*a(n+1), a(0)=2, a(1)=1$  lgdegf  
A070189 10.8186  $49382716*x/(12345679+(152415789971041+49382716*x)^{1/2})^2$  revogf  
A070189 14.4717  $[12345679*x/(x-1)^2$  ogf]  
A070189 7.23584  $[{a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 12345679},$  ogf]  
A070189 78.4351  $-2/(x-1)$  lgdogf  
A070191 8.10918  $(5+9x+x^3+30x^2-102x^{19}-34x^{18}+72x^{17}+34x^{21}+9x^2)/(x-1)/(x+1)/(2x^{20}+2x^{19}-4x^{18}-x^2-4x-1)$  lgdogf  
A070191 9.67753  $[-(2x^{20}+2x^{19}-4x^{18}-x^2-4x-1)/(x+1)/(x-1)^2$  ogf]  
A070199 11.8795  $[-(10x^2-9x-10)/(x-1)/(10x^2-1)$  ogf]  
A070199 6.54381  $[{-a(n+3)+a(n+2)+10a(n+1)-10a(n), a(0) = 10, a(1) = 19, a(2) = 109},$  ogf]  
A070199 9.48741  $-((19+180x-180x^3+100x^4-200x^2)/(x-1)/(10x^2-1)/(10x^2-9x-10)$  lgdogf  
A070207 12.2649  $[(5x^2+x-1)/(x^3+2x^2+3x-1)$  ogf]  
A070207 12.6719  $-(-2+6x+2x^3+5x^4-16x^2)/(5x^2+x-1)/(x^3+2x^2+3x-1)$  lgdogf  
A070207 6.67996  $[{-a(n+3)+3a(n+2)+2a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 3},$  ogf]  
A070212 12.5291  $-5*(2+2x+2x^2+2x^3+x^4)/(x-1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A070212 24.3385  $[[-x^4+10]$  ogf\_with\_Euler\_transform]  
A070212 4.81039  $[-(x^4+x^3+x^2+x+1)/(x-1)^9$  ogf]  
A070232 15.4911  $[(x^5+2x-4)/(2x-1)$  ogf]  
A070232 19.5247  $(6-5x^4+8x^5)/(2x-1)/(x^5+2x-4)$  lgdogf  
A070252 12.2565  $[(10x^2-9x-10)/(10x^2-1)$  ogf]  
A070252 14.1923  $9*(1+20x+10x^2)/(10x^2-1)/(10x^2-9x-10)$  lgdogf  
A070252 7.32572  $[{-a(n+3)+10a(n+1), a(0) = 10, a(1) = 9, a(2) = 90},$  ogf]  
A070260 11.0959  $[(x^4-6x^2-2x-3)/(x+1)^3/(x-1)^3$  ogf]  
A070260 13.2367  $-2*(-1-15x-10x^3-5x^2+x^5)/(x-1)/(x+1)/(-3-6x^2-2x+x^4)$  lgdogf  
A070260 6.92311  $[{(n+6)*a(n+1)+(-n-2)*a(n+3), a(0) = 3, a(1) = 2, a(2) = 15},$  ogf]



A070261 6.32198 [ $\{(n+8)*a(n+1)+(-n-2)*a(n+4), a(0) = 4, a(1) = 10, a(2) = 2, a(3) = 28\}$ , ogf]  
A070261 7.82576  $-\frac{(-5-2*x-60*x^3-42*x^2-7*x^4-42*x^5-18*x^6+3*x^8+2*x^9)}{(x-1)/(x^2+x+1)/(x^7+x^6-5*x^4-8*x^3-x^2-5*x-2)}$  lgdogf  
A070261 8.21858 [ $2*(x^7+x^6-5*x^4-8*x^3-x^2-5*x-2)/(x-1)^3/(x^2+x+1)^3$  ogf]  
A070262 6.61664 [ $(3*x^{10}+x^9+3*x^8-14*x^6-6*x^5-30*x^4-2*x^3-21*x^2-3*x-5)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
A070302 11.0574  $-\frac{(19+128*x+32*x^3+x^4+150*x^2)}{(x-1)/(x^4+14*x^3+36*x^2+14*x+1)}$  lgdogf  
A070302 7.24977 [ $-\frac{(x^4+14*x^3+36*x^2+14*x+1)}{(x-1)^5}$  ogf]  
A070313 12.1605 [ $-x*(3*x-1)/(2*x-1)/(x-1)^2$  ogf]  
A070313 18.1495  $-\frac{(1-9*x+12*x^2)}{(x-1)/(-1+3*x)/(2*x-1)}$  lgdogf  
A070313 6.24458 [ $\{-a(n+3)+4*a(n+2)-5*a(n+1)+2*a(n), a(0) = 0, a(1) = -1, a(2) = -1\}$ , ogf]  
A070315 6.16264  $-\frac{(-21+14*x-964*x^3+72*x^7-300*x^6+302*x^5+563*x^4+382*x^2)}{(x-1)/(-1+3*x)/(2*x-1)/(12*x^5-40*x^4+39*x^3+9*x^2-11*x-1)}$  lgdogf  
A070315 6.16727 [ $-\frac{(12*x^5-40*x^4+39*x^3+9*x^2-11*x-1)}{(3*x-1)/(2*x-1)^2/(x-1)^3}$  ogf]  
A070333 12.6670  $-3*(1+x+3*x^2+x^3+x^4+x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A070333 25.7064 [ $-x^5+2*x^2+3$  ogf\_with\_Euler\_transform]  
A070333 9.25817 [ $(x^2-x+1)*(x+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A070335 7.03334 [ $-\frac{(12*x^{10}+6*x^9+3*x^8+13*x^7+18*x^6+9*x^5+16*x^4+8*x^3+4*x^2+2*x+1)}{(x-1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}$  ogf]  
A070336 6.42300 [ $-\frac{(13*x^{10}+6*x^9+3*x^8-11*x^7+7*x^6-9*x^5+8*x^4+4*x^3+2*x^2+x+1)/(x-1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)}$  ogf]  
A070337 6.76393 [ $-\frac{(14*x^9-7*x^8+10*x^7+5*x^6-11*x^5+8*x^4+4*x^3+2*x^2+x+1)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)}$  ogf]  
A070338 6.66778  $-\frac{(2+4*x+24*x^3-66*x^5+56*x^4-x^6+17*x^{10}+16*x^9+4*x^8+10*x^2)}{(x-1)/(x+1)/(x^4-x^3+x^2-x+1)/(17*x^5+8*x^4+4*x^3+2*x^2+x+1)}$  lgdogf  
A070338 9.65914 [ $-\frac{(17*x^5+8*x^4+4*x^3+2*x^2+x+1)}{(x-1)/(x+1)/(x^4-x^3+x^2-x+1)}$  ogf]  
A070339 6.17016 [ $-\frac{(18*x^{11}+9*x^{10}+22*x^9+11*x^8+23*x^7+29*x^6+32*x^5+16*x^4+8*x^3+4*x^2+2*x+1)}{(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)}$  ogf]  
A070340 6.31477 [ $-\frac{(20*x^8-10*x^7-5*x^6+17*x^5+9*x^4+4*x^3+2*x^2+x+1)/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)}$  ogf]  
A070341 13.1794 [ $-\frac{(4*x^4+5*x^3+9*x^2+3*x+1)}{(x-1)/(x^4+x^3+x^2+x+1)}$  ogf]  
A070341 7.91067  $-\frac{(3+18*x+16*x^3+12*x^5+5*x^4+10*x^7+27*x^6+4*x^8+15*x^2)}{(x-1)/(x^4+x^3+x^2+x+1)/(4*x^4+5*x^3+9*x^2+3*x+1)}$  lgdogf  
A070342 6.80005 [ $-\frac{(13*x^9+4*x^8-5*x^7-8*x^6+10*x^5-3*x^4-x^3+6*x^2+2*x+1)}{(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)}$  ogf]  
A070343 6.25556 [ $-\frac{(17*x^{10}-3*x^9-x^8+8*x^7-14*x^6+12*x^5+4*x^4-7*x^3+6*x^2+2*x+1)}{(x-1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)}$  ogf]  
A070345 6.31781 [ $-\frac{(12*x^{11}+4*x^{10}+13*x^9+16*x^8+17*x^7+29*x^6+33*x^5+11*x^4+27*x^3+9*x^2+3*x+1)}{(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)}$  ogf]  
A070346 6.66634 [ $-\frac{(25*x^9+8*x^8-22*x^7+5*x^6+14*x^5-20*x^4+18*x^3+6*x^2+2*x+1)}{(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)}$  ogf]  
A070347 10.1964 [ $-\frac{(11*x^4+5*x^3+3*x^2+x+1)}{(x^2-x+1)/(x-1)/(x^2+x+1)}$  ogf]  
A070347 8.78935  $-\frac{(2+4*x+32*x^3+20*x^5-23*x^4+10*x^7-7*x^6+11*x^8+14*x^2)}{(x-1)/(x^2+x+1)/(x^2-x+1)/(11*x^4+5*x^3+3*x^2+x+1)}$  lgdogf  
A070348 6.91061 [ $-\frac{(21*x^{10}+10*x^9+5*x^8-18*x^7-9*x^6+16*x^5+8*x^4+4*x^3+2*x^2+x+1)}{(x-1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)}$  ogf]  
A070349 8.77115 [ $-\frac{(22*x^7-11*x^6+16*x^5+8*x^4+4*x^3+2*x^2+x+1)}{(x-1)/(x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)}$  ogf]  
A070350 7.13739 [ $-\frac{(23*x^{11}+34*x^{10}+17*x^9+31*x^8+38*x^7+19*x^6+32*x^5+16*x^4+8*x^3+4*x^2+2*x+1)}{(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)}$  ogf]  
A070352 15.5098 [ $-\frac{(2*x^2+2*x+1)}{(x-1)/(x^2+1)}$  ogf]

A070352 17.8392  $-(3+2*x+4*x^3+2*x^4-x^2)/(x-1)/(x^2+1)/(2*x^2+2*x+1)$  lgdogf  
A070352 8.44732  $[ \{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 4\}, \text{ogf} ]$   
A070353 15.7125  $[ -(5*x^2+x+1)/(x-1)/(x^2-x+1)$  ogf]  
A070353 17.4159  $-(3+6*x+2*x^3+5*x^4-9*x^2)/(x-1)/(x^2-x+1)/(5*x^2+x+1)$  lgdogf  
A070353 8.55768  $[ \{a(n+3)-2*a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 9\}, \text{ogf} ]$   
A070354 10.7968  $[ \{-a(n+4)+a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 11\}, \text{ogf} ]$   
A070354 11.3588  $-(3+18*x+4*x^3+18*x^5+9*x^4+11*x^6+33*x^2)/(x-1)/(x+1)/(11*x^3+9*x^2+3*x+1)/(x^2+1)$  lgdogf  
A070354 16.5674  $[ -(11*x^3+9*x^2+3*x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A070355 14.6276  $[ -(15*x^4+5*x^3+9*x^2+3*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A070355 8.77044  $-(3+18*x+60*x^3+12*x^5+5*x^4+10*x^7+27*x^6+15*x^8+15*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(15*x^4+5*x^3+9*x^2+3*x+1)$  lgdogf  
A070356 7.93882  $[ -(8*x^10+18*x^9+6*x^8+2*x^7+16*x^6+13*x^5+12*x^4+4*x^3+9*x^2+3*x+1)/(x-1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A070357 11.3785  $-(3+12*x-38*x^3+12*x^5+19*x^6+48*x^2)/(x-1)/(x+1)/(x^2-x+1)/(19*x^3+6*x^2+2*x+1)$  lgdogf  
A070357 13.2565  $[ -(19*x^3+6*x^2+2*x+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A070358 9.76153  $[ -(11*x^7+25*x^6+19*x^5+17*x^4+27*x^3+9*x^2+3*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A070359 8.03412  $[ -(23*x^8-4*x^7+10*x^6-8*x^5-14*x^4+18*x^3+6*x^2+2*x+1)/(x-1)/(x^8+1)$  ogf]  
A070360 7.41626  $[ -(13*x^9+4*x^8+14*x^7-8*x^6+10*x^5-22*x^4+18*x^3+6*x^2+2*x+1)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A070361 11.6150  $[ -(14*x^4+18*x^3+6*x^2+2*x+1)/(x-1)/(x^4+1)$  ogf]  
A070361 9.78377  $-(3+12*x+16*x^3-4*x^5-43*x^4+36*x^7+14*x^8+48*x^2)/(x-1)/(14*x^4+18*x^3+6*x^2+2*x+1)/(x^4+1)$  lgdogf  
A070362 8.25543  $[ -(15*x^9+5*x^8+31*x^7+25*x^6+23*x^5+37*x^4+27*x^3+9*x^2+3*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A070363 7.39393  $[ -(31*x^10+41*x^9+29*x^8+25*x^7+39*x^6+13*x^5+35*x^4+27*x^3+9*x^2+3*x+1)/(x-1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A070365 11.5955  $-(5-2*x-10*x^3-2*x^5+13*x^4+3*x^6+7*x^2)/(x-1)/(x+1)/(x^2-x+1)/(3*x^3-x^2+4*x+1)$  lgdogf  
A070365 13.7116  $[ -(3*x^3-x^2+4*x+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A070366 12.3124  $-(5+4*x-8*x^3+4*x^5+10*x^4+2*x^6+x^2)/(x-1)/(x+1)/(x^2-x+1)/(2*x^3+2*x^2+4*x+1)$  lgdogf  
A070366 14.3666  $[ -(2*x^3+2*x^2+4*x+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A070367 14.5554  $[ -(9*x^4+4*x^3+3*x^2+5*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A070367 9.00621  $-(5+6*x+36*x^3+20*x^5+5*x^4+8*x^7+9*x^6+9*x^8+12*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(9*x^4+4*x^3+3*x^2+5*x+1)$  lgdogf  
A070368 15.7526  $[ -(8*x^2+4*x+1)/(x-1)/(x^2+1)$  ogf]  
A070368 17.1415  $-(5+14*x+8*x^3+8*x^4-9*x^2)/(x-1)/(x^2+1)/(8*x^2+4*x+1)$  lgdogf  
A070368 8.50364  $[ \{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 12\}, \text{ogf} ]$   
A070369 15.7125  $[ -(3*x^2+3*x+1)/(x-1)/(x^2-x+1)$  ogf]  
A070369 16.7939  $-(5+2*x+6*x^3+3*x^4-9*x^2)/(x-1)/(x^2-x+1)/(3*x^2+3*x+1)$  lgdogf  
A070369 8.48195  $[ \{a(n+3)-2*a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 11\}, \text{ogf} ]$   
A070370 11.2236  $-(5+18*x+4*x^3+18*x^5+15*x^4+13*x^6+39*x^2)/(x-1)/(x+1)/(x^2+1)/(13*x^3+9*x^2+5*x+1)$  lgdogf  
A070370 16.5674  $[ -(13*x^3+9*x^2+5*x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A070371 8.58475  $[ -(7*x^8+8*x^7-12*x^6+x^5+7*x^4-2*x^3+3*x^2+4*x+1)/(x-1)/(x^8+1)$  ogf]  
A070372 10.7092  $-(5+4*x-26*x^3+4*x^5+10*x^4+11*x^6+28*x^2)/(x-1)/(x+1)/(x^2-x+1)/(11*x^3+2*x^2+4*x+1)$  lgdogf  
A070372 13.2565  $[ -(11*x^3+2*x^2+4*x+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A070373 9.47103  $[ -(4*x^8+16*x^7+7*x^6+9*x^5+17*x^4+11*x^3+6*x^2+5*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A070374 10.9672  $-(5-2*x-38*x^3-2*x^5+13*x^4+17*x^6+49*x^2)/(x-1)/(x+1)/(x^2-x$

+1)/(17\*x^3-x^2+4\*x+1) lgdogf  
A070374 13.2565 [ -(17\*x^3-x^2+4\*x+1)/(x-1)/(x+1)/(x^2-x+1) ogf]  
A070375 14.4559 [ -(9\*x^4+15\*x^3+3\*x^2+5\*x+1)/(x-1)/(x^4+x^3+x^2+x+1) ogf]  
A070375 8.91350 -(5+6\*x+36\*x^3+20\*x^5+5\*x^4+30\*x^7+9\*x^6+9\*x^8+45\*x^2)/(x-1)/  
(x^4+x^3+x^2+x+1)/(9\*x^4+15\*x^3+3\*x^2+5\*x+1) lgdogf  
A070376 15.2220 [ -(21\*x^2+4\*x+1)/(x-1)/(x^2+1) ogf]  
A070376 15.9662 -(5+40\*x+8\*x^3+21\*x^4-22\*x^2)/(x-1)/(x^2+1)/(21\*x^2+4\*x+1)  
lgdogf  
A070376 8.35190 [{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 25},  
ogf]  
A070377 7.49925 [ -(11\*x^9+2\*x^8-5\*x^7-x^6+16\*x^5-13\*x^4-8\*x^3+20\*x^2+4\*x+1)/  
(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1) ogf]  
A070378 8.20073 -(5+40\*x+88\*x^3+8\*x^5-45\*x^4-16\*x^7+54\*x^6+17\*x^8-46\*x^2)/(x-1)/  
(x^2+x+1)/(x^2-x+1)/(17\*x^4-8\*x^3+21\*x^2+4\*x+1) lgdogf  
A070378 9.76796 [ -(17\*x^4-8\*x^3+21\*x^2+4\*x+1)/(x^2-x+1)/(x-1)/(x^2+x+1) ogf]  
A070379 9.04488 [ -(6\*x^7+x^6+6\*x^5+7\*x^4-16\*x^3+20\*x^2+4\*x+1)/(x-1)/(x+1)/(x^6-  
x^5+x^4-x^3+x^2-x+1) ogf]  
A070380 9.76153 [ -(13\*x^7+9\*x^6+21\*x^5+17\*x^4+29\*x^3+25\*x^2+5\*x+1)/(x-1)/(x+1)/  
(x^2+1)/(x^4+1) ogf]  
A070381 8.11101 [ -(20\*x^9+4\*x^8+14\*x^7+16\*x^6+23\*x^5+31\*x^4+26\*x^3+25\*x^2+5\*x  
+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) ogf]  
A070382 7.97161 [ -(7\*x^8+8\*x^7-12\*x^6+18\*x^5-10\*x^4-2\*x^3+20\*x^2+4\*x+1)/(x-1)/  
(x^8+1) ogf]  
A070383 11.9385 [ -(29\*x^5+13\*x^4+17\*x^3+25\*x^2+5\*x+1)/(x-1)/(x+1)/(x^2+x+1)/  
(x^2-x+1) ogf]  
A070385 9.04739 [ -(23\*x^8+35\*x^7+7\*x^6+9\*x^5+17\*x^4+11\*x^3+25\*x^2+5\*x+1)/(x-1)/  
(x^2+x+1)/(x^6+x^3+1) ogf]  
A070386 10.7968 [{a(n+4)-a(n), a(0) = 1, a(1) = 5, a(2) = 25, a(3) = 8}, ogf]  
A070386 11.3588 -(5+50\*x+4\*x^3+50\*x^5+15\*x^4+8\*x^6+24\*x^2)/(x-1)/(x+1)/(x^2+1)/  
(8\*x^3+25\*x^2+5\*x+1) lgdogf  
A070386 16.5674 [ -(8\*x^3+25\*x^2+5\*x+1)/(x-1)/(x+1)/(x^2+1) ogf]  
A070387 6.85865 [ -(33\*x^10-10\*x^9-2\*x^8+16\*x^7-5\*x^6-  
x^5+8\*x^4-23\*x^3+20\*x^2+4\*x+1)/(x-1)/(x^2+1)/(x^8-x^6+x^4-x^2+1) ogf]  
A070388 14.8269 [ -(17\*x^2+3\*x+1)/(x-1)/(x^2-x+1) ogf]  
A070388 15.0306 -(5+30\*x+6\*x^3+17\*x^4-37\*x^2)/(x-1)/(x^2-x+1)/(17\*x^2+3\*x+1)  
lgdogf  
A070388 8.13510 [{a(n+3)-2\*a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 25},  
ogf]  
A070390 14.0643 [ -(9\*x^4+37\*x^3+25\*x^2+5\*x+1)/(x-1)/(x^4+x^3+x^2+x+1) ogf]  
A070390 8.48113 -(5+50\*x+36\*x^3+20\*x^5+5\*x^4+74\*x^7+75\*x^6+9\*x^8+111\*x^2)/(x-1)/  
(x^4+x^3+x^2+x+1)/(9\*x^4+37\*x^3+25\*x^2+5\*x+1) lgdogf  
A070391 4.57784 [ -  
(37\*x^10-39\*x^9+11\*x^8+11\*x^7-25\*x^6+13\*x^5+3\*x^4-9\*x^3+17\*x^2+3\*x+1)/(x-1)/  
(x^10-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1) ogf]  
A070392 6.35568 -(6-6\*x-22\*x^5-x^4-20\*x^7+34\*x^6+2\*x^10+4\*x^9+10\*x^8+15\*x^2)/  
(x-1)/(x+1)/(x^4-x^3+x^2-x+1)/(2\*x^5+2\*x^4+4\*x^3-3\*x^2+5\*x+1) lgdogf  
A070392 9.33079 [ -(2\*x^5+2\*x^4+4\*x^3-3\*x^2+5\*x+1)/(x-1)/(x+1)/(x^4-x^3+x^2-x+1)  
ogf]  
A070393 10.2225 [ -(11\*x^6-7\*x^5+x^4-2\*x^3+4\*x^2+5\*x+1)/(x^4-x^2+1)/(x-1)/  
(x^2+1) ogf]  
A070394 8.54425 [ -(3\*x^8+6\*x^7+x^6+3\*x^5-8\*x^4+10\*x^3-4\*x^2+5\*x+1)/(x-1)/  
(x^8+1) ogf]  
A070395 9.42614 [ -(16\*x^8+9\*x^7+11\*x^6+5\*x^5+4\*x^4+7\*x^3+17\*x^2+6\*x+1)/(x-1)/  
(x^2+x+1)/(x^6+x^3+1) ogf]  
A070396 7.93882 [ -  
(4\*x^10+16\*x^9+18\*x^8+3\*x^7+12\*x^6+2\*x^5+8\*x^4+9\*x^3+13\*x^2+6\*x+1)/(x-1)/  
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1) ogf]  
A070397 13.3654 [ -(21\*x^4+16\*x^3+11\*x^2+6\*x+1)/(x-1)/(x^4+x^3+x^2+x+1) ogf]  
A070397 8.10334 -(6+22\*x+84\*x^3+24\*x^5+5\*x^4+32\*x^7+33\*x^6+21\*x^8+48\*x^2)/(x-1)/  
(21\*x^4+16\*x^3+11\*x^2+6\*x+1)/(x^4+x^3+x^2+x+1) lgdogf  
A070398 9.04488 [ -(5\*x^7+20\*x^6-16\*x^5+7\*x^4+6\*x^3+x^2+5\*x+1)/(x-1)/(x+1)/(x^6-

$x^5+x^4-x^3+x^2-x+1$  ogf]  
A070399 11.3785  $-2*(3-x-29*x^3-x^5+8*x^4+13*x^6+38*x^2)/(x-1)/(x+1)/(x^2-x+1)/(26*x^3-x^2+5*x+1)$  lgdogf  
A070399 13.2565  $[-(26*x^3-x^2+5*x+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A070400 15.2220  $[-(31*x^2+5*x+1)/(x-1)/(x^2+1)$  ogf]  
A070400 15.6956  $-(6+60*x+10*x^3+31*x^4-33*x^2)/(x-1)/(x^2+1)/(31*x^2+5*x+1)$  lgdogf  
A070400 8.35190  $[{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 36},$  ogf]  
A070402 16.2507  $[-(3*x^2+x+1)/(x-1)/(x^2+1)$  ogf]  
A070402 19.4536  $-(2+4*x+2*x^3+3*x^4-x^2)/(x-1)/(x^2+1)/(3*x^2+x+1)$  lgdogf  
A070402 8.85083  $[{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 4},$  ogf]  
A070403 13.0433  $[{a(n+3)-a(n), a(0) = 1, a(1) = 7, a(2) = 4},$  ogf]  
A070403 17.0645  $-(7+8*x+14*x^3+4*x^4+3*x^2)/(x-1)/(x^2+x+1)/(4*x^2+7*x+1)$  lgdogf  
A070403 20.2305  $[-(4*x^2+7*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A070404 11.4067  $[-(8*x^5+x^4-3*x^3-2*x^2+6*x+1)/(x-1)/(x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A070404 7.43117  $-(7-4*x+10*x^3-50*x^5+32*x^4-2*x^7+36*x^6+8*x^10+2*x^9-10*x^8-7*x^2)/(x-1)/(x+1)/(x^4-x^3+x^2-x+1)/(8*x^5+x^4-3*x^3-2*x^2+6*x+1)$  lgdogf  
A070405 10.1373  $[-(2*x^6+2*x^5+4*x^4-5*x^3+3*x^2+6*x+1)/(x^4-x^2+1)/(x-1)/(x^2+1)$  ogf]  
A070406 11.4973  $-(7+8*x+4*x^3+8*x^5+21*x^4+13*x^6+39*x^2)/(x-1)/(x+1)/(x^2+1)/(13*x^3+4*x^2+7*x+1)$  lgdogf  
A070406 16.5674  $[-(13*x^3+4*x^2+7*x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A070407 8.58475  $[-(5*x^8+3*x^7-2*x^6+7*x^5+x^4-12*x^3+8*x^2+6*x+1)/(x-1)/(x^8+1)$  ogf]  
A070408 10.7969  $[-(19*x^5-10*x^4+8*x^3-2*x^2+6*x+1)/(x-1)/(x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A070409 6.52643  $[-(10*x^11-2*x^10+3*x^9+7*x^8+x^7-13*x^6+8*x^5-12*x^4+18*x^3-4*x^2+6*x+1)/(x-1)/(x+1)/(x^10-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A070410 15.2220  $[-(18*x^2+6*x+1)/(x-1)/(x^2+1)$  ogf]  
A070410 16.2463  $-(6*x^2-8*x+7)*(3*x^2+6*x+1)/(x-1)/(x^2+1)/(18*x^2+6*x+1)$  lgdogf  
A070410 8.35190  $[{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 7, a(2) = 24},$  ogf]  
A070411 9.65864  $[-(15*x^6+2*x^5+4*x^4-18*x^3+16*x^2+6*x+1)/(x^4-x^2+1)/(x-1)/(x^2+1)$  ogf]  
A070412 8.92491  $[-(4*x^8+16*x^7+10*x^6+13*x^5+25*x^4+19*x^3+22*x^2+7*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A070413 10.7080  $[-(25*x^6+16*x^5+23*x^4+24*x^3+20*x^2+7*x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A070414 15.2220  $[-(13*x^2+6*x+1)/(x-1)/(x^2+1)$  ogf]  
A070414 15.6956  $-(7+24*x+12*x^3+13*x^4-16*x^2)/(x-1)/(x^2+1)/(13*x^2+6*x+1)$  lgdogf  
A070414 8.35190  $[{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 7, a(2) = 19},$  ogf]  
A070416 10.4863  $[{-a(n+4)+a(n), a(0) = 1, a(1) = 7, a(2) = 17, a(3) = 23},$  ogf]  
A070416 10.8946  $-(7+34*x+4*x^3+34*x^5+21*x^4+23*x^6+69*x^2)/(x-1)/(x+1)/(x^2+1)/(23*x^3+17*x^2+7*x+1)$  lgdogf  
A070416 15.9960  $[-(23*x^3+17*x^2+7*x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A070417 5.59632  $[-(19*x^8+12*x^7+16*x^6-12*x^5+22*x^4+3*x^3+10*x^2+6*x+1)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A070419 11.9385  $[-(31*x^5+25*x^4+19*x^3+13*x^2+7*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A070420 8.88261  $[-(16*x^8+34*x^7+26*x^6+9*x^5+33*x^4+10*x^3+12*x^2+7*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A070421 12.4475  $[{-a(n+3)+a(n), a(0) = 1, a(1) = 7, a(2) = 11},$  ogf]  
A070421 15.6743  $-(7+22*x+14*x^3+11*x^4+3*x^2)/(x-1)/(x^2+x+1)/(11*x^2+7*x+1)$  lgdogf  
A070421 19.1692  $[-(11*x^2+7*x+1)/(x-1)/(x^2+x+1)$  ogf]

A070422 6.39010 [  $-(28*x^9+4*x^8+6*x^7+12*x^6+13*x^5+13*x^4+24*x^3+9*x^2+7*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)$  ogf ]  
A070423 11.2236  $-(7+18*x+4*x^3+18*x^5+21*x^4+23*x^6+69*x^2)/(x-1)/(x+1)/(x^2+1)/(23*x^3+9*x^2+7*x+1)$  lgdogf  
A070423 16.5674 [  $-(23*x^3+9*x^2+7*x+1)/(x-1)/(x+1)/(x^2+1)$  ogf ]  
A070425 10.8367  $-(7-2*x-82*x^3-2*x^5+19*x^4+37*x^6+109*x^2)/(x-1)/(x+1)/(x^2-x+1)/(37*x^3-x^2+6*x+1)$  lgdogf  
A070425 13.2565 [  $-(37*x^3-x^2+6*x+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf ]  
A070426 10.5069 [  $-(19*x^5-10*x^4+30*x^3-2*x^2+6*x+1)/(x-1)/(x+1)/(x^4-x^3+x^2-x+1)$  ogf ]  
A070427 6.83799 [  $-(13*x^11+34*x^10+37*x^9+31*x^8+43*x^7+19*x^6+22*x^5+16*x^4+28*x^3+4*x^2+7*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf ]  
A070430 11.3127  $-(4+8*x+16*x^5+5*x^4+2*x^7+12*x^6+3*x^2)/(x-1)/(x+1)/(x^2+3*x+1)/(x^4+4*x^3+x^2+x+1)$  lgdogf  
A070430 13.9210 [  $-x*(x+1)*(x^2+3*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf ]  
A070431 12.5745 [  $-x*(x^4+4*x^3+3*x^2+4*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A070431 8.66952  $-2*(2+3*x+2*x^3+3*x^5+6*x^7+10*x^6+x^9+6*x^8+6*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+4*x^3+3*x^2+4*x+1)$  lgdogf  
A070432 15.5869 [  $-(x^2+4*x+1)*x/(x-1)/(x+1)/(x^2+1)$  ogf ]  
A070432 16.5650  $-2*(2+x+2*x^3+x^5+6*x^4)/(x-1)/(x+1)/(x^2+1)/(x^2+4*x+1)$  lgdogf  
A070433 10.2492 [  $-x*(x+1)*(x^6+3*x^5-3*x^4+10*x^3-3*x^2+3*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf ]  
A070434 8.10764 [  $-x*(x+1)*(x^8+3*x^7+6*x^6-x^5+4*x^4-x^3+6*x^2+3*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf ]  
A070435 12.5745 [  $-x*(x^4+4*x^3+9*x^2+4*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A070435 8.58925  $-2*(2+9*x+2*x^3+3*x^5+18*x^7+10*x^6+x^9+6*x^8+6*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+4*x^3+9*x^2+4*x+1)$  lgdogf  
A070436 6.90196 [  $-x*(x+1)*(x^10+3*x^9+6*x^8-3*x^7+15*x^6-5*x^5+15*x^4-3*x^3+6*x^2+3*x+1)/(x-1)/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf ]  
A070439 10.7286 [  $-x*(x^6+4*x^5+9*x^4+9*x^2+4*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf ]  
A070439 7.24718  $-2*(2+9*x+18*x^3+3*x^5+10*x^4+4*x^7+27*x^9+14*x^8+6*x^12+18*x^11+x^13)/(x-1)/(x+1)/(x^2+1)/(x^6+4*x^5+9*x^4+9*x^2+4*x+1)/(1+x^4)$  lgdogf  
A070442 8.84504 [  $-x*(x^8+4*x^7+9*x^6+16*x^5+5*x^4+16*x^3+9*x^2+4*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf ]  
A070446 7.42603 [  $-x*(x^10+4*x^9+9*x^8+16*x^7+x^6+12*x^5+x^4+16*x^3+9*x^2+4*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf ]  
A070454 5.84380 [  $-x*(x^14+4*x^13+9*x^12+16*x^11+25*x^10+4*x^9+17*x^8+17*x^6+4*x^5+25*x^4+16*x^3+9*x^2+4*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf ]  
A070471 11.0433  $-(3+4*x+12*x^5+5*x^4+8*x^7+6*x^6+12*x^2)/(x-1)/(4*x^3+2*x^2+3*x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A070471 13.9210 [  $-x*(4*x^3+2*x^2+3*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf ]  
A070472 11.3880 [  $-x*(6*x^5+6*x^4+x^3+6*x^2+x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf ]  
A070472 7.13569  $-(1+12*x+24*x^3+30*x^4+6*x^7+7*x^6+18*x^10+4*x^9+30*x^8+12*x^11+3*x^2)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(6*x^5+6*x^4+x^3+6*x^2+x+1)$  lgdogf  
A070473 8.24660 [  $-x*(10*x^9+3*x^8+6*x^7+2*x^6+7*x^5+4*x^4+9*x^3+5*x^2+8*x+1)/(x-1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf ]  
A070474 7.90622 [  $-x*(11*x^10+4*x^9+9*x^8+8*x^7+7*x^6+5*x^4+4*x^3+3*x^2+8*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf ]  
A070475 6.93625 [  $-x*(12*x^11+5*x^10+12*x^9+x^8+5*x^7+5*x^6+8*x^5+8*x^4+12*x^3+x^2+8*x+1)/(x-1)/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf ]  
A070478 6.43778 [  $-$

$x*(15*x^{14}+8*x^{13}+5*x^{12}+3*x^{10}+8*x^9+9*x^8+7*x^6+8*x^5+13*x^4+11*x^2+8*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A070480 12.5488 [  $-x*(17*x^4+10*x^3+9*x^2+8*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A070480 7.97000  $-2*(4+9*x+34*x^3+3*x^5+18*x^7+20*x^6+17*x^9+15*x^8+15*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(17*x^4+10*x^3+9*x^2+8*x+1)$  lgdogf  
A070489 10.0635 [  $-x*(26*x^7+19*x^6+17*x^4+10*x^3+8*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A070498 8.17069 [  $-x*(35*x^6+28*x^5+44*x^4+36*x^3+28*x^2+8*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)$  ogf]  
A070511 12.5745 [  $-x*(x^4+4*x^3+3*x^2+4*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A070511 8.66952  $-2*(2+3*x+2*x^3+3*x^5+6*x^7+10*x^6+x^9+6*x^8+6*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+4*x^3+3*x^2+4*x+1)$  lgdogf  
A070512 11.3880 [  $-x*(x+1)*(x^4+x^3+3*x^2+x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A070512 7.36222  $-(2+8*x+8*x^3+5*x^4+12*x^7+7*x^6+6*x^{10}+16*x^9+20*x^8+2*x^{11}+12*x^2)/(x-1)/(x+1)/(x^4+x^3+3*x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A070513 10.2492 [  $-x*(x+1)*(x^6+6*x^5-6*x^4+10*x^3-6*x^2+6*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A070514 8.77777 [  $-x*(x^8+6*x^7+x^6+6*x^5+5*x^4+6*x^3+x^2+6*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A070515 8.10764 [  $-x*(x+1)*(x^2-x+1)*(x^6+5*x^5+4*x^4+2*x^3+4*x^2+5*x+1)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A070516 12.5745 [  $-x*(x^4+4*x^3+9*x^2+4*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A070516 8.58925  $-2*(2+9*x+2*x^3+3*x^5+18*x^7+10*x^6+x^9+6*x^8+6*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+4*x^3+9*x^2+4*x+1)$  lgdogf  
A070517 7.04790 [  $-x*(x+1)*(x^{10}+2*x^9+x^8+8*x^7-7*x^6+16*x^5-7*x^4+8*x^3+x^2+2*x+1)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A070533 6.23266 [  $-x*(x+1)*(x^{12}+6*x^{10}-5*x^9+15*x^8-9*x^7+10*x^6-9*x^5+15*x^4-5*x^3+6*x^2+1)/(x-1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)$  ogf]  
A070539 8.55264 [  $-x*(x^8+16*x^7+x^6+16*x^5+5*x^4+16*x^3+x^2+16*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A070550 14.1386 [  $-(x+1)/(x^2+1)/(x^2+x-1)$  ogf]  
A070550 15.9738  $-(2+6*x^3+3*x^2+3*x^4)/(x+1)/(x^2+1)/(x^2+x-1)$  lgdogf  
A070557 19.7516 [  $x^4+2*x^3+2*x^2+2*x+1$  ogf\_with\_Euler\_transform]  
A070557 7.13749  $-(1+7*x+45*x^3+49*x^8+20*x^2+24*x^9+93*x^5+70*x^4+79*x^7+92*x^6)/(x-1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)$  lgdogf  
A070567 12.5488 [  $-x*(x^4+16*x^3+9*x^2+16*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A070567 8.39697  $-2*(8+9*x+2*x^3+24*x^8+24*x^2+x^9+3*x^5+18*x^7+40*x^6)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+16*x^3+9*x^2+16*x+1)$  lgdogf  
A070575 10.5027 [  $-x*(x^6+16*x^5+17*x^4+17*x^2+16*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A070575 6.91076  $-2*(8+17*x+34*x^3+56*x^8+51*x^9+3*x^5+40*x^4+x^{13}+24*x^{12}+34*x^{11}+4*x^7)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^6+16*x^5+17*x^4+17*x^2+16*x+1)$  lgdogf  
A070583 8.40613 [  $-x*(x^8+16*x^7+x^6+16*x^5+25*x^4+16*x^3+x^2+16*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A070591 12.0904 [  $-x*(x^4+16*x^3+33*x^2+16*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A070591 8.02368  $-2*(8+33*x+2*x^3+24*x^8+24*x^2+x^9+3*x^5+66*x^7+40*x^6)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+16*x^3+33*x^2+16*x+1)$  lgdogf  
A070593 11.3880 [  $-x*(2*x+1)*(x^2-x+1)*(3*x^2+3*x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A070595 10.2492 [  $-x*(8*x^7+4*x^6+2*x^4+7*x^3+5*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$

ogf]  
 A070596 7.77464 [  $-x*(10*x^9+x^8+10*x^7+10*x^6+10*x^5+x^4+x^3+x^2+10*x+1)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
 A070597 7.90622 [  $-x*(11*x^{10}+4*x^9+9*x^8+8*x^7+7*x^6+5*x^4+4*x^3+3*x^2+8*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
 A070598 6.93625 [  $-x*(x^2+x+1)*(x^2-x+1)*(12*x^7+7*x^6-8*x^5-4*x^4+4*x^3+8*x^2+6*x+1)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
 A070609 10.3870 [  $-(7+36*x+72*x^2+28*x^5+5*x^4+48*x^7+54*x^6)/(x-1)/(4*x+1)/(6*x^2+3*x+1)/(x^4+x^3+x^2+x+1)$  lgdogf]  
 A070609 13.6813 [  $-x*(4*x+1)*(6*x^2+3*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
 A070634 8.10764 [  $-x*(x+1)*(x^8+8*x^7-5*x^6+9*x^5-4*x^4+9*x^3-5*x^2+8*x+1)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
 A070636 6.62982 [  $-x*(x+1)*(x^{10}+11*x^9-10*x^8+11*x^7+x^6+11*x^5+x^4+11*x^3-10*x^2+11*x+1)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
 A070637 6.58825 [  $-x*(x^{12}+8*x^{11}+x^{10}+8*x^9+x^8+8*x^7+7*x^6+8*x^5+x^4+8*x^3+x^2+8*x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
 A070641 12.5488 [  $-x*(x^4+10*x^3+9*x^2+10*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
 A070641 8.39697 [  $-2*(5+9*x+x^9+3*x^5+15*x^8+18*x^7+25*x^6+2*x^3+15*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+10*x^3+9*x^2+10*x+1)$  lgdogf]  
 A070650 9.92741 [  $-x*(x+1)*(x^6+9*x^5-9*x^4+28*x^3-9*x^2+9*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
 A070651 6.77327 [  $-x*(x^{12}+8*x^{11}+x^{10}+8*x^9+x^8+8*x^7+21*x^6+8*x^5+x^4+8*x^3+x^2+8*x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
 A070659 12.5488 [  $-x*(x^4+28*x^3+9*x^2+28*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
 A070659 8.32266 [  $-2*(14+9*x+x^9+3*x^5+42*x^8+18*x^7+70*x^6+2*x^3+42*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+28*x^3+9*x^2+28*x+1)$  lgdogf]  
 A070663 8.40613 [  $-x*(x^8+24*x^7+9*x^6+16*x^5+25*x^4+16*x^3+9*x^2+24*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
 A070688 5.88916 [  $-x*(x^{16}+16*x^{15}+9*x^{14}+16*x^{13}+25*x^{12}+24*x^8+25*x^4+16*x^3+9*x^2+16*x+1)/(x-1)/(x+1)/(x^4+1)/(x^2+x+1)/(x^2-x+1)/(x^8-x^4+1)$  ogf]  
 A070690 11.0433 [  $-(3+4*x+12*x^5+8*x^7+5*x^4+6*x^6+12*x^2)/(x-1)/(4*x^3+2*x^2+3*x+1)/(x^4+x^3+x^2+x+1)$  lgdogf]  
 A070690 13.9210 [  $-x*(4*x^3+2*x^2+3*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
 A070692 10.2492 [  $-x*(8*x^7+7*x^6+5*x^4+4*x^3+2*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
 A070693 8.24660 [  $-x*(10*x^9+4*x^8+2*x^7+6*x^6+8*x^5+3*x^4+5*x^3+9*x^2+7*x+1)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
 A070695 6.93625 [  $-x*(12*x^{11}+2*x^{10}+10*x^9+9*x^8+5*x^7+6*x^6+7*x^5+8*x^4+4*x^3+3*x^2+11*x+1)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
 A070734 5.71790 [  $3*(x^4+8*x^3+6*x^2+8*x+1)/(x-1)^4/(x+1)^4$  egf]  
 A070734 7.24628 [  $-4*(2+5*x+x^5+10*x^4+10*x^3+20*x^2)/(x-1)/(x+1)/(1+x^4+8*x^3+6*x^2+8*x)$  lgdegf]  
 A070775 4.93788 [  $\{-a(n+3)+12*a(n+2)+64*a(n+1), a(0) = 1, a(1) = 2, a(2) = 72\}$ , ogf]  
 A070775 9.09609 [  $(16*x^2+10*x-1)/(4*x+1)/(16*x-1)$  ogf]  
 A070775 9.56877 [  $-2*(-1-48*x+224*x^2)/(4*x+1)/(16*x-1)/(16*x^2+10*x-1)$  lgdogf]  
 A070778 8.11059 [  $-(-2-10*x-12*x^5-24*x^4+4*x^7+8*x^6+12*x^3+15*x^2)/(x^2+x-1)/(x^6+x^5-5*x^4-4*x^3+6*x^2+3*x-1)$  lgdogf]  
 A070778 9.12268 [  $(x^2+x-1)/(x^6+x^5-5*x^4-4*x^3+6*x^2+3*x-1)$  ogf]  
 A070782 4.60532 [  $\{-a(n+3)+21*a(n+2)+353*a(n+1)-32*a(n), a(0) = 1, a(1) = 2, a(2) = 254\}$ , ogf]  
 A070782 6.91347 [  $-2*(1+212*x+2256*x^4+608*x^3-1921*x^2)/(32*x-1)/(141*x^2+19*x-1)/(x^2-11*x-1)$  lgdogf]

A070782 7.99159 [  $-(141*x^2+19*x-1)/(32*x-1)/(x^2-11*x-1)$  ogf]  
A070814 6.56530 [  $-17*(3*x^9+2*x^8+2*x^7+2*x^6+2*x^5+3*x^4+4*x^3+3*x^2+2*x+1)/(2*x^4-1)$  ogf]  
A070832 3.70557 [  $(8192*x^4+207296*x^3-20280*x^2-134*x+1)/(256*x-1)/(16*x-1)/(16*x^2+136*x+1)$  ogf]  
A070857 3.33019 [  $\{(28*n^2+154*n+210)*a(n+1)+(25*n^2+223*n+546)*a(n+2)+(-8*n^2-80*n-168)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 19\}$ , ogf]  
A070875 11.5059 [  $\{-a(n+2)+2*a(n), a(0) = 5, a(1) = 7\}$ , ogf]  
A070875 17.9604 [  $-(7*x+5)/(2*x^2-1)$  ogf]  
A070875 18.0430  $1/2*2^{(1/2)}*(-\operatorname{arcsinh}(7)+\operatorname{arcsinh}(2*x+7))$  revegf  
A070875 21.2271  $-(7+20*x+14*x^2)/(7*x+5)/(2*x^2-1)$  lgdogf  
A070876 11.3605 [  $\{a(n+2)-2*a(n), a(0) = 9, a(1) = 15\}$ , ogf]  
A070876 17.5817 [  $-3*(5*x+3)/(2*x^2-1)$  ogf]  
A070876 18.5610  $1/2/(15+2*x)*(-9+(81+60*x+8*x^2)^{(1/2)})$  revogf  
A070876 21.2906  $-(5+12*x+10*x^2)/(5*x+3)/(2*x^2-1)$  lgdogf  
A070884 7.78561 [  $-(x^8-2*x^7-6*x^6-4*x^5-2*x^4-4*x^3-2*x^2-4*x-7)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf]  
A070893 10.5965 [  $-(2*x+1)/(x+1)/(x-1)^5$  ogf]  
A070893 19.9057  $-2*(3+7*x+5*x^2)/(x-1)/(2*x+1)/(x+1)$  lgdogf  
A070893 3.80810 [  $\{(-n-4)*a(n+4)-2*n*a(n+3)+(16+n)*a(n+2)+(12+2*n)*a(n+1), a(0) = 1, a(1) = 6, a(2) = 19, a(3) = 46\}$ , ogf]  
A070937 6.88398 [  $(2*x^{12}-2*x^{11}+6*x^{10}-4*x^9+6*x^8-2*x^7-2*x^6+2*x^5-6*x^4+2*x^3-3*x^2-x-1)/(x-1)/(x^2+1)$  ogf]  
A070945 24.4809  $(-1-x-x^2-x^3)*f(x)+f(x)^2$  lgdegf  
A070945 3.64633 [  $\{(-n-5)*a(n+5)+a(n+4)+a(n+3)+a(n+2)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 1\}$ , egf]  
A070946 13.6287  $-a(n+5), a(0)=1, a(1)=1, a(2)=1, a(3)=1, a(4)=1$  lgdegf  
A070947 23.6583  $(x+1)*(1+x+x^2)*(x^2-x+1)$  lgdegf  
A070959 7.39986 [  $-(x^7-x^6-20*x^4+3*x^3-23*x^2-4*x-4)/(x-1)^4/(x+1)^4$  ogf]  
A070959 7.53940  $-(-4-78*x-86*x^5+15*x^4-218*x^3+7*x^6-2*x^7+x^8-19*x^2)/(x-1)/(x+1)/(x^7-x^6-20*x^4+3*x^3-23*x^2-4*x-4)$  lgdogf  
A070960 10.7959 [  $-1/2*(x^2-2*x-2)/(x-1)^2$  egf]  
A070960 25.4637  $-1-x+(1+4*x+x^2)^{(1/2)}$  revegf  
A070960 29.4843  $6/(x-1)/(x^2-2*x-2)$  lgdegf  
A070960 4.02946 [  $\{(n^2+2*n)*a(n)+(n^2+4*n+6)*a(n+1)+(-n-2)*a(n+2), a(0) = 1, a(1) = 3\}$ , ogf]  
A070967 3.23968 [  $\{-a(n+4)+38*a(n+3)+1691*a(n+2)-1728*a(n+1), a(0) = 1, a(1) = 2, a(2) = 926, a(3) = 37130\}$ , ogf]  
A070967 5.04611  $2*(1+850*x+483120*x^4+51264*x^3-16619*x^2)/(x-1)/(27*x+1)/(64*x-1)/(288*x^3-841*x^2-36*x+1)$  lgdogf  
A070967 5.79942 [  $(288*x^3-841*x^2-36*x+1)/(x-1)/(27*x+1)/(64*x-1)$  ogf]  
A070997 13.5141 [  $-(x-1)/(x^2-8*x+1)$  ogf]  
A070997 14.5403  $-1/2*(-1-8*x+(1+12*x+60*x^2)^{(1/2)})/(1+x)$  revogf  
A070997 19.8717  $-(7-2*x+x^2)/(x-1)/(x^2-8*x+1)$  lgdogf  
A070997 7.41626 [  $\{a(n+2)-8*a(n+1)+a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A070998 14.1798 [  $-(x-1)/(x^2-9*x+1)$  ogf]  
A070998 15.2709  $-1/2*(-1-9*x+(1+14*x+77*x^2)^{(1/2)})/(1+x)$  revogf  
A070998 20.8703  $-(8-2*x+x^2)/(x-1)/(x^2-9*x+1)$  lgdogf  
A070998 7.78159 [  $\{a(n+2)-9*a(n+1)+a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A071009 4.71677 [  $(x^6+x^5+5*x^4+8*x^3+5*x^2+x+1)/(x^2+x+1)/(x+1)^2/(x-1)^6$  ogf]  
A071009 5.97667  $-4*(1+6*x+46*x^5+46*x^4+35*x^3+3*x^8+12*x^7+18*x^2+x^9+30*x^6)/(x-1)/(x+1)/(x^2+x+1)/(x^6+x^5+5*x^4+8*x^3+5*x^2+x+1)$  lgdogf  
A071033 6.92691 [  $-(10*x+1)*(10000*x^4-101*x-1)/(x-1)/(100*x-1)/(100*x+1)/(x+1)$  ogf]  
A071045 14.7579 [  $x^2*(x+3)/(x+1)^2/(x-1)^2$  ogf]  
A071045 25.2335  $-(1+12*x+3*x^2)/(x-1)/(x+3)/(x+1)$  lgdogf  
A071045 5.57088 [  $\{(4*n^2+21*n+26)*a(n+1)+3*a(n+2)+(-4*n^2-13*n-9)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 3\}$ , ogf]  
A071046 7.53581  $-(1+9*x+47*x^5+39*x^4+32*x^3+3*x^9+7*x^8+27*x^7+18*x^2+33*x^6)/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)/(x^4+x^3+4*x^2+x+2)$  lgdogf



A071046 9.57906 [  $x^2(x^4+x^3+4x^2+x+2)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A071047 6.36172  $-(3+9*x$   
 $+69*x^5+63*x^4+41*x^3+7*x^9+27*x^8+44*x^7+27*x^2+66*x^6+4*x^{10})/(x-1)/(x+1)/$   
 $(1+x^2)/(x^2+x+1)/(2*x^5+x^4+5*x^3+3*x^2+3*x+1)$  lgdogf  
A071047 9.48204 [  $(2*x^5+x^4+5*x^3+3*x^2+3*x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^2$   
ogf]  
A071054 13.0480 [  $-(x^3-2*x^2-3*x-1)/(x+1)^2/(x-1)^2$  ogf]  
A071054 15.1135  $-(3-8*x+x^4-4*x^3-6*x^2)/(x-1)/(x+1)/(x^3-2*x^2-3*x-1)$  lgdogf  
A071061 6.29416  $2*(-1-26*x^9+36*x^{10})/(x-1)/(9*x^{10}-19*x^9+1)$  lgdogf  
A071099 11.2505 [  $x*(x^2-5*x+2)/(2*x-1)/(x-1)^3$  ogf]  
A071099 18.6474  $-(-5+24*x+4*x^3-29*x^2)/(x-1)/(2*x-1)/(x^2-5*x+2)$  lgdogf  
A071100 9.13657  $-(13+22*x+x^6-2*x^5-5*x^4-4*x^3+31*x^2)/(x^4-2*x^3-2*x^2-2*x+1)/$   
 $(x^3-x^2-3*x-5)$  lgdogf  
A071100 9.54509 [  $-(x^3-x^2-3*x-5)/(x^4-2*x^3-2*x^2-2*x+1)$  ogf]  
A071101 8.67120  $-2*(8+13*x+x^6-3*x^5-4*x^4+6*x^3+15*x^2)/(x^4-2*x^3-2*x^2-2*x$   
 $+1)/(2*x^3-3*x^2-6*x-5)$  lgdogf  
A071101 9.63070 [  $-(2*x^3-3*x^2-6*x-5)/(x^4-2*x^3-2*x^2-2*x+1)$  ogf]  
A071171 5.22210 [  $x^2(5*x^4+82*x^3+186*x^2+82*x+5)/(x-1)^8$  ogf]  
A071171 9.62636  $-2*(61+473*x+10*x^4+215*x^3+681*x^2)/(x-1)/$   
 $(5*x^4+82*x^3+186*x^2+82*x+5)$  lgdogf  
A071213 3.14117 [  $\{(16*n^3+112*n^2+260*n+200)*a(n+1)+(-8*n^2-44*n-62)*a(n+2)+(n$   
 $+3)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 34\}$ , ogf]  
A071229 10.3383 [  $x*(8*x^2+5*x+1)/(x-1)^4$  ogf]  
A071229 20.6584  $-(9+31*x+16*x^2)/(x-1)/(8*x^2+5*x+1)$  lgdogf  
A071229 3.81158 [  $\{(-3-n)*a(n+4)+(1-4*n)*a(n+3)+(28-3*n)*a(n+2)+(16+8*n)*a(n+1),$   
 $a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 38\}$ , ogf]  
A071230 19.0305  $-(13+43*x+16*x^2)/(x-1)/(8*x+1)/(x+1)$  lgdogf  
A071230 9.79400 [  $x*(x+1)*(8*x+1)/(x-1)^4$  ogf]  
A071231 4.07361 [  $-x*(x+1)*(x^6+126*x^5+2007*x^4+5812*x^3+2007*x^2+126*x+1)/$   
 $(x-1)^9$  ogf]  
A071231 5.64581  $-2*(68+2641*x$   
 $+4647*x^5+24880*x^4+39095*x^3+x^7+194*x^6+19194*x^2)/(x-1)/(x+1)/$   
 $(x^6+126*x^5+2007*x^4+5812*x^3+2007*x^2+126*x+1)$  lgdogf  
A071232 11.2209  $-12*(3+39*x+7*x^4+61*x^3+100*x^2)/(x-1)/$   
 $(28*x^4+155*x^3+147*x^2+29*x+1)$  lgdogf  
A071232 6.56088 [  $-x*(28*x^4+155*x^3+147*x^2+29*x+1)/(x-1)^7$  ogf]  
A071233 12.5474 [  $2*x*(x^2+5)/(x-1)^4$  ogf]  
A071233 30.2587  $-2*(10+x+x^2)/(x-1)/(x^2+5)$  lgdogf  
A071233 4.12003 [  $\{(-15-5*n)*a(n+4)+(30+5*n)*a(n+3)+(1-n)*a(n+2)+(n+2)*a(n+1),$   
 $a(0) = 0, a(1) = 10, a(2) = 40, a(3) = 102\}$ , ogf]  
A071237 25.6978  $-15*(x+1)^2/(x-1)/(5*x^2+5*x+2)$  lgdogf  
A071237 4.41281 [  $\{(6+2*n)*a(n+4)+(-9+3*n)*a(n+3)-30*a(n+2)+(-15-5*n)*a(n+1),$   
 $a(0) = 0, a(1) = 2, a(2) = 15, a(3) = 60\}$ , ogf]  
A071237 9.72946 [  $-x*(5*x^2+5*x+2)/(x-1)^5$  ogf]  
A071238 22.1373  $-(9+22*x+9*x^2)/(x-1)/(3*x+1)/(x+1)$  lgdogf  
A071238 3.98842 [  $\{(n+3)*a(n+4)+(-3+3*n)*a(n+3)+(-23-n)*a(n+2)+(-9-3*n)*a(n+1),$   
 $a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 38\}$ , ogf]  
A071238 9.46649 [  $-x*(x+1)*(3*x+1)/(x-1)^5$  ogf]  
A071239 23.6522  $-2*(3+4*x+3*x^2)/(x-1)/(x+2*x^2+1)$  lgdogf  
A071239 4.52912 [  $\{(-3-n)*a(n+4)+6*a(n+3)+(7-n)*a(n+2)+(6+2*n)*a(n+1), a(0) = 0,$   
 $a(1) = 1, a(2) = 6, a(3) = 22\}$ , ogf]  
A071239 9.82219 [  $-x*(2*x^2+x+1)/(x-1)^5$  ogf]  
A071244 25.5842  $-(11+6*x+3*x^2)/(x-1)/(x^2+x+2)$  lgdogf  
A071244 4.16920 [  $\{(-135*n^2-234*n+72)*a(n+1)+(-223*n^2-2750*n-3597)*a(n$   
 $+2)+(358*n^2+1012*n+654)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A071244 9.20100 [  $-x^2*(x^2+x+2)/(x-1)^5$  ogf]  
A071245 22.5745  $-(19+18*x+3*x^2)/(x-1)/(x+3)/(x+1)$  lgdogf  
A071245 3.91317 [  $\{(-345*n^2-2397*n-3414)*a(n+1)+(-908*n^2-9334*n-25878)*a(n$   
 $+2)+(1253*n^2+5339*n+4086)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 3\}$ , ogf]  
A071245 8.90583 [  $-x^2*(x+3)*(x+1)/(x-1)^5$  ogf]  
A071246 22.5745  $-(23+14*x+3*x^2)/(x-1)/(x^2+3*x+4)$  lgdogf

A071246 4.16563 [ {(29\*n^2+190\*n+264)\*a(n+1)+(-24\*n^2+107\*n+897)\*a(n+2)+(-5\*n^2-161\*n-156)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 4}, ogf]  
A071246 8.90583 [ -x^2\*(x^2+3\*x+4)/(x-1)^5 ogf]  
A071252 23.1094 -6\*(5+4\*x+x^2)/(x-1)/(2\*x^2+5\*x+5) lgdogf  
A071252 4.30976 [ {(-2\*n^2-100\*n-192)\*a(n+1)+(45\*n^2+254\*n-318)\*a(n+2)+(-43\*n^2+10\*n+53)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 5}, ogf]  
A071252 9.11488 [ -x^2\*(2\*x^2+5\*x+5)/(x-1)^5 ogf]  
A071253 17.8941 -2\*(5+15\*x+x^3+9\*x^2)/(x-1)/(x+1)/(x^2+4\*x+1) lgdogf  
A071253 4.77233 [ {(n^2+2\*n)\*a(n+1)+(-2\*n^2-8\*n-36)\*a(n+2)+(n^2+6\*n+8)\*a(n+3), a(0) = 0, a(1) = 2, a(2) = 20}, ogf]  
A071253 8.77492 [ -2\*x\*(x+1)\*(x^2+4\*x+1)/(x-1)^5 ogf]  
A071268 6.27426 -3\*(10\*x^2-1)\*(110\*x^2-40\*x+11)/(x-1)/(10\*x-1)/(1+110\*x^3-30\*x^2) lgdegf  
A071270 16.8771 -2\*(6+21\*x+x^3+12\*x^2)/(x-1)/(x+1)/(x^2+6\*x+1) lgdogf  
A071270 4.44735 [ {(-2\*n^2-7\*n-6)\*a(n+1)+(4\*n^2+16\*n+48)\*a(n+2)+(-2\*n^2-9\*n-10)\*a(n+3), a(0) = 0, a(1) = 1, a(2) = 12}, ogf]  
A071270 8.65034 [ -x\*(x+1)\*(x^2+6\*x+1)/(x-1)^5 ogf]  
A071271 6.77652 [-72\*x^9+81\*x^8+2 ogf\_with\_Euler\_transform]  
A071279 17.7594 [ 2\*(x^2+2\*x-6)/(x-1) ogf]  
A071279 27.5510 (4-2\*x+x^2)/(x-1)/(x^2+2\*x-6) lgdogf  
A071279 9.61096 [ {-a(n+3)+a(n+2), a(0) = 12, a(1) = 8, a(2) = 6}, ogf]  
A071281 7.66180 [ x^3\*(x^8+x^7+2\*x^6+x^5+3\*x^4+2\*x^3+2\*x^2+x+1)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2 ogf]  
A071282 5.44330 -(3+2\*x+12\*x^5+15\*x^4+8\*x^3+3\*x^10+4\*x^9+9\*x^8+4\*x^7+15\*x^6+9\*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(3\*x^5+2\*x^4+3\*x^3+x^2+3\*x+2) lgdogf  
A071282 9.78453 [ -(3\*x^5+2\*x^4+3\*x^3+x^2+3\*x+2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) ogf]  
A071284 6.73841 [ -(4\*x^9+3\*x^8+2\*x^7+4\*x^6+3\*x^5+4\*x^4+x^3+3\*x^2+4\*x+2)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) ogf]  
A071289 6.75793 [ x\*(3\*x^5+7\*x^4+16\*x^3+12\*x^2+9\*x+1)/(x+1)^3/(x-1)^4 ogf]  
A071289 9.01035 -2\*(5+20\*x+12\*x^5+43\*x^4+52\*x^3+3\*x^6+57\*x^2)/(x-1)/(x+1)/(3\*x^5+7\*x^4+16\*x^3+12\*x^2+9\*x+1) lgdogf  
A071355 14.0361 [ (2\*x^2-3\*x-3)/(x-1)^3 ogf]  
A071355 24.7245 -2\*(x+2)\*(x-3)/(x-1)/(2\*x^2-3\*x-3) lgdogf  
A071355 7.51053 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 3, a(1) = 12, a(2) = 25}, ogf]  
A071356 4.54054 [ {(4\*n+8)\*a(n+1)+(4\*n+14)\*a(n+2)+(-n-5)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 6}, ogf]  
A071356 44.8497 x/(1+2\*x+2\*x^2) revogf  
A071357 12.5775 -2\*(-1+4\*x+4\*x^2+(1-4\*x-4\*x^2)^(1/2))/x/(-1+4\*x+4\*x^2) lgdogf  
A071357 3.86989 [ {(4\*n^2+20\*n+24)\*a(n+1)+(4\*n^2+26\*n+42)\*a(n+2)+(-n^2-8\*n-12)\*a(n+3), a(0) = 0, a(1) = 1, a(2) = 4}, ogf]  
A071359 13.8200 1/2/x^2\*(-1-x-x^2+(1+2\*x+3\*x^2+6\*x^3+x^4)^(1/2)) revogf  
A071408 10.0925 [ x\*(x+1)\*(x^2-x-1)/(x^2+x+1)/(x-1)^3 ogf]  
A071408 13.8875 -2\*(x+2)\*(x^4-x^3-x^2-x-1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x-1) lgdogf  
A071419 6.30278 [ (23\*x^11+11\*x^10-25\*x^9+x^8+2\*x^7+7\*x^6+7\*x^5-5\*x^4+2\*x^3+3\*x^2+x+1)/(x+1)^2/(x-1)^2 ogf]  
A071423 8.28169 [ (x^10-x^9-x^6-x^3-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^3 ogf]  
A071440 7.89544 [ -(18\*x^9+131\*x^8+96\*x^7+92\*x^6+48\*x^5+26\*x^4+42\*x^3+6\*x^2+2\*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1) ogf]  
A071533 7.53953 [ -(243\*x^4+54\*x^3+3\*x^2-x+1)/(3\*x-1)/(81\*x^4+45\*x^3+16\*x^2+5\*x+1) ogf]  
A071534 10.1255 -(-3-6\*x^5+14\*x^4+x^8+6\*x^6-14\*x^3+18\*x^2)/(x-1)/(x^4+x^3+4\*x^2+x+1)/(x^4+3\*x^2-3\*x+1) lgdogf  
A071534 11.1924 [ -(x^4+3\*x^2-3\*x+1)/(x-1)/(x^4+x^3+4\*x^2+x+1) ogf]  
A071535 6.81762 [ -(64\*x^4-80\*x^3+36\*x^2-5\*x+1)/(4\*x-1)^5 ogf]  
A071539 11.1288 [ -6\*x\*(8\*x-3)/(x-1)/(6\*x-1)/(3\*x-1)/(2\*x-1) ogf]

A071568 17.2711  $-( -11-7*x+x^3-7*x^2)/(x-1)/(x^3-5*x^2+x-3)$  lgdogf  
A071568 4.06774  $[ \{ (-23*n^2-109*n-126)*a(n+1)+(22*n^2+20*n-84)*a(n+2)+(n^2+17*n+42)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 11 \}, ogf]$   
A071568 9.77314  $[ (x^3+5*x^2-x+1)/(x-1)^4 ogf]$   
A071578 14.7260  $[ -x*(x^2-x+1)*(x^27+x^26-x^24-x^23+x^21+x^20-x^18-x^17+x^15+x^14-x^12-x^11+x^9+x^8+x^7-x^5-x^4+x^2+2*x+1)/(x-1) ogf]$   
A071618 8.27626  $-(3-2*x+6*x^4+2*x^7-3*x^6-18*x^3+6*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-3*x+1)/(x^2-x+1)$  lgdogf  
A071618 9.54837  $[ -(x^2-x+1)*x*(x+1)/(x-1)/(x^2+x+1)/(x^2-3*x+1) ogf]$   
A071619 13.4866  $-(3+6*x+2*x^5+5*x^4+8*x^3+12*x^2)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A071619 29.5718  $[-x^3+x^2+3 ogf\_with\_Euler\_transform]$   
A071619 4.06425  $[ \{ (n^2+6*n+10)*a(n+1)+(2*n+5)*a(n+2)+(2*n+5)*a(n+3)+(-n^2-4*n-5)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 6 \}, ogf]$   
A071619 9.68112  $[ -x*(x+1)*(x^2+1)/(x^2+x+1)/(x-1)^3 ogf]$   
A071679 14.8935  $[ -(x+1)^2/(x^2+x-1) ogf]$   
A071679 31.6001  $-(x+3)/(x+1)/(x^2+x-1)$  lgdogf  
A071679 7.73879  $[ \{-a(n+3)+a(n+2)+a(n+1), a(0) = 1, a(1) = 3, a(2) = 5 \}, ogf]$   
A071683 10.1114  $[ -(13*x^3+55*x^2+1)/(x^2+4*x-1) ogf]$   
A071683 5.09890  $[ \{ a(n+4)-4*a(n+3)-a(n+2), a(0) = 1, a(1) = 4, a(2) = 72, a(3) = 305 \}, ogf]$   
A071683 9.27312  $(-4-112*x+13*x^4+104*x^3+181*x^2)/(x^2+4*x-1)/(13*x^3+55*x^2+1)$  lgdogf  
A071701 13.6217  $[ -x^4*(x^4+1)*(x^8-x^4+1)*(x^8+1)*(x^16-x^8+1)/(x-1) ogf]$   
A071701 8.80597  $(-1-24*x^23+23*x^24+11*x^12-12*x^11+35*x^36-36*x^35)/(x-1)/(x^4+1)/(x^8-x^4+1)/(x^8+1)/(x^16-x^8+1)$  lgdogf  
A071735 3.93192  $[ \{ (-40*n^2+20*n)*a(n)+(62*n^2+136*n-10)*a(n+1)+(-13*n^2-51*n+4)*a(n+2), a(0) = 1, a(1) = 2 \}, ogf]$   
A071736 3.31742  $[ \{ (-188*n^3-490*n^2-198*n)*a(n)+(219*n^3+1155*n^2+1524*n+120)*a(n+1)+(-43*n^3-305*n^2-458*n-40)*a(n+2), a(0) = 1, a(1) = 3 \}, ogf]$   
A071738 3.44975  $[ \{ (-88*n^3-84*n^2+64*n)*a(n)+(74*n^3+276*n^2+202*n-48)*a(n+1)+(-13*n^3-75*n^2-86*n+24)*a(n+2), a(0) = 1, a(1) = 1 \}, ogf]$   
A071768 11.6898  $-2*(2+11*x+4*x^5+16*x^4-2*x^3-4*x^2)/(x-1)/(2*x+1)/(x^2+x+1)/(2*x^2+5*x-1)$  lgdogf  
A071768 8.77986  $[ -x*(2*x+1)*(2*x^2+5*x-1)/(x-1)/(x^2+x+1)^2 ogf]$   
A071769 3.92562  $[ -x*(2304*x^8+2304*x^7+1280*x^6-704*x^5+224*x^4+48*x^3+16*x^2-4*x+1)/(2*x-1)^2/(2*x+1)^2/(4*x^2+1)^3 ogf]$   
A071784 11.2511  $[ (3*x^2-2)/(x-1)/(x^3-x^2+1) ogf]$   
A071784 13.4714  $-( -2+2*x+6*x^5-6*x^4-8*x^3+9*x^2)/(x-1)/(3*x^2-2)/(x^3-x^2+1)$  lgdogf  
A071816 10.7435  $-2*(10+71*x+x^4+23*x^3+93*x^2)/(x-1)/(x^4+14*x^3+36*x^2+14*x+1)$  lgdogf  
A071816 6.45275  $[ (x^4+14*x^3+36*x^2+14*x+1)/(x-1)^6 ogf]$   
A071817 8.76317  $[-2*x^9-x^8+3 ogf\_with\_Euler\_transform]$   
A071831 5.46097  $[ (15*x^27+9*x^22+15*x^20+5*x^16+9*x^15+15*x^13+3*x^11+5*x^9+9*x^8-15*x^6-5*x^5-3*x^4-4*x^3-5*x^2-9*x-1)/(2*x^7-1) ogf]$   
A071832 6.19558  $[ (x^27+x^22+2*x^20+x^16+2*x^15+4*x^13+x^11+2*x^9+4*x^8-8*x^6-3*x^5-2*x^4-3*x^3-4*x^2-8*x-1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1) ogf]$   
A071833 8.62392  $[ -(45*x^6+40*x^5+36*x^4+32*x^3+30*x^2+27*x+24)/(2*x^7-1) ogf]$   
A071840 7.85589  $[ -x^2*(x^48-x^40-x^32+x^24-1)/(x+1)/(x^2+1)/(x^4+1)/(x^32+1)/(x-1)^2 ogf]$   
A071841 6.39920  $[ x^4*(2*x^48+x^32+4*x^24+2)/(x-1)/(x^48+x^40-x^32-2*x^16+2*x^8-2) ogf]$   
A071878 19.3397  $x/(1+2*x)/(3*x+1)/(1+x)$  revogf  
A071879 60.2940  $x/(1+x+x^3)$  revogf  
A071902 10.7312  $-( -5-95*x+2*x^4-29*x^3-113*x^2)/(x-1)/(x^4-11*x^3-20*x^2-11*x+1)$  lgdogf  
A071902 6.51495  $[ -(x^4-11*x^3-20*x^2-11*x+1)/(x-1)^6 ogf]$

A071910 24.1452  $-5*(2+4*x+x^2)/(x-1)/(x^2+3*x+1)$  lgdogf  
A071910 3.89527  $[{(n+3)*a(n+4)+(-6+2*n)*a(n+3)+(-22-2*n)*a(n+2)+(-5-n)*a(n+1), a(0) = 0, a(1) = 18, a(2) = 180, a(3) = 900}, ogf]$   
A071910 7.52837  $[-18*x*(x^2+3*x+1)/(x-1)^7 ogf]$   
A071930 14.7368  $1/8*(-x-3+(3+2*x+3*x^2)^(1/2)*3^(1/2))/x$  revogf  
A071930 16.1859  $[-6*x/(2*x+1)/(4*x-1) ogf]$   
A071930 21.8323  $-2*(1+8*x)/(2*x+1)/(-1+4*x)$  lgdogf  
A071930 7.39357  $[{-a(n+2)+2*a(n+1)+8*a(n), a(0) = 0, a(1) = 6}, ogf]$   
A071934 8.83580  $[(x^7+x^6+x^5+x^4+x^3+x^2-x+1)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2 ogf]$   
A071936 13.0715  $[-(x^7+x^6+x^5+x^4+x^3+x^2-x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1) ogf]$   
A071938 8.77747  $-1+(3-3*x)*f(x)+(-3-3*x^2+6*x)*f(x)^2+(-3*x+3*x^2-x^3+1)*f(x)^3$  lgdogf  
A071952 8.18780  $-8*(-5+127*x+1440*x^3-864*x^2)/(12*x-1)/(6*x-1)/(20*x-1)/(2*x-1)$  lgdogf  
A071952 9.22603  $[1/(-1+12*x)/(6*x-1)/(20*x-1)/(2*x-1) ogf]$   
A071953 17.4715  $-(13+42*x+15*x^2)/(x-1)/(3*x^2+6*x+1)$  lgdogf  
A071953 6.66440  $[-4*(3*x^2+6*x+1)/(x-1)^7 ogf]$   
A071954 12.0130  $-2*(-1+5*x+3*x^3-9*x^2)/(x-1)/(-1+3*x)/(x^2-4*x+1)$  lgdogf  
A071954 13.7701  $[2*(3*x-1)/(x-1)/(x^2-4*x+1) ogf]$   
A071954 6.45853  $[{a(n+3)-5*a(n+2)+5*a(n+1)-a(n), a(0) = 2, a(1) = 4, a(2) = 10}, ogf]$   
A071969 31.1894  $-x*(-1+x)/(1+x)/(x^2-x+1)$  revogf  
A071976 9.15082  $8+(-12+48*x)*f(x)+(6+96*x^2-48*x)*f(x)^2+(12*x-48*x^2+64*x^3-1)*f(x)^3$  lgdogf  
A072025 15.7511  $-(11+33*x+x^3+15*x^2)/(x-1)/(x+1)/(x^2+4*x+1)$  lgdogf  
A072025 8.24956  $[-(x^2+4*x+1)*(x+1)^2/(x-1)^5 ogf]$   
A072065 10.5855  $-(9+13*x+7*x^5+31*x^4+2*x^6+20*x^3+14*x^2)/(x-1)/(x+1)/(x^2+1)/(x^3+2*x^2+7*x+2)$  lgdogf  
A072065 11.7695  $[x*(x^3+2*x^2+7*x+2)/(x+1)/(x^2+1)/(x-1)^2 ogf]$   
A072100 3.63431  $[{(-4*n-8)*a(n+1)+(4*n+6)*a(n+2)+(n+6)*a(n+3)+(-n-4)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5}, ogf]$   
A072110 12.2075  $[(3*x-1)/(x-1)/(x^2-4*x+1) ogf]$   
A072110 12.9412  $-2*(-1+5*x-9*x^2+3*x^3)/(x-1)/(3*x-1)/(x^2-4*x+1)$  lgdogf  
A072110 5.77674  $[{a(n+3)-5*a(n+2)+5*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 5}, ogf]$   
A072130 7.29382  $[-(-5+2*x+2*x^7-3*x^6-8*x^5+14*x^4+2*x^3+2*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-3*x+1)/(x^2-x-1) lgdogf]$   
A072130 8.22765  $[x*(x+1)*(x^2-x-1)/(x-1)/(x^2+x+1)/(x^2-3*x+1) ogf]$   
A072132 10.7250  $-8+(12-12*x)*f(x)+(-6-6*x^2+12*x)*f(x)^2+(-3*x+3*x^2-x^3+1)*f(x)^3$  lgdegf  
A072134 7.29210  $(5+22*x+18*x^7+54*x^6+42*x^5-3*x^4-10*x^3+20*x^2)/(x+1)/(3*x^2-1)/(3*x^5+9*x^4+11*x^3-2*x^2-8*x-3)$  lgdogf  
A072134 8.47497  $[(3*x^5+9*x^4+11*x^3-2*x^2-8*x-3)/(x+1)/(3*x^2-1) ogf]$   
A072150 5.52323  $[(x^12+3*x^11+5*x^10+7*x^9+7*x^8+8*x^7+9*x^6+8*x^5+7*x^4+7*x^3+5*x^2+3*x+1)/(x^6+x^3+1)/(x-1)^2/(x^2+x+1)^2 ogf]$   
A072153 5.38208  $[(x^6+x^3+1)*(x^2+x+1)^2/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]$   
A072154 23.0331  $[-x^5+x^4-x+3 ogf\_with\_Euler\_transform]$   
A072154 8.20820  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(x^4+x^3+x^2+x+1)/(x-1)^2 ogf]$   
A072172 12.4212  $[5*(25*x+1)/(25*x-1)^2 ogf]$   
A072172 16.0518  $-1/50*(-1-10*x+(1+40*x)^(1/2))/(5*x-1)$  revogf  
A072172 20.3323  $-25*(3+25*x)/(25*x-1)/(25*x+1)$  lgdogf  
A072172 7.13862  $[{-a(n+2)+50*a(n+1)-625*a(n), a(0) = 5, a(1) = 375}, ogf]$   
A072173 12.5203  $-1/114242*(-1-478*x+(1+1912*x)^(1/2))/(-1+239*x)$  revogf  
A072173 14.3090  $-57121*(3+57121*x)/(57121*x-1)/(57121*x+1)$  lgdogf  
A072175 7.43838  $[-(2*x^7+2*x^6+x^5-x^4+x+1)/(x-1)/(x^4+1)/(x^2+1) ogf]$   
A072175 9.30792  $-2*(x^2+x+1)*(2*x^10-3*x^9+x^8+x^7-x^5+6*x^4-3*x^3+2*x^2-2*x+1)/(x-1)/(x^2+1)/(x^4+1)/(2*x^7+2*x^6+x^5-x^4+x+1)$  lgdogf

A072176 10.9203  $-( -1+3*x^6+2*x^5-10*x^4+5*x^2)/(x-1)/(x^2+x-1)/(x^4-2*x^2-x+1)$   
lgdogf  
A072176 8.97619  $[(x^2+x-1)/(x-1)/(x^4-2*x^2-x+1) \text{ ogf}]$   
A072196 5.07026  $[ \{-a(n+2)+65*a(n+1)-64*a(n), a(0) = 3, a(1) = 213\}, \text{ ogf}]$   
A072196 8.68942  $-1/4*(-3-65*x+(9+462*x+3969*x^2)^{(1/2)})/(-9+32*x) \text{ revogf}$   
A072196 9.08421  $[ 3*(6*x+1)/(64*x-1)/(x-1) \text{ ogf}]$   
A072196 9.90190  $-(-71+128*x+384*x^2)/(x-1)/(64*x-1)/(6*x+1) \text{ lgdogf}$   
A072197 14.7069  $-1/4*(-3-5*x+(9+22*x+9*x^2)^{(1/2)})/(1+2*x) \text{ revogf}$   
A072197 16.2550  $-(13-24*x+8*x^2)/(x-1)/(4*x-1)/(2*x-3) \text{ lgdogf}$   
A072197 16.6666  $[ -(2*x-3)/(x-1)/(4*x-1) \text{ ogf}]$   
A072197 9.03613  $[ \{-a(n+2)+5*a(n+1)-4*a(n), a(0) = 3, a(1) = 13\}, \text{ ogf}]$   
A072201 12.1133  $[ -(14*x-15)/(x-1)/(4*x-1) \text{ ogf}]$   
A072201 12.3810  $-1/4*(-15-5*x+(225+94*x+9*x^2)^{(1/2)})/(7+2*x) \text{ revogf}$   
A072201 13.2654  $-(61-120*x+56*x^2)/(14*x-15)/(x-1)/(4*x-1) \text{ lgdogf}$   
A072201 6.77768  $[ \{-a(n+2)+5*a(n+1)-4*a(n), a(0) = 15, a(1) = 61\}, \text{ ogf}]$   
A072221 11.7058  $-2*(2-3*x+2*x^4-3*x^3-2*x^2)/(x-1)/(x^2-6*x+1)/(4*x^2-3*x+1)$   
lgdogf  
A072221 11.7195  $[ -(4*x^2-3*x+1)/(x-1)/(x^2-6*x+1) \text{ ogf}]$   
A072221 6.32648  $[ \{a(n+3)-7*a(n+2)+7*a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 25\},$   
ogf]  
A072222 11.1056  $[ (2*x^7-4*x^6+4*x^4-x^2+1)/(x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A072222 8.86638  $(-1+x+6*x^9-10*x^8+2*x^7-10*x^6+20*x^5-2*x^4-15*x^3-3*x^2)/$   
 $(x-1)/(x^2+x+1)/(2*x^7-4*x^6+4*x^4-x^2+1) \text{ lgdogf}$   
A072229 11.6986  $[ (x^2+1)*(x+1)*x^4/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A072229 30.9668  $[ x^6-x^3+2 \text{ ogf\_with\_Euler\_transform}]$   
A072229 8.74555  $- (2+4*x+5*x^9+7*x^8+9*x^7+11*x^6+4*x^5+4*x^4+4*x^3+6*x^2)/(x-1)/$   
 $(x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1) \text{ lgdogf}$   
A072251 10.5467  $[ -3*(24*x^2-30*x+5)/(x-1)/(4*x-1)^2 \text{ ogf}]$   
A072251 13.7613  $-3*(4*x-5)*(8*x^2-8*x+1)/(x-1)/(4*x-1)/(24*x^2-30*x+5) \text{ lgdogf}$   
A072251 5.89897  $[ \{-a(n+3)+9*a(n+2)-24*a(n+1)+16*a(n), a(0) = 15, a(1) = 45, a(2)$   
 $= 117\}, \text{ ogf}]$   
A072256 12.7644  $[ -(9*x-1)/(x^2-10*x+1) \text{ ogf}]$   
A072256 13.6948  $-1/2*(-1-10*x+(1-16*x+96*x^2)^{(1/2)})/(9+x) \text{ revogf}$   
A072256 16.4337  $-(1-2*x+9*x^2)/(9*x-1)/(x^2-10*x+1) \text{ lgdogf}$   
A072256 7.07425  $[ \{a(n+2)-10*a(n+1)+a(n), a(0) = 1, a(1) = 1\}, \text{ ogf}]$   
A072257 4.31282  $[ \{-a(n+3)+9*a(n+2)-24*a(n+1)+16*a(n), a(0) = -6, a(1) = -15,$   
 $a(2) = -27\}, \text{ ogf}]$   
A072257 7.69672  $[ 3*(12*x^2-13*x+2)/(x-1)/(4*x-1)^2 \text{ ogf}]$   
A072257 9.20910  $-(-5+52*x+48*x^3-92*x^2)/(x-1)/(4*x-1)/(12*x^2-13*x+2) \text{ lgdogf}$   
A072258 12.8279  $-(23-52*x+32*x^2)/(x-1)/(4*x-3)/(4*x-1) \text{ lgdogf}$   
A072258 4.46732  $[ \{-a(n+3)+9*a(n+2)-24*a(n+1)+16*a(n), a(0) = 0, a(1) = 9, a(2) =$   
 $69\}, \text{ ogf}]$   
A072258 8.48790  $[ 3*x*(4*x-3)/(x-1)/(4*x-1)^2 \text{ ogf}]$   
A072259 10.6417  $[ -3*(12*x^2-17*x+4)/(x-1)/(4*x-1)^2 \text{ ogf}]$   
A072259 5.95212  $[ \{-a(n+3)+9*a(n+2)-24*a(n+1)+16*a(n), a(0) = 12, a(1) = 57, a(2)$   
 $= 261\}, \text{ ogf}]$   
A072259 8.30753  $-(-19+92*x+48*x^3-124*x^2)/(x-1)/(4*x-1)/(12*x^2-17*x+4) \text{ lgdogf}$   
A072260 4.00142  $[ \{-a(n+3)+9*a(n+2)-24*a(n+1)+16*a(n), a(0) = 6, a(1) = 33, a(2)$   
 $= 165\}, \text{ ogf}]$   
A072260 7.20255  $[ -3*(4*x^2-7*x+2)/(x-1)/(4*x-1)^2 \text{ ogf}]$   
A072260 8.77670  $-(2*x-1)*(8*x^2-22*x+11)/(x-1)/(4*x-1)/(4*x^2-7*x+2) \text{ lgdogf}$   
A072261 13.3258  $[ -(6*x-7)/(x-1)/(4*x-1) \text{ ogf}]$   
A072261 13.6581  $-1/4*(-7-5*x+(49+46*x+9*x^2)^{(1/2)})/(3+2*x) \text{ revogf}$   
A072261 15.0589  $-(29-56*x+24*x^2)/(x-1)/(6*x-7)/(4*x-1) \text{ lgdogf}$   
A072261 7.22484  $[ \{-a(n+2)+5*a(n+1)-4*a(n), a(0) = 7, a(1) = 29\}, \text{ ogf}]$   
A072262 13.0876  $[ -(10*x-11)/(x-1)/(4*x-1) \text{ ogf}]$   
A072262 13.3945  $-1/4*(-11-5*x+(121+70*x+9*x^2)^{(1/2)})/(5+2*x) \text{ revogf}$   
A072262 14.7013  $-(45-88*x+40*x^2)/(10*x-11)/(x-1)/(4*x-1) \text{ lgdogf}$   
A072262 7.32282  $[ \{-a(n+2)+5*a(n+1)-4*a(n), a(0) = 11, a(1) = 45\}, \text{ ogf}]$   
A072263 14.9015  $[ (3*x-2)/(5*x^2+3*x-1) \text{ ogf}]$   
A072263 16.8681  $-(-3-20*x+15*x^2)/(3*x-2)/(5*x^2+3*x-1) \text{ lgdogf}$

A072263 8.17767 [  $\{-a(n+2)+3a(n+1)+5a(n), a(0) = 2, a(1) = 3\}$ , ogf]  
A072264 17.0145 [  $(2x-1)/(5x^2+3x-1)$  ogf]  
A072264 19.2980  $-(-1-10x+10x^2)/(2x-1)/(5x^2+3x-1)$  lgdogf  
A072264 9.33724 [  $\{-a(n+2)+3a(n+1)+5a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A072265 17.0816 [  $(x-2)/(4x^2+x-1)$  ogf]  
A072265 22.2078  $-(-1-16x+4x^2)/(x-2)/(4x^2+x-1)$  lgdogf  
A072265 9.37404 [  $\{-a(n+2)+a(n+1)+4a(n), a(0) = 2, a(1) = 1\}$ , ogf]  
A072266 6.30770  $(1-12x+14x^6-56x^5+126x^4-120x^3+55x^2)/(4x-1)/(x^3-6x^2+5x-1)/(2x^4-16x^3+20x^2-8x+1)$  lgdogf  
A072266 7.16110 [  $(2x^4-16x^3+20x^2-8x+1)/(4x-1)/(x^3-6x^2+5x-1)$  ogf]  
A072277 14.7555  $-(-25+23x+3x^3-13x^2)/(x-2)/(x-1)/(3x^2-5x+5)$  lgdogf  
A072277 4.06774 [  $\{(7n^2+53n+78)a(n+1)+(-14n^2-96n-156)a(n+2)+(7n^2+43n+66)a(n+3), a(0) = 10, a(1) = 25, a(2) = 51\}$ , ogf]  
A072279 9.40665 [  $-(x-2)(3x^2-5x+5)/(x-1)^4$  ogf]  
A072290 12.0845  $-(-11-21x+1820x^3-330x^2)/(x-1)/(10x-1)/(91x^2-11x+1)$  lgdogf  
A072290 9.29445 [  $(91x^2-11x+1)/(10x-1)^2/(x-1)^2$  ogf]  
A072328 15.1345 [  $(x^2-3)/(2x^3+x^2-1)$  ogf]  
A072328 20.2818  $-2x(-2+x^3-9x)/(x^2-3)/(2x^3+x^2-1)$  lgdogf  
A072328 8.62506 [  $\{a(n+3)-a(n+1)-2a(n), a(0) = 3, a(1) = 0, a(2) = 2\}$ , ogf]  
A072329 3.89568 [  $\{a(n+3)-2a(n+1)-3a(n), a(0) = 3, a(1) = 0, a(2) = 4\}$ , ogf]  
A072329 6.83581 [  $(2x^2-3)/(3x^3+2x^2-1)$  ogf]  
A072329 8.01735  $-x(-8+6x^3-27x)/(2x^2-3)/(3x^3+2x^2-1)$  lgdogf  
A072331 9.04821  $2(-32x-20+(-(-1+8x)^3)^{1/2})/(8x+3)/(-1+8x)$  lgdegf  
A072333 3.98865 [  $x^{18}-3x^{17}+3x^{16}-x^{15}+x^{14}+10x^9+5x^8+6x^6+x^5+4x^4+2x^3+4x^2+2x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^4$  ogf]  
A072335 18.4083  $-4(1+x^3-3x^2)/(x-1)/(x+1)/(x^2-4x+1)$  lgdogf  
A072335 20.2531 [  $-1/(x-1)/(x+1)/(x^2-4x+1)$  ogf]  
A072335 5.94733 [  $\{a(n+4)-4a(n+3)+4a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 16, a(3) = 60\}$ , ogf]  
A072336 11.1918 [  $-(-x^3+3x^2-3)/(x^4+3x^3-3x+1)$  ogf\_with\_Euler\_transform]  
A072338 12.3167 [  $-(-x^3+2x^2-2)/(x^4+2x^3-2x+1)$  ogf\_with\_Euler\_transform]  
A072345 11.9673  $-2(1+x-3x^4+4x^5+2x^6-4x^3)/(x-1)/(x+1)/(2x^2-1)/(2x^3+2x^2-2x-1)$  lgdogf  
A072345 13.8720 [  $-(2x^3+2x^2-2x-1)/(2x^2-1)/(x-1)/(x+1)$  ogf]  
A072371 5.92123 [  $\{(4n^2+12n+9)a(n+1)-a(n+3)+2a(n+2), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A072373 4.79412 [  $-(-8x^7-80x^6+280x^5-417x^4+278x^3-70x^2+6x-1)/(x-1)^2/(x^2-4x+1)^2$  ogf]  
A072374 4.66628 [  $\{(-n-4)a(n+1)+(n+4)a(n+2)-2a(n+4)+3a(n+3), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 6\}$ , ogf]  
A072401 6.74477 [  $-x^7(x^2-x+1)(x^{22}+x^{21}+x^{14}+x^{13}-x^{11}-x^{10}+x^8+x^7+x^6-x^4-x^3+x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x^{16}+1)$  ogf]  
A072442 10.2402 [  $-(x^{34}-x^{33}+x^5-x^4+x^2-x-1)/(x-1)^2$  ogf]  
A072465 11.2936 [  $-(x+1)/(x^5+x^4+x^3+x^2-1)$  ogf]  
A072465 12.8452  $-(2x^2+2x+1)(2x^3+2x^2+1)/(x+1)/(x^5+x^4+x^3+x^2-1)$  lgdogf  
A072474 11.2749  $-(13+63x+25x^3+77x^2+2x^4)/(x-1)/(x^2+3x+1)/(x^2+4x+1)$  lgdogf  
A072474 6.57364 [  $(x^2+3x+1)(x^2+4x+1)/(x-1)^6$  ogf]  
A072477 4.96982 [  $\{(16n^2+112n+196)a(n+1)-a(n+2), a(0) = 18, a(1) = 1800\}$ , ogf]  
A072478 7.41620  $(2+8x-16x^3-6x^2+12x^{10}+8x^5-5x^4-32x^8+31x^6)/(x-1)/(x+1)/(2x^2-1)/(2x^7-x^5-4x^3-2x^2+2x+2)$  lgdogf  
A072478 9.38856 [  $x(2x^7-x^5-4x^3-2x^2+2x+2)/(x-1)/(x+1)/(2x^2-1)$  ogf]  
A072507 5.59510  $2/(2x+1)$  lgdogf  
A072557 10.9685 [  $(x^4+x^3+5x^2+6x+5)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A072557 8.04204  $-(11+21x+21x^3+19x^2+22x^6+4x^7+2x^8+43x^4+37x^5)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+x^3+5x^2+6x+5)$  lgdogf  
A072561 6.86547 [  $(3x^{10}+2x^9+x^8+2x^7+x^6+2x^5+x^4+2x^3+x^2+2x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]

A072563 7.16812 [  $-(15*x^5+23*x^4-39*x^3-45*x^2+9*x+9)/(x-1)/(x+1)/(x^4-5*x^2+1)$  ogf ]  
A072674 10.9340 [  $2*x*(5*x-2)/(x-1)/(3*x-1)/(2*x-1)$  ogf ]  
A072674 11.7654 [  $(-7+44*x+60*x^3-91*x^2)/(x-1)/(3*x-1)/(2*x-1)/(5*x-2)$  lgdogf ]  
A072674 5.70888 [  $\{a(n+3)-6*a(n+2)+11*a(n+1)-6*a(n), a(0) = 0, a(1) = 4, a(2) = 14\}$ , ogf ]  
A072675 7.37062 [  $(x^8+18*x^7+13*x^6+6*x^5+3*x^4+11*x^3+6*x^2+x+1)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf ]  
A072682 10.4534 [  $3*(x^4+x^3+6*x^2+11*x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf ]  
A072682 8.90043 [  $(12+x^7+24*x+20*x^5+3*x^6+27*x^3+21*x^2+52*x^4)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+6*x^2+11*x+1)$  lgdogf ]  
A072683 7.54533 [  $(7*x^8+6*x^7+x^6+2*x^5+18*x^4+13*x^3+6*x^2+3*x+4)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf ]  
A072684 6.30087 [  $(3+4*x^7+x^8+26*x-24*x^5+4*x^6-26*x^3+2*x^2-15*x^4)/(x+1)/(x^2-3*x+1)/(x^2-x-1)/(x^4+2*x^3+3*x^2+x+2)$  lgdogf ]  
A072684 7.05239 [  $-(x^4+2*x^3+3*x^2+x+2)/(x+1)/(x^2-3*x+1)/(x^2-x-1)$  ogf ]  
A072702 10.5365 [  $3*(3*x^4+11*x^3+2*x^2+x+3)/(x+1)/(x^2+1)/(x-1)^2$  ogf ]  
A072702 8.57414 [  $(4+3*x^7+8*x+20*x^5+25*x^6+41*x^3+39*x^2+20*x^4)/(x-1)/(x+1)/(x^2+1)/(3*x^4+11*x^3+2*x^2+x+3)$  lgdogf ]  
A072703 12.4400 [  $5*(x^2+x+1)/(x+1)/(x-1)^2$  ogf ]  
A072703 18.5779 [  $(2+6*x+x^3+3*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf ]  
A072703 30.2008 [  $-x^2+x+2$  ogf\_with\_Euler\_transform ]  
A072703 6.65652 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 10, a(2) = 20\}$ , ogf ]  
A072708 10.3724 [  $3*(4*x^4+2*x^3+x^2+6*x+7)/(x+1)/(x^2+1)/(x-1)^2$  ogf ]  
A072708 8.75171 [  $(13+4*x^7+15*x+9*x^5+8*x^6+60*x^3+20*x^2+31*x^4)/(x-1)/(x+1)/(x^2+1)/(4*x^4+2*x^3+x^2+6*x+7)$  lgdogf ]  
A072709 7.47796 [  $(4*x^8+13*x^7+6*x^6+3*x^5+11*x^4+6*x^3+x^2+2*x+14)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf ]  
A072710 10.3529 [  $3*(9*x^4+2*x^3+x^2+6*x+2)/(x+1)/(x^2+1)/(x-1)^2$  ogf ]  
A072710 8.53190 [  $(8+9*x^7+10*x+14*x^5+13*x^6+55*x^3+15*x^2+36*x^4)/(x-1)/(x+1)/(x^2+1)/(9*x^4+2*x^3+x^2+6*x+2)$  lgdogf ]  
A072711 7.33688 [  $(2*x^8+6*x^7+3*x^6+11*x^5+6*x^4+x^3+2*x^2+18*x+11)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf ]  
A072751 11.3942 [  $(x^2+1)*(x^{12}-x^{11}-x^{10}+x^9+x^8-x^7-x^6+x^5+2*x^4-x^3-x-1)/(x-1)$  ogf ]  
A072751 7.65888 [  $(2+2*x-12*x^3+5*x^2-6*x^5+5*x^6+13*x^{12}-26*x^{13}+13*x^{14}+6*x^4)/(x-1)/(x^2+1)/(x^{12}-x^{11}-x^{10}+x^9+x^8-x^7-x^6+x^5+2*x^4-x^3-x-1)$  lgdogf ]  
A072818 11.3121 [  $20*x/(x^2-98*x+1)$  ogf ]  
A072818 18.8468 [  $-2*(-49+x)/(x^2+1-98*x)$  lgdogf ]  
A072818 5.31531 [  $\{a(n+2)-98*a(n+1)+a(n), a(0) = 0, a(1) = 20\}$ , ogf ]  
A072818 8.33609 [  $(-49*x-10+2*(1+5*x)^{(1/2)}*(24*x+5)^{(1/2)}*5^{(1/2)})/x$  revogf ]  
A072819 33.3919 [  $-2*(3+2*x)/(x-1)/(x+1)$  lgdogf ]  
A072819 35.0456 [  $[6-x]$  ogf\_with\_Euler\_transform ]  
A072819 5.61961 [  $\{(n+1)*a(n+3)-6*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 8\}$ , ogf ]  
A072819 9.38973 [  $-8*x^2*(x+1)/(x-1)^5$  ogf ]  
A072827 4.26015 [  $-(x^9+x^8+x^6+x^5-5*x^4-5*x^3-2*x^2-x-1)/(x^{10}+x^9+x^7+x^6-6*x^5-5*x^4-3*x^3-2*x^2-x+1)$  ogf ]  
A072833 12.5906 [  $x*(3*x^2-2*x+5)/(x^2+1)/(x-1)^2$  ogf ]  
A072833 4.66554 [  $\{(3*n+10)*a(n+1)+(-3*n-7)*a(n+2)+(3*n+10)*a(n+3)+(-3*n-7)*a(n+4), a(0) = 0, a(1) = 5, a(2) = 8, a(3) = 9\}$ , ogf ]  
A072833 5.76617 [  $-2*(4-3*x-3*x^3+11*x^2+3*x^4)/(x-1)/(1+x^2)/(3*x^2-2*x+5)$  lgdogf ]  
A072834 12.6075 [  $x*(x^3+3*x^2+5*x+7)/(x+1)/(x^2+1)/(x-1)^2$  ogf ]  
A072835 11.5152 [  $-2*x*(x^4-x^3-2*x^2-3*x-4)/(x+1)/(x^2+1)/(x-1)^2$  ogf ]  
A072836 9.61035 [  $-x*(5*x^6-x^5-3*x^4-x^3-4*x^2-7*x-9)/(x^2-x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf ]  
A072844 12.2444 [  $(-9+52*x+16*x^3-75*x^2)/(-1+4*x)/(x^3-6*x^2+5*x-1)$  lgdogf ]  
A072844 12.3075 [  $x^3/(4*x-1)/(x^3-6*x^2+5*x-1)$  ogf ]  
A072863 10.5340 [  $-(3*x^2-3*x+1)/(2*x-1)^3$  ogf ]  
A072863 16.8364 [  $-3*(1-2*x+2*x^2)/(2*x-1)/(3*x^2-3*x+1)$  lgdogf ]

A072863 5.77974 [ {a(n+3)-6\*a(n+2)+12\*a(n+1)-8\*a(n), a(0) = 1, a(1) = 3, a(2) = 9}, ogf ]  
A072878 6.54191 -3+(9-x^3)\*f(x)+(-9+2\*x^3)\*f(x)^2+(-x^3+3)\*f(x)^3 lgdegf  
A072879 5.10075  
24+3\*x^4-5384\*x^3-84\*x^2+(-48-3\*x^4+10768\*x^3+168\*x^2)\*f(x)+(-5384\*x^3+24-84\*x^2)\*f(x)^2 lgdegf  
A072881 6.69137 [ -(3\*x^5+7\*x^4-11\*x^3-13\*x^2+x+1)/(x-1)/(x+1)/(x^4-13\*x^2+1) ogf ]  
A072886 7.80223 (3-x  
+6\*x^8-13\*x^7+7\*x^6+28\*x^27-55\*x^28+27\*x^29+32\*x^31-63\*x^32+31\*x^33)/(x-1)/(x^33-x^32+x^29-x^28+x^8-x^7+x-2) lgdogf  
A072886 9.18454 [ -(x^33-x^32+x^29-x^28+x^8-x^7+x-2)/(x-1)^2 ogf ]  
A072944 10.1622 (3+8\*x+8\*x^6+16\*x^3+18\*x^2+16\*x^4)/(4\*x^3-1)/(2\*x^4+2\*x^3-4\*x^2-3\*x-2) lgdogf  
A072944 11.1661 [ (2\*x^4+2\*x^3-4\*x^2-3\*x-2)/(4\*x^3-1) ogf ]  
A072944 6.65867 [ {a(n+5)-4\*a(n+2), a(0) = 2, a(1) = 3, a(2) = 4, a(3) = 6, a(4) = 10}, ogf ]  
A072946 15.9423 [ -(4\*x^2+2\*x+1)/(2\*x^2-1) ogf ]  
A072946 19.1556 -2\*(1+6\*x+2\*x^2)/(4\*x^2+2\*x+1)/(2\*x^2-1) lgdogf  
A072946 9.29968 [ {-a(n+3)+2\*a(n+1), a(0) = 1, a(1) = 2, a(2) = 6}, ogf ]  
A072975 3.78480 [ {(-27\*n^2-108\*n-105)\*a(n+1)+(2\*n^2+7\*n+6)\*a(n+2), a(0) = 1, a(1) = 24}, ogf ]  
A072975 8.22216 [ hypergeom([2/3, 4/3],[1/2],27/2\*x) ogf ]  
A072976 3.81508 [ {(27\*n^2+108\*n+96)\*a(n+1)+(-2\*n^2-7\*n-6)\*a(n+2), a(0) = 2, a(1) = 30}, ogf ]  
A072976 7.69169 [ 2\*hypergeom([1/3, 5/3],[1/2],27/2\*x) ogf ]  
A072985 14.1774 [ -(4\*x^2+2\*x+1)/(3\*x^2-1) ogf ]  
A072985 17.0147 -2\*(1+7\*x+3\*x^2)/(3\*x^2-1)/(4\*x^2+2\*x+1) lgdogf  
A072985 8.27015 [ {-a(n+3)+3\*a(n+1), a(0) = 1, a(1) = 2, a(2) = 7}, ogf ]  
A072988 11.0510 [ {-a(n+3)+a(n+1), a(0) = 1, a(1) = 3, a(2) = 10}, ogf ]  
A072988 19.1701 [ -(9\*x^2+3\*x+1)/(x-1)/(x+1) ogf ]  
A072988 22.4783 -(3+20\*x+3\*x^2)/(x-1)/(x+1)/(9\*x^2+3\*x+1) lgdogf  
A072996 10.3260 [ {-a(n+4)+a(n+2), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 2}, ogf ]  
A072996 17.3911 [ -(x^3+4\*x^2+x+1)/(x-1)/(x+1) ogf ]  
A072996 20.6953 (-1-10\*x-4\*x^2+x^4)/(x-1)/(x+1)/(x^3+4\*x^2+x+1) lgdogf  
A073031 15.3468 [ -1/(x^10+x^5+x^2+x-1) ogf ]  
A073031 17.2905 -(1+2\*x+10\*x^9+5\*x^4)/(x^2-1+x+x^10+x^5) lgdogf  
A073032 8.63418 [ -16\*(1203263\*x^3+1182187\*x^2+1256273\*x+1128061)/(x-1)/(x+1)/(x^2+1) ogf ]  
A073033 8.18815 [ -4\*(6072491\*x^3+7157509\*x^2+5130515\*x+4664095)/(x-1)/(x+1)/(x^2+1) ogf ]  
A073053 6.89576 [ -(101\*x^20+101\*x^19+101\*x^11+22\*x^10+11\*x^9+101\*x+11)/(x-1)/(x+1)/(x^2+1)/(x^8-x^6+x^4-x^2+1) ogf ]  
A073054 9.72231 [ (3\*x^20-x^19-2\*x^11-4\*x^10-2\*x-5)/(x-1)/(x+1)/(x^2+1)/(x^8-x^6+x^4-x^2+1) ogf ]  
A073071 5.47175 [ -(x^23-x^22-x^13+2\*x^10-2\*x^9-x^8-x^7-2\*x^6-x^5-x^4-x^3-x^2-x-3)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf ]  
A073080 4.85460 [ -3\*(4\*x^36-10\*x^33-2\*x^30+4\*x^27-8\*x^21-2\*x^12-x^9+x^6-x^3-1)/(x+1)/(4\*x^30+2\*x^24+2\*x^18+2\*x^12+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2 ogf ]  
A073104 2.74674 [ -(1601\*x^2-3122\*x+1523)/(x-1)^3 ogf ]  
A073145 12.7929 [ -(x^2+2\*x+3)/(x^3-x^2-x-1) ogf ]  
A073145 16.5702 -(-1-4\*x+4\*x^3+8\*x^2+x^4)/(x^2+2\*x+3)/(x^3-x^2-x-1) lgdogf  
A073145 6.96754 [ {-a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = -1, a(2) = -1}, ogf ]  
A073155 14.6584 1/2/x^2\*(-1-2\*x^2+(1+4\*x^2+4\*x^3)^(1/2)) revogf  
A073157 14.6584 -1/2-1/2\*x^2+1/2\*(1-2\*x^2+x^4+4\*x)^(1/2) revogf  
A073252 17.1770 [ -(-2\*x^2+2\*x-2)/(-x^4+1) ogf\_with\_Euler\_transform ]  
A073260 1.44125 [ 1+1/4\*x^2+1/4\*x^4+3/32\*x^5 ogf\_with\_Euler\_transform ]  
A073301 6.78579 (-20\*x^3-15\*x^2-16\*x^4-6\*x  
+x^12-2\*x^10+2\*x^9-3\*x^8-4\*x^7-12\*x^5-11\*x^6-2)/(x+1)/(x^2+1)/(x^6+2\*x^3-1)/(x^4+x^2+x+1) lgdogf



A073301 8.20198 [  $-(x+1)*(x^2+1)*(x^4+x^2+x+1)/(x^6+2*x^3-1)$  ogf]  
A073313 10.9141 [  $-(2*x-1)*(2*x-3)/(2*x^3-4*x^2+4*x-1)$  ogf]  
A073313 5.94429 [  $\{a(n+3)-4*a(n+2)+4*a(n+1)-2*a(n), a(0) = 3, a(1) = 4, a(2) = 8\}$ , ogf]  
A073313 9.88752  $-2*(2-8*x-16*x^3+17*x^2+4*x^4)/(2*x-1)/(2*x-3)/(2*x^3-4*x^2+4*x-1)$  lgdogf  
A073314 15.4396 [  $-(4*x-3)/(2*x^3-2*x+1)$  ogf]  
A073314 17.7549  $-2*(x-1)*(8*x^2-x-1)/(4*x-3)/(2*x^3-2*x+1)$  lgdogf  
A073314 7.39128 [  $\{-a(n+3)+2*a(n+2)-2*a(n), a(0) = 3, a(1) = 2, a(2) = 4\}$ , ogf]  
A073351 5.46627 [  $-x*(13*x^4+159*x^3+287*x^2+97*x+4)/(x-1)^7$  ogf]  
A073351 8.83285  $-(125+1156*x+688*x^3+1912*x^2+39*x^4)/(x-1)/(13*x^4+159*x^3+287*x^2+97*x+4)$  lgdogf  
A073352 4.45923 [  $\{-a(n+3)+17*a(n+2)-17*a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 55\}$ , ogf]  
A073352 7.71505  $-2*(2-13*x-13*x^3+78*x^2+2*x^4)/(x-1)/(4*x^2-13*x+1)/(x^2-16*x+1)$  lgdogf  
A073352 8.01267 [  $-(4*x^2-13*x+1)/(x-1)/(x^2-16*x+1)$  ogf]  
A073357 4.38056 [  $\{-a(n+3)+4*a(n+2)-4*a(n+1)+2*a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$ , ogf]  
A073357 8.53056 [  $x*(x-1)/(2*x^3-4*x^2+4*x-1)$  ogf]  
A073357 9.93141  $-(2*x-3)*(2*x^2-2*x+1)/(x-1)/(2*x^3-4*x^2+4*x-1)$  lgdogf  
A073358 12.9172 [  $x*(x-1)/(2*x^3-2*x+1)$  ogf]  
A073358 16.7156  $-(2*x-1)*(2*x^2-2*x-1)/(x-1)/(2*x^3-2*x+1)$  lgdogf  
A073358 6.80582 [  $\{a(n+3)-2*a(n+2)+2*a(n), a(0) = 0, a(1) = -1, a(2) = -1\}$ , ogf]  
A073371 14.0907 [  $1/(x+1)^2/(2*x-1)^2$  ogf]  
A073371 28.2016  $-2*(1+4*x)/(x+1)/(2*x-1)$  lgdogf  
A073371 4.57248 [  $\{(n+3)*a(n+3)+(-4-n)*a(n+2)+(-10-2*n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
A073372 11.2696 [  $-1/(x+1)^3/(2*x-1)^3$  ogf]  
A073372 30.8942  $-3*(1+4*x)/(x+1)/(2*x-1)$  lgdogf  
A073372 4.96754 [  $\{(n+3)*a(n+3)+(-5-n)*a(n+2)+(-14-2*n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 12\}$ , ogf]  
A073373 23.3369  $-4*(1+4*x)/(x+1)/(2*x-1)$  lgdogf  
A073373 3.76948 [  $\{(n+3)*a(n+3)+(-6-n)*a(n+2)+(-18-2*n)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 18\}$ , ogf]  
A073373 7.07359 [  $1/(x+1)^4/(2*x-1)^4$  ogf]  
A073374 22.9084  $-5*(1+4*x)/(x+1)/(2*x-1)$  lgdogf  
A073374 3.70076 [  $\{(n+3)*a(n+3)+(-7-n)*a(n+2)+(-22-2*n)*a(n+1), a(0) = 1, a(1) = 5, a(2) = 25\}$ , ogf]  
A073374 6.54087 [  $-1/(x+1)^5/(2*x-1)^5$  ogf]  
A073375 22.2097  $-6*(1+4*x)/(x+1)/(2*x-1)$  lgdogf  
A073375 3.58931 [  $\{(n+3)*a(n+3)+(-8-n)*a(n+2)+(-26-2*n)*a(n+1), a(0) = 1, a(1) = 6, a(2) = 33\}$ , ogf]  
A073376 21.1221  $-7*(1+4*x)/(x+1)/(2*x-1)$  lgdogf  
A073376 3.41641 [  $\{(n+3)*a(n+3)+(-9-n)*a(n+2)+(-30-2*n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 42\}$ , ogf]  
A073377 22.0237  $-8*(1+4*x)/(x+1)/(2*x-1)$  lgdogf  
A073377 3.53550 [  $\{(n+3)*a(n+3)+(-10-n)*a(n+2)+(-34-2*n)*a(n+1), a(0) = 1, a(1) = 8, a(2) = 52\}$ , ogf]  
A073378 22.7964  $-9*(1+4*x)/(x+1)/(2*x-1)$  lgdogf  
A073378 3.65672 [  $\{(n+3)*a(n+3)+(-11-n)*a(n+2)+(-38-2*n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 63\}$ , ogf]  
A073379 22.5028  $-10*(1+4*x)/(x+1)/(2*x-1)$  lgdogf  
A073379 3.73333 [  $\{(n+3)*a(n+3)+(-12-n)*a(n+2)+(-42-2*n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 75\}$ , ogf]  
A073380 25.8102  $-8*(x+1)/(x^2-1+2*x)$  lgdogf  
A073380 3.47742 [  $\{(n+3)*a(n+3)+(-12-2*n)*a(n+2)+(-9-n)*a(n+1), a(0) = 1, a(1) = 8, a(2) = 44\}$ , ogf]  
A073380 6.29248 [  $1/(x^2+2*x-1)^4$  ogf]  
A073381 26.2002  $-10*(x+1)/(x^2-1+2*x)$  lgdogf  
A073381 3.65305 [  $\{(n+3)*a(n+3)+(-14-2*n)*a(n+2)+(-11-n)*a(n+1), a(0) = 1, a(1) =$

10,  $a(2) = 65$ }, ogf]  
A073381 5.25765  $[-1/(x^2+2*x-1)^5$  ogf]  
A073382 27.6722  $-12*(x+1)/(x^2-1+2*x)$  lgdogf  
A073382 3.85377  $[{(n+3)*a(n+3)+(-16-2*n)*a(n+2)+(-13-n)*a(n+1)}, a(0) = 1, a(1) = 12, a(2) = 90$ }, ogf]  
A073383 26.2409  $-14*(x+1)/(x^2-1+2*x)$  lgdogf  
A073383 3.63378  $[{(n+3)*a(n+3)+(-18-2*n)*a(n+2)+(-15-n)*a(n+1)}, a(0) = 1, a(1) = 14, a(2) = 119$ }, ogf]  
A073384 24.6791  $-16*(x+1)/(x^2-1+2*x)$  lgdogf  
A073384 3.42093  $[{(n+3)*a(n+3)+(-20-2*n)*a(n+2)+(-17-n)*a(n+1)}, a(0) = 1, a(1) = 16, a(2) = 152$ }, ogf]  
A073385 22.9947  $-18*(x+1)/(x^2-1+2*x)$  lgdogf  
A073385 3.19139  $[{(n+3)*a(n+3)+(-22-2*n)*a(n+2)+(-19-n)*a(n+1)}, a(0) = 1, a(1) = 18, a(2) = 189$ }, ogf]  
A073386 23.6957  $-20*(x+1)/(x^2-1+2*x)$  lgdogf  
A073386 3.28637  $[{(n+3)*a(n+3)+(-24-2*n)*a(n+2)+(-21-n)*a(n+1)}, a(0) = 1, a(1) = 20, a(2) = 230$ }, ogf]  
A073388 14.1521  $[1/(2*x^2+2*x-1)^2$  ogf]  
A073388 21.2952  $-4*(2*x+1)/(2*x^2-1+2*x)$  lgdogf  
A073388 3.44491  $[{(n+3)*a(n+3)+(-8-2*n)*a(n+2)+(-10-2*n)*a(n+1)}, a(0) = 1, a(1) = 4, a(2) = 16$ }, ogf]  
A073389 11.5354  $[-1/(2*x^2+2*x-1)^3$  ogf]  
A073389 22.9936  $-6*(2*x+1)/(2*x^2-1+2*x)$  lgdogf  
A073389 5.12686  $[{(n+3)*a(n+3)+(-10-2*n)*a(n+2)+(-14-2*n)*a(n+1)}, a(0) = 1, a(1) = 6, a(2) = 30$ }, ogf]  
A073390 22.9252  $-8*(2*x+1)/(2*x^2-1+2*x)$  lgdogf  
A073390 3.67692  $[{(n+3)*a(n+3)+(-12-2*n)*a(n+2)+(-18-2*n)*a(n+1)}, a(0) = 1, a(1) = 8, a(2) = 48$ }, ogf]  
A073390 6.39283  $[1/(2*x^2+2*x-1)^4$  ogf]  
A073391 22.9973  $-10*(2*x+1)/(2*x^2-1+2*x)$  lgdogf  
A073391 3.81362  $[{(n+3)*a(n+3)+(-14-2*n)*a(n+2)+(-22-2*n)*a(n+1)}, a(0) = 1, a(1) = 10, a(2) = 70$ }, ogf]  
A073391 6.52553  $[-1/(2*x^2+2*x-1)^5$  ogf]  
A073392 21.7988  $-12*(2*x+1)/(2*x^2-1+2*x)$  lgdogf  
A073392 3.61784  $[{(n+3)*a(n+3)+(-16-2*n)*a(n+2)+(-26-2*n)*a(n+1)}, a(0) = 1, a(1) = 12, a(2) = 96$ }, ogf]  
A073393 20.6106  $-14*(2*x+1)/(2*x^2-1+2*x)$  lgdogf  
A073393 3.40160  $[{(n+3)*a(n+3)+(-18-2*n)*a(n+2)+(-30-2*n)*a(n+1)}, a(0) = 1, a(1) = 14, a(2) = 126$ }, ogf]  
A073394 19.3155  $-16*(2*x+1)/(2*x^2-1+2*x)$  lgdogf  
A073394 3.19139  $[{(n+3)*a(n+3)+(-20-2*n)*a(n+2)+(-34-2*n)*a(n+1)}, a(0) = 1, a(1) = 16, a(2) = 160$ }, ogf]  
A073397 20.0222  $-18*(2*x+1)/(2*x^2-1+2*x)$  lgdogf  
A073397 3.30537  $[{(n+3)*a(n+3)+(-22-2*n)*a(n+2)+(-38-2*n)*a(n+1)}, a(0) = 1, a(1) = 18, a(2) = 198$ }, ogf]  
A073398 20.6111  $-20*(2*x+1)/(2*x^2-1+2*x)$  lgdogf  
A073398 3.40035  $[{(n+3)*a(n+3)+(-24-2*n)*a(n+2)+(-42-2*n)*a(n+1)}, a(0) = 1, a(1) = 20, a(2) = 240$ }, ogf]  
A073446 5.72369  $[-(x^5-4*x^4-15*x^3-16*x^2-5*x+6)/(x^6-x^5+2*x^4+5*x^3+4*x^2+x-1)$  ogf]  
A073478 14.8167  $(1+\ln(x+1))*x+\ln(x+1)-x)/(x+1)/(x-1)^2$  lgdegf  
A073479 8.10609  $-n^2*a(n)+(9*n+5+4*n^2)*a(n+1)+(-9*n-6-3*n^2)*a(n+2), a(0)=1, a(1)=3$  lgdegf  
A073496 13.9701  $[-(3*x^2+2*x+3)/(x^3-3*x^2-x-1)$  ogf]  
A073496 15.7107  $-(x-1)*(3*x^3+7*x^2+13*x+1)/(3*x^2+2*x+3)/(x^3-3*x^2-x-1)$  lgdogf  
A073496 7.60872  $[{-a(n+3)-a(n+2)-3*a(n+1)+a(n)}, a(0) = 3, a(1) = -1, a(2) = -5$ }, ogf]  
A073498 12.5874  $-2*(2-12*x-16*x^3+21*x^2+6*x^4)/(6*x^2-8*x+3)/(2*x^3-6*x^2+4*x-1)$  lgdogf  
A073498 12.6677  $[-(6*x^2-8*x+3)/(2*x^3-6*x^2+4*x-1)$  ogf]  
A073498 6.89937  $[{a(n+3)-4*a(n+2)+6*a(n+1)-2*a(n)}, a(0) = 3, a(1) = 4, a(2) =$

4}], ogf]

A073531 23.0846  $9/(x+1)$  lgdegf

A073548 17.2523  $[(10^*x^2-5^*x+1)/(10^*x-1)/(x-1)$  ogf]

A073548 21.6685  $-6^*(-1+10^*x^2)/(x-1)/(10^*x-1)/(10^*x^2-5^*x+1)$  lgdogf

A073548 9.20121  $[-a(n+3)+11^*a(n+2)-10^*a(n+1), a(0) = 1, a(1) = 6, a(2) = 66]$ , ogf]

A073549 11.6018  $[{a(n+2)-11^*a(n+1)+10^*a(n), a(0) = 0, a(1) = 6}]$ , ogf]

A073549 19.8628  $-1/20^*(-6-11^*x+(12+44^*x+27^*x^2)^{(1/2)}*3^{(1/2)})/x$  revogf

A073549 24.6910  $[6^*x/(10^*x-1)/(x-1)$  ogf]

A073549 36.6698  $-(-11+20^*x)/(x-1)/(10^*x-1)$  lgdogf

A073550 11.3206  $2^*(7-20^*x+40^*x^2)/(x-1)/(10^*x-1)/(10^*x^2-19^*x+3)$  lgdogf

A073550 5.18646  $[{a(n+3)-11^*a(n+2)+10^*a(n+1), a(0) = 3, a(1) = 14, a(2) = 134}]$ , ogf]

A073550 9.73598  $[(10^*x^2-19^*x+3)/(10^*x-1)/(x-1)$  ogf]

A073551 16.6126  $[2^*(10^*x^2-5^*x+1)/(10^*x-1)/(x-1)$  ogf]

A073551 21.2358  $-6^*(-1+10^*x^2)/(x-1)/(10^*x-1)/(10^*x^2-5^*x+1)$  lgdogf

A073551 8.84970  $[-a(n+3)+11^*a(n+2)-10^*a(n+1), a(0) = 2, a(1) = 12, a(2) = 132]$ , ogf]

A073552 11.4543  $[-x^*(4^*x-1)/(10^*x-1)/(x-1)$  ogf]

A073552 13.3763  $-1/4^*(-1-11^*x+(1+6^*x+81^*x^2)^{(1/2)})/(2+5^*x)$  revogf

A073552 14.3795  $-(7-20^*x+40^*x^2)/(x-1)/(-1+4^*x)/(10^*x-1)$  lgdogf

A073552 5.67152  $[{-a(n+3)+11^*a(n+2)-10^*a(n+1), a(0) = 0, a(1) = 1, a(2) = 7}]$ , ogf]

A073553 11.1402  $[{a(n+2)-11^*a(n+1)+10^*a(n), a(0) = 2, a(1) = 14}]$ , ogf]

A073553 20.1472  $[-2^*(4^*x-1)/(10^*x-1)/(x-1)$  ogf]

A073553 21.2358  $-1/4^*(-2-11^*x+(4+12^*x+81^*x^2)^{(1/2)})/(4+5^*x)$  revogf

A073553 23.3594  $-(7-20^*x+40^*x^2)/(x-1)/(-1+4^*x)/(10^*x-1)$  lgdogf

A073554 17.8072  $[-2^*x*(10^*x-7)/(10^*x-1)/(x-1)$  ogf]

A073554 19.8803  $-1/20^*(-14-11^*x+(196+228^*x+81^*x^2)^{(1/2)})/(x+2)$  revogf

A073554 21.7297  $-(67-140^*x+100^*x^2)/(x-1)/(10^*x-7)/(10^*x-1)$  lgdogf

A073554 8.90360  $[{-a(n+3)+11^*a(n+2)-10^*a(n+1), a(0) = 0, a(1) = 14, a(2) = 134}]$ , ogf]

A073555 17.2523  $[-(2^*x+1)^*(5^*x-1)/(10^*x-1)/(x-1)$  ogf]

A073555 19.4574  $-4^*(2-10^*x+35^*x^2)/(x-1)/(2^*x+1)/(5^*x-1)/(10^*x-1)$  lgdogf

A073555 9.20121  $[{a(n+3)-11^*a(n+2)+10^*a(n+1), a(0) = 1, a(1) = 8, a(2) = 68}]$ , ogf]

A073556 17.8072  $[-x^*(10^*x-13)/(10^*x-1)/(x-1)$  ogf]

A073556 19.8803  $-1/20^*(-13-11^*x+(169+246^*x+81^*x^2)^{(1/2)})/(1+x)$  revogf

A073556 21.2358  $-(10^*x-7)^*(10^*x-19)/(x-1)/(10^*x-13)/(10^*x-1)$  lgdogf

A073556 8.90360  $[{a(n+3)-11^*a(n+2)+10^*a(n+1), a(0) = 0, a(1) = 13, a(2) = 133}]$ , ogf]

A073577 13.3689  $[(x^2-2^*x-7)/(x-1)^3$  ogf]

A073577 25.0058  $-(-23-2^*x+x^2)/(x-1)/(x^2-2^*x-7)$  lgdogf

A073577 7.15351  $[{a(n+3)-3^*a(n+2)+3^*a(n+1)-a(n), a(0) = 7, a(1) = 23, a(2) = 47}]$ , ogf]

A073583 7.58559  $[-(3^*x^{10}+5^*x^9-2^*x^8-3^*x^7+4^*x^6-3^*x^5+5^*x^4-x^3-x^2+x+1)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]

A073591 17.0493  $(x-2)^*(x^2-2^*x+3)/(x-1)/(x^2-3^*x+3)$  lgdegf

A073592 30.1237  $[1/(-x^2+2^*x-1)$  ogf\_with\_Euler\_transform]

A073636 10.4009  $[{-a(n+3)+a(n), a(0) = 1, a(1) = 8, a(2) = 9}]$ , ogf]

A073636 13.7965  $-(x+2)^*(9^*x^3-2^*x^2+7^*x+4)/(x-1)/(x^2+x+1)/(9^*x^2+8^*x+1)$  lgdogf

A073636 16.1320  $[-(9^*x^2+8^*x+1)/(x-1)/(x^2+x+1)$  ogf]

A073701 3.20057  $[{(n^2+4^*n+4)^*a(n+1)+(n^2+6^*n+8)^*a(n+2)-a(n+3), a(0) = 1, a(1) = 0, a(2) = 1}]$ , ogf]

A073702 5.74455  $-(1+2^*x+x^{10}+14^*x^9-140^*x^7+10^*x^6+73^*x^8+92^*x^3+77^*x^2+126^*x^4)/(x^3+x^2+x-1)/(x^3-3^*x^2-x-1)/(x^5+7^*x^4+28^*x^3-10^*x^2-x-9)$  lgdogf

A073702 6.78907  $[-(x^5+7^*x^4+28^*x^3-10^*x^2-x-9)/(x^3+x^2+x-1)/(x^3-3^*x^2-x-1)$  ogf]

A073710 16.5899  $[32^*x^{15}+16^*x^7+8^*x^3+4^*x+2$  ogf\_with\_Euler\_transform]

A073717 11.5462  $[-x^*(x+1)/(x^3+x^2+3^*x-1)$  ogf]

A073717 17.0622  $-2*(x+2)*(1+x^2)/(x+1)/(x^3+x^2+3*x-1)$  lgdogf  
A073717 5.92915  $[{-a(n+3)+3*a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 4},$   
ogf]  
A073720 10.8569  $[ -(3*x^2-5*x-1)/(5*x-1)/(x-1)$  ogf]  
A073720 12.8008  $(-11+16*x+7*x^2)/(x-1)/(5*x-1)/(3*x^2-5*x-1)$  lgdogf  
A073720 5.53283  $[{-a(n+3)+6*a(n+2)-5*a(n+1), a(0) = 1, a(1) = 11, a(2) = 58},$   
ogf]  
A073724 11.8727  $[ (3*x-1)/(4*x-1)/(x-1)^2$  ogf]  
A073724 15.8088  $-3*(1-5*x+8*x^2)/(x-1)/(3*x-1)/(-1+4*x)$  lgdogf  
A073724 5.61834  $[{a(n+3)-6*a(n+2)+9*a(n+1)-4*a(n), a(0) = 1, a(1) = 3, a(2) = 9},$   
ogf]  
A073728 13.3923  $[ -(x+3)/(x^3+x^2+x-1)$  ogf]  
A073728 17.3951  $-2*(2+3*x+x^3+5*x^2)/(x+3)/(x^3+x^2+x-1)$  lgdogf  
A073728 6.33743  $[{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 3, a(1) = 4, a(2) = 7},$   
ogf]  
A073729 14.3413  $[ (90*x^10-100*x^9+11)/(x-1)^2$  ogf]  
A073729 14.7835  $2*(-11+360*x^10-800*x^9+450*x^8)/(x-1)/(90*x^10-100*x^9+11)$   
lgdogf  
A073748 6.02359  $-(3-6*x$   
 $+x^10-10*x^9-12*x^7-16*x^5-90*x^6-73*x^8+44*x^3+33*x^2-98*x^4)/(x^3+x^2+3*x-1)/$   
 $(x^3-x^2-x-1)/(x^5-5*x^4-24*x^3-6*x^2-9*x+3)$  lgdogf  
A073748 7.77514  $[ -(x^5-5*x^4-24*x^3-6*x^2-9*x+3)/(x^3+x^2+3*x-1)/(x^3-x^2-x-1)$   
ogf]  
A073760 10.0346  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 6, a(1) = 10},$  ogf]  
A073760 18.5082  $[ -2*(x-3)/(x-1)^2$  ogf]  
A073760 30.2480  $-(-3-x+(9+4*x)^(1/2))/(x+2)$  revogf  
A073760 42.9840  $-(-5+x)/(x-1)/(x-3)$  lgdogf  
A073762 17.7351  $[ 12*(x+1)/(x-1)^2$  ogf]  
A073762 26.3813  $-(-6-x+2*(9+6*x)^(1/2))/(-12+x)$  revogf  
A073762 39.4928  $[ [3-x]$  ogf\_with\_Euler\_transform]  
A073762 45.4345  $-(x+3)/(x-1)/(x+1)$  lgdogf  
A073762 9.92319  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 12, a(1) = 36},$  ogf]  
A073763 12.8233  $[ 24*(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A073763 20.1302  $-(2+6*x+x^3+3*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A073763 32.6493  $[-x^2+x+2]$  ogf\_with\_Euler\_transform]  
A073763 7.13647  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 24, a(1) = 48, a(2) = 96},$   
ogf]  
A073769 5.69315  $-2*(-1+2*x^3)/(x-1)/(x^3+x^2+x-1)$  lgdogf  
A073769 5.95591  $[ x/(x-1)/(x^3+x^2+x-1)$  ogf]  
A073773 15.8483  $-4*(-5+2*x+4*x^2)/(2*x+1)/(2*x-1)/(4*x-3)$  lgdogf  
A073773 9.19875  $[ 2*x^3*(2*x+1)*(4*x-3)/(2*x-1)^3$  ogf]  
A073774 10.6317  $-(-17+18*x+96*x^3-120*x^2)/(2*x-1)/(32*x^4-16*x^3-18*x^2+9*x+1)$   
lgdogf  
A073774 6.55905  $[ 4*x^3*(32*x^4-16*x^3-18*x^2+9*x+1)/(2*x-1)^4$  ogf]  
A073775 12.3565  $[ (12*x^3-33*x^2+25*x-2)/(x-1)^4$  ogf]  
A073775 18.7855  $-(-17+9*x+12*x^3-30*x^2)/(x-1)/(12*x^3-33*x^2+25*x-2)$  lgdogf  
A073775 5.01788  $[{(-261*n^2-3777*n-6510)*a(n+1)+(82*n^2+1766*n+1470)*a(n$   
 $+2)+(179*n^2+691*n+462)*a(n+3), a(0) = -2, a(1) = 17, a(2) = 47},$  ogf]  
A073778 12.1399  $[ x^2/(x^3+x^2+x-1)^2$  ogf]  
A073778 24.4494  $-2*(1+2*x+3*x^2)/(x^2-1+x+x^3)$  lgdogf  
A073778 3.81720  $[{(n+5)*a(n+1)+(n+4)*a(n+2)+(n+3)*a(n+3)+(-n-2)*a(n+4), a(0) =$   
 $0, a(1) = 0, a(2) = 1, a(3) = 2},$  ogf]  
A073782 12.4497  $-2*(-1-4*x+4*x^3-8*x^2+x^4)/(x-1)/(x+3)/(x^2-1+x+x^3)$  lgdogf  
A073782 7.16423  $[ (x+3)^2*(x-1)^2/(x^3+x^2+x-1)^2$  ogf]  
A073788 7.57750  $[ -x*(170*x^13-154*x^6-x^5-x^4-x^3-x^2-x-1)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A073789 6.99585  $[ -x*(180*x^15-163*x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+1)/$   
 $(x^2+1)/(x-1)^2$  ogf]  
A073790 6.59270  $[ -x*(190*x^17-172*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^2+x+1)/$   
 $(x^6+x^3+1)/(x-1)^2$  ogf]  
A073795 6.94455  $[ -x*(15*x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+1)/(x^2+1)/$

$(x-1)^2 \text{ ogf}$   
A073796 6.23270 [  $-x*(17*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 \text{ ogf}$  ]  
A073817 9.75474 [  $(x^3+2*x^2+3*x-4)/(x^4+x^3+x^2+x-1) \text{ ogf}$  ]  
A073817 9.82679 [  $(-1-4*x+4*x^5+x^6-12*x^3-8*x^2+10*x^4)/(x^3+2*x^2+3*x-4)/(x^4+x^3+x^2+x-1) \text{ lgdogf}$  ]  
A073835 5.45923 [  $-x*(19*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}$  ]  
A073845 12.8809 [  $(2*x^2-2*x-1)/(2*x+1)/(x^2+x-1) \text{ ogf}$  ]  
A073845 13.8659 [  $(-1-2*x-8*x^3-10*x^2+4*x^4)/(2*x+1)/(2*x^2-2*x-1)/(x^2+x-1) \text{ lgdogf}$  ]  
A073845 7.07867 [  $\{-a(n+3)-a(n+2)+3*a(n+1)+2*a(n), a(0) = 1, a(1) = 1, a(2) = 0\}, \text{ ogf}$  ]  
A073937 11.2338 [  $(x^3-2*x^2+3*x-4)/(x^4+x^3-x^2+x-1) \text{ ogf}$  ]  
A073937 11.4285 [  $(-1+4*x-4*x^5+x^6-12*x^3-10*x^2+8*x^4)/(x^3-2*x^2+3*x-4)/(x^4+x^3-x^2+x-1) \text{ lgdogf}$  ]  
A073947 7.64377 [  $(-21*x^4-21*x^3+12*x^2-5*x+1)/(3*x-1)/(3*x^2+1)/(3*x^2-3*x+1) \text{ ogf}$  ]  
A073948 9.31204 [  $6*x^3*(x-1)/(3*x-1)/(3*x^2+1)/(3*x^2-3*x+1) \text{ ogf}$  ]  
A073948 9.50516 [  $(-5+30*x+108*x^5+198*x^3-96*x^2-243*x^4)/(x-1)/(3*x-1)/(3*x^2+1)/(3*x^2-3*x+1) \text{ lgdogf}$  ]  
A073949 8.21911 [  $2*x*(3*x^3-3*x^2+3*x-1)/(3*x-1)/(3*x^2+1)/(3*x^2-3*x+1) \text{ ogf}$  ]  
A073950 7.88018 [  $-(x-1)*(3*x^3-3*x^2+3*x-1)/(3*x-1)/(3*x^2+1)/(3*x^2-3*x+1) \text{ ogf}$  ]  
A073951 8.18290 [  $-x*(3*x^3+3*x^2-3*x+1)/(3*x-1)/(3*x^2+1)/(3*x^2-3*x+1) \text{ ogf}$  ]  
A073952 8.55067 [  $-3*x^2*(x-1)^2/(3*x-1)/(3*x^2+1)/(3*x^2-3*x+1) \text{ ogf}$  ]  
A073952 9.67019 [  $(-4+24*x+81*x^5+171*x^3-81*x^2-207*x^4)/(x-1)/(3*x-1)/(3*x^2+1)/(3*x^2-3*x+1) \text{ lgdogf}$  ]  
A073963 5.62103 [  $(-525*x^6-525*x^5+190*x^4-26*x^2+9*x-1)/(5*x-1)/(5*x^2-1)/(25*x^4-25*x^3+15*x^2-5*x+1) \text{ ogf}$  ]  
A073964 5.43478 [  $2*x*(50*x^5-50*x^4+5*x^3+15*x^2-7*x+1)/(5*x-1)/(5*x^2-1)/(25*x^4-25*x^3+15*x^2-5*x+1) \text{ ogf}$  ]  
A073965 5.61489 [  $2*x^2*(50*x^4-50*x^3+30*x^2-15*x+3)/(5*x-1)/(5*x^2-1)/(25*x^4-25*x^3+15*x^2-5*x+1) \text{ ogf}$  ]  
A073966 5.38013 [  $(-25*x^6-50*x^5+15*x^4+20*x^3-21*x^2+8*x-1)/(5*x-1)/(5*x^2-1)/(25*x^4-25*x^3+15*x^2-5*x+1) \text{ ogf}$  ]  
A073967 5.70061 [  $-x^2*(25*x^4+75*x^3-85*x^2+35*x-6)/(5*x-1)/(5*x^2-1)/(25*x^4-25*x^3+15*x^2-5*x+1) \text{ ogf}$  ]  
A073968 5.70061 [  $-x^2*(25*x^4-50*x^3+40*x^2-10*x-1)/(5*x-1)/(5*x^2-1)/(25*x^4-25*x^3+15*x^2-5*x+1) \text{ ogf}$  ]  
A073969 5.51470 [  $-x*(25*x^5-50*x^4+65*x^3-40*x^2+14*x-2)/(5*x-1)/(5*x^2-1)/(25*x^4-25*x^3+15*x^2-5*x+1) \text{ ogf}$  ]  
A073970 5.59701 [  $-x*(25*x^5-50*x^4+15*x^3-5*x^2+4*x-1)/(5*x-1)/(5*x^2-1)/(25*x^4-25*x^3+15*x^2-5*x+1) \text{ ogf}$  ]  
A073995 11.3749 [  $(-26*x^3-13*x^2+5*x-1)/(4*x-1)/(2*x-1)/(4*x^2+1) \text{ ogf}$  ]  
A073996 12.2286 [  $x*(6*x^2-3*x+1)/(4*x-1)/(2*x-1)/(4*x^2+1) \text{ ogf}$  ]  
A073997 11.6593 [  $(-2*x^3-3*x^2+4*x-1)/(4*x-1)/(2*x-1)/(4*x^2+1) \text{ ogf}$  ]  
A073998 12.2286 [  $-x*(2*x^2+5*x-2)/(4*x-1)/(2*x-1)/(4*x^2+1) \text{ ogf}$  ]  
A073999 12.8612 [  $-x^2*(2*x-3)/(4*x-1)/(2*x-1)/(4*x^2+1) \text{ ogf}$  ]  
A074048 7.65826 [  $(-1-4*x+20*x^5+10*x^6+4*x^7+x^8-12*x^3-8*x^2-15*x^4)/(x^5+x^4+x^3+x^2+x-1)/(x^4+2*x^3+3*x^2+4*x-5) \text{ lgdogf}$  ]  
A074048 8.30401 [  $(x^4+2*x^3+3*x^2+4*x-5)/(x^5+x^4+x^3+x^2+x-1) \text{ ogf}$  ]  
A074051 21.0221 [  $-a(n)+(-1-n)*a(n+1), a(0)=-1, a(1)=-1 \text{ lgdegf}$  ]  
A074058 11.2338 [  $(-x^3+2*x^2+3*x+4)/(x^4-x^3-x^2-x-1) \text{ ogf}$  ]  
A074058 12.7391 [  $(-1-4*x+4*x^5+x^6+12*x^3-10*x^2+8*x^4)/(x^3+2*x^2+3*x+4)/(x^4-x^3-x^2-x-1) \text{ lgdogf}$  ]  
A074059 21.9495 [  $-\ln(x+1)*x-\ln(x+1)+2*x \text{ revegf}$  ]  
A074061 8.94830 [  $(-4+12*x+8*x^5+x^6-4*x^3+37*x^2-2*x^4)/(x-1)/(x^2+5*x+1)/(x^4-10*x^2+1) \text{ lgdogf}$  ]  
A074061 9.82367 [  $-(x-1)*(x^2+5*x+1)/(x^4-10*x^2+1) \text{ ogf}$  ]  
A074062 5.27087 [  $-(x^4+2*x^3+3*x^2+4*x+5)/(x^5-x^4-x^3-x^2-x-1) \text{ ogf}$  ]

A074062 5.62662  $-( -1-4*x+12*x^5+8*x^6+4*x^7+x^8-20*x^3-10*x^2+15*x^4)/(x^4+2*x^3+3*x^2+4*x+5)/(x^5-x^4-x^3-x^2-x-1)$  lgdogf  
A074066 11.0527  $[(2*x^4-2*x^3-x^2+3*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A074066 14.3814  $2*(-2-x-7*x^3+x^4)/(x-1)/(x^2+x+1)/(2*x^4-2*x^3-x^2+3*x+1)$  lgdogf  
A074067 7.00941  $2*(-1-6*x+3*x^5-21*x^6+2*x^11-2*x^10+2*x^7+x^8-x^3-2*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(4*x^7-2*x^6-2*x^5-x^4-x^3+5*x^2+x+1)$  lgdogf  
A074067 8.42630  $[(4*x^7-2*x^6-2*x^5-x^4-x^3+5*x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A074068 6.75441  $[(6*x^10-2*x^9-2*x^8-2*x^7-x^6-x^5-x^4+7*x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A074081 10.3428  $[-(x^3-2*x^2+3*x+4)/(x^4-x^3+x^2-x-1)$  ogf]  
A074081 11.2349  $-( -1+4*x-4*x^5+x^6+12*x^3-8*x^2+10*x^4)/(x^3-2*x^2+3*x+4)/(x^4-x^3+x^2-x-1)$  lgdogf  
A074082 13.2757  $-( -6-8*x+8*x^3+5*x^2+3*x^4)/(x^2+x-1)/(x^3+2*x^2-2)$  lgdogf  
A074082 8.79300  $[x^4*(x^3+2*x^2-2)/(x^2+x-1)^3$  ogf]  
A074083 5.28954  $[x^5*(x+1)*(2*x^4+4*x^3-3*x^2-6*x+4)/(x^2+x-1)^4$  ogf]  
A074083 8.38029  $-(14+8*x+22*x^5+6*x^6-29*x^3-29*x^2+15*x^4)/(x+1)/(x^2+x-1)/(2*x^4+4*x^3-3*x^2-6*x+4)$  lgdogf  
A074084 19.0844  $-(9+10*x+3*x^2)/(x+2)/(x^2+2*x-1)$  lgdogf  
A074084 9.17562  $[x^3*(x+2)/(x^2+2*x-1)^2$  ogf]  
A074085 10.0487  $-2*(-12+5*x+16*x^3+26*x^2+3*x^4)/(x^2+2*x-1)/(2*x^3+8*x^2+6*x-5)$  lgdogf  
A074085 6.36748  $[x^4*(2*x^3+8*x^2+6*x-5)/(x^2+2*x-1)^3$  ogf]  
A074086 4.63199  $[x^5*(x+2)*(5*x^4+20*x^3+9*x^2-24*x+7)/(x^2+2*x-1)^4$  ogf]  
A074086 6.83795  $-(71-146*x+110*x^5+15*x^6+182*x^3-164*x^2+270*x^4)/(x+2)/(x^2+2*x-1)/(5*x^4+20*x^3+9*x^2-24*x+7)$  lgdogf  
A074087 15.4341  $-(11+30*x+27*x^2)/(3*x+2)/(3*x-1)/(x+1)$  lgdogf  
A074087 3.45799  $[{(9*n^2-21*n)*a(n)+(6*n^2-20*n-6)*a(n+1)+(-3*n^2+13*n-10)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6},$  ogf]  
A074087 8.64499  $[3*x^3*(3*x+2)/(x+1)^2/(3*x-1)^2$  ogf]  
A074088 5.77593  $[3*x^4*(18*x^3+24*x^2+2*x-7)/(x+1)^3/(3*x-1)^3$  ogf]  
A074088 8.70458  $-2*(-20-35*x+144*x^3+66*x^2+81*x^4)/(3*x-1)/(x+1)/(18*x^3+24*x^2+2*x-7)$  lgdogf  
A074089 3.98233  $[3*x^5*(3*x+2)*(63*x^4+84*x^3-23*x^2-40*x+13)/(x+1)^4/(3*x-1)^4$  ogf]  
A074089 5.72902  $-(167+46*x+4158*x^5+1701*x^6-1278*x^3-1228*x^2+2430*x^4)/(3*x+2)/(3*x-1)/(x+1)/(63*x^4+84*x^3-23*x^2-40*x+13)$  lgdogf  
A074092 10.3738  $2*(1-32*x^3+20*x^2+16*x^4)/(2*x-1)/(16*x^4-8*x^3-8*x^2+4*x-1)$  lgdogf  
A074092 4.36476  $[{-a(n+5)+6*a(n+4)-12*a(n+3)+8*a(n+2), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 40, a(4) = 144},$  ogf]  
A074092 8.17703  $[(16*x^4-8*x^3-8*x^2+4*x-1)/(2*x-1)^3$  ogf]  
A074110 6.09836  $[-(10*x^7-11*x^6+x^5+10*x^3-x^2-20*x-7)/(10*x-1)/(x-1)$  ogf]  
A074113 11.7565  $-8*(1+16*x+2048*x^3+384*x^2+8192*x^4)/(1024*x^3-1)/(64*x^2+8*x+1)$  lgdogf  
A074113 5.24087  $[{a(n+3)-1024*a(n), a(0) = 8, a(1) = 64, a(2) = 512},$  ogf]  
A074113 7.81365  $[-8*(64*x^2+8*x+1)/(1024*x^3-1)$  ogf]  
A074116 10.5542  $-8*(1+16*x+2048*x^3+384*x^2+8192*x^4)/(1024*x^3-1)/(64*x^2+8*x+1)$  lgdogf  
A074116 14.1155  $[-8*(64*x^2+8*x+1)/(1024*x^3-1)$  ogf]  
A074116 9.46772  $[{a(n+3)-1024*a(n), a(0) = 8, a(1) = 64, a(2) = 512},$  ogf]  
A074117 3.16704  $[3*(9*x+1)*(9*x-1)*(86093442*x^8+9565938*x^7+1062882*x^6+118098*x^5+13122*x^4+1458*x^3+162*x^2+9*x+1)/(774840978*x^9+6561*x^4-1)$  ogf]  
A074118 3.42049  $[(9*x+1)*(774840978*x^9-531441*x^6-6561*x^4-81*x^2-1)/(774840978*x^9+43046721*x^8-1)$  ogf]  
A074143 16.9068  $2*(x+2)/(x-1)/(x^3-3*x^2+2*x-2)$  lgdegf  
A074143 7.76649  $[1/2*(x^3-3*x^2+2*x-2)/(x-1)^3$  egf]  
A074148 13.6031  $[(x^2-2*x-1)/(x+1)/(x-1)^3$  ogf]  
A074148 18.0869  $-2*(-2-3*x+x^3-2*x^2)/(x-1)/(x+1)/(x^2-2*x-1)$  lgdogf

A074149 11.6094  $-2*(3+9*x+x^5+10*x^3+18*x^2+7*x^4)/(x-1)/(x+1)/(1+x^2)/(x^2+4*x+1)$  lgdogf  
A074149 7.73439  $[(x^2+1)*(x^2+4*x+1)/(x+1)^2/(x-1)^4]$  ogf  
A074150 3.37637  $[-(2*x^3-x^2+1)/(x+1)/(x-1)^3]$  ogf  
A074155 10.1245  $[(28*x^4-84*x^3+84*x^2-33*x-1)/(x-1)^3]$  ogf  
A074155 11.8335  $2*(18-51*x-56*x^3+84*x^2+14*x^4)/(x-1)/(28*x^4-84*x^3+84*x^2-33*x-1)$  lgdogf  
A074155 5.54109  $[{-a(n+5)+3*a(n+4)-3*a(n+3)+a(n+2), a(0) = 1, a(1) = 36, a(2) = 21, a(3) = 40, a(4) = 65}]$ , ogf  
A074170 5.27546  $[-(46*x^24-92*x^23+46*x^22+22*x^12-24*x^11-18*x^10+20*x^9+14*x^8-16*x^7-8*x^5+16*x^4-8*x^3+1)/(x-1)^3]$  ogf  
A074171 11.2662  $[(6*x^4-12*x^3+6*x^2-1)/(x-1)^3]$  ogf  
A074171 14.4163  $3*(1-4*x-8*x^3+10*x^2+2*x^4)/(x-1)/(6*x^4-12*x^3+6*x^2-1)$  lgdogf  
A074193 7.00192  $-(-1-8*x+x^10-8*x^9+24*x^7+36*x^5+11*x^6+20*x^8+24*x^3-20*x^2-11*x^4)/(x^5-4*x^4+6*x^3+8*x^2+5*x+6)/(x^6-x^5+2*x^4-2*x^3-2*x^2-x-1)$  lgdogf  
A074193 7.80191  $[-(x^5-4*x^4+6*x^3+8*x^2+5*x+6)/(x^6-x^5+2*x^4-2*x^3-2*x^2-x-1)]$  ogf  
A074227 3.74656  $[(x+1)^2/(x^2+x+1)/(x-1)^2]$  ogf  
A074227 5.13488  $-(3+2*x+2*x^3+5*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A074227 7.78076  $[3-2*x+1/2*x^2]$  egf\_with\_Euler\_transform  
A074229 10.7343  $[(x^4+4*x^3+14*x^2+4*x+1)/(x+1)/(x^2+1)/(x-1)^2]$  ogf  
A074229 8.92578  $-(5+33*x+x^7+47*x^5+9*x^6+31*x^3+31*x^2+35*x^4)/(x-1)/(x+1)/(x^2+1)/(x^4+4*x^3+14*x^2+4*x+1)$  lgdogf  
A074231 12.6442  $[(x+1)^2/(x^2+1)/(x-1)^2]$  ogf  
A074231 22.5197  $-2*(2-x+2*x^2+x^3)/(x-1)/(x+1)/(x^2+1)$  lgdogf  
A074231 29.9726  $[[x^3-3*x+4]]$  ogf\_with\_Euler\_transform  
A074231 4.45127  $[{(-n-4)*a(n+1)+(n+3)*a(n+2)+(-n-4)*a(n+3)+(n+3)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 7, a(3) = 8}]$ , ogf  
A074232 21.6570  $[x^6-x^5-x^2+x+2]$  ogf\_with\_Euler\_transform  
A074232 7.80223  $-(2+4*x+2*x^10+2*x^9+x^7+3*x^5+10*x^6+6*x^8+8*x^3+x^2+3*x^4)/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A074232 9.57957  $[(x^2-x+1)*(x^2+x+1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf  
A074305 10.9590  $-(1+4*x+3*x^5+6*x^6+17*x^3+21*x^2+8*x^4)/(x-1)/(x^2+x+1)/(3*x^2+4*x+3)/(x^2-x+1)$  lgdogf  
A074305 11.5526  $[x*(3*x^2+4*x+3)*(x^2-x+1)/(x-1)^2/(x^2+x+1)^2]$  ogf  
A074306 10.4149  $-(3+2*x+4*x^7+9*x^6+18*x^3+15*x^2+21*x^4)/(x-1)/(2*x+1)/(x+2)/(x+1)/(x^2+1)/(x^2-x+1)$  lgdogf  
A074306 10.5659  $[x*(2*x+1)*(x+2)*(x^2-x+1)/(x^2+1)/(x+1)^2/(x-1)^2]$  ogf  
A074323 15.0270  $[-(x^2+x+1)/(2*x^2-1)]$  ogf  
A074323 21.2168  $-(1+6*x+2*x^2)/(x^2+x+1)/(2*x^2-1)$  lgdogf  
A074323 8.76573  $[{-a(n+3)+2*a(n+1), a(0) = 1, a(1) = 1, a(2) = 3}]$ , ogf  
A074324 14.9923  $[-(x^2+x+1)/(3*x^2-1)]$  ogf  
A074324 21.1849  $-(1+8*x+3*x^2)/(x^2+x+1)/(3*x^2-1)$  lgdogf  
A074324 8.74550  $[{-a(n+3)+3*a(n+1), a(0) = 1, a(1) = 1, a(2) = 4}]$ , ogf  
A074331 14.9216  $[x/(x-1)/(x+1)/(x^2+x-1)]$  ogf  
A074331 16.7498  $-(-1-4*x+4*x^3+3*x^2)/(x-1)/(x+1)/(x^2+x-1)$  lgdogf  
A074334 5.63059  $4*(x-1)*(72*x^4-44*x^3+36*x^2+12*x+5)/(-1+4*x)/(144*x^5-128*x^4+32*x^3+2*x+1)$  lgdogf  
A074337 10.3609  $-(-117851061187+98005495447*x)/(x-1)/(98005495447*x-107928278317)$  lgdogf  
A074337 10.3791  $[-(98005495447*x-107928278317)/(x-1)^2]$  ogf  
A074337 6.58671  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 107928278317, a(1) = 117851061187}]$ , ogf  
A074352 11.1483  $[2*x^3*(2*x+1)/(x+1)^2/(2*x-1)^2]$  ogf  
A074352 17.6218  $-2*(2+5*x+6*x^2)/(2*x+1)/(2*x-1)/(x+1)$  lgdogf  
A074352 4.49843  $[{(4*n^2-6*n)*a(n)+(2*n^2-5*n-2)*a(n+1)+(-2*n^2+7*n-5)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2}]$ , ogf  
A074353 10.4693  $-2*(-5-15*x+16*x^3+3*x^2+12*x^4)/(2*x-1)/(x+1)/(4*x^3+4*x^2-x-3)$  lgdogf

A074353 7.43620 [  $2*x^4*(4*x^3+4*x^2-x-3)/(x+1)^3/(2*x-1)^3$  ogf]  
A074354 4.52113 [  $2*x^5*(2*x+1)*(12*x^4+12*x^3-13*x^2-10*x+7)/(x+1)^4/(2*x-1)^4$  ogf]  
A074354 6.43454  $-2*(16+29*x+132*x^5+72*x^6-133*x^3-26*x^2-10*x^4)/(2*x+1)/(2*x-1)/(x+1)/(12*x^4+12*x^3-13*x^2-10*x+7)$  lgdogf  
A074355 18.8008  $-(5+15*x+27*x^2)/(1+3*x)/(3*x^2+x-1)$  lgdogf  
A074355 3.93176 [  $\{(9*n^2-12*n)*a(n)+(3*n^2-7*n-3)*a(n+1)+(-3*n^2+10*n-7)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 3\}$ , ogf]  
A074355 9.85790 [  $3*x^3*(3*x+1)/(3*x^2+x-1)^2$  ogf]  
A074356 10.2017  $-(-14-64*x+72*x^3+3*x^2+81*x^4)/(3*x-2)/(3*x^2+x-1)/(3*x^2+4*x+2)$  lgdogf  
A074356 6.13989 [  $3*x^4*(3*x-2)*(3*x^2+4*x+2)/(3*x^2+x-1)^3$  ogf]  
A074357 4.16891 [  $3*x^5*(3*x+1)*(36*x^4+24*x^3-29*x^2-14*x+10)/(3*x^2+x-1)^4$  ogf]  
A074357 6.26536  $-(56+146*x+1188*x^5+972*x^6-909*x^3+5*x^2-405*x^4)/(1+3*x)/(3*x^2+x-1)/(36*x^4+24*x^3-29*x^2-14*x+10)$  lgdogf  
A074358 10.6980 [  $4*x^3*(x+1)/(2*x^2+2*x-1)^2$  ogf]  
A074358 18.5509  $-(5+10*x+6*x^2)/(x+1)/(2*x^2+2*x-1)$  lgdogf  
A074359 5.84631 [  $4*x^4*(4*x^3+8*x^2+2*x-3)/(2*x^2+2*x-1)^3$  ogf]  
A074359 9.62393  $-4*(-4-3*x+16*x^3+12*x^2+6*x^4)/(2*x^2+2*x-1)/(4*x^3+8*x^2+2*x-3)$  lgdogf  
A074360 4.14865 [  $8*x^5*(x+1)*(12*x^4+24*x^3-2*x^2-16*x+5)/(2*x^2+2*x-1)^4$  ogf]  
A074360 6.44902  $-(29-22*x+264*x^5+72*x^6-28*x^3-160*x^2+280*x^4)/(x+1)/(2*x^2+2*x-1)/(12*x^4+24*x^3-2*x^2-16*x+5)$  lgdogf  
A074361 17.7985  $-(19+15*x+3*x^2)/(x+3)/(x^2+3*x-1)$  lgdogf  
A074361 8.81693 [  $x^3*(x+3)/(x^2+3*x-1)^2$  ogf]  
A074362 5.80006 [  $x^4*(3*x^3+18*x^2+24*x-10)/(x^2+3*x-1)^3$  ogf]  
A074362 9.04127  $-3*(-22+40*x+24*x^3+61*x^2+3*x^4)/(x^2+3*x-1)/(3*x^3+18*x^2+24*x-10)$  lgdogf  
A074363 4.85435 [  $x^4*(x+3)*(10*x^4+60*x^3+69*x^2-66*x+12)/(x^2+3*x-1)^4$  ogf]  
A074363 5.89328  $-(246-1104*x+330*x^5+30*x^6+1953*x^3+291*x^2+1295*x^4)/(x+3)/(x^2+3*x-1)/(10*x^4+60*x^3+69*x^2-66*x+12)$  lgdogf  
A074377 17.3490  $-(7+13*x+3*x^3+25*x^2)/(x-1)/(x+1)/(x^2+6*x+1)$  lgdogf  
A074377 9.99738 [  $-x*(x^2+6*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A074378 10.0457 [  $-x*(3*x^2+2*x+3)/(x+1)^2/(x-1)^3$  ogf]  
A074378 16.7076  $-(5+23*x+9*x^3+11*x^2)/(x-1)/(x+1)/(3*x^2+2*x+3)$  lgdogf  
A074392 12.1943 [  $-(x-2)/(x-1)/(x+1)/(x^2+x-1)$  ogf]  
A074392 13.5075  $-(1+8*x-6*x^3-8*x^2+3*x^4)/(x-1)/(x-2)/(x+1)/(x^2+x-1)$  lgdogf  
A074453 6.88853  $-(-1+8*x+x^10-36*x^5+11*x^6+8*x^9-24*x^7+20*x^8-24*x^3-20*x^2-11*x^4)/(x^5+4*x^4+6*x^3-8*x^2+5*x-6)/(x^6+x^5+2*x^4+2*x^3-2*x^2+x-1)$  lgdogf  
A074453 7.80191 [  $(x^5+4*x^4+6*x^3-8*x^2+5*x-6)/(x^6+x^5+2*x^4+2*x^3-2*x^2+x-1)$  ogf]  
A074475 12.1458 [  $-(x+3)/(x+1)/(x^3+x^2+x-1)$  ogf]  
A074475 12.3331  $-(1+12*x+16*x^3+20*x^2+3*x^4)/(x+3)/(x+1)/(x^3+x^2+x-1)$  lgdogf  
A074494 10.0043 [  $(6*x^3-8*x^2+5*x-2)/(x-1)/(2*x-1)^2$  ogf]  
A074494 12.5338  $-(5-6*x+8*x^3-6*x^2)/(x-1)/(2*x-1)/(6*x^3-8*x^2+5*x-2)$  lgdogf  
A074494 5.15146 [  $\{-a(n+4)+5*a(n+3)-8*a(n+2)+4*a(n+1), a(0) = 2, a(1) = 5, a(2) = 17, a(3) = 47\}$ , ogf]  
A074499 6.89127  $(-29*x^15-43*x^22-15*x^8+2*x^3+21*x^23+7*x^9+14*x^16-6*x^2+8*x^7+15*x^14+22*x^21+6)/(x-1)/(x^23-x^22+x^16-x^15+x^9-x^8+2*x^3-3)$  lgdogf  
A074499 8.83351 [  $-(x^23-x^22+x^16-x^15+x^9-x^8+2*x^3-3)/(x-1)^2$  ogf]  
A074501 5.29509 [  $\{-a(n+3)+8*a(n+2)-17*a(n+1)+10*a(n), a(0) = 3, a(1) = 8, a(2) = 30\}$ , ogf]  
A074501 8.28570  $-2*(4-34*x-160*x^3+113*x^2+85*x^4)/(x-1)/(2*x-1)/(5*x-1)/(17*x^2-16*x+3)$  lgdogf  
A074501 9.36823 [  $-(17*x^2-16*x+3)/(x-1)/(2*x-1)/(5*x-1)$  ogf]  
A074502 5.26834 [  $\{-a(n+3)+9*a(n+2)-20*a(n+1)+12*a(n), a(0) = 3, a(1) = 9, a(2) = 41\}$ , ogf]  
A074502 8.36171  $-(9-80*x-432*x^3+288*x^2+240*x^4)/(x-1)/(6*x-1)/(2*x-1)/$



$(20x^2-18x+3)$  lgdogf  
A074502 9.32091 [  $-(20x^2-18x+3)/(x-1)/(6x-1)/(2x-1)$  ogf]  
A074503 4.99288 [  $\{-a(n+3)+10a(n+2)-23a(n+1)+14a(n), a(0) = 3, a(1) = 10, a(2) = 54\}$ , ogf]  
A074503 7.83814  $-2*(5-46x-280x^3+178x^2+161x^4)/(x-1)/(2x-1)/(7x-1)/$   
 $(23x^2-20x+3)$  lgdogf  
A074503 8.85102 [  $-(23x^2-20x+3)/(x-1)/(2x-1)/(7x-1)$  ogf]  
A074504 5.27453 [  $\{-a(n+3)+11a(n+2)-26a(n+1)+16a(n), a(0) = 3, a(1) = 11, a(2) = 69\}$ , ogf]  
A074504 8.17753  $-(11-104x-704x^3+430x^2+416x^4)/(x-1)/(-1+8x)/(2x-1)/$   
 $(26x^2-22x+3)$  lgdogf  
A074504 9.35030 [  $-(26x^2-22x+3)/(x-1)/(8x-1)/(2x-1)$  ogf]  
A074505 4.90740 [  $\{-a(n+3)+12a(n+2)-29a(n+1)+18a(n), a(0) = 3, a(1) = 12, a(2) = 86\}$ , ogf]  
A074505 7.70395  $-2*(6-58x-432x^3+255x^2+261x^4)/(x-1)/(2x-1)/(9x-1)/$   
 $(29x^2-24x+3)$  lgdogf  
A074505 8.69948 [  $-(29x^2-24x+3)/(x-1)/(2x-1)/(9x-1)$  ogf]  
A074506 5.23490 [  $\{-a(n+3)+8a(n+2)-19a(n+1)+12a(n), a(0) = 3, a(1) = 8, a(2) = 26\}$ , ogf]  
A074506 8.30242  $-4*(2-19x-96x^3+65x^2+57x^4)/(x-1)/(3x-1)/(-1+4x)/$   
 $(19x^2-16x+3)$  lgdogf  
A074506 9.26175 [  $-(19x^2-16x+3)/(x-1)/(3x-1)/(4x-1)$  ogf]  
A074507 5.29509 [  $\{-a(n+3)+9a(n+2)-23a(n+1)+15a(n), a(0) = 3, a(1) = 9, a(2) = 35\}$ , ogf]  
A074507 8.40240  $-(9-92x-540x^3+342x^2+345x^4)/(x-1)/(3x-1)/(5x-1)/$   
 $(23x^2-18x+3)$  lgdogf  
A074507 9.36823 [  $-(23x^2-18x+3)/(x-1)/(3x-1)/(5x-1)$  ogf]  
A074508 4.68563 [  $\{-a(n+3)+10a(n+2)-27a(n+1)+18a(n), a(0) = 3, a(1) = 10, a(2) = 46\}$ , ogf]  
A074508 7.34569  $-2*(5-54x-360x^3+216x^2+243x^4)/(x-1)/(6x-1)/(3x-1)/$   
 $(27x^2-20x+3)$  lgdogf  
A074508 8.30635 [  $-(27x^2-20x+3)/(x-1)/(6x-1)/(3x-1)$  ogf]  
A074509 4.99288 [  $\{-a(n+3)+11a(n+2)-31a(n+1)+21a(n), a(0) = 3, a(1) = 11, a(2) = 59\}$ , ogf]  
A074509 7.83814  $-(11-124x-924x^3+530x^2+651x^4)/(x-1)/(3x-1)/(7x-1)/$   
 $(31x^2-22x+3)$  lgdogf  
A074509 8.85102 [  $-(31x^2-22x+3)/(x-1)/(3x-1)/(7x-1)$  ogf]  
A074510 5.27453 [  $\{-a(n+3)+12a(n+2)-35a(n+1)+24a(n), a(0) = 3, a(1) = 12, a(2) = 74\}$ , ogf]  
A074510 8.17753  $-4*(3-35x-288x^3+159x^2+210x^4)/(x-1)/(3x-1)/(-1+8x)/$   
 $(35x^2-24x+3)$  lgdogf  
A074510 9.35030 [  $-(35x^2-24x+3)/(x-1)/(3x-1)/(8x-1)$  ogf]  
A074511 5.25741 [  $\{-a(n+3)+10a(n+2)-29a(n+1)+20a(n), a(0) = 3, a(1) = 10, a(2) = 42\}$ , ogf]  
A074511 8.14531  $-2*(5-58x-400x^3+235x^2+290x^4)/(x-1)/(-1+4x)/(5x-1)/$   
 $(29x^2-20x+3)$  lgdogf  
A074511 9.31995 [  $-(29x^2-20x+3)/(x-1)/(4x-1)/(5x-1)$  ogf]  
A074512 4.68563 [  $\{-a(n+3)+11a(n+2)-34a(n+1)+24a(n), a(0) = 3, a(1) = 11, a(2) = 53\}$ , ogf]  
A074512 7.14981  $-(11-136x-1056x^3+590x^2+816x^4)/(x-1)/(6x-1)/(-1+4x)/$   
 $(34x^2-22x+3)$  lgdogf  
A074512 8.30635 [  $-(34x^2-22x+3)/(x-1)/(6x-1)/(4x-1)$  ogf]  
A074513 4.99288 [  $\{-a(n+3)+12a(n+2)-39a(n+1)+28a(n), a(0) = 3, a(1) = 12, a(2) = 66\}$ , ogf]  
A074513 8.05894  $-4*(1-13x-112x^3+60x^2+91x^4)/(x-1)/(7x-1)/(-1+4x)/$   
 $(13x^2-8x+1)$  lgdogf  
A074513 8.85102 [  $-3*(13x^2-8x+1)/(x-1)/(7x-1)/(4x-1)$  ogf]  
A074514 5.27453 [  $\{-a(n+3)+13a(n+2)-44a(n+1)+32a(n), a(0) = 3, a(1) = 13, a(2) = 81\}$ , ogf]  
A074514 7.85893  $-(13-176x-1664x^3+860x^2+1408x^4)/(x-1)/(-1+8x)/(-1+4x)/$   
 $(44x^2-26x+3)$  lgdogf

A074514 9.35030 [  $-(44x^2-26x+3)/(x-1)/(8x-1)/(4x-1)$  ogf]  
A074515 4.90740 [  $\{-a(n+3)+14a(n+2)-49a(n+1)+36a(n), a(0) = 3, a(1) = 14, a(2) = 98\}$ , ogf]  
A074515 7.49851  $-2*(7-98x-1008x^3+505x^2+882x^4)/(x-1)/(7x-3)/(-1+4x)/(9x-1)/(7x-1)$  lgdogf  
A074515 8.69948 [  $-(7x-1)*(7x-3)/(x-1)/(4x-1)/(9x-1)$  ogf]  
A074516 4.71123 [  $\{-a(n+3)+12a(n+2)-41a(n+1)+30a(n), a(0) = 3, a(1) = 12, a(2) = 62\}$ , ogf]  
A074516 7.38673  $-2*(6-82x-720x^3+381x^2+615x^4)/(x-1)/(6x-1)/(5x-1)/(41x^2-24x+3)$  lgdogf  
A074516 8.35173 [  $-(41x^2-24x+3)/(x-1)/(6x-1)/(5x-1)$  ogf]  
A074517 4.99288 [  $\{-a(n+3)+13a(n+2)-47a(n+1)+35a(n), a(0) = 3, a(1) = 13, a(2) = 75\}$ , ogf]  
A074517 7.62913  $-(13-188x-1820x^3+926x^2+1645x^4)/(x-1)/(7x-1)/(5x-1)/(47x^2-26x+3)$  lgdogf  
A074517 8.85102 [  $-(47x^2-26x+3)/(x-1)/(7x-1)/(5x-1)$  ogf]  
A074518 5.27453 [  $\{-a(n+3)+14a(n+2)-53a(n+1)+40a(n), a(0) = 3, a(1) = 14, a(2) = 90\}$ , ogf]  
A074518 7.85893  $-2*(7-106x-1120x^3+551x^2+1060x^4)/(x-1)/(-1+8x)/(5x-1)/(53x^2-28x+3)$  lgdogf  
A074518 9.35030 [  $-(53x^2-28x+3)/(x-1)/(8x-1)/(5x-1)$  ogf]  
A074519 4.89076 [  $\{-a(n+3)+15a(n+2)-59a(n+1)+45a(n), a(0) = 3, a(1) = 15, a(2) = 107\}$ , ogf]  
A074519 7.43859  $-(15-236x-2700x^3+1290x^2+2655x^4)/(x-1)/(9x-1)/(5x-1)/(59x^2-30x+3)$  lgdogf  
A074519 8.74409 [  $-(59x^2-30x+3)/(x-1)/(9x-1)/(5x-1)$  ogf]  
A074520 5.04409 [  $\{-a(n+3)+14a(n+2)-55a(n+1)+42a(n), a(0) = 3, a(1) = 14, a(2) = 86\}$ , ogf]  
A074520 7.60758  $-2*(7-110x-1176x^3+574x^2+1155x^4)/(x-1)/(6x-1)/(7x-1)/(55x^2-28x+3)$  lgdogf  
A074520 8.94180 [  $-(55x^2-28x+3)/(x-1)/(6x-1)/(7x-1)$  ogf]  
A074521 5.25522 [  $\{-a(n+3)+15a(n+2)-62a(n+1)+48a(n), a(0) = 3, a(1) = 15, a(2) = 101\}$ , ogf]  
A074521 7.89783  $-(15-248x-2880x^3+1362x^2+2976x^4)/(x-1)/(6x-1)/(-1+8x)/(62x^2-30x+3)$  lgdogf  
A074521 9.39570 [  $-(62x^2-30x+3)/(x-1)/(6x-1)/(8x-1)$  ogf]  
A074522 4.89076 [  $\{-a(n+3)+16a(n+2)-69a(n+1)+54a(n), a(0) = 3, a(1) = 16, a(2) = 118\}$ , ogf]  
A074522 7.34198  $-2*(8-138x-1728x^3+795x^2+1863x^4)/(x-1)/(6x-1)/(23x-3)/(3x-1)/(9x-1)$  lgdogf  
A074522 8.74409 [  $-(23x-3)*(3x-1)/(x-1)/(6x-1)/(9x-1)$  ogf]  
A074523 5.28061 [  $\{-a(n+3)+16a(n+2)-71a(n+1)+56a(n), a(0) = 3, a(1) = 16, a(2) = 114\}$ , ogf]  
A074523 8.25850  $-4*(4-71x-896x^3+410x^2+994x^4)/(x-1)/(-1+8x)/(7x-1)/(71x^2-32x+3)$  lgdogf  
A074523 9.44109 [  $-(71x^2-32x+3)/(x-1)/(8x-1)/(7x-1)$  ogf]  
A074524 4.91572 [  $\{-a(n+3)+17a(n+2)-79a(n+1)+63a(n), a(0) = 3, a(1) = 17, a(2) = 131\}$ , ogf]  
A074524 7.47733  $-(17-316x-4284x^3+1910x^2+4977x^4)/(x-1)/(7x-1)/(9x-1)/(79x^2-34x+3)$  lgdogf  
A074524 8.78871 [  $-(79x^2-34x+3)/(x-1)/(7x-1)/(9x-1)$  ogf]  
A074525 4.94067 [  $\{-a(n+3)+18a(n+2)-89a(n+1)+72a(n), a(0) = 3, a(1) = 18, a(2) = 146\}$ , ogf]  
A074525 7.32335  $-2*(9-178x-2592x^3+1125x^2+3204x^4)/(x-1)/(-1+8x)/(9x-1)/(89x^2-36x+3)$  lgdogf  
A074525 8.83332 [  $-(89x^2-36x+3)/(x-1)/(8x-1)/(9x-1)$  ogf]  
A074526 5.23490 [  $\{-a(n+3)+9a(n+2)-26a(n+1)+24a(n), a(0) = 3, a(1) = 9, a(2) = 29\}$ , ogf]  
A074526 7.85963  $-(9-104x-864x^3+450x^2+624x^4)/(3x-1)/(2x-1)/(-1+4x)/(26x^2-18x+3)$  lgdogf  
A074526 9.26175 [  $-(26x^2-18x+3)/(3x-1)/(2x-1)/(4x-1)$  ogf]

A074527 5.23099  $[{-a(n+3)+10*a(n+2)-31*a(n+1)+30*a(n), a(0) = 3, a(1) = 10, a(2) = 38}], \text{ogf}]$   
A074527 7.99549  $-(5-62*x-600*x^3+290*x^2+465*x^4)/(3*x-1)/(2*x-1)/(5*x-1)/(31*x^2-20*x+3) \text{ lgdogf}$   
A074527 9.27312  $[ -(31*x^2-20*x+3)/(3*x-1)/(2*x-1)/(5*x-1) \text{ ogf}]$   
A074528 4.68563  $[{-a(n+3)+11*a(n+2)-36*a(n+1)+36*a(n), a(0) = 3, a(1) = 11, a(2) = 49}], \text{ogf}]$   
A074528 6.96410  $-(11-144*x-1584*x^3+720*x^2+1296*x^4)/(6*x-1)/(3*x-1)/(2*x-1)/(36*x^2-22*x+3) \text{ lgdogf}$   
A074528 8.30635  $[ -(36*x^2-22*x+3)/(6*x-1)/(3*x-1)/(2*x-1) \text{ ogf}]$   
A074529 4.99288  $[{-a(n+3)+12*a(n+2)-41*a(n+1)+42*a(n), a(0) = 3, a(1) = 12, a(2) = 62}], \text{ogf}]$   
A074529 7.52874  $-(6-82*x-1008*x^3+435*x^2+861*x^4)/(3*x-1)/(2*x-1)/(7*x-1)/(41*x^2-24*x+3) \text{ lgdogf}$   
A074529 8.85102  $[ -(41*x^2-24*x+3)/(3*x-1)/(2*x-1)/(7*x-1) \text{ ogf}]$   
A074530 5.27453  $[{-a(n+3)+13*a(n+2)-46*a(n+1)+48*a(n), a(0) = 3, a(1) = 13, a(2) = 77}], \text{ogf}]$   
A074530 7.65997  $-(13-184*x-2496*x^3+1030*x^2+2208*x^4)/(3*x-1)/(2*x-1)/(-1+8*x)/(46*x^2-26*x+3) \text{ lgdogf}$   
A074530 9.35030  $[ -(46*x^2-26*x+3)/(3*x-1)/(2*x-1)/(8*x-1) \text{ ogf}]$   
A074531 4.90740  $[{-a(n+3)+14*a(n+2)-51*a(n+1)+54*a(n), a(0) = 3, a(1) = 14, a(2) = 94}], \text{ogf}]$   
A074531 7.21010  $-(7-102*x-1512*x^3+600*x^2+1377*x^4)/(3*x-1)/(2*x-1)/(9*x-1)/(51*x^2-28*x+3) \text{ lgdogf}$   
A074531 8.69948  $[ -(51*x^2-28*x+3)/(3*x-1)/(2*x-1)/(9*x-1) \text{ ogf}]$   
A074532 5.25741  $[{-a(n+3)+11*a(n+2)-38*a(n+1)+40*a(n), a(0) = 3, a(1) = 11, a(2) = 45}], \text{ogf}]$   
A074532 7.72760  $-(11-152*x-1760*x^3+778*x^2+1520*x^4)/(-1+4*x)/(2*x-1)/(5*x-1)/(38*x^2-22*x+3) \text{ lgdogf}$   
A074532 9.31995  $[ -(38*x^2-22*x+3)/(4*x-1)/(2*x-1)/(5*x-1) \text{ ogf}]$   
A074533 4.68563  $[{-a(n+3)+12*a(n+2)-44*a(n+1)+48*a(n), a(0) = 3, a(1) = 12, a(2) = 56}], \text{ogf}]$   
A074533 7.05573  $-(4*(3-44*x-576*x^3+240*x^2+528*x^4)/(6*x-1)/(2*x-1)/(-1+4*x)/(44*x^2-24*x+3) \text{ lgdogf}$   
A074533 8.30635  $[ -(44*x^2-24*x+3)/(6*x-1)/(2*x-1)/(4*x-1) \text{ ogf}]$   
A074534 4.99288  $[{-a(n+3)+13*a(n+2)-50*a(n+1)+56*a(n), a(0) = 3, a(1) = 13, a(2) = 69}], \text{ogf}]$   
A074534 7.24284  $-(13-200*x-2912*x^3+1154*x^2+2800*x^4)/(-1+4*x)/(2*x-1)/(7*x-1)/(50*x^2-26*x+3) \text{ lgdogf}$   
A074534 8.85102  $[ -(50*x^2-26*x+3)/(4*x-1)/(2*x-1)/(7*x-1) \text{ ogf}]$   
A074535 5.27453  $[{-a(n+3)+14*a(n+2)-56*a(n+1)+64*a(n), a(0) = 3, a(1) = 14, a(2) = 84}], \text{ogf}]$   
A074535 7.56422  $-(7-112*x-1792*x^3+680*x^2+1792*x^4)/(-1+8*x)/(2*x-1)/(-1+4*x)/(56*x^2-28*x+3) \text{ lgdogf}$   
A074535 9.35030  $[ -(56*x^2-28*x+3)/(8*x-1)/(2*x-1)/(4*x-1) \text{ ogf}]$   
A074536 4.89076  $[{-a(n+3)+15*a(n+2)-62*a(n+1)+72*a(n), a(0) = 3, a(1) = 15, a(2) = 101}], \text{ogf}]$   
A074536 7.15611  $-(15-248*x-4320*x^3+1578*x^2+4464*x^4)/(-1+4*x)/(9*x-1)/(2*x-1)/(62*x^2-30*x+3) \text{ lgdogf}$   
A074536 8.74409  $[ -(62*x^2-30*x+3)/(4*x-1)/(9*x-1)/(2*x-1) \text{ ogf}]$   
A074537 4.71123  $[{-a(n+3)+13*a(n+2)-52*a(n+1)+60*a(n), a(0) = 3, a(1) = 13, a(2) = 65}], \text{ogf}]$   
A074537 6.91322  $-(13-208*x-3120*x^3+1216*x^2+3120*x^4)/(6*x-1)/(2*x-1)/(5*x-1)/(52*x^2-26*x+3) \text{ lgdogf}$   
A074537 8.35173  $[ -(52*x^2-26*x+3)/(6*x-1)/(2*x-1)/(5*x-1) \text{ ogf}]$   
A074538 10.8655  $[ -(59*x^2-28*x+3)/(2*x-1)/(7*x-1)/(5*x-1) \text{ ogf}]$   
A074538 6.12924  $[{-a(n+3)+14*a(n+2)-59*a(n+1)+70*a(n), a(0) = 3, a(1) = 14, a(2) = 78}], \text{ogf}]$   
A074538 7.33570  $-(7-118*x-1960*x^3+728*x^2+2065*x^4)/(2*x-1)/(7*x-1)/(5*x-1)/(59*x^2-28*x+3) \text{ lgdogf}$   
A074539 5.27453  $[{-a(n+3)+15*a(n+2)-66*a(n+1)+80*a(n), a(0) = 3, a(1) = 15, a(2) = 94}], \text{ogf}]$

= 93}], ogf]  
 A074539 7.96234  $-(5-88*x-1600*x^3+570*x^2+1760*x^4)/(5*x-1)/(2*x-1)/(-1+8*x)/(22*x^2-10*x+1)$  lgdogf  
 A074539 9.35030 [  $-3*(22*x^2-10*x+1)/(2*x-1)/(8*x-1)/(5*x-1)$  ogf]  
 A074540 10.9326 [  $-(73*x^2-32*x+3)/(9*x-1)/(2*x-1)/(5*x-1)$  ogf]  
 A074540 6.11484 [  $\{-a(n+3)+16*a(n+2)-73*a(n+1)+90*a(n), a(0) = 3, a(1) = 16, a(2) = 110\}$ , ogf]  
 A074540 7.24785  $-2*(8-146*x-2880*x^3+989*x^2+3285*x^4)/(9*x-1)/(2*x-1)/(5*x-1)/(73*x^2-32*x+3)$  lgdogf  
 A074541 5.04409 [  $\{-a(n+3)+15*a(n+2)-68*a(n+1)+84*a(n), a(0) = 3, a(1) = 15, a(2) = 89\}$ , ogf]  
 A074541 7.41251  $-(15-272*x-5040*x^3+1776*x^2+5712*x^4)/(6*x-1)/(2*x-1)/(7*x-1)/(68*x^2-30*x+3)$  lgdogf  
 A074541 8.94180 [  $-(68*x^2-30*x+3)/(6*x-1)/(2*x-1)/(7*x-1)$  ogf]  
 A074542 5.25522 [  $\{-a(n+3)+16*a(n+2)-76*a(n+1)+96*a(n), a(0) = 3, a(1) = 16, a(2) = 104\}$ , ogf]  
 A074542 7.89783  $-16*(1-19*x-384*x^3+130*x^2+456*x^4)/(6*x-1)/(-1+8*x)/(2*x-1)/(76*x^2-32*x+3)$  lgdogf  
 A074542 9.39570 [  $-(76*x^2-32*x+3)/(6*x-1)/(8*x-1)/(2*x-1)$  ogf]  
 A074543 4.84966 [  $\{-a(n+3)+17*a(n+2)-84*a(n+1)+108*a(n), a(0) = 3, a(1) = 17, a(2) = 121\}$ , ogf]  
 A074543 7.24785  $-(17-336*x-7344*x^3+2400*x^2+9072*x^4)/(6*x-1)/(2*x-1)/(9*x-1)/(84*x^2-34*x+3)$  lgdogf  
 A074543 8.61358 [  $-(84*x^2-34*x+3)/(6*x-1)/(2*x-1)/(9*x-1)$  ogf]  
 A074544 5.23624 [  $\{-a(n+3)+17*a(n+2)-86*a(n+1)+112*a(n), a(0) = 3, a(1) = 17, a(2) = 117\}$ , ogf]  
 A074544 7.73581  $-(17-344*x-7616*x^3+2470*x^2+9632*x^4)/(2*x-1)/(-1+8*x)/(7*x-1)/(86*x^2-34*x+3)$  lgdogf  
 A074544 9.30018 [  $-(86*x^2-34*x+3)/(2*x-1)/(8*x-1)/(7*x-1)$  ogf]  
 A074545 4.87441 [  $\{-a(n+3)+18*a(n+2)-95*a(n+1)+126*a(n), a(0) = 3, a(1) = 18, a(2) = 134\}$ , ogf]  
 A074545 7.19338  $-2*(9-190*x-4536*x^3+1422*x^2+5985*x^4)/(9*x-1)/(2*x-1)/(7*x-1)/(95*x^2-36*x+3)$  lgdogf  
 A074545 8.65754 [  $-(95*x^2-36*x+3)/(9*x-1)/(2*x-1)/(7*x-1)$  ogf]  
 A074546 4.85832 [  $\{-a(n+3)+19*a(n+2)-106*a(n+1)+144*a(n), a(0) = 3, a(1) = 19, a(2) = 149\}$ , ogf]  
 A074546 6.96611  $-(19-424*x-10944*x^3+3310*x^2+15264*x^4)/(-1+8*x)/(2*x-1)/(9*x-1)/(106*x^2-38*x+3)$  lgdogf  
 A074546 8.44926 [  $-(106*x^2-38*x+3)/(8*x-1)/(2*x-1)/(9*x-1)$  ogf]  
 A074547 5.25741 [  $\{-a(n+3)+12*a(n+2)-47*a(n+1)+60*a(n), a(0) = 3, a(1) = 12, a(2) = 50\}$ , ogf]  
 A074547 7.93096  $-4*(3-47*x-720*x^3+276*x^2+705*x^4)/(-1+4*x)/(3*x-1)/(5*x-1)/(47*x^2-24*x+3)$  lgdogf  
 A074547 9.31995 [  $-(47*x^2-24*x+3)/(4*x-1)/(3*x-1)/(5*x-1)$  ogf]  
 A074548 4.68563 [  $\{-a(n+3)+13*a(n+2)-54*a(n+1)+72*a(n), a(0) = 3, a(1) = 13, a(2) = 61\}$ , ogf]  
 A074548 6.78779  $-(13-216*x-3744*x^3+1350*x^2+3888*x^4)/(6*x-1)/(3*x-1)/(-1+4*x)/(54*x^2-26*x+3)$  lgdogf  
 A074548 8.30635 [  $-(54*x^2-26*x+3)/(6*x-1)/(3*x-1)/(4*x-1)$  ogf]  
 A074549 4.99288 [  $\{-a(n+3)+14*a(n+2)-61*a(n+1)+84*a(n), a(0) = 3, a(1) = 14, a(2) = 74\}$ , ogf]  
 A074549 7.24284  $-2*(7-122*x-2352*x^3+805*x^2+2562*x^4)/(3*x-1)/(7*x-1)/(-1+4*x)/(61*x^2-28*x+3)$  lgdogf  
 A074549 8.85102 [  $-(61*x^2-28*x+3)/(3*x-1)/(7*x-1)/(4*x-1)$  ogf]  
 A074550 5.27453 [  $\{-a(n+3)+15*a(n+2)-68*a(n+1)+96*a(n), a(0) = 3, a(1) = 15, a(2) = 89\}$ , ogf]  
 A074550 7.56422  $-(15-272*x-5760*x^3+1884*x^2+6528*x^4)/(-1+4*x)/(3*x-1)/(-1+8*x)/(68*x^2-30*x+3)$  lgdogf  
 A074550 9.35030 [  $-(68*x^2-30*x+3)/(4*x-1)/(3*x-1)/(8*x-1)$  ogf]  
 A074551 4.84966 [  $\{-a(n+3)+16*a(n+2)-75*a(n+1)+108*a(n), a(0) = 3, a(1) = 16, a(2) = 106\}$ , ogf]

A074551 7.24785  $-4*(4-75*x-1728*x^3+543*x^2+2025*x^4)/(-1+4*x)/(3*x-1)/(9*x-1)/(75*x^2-32*x+3)$  lgdogf  
A074551 8.61358 [  $-(75*x^2-32*x+3)/(4*x-1)/(3*x-1)/(9*x-1)$  ogf]  
A074552 4.95057 [  $\{-a(n+3)+15*a(n+2)-71*a(n+1)+105*a(n), a(0) = 3, a(1) = 15, a(2) = 83\}$ , ogf]  
A074552 7.33570  $-(15-284*x-6300*x^3+2010*x^2+7455*x^4)/(3*x-1)/(7*x-1)/(5*x-1)/(71*x^2-30*x+3)$  lgdogf  
A074552 8.71891 [  $-(71*x^2-30*x+3)/(3*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A074553 5.22983 [  $\{-a(n+3)+16*a(n+2)-79*a(n+1)+120*a(n), a(0) = 3, a(1) = 16, a(2) = 98\}$ , ogf]  
A074553 7.75817  $-4*(4-79*x-1920*x^3+586*x^2+2370*x^4)/(3*x-1)/(-1+8*x)/(5*x-1)/(79*x^2-32*x+3)$  lgdogf  
A074553 9.21075 [  $-(79*x^2-32*x+3)/(3*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A074554 4.84966 [  $\{-a(n+3)+17*a(n+2)-87*a(n+1)+135*a(n), a(0) = 3, a(1) = 17, a(2) = 115\}$ , ogf]  
A074554 7.15611  $-(17-348*x-9180*x^3+2694*x^2+11745*x^4)/(3*x-1)/(9*x-1)/(5*x-1)/(87*x^2-34*x+3)$  lgdogf  
A074554 8.61358 [  $-(87*x^2-34*x+3)/(3*x-1)/(9*x-1)/(5*x-1)$  ogf]  
A074555 5.00135 [  $\{-a(n+3)+16*a(n+2)-81*a(n+1)+126*a(n), a(0) = 3, a(1) = 16, a(2) = 94\}$ , ogf]  
A074555 7.31868  $-2*(8-162*x-4032*x^3+1215*x^2+5103*x^4)/(6*x-1)/(3*x-1)/(7*x-1)/(81*x^2-32*x+3)$  lgdogf  
A074555 8.80834 [  $-(81*x^2-32*x+3)/(6*x-1)/(3*x-1)/(7*x-1)$  ogf]  
A074556 5.21106 [  $\{-a(n+3)+17*a(n+2)-90*a(n+1)+144*a(n), a(0) = 3, a(1) = 17, a(2) = 109\}$ , ogf]  
A074556 7.60166  $-(17-360*x-9792*x^3+2826*x^2+12960*x^4)/(6*x-1)/(3*x-1)/(-1+8*x)/(90*x^2-34*x+3)$  lgdogf  
A074556 9.25546 [  $-(90*x^2-34*x+3)/(6*x-1)/(3*x-1)/(8*x-1)$  ogf]  
A074557 4.84966 [  $\{-a(n+3)+18*a(n+2)-99*a(n+1)+162*a(n), a(0) = 3, a(1) = 18, a(2) = 126\}$ , ogf]  
A074557 7.53777  $-6*(1-22*x-648*x^3+180*x^2+891*x^4)/(6*x-1)/(3*x-1)/(9*x-1)/(33*x^2-12*x+1)$  lgdogf  
A074557 8.61358 [  $-3*(33*x^2-12*x+1)/(6*x-1)/(3*x-1)/(9*x-1)$  ogf]  
A074558 5.19260 [  $\{-a(n+3)+18*a(n+2)-101*a(n+1)+168*a(n), a(0) = 3, a(1) = 18, a(2) = 122\}$ , ogf]  
A074558 7.54480  $-2*(9-202*x-6048*x^3+1665*x^2+8484*x^4)/(3*x-1)/(-1+8*x)/(7*x-1)/(101*x^2-36*x+3)$  lgdogf  
A074558 9.03061 [  $-(101*x^2-36*x+3)/(3*x-1)/(8*x-1)/(7*x-1)$  ogf]  
A074559 4.83379 [  $\{-a(n+3)+19*a(n+2)-111*a(n+1)+189*a(n), a(0) = 3, a(1) = 19, a(2) = 139\}$ , ogf]  
A074559 7.01576  $-(19-444*x-14364*x^3+3810*x^2+20979*x^4)/(3*x-1)/(7*x-1)/(9*x-1)/(111*x^2-38*x+3)$  lgdogf  
A074559 8.40659 [  $-(111*x^2-38*x+3)/(3*x-1)/(7*x-1)/(9*x-1)$  ogf]  
A074560 10.5455 [  $-(123*x^2-40*x+3)/(3*x-1)/(9*x-1)/(8*x-1)$  ogf]  
A074560 6.06367 [  $\{-a(n+3)+20*a(n+2)-123*a(n+1)+216*a(n), a(0) = 3, a(1) = 20, a(2) = 154\}$ , ogf]  
A074560 7.05212  $-4*(5-123*x-4320*x^3+1101*x^2+6642*x^4)/(3*x-1)/(9*x-1)/(-1+8*x)/(123*x^2-40*x+3)$  lgdogf  
A074561 4.67131 [  $\{-a(n+3)+15*a(n+2)-74*a(n+1)+120*a(n), a(0) = 3, a(1) = 15, a(2) = 77\}$ , ogf]  
A074561 6.82571  $-(15-296*x-7200*x^3+2190*x^2+8880*x^4)/(6*x-1)/(-1+4*x)/(5*x-1)/(74*x^2-30*x+3)$  lgdogf  
A074561 8.22707 [  $-(74*x^2-30*x+3)/(6*x-1)/(4*x-1)/(5*x-1)$  ogf]  
A074562 4.95057 [  $\{-a(n+3)+16*a(n+2)-83*a(n+1)+140*a(n), a(0) = 3, a(1) = 16, a(2) = 90\}$ , ogf]  
A074562 7.33570  $-4*(4-83*x-2240*x^3+647*x^2+2905*x^4)/(-1+4*x)/(7*x-1)/(5*x-1)/(83*x^2-32*x+3)$  lgdogf  
A074562 8.71891 [  $-(83*x^2-32*x+3)/(4*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A074563 5.21106 [  $\{-a(n+3)+17*a(n+2)-92*a(n+1)+160*a(n), a(0) = 3, a(1) = 17, a(2) = 105\}$ , ogf]  
A074563 7.41626  $-(17-368*x-10880*x^3+3004*x^2+14720*x^4)/(-1+4*x)/(-1+8*x)/$

$(5*x-1)/(92*x^2-34*x+3)$  lgdogf  
A074563 9.25546 [  $-(92*x^2-34*x+3)/(4*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A074564 4.80925 [  $\{-a(n+3)+18*a(n+2)-101*a(n+1)+180*a(n), a(0) = 3, a(1) = 18, a(2) = 122\}$ , ogf]  
A074564 6.97941  $-2*(9-202*x-6480*x^3+1719*x^2+9090*x^4)/(-1+4*x)/(9*x-1)/(5*x-1)/(101*x^2-36*x+3)$  lgdogf  
A074564 8.36391 [  $-(101*x^2-36*x+3)/(4*x-1)/(9*x-1)/(5*x-1)$  ogf]  
A074565 4.98450 [  $\{-a(n+3)+17*a(n+2)-94*a(n+1)+168*a(n), a(0) = 3, a(1) = 17, a(2) = 101\}$ , ogf]  
A074565 7.17496  $-(17-376*x-11424*x^3+3110*x^2+15792*x^4)/(6*x-1)/(7*x-1)/(-1+4*x)/(94*x^2-34*x+3)$  lgdogf  
A074565 8.85306 [  $-(94*x^2-34*x+3)/(6*x-1)/(7*x-1)/(4*x-1)$  ogf]  
A074566 5.16763 [  $\{-a(n+3)+18*a(n+2)-104*a(n+1)+192*a(n), a(0) = 3, a(1) = 18, a(2) = 116\}$ , ogf]  
A074566 7.41626  $-2*(9-208*x-6912*x^3+1800*x^2+9984*x^4)/(6*x-1)/(-1+8*x)/(-1+4*x)/(104*x^2-36*x+3)$  lgdogf  
A074566 8.98719 [  $-(104*x^2-36*x+3)/(6*x-1)/(8*x-1)/(4*x-1)$  ogf]  
A074567 4.83379 [  $\{-a(n+3)+19*a(n+2)-114*a(n+1)+216*a(n), a(0) = 3, a(1) = 19, a(2) = 133\}$ , ogf]  
A074567 6.93021  $-(19-456*x-16416*x^3+4110*x^2+24624*x^4)/(6*x-1)/(-1+4*x)/(9*x-1)/(114*x^2-38*x+3)$  lgdogf  
A074567 8.40659 [  $-(114*x^2-38*x+3)/(6*x-1)/(4*x-1)/(9*x-1)$  ogf]  
A074568 5.19260 [  $\{-a(n+3)+19*a(n+2)-116*a(n+1)+224*a(n), a(0) = 3, a(1) = 19, a(2) = 129\}$ , ogf]  
A074568 7.36300  $-(19-464*x-17024*x^3+4220*x^2+25984*x^4)/(-1+8*x)/(7*x-1)/(-1+4*x)/(116*x^2-38*x+3)$  lgdogf  
A074568 9.03061 [  $-(116*x^2-38*x+3)/(8*x-1)/(7*x-1)/(4*x-1)$  ogf]  
A074569 4.83379 [  $\{-a(n+3)+20*a(n+2)-127*a(n+1)+252*a(n), a(0) = 3, a(1) = 20, a(2) = 146\}$ , ogf]  
A074569 7.01576  $-4*(5-127*x-5040*x^3+1202*x^2+8001*x^4)/(-1+4*x)/(9*x-1)/(7*x-1)/(127*x^2-40*x+3)$  lgdogf  
A074569 8.40659 [  $-(127*x^2-40*x+3)/(4*x-1)/(9*x-1)/(7*x-1)$  ogf]  
A074570 4.85832 [  $\{-a(n+3)+21*a(n+2)-140*a(n+1)+288*a(n), a(0) = 3, a(1) = 21, a(2) = 161\}$ , ogf]  
A074570 6.88219  $-(21-560*x-24192*x^3+5532*x^2+40320*x^4)/(-1+4*x)/(9*x-1)/(-1+8*x)/(140*x^2-42*x+3)$  lgdogf  
A074570 8.44926 [  $-(140*x^2-42*x+3)/(4*x-1)/(9*x-1)/(8*x-1)$  ogf]  
A074571 4.94296 [  $\{-a(n+3)+18*a(n+2)-107*a(n+1)+210*a(n), a(0) = 3, a(1) = 18, a(2) = 110\}$ , ogf]  
A074571 7.17496  $-2*(9-214*x-7560*x^3+1908*x^2+11235*x^4)/(6*x-1)/(7*x-1)/(5*x-1)/(107*x^2-36*x+3)$  lgdogf  
A074571 8.59645 [  $-(107*x^2-36*x+3)/(6*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A074572 5.16763 [  $\{-a(n+3)+19*a(n+2)-118*a(n+1)+240*a(n), a(0) = 3, a(1) = 19, a(2) = 125\}$ , ogf]  
A074572 7.41626  $-(19-472*x-18240*x^3+4402*x^2+28320*x^4)/(6*x-1)/(-1+8*x)/(5*x-1)/(118*x^2-38*x+3)$  lgdogf  
A074572 8.98719 [  $-(118*x^2-38*x+3)/(6*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A074573 4.83379 [  $\{-a(n+3)+20*a(n+2)-129*a(n+1)+270*a(n), a(0) = 3, a(1) = 20, a(2) = 142\}$ , ogf]  
A074573 6.84671  $-2*(10-258*x-10800*x^3+2505*x^2+17415*x^4)/(6*x-1)/(9*x-1)/(5*x-1)/(129*x^2-40*x+3)$  lgdogf  
A074573 8.40659 [  $-(129*x^2-40*x+3)/(6*x-1)/(9*x-1)/(5*x-1)$  ogf]  
A074574 5.19260 [  $\{-a(n+3)+20*a(n+2)-131*a(n+1)+280*a(n), a(0) = 3, a(1) = 20, a(2) = 138\}$ , ogf]  
A074574 7.54480  $-4*(5-131*x-5600*x^3+1285*x^2+9170*x^4)/(-1+8*x)/(7*x-1)/(5*x-1)/(131*x^2-40*x+3)$  lgdogf  
A074574 9.03061 [  $-(131*x^2-40*x+3)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A074575 4.83379 [  $\{-a(n+3)+21*a(n+2)-143*a(n+1)+315*a(n), a(0) = 3, a(1) = 21, a(2) = 155\}$ , ogf]  
A074575 7.01576  $-(21-572*x-26460*x^3+5838*x^2+45045*x^4)/(9*x-1)/(7*x-1)/(5*x-1)/(143*x^2-42*x+3)$  lgdogf

A074575 8.40659 [  $-(143x^2-42x+3)/(9x-1)/(7x-1)/(5x-1)$  ogf]  
A074576 4.85832 [  $\{-a(n+3)+22a(n+2)-157a(n+1)+360a(n), a(0) = 3, a(1) = 22, a(2) = 170\}$ , ogf]  
A074576 6.80025  $-2*(11-314x-15840x^3+3347x^2+28260x^4)/(9x-1)/(-1+8x)/(5x-1)/(157x^2-44x+3)$  lgdogf  
A074576 8.44926 [  $-(157x^2-44x+3)/(9x-1)/(8x-1)/(5x-1)$  ogf]  
A074577 5.21757 [  $\{-a(n+3)+21a(n+2)-146a(n+1)+336a(n), a(0) = 3, a(1) = 21, a(2) = 149\}$ , ogf]  
A074577 7.48933  $-(21-584x-28224x^3+6090x^2+49056x^4)/(6x-1)/(-1+8x)/(7x-1)/(146x^2-42x+3)$  lgdogf  
A074577 9.07403 [  $-(146x^2-42x+3)/(6x-1)/(8x-1)/(7x-1)$  ogf]  
A074578 4.85832 [  $\{-a(n+3)+22a(n+2)-159a(n+1)+378a(n), a(0) = 3, a(1) = 22, a(2) = 166\}$ , ogf]  
A074578 6.88219  $-2*(11-318x-16632x^3+3450x^2+30051x^4)/(6x-1)/(7x-1)/(9x-1)/(159x^2-44x+3)$  lgdogf  
A074578 8.44926 [  $-(159x^2-44x+3)/(6x-1)/(7x-1)/(9x-1)$  ogf]  
A074579 4.85832 [  $\{-a(n+3)+23a(n+2)-174a(n+1)+432a(n), a(0) = 3, a(1) = 23, a(2) = 181\}$ , ogf]  
A074579 6.96611  $-(23-696x-39744x^3+7890x^2+75168x^4)/(6x-1)/(-1+8x)/(9x-1)/(174x^2-46x+3)$  lgdogf  
A074579 8.44926 [  $-(174x^2-46x+3)/(6x-1)/(8x-1)/(9x-1)$  ogf]  
A074580 4.88287 [  $\{-a(n+3)+24a(n+2)-191a(n+1)+504a(n), a(0) = 3, a(1) = 24, a(2) = 194\}$ , ogf]  
A074580 6.91766  $-4*(6-191x-12096x^3+2280x^2+24066x^4)/(-1+8x)/(7x-1)/(9x-1)/(191x^2-48x+3)$  lgdogf  
A074580 8.49194 [  $-(191x^2-48x+3)/(8x-1)/(7x-1)/(9x-1)$  ogf]  
A074581 10.2552 [  $x^2(x-2)/(x^3-5x^2+7x-1)$  ogf]  
A074581 11.9878  $-(-13+20x+2x^3-11x^2)/(x-2)/(x^3-5x^2+7x-1)$  lgdogf  
A074581 5.21918 [  $\{a(n+3)-7a(n+2)+5a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 13\}$ , ogf]  
A074582 5.41548 [  $\{a(n+3)-7a(n+2)+5a(n+1)-a(n), a(0) = 3, a(1) = 7, a(2) = 39\}$ , ogf]  
A074582 9.67372  $-(7-20x-28x^3+44x^2+5x^4)/(5x^2-14x+3)/(x^3-5x^2+7x-1)$  lgdogf  
A074582 9.87015 [  $-(5x^2-14x+3)/(x^3-5x^2+7x-1)$  ogf]  
A074584 5.45016  $-(-1+4x^9+20x^7-4x^5+x^4-16x^5+35x^6+10x^8-12x^3-8x^2-15x^4)/(x^5+2x^4+3x^3+4x^2+5x-6)/(x^6+x^5+x^4+x^3+x^2+x-1)$  lgdogf  
A074584 6.32736 [  $(x^5+2x^4+3x^3+4x^2+5x-6)/(x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A074585 10.0299 [  $(x^2+2x+3)/(x-1)/(x+1)/(x^3-x^2-x-1)$  ogf]  
A074585 9.64410  $-(1-2x+6x^5+3x^6-20x^3-19x^2+7x^4)/(x-1)/(x+1)/(x^2+2x+3)/(x^3-x^2-x-1)$  lgdogf  
A074600 13.2377 [  $-(7x-2)/(5x-1)/(2x-1)$  ogf]  
A074600 14.9143  $-(7-40x+70x^2)/(7x-2)/(2x-1)/(5x-1)$  lgdogf  
A074600 7.33657 [  $\{a(n+2)-7a(n+1)+10a(n), a(0) = 2, a(1) = 7\}$ , ogf]  
A074601 13.1708 [  $-2*(4x-1)/(2x-1)/(6x-1)$  ogf]  
A074601 14.1353  $-4*(1-6x+12x^2)/(6x-1)/(2x-1)/(-1+4x)$  lgdogf  
A074601 7.29951 [  $\{a(n+2)-8a(n+1)+12a(n), a(0) = 2, a(1) = 8\}$ , ogf]  
A074602 12.6342 [  $-(9x-2)/(7x-1)/(2x-1)$  ogf]  
A074602 13.8827  $-(9-56x+126x^2)/(2x-1)/(7x-1)/(9x-2)$  lgdogf  
A074602 7.00207 [  $\{a(n+2)-9a(n+1)+14a(n), a(0) = 2, a(1) = 9\}$ , ogf]  
A074603 12.8567 [  $-2*(5x-1)/(2x-1)/(8x-1)$  ogf]  
A074603 14.7595  $-(5-32x+80x^2)/(2x-1)/(-1+8x)/(5x-1)$  lgdogf  
A074603 7.26024 [  $\{a(n+2)-10a(n+1)+16a(n), a(0) = 2, a(1) = 10\}$ , ogf]  
A074604 11.9618 [  $-(11x-2)/(2x-1)/(9x-1)$  ogf]  
A074604 13.0788  $-(11-72x+198x^2)/(11x-2)/(2x-1)/(9x-1)$  lgdogf  
A074604 13.7168  $-1/2*(-2-11x+(4+49x^2)^{1/2})/(18x+11)$  revogf  
A074604 6.75489 [  $\{a(n+2)-11a(n+1)+18a(n), a(0) = 2, a(1) = 11\}$ , ogf]  
A074605 13.0873 [  $-(7x-2)/(3x-1)/(4x-1)$  ogf]  
A074605 14.3774  $-(7-48x+84x^2)/(7x-2)/(3x-1)/(-1+4x)$  lgdogf  
A074605 16.3742  $-1/2*(-2-7x+(x^2+4)^{1/2})/(12x+7)$  revogf

A074605 7.25318 [ $\{a(n+2)-7a(n+1)+12a(n), a(0) = 2, a(1) = 7\}$ , ogf]  
A074606 13.2377 [ $-2*(4*x-1)/(5*x-1)/(3*x-1)$  ogf]  
A074606 13.8737  $-2*(2-15*x+30*x^2)/(-1+4*x)/(3*x-1)/(5*x-1)$  lgdogf  
A074606 7.33657 [ $\{a(n+2)-8a(n+1)+15a(n), a(0) = 2, a(1) = 8\}$ , ogf]  
A074607 10.7942  $1/6*\ln(2*x+1)-1/3*\operatorname{arctanh}((6*x+4)^{(1/2)})+1/3*\operatorname{arctanh}(2)$  revogf  
A074607 13.1708 [ $-(9*x-2)/(3*x-1)/(6*x-1)$  ogf]  
A074607 14.4800  $-9*(1-8*x+18*x^2)/(6*x-1)/(3*x-1)/(9*x-2)$  lgdogf  
A074607 7.29951 [ $\{a(n+2)-9a(n+1)+18a(n), a(0) = 2, a(1) = 9\}$ , ogf]  
A074608 12.1701 [ $-2*(5*x-1)/(7*x-1)/(3*x-1)$  ogf]  
A074608 13.9557  $-(5-42*x+105*x^2)/(3*x-1)/(7*x-1)/(5*x-1)$  lgdogf  
A074608 6.87255 [ $\{a(n+2)-10a(n+1)+21a(n), a(0) = 2, a(1) = 10\}$ , ogf]  
A074609 12.8567 [ $-(11*x-2)/(8*x-1)/(3*x-1)$  ogf]  
A074609 13.7531  $-(11-96*x+264*x^2)/(3*x-1)/(11*x-2)/(-1+8*x)$  lgdogf  
A074609 7.26024 [ $\{a(n+2)-11a(n+1)+24a(n), a(0) = 2, a(1) = 11\}$ , ogf]  
A074610 11.9618 [ $-2*(6*x-1)/(9*x-1)/(3*x-1)$  ogf]  
A074610 13.7168  $-6*(1-9*x+27*x^2)/(6*x-1)/(3*x-1)/(9*x-1)$  lgdogf  
A074610 15.1997  $-1/3*(-1-6*x+(1+9*x^2)^{(1/2)})/(9*x+4)$  revogf  
A074610 6.75489 [ $\{a(n+2)-12a(n+1)+27a(n), a(0) = 2, a(1) = 12\}$ , ogf]  
A074611 13.3049 [ $-(9*x-2)/(5*x-1)/(4*x-1)$  ogf]  
A074611 14.2777  $-(9-80*x+180*x^2)/(-1+4*x)/(5*x-1)/(9*x-2)$  lgdogf  
A074611 7.37381 [ $\{a(n+2)-9a(n+1)+20a(n), a(0) = 2, a(1) = 9\}$ , ogf]  
A074612 11.4212 [ $-2*(5*x-1)/(4*x-1)/(6*x-1)$  ogf]  
A074612 12.7675  $-(5-48*x+120*x^2)/(6*x-1)/(-1+4*x)/(5*x-1)$  lgdogf  
A074612 6.44964 [ $\{a(n+2)-10a(n+1)+24a(n), a(0) = 2, a(1) = 10\}$ , ogf]  
A074613 12.1701 [ $-(11*x-2)/(7*x-1)/(4*x-1)$  ogf]  
A074613 12.7152  $-(11-112*x+308*x^2)/(11*x-2)/(7*x-1)/(-1+4*x)$  lgdogf  
A074613 6.87255 [ $\{a(n+2)-11a(n+1)+28a(n), a(0) = 2, a(1) = 11\}$ , ogf]  
A074614 11.9618 [ $-(13*x-2)/(9*x-1)/(4*x-1)$  ogf]  
A074614 12.4975  $-(13-144*x+468*x^2)/(13*x-2)/(-1+4*x)/(9*x-1)$  lgdogf  
A074614 13.7168  $-1/2*(-2-13*x+(4+25*x^2)^{(1/2)})/(36*x+13)$  revogf  
A074614 6.75489 [ $\{a(n+2)-13a(n+1)+36a(n), a(0) = 2, a(1) = 13\}$ , ogf]  
A074615 11.4836 [ $-(11*x-2)/(6*x-1)/(5*x-1)$  ogf]  
A074615 12.2553  $-(11-120*x+330*x^2)/(6*x-1)/(5*x-1)/(11*x-2)$  lgdogf  
A074615 6.48487 [ $\{a(n+2)-11a(n+1)+30a(n), a(0) = 2, a(1) = 11\}$ , ogf]  
A074616 12.1701 [ $-2*(6*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A074616 13.3066  $-2*(3-35*x+105*x^2)/(6*x-1)/(7*x-1)/(5*x-1)$  lgdogf  
A074616 6.87255 [ $\{a(n+2)-12a(n+1)+35a(n), a(0) = 2, a(1) = 12\}$ , ogf]  
A074617 12.8567 [ $-(13*x-2)/(8*x-1)/(5*x-1)$  ogf]  
A074617 13.4475  $-(13-160*x+520*x^2)/(13*x-2)/(-1+8*x)/(5*x-1)$  lgdogf  
A074617 7.26024 [ $\{a(n+2)-13a(n+1)+40a(n), a(0) = 2, a(1) = 13\}$ , ogf]  
A074618 12.0231 [ $-2*(7*x-1)/(9*x-1)/(5*x-1)$  ogf]  
A074618 13.7886  $-(7-90*x+315*x^2)/(9*x-1)/(7*x-1)/(5*x-1)$  lgdogf  
A074618 16.1524  $-(1-7*x+(1+4*x^2)^{(1/2)})/(45*x+14)$  revogf  
A074618 6.78953 [ $\{a(n+2)-14a(n+1)+45a(n), a(0) = 2, a(1) = 14\}$ , ogf]  
A074619 12.2950 [ $-(13*x-2)/(7*x-1)/(6*x-1)$  ogf]  
A074619 13.1404  $-(13-168*x+546*x^2)/(6*x-1)/(7*x-1)/(13*x-2)$  lgdogf  
A074619 6.94305 [ $\{a(n+2)-13a(n+1)+42a(n), a(0) = 2, a(1) = 13\}$ , ogf]  
A074620 12.9191 [ $-2*(7*x-1)/(8*x-1)/(6*x-1)$  ogf]  
A074620 14.4794  $-(7-96*x+336*x^2)/(6*x-1)/(-1+8*x)/(7*x-1)$  lgdogf  
A074620 7.29548 [ $\{a(n+2)-14a(n+1)+48a(n), a(0) = 2, a(1) = 14\}$ , ogf]  
A074621 12.0231 [ $-(15*x-2)/(9*x-1)/(6*x-1)$  ogf]  
A074621 12.8485  $-3*(5-72*x+270*x^2)/(6*x-1)/(9*x-1)/(15*x-2)$  lgdogf  
A074621 14.4957  $-1/6*(-2-15*x+(4+9*x^2)^{(1/2)})/(18*x+5)$  revogf  
A074621 6.78953 [ $\{a(n+2)-15a(n+1)+54a(n), a(0) = 2, a(1) = 15\}$ , ogf]  
A074622 12.9815 [ $-(15*x-2)/(7*x-1)/(8*x-1)$  ogf]  
A074622 13.5806  $-(15-224*x+840*x^2)/(15*x-2)/(-1+8*x)/(7*x-1)$  lgdogf  
A074622 7.33073 [ $\{a(n+2)-15a(n+1)+56a(n), a(0) = 2, a(1) = 15\}$ , ogf]  
A074623 12.0845 [ $-2*(8*x-1)/(7*x-1)/(9*x-1)$  ogf]  
A074623 12.9154  $-2*(4-63*x+252*x^2)/(-1+8*x)/(7*x-1)/(9*x-1)$  lgdogf  
A074623 6.82418 [ $\{a(n+2)-16a(n+1)+63a(n), a(0) = 2, a(1) = 16\}$ , ogf]  
A074624 12.1458 [ $-(17*x-2)/(8*x-1)/(9*x-1)$  ogf]



A074624 12.4179  $-(17-288*x+1224*x^2)/(17*x-2)/(-1+8*x)/(9*x-1)$  lgdogf  
A074624 15.0321  $-1/2*(-2-17*x+(x^2+4)^{1/2})/(72*x+17)$  revogf  
A074624 6.85881  $[{a(n+2)-17*a(n+1)+72*a(n), a(0) = 2, a(1) = 17}]$ , ogf]  
A074662 13.8640  $[(x-2)/(x^2+1)/(x^2+x-1)$  ogf]  
A074662 15.3243  $-(-1-6*x^3-6*x^2+3*x^4)/(x-2)/(x^2+1)/(x^2+x-1)$  lgdogf  
A074677 17.9077  $[-x/(x^2+1)/(x^2+x-1)$  ogf]  
A074677 21.0061  $-(x+1)*(4*x^2-x+1)/(1+x^2)/(x^2+x-1)$  lgdogf  
A074678 10.2213  $[(x+3)*(x-1)/(x^2+1)/(x^3+x^2+x-1)$  ogf]  
A074678 9.26257  $-(-1+2*x+10*x^5+3*x^6-4*x^3-19*x^2-7*x^4)/(x-1)/(x+3)/(1+x^2)/(x^3+x^2+x-1)$  lgdogf  
A074702 4.52941  $[{(n^2+6*n+8)*a(n+1)+(n^2+9*n+18)*a(n+2)-a(n+3), a(0) = 1, a(1) = 4, a(2) = 43}]$ , ogf]  
A074703 3.08467  $[{(n^2+6*n+9)*a(n+1)+(-n^2-8*n-17)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 10}]$ , ogf]  
A074742 11.0004  $[-(3*x^3-7*x^2+5*x-2)/(x-1)^4$  ogf]  
A074742 18.4807  $-(-3+x+3*x^3-5*x^2)/(x-1)/(3*x^3-7*x^2+5*x-2)$  lgdogf  
A074742 4.27794  $[{(287*n^2+1849*n+2550)*a(n+1)+(-634*n^2-3572*n-4320)*a(n+2)+(347*n^2+1543*n+1506)*a(n+3), a(0) = 2, a(1) = 3, a(2) = 7}]$ , ogf]  
A074752 6.94372  $[-(x^6-x-1)/(x^2-x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A074752 7.29595  $-(-2-4*x+x^10-7*x^5-10*x^6+3*x^9+4*x^8+3*x^7-7*x^3-7*x^2-4*x^4+6*x^11)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6-x-1)$  lgdogf  
A074764 14.6748  $[-(x^3+x^2-2*x-1)/(x-1)^2$  ogf]  
A074764 25.0889  $(x+1)*(x-2)^2/(x-1)/(x^3+x^2-2*x-1)$  lgdogf  
A074764 7.85231  $[{a(n+4)-2*a(n+3)+a(n+2), a(0) = 1, a(1) = 4, a(2) = 6, a(3) = 7}]$ , ogf]  
A074768 6.66920  $-16*a(n+1)+(4+14*n+4*n^2)*a(n+2)+(8+n^2+6*n)*a(n+3), a(0)=0, a(1)=1, a(2)=2$  revegf  
A074790 3.26499  $[{(4*n^2+18*n+20)*a(n+1)+(4*n^2+26*n+41)*a(n+2)-a(n+3), a(0) = 1, a(1) = 5, a(2) = 101}]$ , ogf]  
A074825 6.91738  $-2*(2-14*x-24*x^7-106*x^5+72*x^6+3*x^8-72*x^3+41*x^2+100*x^4)/(3*x^4-12*x^3+21*x^2-16*x+5)/(2*x^5-3*x^4+6*x^3-7*x^2+4*x-1)$  lgdogf  
A074825 8.33615  $[-(3*x^4-12*x^3+21*x^2-16*x+5)/(2*x^5-3*x^4+6*x^3-7*x^2+4*x-1)$  ogf]  
A074826 6.43251  $-2*(3-30*x-160*x^7-642*x^5+420*x^6+30*x^8-360*x^3+135*x^2+605*x^4)/(15*x^4-40*x^3+45*x^2-24*x+5)/(4*x^5-15*x^4+20*x^3-15*x^2+6*x-1)$  lgdogf  
A074826 7.90211  $[-(15*x^4-40*x^3+45*x^2-24*x+5)/(4*x^5-15*x^4+20*x^3-15*x^2+6*x-1)$  ogf]  
A074837 10.3228  $[6*(x^4+2*x^3+4*x^2+2*x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A074837 8.90043  $-(3+11*x+x^7+15*x^5+5*x^6+17*x^3+13*x^2+15*x^4)/(x-1)/(x+1)/(1+x^2)/(x^4+2*x^3+4*x^2+2*x+1)$  lgdogf  
A074842 10.6438  $[-111*(810*x^10-900*x^9-1)/(x-1)^2$  ogf]  
A074842 11.8299  $2*(1-7200*x^9+3240*x^10+4050*x^8)/(x-1)/(810*x^10-900*x^9-1)$  lgdogf  
A074843 8.35169  $[-101*(89910*x^10-99900*x^9-11)/(x-1)^2$  ogf]  
A074843 8.40485  $2*(11-799200*x^9+359640*x^10+449550*x^8)/(x-1)/(89910*x^10-99900*x^9-11)$  lgdogf  
A074872 10.3630  $[{-a(n+2)+5*a(n), a(0) = 1, a(1) = 1}]$ , ogf]  
A074872 14.1224  $1/5*5^{1/2}*(-\operatorname{arcsinh}(1/2)+\operatorname{arcsinh}(5/2*x+1/2))$  revegf  
A074872 16.1764  $[-(x+1)/(5*x^2-1)$  ogf]  
A074872 20.9558  $-(1+10*x+5*x^2)/(x+1)/(5*x^2-1)$  lgdogf  
A074877 10.6661  $[(8*x^2-14*x+15)/(4*x-1)/(2*x-1)/(x-1)^2$  ogf]  
A074877 3.62150  $[{(72*n+344)*a(n+1)+(-126*n-530)*a(n+2)+(63*n+247)*a(n+3)+(-9*n-34)*a(n+4), a(0) = 15, a(1) = 106, a(2) = 541, a(3) = 2432}]$ , ogf]  
A074877 7.79397  $-2*(53-254*x-192*x^3+356*x^2+64*x^4)/(x-1)/(-1+4*x)/(2*x-1)/(8*x^2-14*x+15)$  lgdogf  
A074878 3.14624  $[{-a(n+3)+3*a(n+2)-a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 6}]$ , ogf]  
A074878 5.77670  $[(x^2-x+1)/(2*x-1)/(x^2+x-1)$  ogf]  
A074878 6.66695  $-2*(-1-2*x^3+4*x^2+x^4)/(2*x-1)/(x^2-x+1)/(x^2+x-1)$  lgdogf

A074922 4.33371 [  $\{(-4x^2-14x-12)a(n+1)+(n^2+3n-4)a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 3\}$ , ogf]  
A074991 7.00186  $(41+33x-412620x^9+192000x^{10}+205920x^8+21360x^7)/(x-1)/(24000x^{10}-24660x^9-2670x^8-33x-4)$  lgdogf  
A074991 8.54151 [  $-(24000x^{10}-24660x^9-2670x^8-33x-4)/(x-1)^2$  ogf]  
A074992 10.0121 [  $-(370x^2-74x+1)/(x-1)/(100x-1)/(10x-1)$  ogf]  
A074992 5.81349 [  $\{-a(n+3)+111a(n+2)-1110a(n+1)+1000a(n), a(0) = 1, a(1) = 37, a(2) = 3367\}$ , ogf]  
A074993 5.05106  $(11+23x+2520x^{11}-5580x^9-630x^{10}+810x^8+10x^2+3240x^7)/(x-1)/(x+1)/(360x^{10}-45x^9-405x^8-5x-6)$  lgdogf  
A074993 6.14900 [  $-x(360x^{10}-45x^9-405x^8-5x-6)/(x+1)/(x-1)^2$  ogf]  
A075003 6.91522  $(10+22x-810x^{12}-8820x^{11}+4950x^9+990x^{10}+x^3+11x^2+4050x^{13})/(x-1)/(x+1)/(450x^{12}-45x^{11}-495x^{10}-x^2-5x-5)$  lgdogf  
A075003 8.86630 [  $-(450x^{12}-45x^{11}-495x^{10}-x^2-5x-5)/(x+1)/(x-1)^2$  ogf]  
A075004 7.13191  $(107-33x+299700x^{11}+310200x^9-632940x^{10}+29700x^8)/(x-1)/(33300x^{11}-33330x^{10}-3300x^9+33x-70)$  lgdogf  
A075004 8.83082 [  $-(33300x^{11}-33330x^{10}-3300x^9+33x-70)/(x-1)^2$  ogf]  
A075045 7.07848  $-324+3375x+(36+6075x^2-1035x)f(x)+(3645x^3-864x^2+48x)f(x)^2+(16x^2+729x^4-216x^3)f(x)^3$  lgdogf  
A075091 12.4973 [  $-2(3x^2-2)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A075091 14.4137  $-2x(3-4x^2+3x^4)/(-2+3x^2)/(x^2+x-1)/(x^2-x-1)$  lgdogf  
A075092 7.23449  $-2x(1-10x^4-x^5+9x^7+4x^2+9x+4x^6+x^8-x^3)/(x^3+x^2+x-1)/(x^3-x^2-x-1)/(x^4+6x^3+2x^2-3)$  lgdogf  
A075092 8.28285 [  $-2(x^4+6x^3+2x^2-3)/(x^3+x^2+x-1)/(x^3-x^2-x-1)$  ogf]  
A075111 14.1488 [  $-x/(x^2+1)/(x^3+x^2+x-1)$  ogf]  
A075111 15.5143  $-(1+4x^3+6x^2+5x^4)/(x^2+1)/(x^3+x^2+x-1)$  lgdogf  
A075112 10.4929 [  $(x^3+2x^2+3x-4)/(x^2+1)/(x^4+x^3+x^2+x-1)$  ogf]  
A075112 8.89964  $-(1+4x-4x^5+23x^6+3x^8-22x^3-23x^2+10x^7+2x^4)/(x^2+1)/(x^3+2x^2+3x-4)/(x^4+x^3+x^2+x-1)$  lgdogf  
A075114 3.01656 [  $\{-a(n+5)+35a(n+4)-35a(n+3)+a(n+2), a(0) = 4, a(1) = 121, a(2) = 144, a(3) = 4900, a(4) = 166464\}$ , ogf]  
A075114 5.41610 [  $(117x^4-4091x^3+3951x^2+19x-4)/(x-1)/(x^2-34x+1)$  ogf]  
A075115 11.5722  $-2(1-4x-8x^3+11x^2+2x^4)/(2x^2-4x+3)/(2x^3-2x^2+2x-1)$  lgdogf  
A075115 12.1318 [  $-(2x^2-4x+3)/(2x^3-2x^2+2x-1)$  ogf]  
A075115 6.66702 [  $\{a(n+3)-2a(n+2)+2a(n+1)-2a(n), a(0) = 3, a(1) = 2, a(2) = 0\}$ , ogf]  
A075116 6.84201  $-(5-32x-32x^5+6x^6-136x^3+94x^2+93x^4)/(6x^3-16x^2+15x-4)/(x^4-6x^3+8x^2-5x+1)$  lgdogf  
A075116 7.95966 [  $-(6x^3-16x^2+15x-4)/(x^4-6x^3+8x^2-5x+1)$  ogf]  
A075118 17.7908 [  $(x-2)/(3x^2+x-1)$  ogf]  
A075118 23.1389  $-(-1-12x+3x^2)/(x-2)/(3x^2+x-1)$  lgdogf  
A075118 9.76324 [  $\{-a(n+2)+a(n+1)+3a(n), a(0) = 2, a(1) = 1\}$ , ogf]  
A075122 5.70657 [  $-(5x^{23}-4x^{22}+19x^{21}+18x^{20}-38x^{19}+x^{16}+3x^{15}-4x^{14}+4x^7+x^6-4x^5-x^4-1)/(x-1)^2$  ogf]  
A075123 11.2196 [  $(2x^5+2x^4+2x^3+x+1)/(x+1)/(x-1)^2$  ogf]  
A075123 12.1075  $2(-1-2x+2x^6-5x^3-4x^2-6x^4)/(x-1)/(x+1)/(2x^5+2x^4+2x^3+x+1)$  lgdogf  
A075127 3.08512 [  $\{a(n+5)-35a(n+4)+35a(n+3)-a(n+2), a(0) = 9, a(1) = 243, a(2) = 289, a(3) = 9801, a(4) = 332929\}$ , ogf]  
A075127 5.53919 [  $(234x^4-8182x^3+7901x^2+72x-9)/(x-1)/(x^2-34x+1)$  ogf]  
A075128 8.54151  $-(6x^4+36x^3-19x^2-2x+3)(x-1)^2/(2x^3+4x^2-9x+4)/(3x^4-2x^3-2x^2+3x-1)$  lgdogf  
A075128 9.28084 [  $-(2x^3+4x^2-9x+4)/(3x^4-2x^3-2x^2+3x-1)$  ogf]  
A075129 6.87111  $-(5-40x-120x^4+5+30x^6-248x^3+140x^2+235x^4)/(10x^3-20x^2+15x-4)/(3x^4-10x^3+10x^2-5x+1)$  lgdogf  
A075129 8.46152 [  $-(10x^3-20x^2+15x-4)/(3x^4-10x^3+10x^2-5x+1)$  ogf]  
A075150 12.8800 [  $(x^2-7x-4)/(x-1)/(x^2+3x+1)$  ogf]

A075150 14.4402  $-(1-14*x-14*x^3-24*x^2+x^4)/(x-1)/(x^2+3*x+1)/(x^2-7*x-4)$  lgdogf  
A075150 7.01497  $[{-a(n+3)-2*a(n+2)+2*a(n+1)+a(n), a(0) = 4, a(1) = -1, a(2) = 9}]$ , ogf]  
A075151 8.80567  $-(-1+48*x+48*x^5+x^6+100*x^3+135*x^2-135*x^4)/(x^2+x-1)/(x^2-4*x-1)/(x^3+24*x^2-23*x-8)$  lgdogf  
A075151 9.37142  $[ -(x^3+24*x^2-23*x-8)/(x^2+x-1)/(x^2-4*x-1)$  ogf]  
A075155 6.95574  $-(-1-48*x-48*x^5+x^6-100*x^3+135*x^2-135*x^4)/(x^2+4*x-1)/(x^2-x-1)/(x^3-24*x^2-23*x+8)$  lgdogf  
A075155 7.81889  $[ (x^3-24*x^2-23*x+8)/(x^2+4*x-1)/(x^2-x-1)$  ogf]  
A075156 6.51620  $[ -(7*x^4-28*x^3+39*x^2-24*x+5)/(2*x^5-7*x^4+14*x^3-13*x^2+6*x-1)$  ogf]  
A075183 2.96499  $[{(-n^2-8*n-15)*a(n+1)+(3*n^2+34*n+89)*a(n+2)+(-3*n-9)*a(n+3), a(0) = 1, a(1) = 11, a(2) = 105}]$ , ogf]  
A075183 5.60415  $[ 1/2*(3*x^2+10*x+2)/(x-1)^6$  egf]  
A075184 8.88256  $-10*(10+45*x+2*x^3+27*x^2)/(x-1)/(4*x^3+43*x^2+52*x+6)$  lgdegf  
A075185 5.79800  $-2*(274+1858*x+15*x^4+486*x^3+2092*x^2)/(x-1)/(5*x^4+136*x^3+472*x^2+308*x+24)$  lgdegf  
A075186 5.23556  $-14*(84+784*x+x^5+71*x^4+642*x^3+1388*x^2)/(x-1)/(2*x^5+123*x^4+944*x^3+1660*x^2+696*x+40)$  lgdegf  
A075193 10.0525  $[{-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = -3}]$ , ogf]  
A075193 18.3178  $[ (2*x-1)/(x^2-x-1)$  ogf]  
A075193 23.7636  $1/2/(-2+x)*(x-1+(5*x^2-10*x+1)^{1/2})$  revogf  
A075193 27.4767  $-(3-2*x+2*x^2)/(2*x-1)/(x^2-x-1)$  lgdogf  
A075194 10.4523  $[ -(5*x^4-15*x^2+16*x-5)/(4*x^5-5*x^4+5*x^2-4*x+1)$  ogf]  
A075194 9.60798  $-4*(5*x^5+15*x^4-15*x^3+4*x^2-1+2*x)*(x-1)^3/(4*x^5-5*x^4+5*x^2-4*x+1)/(5*x^4-15*x^2+16*x-5)$  lgdogf  
A075253 4.66001  $[ -(504*x^10+632*x^9-44*x^8-348*x^7-672*x^6-636*x^5+96*x^4+186*x^3+36*x^2+166*x+77)/(x-1)/(x+1)/(2*x^2-1)/(2*x^4-1)$  ogf]  
A075269 12.2548  $[ -(2*x^2+x+2)/(x-1)/(x^2+3*x+1)$  ogf]  
A075269 6.61541  $[{a(n+3)+2*a(n+2)-2*a(n+1)-a(n), a(0) = 2, a(1) = -3, a(2) = 12}]$ , ogf]  
A075270 11.3894  $-(2-14*x-4*x^5+3*x^6-3*x^2+12*x^3+3*x^4)/(x+1)/(3*x^2-5*x+3)/(x^2+x-1)/(x^2-x-1)$  lgdogf  
A075270 13.1097  $[ (x+1)*(3*x^2-5*x+3)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A075298 14.8502  $[ (3*x+1)*(x-1)/(x^3-x^2-x-1)$  ogf]  
A075298 18.2090  $-(x+1)*(3*x^3-7*x^2+9*x-1)/(x-1)/(3*x+1)/(x^3-x^2-x-1)$  lgdogf  
A075298 8.08804  $[{-a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = -5}]$ , ogf]  
A075328 16.2749  $[ (3*x+2)/(x+1)/(x-1)^2$  ogf]  
A075328 24.8842  $-(5+9*x+6*x^2)/(x-1)/(3*x+2)/(1+x)$  lgdogf  
A075328 7.70152  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 5, a(2) = 7}]$ , ogf]  
A075374 3.29855  $[{(-4-2*n)*a(n+1)+(2*n^2+7*n+4)*a(n+2)+(n^2+5*n+8)*a(n+3)+(-n-4)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 1, a(3) = 0}]$ , ogf]  
A075411 10.2502  $[ -4*x*(10*x+1)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A075411 5.59101  $[{a(n+3)-111*a(n+2)+1110*a(n+1)-1000*a(n), a(0) = 0, a(1) = 4, a(2) = 484}]$ , ogf]  
A075411 6.01041  $- (121-2220*x+20000*x^3-8100*x^2)/(-1+x)/(10*x+1)/(100*x-1)/(10*x-1)$  lgdogf  
A075412 3.59513  $[{a(n+3)-111*a(n+2)+1110*a(n+1)-1000*a(n), a(0) = 0, a(1) = 9, a(2) = 1089}]$ , ogf]  
A075412 6.52896  $- (121-2220*x+20000*x^3-8100*x^2)/(x-1)/(10*x+1)/(100*x-1)/(10*x-1)$  lgdogf  
A075412 6.64555  $[ -9*x*(10*x+1)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A075413 3.58676  $[{a(n+3)-111*a(n+2)+1110*a(n+1)-1000*a(n), a(0) = 0, a(1) = 16, a(2) = 1936}]$ , ogf]  
A075413 6.48781  $[ -16*x*(10*x+1)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A075413 6.56783  $- (121-2220*x+20000*x^3-8100*x^2)/(x-1)/(10*x+1)/(100*x-1)/(10*x-1)$  lgdogf  
A075414 3.58676  $[{a(n+3)-111*a(n+2)+1110*a(n+1)-1000*a(n), a(0) = 0, a(1) = 25, a(2) = 3025}]$ , ogf]

A075414 6.48781 [  $-25*x*(10*x+1)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A075414 6.56783  $-(121-2220*x+20000*x^3-8100*x^2)/(x-1)/(10*x+1)/(100*x-1)/(10*x-1)$  lgdogf  
A075415 3.58676 [{a(n+3)-111\*a(n+2)+1110\*a(n+1)-1000\*a(n), a(0) = 0, a(1) = 36, a(2) = 4356}, ogf]  
A075415 6.48781 [  $-36*x*(10*x+1)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A075415 6.56783  $-(121-2220*x+20000*x^3-8100*x^2)/(x-1)/(10*x+1)/(100*x-1)/(10*x-1)$  lgdogf  
A075416 3.58676 [{a(n+3)-111\*a(n+2)+1110\*a(n+1)-1000\*a(n), a(0) = 0, a(1) = 49, a(2) = 5929}, ogf]  
A075416 6.48781 [  $-49*x*(10*x+1)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A075416 6.56783  $-(121-2220*x+20000*x^3-8100*x^2)/(x-1)/(10*x+1)/(100*x-1)/(10*x-1)$  lgdogf  
A075417 3.58676 [{a(n+3)-111\*a(n+2)+1110\*a(n+1)-1000\*a(n), a(0) = 0, a(1) = 64, a(2) = 7744}, ogf]  
A075417 6.48781 [  $-64*x*(10*x+1)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A075417 6.56783  $-(121-2220*x+20000*x^3-8100*x^2)/(x-1)/(10*x+1)/(100*x-1)/(10*x-1)$  lgdogf  
A075418 8.06884  $-(1-x+2*x^9+19*x^5+4*x^8+x^6+15*x^2-3*x^7+35*x^3+39*x^4)/(x-1)/(x+1)/(2*x^2+3*x+2)/(x^3+x^2+x-1)/(x^3-x^2-x-1)$  lgdogf  
A075418 9.26273 [  $2*(x+1)*(2*x^2+3*x+2)*(x-1)^2/(x^3+x^2+x-1)/(x^3-x^2-x-1)$  ogf]  
A075419 12.6235 [  $-(x^2+2*x+3)/(x^2+1)/(x^3-x^2-x-1)$  ogf]  
A075419 12.6459  $-(1-10*x+6*x^5+3*x^6-3*x^2-12*x^3+9*x^4)/(x^2+1)/(x^2+2*x+3)/(x^3-x^2-x-1)$  lgdogf  
A075427 12.6513  $-2*(-1-3*x+6*x^4+4*x^3-3*x^2)/(x-1)/(2*x+1)/(1+x)/(2*x^2-1)$  lgdogf  
A075427 15.5364 [  $(2*x+1)/(x-1)/(x+1)/(2*x^2-1)$  ogf]  
A075436 30.5369  $1/4*x*(2+3*x)/(1+2*x)^2$  revogf  
A075495 12.5258  $-(1+10*x-14*x^5+9*x^6+7*x^2+4*x^3+x^4)/(x-1)/(3*x+1)/(x^2+1)/(x^3-x^2-x-1)$  lgdogf  
A075495 12.5548 [  $(3*x+1)*(x-1)/(x^2+1)/(x^3-x^2-x-1)$  ogf]  
A075506 14.3235  $-7*a(n)+(n+1)*a(n+1), a(0)=8, a(1)=7$  lgdegf  
A075507 14.8744  $8*a(n)+(-n-1)*a(n+1), a(0)=9, a(1)=8$  lgdegf  
A075508 12.9637  $-9*a(n)+(n+1)*a(n+1), a(0)=10, a(1)=9$  lgdegf  
A075509 12.5833  $10*a(n)+(-n-1)*a(n+1), a(0)=11, a(1)=10$  lgdegf  
A075510 6.21258  $-2*(15-340*x-8768*x^3+9600*x^4+2700*x^2)/(6*x-1)/(-1+4*x)/(2*x-1)/(8*x-1)/(-1+10*x)$  lgdogf  
A075510 8.10734 [  $-1/(6*x-1)/(4*x-1)/(2*x-1)/(8*x-1)/(10*x-1)$  ogf]  
A075511 5.94604 [  $1/(-1+12*x)/(6*x-1)/(4*x-1)/(2*x-1)/(8*x-1)/(10*x-1)$  ogf]  
A075512 4.74606 [  $-1/(-1+12*x)/(6*x-1)/(4*x-1)/(14*x-1)/(2*x-1)/(8*x-1)/(10*x-1)$  ogf]  
A075515 6.18761  $-9*(5-170*x-9864*x^3+16200*x^4+2025*x^2)/(12*x-1)/(6*x-1)/(15*x-1)/(3*x-1)/(9*x-1)$  lgdogf  
A075515 7.73842 [  $-1/(-1+12*x)/(6*x-1)/(15*x-1)/(3*x-1)/(9*x-1)$  ogf]  
A075516 5.44688 [  $1/(-1+12*x)/(6*x-1)/(15*x-1)/(3*x-1)/(9*x-1)/(18*x-1)$  ogf]  
A075528 13.2618 [  $-3*x/(x-1)/(x^2-34*x+1)$  ogf]  
A075528 15.2096  $-(35-70*x+3*x^2)/(x-1)/(x^2-34*x+1)$  lgdogf  
A075528 5.42005 [{a(n+3)-35\*a(n+2)+35\*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 105}, ogf]  
A075536 7.44401  $-(1-14*x-16*x^7-20*x^5-3*x^8-6*x^6-6*x^2+2*x^9)/(x^3-x^2+x+1)/(x^3+x^2+x-1)/(x^4-x^3-4*x^2-x-1)$  lgdogf  
A075536 8.53284 [  $x*(x^4-x^3-4*x^2-x-1)/(x^3-x^2+x+1)/(x^3+x^2+x-1)$  ogf]  
A075543 5.71877 [  $(x^10-x^9+8*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^3$  ogf]  
A075553 16.3328 [  $x*(x^2-x+1)/(x^4+1)$  ogf]  
A075553 17.6297 [  $x^7-x^5-x^3+x^2+x-1$  ogf\_with\_Euler\_transform]  
A075553 26.2314  $-(1-2*x+2*x^5+4*x^3-3*x^4)/(x^2-x+1)/(1+x^4)$  lgdogf  
A075554 5.08435 [  $-16*x^11-16*x^10-16*x^9-24*x^8-8*x^7+4*x^6+12*x^5+22*x^4+x^3+12*x^2+4*x+2)/(x-1)/(x+1)/(x^2+1)/(2*x^2-1)^2/(2*x^2+1)^2$  ogf]  
A075561 11.3389 [  $-(x^2-x+1)*(x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]

A075561 28.4231 [-x^5+3\*x^2+1 ogf\_with\_Euler\_transform]  
A075567 8.23359 2\*(3-8\*x-21\*x^7+30\*x^8-24\*x^9+7\*x^6-3\*x^3+9\*x^2+8\*x^10)/(x-1)/(2\*x^10-4\*x^9+4\*x^8-2\*x^7-6\*x^3+2\*x^2+12\*x-9) lgdogf  
A075567 9.45369 [- (2\*x^10-4\*x^9+4\*x^8-2\*x^7-6\*x^3+2\*x^2+12\*x-9)/(x-1)^2 ogf]  
A075664 5.55835 [(x^6+27\*x^5+153\*x^4+268\*x^3+153\*x^2+27\*x+1)/(x-1)^8 ogf]  
A075664 7.98050 -(35+495\*x+2\*x^6+87\*x^5+1952\*x^3+747\*x^4+1722\*x^2)/(x-1)/(x^6+27\*x^5+153\*x^4+268\*x^3+153\*x^2+27\*x+1) lgdogf  
A075676 6.70358 -(-1-6\*x+3\*x^8+2\*x^9-4\*x^6+24\*x^7-8\*x^3-6\*x^4-12\*x^5)/(x^3-x^2+x+1)/(x^3+x^2+x-1)/(x^4+x^3+6\*x^2-x-3) lgdogf  
A075676 8.53293 [(x^4+x^3+6\*x^2-x-3)/(x^3-x^2+x+1)/(x^3+x^2+x-1) ogf]  
A075681 14.3866 -3\*(7+5\*x+x^3-9\*x^2)/(x-1)/(x^4-x^3-12\*x^2+13\*x+2) lgdogf  
A075681 7.64957 [x^2\*(x^4-x^3-12\*x^2+13\*x+2)/(x-1)^4 ogf]  
A075682 13.5370 (-19-2\*x+x^4-4\*x^3+15\*x^2)/(x-1)/(x^4-x^3-12\*x^2+13\*x+2) lgdogf  
A075682 9.27177 [-x\*(x^4-x^3-12\*x^2+13\*x+2)/(x-1)^3 ogf]  
A075690 5.94362 [x^2\*(x^6-14\*x^5+32\*x^4+61\*x^3-84\*x^2-38\*x-2)/(x-1)^5 ogf]  
A075690 8.20176 (48+320\*x+38\*x^4-250\*x^3+x^6-6\*x^5+69\*x^2)/(x-1)/(x^6-14\*x^5+32\*x^4+61\*x^3-84\*x^2-38\*x-2) lgdogf  
A075701 9.77496 [- (3\*x^8+12\*x^7+24\*x^6-6\*x^5+7\*x^4-2\*x^3+3\*x^2-x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1) ogf]  
A075796 11.0301 [2\*(x+1)/(x^2-18\*x+1) ogf]  
A075796 13.0604 -(-1-9\*x+(1+20\*x+80\*x^2)^(1/2))/(-2+x) revogf  
A075796 15.0392 -(-19+2\*x+x^2)/(x+1)/(x^2-18\*x+1) lgdogf  
A075796 6.04029 [{-a(n+2)+18\*a(n+1)-a(n), a(0) = 2, a(1) = 38}, ogf]  
A075835 13.4630 [3\*x/(x^2-11\*x+1) ogf]  
A075835 21.8663 -(-11+2\*x)/(x^2+1-11\*x) lgdogf  
A075835 6.23896 [{a(n+2)-11\*a(n+1)+a(n), a(0) = 0, a(1) = 3}, ogf]  
A075835 9.48914 -1/2\*(-3-11\*x+(3\*x+1)^(1/2)\*(13\*x+3)^(1/2)\*3^(1/2))/x revogf  
A075836 5.90128 -2\*(-1-9\*x+24\*x^6+3\*x^8+18\*x^7-60\*x^2-78\*x^3-171\*x^4+3\*x^5+x^9)/(x^4+2\*x^3+9\*x^2+2\*x+1)/(x^6-38\*x^3+1) lgdogf  
A075836 7.74161 [2\*x\*(x^4+2\*x^3+9\*x^2+2\*x+1)/(x^6-38\*x^3+1) ogf]  
A075839 14.3890 [- (x-1)/(x^2-20\*x+1) ogf]  
A075839 15.1240 -1/2\*(-1-20\*x+(1+36\*x+396\*x^2)^(1/2))/(x+1) revogf  
A075839 20.3229 -(19-2\*x+x^2)/(x-1)/(x^2-20\*x+1) lgdogf  
A075839 7.87970 [{a(n+2)-20\*a(n+1)+a(n), a(0) = 1, a(1) = 19}, ogf]  
A075841 12.4489 [-3\*(x-1)/(x^2-6\*x+1) ogf]  
A075841 13.3712 -1/2\*(-3-6\*x+(9+24\*x+32\*x^2)^(1/2))/(x+3) revogf  
A075841 18.2740 -(5-2\*x+x^2)/(x-1)/(x^2+1-6\*x) lgdogf  
A075841 6.74942 [{a(n+2)-6\*a(n+1)+a(n), a(0) = 3, a(1) = 15}, ogf]  
A075843 11.2097 -1/2\*(-1-20\*x+(18\*x+1)^(1/2)\*(22\*x+1)^(1/2))/x revogf  
A075843 15.4160 [x/(x^2-20\*x+1) ogf]  
A075843 22.4193 -2\*(-10+x)/(x^2+1-20\*x) lgdogf  
A075843 6.39200 [{a(n+2)-20\*a(n+1)+a(n), a(0) = 0, a(1) = 1}, ogf]  
A075844 11.1594 -(-10\*x-3+(3+11\*x)^(1/2)\*(3\*x+1)^(1/2)\*3^(1/2))/x revogf  
A075844 14.6134 [6\*x/(x^2-20\*x+1) ogf]  
A075844 23.7743 -2\*(-10+x)/(x^2+1-20\*x) lgdogf  
A075844 6.77206 [{a(n+2)-20\*a(n+1)+a(n), a(0) = 0, a(1) = 6}, ogf]  
A075848 14.9884 -(-3\*x-3+(4\*x+3)^(1/2)\*(3+2\*x)^(1/2))/x revogf  
A075848 16.0454 [6\*x/(x^2-6\*x+1) ogf]  
A075848 29.2274 -2\*(x-3)/(x^2+1-6\*x) lgdogf  
A075848 7.32940 [{a(n+2)-6\*a(n+1)+a(n), a(0) = 0, a(1) = 6}, ogf]  
A075858 10.7207 -(211-530\*x+400\*x^2)/(20\*x-11)/(x-1)/(10\*x-1) lgdogf  
A075858 11.8268 [(20\*x-11)/(x-1)/(10\*x-1)^2 ogf]  
A075858 5.76919 [{-a(n+3)+21\*a(n+2)-120\*a(n+1)+100\*a(n), a(0) = 11, a(1) = 211, a(2) = 3111}, ogf]  
A075864 11.9007 x\*(-1-x^4+x^12)/(-1-x-x^2-2\*x^4-x^5-x^6-2\*x^8+x^13+x^14) revogf  
A075869 11.0904 [-3\*(x-1)/(x^2-18\*x+1) ogf]  
A075869 11.6062 -1/2\*(-3-18\*x+(9+96\*x+320\*x^2)^(1/2))/(x+3) revogf  
A075869 15.5958 -(17-2\*x+x^2)/(x-1)/(x^2-18\*x+1) lgdogf  
A075869 6.07330 [{a(n+2)-18\*a(n+1)+a(n), a(0) = 3, a(1) = 51}, ogf]  
A075870 15.4066 -(-1-3\*x+(1+4\*x+8\*x^2)^(1/2))/(x+2) revogf  
A075870 16.5833 [-2\*(x-1)/(x^2-6\*x+1) ogf]

A075870 17.9744  $-(5-2*x+x^2)/(x-1)/(x^2+1-6*x)$  lgdogf  
A075870 8.99093  $[{a(n+2)-6*a(n+1)+a(n), a(0) = 2, a(1) = 10}], ogf]$   
A075871 12.8387  $[180*x/(x^2-1298*x+1)] ogf]$   
A075871 16.5086  $-2*(-649+x)/(x^2+1-1298*x)$  lgdogf  
A075871 6.27006  $[{a(n+2)-1298*a(n+1)+a(n), a(0) = 0, a(1) = 180}], ogf]$   
A075871 7.94859  $-(-649*x-90+6*(36*x+5)^(1/2)*(65*x+9)^(1/2)*5^(1/2))/x$  revogf  
A075873 6.22872  $-2*(-1-9*x-171*x^4-78*x^3+18*x^7+3*x^8+x^9+3*x^5+24*x^6-60*x^2)/(x^4+2*x^3+9*x^2+2*x+1)/(x^6-38*x^3+1)$  lgdogf  
A075873 8.27056  $[x*(x^4+2*x^3+9*x^2+2*x+1)/(x^6-38*x^3+1)] ogf]$   
A075876 3.24095  $[2*x*(x+1)*(2*x-1)^2/(x-1)/(4*x-1)] ogf]$   
A075878 3.04036  $[{a(n+2)-20*a(n+1)+64*a(n), a(0) = 4, a(1) = 40}], ogf]$   
A075878 5.38398  $[-4*(10*x-1)/(16*x-1)/(4*x-1)] ogf]$   
A075878 5.52202  $-2*(5-64*x+320*x^2)/(4*x-1)/(16*x-1)/(10*x-1)$  lgdogf  
A075884 7.56162  $-(4+10*x+36*x^5+38*x^4+32*x^3+5*x^6+16*x^7+6*x^8+3*x^2+2*x^9)/(x-1)/(x+1)/(x^2+1)/(x^6+2*x^5+4*x^4+x^3+5*x^2+4*x+2)$  lgdogf  
A075884 9.96221  $[ (x^6+2*x^5+4*x^4+x^3+5*x^2+4*x+2)/(x-1)^2/(x+1)^2/(x^2+1)^2 ogf]$   
A075886 10.2324  $-6*(1-8*x^2-8*x^3+16*x^4)/(4*x^2-x-1)/(24*x^3-4*x^2-5*x+1)$  lgdogf  
A075886 5.31442  $[{-a(n+3)+5*a(n+2)+4*a(n+1)-24*a(n), a(0) = 1, a(1) = 6, a(2) = 30}], ogf]$   
A075886 9.77168  $[ -(4*x^2-x-1)/(24*x^3-4*x^2-5*x+1)] ogf]$   
A075906 5.04072  $[ -1/(-1+12*x)/(6*x-1)/(15*x-1)/(3*x-1)/(9*x-1)/(18*x-1)/(21*x-1)] ogf]$   
A075907 7.64563  $-8*(-5+140*x+3072*x^3-1200*x^2)/(16*x-1)/(8*x-1)/(12*x-1)/(-1+4*x)$  lgdogf  
A075907 8.89141  $[ 1/(16*x-1)/(8*x-1)/(-1+12*x)/(4*x-1)] ogf]$   
A075908 5.32482  $-4*(15-680*x+153600*x^4-70144*x^3+10800*x^2)/(12*x-1)/(4*x-1)/(20*x-1)/(-1+8*x)/(-1+16*x)$  lgdogf  
A075908 6.92487  $[ -1/(-1+12*x)/(4*x-1)/(20*x-1)/(8*x-1)/(16*x-1)] ogf]$   
A075909 5.74709  $[ 1/(-1+12*x)/(4*x-1)/(20*x-1)/(24*x-1)/(8*x-1)/(16*x-1)] ogf]$   
A075910 5.10953  $[ -1/(-1+12*x)/(28*x-1)/(4*x-1)/(20*x-1)/(24*x-1)/(8*x-1)/(16*x-1)] ogf]$   
A075911 10.4876  $-10*(3-55*x+225*x^2)/(15*x-1)/(5*x-1)/(10*x-1)$  lgdogf  
A075911 17.1058  $[ -1/(15*x-1)/(5*x-1)/(10*x-1)] ogf]$   
A075911 5.98702  $[{a(n+3)-30*a(n+2)+275*a(n+1)-750*a(n), a(0) = 1, a(1) = 30, a(2) = 625}], ogf]$   
A075912 10.6125  $[ 1/(15*x-1)/(20*x-1)/(5*x-1)/(10*x-1)] ogf]$   
A075912 7.16592  $-50*(-1+35*x+1200*x^3-375*x^2)/(15*x-1)/(20*x-1)/(5*x-1)/(10*x-1)$  lgdogf  
A075913 5.82546  $-25*(3-170*x+3375*x^2-27400*x^3+75000*x^4)/(15*x-1)/(25*x-1)/(20*x-1)/(5*x-1)/(10*x-1)$  lgdogf  
A075913 9.49724  $[ -1/(15*x-1)/(25*x-1)/(20*x-1)/(5*x-1)/(10*x-1)] ogf]$   
A075914 6.70788  $[ 1/(15*x-1)/(25*x-1)/(20*x-1)/(30*x-1)/(5*x-1)/(10*x-1)] ogf]$   
A075915 6.10996  $[ -1/(15*x-1)/(25*x-1)/(20*x-1)/(35*x-1)/(30*x-1)/(5*x-1)/(10*x-1)] ogf]$   
A075916 10.9698  $-36*(1-22*x+108*x^2)/(6*x-1)/(18*x-1)/(12*x-1)$  lgdogf  
A075916 11.9931  $[ -1/(6*x-1)/(18*x-1)/(-1+12*x)] ogf]$   
A075916 4.26200  $[{a(n+3)-36*a(n+2)+396*a(n+1)-1296*a(n), a(0) = 1, a(1) = 36, a(2) = 900}], ogf]$   
A075917 7.12854  $-12*(-5+210*x+10368*x^3-2700*x^2)/(6*x-1)/(18*x-1)/(12*x-1)/(24*x-1)$  lgdogf  
A075917 8.12415  $[ 1/(6*x-1)/(18*x-1)/(-1+12*x)/(24*x-1)] ogf]$   
A075918 5.97002  $-18*(5-340*x+8100*x^2-78912*x^3+259200*x^4)/(-1+12*x)/(6*x-1)/(24*x-1)/(30*x-1)/(18*x-1)$  lgdogf  
A075918 7.55203  $[ -1/(-1+12*x)/(6*x-1)/(24*x-1)/(30*x-1)/(18*x-1)] ogf]$   
A075919 5.11144  $[ 1/(-1+12*x)/(6*x-1)/(36*x-1)/(24*x-1)/(30*x-1)/(18*x-1)] ogf]$   
A075921 11.5062  $-1/196*(-1-21*x+(1+42*x+49*x^2)^(1/2))/x$  revogf  
A075921 13.4669  $[ 1/(14*x-1)/(7*x-1)] ogf]$   
A075921 15.8707  $-7*(-3+28*x)/(14*x-1)/(7*x-1)$  lgdogf  
A075921 5.54518  $[{-a(n+2)+21*a(n+1)-98*a(n), a(0) = 1, a(1) = 21}], ogf]$

A075922 11.5123  $-14*(3-77*x+441*x^2)/(21*x-1)/(7*x-1)/(14*x-1)$  lgdogf  
A075922 12.5734  $[-1/(21*x-1)/(7*x-1)/(14*x-1)$  ogf]  
A075922 4.43160  $[{a(n+3)-42*a(n+2)+539*a(n+1)-2058*a(n), a(0) = 1, a(1) = 42, a(2) = 1225},$  ogf]  
A075923 7.44714  $-14*(-5+245*x-3675*x^2+16464*x^3)/(21*x-1)/(28*x-1)/(7*x-1)/(14*x-1)$  lgdogf  
A075923 8.47931  $[1/(21*x-1)/(28*x-1)/(7*x-1)/(14*x-1)$  ogf]  
A075924 5.98152  $-7*(15-1190*x+1440600*x^4-375928*x^3+33075*x^2)/(28*x-1)/(14*x-1)/(35*x-1)/(7*x-1)/(21*x-1)$  lgdogf  
A075924 7.60479  $[-1/(28*x-1)/(14*x-1)/(35*x-1)/(7*x-1)/(21*x-1)$  ogf]  
A075925 5.27812  $[1/(28*x-1)/(14*x-1)/(42*x-1)/(35*x-1)/(7*x-1)/(21*x-1)$  ogf]  
A076003 11.2730  $[-1/(16*x-1)/(8*x-1)/(24*x-1)$  ogf]  
A076003 3.97329  $[{a(n+3)-48*a(n+2)+704*a(n+1)-3072*a(n), a(0) = 1, a(1) = 48, a(2) = 1600},$  ogf]  
A076003 9.67161  $-16*(3-88*x+576*x^2)/(-1+16*x)/(-1+8*x)/(-1+24*x)$  lgdogf  
A076004 7.57469  $-16*(-5+280*x-4800*x^2+24576*x^3)/(16*x-1)/(-1+8*x)/(32*x-1)/(24*x-1)$  lgdogf  
A076004 8.74567  $[1/(16*x-1)/(8*x-1)/(32*x-1)/(24*x-1)$  ogf]  
A076005 5.24912  $-8*(15-1360*x-561152*x^3+2457600*x^4+43200*x^2)/(24*x-1)/(8*x-1)/(40*x-1)/(16*x-1)/(32*x-1)$  lgdogf  
A076005 6.50968  $[-1/(24*x-1)/(8*x-1)/(40*x-1)/(16*x-1)/(32*x-1)$  ogf]  
A076006 5.33254  $[1/(48*x-1)/(24*x-1)/(8*x-1)/(40*x-1)/(16*x-1)/(32*x-1)$  ogf]  
A076008 12.4073  $-1/324*(-1-27*x+(1+54*x+81*x^2)^(1/2))/x$  revogf  
A076008 14.0940  $[1/(18*x-1)/(9*x-1)$  ogf]  
A076008 17.1136  $-27*(12*x-1)/(18*x-1)/(9*x-1)$  lgdogf  
A076008 5.89981  $[{-a(n+2)+27*a(n+1)-162*a(n), a(0) = 1, a(1) = 27},$  ogf]  
A076009 10.5967  $-54*(1-33*x+243*x^2)/(18*x-1)/(27*x-1)/(9*x-1)$  lgdogf  
A076009 11.5879  $[-1/(18*x-1)/(27*x-1)/(9*x-1)$  ogf]  
A076009 4.08427  $[{a(n+3)-54*a(n+2)+891*a(n+1)-4374*a(n), a(0) = 1, a(1) = 54, a(2) = 2025},$  ogf]  
A076010 7.84538  $-18*(-5+315*x+34992*x^3-6075*x^2)/(36*x-1)/(18*x-1)/(27*x-1)/(9*x-1)$  lgdogf  
A076010 8.77932  $[1/(36*x-1)/(18*x-1)/(27*x-1)/(9*x-1)$  ogf]  
A076011 6.68561  $[-1/(45*x-1)/(36*x-1)/(9*x-1)/(18*x-1)/(27*x-1)$  ogf]  
A076012 4.53400  $[1/(45*x-1)/(36*x-1)/(9*x-1)/(18*x-1)/(27*x-1)/(54*x-1)$  ogf]  
A076024 13.4107  $[x*(3*x-1)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A076024 6.94480  $[{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = 0, a(1) = 1, a(2) = 4},$  ogf]  
A076025 11.0562  $-1/2*(5-20*x+(-(-1+4*x)*(-7+24*x)^2)^(1/2))/(-1+4*x)/(16*x-3)/(9*x-2)$  lgdogf  
A076026 10.4169  $-1/2*(11-44*x+(-(-1+4*x)*(-13+40*x)^2)^(1/2))/(25*x-4)/(-1+4*x)/(16*x-3)$  lgdogf  
A076027 6.05230  $(-2+2*x+4*x^7-3*x^2-4*x^3+6*x^4+4*x^5+20*x^23-61*x^22+62*x^21-21*x^20-10*x^6)/(x-1)/(x^23-2*x^22+x^21+x^7-x^6-x^5+x^4+x^3-x+1)$  lgdogf  
A076027 6.48662  $[-(x^23-2*x^22+x^21+x^7-x^6-x^5+x^4+x^3-x+1)/(x-1)^3$  ogf]  
A076032 18.1267  $[(x^2+1)/(x-1)^2$  ogf]  
A076032 30.5162  $[[-x^3+x+2]$  ogf\_with\_Euler\_transform]  
A076032 39.6112  $-2*(1+x)/(x-1)/(1+x^2)$  lgdogf  
A076032 8.70790  $[{a(n+3)-2*a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 4},$  ogf]  
A076035 22.4390  $(-1-8*x+2*(1+4*x+16*x^2)^(1/2))*x$  revogf  
A076035 4.85934  $[{(64*n+96)*a(n+1)+(-28*n-66)*a(n+2)+(3*n+9)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 20},$  ogf]  
A076036 19.2255  $1/2*(-3-25*x+5*(1+6*x+25*x^2)^(1/2))*x$  revogf  
A076036 4.70323  $[{(100*n+150)*a(n+1)+(-41*n-99)*a(n+2)+(4*n+12)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 30},$  ogf]  
A076040 20.2744  $[-x/(x+1)/(3*x+1)$  ogf]  
A076040 6.82027  $-2*(-2+3*x)/(-1+3*x)/(-1+x)$  lgdogf  
A076040 8.25995  $[{-a(n+2)-4*a(n+1)-3*a(n), a(0) = 0, a(1) = -1},$  ogf]  
A076049 6.91521  $-2*(-4-17*x+x^7+13*x^2+35*x^3-6*x^4-11*x^5+x^6)/(x-1)/(x^2+2*x-1)/(x^2-2*x-1)/(x^3+x^2-5*x-3)$  lgdogf

A076049 7.33833 [  $x*(x^3+x^2-5*x-3)/(x-1)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A076086 4.91960 [ -  
 $(2048*x^{11}+1024*x^{10}+2048*x^9+1024*x^8+512*x^7-64*x^6-32*x^5+16*x^4+8*x^3+4*x^2+2*x+1)/(96*x^5-1)$  ogf]  
A076095 8.17544 [  $-(x^8-2*x^7+2*x^6-2*x^5+x^4+x^3-x+1)/(x-1)^3$  ogf]  
A076095 8.43503  $(-2+2*x+20*x^6-16*x^5-3*x^2-4*x^3+11*x^4+5*x^8-16*x^7)/(x-1)/(x^8-2*x^7+2*x^6-2*x^5+x^4+x^3-x+1)$  lgdogf  
A076118 14.4528 [  $-x*(x-1)/(x^2-x+1)^2$  ogf]  
A076118 28.3846 [  $2*x^5-2*x^2-2*x+1$  ogf\_with\_Euler\_transform]  
A076118 36.5577  $-(1-5*x+3*x^2)/(x-1)/(x^2-x+1)$  lgdogf  
A076118 4.81760 [  $\{(-3-n)*a(n+4)+(5+2*n)*a(n+3)+(-7-2*n)*a(n+2)+(n+3)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = -1\}$ , ogf]  
A076119 7.67126 [  $-(12*x^9+14*x^8+8*x^7+7*x^6+3*x^5+2*x^4+10*x^3+13*x^2+18*x+20)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A076139 15.6420  $-3*(5-10*x+x^2)/(x-1)/(x^2-14*x+1)$  lgdogf  
A076139 16.0237 [  $-x/(x-1)/(x^2-14*x+1)$  ogf]  
A076139 6.04402 [  $\{a(n+3)-15*a(n+2)+15*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 15\}$ , ogf]  
A076140 14.1660  $-3*(5-10*x+x^2)/(x-1)/(x^2-14*x+1)$  lgdogf  
A076140 15.1061 [  $-3*x/(x-1)/(x^2-14*x+1)$  ogf]  
A076140 6.22796 [  $\{a(n+3)-15*a(n+2)+15*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 45\}$ , ogf]  
A076148 10.6439 [  $(x^2+x-1)/(3*x-1)/(x+1)^2$  ogf]  
A076148 15.5950  $-x*(-8+3*x+3*x^2)/(3*x-1)/(x+1)/(x^2+x-1)$  lgdogf  
A076148 5.84937 [  $\{-a(n+3)+a(n+2)+5*a(n+1)+3*a(n), a(0) = 1, a(1) = 0, a(2) = 4\}$ , ogf]  
A076149 10.9746 [  $-x*(2*x+3)/(3*x-1)/(x+1)^2$  ogf]  
A076149 16.2048  $-(5+25*x+12*x^2)/(2*x+3)/(3*x-1)/(x+1)$  lgdogf  
A076149 5.63563 [  $\{-a(n+3)+a(n+2)+5*a(n+1)+3*a(n), a(0) = 0, a(1) = 3, a(2) = 5\}$ , ogf]  
A076151 20.1866  $(-3*x+(1+3*x)^{(4/3)}-1)/(1+3*x)^2$  revegef  
A076151 4.79785 [  $\{(-27*n^3-270*n^2-897*n-990)*a(n+1)+(4*n^2+34*n+72)*a(n+2), a(0) = 1, a(1) = 8\}$ , ogf]  
A076217 6.94453 [ -  
 $(27*x^{28}+54*x^{27}+27*x^{26}+9*x^{10}+18*x^9+9*x^8+3*x^4+6*x^3+5*x^2+4*x+1)/(x-1)/(x+1)^2$  ogf]  
A076218 4.79587 [  $\{-a(n+4)+35*a(n+3)-35*a(n+2)+a(n+1), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 145\}$ , ogf]  
A076218 8.67671  $-(5-60*x+5*x^4-60*x^3+878*x^2)/(x-1)/(x^2-34*x+1)/(5*x^2-30*x+1)$  lgdogf  
A076218 9.52122 [  $-x*(5*x^2-30*x+1)/(x-1)/(x^2-34*x+1)$  ogf]  
A076264 19.0549 [  $1/(x^3-3*x+1)$  ogf]  
A076264 22.8067  $-3*(-1+x)*(x+1)/(1-3*x+x^3)$  lgdogf  
A076264 6.68950 [  $\{-a(n+3)+3*a(n+2)-a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A076293 6.38626  $-(7-13*x+17*x^6+18*x^5+11*x^7+6*x^4-30*x^3+x^8-23*x^2)/(x+1)/(x^6-6*x^3+1)/(x^2+3*x+1)$  lgdogf  
A076293 9.34698 [  $(x+1)*(x^2+3*x+1)^2/(x^6-6*x^3+1)$  ogf]  
A076294 9.63800 [  $-(x-1)*(5*x^4+12*x^3+25*x^2+12*x+5)/(x^6-6*x^3+1)$  ogf]  
A076295 7.14302 [  $-(3*x^6-3*x^5-5*x^4-21*x^3+5*x^2+3*x+4)/(x-1)/(x^6-6*x^3+1)$  ogf]  
A076296 7.04605 [  $(4*x^6+3*x^5+5*x^4-21*x^3-5*x^2-3*x+3)/(x-1)/(x^6-6*x^3+1)$  ogf]  
A076301 16.7408  $-(2-2*x+3*x^2)/(x-1)/(3*x^2-4*x+2)$  lgdegf  
A076301 3.41866 [  $\{(-3*n^2-12*n-12)*a(n+1)+(n^2+11*n+19)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A076301 9.52741 [  $-1/2*(3*x^2-4*x+2)/(x-1)^3$  egf]  
A076307 6.29839 [  $-(2*x^{12}+2*x^9+x^8+x^7+2*x^6-x^5+2*x^4+2*x^3+1)/(x+1)/(x^4-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^3$  ogf]  
A076309 5.38578 [  $x*(19*x^9-2*x^8-2*x^7-2*x^6-2*x^5-2*x^4-2*x^3-2*x^2-2*x-2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A076310 7.28792 [  $-x*(35*x^9-4*x^8-4*x^7-4*x^6-4*x^5-4*x^4-4*x^3-4*x^2-4*x-4)/(x$



+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A076311 5.25187 [ x\*(46\*x^9-5\*x^8-5\*x^7-5\*x^6-5\*x^5-5\*x^4-5\*x^3-5\*x^2-5\*x-5)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A076312 7.24957 [ -x\*(17\*x^9-2\*x^8-2\*x^7-2\*x^6-2\*x^5-2\*x^4-2\*x^3-2\*x^2-2\*x-2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A076313 5.86430 [ x\*(10\*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A076314 7.52722 [ -x\*(8\*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A076338 12.9606 [ -(-511\*x-513)/(-511\*x^2+510\*x+1) lgdogf]  
A076338 15.4424 [ (511\*x+1)/(x-1)^2 ogf]  
A076338 18.2398 -1/2\*(-1-2\*x+(2048\*x+1)^(1/2))/(-511+x) revogf  
A076338 25.4054 -(513+511\*x)/(511\*x+1)/(x-1) lgdogf  
A076338 8.64042 [{-a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 513}], ogf]  
A076389 12.4527 -10\*(3+20\*x+2\*x^3+17\*x^2)/(x-1)/(5\*x^3+31\*x^2+23\*x+1) lgdogf  
A076389 3.54547 [{(71\*n^2+544\*n+1040)\*a(n+1)+(-41\*n^2+165\*n+596)\*a(n+2)+(-30\*n^2-103\*n-86)\*a(n+3), a(0) = 0, a(1) = 1, a(2) = 30}], ogf]  
A076389 6.03687 [ -x\*(5\*x^3+31\*x^2+23\*x+1)/(x-1)^7 ogf]  
A076389 7.61469 [ -(20\*x^3+170\*x^2+200\*x+30)/(5\*x^4+26\*x^3-8\*x^2-22\*x-1) lgdogf]  
A076441 10.2272 [ (x^9-2\*x^8-x^6-x^3-2\*x^2-2\*x-2)/(x^6+x^3+1)/(x-1)/(x^2+x+1) ogf]  
A076441 7.59904 (2+4\*x+3\*x^2+6\*x^5+16\*x^7+9\*x^8+16\*x^9+14\*x^10+6\*x^11+3\*x^14+2\*x^16)/(x-1)/(x^2+x+1)/(x^9-2\*x^8-x^6-x^3-2\*x^2-2\*x-2)/(x^6+x^3+1) lgdogf  
A076447 7.74210 [ (x^10-x^9-2\*x^8+x^7+x^6-x^4+x^3-2)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1) ogf]  
A076451 4.87169 [ (x^19-x^18-x^16-x^15+2\*x^14-x^13+x^12-x^10+x^9-x^7+x^6-2\*x^5+x^4+x^3-2)/(x-1)/(x^2+1)/(x^4-x^2+1)/(x^12-x^6+1) ogf]  
A076452 9.75213 [ x\*(x^7-x^6-2\*x^5-x^4+x^3-x-1)/(x^6+x^3+1)/(x-1)/(x^2+x+1) ogf]  
A076453 9.80631 [ -(x^6-2\*x^5+2\*x^4-x^3+2\*x^2-2\*x+1)\*(x+1)^2/(x^6+x^3+1)/(x-1)/(x^2+x+1) ogf]  
A076454 10.5619 [ -(7\*x^2+16\*x+1)/(x-1)^5 ogf]  
A076454 12.4258 [ -(21\*x^2+78\*x+21)/(7\*x^3+9\*x^2-15\*x-1) lgdogf]  
A076454 21.8556 -3\*(7+26\*x+7\*x^2)/(x-1)/(7\*x^2+16\*x+1) lgdogf  
A076454 4.12173 [{(n+4)\*a(n+4)+(24+15\*n)\*a(n+3)+(-96-9\*n)\*a(n+2)+(-28-7\*n)\*a(n+1), a(0) = 1, a(1) = 21, a(2) = 102, a(3) = 310}], ogf]  
A076455 10.4403 [ -(33\*x^2+150\*x+57)/(11\*x^3+21\*x^2-27\*x-5) lgdogf]  
A076455 17.7384 -3\*(19+50\*x+11\*x^2)/(x-1)/(11\*x^2+32\*x+5) lgdogf  
A076455 3.54670 [{(5\*n+20)\*a(n+4)+(24+27\*n)\*a(n+3)+(-192-21\*n)\*a(n+2)+(-44-11\*n)\*a(n+1), a(0) = 5, a(1) = 57, a(2) = 246, a(3) = 710}], ogf]  
A076455 9.15136 [ -(11\*x^2+32\*x+5)/(x-1)^5 ogf]  
A076456 11.5501 [ -(15\*x^2+74\*x+31)/(5\*x^3+11\*x^2-13\*x-3) lgdogf]  
A076456 21.1582 -(31+74\*x+15\*x^2)/(x-1)/(5\*x+1)/(x+3) lgdogf  
A076456 3.85003 [{(3\*n+12)\*a(n+4)+(8+13\*n)\*a(n+3)+(-96-11\*n)\*a(n+2)+(-20-5\*n)\*a(n+1), a(0) = 9, a(1) = 93, a(2) = 390, a(3) = 1110}], ogf]  
A076456 9.83898 [ -3\*(x+3)\*(5\*x+1)/(x-1)^5 ogf]  
A076457 11.2071 [ -(57\*x^2+294\*x+129)/(19\*x^3+45\*x^2-51\*x-13) lgdogf]  
A076457 19.1431 -3\*(43+98\*x+19\*x^2)/(x-1)/(19\*x^2+64\*x+13) lgdogf  
A076457 3.84092 [{(13\*n+52)\*a(n+4)+(24+51\*n)\*a(n+3)+(-384-45\*n)\*a(n+2)+(-76-19\*n)\*a(n+1), a(0) = 13, a(1) = 129, a(2) = 534, a(3) = 1510}], ogf]  
A076457 9.97702 [ -(19\*x^2+64\*x+13)/(x-1)^5 ogf]  
A076458 10.3497 [ -(69\*x^2+366\*x+165)/(23\*x^3+57\*x^2-63\*x-17) lgdogf]  
A076458 17.2481 -3\*(55+122\*x+23\*x^2)/(x-1)/(23\*x^2+80\*x+17) lgdogf  
A076458 3.54709 [{(17\*n+68)\*a(n+4)+(24+63\*n)\*a(n+3)+(-480-57\*n)\*a(n+2)+(-92-23\*n)\*a(n+1), a(0) = 17, a(1) = 165, a(2) = 678, a(3) = 1910}], ogf]  
A076458 9.21379 [ -(23\*x^2+80\*x+17)/(x-1)^5 ogf]  
A076459 14.6331 -3\*(19+127\*x+5\*x^3+89\*x^2)/(x-1)/(5\*x^3+63\*x^2+51\*x+1) lgdogf  
A076459 4.06087 [{(493\*n^2+4167\*n+8780)\*a(n+1)+(-566\*n^2-2440\*n-3072)\*a(n+2)+(-73\*n^2+373\*n+462)\*a(n+3), a(0) = 1, a(1) = 57, a(2) = 390}], ogf]  
A076459 8.20461 [ (5\*x^3+63\*x^2+51\*x+1)/(x-1)^6 ogf]  
A076459 9.03429 [ -(15\*x^3+267\*x^2+381\*x+57)/(5\*x^4+58\*x^3-12\*x^2-50\*x-1) lgdogf]

A076460 10.2791  $-(103+1436*x+3014*x^2+1252*x^3+75*x^4)/(x-1)/$   
 $(25*x^4+288*x^3+430*x^2+96*x+1)$  lgdogf  
A076460 6.67801  $[-(25*x^4+288*x^3+430*x^2+96*x+1)/(x-1)^7$  ogf]  
A076460 6.85072  $[-(-75*x^4-1252*x^3-3014*x^2-1436*x-103)/$   
 $(-25*x^5-263*x^4-142*x^3+334*x^2+95*x+1)$  lgdogf]  
A076461 6.60977  $[-(61*x^4+864*x^3+1582*x^2+480*x+13)/(x-1)^7$  ogf]  
A076461 9.79091  $-(571+6044*x+10502*x^2+3700*x^3+183*x^4)/(x-1)/$   
 $(61*x^4+864*x^3+1582*x^2+480*x+13)$  lgdogf  
A076462 6.02097  $[-(113*x^4+1760*x^3+3502*x^2+1184*x+41)/(x-1)^7$  ogf]  
A076462 8.59987  $-(1471+14108*x+22790*x^2+7492*x^3+339*x^4)/(x-1)/$   
 $(113*x^4+1760*x^3+3502*x^2+1184*x+41)$  lgdogf  
A076463 5.81974  $[-(181*x^4+2976*x^3+6190*x^2+2208*x+85)/(x-1)^7$  ogf]  
A076463 8.21369  $-(2803+25628*x+543*x^4+12628*x^3+39878*x^2)/(x-1)/$   
 $(181*x^4+2976*x^3+6190*x^2+2208*x+85)$  lgdogf  
A076464 5.85019  $[-(265*x^4+4512*x^3+9646*x^2+3552*x+145)/(x-1)^7$  ogf]  
A076464 8.23009  $-(4567+40604*x+61766*x^2+19108*x^3+795*x^4)/(x-1)/$   
 $(265*x^4+4512*x^3+9646*x^2+3552*x+145)$  lgdogf  
A076465 4.46076  $[-(13*x^6+1354*x^5+11255*x^4+19300*x^3+7835*x^2+562*x+1)/$   
 $(x-1)^9$  ogf]  
A076505 10.3060  $2*(1+9*x+108*x^4+48*x^3+18*x^2)/(x-1)/(12*x^2+3*x+1)/(24*x^3-1)$   
lgdogf  
A076505 11.2282  $[(x-1)*(12*x^2+3*x+1)/(24*x^3-1)$  ogf]  
A076505 6.75984  $\{-a(n+4)+24*a(n+1), a(0) = 1, a(1) = 2, a(2) = 9, a(3) = 12\},$   
ogf]  
A076506 10.8032  $-3*(1+8*x+24*x^2+48*x^3+96*x^4)/(12*x^2+3*x+1)/(24*x^3-1)$  lgdogf  
A076506 12.3297  $[-(12*x^2+3*x+1)/(24*x^3-1)$  ogf]  
A076506 8.06171  $\{-a(n+3)+24*a(n), a(0) = 1, a(1) = 3, a(2) = 12\},$  ogf]  
A076508 11.4034  $-4*(1+4*x+48*x^4+48*x^3+18*x^2)/(8*x^2+4*x+1)/(24*x^3-1)$  lgdogf  
A076508 12.7769  $[-2*(8*x^2+4*x+1)/(24*x^3-1)$  ogf]  
A076508 8.35410  $\{a(n+3)-24*a(n), a(0) = 2, a(1) = 8, a(2) = 16\},$  ogf]  
A076509 10.6026  $(1+8*x+54*x^2+48*x^3+96*x^4)/(x-1)/(6*x^2+2*x+1)/(24*x^3-1)$   
lgdogf  
A076509 10.6431  $[3*(x-1)*(6*x^2+2*x+1)/(24*x^3-1)$  ogf]  
A076509 6.45038  $\{-a(n+4)+24*a(n+1), a(0) = 3, a(1) = 3, a(2) = 12, a(3) = 54\},$   
ogf]  
A076510 11.4615  $-2*(1+6*x+72*x^4+48*x^3+36*x^2)/(6*x^2+2*x+1)/(24*x^3-1)$  lgdogf  
A076510 12.8407  $[-3*(6*x^2+2*x+1)/(24*x^3-1)$  ogf]  
A076510 8.39587  $\{-a(n+3)+24*a(n), a(0) = 3, a(1) = 6, a(2) = 18\},$  ogf]  
A076536 5.50731  $[(2*x^14+x^13+2*x^12+2*x^11+20*x^10+4*x^9+5*x^8+x^7+34*x^6+5*x^5+4*x^4+4*x^3+16*x$   
 $^2+2*x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2/(x^4+1)^2$  ogf]  
A076612 5.95498  $[-(81*x^11-9*x^10-18*x^9-18*x^8-27*x^7-9*x^6-92*x^5-$   
 $x^4-2*x^3-2*x^2-3*x-1)/(x^2-x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A076616 11.0378  $[2*x^3*(4*x^2-2*x-1)/(2*x-1)^3$  ogf]  
A076616 13.7973  $[-(-8*x^2+8)/(-8*x^3+8*x^2-1)$  lgdogf]  
A076616 4.06657  $\{(-28*n^2-172*n+200)*a(n+1)+(-24*n^2-48*n-200)*a(n$   
 $+2)+(19*n^2+15*n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\},$  ogf]  
A076622 11.5795  $2*x*(-1+10*x^12-12*x^10+x^3+39*x^41-41*x^39-3*x)/(x-1)/(x+1)/$   
 $(2*x^41+2*x^12+2*x^3+1)$  lgdogf  
A076622 15.6610  $[-(2*x^41+2*x^12+2*x^3+1)/(x-1)/(x+1)$  ogf]  
A076641 4.49050  $[-(81*x^18-9*x^17-9*x^16-9*x^15-9*x^14-9*x^13-9*x^12-9*x^11-9*x^10-x^9-x^8-x^7-$   
 $x^6-x^5-x^4-x^3-x^2-x-1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A076684 4.33662  $\{a(n+3)-19*a(n+2)+19*a(n+1)-a(n), a(0) = 1, a(1) = 33, a(2) =$   
 $609\},$  ogf]  
A076684 7.92788  $[-(x^2+14*x+1)/(x-1)/(x^2-18*x+1)$  ogf]  
A076684 8.13596  $-(33-36*x+28*x^3+x^4-282*x^2)/(x-1)/(x^2+14*x+1)/(x^2-18*x+1)$   
lgdogf  
A076708 10.9219  $-2*(-17+35*x+x^3-11*x^2)/(x-5)/(x-1)/(x^2-6*x+1)$  lgdogf  
A076708 12.7070  $[x*(x-5)/(x-1)/(x^2-6*x+1)$  ogf]  
A076708 6.46695  $\{-a(n+3)+7*a(n+2)-7*a(n+1)+a(n), a(0) = 0, a(1) = 5, a(2) =$

34}], ogf]

A076708 8.42207  $[-(2*x^3-22*x^2+70*x-34)/(x^4-12*x^3+42*x^2-36*x+5) \text{ lgdogf}]$

A076729 11.3328  $[-(12*x-4)/(8*x^2-6*x+1) \text{ lgdegf}]$

A076729 19.4277  $-4*(3*x-1)/(-1+4*x)/(-1+2*x) \text{ lgdegf}$

A076729 3.80349  $[{(8*n^2+36*n+40)*a(n+1)+(-6*n-16)*a(n+2)+a(n+3), a(0) = 1, a(1) = 4, a(2) = 28}], \text{ ogf}]$

A076736 12.9459  $(1+2*x-4*x^3+4*x^5+2*x^2)/(x-1)/(2*x^2-1)/(x^3+x^2+2*x+1) \text{ lgdogf}$

A076736 13.2115  $[(x-1)*(x^3+x^2+2*x+1)/(2*x^2-1) \text{ ogf}]$

A076736 6.97272  $[{a(n+5)-2*a(n+3), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2, a(4) = 1}], \text{ ogf}]$

A076736 7.84431  $[-(4*x^5-4*x^3+2*x^2+2*x+1)/(-2*x^6-x^4+2*x^3+3*x^2-x-1) \text{ lgdogf}]$

A076737 6.51265  $(2+4*x+78*x^5+x^4-28*x^3+20*x^6-80*x^7-5*x^2+32*x^9)/(x-1)/(2*x+1)/(-1+2*x)/(1+x)/(4*x^6+x^4-5*x^3-8*x^2+2*x+2) \text{ lgdogf}$

A076737 9.09888  $[ (4*x^6+x^4-5*x^3-8*x^2+2*x+2)/(x-1)/(2*x+1)/(2*x-1)/(x+1) \text{ ogf}]$

A076738 10.7647  $[{-a(n+3)+9*a(n), a(0) = 1, a(1) = 2, a(2) = 6}], \text{ ogf}]$

A076738 14.8891  $-(2+12*x+54*x^4+36*x^3+27*x^2)/(6*x^2+2*x+1)/(9*x^3-1) \text{ lgdogf}$

A076738 16.6962  $[ -(6*x^2+2*x+1)/(9*x^3-1) \text{ ogf}]$

A076738 8.02075  $[{-(-54*x^4-36*x^3-27*x^2-12*x-2)/(-54*x^5-18*x^4-9*x^3+6*x^2+2*x+1) \text{ lgdogf}]$

A076739 5.27648  $[ -(x^13-x^5-1)/(x^16+x^15+x^14-3*x^13-x^10-2*x^8-x^7-x^6-x^3-x^2-x+1) \text{ ogf}]$

A076758 14.4624  $-2*(49+124*x+2*x^3+49*x^2)/(x-1)/(x^3+19*x^2+35*x+9) \text{ lgdogf}$

A076758 3.79277  $[{(761*n^2+6372*n+13312)*a(n+1)+(-1314*n^2-7944*n-19272)*a(n+2)+(553*n^2+2820*n+3428)*a(n+3), a(0) = 0, a(1) = 9, a(2) = 98}], \text{ ogf}]$

A076758 6.86798  $[ -x*(x^3+19*x^2+35*x+9)/(x-1)^7 \text{ ogf}]$

A076758 8.76260  $[-(4*x^3+98*x^2+248*x+98)/(x^4+18*x^3+16*x^2-26*x-9) \text{ lgdogf}]$

A076765 16.5980  $[ -1/(x-1)/(x^2-8*x+1) \text{ ogf}]$

A076765 18.8169  $-3*(3-6*x+x^2)/(x-1)/(x^2-8*x+1) \text{ lgdogf}$

A076765 5.43473  $[{a(n+3)-9*a(n+2)+9*a(n+1)-a(n), a(0) = 1, a(1) = 9, a(2) = 72}], \text{ ogf}]$

A076765 9.44808  $[-(3*x^2-18*x+9)/(x^3-9*x^2+9*x-1) \text{ lgdogf}]$

A076767 13.0815  $-5*(3+18*x+8*x^3+27*x^2)/(x-1)/(10*x^3+21*x^2+8*x+1) \text{ lgdogf}$

A076767 3.73213  $[{(19*n^2+121*n+180)*a(n+1)+(-14*n^2+41*n+100)*a(n+2)+(-5*n^2-18*n-16)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 15}], \text{ ogf}]$

A076767 6.22022  $[ -x*(10*x^3+21*x^2+8*x+1)/(x-1)^7 \text{ ogf}]$

A076767 7.84595  $[{-(-40*x^3-135*x^2-90*x-15)/(-10*x^4-11*x^3+13*x^2+7*x+1) \text{ lgdogf}]$

A076770 10.7800  $[ -2*(x^6-x^5+x^4+x^3+6*x-9)/(x-1)^2 \text{ ogf}]$

A076770 12.2830  $(12-6*x-9*x^5+7*x^4-3*x^3+4*x^6-3*x^2)/(x-1)/(x^6-x^5+x^4+x^3+6*x-9) \text{ lgdogf}$

A076795 3.82998  $[{(-2*n-3)*a(n+1)+(2*n+4)*a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 2}], \text{ ogf}]$

A076808 7.68490  $[ (13301*x^3-29515*x^2+22567*x-5861)/(x-1)^4 \text{ ogf}]$

A076808 9.33439  $[-(877+8671*x-19127*x^2+13301*x^3)/(x-1)/(13301*x^3-29515*x^2+22567*x-5861) \text{ lgdogf}]$

A076809 6.12963  $[-(8779-256*x+x^4-3172*x^3-5232*x^2)/(-1+x)/(x^4-1588*x^3-156*x^2+14*x+1753) \text{ lgdogf}]$

A076809 7.89788  $[-(x^4-3172*x^3-5232*x^2-256*x+8779)/(x^5-1589*x^4+1432*x^3+170*x^2+1739*x-1753) \text{ lgdogf}]$

A076809 9.18888  $[ -(x^4-1588*x^3-156*x^2+14*x+1753)/(x-1)^5 \text{ ogf}]$

A076817 4.51669  $[ -(20*x^10+20*x^9+30*x^8-5*x^7+13*x^6-5*x^5+30*x^4+20*x^3+20*x^2+10)/(x-1)/(x^4-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1) \text{ ogf}]$

A076824 15.2507  $[ -(3*x^4+5*x^3+3*x^2+x+1)/(x-1)/(x^4+x^3+x^2+x+1) \text{ ogf}]$

A076824 9.63047  $[-(1+6*x+3*x^8+10*x^7+12*x^3+9*x^6+4*x^5+5*x^4+15*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(3*x^4+5*x^3+3*x^2+x+1) \text{ lgdogf}]$

A076839 11.5795  $[-(x^2+x+1)*(2*x^6+4*x^5+5*x^2+3*x+1)/(x-1)/(x^4+x^3+x^2+x+1)/(2*x^4+3*x^3+2*x^2+x+1) \text{ lgdogf}]$

A076839 15.2507  $[ -(2*x^4+3*x^3+2*x^2+x+1)/(x-1)/(x^4+x^3+x^2+x+1) \text{ ogf}]$

A076840 13.5794  $[ -(2*x^5+3*x^4+5*x^3+2*x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) \text{ ogf}]$

A076840 7.54014  $-(1+4*x$   
 $+2*x^10+6*x^9+15*x^8+8*x^7+12*x^3+5*x^6+6*x^5+10*x^4+15*x^2)/(x-1)/(x+1)/(x^2+x$   
 $+1)/(x^2-x+1)/(2*x^5+3*x^4+5*x^3+2*x^2+x+1)$  lgdogf  
A076841 10.8751  $[-(2*x^7+3*x^6+14*x^5+5*x^4+9*x^3+2*x^2+x+1)/(x-1)/(x+1)/$   
 $(x^2+1)/(x^4+1)$  ogf]  
A076844 11.1381  $[-(3*x^7+5*x^6+9*x^5+5*x^4+3*x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+1)/$   
 $(x^4+1)$  ogf]  
A076878 10.5133  $[-x*(2*x^2-3*x+2)/(2*x-1)/(x-1)^2$  ogf]  
A076878 13.4612  $-(-5+11*x+4*x^3-8*x^2)/(x-1)/(2*x-1)/(2*x^2-3*x+2)$  lgdogf  
A076878 5.17700  $[{a(n+4)-4*a(n+3)+5*a(n+2)-2*a(n+1), a(0) = 0, a(1) = 2, a(2) =$   
 $5, a(3) = 12}]$ , ogf]  
A076878 8.23330  $[-(4*x^3-8*x^2+11*x-5)/(4*x^4-12*x^3+15*x^2-9*x+2)$  lgdogf]  
A076898 8.20100  $[(x^12-x^8-x^7+x^6+x^5+x^4-x^2-x-1)/(x^12+x^6-1)$  ogf]  
A076899 5.45145  $[-(x^14+x^13+x^12-x^11-x^10+2*x^8+2*x^7+x^6-x^5-x^4-x^2-x-1)/$   
 $(x-1)/(x^2+x+1)/(x^12+x^6-1)$  ogf]  
A076921 11.7844  $[(x^4-2*x^3+x-1)/(x+1)/(x-1)^3$  ogf]  
A076921 19.4395  $(1+2*x+3*x^2)/(x-1)/(1+x)/(x^4-2*x^3+x-1)$  lgdogf  
A076921 9.24001  $[-(3*x^2+2*x+1)/(-x^6+2*x^5+x^4-3*x^3+x^2+x-1)$  lgdogf]  
A076936 7.55478  $-4*(1+x+32*x^6+4*x^2-16*x^3-28*x^4+64*x^5)/(-1+2*x)/(2*x^2-1)/$   
 $(8*x^2-1)/(4*x^2+6*x+1)$  lgdogf  
A076936 9.78943  $[-(2*x-1)*(4*x^2+6*x+1)/(2*x^2-1)/(8*x^2-1)$  ogf]  
A076937 3.98772  $[x*(x^2+x+2)/(x+1)^2/(x-1)^2$  ogf]  
A076937 5.30123  $-(-1+10*x+2*x^3+3*x^2)/(-1+x)/(x+1)/(x^2+x+2)$  lgdogf  
A076938 17.8774  $[x/(x+1)/(x-1)^2$  ogf]  
A076938 18.2837  $[-(3*x-1)/(-x^2+1)$  lgdogf]  
A076938 37.7037  $-(1+3*x)/(-1+x)/(x+1)$  lgdogf  
A076938 38.1765  $[[1+x]$  ogf\_with\_Euler\_transform]  
A076938 7.24758  $[{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 1}]$ ,  
ogf]  
A076939 3.42912  $[{-a(n+2)+2*a(n), a(0) = 1, a(1) = 1}]$ , ogf]  
A076939 5.35278  $[-(x+1)/(2*x^2-1)$  ogf]  
A076939 6.90332  $-(4*x+1+2*x^2)/(x+1)/(2*x^2-1)$  lgdogf  
A076994 5.50226  $(3-8*x$   
 $+2*x^6+32*x^5+32*x^11+20*x^3-32*x^4+62*x^8-52*x^7-54*x^10-4*x^9)/(x-1)/(2*x-1)/$   
 $(2*x^10-2*x^8+2*x^7-2*x^5+2*x^4-2*x^3-3*x+2)$  lgdogf  
A076994 7.69977  $[(2*x^10-2*x^8+2*x^7-2*x^5+2*x^4-2*x^3-3*x+2)/(2*x-1)/(x-1)$   
ogf]  
A077043 11.4696  $[-(2*x^3+5*x^2+8*x+3)/(x^4+x^3-x-1)$  lgdogf]  
A077043 12.7048  $[-x*(x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A077043 19.3799  $-(2*x+1)*(x^2+2*x+3)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A077043 32.8701  $[-x^2+x+3$  ogf\_with\_Euler\_transform]  
A077044 5.41383  $[-x*(x^6+8*x^5+29*x^4+39*x^3+29*x^2+8*x+1)/(x+1)^3/(x-1)^5$  ogf]  
A077044 6.64113  $-(-10+82*x+138*x^5+293*x^4+368*x^3+26*x^6+2*x^7+231*x^2)/(x-1)/$   
 $(1+x)/(x^6+8*x^5+29*x^4+39*x^3+29*x^2+8*x+1)$  lgdogf  
A077122 10.1122  $-2*(7-18*x-12*x^2+32*x^3)/(x-1)/(2*x+1)/(-1+2*x)/(4*x-1)$  lgdogf  
A077122 8.81113  $[-4*(2*x+1)*x/(2*x-1)/(x-1)^2/(4*x-1)^2$  ogf]  
A077122 8.92409  $[-(64*x^3+24*x^2+36*x-14)/(-16*x^4+20*x^3-5*x+1)$  lgdogf]  
A077134 4.12895  $[1/2*(x^2-2)/(x-1)$  egf]  
A077134 6.11642  $(2-2*x+x^2)/(-1+x)/(x^2-2)$  lgdegf  
A077140 11.8584  $-(-3+6*x+3*x^4-10*x^3)/(-1+x)/(1+x^2)/(x^2-2*x-1)$  lgdogf  
A077140 6.34927  $[(x^2-2*x-1)/(x-1)/(x^2+1)^2$  ogf]  
A077169 10.7754  $[-(x^6-x^5+x^2-x+1)/(x-1)^3$  ogf]  
A077169 16.2750  $(-2-8*x^5+5*x^4+3*x^6-x^2)/(x-1)/(x^6-x^5+x^2-x+1)$  lgdogf  
A077209 4.86001  $[-(100*x^6+110*x^5+30*x^4-80*x^3-101*x^2-21*x-2)/(x-1)/(x^2+x$   
 $+1)/(10*x^3-1)$  ogf]  
A077221 10.5619  $[-(2*x^3-20*x^2-18*x-8)/(-x^4-6*x^3+6*x+1)$  lgdogf]  
A077221 12.0243  $[-x*(x^2+6*x+1)/(x+1)/(x-1)^3$  ogf]  
A077221 17.1118  $-2*(4+9*x+x^3+10*x^2)/(x-1)/(1+x)/(x^2+6*x+1)$  lgdogf  
A077234 12.0652  $[-(x^2-4*x+9)/(-x^3+2*x^2+7*x-2)$  lgdogf]  
A077234 17.1593  $[(x+2)/(x^2-4*x+1)$  ogf]  
A077234 18.2511  $-(-1-2*x+(1+5*x+3*x^2)^(1/2))/(x-1)$  revogf

A077234 20.6061  $-( -9+4*x+x^2)/(x+2)/(x^2-4*x+1)$  lgdogf  
A077234 9.41671  $[ \{-a(n+2)+4*a(n+1)-a(n), a(0) = 2, a(1) = 9\}, ogf]$   
A077235 10.7927  $[ -( -4*x^2+10*x-16)/( -4*x^3+21*x^2-24*x+5)$  lgdogf]  
A077235 13.1001  $-1/2*( -5-4*x+(25+24*x+12*x^2)^(1/2))/(4+x)$  revogf  
A077235 15.2835  $-2*(8-5*x+2*x^2)/(4*x-5)/(x^2-4*x+1)$  lgdogf  
A077235 16.3090  $[ -(4*x-5)/(x^2-4*x+1)$  ogf]  
A077235 8.84223  $[ \{a(n+2)-4*a(n+1)+a(n), a(0) = 5, a(1) = 16\}, ogf]$   
A077236 13.5174  $[ -(5*x-4)/(x^2-4*x+1)$  ogf]  
A077236 17.0212  $-( -2-2*x+(4+3*x+3*x^2)^(1/2))/(5+x)$  revogf  
A077236 17.0212  $-(11-8*x+5*x^2)/(5*x-4)/(x^2-4*x+1)$  lgdogf  
A077236 7.32873  $[ \{a(n+2)-4*a(n+1)+a(n), a(0) = 4, a(1) = 11\}, ogf]$   
A077236 9.07888  $[ -( -5*x^2+8*x-11)/( -5*x^3+24*x^2-21*x+4)$  lgdogf]  
A077237 7.84100  $-( -2-12*x+10*x^4+4*x^3+x^6+4*x^5-11*x^2)/(x+1)/(x^2+x+1)/$   
 $(x^4-4*x^2+1)$  lgdogf  
A077237 8.65137  $[ (x^2+x+1)*(x+1)/(x^4-4*x^2+1)$  ogf]  
A077238 10.8689  $-(5+22*x+4*x^6+10*x^5+x^4-16*x^3+8*x^2)/(x-1)/(4*x^2+9*x+4)/$   
 $(x^4-4*x^2+1)$  lgdogf  
A077238 12.4236  $[ -(x-1)*(4*x^2+9*x+4)/(x^4-4*x^2+1)$  ogf]  
A077239 10.4550  $[ -( -5*x^2+14*x-37)/( -5*x^3+37*x^2-47*x+7)$  lgdogf]  
A077239 13.5521  $-1/2*( -7-6*x+(49+64*x+32*x^2)^(1/2))/(5+x)$  revogf  
A077239 15.7986  $[ -(5*x-7)/(x^2-6*x+1)$  ogf]  
A077239 15.8108  $-(37-14*x+5*x^2)/(5*x-7)/(x^2-6*x+1)$  lgdogf  
A077239 8.56553  $[ \{a(n+2)-6*a(n+1)+a(n), a(0) = 7, a(1) = 37\}, ogf]$   
A077240 10.2732  $[ -( -7*x^2+10*x-23)/( -7*x^3+47*x^2-37*x+5)$  lgdogf]  
A077240 13.3381  $-1/2*( -5-6*x+(25+32*x+32*x^2)^(1/2))/(7+x)$  revogf  
A077240 15.5239  $[ -(7*x-5)/(x^2-6*x+1)$  ogf]  
A077240 15.5612  $-(23-10*x+7*x^2)/(7*x-5)/(1-6*x+x^2)$  lgdogf  
A077240 8.41657  $[ \{a(n+2)-6*a(n+1)+a(n), a(0) = 5, a(1) = 23\}, ogf]$   
A077241 11.3548  $[ (x^2+x+1)*(x+1)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A077242 11.9827  $[ -(x-1)*(5*x^2+12*x+5)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A077242 6.55365  $-(7+46*x+5*x^6+14*x^5+9*x^4-20*x^3+27*x^2)/(x-1)/(5*x^2+12*x+5)/$   
 $(x^2+2*x-1)/(x^2-2*x-1)$  lgdogf  
A077243 12.4975  $[ (x+2)/(x^2-8*x+1)$  ogf]  
A077243 15.2947  $-( -1-4*x+(1+9*x+15*x^2)^(1/2))/(x-1)$  revogf  
A077243 17.2066  $-( -17+4*x+x^2)/(x+2)/(x^2-8*x+1)$  lgdogf  
A077243 6.77576  $[ \{-a(n+2)+8*a(n+1)-a(n), a(0) = 2, a(1) = 17\}, ogf]$   
A077243 8.52103  $[ -(x^2+4*x-17)/(x^3-6*x^2-15*x+2)$  lgdogf]  
A077244 10.5422  $[ -( -2*x^2+6*x-22)/( -2*x^3+19*x^2-26*x+3)$  lgdogf]  
A077244 13.5732  $-1/2*( -8*x-3+(60*x^2+40*x+9)^(1/2))/(x+2)$  revogf  
A077244 15.6962  $[ -(2*x-3)/(x^2-8*x+1)$  ogf]  
A077244 15.9000  $-2*(11-3*x+x^2)/(2*x-3)/(x^2-8*x+1)$  lgdogf  
A077244 8.50999  $[ \{a(n+2)-8*a(n+1)+a(n), a(0) = 3, a(1) = 22\}, ogf]$   
A077245 12.2358  $[ (2*x+1)/(x^2-8*x+1)$  ogf]  
A077245 12.8293  $-1/2*( -1-8*x+(1+24*x+60*x^2)^(1/2))/( -2+x)$  revogf  
A077245 16.3283  $-2*( -5+x+x^2)/(1+2*x)/(x^2-8*x+1)$  lgdogf  
A077245 6.63386  $[ \{-a(n+2)+8*a(n+1)-a(n), a(0) = 1, a(1) = 10\}, ogf]$   
A077245 8.34258  $[ -(2*x^2+2*x-10)/(2*x^3-15*x^2-6*x+1)$  lgdogf]  
A077246 12.3666  $[ -(3*x-2)/(x^2-8*x+1)$  ogf]  
A077246 15.1312  $-( -1-4*x+(1+5*x+15*x^2)^(1/2))/(x+3)$  revogf  
A077246 15.5635  $-(13-4*x+3*x^2)/(3*x-2)/(x^2-8*x+1)$  lgdogf  
A077246 6.70481  $[ \{a(n+2)-8*a(n+1)+a(n), a(0) = 2, a(1) = 13\}, ogf]$   
A077246 8.30596  $[ -( -3*x^2+4*x-13)/( -3*x^3+26*x^2-19*x+2)$  lgdogf]  
A077247 10.2425  $[ (x^2+x+1)*(x+1)/(x^4-8*x^2+1)$  ogf]  
A077247 9.32252  $-( -2-20*x+4*x^5+14*x^4+4*x^3+x^6-19*x^2)/(1+x)/(x^2+x+1)/$   
 $(x^4-8*x^2+1)$  lgdogf  
A077248 7.61222  $-(3+26*x+2*x^6+6*x^5+7*x^4-8*x^3+18*x^2)/(x-1)/(1+2*x)/(x+2)/$   
 $(x^4-8*x^2+1)$  lgdogf  
A077248 8.86431  $[ -(x-1)*(2*x+1)*(x+2)/(x^4-8*x^2+1)$  ogf]  
A077249 10.5758  $[ -(x^2+4*x-21)/(x^3-8*x^2-19*x+2)$  lgdogf]  
A077249 15.1740  $[ (x+2)/(x^2-10*x+1)$  ogf]  
A077249 17.5903  $-( -1-5*x+((1+3*x)*(8*x+1))^(1/2))/(x-1)$  revogf

A077249 22.1297  $-(x+7)*(x-3)/(x+2)/(x^2-10*x+1)$  lgdogf  
A077249 8.30958  $[{-a(n+2)+10*a(n+1)-a(n), a(0) = 2, a(1) = 21}]$ , ogf]  
A077250 15.1061  $[ -(7*x-11)/(x^2-10*x+1)$  ogf]  
A077250 15.1740  $-1/2*(-11-10*x+(121+192*x+96*x^2)^(1/2))/(7+x)$  revogf  
A077250 17.8976  $-(103-22*x+7*x^2)/(7*x-11)/(x^2-10*x+1)$  lgdogf  
A077250 8.25567  $[{a(n+2)-10*a(n+1)+a(n), a(0) = 11, a(1) = 103}]$ , ogf]  
A077250 9.99983  $[{-(-7*x^2+22*x-103)/(-7*x^3+81*x^2-117*x+11)}$  lgdogf]  
A077251 10.5758  $[-(2*x^2+2*x-12)/(2*x^3-19*x^2-8*x+1)$  lgdogf]  
A077251 14.9135  $-1/2*(-1-10*x+(1+4*x)*(24*x+1)^(1/2))/(-2+x)$  revogf  
A077251 15.1740  $[ (2*x+1)/(x^2-10*x+1)$  ogf]  
A077251 19.6006  $-2*(x+3)*(x-2)/(2*x+1)/(x^2-10*x+1)$  lgdogf  
A077251 8.30958  $[{-a(n+2)+10*a(n+1)-a(n), a(0) = 1, a(1) = 12}]$ , ogf]  
A077259 7.96052  $[-(3*x^5+3*x^4-22*x^3-54*x^2+35*x+3)/(x^6-19*x^4+19*x^2-1)$  lgdogf]  
A077259 9.30325  $[ -2*x*(x+1)^2/(x-1)/(x^2+4*x-1)/(x^2-4*x-1)$  ogf]  
A077260 7.80619  $[ -3*x*(x^2+6*x+1)/(x-1)/(x^2+18*x+1)/(x^2-18*x+1)$  ogf]  
A077261 8.13067  $[ -15*x*(x^2+6*x+1)/(x-1)/(x^2+18*x+1)/(x^2-18*x+1)$  ogf]  
A077262 8.06489  $[ x*(x^3+5*x^2-9*x-5)/(x-1)/(x^2+4*x-1)/(x^2-4*x-1)$  ogf]  
A077263 6.00597  $[ -(19*x^5-35*x^4+54*x^3-142*x^2+199*x-63)/(x^3+x^2+3*x-1)/(x-1)^3$  ogf]  
A077265 7.48211  $[ -(-12*x^4+52*x^3-89*x^2+60*x-14)/(-12*x^5+56*x^4-105*x^3+96*x^2-42*x+7)$  lgdogf]  
A077265 9.88378  $[ -2*(6*x^3-19*x^2+21*x-7)/(2*x-1)/(x-1)^3$  ogf]  
A077285 11.0390  $[ -(-2*x^5-x^4-2*x^3-2*x^2-2*x-1)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A077288 11.8478  $-(3+19*x+3*x^5+3*x^4-14*x^3-30*x^2)/(-1+x)/(x+1)/(x^4-10*x^2+1)$  lgdogf  
A077288 7.79803  $[ -(3*x^5+3*x^4-14*x^3-30*x^2+19*x+3)/(x^6-11*x^4+11*x^2-1)$  lgdogf]  
A077288 9.11336  $[ -x*(x+1)^2/(x-1)/(x^4-10*x^2+1)$  ogf]  
A077289 8.90071  $[ -x*(x^2+5*x+1)/(x-1)/(x^2-10*x+1)/(x^2+10*x+1)$  ogf]  
A077290 8.48117  $[ -6*x*(x^2+5*x+1)/(x-1)/(x^2-10*x+1)/(x^2+10*x+1)$  ogf]  
A077291 8.31219  $[ x*(x^3+3*x^2-5*x-3)/(x-1)/(x^4-10*x^2+1)$  ogf]  
A077340 8.31165  $2*(10+x-10695*x^11+5885*x^10+4900*x^12)/(x-1)/(980*x^12-1070*x^11+8*x^2-18*x-1)$  lgdogf  
A077340 8.71917  $[ -(980*x^12-1070*x^11+8*x^2-18*x-1)/(x-1)^2$  ogf]  
A077373 1.81305  $[ (-1/x^4-1)/(x-1)*x^4$  ogf\_with\_Euler\_transform]  
A077379 12.5005  $[ x^2*(20*x^2-332*x+123)/(10*x-1)/(x-1)$  ogf]  
A077379 6.29656  $[{-a(n+5)+11*a(n+4)-10*a(n+3), a(0) = 0, a(1) = 0, a(2) = 123, a(3) = 1021, a(4) = 10021}]$ , ogf]  
A077379 6.31878  $(1021-2420*x+3100*x^2)/(-1+x)/(10*x-1)/(20*x^2-332*x+123)$  lgdogf  
A077379 9.04294  $[ -(3100*x^2-2420*x+1021)/(-200*x^4+3540*x^3-4902*x^2+1685*x-123)$  lgdogf]  
A077397 11.0979  $[ -(2*x^3+2*x^2-31*x-1)/(x^4-16*x^2+1)$  ogf]  
A077398 7.90438  $-(5+68*x-50*x^2-104*x^3-31*x^4+8*x^5+6*x^6)/(x-1)/(2*x^2+3*x+2)/(x^4-16*x^2+1)$  lgdogf  
A077398 8.94996  $[ -x*(2*x^2+3*x+2)/(x-1)/(x^4-16*x^2+1)$  ogf]  
A077399 8.46467  $[ -3*x*(x^2+4*x+1)/(x-1)/(x^2-16*x+1)/(x^2+16*x+1)$  ogf]  
A077400 7.86299  $[ -21*x*(x^2+4*x+1)/(x-1)/(x^2-16*x+1)/(x^2+16*x+1)$  ogf]  
A077401 6.20497  $-(14-180*x+17*x^6+2*x^7+157*x^2+278*x^3-118*x^4-44*x^5)/(x-1)/(x^3+6*x^2-8*x-6)/(x^4-16*x^2+1)$  lgdogf  
A077401 7.88802  $[ x*(x^3+6*x^2-8*x-6)/(x-1)/(x^4-16*x^2+1)$  ogf]  
A077409 14.8512  $[ -(11*x-7)/(x^2-10*x+1)$  ogf]  
A077409 15.5914  $-1/2*(-7-10*x+(49+96*x+96*x^2)^(1/2))/(11+x)$  revogf  
A077409 17.5903  $-(59-14*x+11*x^2)/(11*x-7)/(x^2-10*x+1)$  lgdogf  
A077409 8.30958  $[{a(n+2)-10*a(n+1)+a(n), a(0) = 7, a(1) = 59}]$ , ogf]  
A077409 9.83106  $[{-(-11*x^2+14*x-59)/(-11*x^3+117*x^2-81*x+7)}$  lgdogf]  
A077410 7.33086  $-(2-24*x+x^6+4*x^5+16*x^4+4*x^3-23*x^2)/(x+1)/(x^2+x+1)/(x^4-10*x^2+1)$  lgdogf  
A077410 8.07626  $[ (x^2+2*x+1)*(x+1)/(x^4-10*x^2+1)$  ogf]  
A077411 7.82863  $-(11+118*x+7*x^6+22*x^5+37*x^4-28*x^3+89*x^2)/(x-1)/(7*x^2+18*x$

+7)/(x^4-10\*x^2+1) lgdogf  
A077411 9.51463 [ -(x-1)\*(7\*x^2+18\*x+7)/(x^4-10\*x^2+1) ogf]  
A077412 10.9929 [ -(2\*x-16)/(x^2-16\*x+1) lgdogf]  
A077412 11.7024 -1/2\*(-1-16\*x+(14\*x+1)^(1/2)\*(18\*x+1)^(1/2))/x revogf  
A077412 16.1660 [ 1/(x^2-16\*x+1) ogf]  
A077412 24.4686 -2\*(-8+x)/(x^2+1-16\*x) lgdogf  
A077412 6.54337 [ {-a(n+2)+16\*a(n+1)-a(n), a(0) = 1, a(1) = 16}, ogf]  
A077413 11.4018 [ -(x^2+4\*x-13)/(x^3-4\*x^2-11\*x+2) lgdogf]  
A077413 15.5778 [ -(-1-3\*x+(1+7\*x+8\*x^2)^(1/2))/(x-1) revogf]  
A077413 16.7226 [ (x+2)/(x^2-6\*x+1) ogf]  
A077413 17.0382 [ -(-13+4\*x+x^2)/(x+2)/(x^2+1-6\*x) lgdogf]  
A077413 9.06648 [ {-a(n+2)+6\*a(n+1)-a(n), a(0) = 2, a(1) = 13}, ogf]  
A077414 11.5978 [ -x\*(x-4)/(x-1)^4 ogf]  
A077414 15.3848 [ -(-3\*x+15)/(-x^2+5\*x-4) lgdogf]  
A077414 35.3673 -3\*(-5+x)/(x-1)/(x-4) lgdogf  
A077414 4.99242 [ {(-8-4\*n)\*a(n+3)+(20+5\*n)\*a(n+2)+(-3-n)\*a(n+1), a(0) = 0, a(1) = 4, a(2) = 15}, ogf]  
A077415 10.4450 [ x\*(x^2-4\*x+5)/(x-1)^4 ogf]  
A077415 11.5528 [ -(-2\*x^2+10\*x-16)/(-x^3+5\*x^2-9\*x+5) lgdogf]  
A077415 23.4772 -2\*(8-5\*x+x^2)/(x-1)/(x^2-4\*x+5) lgdogf  
A077415 3.81242 [ {(15+5\*n)\*a(n+4)+(-34-9\*n)\*a(n+3)+(15+5\*n)\*a(n+2)+(-2-n)\*a(n+1), a(0) = 0, a(1) = 5, a(2) = 16, a(3) = 35}, ogf]  
A077416 10.9017 [ (x+1)/(x^2-12\*x+1) ogf]  
A077416 11.3987 -1/2\*(-1-12\*x+(1+28\*x+140\*x^2)^(1/2))/(x-1) revogf  
A077416 14.8529 [ -(13+2\*x+x^2)/(x+1)/(x^2-12\*x+1) lgdogf]  
A077416 5.96998 [ {-a(n+2)+12\*a(n+1)-a(n), a(0) = 1, a(1) = 13}, ogf]  
A077416 7.48475 [ -(x^2+2\*x-13)/(x^3-11\*x^2-11\*x+1) lgdogf]  
A077417 13.8901 [ -(x-1)/(x^2-12\*x+1) ogf]  
A077417 14.5852 -1/2\*(-1-12\*x+(1+20\*x+140\*x^2)^(1/2))/(1+x) revogf  
A077417 19.5989 [ -(11-2\*x+x^2)/(x-1)/(x^2-12\*x+1) lgdogf]  
A077417 7.60646 [ {a(n+2)-12\*a(n+1)+a(n), a(0) = 1, a(1) = 11}, ogf]  
A077417 9.53646 [ -(-x^2+2\*x-11)/(-x^3+13\*x^2-13\*x+1) lgdogf]  
A077420 11.0088 [ -(x-1)/(x^2-34\*x+1) ogf]  
A077420 11.2630 -1/2\*(-1-34\*x+(1+64\*x+1152\*x^2)^(1/2))/(1+x) revogf  
A077420 15.4867 [ -(33-2\*x+x^2)/(x-1)/(x^2-34\*x+1) lgdogf]  
A077420 6.02863 [ {a(n+2)-34\*a(n+1)+a(n), a(0) = 1, a(1) = 33}, ogf]  
A077420 7.55828 [ -(-x^2+2\*x-33)/(-x^3+35\*x^2-35\*x+1) lgdogf]  
A077421 10.5358 [ -(2\*x-22)/(x^2-22\*x+1) lgdogf]  
A077421 11.2109 -1/2\*(-22\*x-1+(24\*x+1)^(1/2)\*(20\*x+1)^(1/2))/x revogf  
A077421 15.4939 [ 1/(x^2-22\*x+1) ogf]  
A077421 22.4218 -2\*(-11+x)/(x^2+1-22\*x) lgdogf  
A077421 6.27133 [ {-a(n+2)+22\*a(n+1)-a(n), a(0) = 1, a(1) = 22}, ogf]  
A077422 13.2063 [ -(11-2\*x+11\*x^2)/(11\*x-1)/(x^2-22\*x+1) lgdogf]  
A077422 14.2674 [ -(11\*x-1)/(x^2-22\*x+1) ogf]  
A077422 7.98293 [ {a(n+2)-22\*a(n+1)+a(n), a(0) = 1, a(1) = 11}, ogf]  
A077422 9.57951 [ -(-11\*x^2+2\*x-11)/(-11\*x^3+243\*x^2-33\*x+1) lgdogf]  
A077423 10.7022 [ -(2\*x-24)/(x^2-24\*x+1) lgdogf]  
A077423 11.3917 -1/2\*(-24\*x-1+(22\*x+1)^(1/2)\*(26\*x+1)^(1/2))/x revogf  
A077423 15.7385 [ 1/(x^2-24\*x+1) ogf]  
A077423 22.7835 -2\*(-12+x)/(x^2+1-24\*x) lgdogf  
A077423 6.37036 [ {-a(n+2)+24\*a(n+1)-a(n), a(0) = 1, a(1) = 24}, ogf]  
A077424 11.1494 [ -(-1+12\*x)/(x^2-24\*x+1) ogf]  
A077424 14.2480 -2\*(6-x+6\*x^2)/(12\*x-1)/(x^2-24\*x+1) lgdogf  
A077424 6.23833 [ {a(n+2)-24\*a(n+1)+a(n), a(0) = 1, a(1) = 12}, ogf]  
A077424 7.48600 [ -(-12\*x^2+2\*x-12)/(-12\*x^3+289\*x^2-36\*x+1) lgdogf]  
A077433 13.2701 [ -(-19\*x^20+20\*x^19+1)/(x^21-x^20+x-1) lgdogf]  
A077433 17.3692 [ (-1-20\*x^19+19\*x^20)/(x-1)/(x^4+1)/(x^16-x^12+x^8-x^4+1) lgdogf]  
A077433 21.3475 [ -x^2\*(x^4+1)\*(x^16-x^12+x^8-x^4+1)/(x-1) ogf]  
A077442 10.7236 [ (x+1)^3/(x^2+2\*x-1)/(x^2-2\*x-1) ogf]  
A077442 12.2065 [ -(3-12\*x+6\*x^2+4\*x^3+x^4)/(x+1)/(x^2+2\*x-1)/(x^2-2\*x-1) lgdogf]  
A077442 7.18589 [ -(-x^4-4\*x^3-6\*x^2+12\*x+3)/(-x^5-x^4+6\*x^3+6\*x^2-x-1) lgdogf]

A077443 10.1504 [  $-(x-1)*(3*x^2+8*x+3)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A077443 7.51682  $-(5+26*x+21*x^2-12*x^3+3*x^4+10*x^5+3*x^6)/(x-1)/(3*x^2+8*x+3)/(x^2+2*x-1)/(x^2-2*x-1)$  lgdogf  
A077444 12.3824 [  $2*(x+1)/(x^2-6*x+1)$  ogf]  
A077444 15.1451  $-(-1-3*x+(1+8*x+8*x^2)^(1/2))/(-2+x)$  revogf  
A077444 17.5878  $-(-7+2*x+x^2)/(1+x)/(x^2+1-6*x)$  lgdogf  
A077444 6.71333 [  $\{-a(n+2)+6*a(n+1)-a(n), a(0) = 2, a(1) = 14\}$ , ogf]  
A077444 8.70634 [  $-(x^2+2*x-7)/(x^3-5*x^2-5*x+1)$  lgdogf]  
A077445 12.6486 [  $-4*(x-1)/(x^2-6*x+1)$  ogf]  
A077445 15.0596  $-(-2-3*x+2*(1+2*x+2*x^2)^(1/2))/(4+x)$  revogf  
A077445 18.5735  $-(5-2*x+x^2)/(x-1)/(x^2-6*x+1)$  lgdogf  
A077445 6.85770 [  $\{a(n+2)-6*a(n+1)+a(n), a(0) = 4, a(1) = 20\}$ , ogf]  
A077445 8.89358 [  $-(-x^2+2*x-5)/(-x^3+7*x^2-7*x+1)$  lgdogf]  
A077446 10.2017 [  $(x+1)*(x^2+4*x+1)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A077446 7.82866  $-(-5-22*x+21*x^4+4*x^3+10*x^5+x^6-33*x^2)/(x+1)/(x^2+4*x+1)/(x^2+2*x-1)/(x^2-2*x-1)$  lgdogf  
A077447 10.4067 [  $-4*(x-1)*(x^2+3*x+1)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A077447 9.08367  $-(2+8*x+4*x^5-4*x^3+x^6+9*x^2)/(x-1)/(x^2+3*x+1)/(-1+2*x+x^2)/(x^2-2*x-1)$  lgdogf  
A077450 13.5794 [  $(2*x^5-x^4-x^3-2*x^2-2*x-3)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A077450 9.82503  $(2+4*x+4*x^3+6*x^6+8*x^5+x^8+2*x^7+5*x^4+3*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(2*x^5-x^4-x^3-2*x^2-2*x-3)$  lgdogf  
A077461 3.51691 [  $2*(x+1)/(x^2-6*x+1)$  ogf]  
A077466 4.11873 [  $-$   
 $(384*x^12-128*x^11-64*x^10+64*x^9-32*x^8+32*x^7-16*x^6-8*x^5+8*x^4-4*x^3+4*x^2-2*x-1)/(3*x-1)/(128*x^12-1)$  ogf]  
A077467 6.84739 [  $- (x^29-x^28+x^12-x^11-x^10-x^8-x^6-x^5-x^3-x-1)/(x+1)/(x^4-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2$  ogf]  
A077491 4.29934 [  $(45*x^16-45*x^15+45*x^14-45*x^13+45*x^12-45*x^11+45*x^10-45*x^9+5*x^8-4*x^7+5*x^6-4*x^5+5*x^4-4*x^3+5*x^2-4*x+5)/(x-1)/(10*x^9-1)$  ogf]  
A077492 5.10046 [  $(72*x^13-18*x^12-18*x^11-18*x^10-18*x^9+2*x^8+2*x^7+2*x^6+2*x^5-7*x^4+2*x^3+2*x^2+2*x+2)/(x-1)/(10*x^9-1)$  ogf]  
A077538 12.3855  $-2*(7+41*x+57*x^2+15*x^3)/(x-1)/(10*x^3+21*x^2+8*x+1)$  lgdogf  
A077538 3.41855 [  $\{(-211*n^2-1429*n-2340)*a(n+1)+(152*n^2-219*n-1088)*a(n+2)+(59*n^2+298*n+363)*a(n+3), a(0) = 1, a(1) = 14, a(2) = 90\}$ , ogf]  
A077538 6.83710 [  $(10*x^3+21*x^2+8*x+1)/(x-1)^6$  ogf]  
A077538 7.61405 [  $-(-30*x^3-114*x^2-82*x-14)/(-10*x^4-11*x^3+13*x^2+7*x+1)$  lgdogf]  
A077543 4.02138 [  $\{-a(n+5)+11*a(n+4)-10*a(n+3), a(0) = 4, a(1) = 22, a(2) = 111, a(3) = 1001, a(4) = 10001\}$ , ogf]  
A077543 6.46892  $(22-262*x+1221*x^2+400*x^3-3300*x^4+2000*x^5)/(x-1)/(10*x-1)/(100*x^4-91*x^2-22*x+4)$  lgdogf  
A077543 8.28285 [  $(100*x^4-91*x^2-22*x+4)/(10*x-1)/(x-1)$  ogf]  
A077552 12.2642 [  $-(4*x^2-4*x-3)/(-4*x^3-x+1)$  lgdogf]  
A077552 15.2622 [  $-(2*x^2+x+1)/(2*x-1)$  ogf]  
A077552 19.2303  $(2*x+1)*(2*x-3)/(2*x-1)/(2*x^2+x+1)$  lgdogf  
A077552 8.17617 [  $\{-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 3, a(2) = 8\}$ , ogf]  
A077568 16.1919  $-(10*x-1)/(2*x-1)/(2*x+1)$  lgdegf  
A077568 3.05200 [  $\{(-4*n^2-22*n-28)*a(n+1)+a(n+3)+a(n+2), a(0) = 1, a(1) = -1, a(2) = 11\}$ , ogf]  
A077568 8.74907 [  $-(10*x-1)/(4*x^2-1)$  lgdegf]  
A077588 11.5061 [  $-(8*x^2+8*x+2)/(x^4+4*x^3-6*x^2+2*x-1)$  lgdogf]  
A077588 12.0063 [  $-(x^3+5*x^2-x+1)/(x-1)^3$  ogf]  
A077588 23.9104  $-2*(2*x+1)^2/(x-1)/(x^3+5*x^2-x+1)$  lgdogf  
A077588 6.22885 [  $\{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 20\}$ , ogf]  
A077591 10.1948 [  $-(18*x^2+28*x+2)/(x^4+14*x^3-16*x^2+2*x-1)$  lgdogf]  
A077591 11.0687 [  $-(x^3+15*x^2-x+1)/(x-1)^3$  ogf]  
A077591 18.9941  $-2*(1+14*x+9*x^2)/(x-1)/(x^3+15*x^2-x+1)$  lgdogf



A077591 5.78214 [ $\{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 18, a(3) = 50\}$ , ogf]  
A077611 12.1108 [ $-2x^2/(x+1)^2/(x-1)^3$  egf]  
A077611 16.7900 [ $-(-5x-1)/(-x^2+1)$  lgdegf]  
A077611 36.6288 [ $-(5x+1)/(x-1)/(x+1)$  lgdegf]  
A077611 4.45036 [ $\{(n^3+9n^2+26n+24)a(n+1)+(n+3)a(n+2)+(-1-n)a(n+3), a(0) = 0, a(1) = 0, a(2) = 4\}$ , ogf]  
A077612 11.3762 [ $-(-5x-1)/(-x^2+1)$  lgdegf]  
A077612 24.8805 [ $-(1+5x)/(x-1)/(x+1)$  lgdegf]  
A077612 8.20582 [ $-2x^3/(x+1)^2/(x-1)^3$  egf]  
A077613 11.7108 [ $-(-4x-2)/(-x^2+1)$  lgdegf]  
A077613 12.5677 [ $-x/(x+1)/(x-1)^3$  egf]  
A077613 23.0202 [ $-2(1+2x)/(x-1)/(x+1)$  lgdegf]  
A077613 3.08549 [ $\{(n^3+9n^2+26n+24)a(n+1)+(6+2n)a(n+2)+(-2-n)a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A077616 11.4018 [ $-(x+1)/(3x-1)^3$  ogf]  
A077616 12.7979 [ $-(6x+10)/(3x^2+2x-1)$  lgdogf]  
A077616 24.5822 [ $-2(3x+5)/(x+1)/(-1+3x)$  lgdogf]  
A077616 5.40602 [ $\{a(n+3)-9a(n+2)+27a(n+1)-27a(n), a(0) = 1, a(1) = 10, a(2) = 63\}$ , ogf]  
A077745 13.0312 [ $-2(6x+1+(1-6x)^{1/2})/(2x+1)/(6x-1)$  lgdegf]  
A077745 18.6160 [ $-1/2-3/2\exp(-2x)+2\exp(-x)$  revegf]  
A077745 7.39357 [ $-2(6x+1+(1-6x)^{1/2})/(2x+1)/(-1+6x)$  lgdegf]  
A077750 10.8205 [ $-(4x^3+x^2-2x+3)/(2x^4-x^3+x^2-x-1)$  lgdogf]  
A077750 15.1866 [ $-2(2x+1)x/(x^2+1)/(x-1)$  ogf]  
A077750 24.3169 [ $-(3-2x+4x^3+x^2)/(x-1)/(2x+1)/(x^2+1)$  lgdogf]  
A077750 7.79853 [ $\{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 6\}$ , ogf]  
A077802 12.5378 [ $-2(1-3x^2+x^3)/(x-1)/(-1+2x)/(2x^3-4x^2+2x-1)$  lgdogf]  
A077802 4.91000 [ $\{a(n+4)-4a(n+3)+5a(n+2)-2a(n+1), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 18\}$ , ogf]  
A077802 7.50609 [ $-(-2x^3+6x^2-2)/(-4x^5+14x^4-18x^3+12x^2-5x+1)$  lgdogf]  
A077802 9.46420 [ $(2x^3-4x^2+2x-1)/(2x-1)/(x-1)^2$  ogf]  
A077814 18.4814 [ $-(1-3x+4x^4-7x^3+9x^2)/(x-1)/(x^2+1)/(x^2-x+1)$  lgdogf]  
A077814 20.4250 [ $-x^5+2x^3+x^2-x+1$  ogf\_with\_Euler\_transform]  
A077814 9.02861 [ $x^2(x^2-x+1)/(x^2+1)^2/(x-1)^2$  ogf]  
A077821 13.4978 [ $a(n+4)-4a(n+3)+3a(n), a(0)=4, a(1)=16, a(2)=64, a(3)=244$  lgdogf]  
A077821 14.5078 [ $-(12x^3-4)/(3x^4-4x+1)$  lgdogf]  
A077821 23.3004 [ $1/(x-1)/(3x^3+3x^2+3x-1)$  ogf]  
A077822 11.2596 [ $-(8x^3+3x^2-4)/(2x^4+x^3-4x+1)$  lgdogf]  
A077822 17.5028 [ $-(-4+8x^3+3x^2)/(x-1)/(2x^3+3x^2+3x-1)$  lgdogf]  
A077822 18.6745 [ $1/(x-1)/(2x^3+3x^2+3x-1)$  ogf]  
A077822 6.07662 [ $\{-a(n+4)+4a(n+3)-a(n+1)-2a(n), a(0) = 1, a(1) = 4, a(2) = 16, a(3) = 63\}$ , ogf]  
A077823 15.3402 [ $-(-4+2x+12x^3-3x^2)/(x-1)/(3x^3+2x^2+3x-1)$  lgdogf]  
A077823 16.6525 [ $1/(x-1)/(3x^3+2x^2+3x-1)$  ogf]  
A077823 9.25140 [ $-(12x^3-3x^2+2x-4)/(3x^4-x^3+x^2-4x+1)$  lgdogf]  
A077824 11.6070 [ $-(8x^3+2x-4)/(2x^4+x^2-4x+1)$  lgdogf]  
A077824 17.8004 [ $-2(-2+x+4x^3)/(x-1)/(2x^3+2x^2+3x-1)$  lgdogf]  
A077824 20.0769 [ $1/(x-1)/(2x^3+2x^2+3x-1)$  ogf]  
A077825 11.4594 [ $-(12x^3-2x-3)/(3x^4-x^2-3x+1)$  lgdogf]  
A077825 17.4209 [ $-(-3-2x+12x^3)/(x-1)/(3x^3+3x^2+2x-1)$  lgdogf]  
A077825 20.1314 [ $1/(x-1)/(3x^3+3x^2+2x-1)$  ogf]  
A077826 16.1647 [ $-(-3-2x+8x^3+3x^2)/(x-1)/(2x^3+3x^2+2x-1)$  lgdogf]  
A077826 17.1793 [ $1/(x-1)/(2x^3+3x^2+2x-1)$  ogf]  
A077826 9.66338 [ $-(-8x^3-3x^2+2x+3)/(-2x^4-x^3+x^2+3x-1)$  lgdogf]  
A077827 14.5293 [ $a(n+4)-3a(n+3)+2a(n), a(0)=3, a(1)=9, a(2)=27, a(3)=73$  lgdogf]  
A077827 15.3471 [ $-(-8x^3+3)/(-2x^4+3x-1)$  lgdogf]  
A077827 24.1833 [ $1/(x-1)/(2x^3+2x^2+2x-1)$  ogf]  
A077828 11.9633 [ $-(-9x^2-6x-3)/(-3x^3-3x^2-3x+1)$  lgdogf]  
A077828 20.6934 [ $-1/(3x^3+3x^2+3x-1)$  ogf]  
A077828 20.9061 [ $-3(1+2x+3x^2)/(3x^2-1+3x+3x^3)$  lgdogf]

A077828 6.77570 [ $\{a(n+3)-3a(n+2)-3a(n+1)-3a(n), a(0) = 1, a(1) = 3, a(2) = 12\}, \text{ogf}]$   
A077829 11.8106 [ $-(-6x^2-6x-3)/(-2x^3-3x^2-3x+1) \text{lgdogf}]$   
A077829 20.4292 [ $-1/(2x^3+3x^2+3x-1) \text{ogf}]$   
A077829 20.6346 [ $-3(1+2x+2x^2)/(3x^2-1+3x+2x^3) \text{lgdogf}]$   
A077829 6.68919 [ $\{a(n+3)-3a(n+2)-3a(n+1)-2a(n), a(0) = 1, a(1) = 3, a(2) = 12\}, \text{ogf}]$   
A077830 11.5561 [ $-(-9x^2-4x-3)/(-3x^3-2x^2-3x+1) \text{lgdogf}]$   
A077830 19.9889 [ $-1/(3x^3+2x^2+3x-1) \text{ogf}]$   
A077830 21.3693 [ $-(3+4x+9x^2)/(2x^2-1+3x+3x^3) \text{lgdogf}]$   
A077830 6.54504 [ $\{a(n+3)-3a(n+2)-2a(n+1)-3a(n), a(0) = 1, a(1) = 3, a(2) = 11\}, \text{ogf}]$   
A077831 11.4542 [ $-(-6x^2-4x-3)/(-2x^3-2x^2-3x+1) \text{lgdogf}]$   
A077831 19.8128 [ $-1/(2x^3+2x^2+3x-1) \text{ogf}]$   
A077831 21.1776 [ $-(3+4x+6x^2)/(2x^2-1+3x+2x^3) \text{lgdogf}]$   
A077831 6.48736 [ $\{a(n+3)-3a(n+2)-2a(n+1)-2a(n), a(0) = 1, a(1) = 3, a(2) = 11\}, \text{ogf}]$   
A077832 12.0272 [ $-(-9x^2-6x-2)/(-3x^3-3x^2-2x+1) \text{lgdogf}]$   
A077832 20.8037 [ $-1/(3x^3+3x^2+2x-1) \text{ogf}]$   
A077832 22.2473 [ $-(2+6x+9x^2)/(3x^2-1+2x+3x^3) \text{lgdogf}]$   
A077832 6.87266 [ $\{a(n+3)-2a(n+2)-3a(n+1)-3a(n), a(0) = 1, a(1) = 2, a(2) = 7\}, \text{ogf}]$   
A077833 11.8710 [ $-(-6x^2-6x-2)/(-2x^3-3x^2-2x+1) \text{lgdogf}]$   
A077833 20.5336 [ $-1/(2x^3+3x^2+2x-1) \text{ogf}]$   
A077833 20.7337 [ $-2(1+3x+3x^2)/(3x^2-1+2x+2x^3) \text{lgdogf}]$   
A077833 6.78341 [ $\{a(n+3)-2a(n+2)-3a(n+1)-2a(n), a(0) = 1, a(1) = 2, a(2) = 7\}, \text{ogf}]$   
A077834 12.4169 [ $-(-9x^2-4x-2)/(-3x^3-2x^2-2x+1) \text{lgdogf}]$   
A077834 21.4779 [ $-1/(3x-1)/(x^2+x+1) \text{ogf}]$   
A077834 7.09538 [ $\{a(n+3)-2a(n+2)-2a(n+1)-3a(n), a(0) = 1, a(1) = 2, a(2) = 6\}, \text{ogf}]$   
A077835 12.2065 [ $-(-6x^2-4x-2)/(-2x^3-2x^2-2x+1) \text{lgdogf}]$   
A077835 21.1139 [ $-1/(2x^3+2x^2+2x-1) \text{ogf}]$   
A077835 21.3262 [ $-2(1+3x^2+2x)/(2x^2-1+2x+2x^3) \text{lgdogf}]$   
A077835 6.97512 [ $\{a(n+3)-2a(n+2)-2a(n+1)-2a(n), a(0) = 1, a(1) = 2, a(2) = 6\}, \text{ogf}]$   
A077836 11.7088 [ $-(6x^3-6x^2-6x-2)/(3x^4-4x+1) \text{lgdogf}]$   
A077836 14.1389 [ $(x-1)/(3x^3+3x^2+3x-1) \text{ogf}]$   
A077836 15.0272 [ $-2(-1-3x+3x^3-3x^2)/(x-1)/(3x^3+3x^2+3x-1) \text{lgdogf}]$   
A077836 6.69074 [ $\{a(n+3)-3a(n+2)-3a(n+1)-3a(n), a(0) = 1, a(1) = 2, a(2) = 9\}, \text{ogf}]$   
A077837 10.3626 [ $-(-4x^3+3x^2+6x+2)/(-2x^4-x^3+4x-1) \text{lgdogf}]$   
A077837 14.0775 [ $(x-1)/(2x^3+3x^2+3x-1) \text{ogf}]$   
A077837 15.5973 [ $-(-2-6x+4x^3-3x^2)/(x-1)/(2x^3+3x^2+3x-1) \text{lgdogf}]$   
A077837 6.66165 [ $\{a(n+3)-3a(n+2)-3a(n+1)-2a(n), a(0) = 1, a(1) = 2, a(2) = 9\}, \text{ogf}]$   
A077838 13.7086 [ $(x-1)/(3x^3+2x^2+3x-1) \text{ogf}]$   
A077838 15.1814 [ $-(-2-4x+6x^3-7x^2)/(x-1)/(3x^3+2x^2+3x-1) \text{lgdogf}]$   
A077838 6.48711 [ $\{a(n+3)-3a(n+2)-2a(n+1)-3a(n), a(0) = 1, a(1) = 2, a(2) = 8\}, \text{ogf}]$   
A077838 9.08195 [ $-(-6x^3+7x^2+4x+2)/(-3x^4+x^3-x^2+4x-1) \text{lgdogf}]$   
A077839 10.0006 [ $-(-4x^3+4x^2+4x+2)/(-2x^4-x^2+4x-1) \text{lgdogf}]$   
A077839 13.5857 [ $(x-1)/(2x^3+2x^2+3x-1) \text{ogf}]$   
A077839 14.4287 [ $-2(-1-2x+2x^3-2x^2)/(x-1)/(2x^3+2x^2+3x-1) \text{lgdogf}]$   
A077839 6.42893 [ $\{a(n+3)-3a(n+2)-2a(n+1)-2a(n), a(0) = 1, a(1) = 2, a(2) = 8\}, \text{ogf}]$   
A077840 10.5520 [ $-(-6x^3+6x^2+6x+1)/(-3x^4+x^2+3x-1) \text{lgdogf}]$   
A077840 14.3348 [ $(x-1)/(3x^3+3x^2+2x-1) \text{ogf}]$   
A077840 15.8811 [ $-(-1-6x+6x^3-6x^2)/(x-1)/(3x^3+3x^2+2x-1) \text{lgdogf}]$   
A077840 6.78341 [ $\{a(n+3)-2a(n+2)-3a(n+1)-3a(n), a(0) = 1, a(1) = 1, a(2) = 5\}, \text{ogf}]$

A077841 14.3348 [  $(x-1)/(2x^3+3x^2+2x-1)$  ogf]  
A077841 15.8811  $-(-1-6x+4x^3-3x^2)/(x-1)/(3x^2-1+2x+2x^3)$  lgdogf  
A077841 6.78341 [  $\{-a(n+3)+2a(n+2)+3a(n+1)+2a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$ , ogf]  
A077841 9.49678 [  $-(-4x^3+3x^2+6x+1)/(-2x^4-x^3+x^2+3x-1)$  lgdogf]  
A077842 10.8970 [  $-(-6x^3+7x^2+4x+1)/(-3x^4+x^3+3x-1)$  lgdogf]  
A077842 14.8034 [  $(x-1)/(3x-1)/(x^2+x+1)$  ogf]  
A077842 17.1358  $-(-1-4x+6x^3-7x^2)/(x-1)/(3x-1)/(x^2+x+1)$  lgdogf  
A077842 7.00519 [  $\{a(n+3)-2a(n+2)-2a(n+1)-3a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A077843 11.9434 [  $-(-4x^3+4x^2+4x+1)/(-2x^4+3x-1)$  lgdogf]  
A077843 14.4222 [  $(x-1)/(2x^3+2x^2+2x-1)$  ogf]  
A077843 15.9768  $-(-1-4x+4x^3-4x^2)/(x-1)/(2x^3+2x^2+2x-1)$  lgdogf  
A077843 6.82479 [  $\{a(n+3)-2a(n+2)-2a(n+1)-2a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A077844 6.15467 [  $1/(x-1)/(2x^3+2x^2+2x-1)$  ogf]  
A077845 11.4884 [  $-(4x^3+3x^2-3)/(x^4+x^3-3x+1)$  lgdogf]  
A077845 18.7255  $-(-3+4x^3+3x^2)/(x-1)/(x^3+2x^2+2x-1)$  lgdogf  
A077845 19.0540 [  $1/(x-1)/(x^3+2x^2+2x-1)$  ogf]  
A077846 12.6763 [  $-(6x^2-3)/(2x^3-3x+1)$  lgdogf]  
A077846 19.5753  $-3*(-1+2x^2)/(x-1)/(2x^2+2x-1)$  lgdogf  
A077846 22.7299 [  $1/(x-1)/(2x^2+2x-1)$  ogf]  
A077846 7.01243 [  $\{-a(n+3)+3a(n+2)-2a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A077847 11.0909 [  $-(8x^3-12x^2+3)/(2x^4-4x^3+3x-1)$  lgdogf]  
A077847 17.4806  $-(3+8x^3-12x^2)/(x-1)/(2x^3-2x^2-2x+1)$  lgdogf  
A077847 20.6830 [  $-1/(x-1)/(2x^3-2x^2-2x+1)$  ogf]  
A077848 17.4595  $-(-3+2x+8x^3-3x^2)/(x-1)/(2x^3+x^2+2x-1)$  lgdogf  
A077848 17.7618 [  $1/(x-1)/(2x^3+x^2+2x-1)$  ogf]  
A077848 9.99102 [  $-(8x^3-3x^2+2x-3)/(2x^4-x^3+x^2-3x+1)$  lgdogf]  
A077849 12.1168 [  $-(-4x^3-2x+3)/(-x^4-x^2+3x-1)$  lgdogf]  
A077849 20.5910  $-(-3+2x+4x^3)/(x-1)/(x^3+x^2+2x-1)$  lgdogf  
A077849 20.9588 [  $1/(x-1)/(x^3+x^2+2x-1)$  ogf]  
A077850 10.1373 [  $-(4x^3-6x^2-2x+3)/(x^4-2x^3-x^2+3x-1)$  lgdogf]  
A077850 18.0218 [  $-1/(x-1)/(x^3-x^2-2x+1)$  ogf]  
A077850 19.9280  $-(2x-3)*(2x^2-1)/(x-1)/(x^3-x^2-2x+1)$  lgdogf  
A077851 17.2463 [  $1/(x-1)/(2x^3+2x-1)$  ogf]  
A077851 20.0617  $-(4x-3)*(2x^2+1)/(x-1)/(2x^3+2x-1)$  lgdogf  
A077851 9.70102 [  $-(8x^3-6x^2+4x-3)/(2x^4-2x^3+2x^2-3x+1)$  lgdogf]  
A077852 16.0556 [  $1/(x-1)/(x^3+2x-1)$  ogf]  
A077852 22.7312  $-(4x-3)*(1+x^2)/(x-1)/(x^3+2x-1)$  lgdogf  
A077852 9.83404 [  $-(4x^3-3x^2+4x-3)/(x^4-x^3+2x^2-3x+1)$  lgdogf]  
A077853 10.1444 [  $-(-8x^3+6x^2+4x-3)/(-2x^4+2x^3+2x^2-3x+1)$  lgdogf]  
A077853 18.0345 [  $-1/(x-1)/(2x^3-2x+1)$  ogf]  
A077854 17.0164 [  $1/(2x-1)/(x-1)/(x^2+1)$  ogf]  
A077854 17.4825  $-(-3+6x+8x^3-9x^2)/(x-1)/(2x-1)/(x^2+1)$  lgdogf  
A077854 9.57170 [  $-(8x^3-9x^2+6x-3)/(2x^4-3x^3+3x^2-3x+1)$  lgdogf]  
A077855 16.3087 [  $1/(x-1)/(x^3-x^2+2x-1)$  ogf]  
A077855 18.2510  $-(-3+6x+4x^3-6x^2)/(x-1)/(x^3-x^2+2x-1)$  lgdogf  
A077855 9.98906 [  $-(-4x^3+6x^2-6x+3)/(-x^4+2x^3-3x^2+3x-1)$  lgdogf]  
A077856 12.8704 [  $-(-4x^3+6x-3)/(-x^4+3x^2-3x+1)$  lgdogf]  
A077856 22.2622 [  $-1/(x-1)/(x^3+x^2-2x+1)$  ogf]  
A077856 24.7612  $-(-3-6x+4x^3)/(x-1)/(x^3+x^2-2x+1)$  lgdogf  
A077857 10.1852 [  $-(-8x^3+3x^2+6x-3)/(-2x^4+x^3+3x^2-3x+1)$  lgdogf]  
A077857 16.6290 [  $-1/(x-1)/(2x^3+x^2-2x+1)$  ogf]  
A077857 19.6761  $-(-3-6x-3x^2+8x^3)/(x-1)/(2x^3+x^2-2x+1)$  lgdogf  
A077858 10.2013 [  $-(8x^3-12x^2+8x-3)/(2x^4-4x^3+4x^2-3x+1)$  lgdogf]  
A077858 16.9074  $-(-3+8x+8x^3-12x^2)/(x-1)/(2x^3-2x^2+2x-1)$  lgdogf  
A077858 18.3624 [  $1/(x-1)/(2x^3-2x^2+2x-1)$  ogf]  
A077859 14.5935 [  $-(-4x^2+5x-3)/(-x^3+2x^2-2x+1)$  lgdogf]  
A077859 19.0609 [  $1/(x^2-x+1)/(x-1)^2$  ogf]  
A077859 28.2130 [  $x^5-x^2-x+3$  ogf\_with\_Euler\_transform]

A077859 29.5731  $[-(-5*x+3+4*x^2)/(x-1)/(x^2-x+1) \text{ lgdogf}]$   
A077859 4.76522  $[\{(-n-4)*a(n+4)+(9+2*n)*a(n+3)+(-9-2*n)*a(n+2)+(5+n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 6\}, \text{ ogf}]$   
A077860 13.3072  $[-(-6*x^2+8*x-3)/(-2*x^3+4*x^2-3*x+1) \text{ lgdogf}]$   
A077860 23.0179  $[-1/(x-1)/(2*x^2-2*x+1) \text{ ogf}]$   
A077860 7.60414  $[\{a(n+3)-3*a(n+2)+4*a(n+1)-2*a(n), a(0) = 1, a(1) = 3, a(2) = 5\}, \text{ ogf}]$   
A077861 10.0034  $[-(4*x^3+3*x^2-8*x+3)/(x^4+x^3-4*x^2+3*x-1) \text{ lgdogf}]$   
A077861 16.3320  $[-1/(x-1)/(x^3+2*x^2-2*x+1) \text{ ogf}]$   
A077862 12.3743  $[-(8*x^3-8*x+3)/(2*x^4-4*x^2+3*x-1) \text{ lgdogf}]$   
A077862 19.3160  $[-1/(x-1)/(2*x^3+2*x^2-2*x+1) \text{ ogf}]$   
A077863 12.3467  $[-(8*x^3-2*x-2)/(2*x^4-x^2-2*x+1) \text{ lgdogf}]$   
A077863 19.9058  $-2*(-1-x+4*x^3)/(x-1)/(2*x^3+2*x^2+x-1) \text{ lgdogf}$   
A077863 21.3565  $[1/(x-1)/(2*x^3+2*x^2+x-1) \text{ ogf}]$   
A077864 10.2273  $[-(4*x^3+3*x^2-2*x-2)/(x^4+x^3-x^2-2*x+1) \text{ lgdogf}]$   
A077864 16.6976  $[1/(x-1)/(x^3+2*x^2+x-1) \text{ ogf}]$   
A077864 18.7023  $-(-2-2*x+4*x^3+3*x^2)/(x-1)/(x^3+2*x^2+x-1) \text{ lgdogf}$   
A077865 10.1682  $[-(4*x^3-9*x^2+2*x+2)/(x^4-3*x^3+x^2+2*x-1) \text{ lgdogf}]$   
A077865 16.6012  $[-1/(x-1)/(x^3-2*x^2-x+1) \text{ ogf}]$   
A077865 19.0268  $-(-2+2*x+4*x^3-9*x^2)/(x-1)/(x^3-2*x^2-x+1) \text{ lgdogf}$   
A077866 13.1402  $[-(-8*x^2+4*x+2)/(-2*x^3+2*x^2+x-1) \text{ lgdogf}]$   
A077866 17.1628  $[-1/(2*x^2-1)/(x-1)^2 \text{ ogf}]$   
A077866 25.0311  $-2*(-1-2*x+4*x^2)/(x-1)/(2*x^2-1) \text{ lgdogf}$   
A077866 4.26891  $[\{(-n-4)*a(n+4)+(5+n)*a(n+3)+(8+2*n)*a(n+2)+(-10-2*n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 8\}, \text{ ogf}]$   
A077867 12.4264  $[-(8*x^3-9*x^2+2)/(2*x^4-3*x^3+2*x-1) \text{ lgdogf}]$   
A077867 22.8377  $[-1/(x-1)/(2*x^3-x^2-x+1) \text{ ogf}]$   
A077867 6.81448  $[\{-a(n+4)+2*a(n+3)-3*a(n+1)+2*a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 5\}, \text{ ogf}]$   
A077868 10.2786  $[-(4*x^3-3*x^2+2*x-2)/(x^4-x^3+x^2-2*x+1) \text{ lgdogf}]$   
A077868 16.7814  $[1/(x-1)/(x^3+x-1) \text{ ogf}]$   
A077868 21.8199  $-(-2+2*x+4*x^3-3*x^2)/(x-1)/(x^3+x-1) \text{ lgdogf}$   
A077869 11.2810  $[-(4*x^3-3*x^2-2*x+2)/(x^4-x^3-x^2+2*x-1) \text{ lgdogf}]$   
A077869 18.4179  $[-1/(x-1)/(x^3-x+1) \text{ ogf}]$   
A077869 27.8414  $-(-2-2*x-3*x^2+4*x^3)/(x-1)/(x^3-x+1) \text{ lgdogf}$   
A077870 10.7680  $[-(8*x^3-6*x^2-2*x+2)/(2*x^4-2*x^3-x^2+2*x-1) \text{ lgdogf}]$   
A077870 17.5805  $[-1/(x-1)/(x+1)/(2*x^2-2*x+1) \text{ ogf}]$   
A077870 20.2252  $-2*(1-x-3*x^2+4*x^3)/(x-1)/(x+1)/(2*x^2-2*x+1) \text{ lgdogf}$   
A077871 10.4809  $[-(8*x^3-9*x^2+4*x-2)/(2*x^4-3*x^3+2*x^2-2*x+1) \text{ lgdogf}]$   
A077871 17.1117  $[1/(x-1)/(2*x^3-x^2+x-1) \text{ ogf}]$   
A077871 19.1432  $-(-2+4*x+8*x^3-9*x^2)/(x-1)/(2*x^3-x^2+x-1) \text{ lgdogf}$   
A077872 13.4998  $[-(-4*x^3+4*x-2)/(-x^4+2*x^2-2*x+1) \text{ lgdogf}]$   
A077872 23.3509  $[-1/(x-1)/(x^3+x^2-x+1) \text{ ogf}]$   
A077872 26.2698  $-2*(1-2*x+2*x^3)/(x-1)/(x^3+x^2-x+1) \text{ lgdogf}$   
A077873 10.5589  $[-(-8*x^3+3*x^2+4*x-2)/(-2*x^4+x^3+2*x^2-2*x+1) \text{ lgdogf}]$   
A077873 17.2390  $[-1/(x-1)/(2*x^3+x^2-x+1) \text{ ogf}]$   
A077873 21.5361  $-(-2-4*x-3*x^2+8*x^3)/(x-1)/(2*x^3+x^2-x+1) \text{ lgdogf}$   
A077874 13.1146  $[-(8*x^2-4*x+2)/(2*x^3-2*x^2+x-1) \text{ lgdogf}]$   
A077874 17.1292  $[1/(2*x^2+1)/(x-1)^2 \text{ ogf}]$   
A077874 27.4177  $-2*(-2*x+1+4*x^2)/(x-1)/(2*x^2+1) \text{ lgdogf}$   
A077874 4.28231  $[\{(-n-4)*a(n+4)+(5+n)*a(n+3)+(-8-2*n)*a(n+2)+(10+2*n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 1, a(3) = 0\}, \text{ ogf}]$   
A077875 10.7142  $[-(4*x^3-9*x^2+6*x-2)/(x^4-3*x^3+3*x^2-2*x+1) \text{ lgdogf}]$   
A077875 17.4926  $[1/(x-1)/(x^3-2*x^2+x-1) \text{ ogf}]$   
A077875 21.8537  $-(-2+6*x-9*x^2+4*x^3)/(x-1)/(x^3-2*x^2+x-1) \text{ lgdogf}$   
A077876 13.1011  $[-(-6*x^2+6*x-2)/(-2*x^3+3*x^2-2*x+1) \text{ lgdogf}]$   
A077876 22.6614  $[-1/(x-1)/(2*x^2-x+1) \text{ ogf}]$   
A077876 26.6879  $-2*(1-3*x+3*x^2)/(x-1)/(2*x^2-x+1) \text{ lgdogf}$   
A077876 7.48636  $[\{a(n+3)-2*a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 1\}, \text{ ogf}]$   
A077877 10.2587  $[-(4*x^3+3*x^2-6*x+2)/(x^4+x^3-3*x^2+2*x-1) \text{ lgdogf}]$

A077877 16.7490  $[-1/(x-1)/(x^3+2x^2-x+1)$  ogf]  
A077877 20.9551  $-(2-6*x+3*x^2+4*x^3)/(x-1)/(x^3+2*x^2-x+1)$  lgdogf  
A077878 12.6747  $[-(-8*x^3+6*x-2)/(-2*x^4+3*x^2-2*x+1)$  lgdogf]  
A077878 19.7850  $[ -1/(x-1)/(2*x^3+2*x^2-x+1)$  ogf]  
A077878 20.4398  $-2*(x+1)*(2*x-1)^2/(x-1)/(2*x^3+2*x^2-x+1)$  lgdogf  
A077879 12.4690  $[-(8*x^3-4*x-1)/(2*x^4-2*x^2-x+1)$  lgdogf]  
A077879 17.8084  $-(2*x+1)*(4*x^2-2*x-1)/(x-1)/(2*x^3+2*x^2-1)$  lgdogf  
A077879 19.4637  $[ 1/(x-1)/(2*x^3+2*x^2-1)$  ogf]  
A077880 14.1408  $[-(-4*x^2+5*x+1)/(-x^3+2*x^2-1)$  lgdogf]  
A077880 18.8545  $[ -1/(x^2-x-1)/(x-1)^2$  ogf]  
A077880 29.0574  $-(-1-5*x+4*x^2)/(x-1)/(x^2-x-1)$  lgdogf  
A077880 4.71362  $[ \{(-n-4)*a(n+4)+a(n+3)+(9+2*n)*a(n+2)+(-5-n)*a(n+1), a(0) = 1,$   
 $a(1) = 1, a(2) = 3, a(3) = 2\}$ , ogf]  
A077881 10.1766  $[-(8*x^3-12*x^2+4*x+1)/(2*x^4-4*x^3+2*x^2+x-1)$  lgdogf]  
A077881 18.3178  $[ -1/(x-1)/(2*x^3-2*x^2+1)$  ogf]  
A077881 20.2774  $-(1+4*x-12*x^2+8*x^3)/(x-1)/(2*x^3-2*x^2+1)$  lgdogf  
A077882 10.6254  $[-(8*x^3-3*x^2-2*x-1)/(2*x^4-x^3-x^2-x+1)$  lgdogf]  
A077882 16.0383  $[ x/(x-1)/(2*x^3+x^2-1)$  ogf]  
A077882 20.4573  $-(-1-2*x+8*x^3-3*x^2)/(x-1)/(2*x^3+x^2-1)$  lgdogf  
A077883 10.6190  $[-(4*x^3-6*x^2+2*x+1)/(x^4-2*x^3+x^2+x-1)$  lgdogf]  
A077883 18.8782  $[ -1/(x-1)/(x^3-x^2+1)$  ogf]  
A077883 24.4353  $-(-1+2*x-6*x^2+4*x^3)/(x-1)/(x^3-x^2+1)$  lgdogf  
A077884 10.2646  $[-(8*x^3-9*x^2+2*x+1)/(2*x^4-3*x^3+x^2+x-1)$  lgdogf]  
A077884 16.7586  $[ -1/(x-1)/(2*x^3-x^2+1)$  ogf]  
A077885 13.1321  $[-(8*x^3-6*x^2-1)/(2*x^4-2*x^3-x+1)$  lgdogf]  
A077885 21.7800  $[ 1/(x-1)/(2*x^3-1)$  ogf]  
A077885 26.5811  $-(-1+8*x^3-6*x^2)/(x-1)/(2*x^3-1)$  lgdogf  
A077885 7.20145  $[ \{-a(n+4)+a(n+3)+2*a(n+1)-2*a(n), a(0) = 1, a(1) = 1, a(2) = 1,$   
 $a(3) = 3\}$ , ogf]  
A077886 13.1417  $[-(8*x^3-6*x^2+1)/(2*x^4-2*x^3+x-1)$  lgdogf]  
A077886 21.7960  $[ -1/(x-1)/(2*x^3+1)$  ogf]  
A077886 30.8063  $-(-1-6*x^2+8*x^3)/(x-1)/(2*x^3+1)$  lgdogf  
A077886 7.20673  $[ \{-a(n+4)+a(n+3)-2*a(n+1)+2*a(n), a(0) = 1, a(1) = 1, a(2) = 1,$   
 $a(3) = -1\}$ , ogf]  
A077887 14.1944  $[-(-8*x^2+x-1)/(-2*x^3+x^2+1)$  lgdogf]  
A077887 18.9259  $[ 1/(2*x^2+x+1)/(x-1)^2$  ogf]  
A077887 30.9696  $-(-1-x+8*x^2)/(x-1)/(2*x^2+x+1)$  lgdogf  
A077887 4.73147  $[ \{(-n-4)*a(n+4)+a(n+3)+(-3-n)*a(n+2)+(10+2*n)*a(n+1), a(0) = 1,$   
 $a(1) = 1, a(2) = 0, a(3) = 2\}$ , ogf]  
A077888 10.8938  $[-(-4*x^3+6*x^2-2*x+1)/(-x^4+2*x^3-x^2+x-1)$  lgdogf]  
A077888 17.7858  $[ 1/(x-1)/(x^3-x^2-1)$  ogf]  
A077888 25.0868  $-(-1+2*x-6*x^2+4*x^3)/(x-1)/(x^3-x^2-1)$  lgdogf  
A077889 13.8824  $[-(4*x^3-2*x+1)/(x^4-x^2+x-1)$  lgdogf]  
A077889 24.0128  $[ -1/(x-1)/(x^3+x^2+1)$  ogf]  
A077889 31.0914  $-(-1-2*x+4*x^3)/(x-1)/(x^3+x^2+1)$  lgdogf  
A077890 10.4917  $[-(-8*x^3+3*x^2+2*x-1)/(-2*x^4+x^3+x^2-x+1)$  lgdogf]  
A077890 17.1292  $[ -1/(x-1)/(x+1)/(2*x^2-x+1)$  ogf]  
A077890 20.7383  $-(-1-2*x-3*x^2+8*x^3)/(x-1)/(x+1)/(2*x^2-x+1)$  lgdogf  
A077891 10.0404  $[-(-8*x^3+12*x^2-4*x+1)/(-2*x^4+4*x^3-2*x^2+x-1)$  lgdogf]  
A077891 18.0727  $[ 1/(x-1)/(2*x^3-2*x^2-1)$  ogf]  
A077892 10.2173  $[-(-4*x^3+9*x^2-4*x+1)/(-x^4+3*x^3-2*x^2+x-1)$  lgdogf]  
A077892 18.1641  $[ 1/(x-1)/(x^3-2*x^2-1)$  ogf]  
A077893 4.99408  $[ -(x+1)/(x^2+1)/(2*x^2-1)$  ogf]  
A077894 10.3592  $[-(-4*x^3-3*x^2+4*x-1)/(-x^4-x^3+2*x^2-x+1)$  lgdogf]  
A077894 16.9130  $[ -1/(x-1)/(x^3+2*x^2+1)$  ogf]  
A077894 22.4213  $-(-1-4*x+3*x^2+4*x^3)/(x-1)/(x^3+2*x^2+1)$  lgdogf  
A077895 13.3738  $[-(-8*x^3+4*x-1)/(-2*x^4+2*x^2-x+1)$  lgdogf]  
A077895 20.8762  $[ -1/(x-1)/(2*x^3+2*x^2+1)$  ogf]  
A077895 20.8970  $-(-2*x-1)*(4*x^2+2*x-1)/(x-1)/(2*x^3+2*x^2+1)$  lgdogf  
A077896 13.9541  $[-(-8*x^3+6*x)/(2*x^4+3*x^2-1)$  lgdogf]  
A077896 16.1777  $-a(n+4)+3*a(n+2)-2*a(n), a(0)=0, a(1)=6, a(2)=0, a(3)=10$  lgdogf

A077896 21.1197 [  $1/(x-1)/(x+1)/(2x^2-1)$  ogf]  
A077897 11.5696 [  $-(-4x^3-3x^2+6x)/(-x^4-x^3+3x^2-1)$  lgdogf]  
A077897 18.5113 [  $1/(x-1)/(x^3+2x^2-x-1)$  ogf]  
A077897 22.7583  $-x*(-6+3x+4x^2)/(x-1)/(x^3+2x^2-x-1)$  lgdogf  
A077898 19.7322 [  $6x/(-2x^2+x+1)$  lgdogf]  
A077898 21.3321 [  $1/(2x+1)/(x-1)^2$  ogf]  
A077898 46.4171  $-6x/(2x+1)/(x-1)$  lgdogf  
A077898 8.48697 [  $\{a(n+3)-3a(n+1)+2a(n), a(0) = 1, a(1) = 0, a(2) = 3\}$ , ogf]  
A077899 11.0688 [  $-(-4x^3+9x^2-6x)/(-x^4+3x^3-3x^2+1)$  lgdogf]  
A077899 17.7102 [  $-1/(x-1)/(x^3-2x^2+x+1)$  ogf]  
A077899 22.1789  $-x*(6-9x+4x^2)/(x-1)/(x^3-2x^2+x+1)$  lgdogf  
A077900 10.9206 [  $-(-8x^3+12x^2-6x)/(-2x^4+4x^3-3x^2+1)$  lgdogf]  
A077900 17.7156 [  $-1/(x-1)/(2x^3-2x^2+x+1)$  ogf]  
A077900 19.9801  $-2x*(3-6x+4x^2)/(x-1)/(2x^3-2x^2+x+1)$  lgdogf  
A077901 12.1332 [  $-(-8x^3+3x^2+4x)/(x-1)/(2x^4+x^3+2x^2-1)$  lgdogf]  
A077901 19.4130 [  $1/(x-1)/(2x^3+x^2-x-1)$  ogf]  
A077902 11.7211 [  $-(4x^3-6x^2+4x)/(x^4-2x^3+2x^2-1)$  lgdogf]  
A077902 20.5834 [  $-1/(x-1)/(x^3-x^2+x+1)$  ogf]  
A077902 23.6443  $-2x*(2-3x+2x^2)/(x-1)/(x^3-x^2+x+1)$  lgdogf  
A077903 10.8636 [  $-(8x^3-9x^2+4x)/(2x^4-3x^3+2x^2-1)$  lgdogf]  
A077903 17.3817 [  $-1/(2x+1)/(x-1)/(x^2-x+1)$  ogf]  
A077904 16.5270 [  $-(8x^2+2x)/(2x^3-x-1)$  lgdogf]  
A077904 19.0979 [  $1/(2x^2+2x+1)/(x-1)^2$  ogf]  
A077904 29.1550  $-2x*(4x+1)/(x-1)/(2x^2+2x+1)$  lgdogf  
A077904 4.77448 [  $\{(n+4)a(n+4)+(n+3)a(n+3)-2a(n+2)+(-10-2^n)a(n+1), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 2\}$ , ogf]  
A077905 12.6435 [  $-(-4x^3+3x^2+2x)/(-x^4+x^3+x^2-1)$  lgdogf]  
A077905 22.2033 [  $1/(x-1)/(x^3-x-1)$  ogf]  
A077905 31.4351  $-x*(-2-3x+4x^2)/(x-1)/(x^3-x-1)$  lgdogf  
A077906 11.5278 [  $-(-8x^3+6x^2-2x)/(-2x^4+2x^3-x^2+1)$  lgdogf]  
A077906 18.4444 [  $-1/(x-1)/(2x^3+x+1)$  ogf]  
A077906 24.6950  $-2x*(1-3x+4x^2)/(x-1)/(2x^3+x+1)$  lgdogf  
A077907 13.7284 [  $-(-8x^3+9x^2)/(-2x^4+3x^3-1)$  lgdogf]  
A077907 16.3682  $-a(n+4)+3a(n+1)-2a(n), a(0)=0, a(1)=0, a(2)=9, a(3)=-8$  lgdogf  
A077907 22.2622 [  $1/(x-1)/(2x^3-x^2-x-1)$  ogf]  
A077908 14.2137 [  $-(-4x^3+6x^2)/(-x^4+2x^3-1)$  lgdogf]  
A077908 23.0492 [  $1/(x-1)/(x^3-x^2-x-1)$  ogf]  
A077908 27.3841  $-2x^2*(2x-3)/(x-1)/(x^3-x^2-x-1)$  lgdogf  
A077909 14.2856 [  $-(-8x^3+3x^2)/(-2x^4+x^3+1)$  lgdogf]  
A077909 23.1659 [  $-1/(x-1)/(2x^3+x^2+x+1)$  ogf]  
A077909 26.9611  $-x^2*(-3+8x)/(x-1)/(2x^3+x^2+x+1)$  lgdogf  
A077910 11.1914 [  $-(8x^3-12x^2+2x)/(2x^4-4x^3+x^2+1)$  lgdogf]  
A077910 18.1550 [  $1/(x-1)/(2x^3-2x^2-x-1)$  ogf]  
A077910 20.5857  $-2x*(1-6x+4x^2)/(x-1)/(2x^3-2x^2-x-1)$  lgdogf  
A077911 11.6802 [  $-(4x^3-9x^2+2x)/(x^4-3x^3+x^2+1)$  lgdogf]  
A077911 20.5116 [  $1/(x-1)/(x^3-2x^2-x-1)$  ogf]  
A077911 23.0969  $-x*(-1+4x)*(x-2)/(x-1)/(x^3-2x^2-x-1)$  lgdogf  
A077912 15.1256 [  $-(6x^2-2x)/(2x^3-x^2-1)$  lgdogf]  
A077912 22.8928 [  $-1/(x-1)/(2x^2+x+1)$  ogf]  
A077912 30.8012  $-2x*(3x-1)/(x-1)/(2x^2+x+1)$  lgdogf  
A077912 9.10788 [  $\{a(n+3)+a(n+1)-2a(n), a(0) = 1, a(1) = 0, a(2) = -1\}$ , ogf]  
A077913 12.1830 [  $-(-4x^3-3x^2+2x)/(-x^4-x^3+x^2+1)$  lgdogf]  
A077913 19.4928 [  $-1/(x-1)/(x^3+2x^2+x+1)$  ogf]  
A077913 24.5180  $-x*(-2+3x+4x^2)/(x-1)/(x^3+2x^2+x+1)$  lgdogf  
A077915 12.1799 [  $-(8x^3-8x+1)/(2x^4-4x^2+x+1)$  lgdogf]  
A077915 19.0126 [  $1/(x-1)/(2x^3+2x^2-2x-1)$  ogf]  
A077915 20.4322  $-(1-8x+8x^3)/(x-1)/(2x^3+2x^2-2x-1)$  lgdogf  
A077916 11.9042 [  $-(4x^2+7x-1)/(x^3+2x^2-2x-1)$  lgdogf]  
A077916 16.9304 [  $1/(x^2+3x+1)/(x-1)^2$  ogf]  
A077916 24.2207  $-(-1+7x+4x^2)/(x-1)/(x^2+3x+1)$  lgdogf  
A077916 3.84782 [  $\{(-n-4)a(n+4)+(-7-2^n)a(n+3)+(11+2^n)a(n+2)+(5+n)a(n+1),$

$a(0) = 1, a(1) = -1, a(2) = 5, a(3) = -10$ , ogf]
   
 A077917 12.2762  $[-(6*x^2-8*x+1)/(2*x^3-4*x^2+x+1) \text{ lgdogf}]$ 
  
 A077917 19.1629  $[1/(x-1)/(2*x^2-2*x-1) \text{ ogf}]$ 
  
 A077917 24.2085  $-(1-8*x+6*x^2)/(x-1)/(2*x^2-2*x-1) \text{ lgdogf}$ 
  
 A077917 7.01497  $[{-a(n+3)-a(n+2)+4*a(n+1)-2*a(n), a(0) = 1, a(1) = -1, a(2) = 5}, \text{ ogf}]$ 
  
 A077918 10.1186  $[-(4*x^3-9*x^2+8*x-1)/(x^4-3*x^3+4*x^2-x-1) \text{ lgdogf}]$ 
  
 A077918 16.5201  $[ -1/(x-1)/(x^3-2*x^2+2*x+1) \text{ ogf}]$ 
  
 A077918 18.8200  $-(-1+8*x-9*x^2+4*x^3)/(x-1)/(x^3-2*x^2+2*x+1) \text{ lgdogf}$ 
  
 A077919 16.6962  $-(-1+8*x-12*x^2+8*x^3)/(x-1)/(2*x^3-2*x^2+2*x+1) \text{ lgdogf}$ 
  
 A077919 17.0610  $[ -1/(x-1)/(2*x^3-2*x^2+2*x+1) \text{ ogf}]$ 
  
 A077919 9.47832  $[-(8*x^3-12*x^2+8*x-1)/(2*x^4-4*x^3+4*x^2-x-1) \text{ lgdogf}]$ 
  
 A077920 12.7295  $[-(4*x^3-6*x+1)/(x^4-3*x^2+x+1) \text{ lgdogf}]$ 
  
 A077920 22.0186  $[1/(x-1)/(x^3+x^2-2*x-1) \text{ ogf}]$ 
  
 A077920 23.7957  $-(1-6*x+4*x^3)/(x-1)/(x^3+x^2-2*x-1) \text{ lgdogf}$ 
  
 A077921 11.8580  $[-(-3*x^2+6*x-1)/(-x^3+3*x^2-x-1) \text{ lgdogf}]$ 
  
 A077921 18.5100  $[1/(x-1)/(x^2-2*x-1) \text{ ogf}]$ 
  
 A077921 6.77600  $[{-a(n+3)-a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = -1, a(2) = 4}, \text{ ogf}]$ 
  
 A077922 17.6278  $[ -1/(x-1)/(x^3-x^2+2*x+1) \text{ ogf}]$ 
  
 A077922 19.3262  $-(-1+6*x-6*x^2+4*x^3)/(x-1)/(x^3-x^2+2*x+1) \text{ lgdogf}$ 
  
 A077922 9.91565  $[-(4*x^3-6*x^2+6*x-1)/(x^4-2*x^3+3*x^2-x-1) \text{ lgdogf}]$ 
  
 A077923 17.0816  $[ -1/(x-1)/(2*x^3-x^2+2*x+1) \text{ ogf}]$ 
  
 A077923 17.9130  $-(-1+6*x-9*x^2+8*x^3)/(x-1)/(2*x^3-x^2+2*x+1) \text{ lgdogf}$ 
  
 A077923 9.60839  $[-(8*x^3-9*x^2+6*x-1)/(2*x^4-3*x^3+3*x^2-x-1) \text{ lgdogf}]$ 
  
 A077924 10.2319  $[-(8*x^3-6*x^2-4*x+1)/(2*x^4-2*x^3-2*x^2+x+1) \text{ lgdogf}]$ 
  
 A077924 18.1900  $[1/(x-1)/(2*x^3-2*x-1) \text{ ogf}]$ 
  
 A077924 21.9588  $-(-1-4*x-6*x^2+8*x^3)/(x-1)/(2*x^3-2*x-1) \text{ lgdogf}$ 
  
 A077925 16.0155  $[-(4*x-1)/(2*x^2-x-1) \text{ lgdogf}]$ 
  
 A077925 26.2771  $1/4/x*(x-1+(9*x^2-2*x+1)^(1/2)) \text{ revogf}$ 
  
 A077925 26.5085  $[ -1/(2*x+1)/(x-1) \text{ ogf}]$ 
  
 A077925 35.4169  $-(-1+4*x)/(2*x+1)/(x-1) \text{ lgdogf}$ 
  
 A077925 9.37495  $[{a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = -1}, \text{ ogf}]$ 
  
 A077926 10.5791  $[-(4*x^3-3*x^2+4*x-1)/(x^4-x^3+2*x^2-x-1) \text{ lgdogf}]$ 
  
 A077926 17.2720  $[ -1/(x-1)/(x^3+2*x+1) \text{ ogf}]$ 
  
 A077926 22.8761  $-(-1+4*x-3*x^2+4*x^3)/(x-1)/(x^3+2*x+1) \text{ lgdogf}$ 
  
 A077927 16.1263  $[ -1/(x-1)/(2*x^3+2*x+1) \text{ ogf}]$ 
  
 A077927 20.2873  $-(-1+4*x-6*x^2+8*x^3)/(x-1)/(2*x^3+2*x+1) \text{ lgdogf}$ 
  
 A077927 9.87736  $[-(8*x^3-6*x^2+4*x-1)/(2*x^4-2*x^3+2*x^2-x-1) \text{ lgdogf}]$ 
  
 A077928 10.4211  $[-(8*x^3-9*x^2-2*x+1)/(2*x^4-3*x^3-x^2+x+1) \text{ lgdogf}]$ 
  
 A077928 18.5264  $[1/(x-1)/(2*x^3-x^2-2*x-1) \text{ ogf}]$ 
  
 A077928 20.1212  $-(-1-2*x-9*x^2+8*x^3)/(x-1)/(2*x^3-x^2-2*x-1) \text{ lgdogf}$ 
  
 A077929 10.4683  $[-(4*x^3-6*x^2-2*x+1)/(x^4-2*x^3-x^2+x+1) \text{ lgdogf}]$ 
  
 A077929 17.0911  $[1/(x-1)/(x^3-x^2-2*x-1) \text{ ogf}]$ 
  
 A077929 20.5906  $-(-1+2*x)*(2*x^2-4*x+1)/(x-1)/(x^3-x^2-2*x-1) \text{ lgdogf}$ 
  
 A077930 12.7316  $[-(-4*x^3-2*x+1)/(-x^4-x^2+x+1) \text{ lgdogf}]$ 
  
 A077930 19.8737  $[ -1/(x-1)/(x^3+x^2+2*x+1) \text{ ogf}]$ 
  
 A077930 23.4969  $-(-1+2*x+4*x^3)/(x-1)/(x^3+x^2+2*x+1) \text{ lgdogf}$ 
  
 A077931 10.0439  $[-(-8*x^3+3*x^2-2*x+1)/(-2*x^4+x^3-x^2+x+1) \text{ lgdogf}]$ 
  
 A077931 17.8558  $[ -1/(2*x+1)/(x-1)/(x^2+1) \text{ ogf}]$ 
  
 A077931 19.7611  $-(-1+2*x-3*x^2+8*x^3)/(x-1)/(1+2*x)/(1+x^2) \text{ lgdogf}$ 
  
 A077932 11.9841  $[-(8*x^3-12*x^2+1)/(2*x^4-4*x^3+x+1) \text{ lgdogf}]$ 
  
 A077932 20.4059  $-(-1-12*x^2+8*x^3)/(x-1)/(2*x^3-2*x^2-2*x-1) \text{ lgdogf}$ 
  
 A077932 22.3487  $[1/(x-1)/(2*x^3-2*x^2-2*x-1) \text{ ogf}]$ 
  
 A077933 12.2059  $[-(4*x^3-9*x^2+1)/(x^4-3*x^3+x+1) \text{ lgdogf}]$ 
  
 A077933 22.2255  $-(-1-9*x^2+4*x^3)/(x-1)/(x^3-2*x^2-2*x-1) \text{ lgdogf}$ 
  
 A077933 22.4324  $[1/(x-1)/(x^3-2*x^2-2*x-1) \text{ ogf}]$ 
  
 A077934 3.30866  $[ -(2*x^5+x^3+x^2+x+1)/(2*x^2-1)/(2*x^2+1)/(x^4+1) \text{ ogf}]$ 
  
 A077935 5.19043  $-2*(1+3*x^2+2*x)/(2*x^2-1+2*x+2*x^3) \text{ lgdogf}$ 
  
 A077935 5.34292  $[ -1/(2*x^3+2*x^2+2*x-1) \text{ ogf}]$ 
  
 A077936 11.9960  $[-(-3*x^2-4*x-2)/(-x^3-2*x^2-2*x+1) \text{ lgdogf}]$

A077936 20.7498  $[-1/(x^3+2x^2+2x-1) \text{ ogf}]$   
A077936 23.5711  $-(2+4x+3x^2)/(2x^2-1+2x+x^3) \text{ lgdogf}$   
A077936 6.85486  $\{a(n+3)-2a(n+2)-2a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 6\}, \text{ ogf}]$   
A077937 11.6916  $[-(-6x^2+4x+2)/(-2x^3+2x^2+2x-1) \text{ lgdogf}]$   
A077937 19.8557  $-2*(3x+1)*(x-1)/(-2x^2+1-2x+2x^3) \text{ lgdogf}$   
A077937 20.2234  $[1/(2x^3-2x^2-2x+1) \text{ ogf}]$   
A077937 6.68093  $\{a(n+3)-2a(n+2)-2a(n+1)+2a(n), a(0) = 1, a(1) = 2, a(2) = 6\}, \text{ ogf}]$   
A077938 12.1699  $[-(6x^2+2x+2)/(2x^3+x^2+2x-1) \text{ lgdogf}]$   
A077938 21.0507  $[-1/(2x^3+x^2+2x-1) \text{ ogf}]$   
A077938 23.9147  $-2*(1+x+3x^2)/(x^2-1+2x+2x^3) \text{ lgdogf}$   
A077938 6.95424  $\{a(n+3)-2a(n+2)-a(n+1)-2a(n), a(0) = 1, a(1) = 2, a(2) = 5\}, \text{ ogf}]$   
A077939 11.7979  $[-(-3x^2-2x-2)/(-x^3-x^2-2x+1) \text{ lgdogf}]$   
A077939 20.4072  $[ -1/(x^3+x^2+2x-1) \text{ ogf}]$   
A077939 24.7154  $-(2+2x+3x^2)/(x^2-1+2x+x^3) \text{ lgdogf}$   
A077939 6.74166  $\{a(n+3)-2a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 5\}, \text{ ogf}]$   
A077940 15.8851  $[-(6x^2-2)/(2x^3-2x+1) \text{ lgdogf}]$   
A077940 28.4836  $[1/(2x^3-2x+1) \text{ ogf}]$   
A077940 32.8084  $-2*(-1+3x^2)/(1-2x+2x^3) \text{ lgdogf}$   
A077940 8.78750  $\{-a(n+3)+2a(n+2)-2a(n), a(0) = 1, a(1) = 2, a(2) = 4\}, \text{ ogf}]$   
A077941 13.0673  $[-(3x^2+2x-2)/(x^3+x^2-2x+1) \text{ lgdogf}]$   
A077941 20.3977  $[1/(x^3+x^2-2x+1) \text{ ogf}]$   
A077941 28.9307  $-(-2+2x+3x^2)/(x^3+x^2-2x+1) \text{ lgdogf}$   
A077941 7.46702  $\{-a(n+3)+2a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 3\}, \text{ ogf}]$   
A077942 12.7652  $[-(6x^2+2x-2)/(2x^3+x^2-2x+1) \text{ lgdogf}]$   
A077942 19.9262  $[1/(2x^3+x^2-2x+1) \text{ ogf}]$   
A077942 26.4220  $-2*(-1+x+3x^2)/(2x^3+x^2-2x+1) \text{ lgdogf}$   
A077942 7.29441  $\{-a(n+3)+2a(n+2)-a(n+1)-2a(n), a(0) = 1, a(1) = 2, a(2) = 3\}, \text{ ogf}]$   
A077943 13.1402  $[-(-6x^2+4x-2)/(-2x^3+2x^2-2x+1) \text{ lgdogf}]$   
A077943 21.7375  $-2*(-2x+1+3x^2)/(-2x^2-1+2x+2x^3) \text{ lgdogf}$   
A077943 22.7291  $[ -1/(2x^3-2x^2+2x-1) \text{ ogf}]$   
A077943 7.50871  $\{a(n+3)-2a(n+2)+2a(n+1)-2a(n), a(0) = 1, a(1) = 2, a(2) = 2\}, \text{ ogf}]$   
A077944 12.7652  $[-(-3x^2-4x+2)/(-x^3-2x^2+2x-1) \text{ lgdogf}]$   
A077944 19.9262  $[1/(x^3+2x^2-2x+1) \text{ ogf}]$   
A077944 26.5331  $-(-2+4x+3x^2)/(2x^2+1-2x+x^3) \text{ lgdogf}$   
A077944 7.29441  $\{-a(n+3)+2a(n+2)-2a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 2\}, \text{ ogf}]$   
A077945 13.0896  $[-(-6x^2-4x+2)/(-2x^3-2x^2+2x-1) \text{ lgdogf}]$   
A077945 20.4325  $[1/(2x^3+2x^2-2x+1) \text{ ogf}]$   
A077945 24.7749  $-2*(x+1)*(3x-1)/(2x^2+1-2x+2x^3) \text{ lgdogf}$   
A077945 7.47976  $\{-a(n+3)+2a(n+2)-2a(n+1)-2a(n), a(0) = 1, a(1) = 2, a(2) = 2\}, \text{ ogf}]$   
A077946 12.7841  $[-(-6x^2-4x-1)/(-2x^3-2x^2-x+1) \text{ lgdogf}]$   
A077946 22.1131  $[ -1/(2x^3+2x^2+x-1) \text{ ogf}]$   
A077946 25.1312  $-(1+4x+6x^2)/(2x^2-1+x+2x^3) \text{ lgdogf}$   
A077946 7.30521  $\{a(n+3)-a(n+2)-2a(n+1)-2a(n), a(0) = 1, a(1) = 1, a(2) = 3\}, \text{ ogf}]$   
A077947 12.5548  $[-(6x^2+2x+1)/(2x^3+x^2+x-1) \text{ lgdogf}]$   
A077947 21.7165  $[ -1/(2x-1)/(x^2+x+1) \text{ ogf}]$   
A077947 24.6652  $-(-1+2x+6x^2)/(2x-1)/(x^2+x+1) \text{ lgdogf}$   
A077947 7.17419  $\{a(n+3)-a(n+2)-a(n+1)-2a(n), a(0) = 1, a(1) = 1, a(2) = 2\}, \text{ ogf}]$   
A077948 13.7099  $[-(-6x^2+2x+1)/(-2x^3+x^2+x-1) \text{ lgdogf}]$   
A077948 21.4008  $[1/(2x^3-x^2-x+1) \text{ ogf}]$   
A077948 29.9012  $-(-1-2x+6x^2)/(-x^2+1-x+2x^3) \text{ lgdogf}$



A077948 7.83423 [ $\{a(n+3)-a(n+2)-a(n+1)+2a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A077949 15.7110 [ $-(-6x^2-1)/(-2x^3-x+1)$  lgdogf]  
A077949 28.1715 [ $-1/(2x^3+x-1)$  ogf]  
A077949 34.8835 [ $-(1+6x^2)/(-1+x+2x^3)$  lgdogf]  
A077949 8.69121 [ $\{-a(n+3)+a(n+2)+2a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
A077950 16.6593 [ $-(6x^2-1)/(2x^3-x+1)$  lgdogf]  
A077950 26.2510 [ $1/(x+1)/(2x^2-2x+1)$  ogf]  
A077950 30.4286 [ $-(-1+6x^2)/(x+1)/(2x^2-2x+1)$  lgdogf]  
A077950 9.21579 [ $\{-a(n+3)+a(n+2)-2a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
A077951 13.6921 [ $-(6x^2-2x+1)/(2x^3-x^2+x-1)$  lgdogf]  
A077951 23.6836 [ $-1/(2x^3-x^2+x-1)$  ogf]  
A077951 27.8889 [ $-(1-2x+6x^2)/(-x^2-1+x+2x^3)$  lgdogf]  
A077951 7.89452 [ $\{a(n+3)-a(n+2)+a(n+1)-2a(n), a(0) = 1, a(1) = 1, a(2) = 0\}$ , ogf]  
A077952 13.3993 [ $-(6x^2+2x-1)/(2x^3+x^2-x+1)$  lgdogf]  
A077952 23.1771 [ $1/(2x^3+x^2-x+1)$  ogf]  
A077952 29.7256 [ $-(-1+2x+6x^2)/(x^2+1-x+2x^3)$  lgdogf]  
A077952 7.72571 [ $\{-a(n+3)+a(n+2)-a(n+1)-2a(n), a(0) = 1, a(1) = 1, a(2) = 0\}$ , ogf]  
A077953 13.6560 [ $-(-6x^2+4x-1)/(-2x^3+2x^2-x+1)$  lgdogf]  
A077953 23.6212 [ $-1/(x-1)/(2x^2+1)$  ogf]  
A077953 31.5712 [ $-(1-4x+6x^2)/(x-1)/(2x^2+1)$  lgdogf]  
A077953 7.80343 [ $\{a(n+3)-a(n+2)+2a(n+1)-2a(n), a(0) = 1, a(1) = 1, a(2) = -1\}$ , ogf]  
A077954 13.2642 [ $-(-3x^2+4x-1)/(-x^3+2x^2-x+1)$  lgdogf]  
A077954 22.9435 [ $-1/(x^3-2x^2+x-1)$  ogf]  
A077954 31.1658 [ $-(3x-1)*(x-1)/(x^3-2x^2+x-1)$  lgdogf]  
A077954 7.57954 [ $\{a(n+3)-a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = -1\}$ , ogf]  
A077955 13.3155 [ $-(3x^2+4x-1)/(x^3+2x^2-x+1)$  lgdogf]  
A077955 20.7851 [ $1/(x^3+2x^2-x+1)$  ogf]  
A077955 29.5397 [ $-(-1+4x+3x^2)/(2x^2+1-x+x^3)$  lgdogf]  
A077955 7.60883 [ $\{-a(n+3)+a(n+2)-2a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = -1\}$ , ogf]  
A077956 12.5610 [ $-(6x^2+4x-1)/(2x^3+2x^2-x+1)$  lgdogf]  
A077956 19.6075 [ $1/(2x^3+2x^2-x+1)$  ogf]  
A077956 26.0143 [ $-(-1+4x+6x^2)/(2x^3+2x^2-x+1)$  lgdogf]  
A077956 7.17774 [ $\{-a(n+3)+a(n+2)-2a(n+1)-2a(n), a(0) = 1, a(1) = 1, a(2) = -1\}$ , ogf]  
A077957 12.7067 [ $\{a(n+2)-2a(n), a(0) = 1, a(1) = 0\}$ , ogf]  
A077957 22.2368 [ $4x/(-2x^2+1)$  lgdogf]  
A077957 29.9186 [ $1/2*2^{(1/2)}*\operatorname{arcsinh}(2^{(1/2)}*x)$  revegef]  
A077957 32.0210 [ $-1/(2x^2-1)$  ogf]  
A077957 59.8371 [ $-4x/(-1+2x^2)$  lgdogf]  
A077958 20.1293 [ $6x^2/(-2x^3+1)$  lgdogf]  
A077958 28.9862 [ $-1/(2x^3-1)$  ogf]  
A077958 53.4089 [ $-6x^2/(-1+2x^3)$  lgdogf]  
A077958 9.79265 [ $\{a(n+3)-2a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , ogf]  
A077959 20.1293 [ $6x^2/(-2x^3-1)$  lgdogf]  
A077959 24.9881 [ $1/(2x^3+1)$  ogf]  
A077959 59.9439 [ $-6x^2/(1+2x^3)$  lgdogf]  
A077959 9.79265 [ $\{-a(n+3)-2a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , ogf]  
A077961 15.8656 [ $-(3x^2-2x)/(x^3-x^2-1)$  lgdogf]  
A077961 24.0128 [ $-1/(x^3-x^2-1)$  ogf]  
A077961 41.4552 [ $-x*(-2+3x)/(-1-x^2+x^3)$  lgdogf]  
A077961 9.55346 [ $\{a(n+3)+a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = -1\}$ , ogf]  
A077962 15.8656 [ $-(-3x^2-2x)/(-x^3-x^2-1)$  lgdogf]  
A077962 26.9234 [ $1/(x^3+x^2+1)$  ogf]  
A077962 45.4100 [ $-x*(2+3x)/(1+x^2+x^3)$  lgdogf]  
A077962 9.55346 [ $\{-a(n+3)-a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = -1\}$ , ogf]

A077963 15.1256  $[-(-6*x^2-2*x)/(-2*x^3-x^2-1) \text{ lgdogf}]$   
A077963 25.6677  $[1/(x+1)/(2*x^2-x+1) \text{ ogf}]$   
A077963 30.9295  $-2*x*(3*x+1)/(x+1)/(2*x^2-x+1) \text{ lgdogf}$   
A077963 9.10788  $[{-a(n+3)-a(n+1)-2*a(n), a(0) = 1, a(1) = 0, a(2) = -1}, \text{ ogf}]$   
A077964 14.5227  $[-(6*x^2-4*x)/(2*x^3-2*x^2-1) \text{ lgdogf}]$   
A077964 24.6446  $[ -1/(2*x^3-2*x^2-1) \text{ ogf}]$   
A077964 29.2134  $-2*x*(-2+3*x)/(-1-2*x^2+2*x^3) \text{ lgdogf}$   
A077964 8.74486  $[{a(n+3)+2*a(n+1)-2*a(n), a(0) = 1, a(1) = 0, a(2) = -2}, \text{ ogf}]$   
A077965 14.8665  $[-(3*x^2-4*x)/(x^3-2*x^2-1) \text{ lgdogf}]$   
A077965 22.5006  $[ -1/(x^3-2*x^2-1) \text{ ogf}]$   
A077965 34.6399  $-x*(-4+3*x)/(-1-2*x^2+x^3) \text{ lgdogf}$   
A077965 8.95185  $[{a(n+3)+2*a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = -2}, \text{ ogf}]$   
A077966 12.7067  $[{-a(n+2)-2*a(n), a(0) = 1, a(1) = 0}, \text{ ogf}]$   
A077966 22.2368  $[4*x/(-2*x^2-1) \text{ lgdogf}]$   
A077966 27.6043  $[ 1/(2*x^2+1) \text{ ogf}]$   
A077966 68.1543  $-4*x/(1+2*x^2) \text{ lgdogf}$   
A077967 14.8665  $[-(-3*x^2-4*x)/(-x^3-2*x^2-1) \text{ lgdogf}]$   
A077967 25.2279  $[ 1/(x^3+2*x^2+1) \text{ ogf}]$   
A077967 37.6842  $-x*(3*x+4)/(1+2*x^2+x^3) \text{ lgdogf}$   
A077967 8.95185  $[{-a(n+3)-2*a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = -2}, \text{ ogf}]$   
A077968 14.5227  $[-(-6*x^2-4*x)/(-2*x^3-2*x^2-1) \text{ lgdogf}]$   
A077968 21.9803  $[ 1/(2*x^3+2*x^2+1) \text{ ogf}]$   
A077968 31.4327  $-2*x*(2+3*x)/(1+2*x^2+2*x^3) \text{ lgdogf}$   
A077968 8.74486  $[{-a(n+3)-2*a(n+1)-2*a(n), a(0) = 1, a(1) = 0, a(2) = -2}, \text{ ogf}]$   
A077970 12.7841  $[-(6*x^2-4*x+1)/(2*x^3-2*x^2+x+1) \text{ lgdogf}]$   
A077970 22.1131  $[ 1/(2*x^3-2*x^2+x+1) \text{ ogf}]$   
A077970 26.0649  $-(1-4*x+6*x^2)/(-2*x^2+1+x+2*x^3) \text{ lgdogf}$   
A077970 7.30521  $[{a(n+3)+a(n+2)-2*a(n+1)+2*a(n), a(0) = 1, a(1) = -1, a(2) = 3}, \text{ ogf}]$   
A077971 13.7099  $[-(6*x^2+2*x-1)/(2*x^3+x^2-x-1) \text{ lgdogf}]$   
A077971 23.7144  $[ -1/(2*x^3+x^2-x-1) \text{ ogf}]$   
A077971 30.8658  $-(-1+2*x+6*x^2)/(x^2-1-x+2*x^3) \text{ lgdogf}$   
A077971 7.83423  $[{a(n+3)+a(n+2)-a(n+1)-2*a(n), a(0) = 1, a(1) = -1, a(2) = 2}, \text{ ogf}]$   
A077972 12.5548  $[-(-6*x^2+2*x-1)/(-2*x^3+x^2-x-1) \text{ lgdogf}]$   
A077972 19.5978  $[ 1/(2*x+1)/(x^2-x+1) \text{ ogf}]$   
A077972 26.5540  $-(1-2*x+6*x^2)/(1+2*x)/(x^2-x+1) \text{ lgdogf}$   
A077972 7.17419  $[{-a(n+3)-a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = -1, a(2) = 2}, \text{ ogf}]$   
A077973 16.6593  $[-(-6*x^2+1)/(-2*x^3+x+1) \text{ lgdogf}]$   
A077973 26.2510  $[ -1/(x-1)/(2*x^2+2*x+1) \text{ ogf}]$   
A077973 30.3044  $-(-1+6*x^2)/(x-1)/(2*x^2+2*x+1) \text{ lgdogf}$   
A077973 9.21579  $[{-a(n+3)-a(n+2)+2*a(n), a(0) = 1, a(1) = -1, a(2) = 1}, \text{ ogf}]$   
A077974 15.7110  $[-(6*x^2+1)/(2*x^3+x+1) \text{ lgdogf}]$   
A077974 24.7568  $[ 1/(2*x^3+x+1) \text{ ogf}]$   
A077974 39.6331  $-(1+6*x^2)/(1+x+2*x^3) \text{ lgdogf}$   
A077974 8.69121  $[{-a(n+3)-a(n+2)-2*a(n), a(0) = 1, a(1) = -1, a(2) = 1}, \text{ ogf}]$   
A077975 13.3993  $[-(6*x^2+2*x+1)/(-2*x^3+x^2+x+1) \text{ lgdogf}]$   
A077975 23.1771  $[ -1/(2*x^3-x^2-x-1) \text{ ogf}]$   
A077975 28.9142  $-(-1-2*x+6*x^2)/(-x^2-1-x+2*x^3) \text{ lgdogf}$   
A077975 7.72571  $[{-a(n+3)-a(n+2)-a(n+1)+2*a(n), a(0) = 1, a(1) = -1, a(2) = 0}, \text{ ogf}]$   
A077976 13.6921  $[-(-6*x^2-2*x-1)/(-2*x^3-x^2-x-1) \text{ lgdogf}]$   
A077976 23.6836  $[ 1/(2*x^3+x^2+x+1) \text{ ogf}]$   
A077976 32.0786  $-(1+2*x+6*x^2)/(x^2+1+x+2*x^3) \text{ lgdogf}$   
A077976 7.89452  $[{a(n+3)+a(n+2)+a(n+1)+2*a(n), a(0) = 1, a(1) = -1, a(2) = 0}, \text{ ogf}]$   
A077977 12.5610  $[-(-6*x^2+4*x+1)/(-2*x^3+2*x^2+x+1) \text{ lgdogf}]$   
A077977 21.7272  $[ -1/(2*x^3-2*x^2-x-1) \text{ ogf}]$   
A077977 25.3561  $-(-1-4*x+6*x^2)/(-2*x^2-1-x+2*x^3) \text{ lgdogf}$   
A077977 7.17774  $[{-a(n+3)-a(n+2)-2*a(n+1)+2*a(n), a(0) = 1, a(1) = -1, a(2) =$

-1}], ogf]  
A077978 13.3155  $[-(-3x^2+4x+1)/(-x^3+2x^2+x+1) \lg\text{dogf}]$   
A077978 23.0321  $[ -1/(x^3-2x^2-x-1) \text{ ogf}]$   
A077978 28.7333  $-(-1-4x+3x^2)/(-2x^2-1-x+x^3) \lg\text{dogf}$   
A077978 7.60883  $[{-a(n+3)-a(n+2)-2a(n+1)+a(n), a(0) = 1, a(1) = -1, a(2) = -1},$   
ogf]  
A077979 13.2642  $[-(3x^2+4x+1)/(x^3+2x^2+x+1) \lg\text{dogf}]$   
A077979 20.7051  $[ 1/(x^3+2x^2+x+1) \text{ ogf}]$   
A077979 31.0354  $-(x+1)*(3x+1)/(2x^2+1+x+x^3) \lg\text{dogf}$   
A077979 7.57954  $[{a(n+3)+a(n+2)+2a(n+1)+a(n), a(0) = 1, a(1) = -1, a(2) = -1},$   
ogf]  
A077980 13.6560  $[-(6x^2+4x+1)/(2x^3+2x^2+x+1) \lg\text{dogf}]$   
A077980 23.6212  $[ 1/(x+1)/(2x^2+1) \text{ ogf}]$   
A077980 31.6996  $-(1+4x+6x^2)/(x+1)/(2x^2+1) \lg\text{dogf}$   
A077980 7.80343  $[{a(n+3)+a(n+2)+2a(n+1)+2a(n), a(0) = 1, a(1) = -1, a(2) =$   
-1}], ogf]  
A077981 11.6916  $[-(6x^2+4x-2)/(2x^3+2x^2-2x-1) \lg\text{dogf}]$   
A077981 20.2234  $[ -1/(2x^3+2x^2-2x-1) \text{ ogf}]$   
A077981 21.8244  $-2*(x+1)*(3x-1)/(2x^2-1-2x+2x^3) \lg\text{dogf}$   
A077981 6.68093  $[{a(n+3)+2a(n+2)-2a(n+1)-2a(n), a(0) = 1, a(1) = -2, a(2) =$   
6}], ogf]  
A077983 11.9960  $[-(3x^2-4x+2)/(x^3-2x^2+2x+1) \lg\text{dogf}]$   
A077983 20.7498  $[ 1/(x^3-2x^2+2x+1) \text{ ogf}]$   
A077983 24.2854  $-(2-4x+3x^2)/(-2x^2+1+2x+x^3) \lg\text{dogf}$   
A077983 6.85486  $[{a(n+3)+2a(n+2)-2a(n+1)+a(n), a(0) = 1, a(1) = -2, a(2) = 6},$   
ogf]  
A077984 12.2065  $[-(6x^2-4x+2)/(2x^3-2x^2+2x+1) \lg\text{dogf}]$   
A077984 19.0540  $[ 1/(2x^3-2x^2+2x+1) \text{ ogf}]$   
A077984 22.0240  $-2*(1-2x+3x^2)/(-2x^2+1+2x+2x^3) \lg\text{dogf}$   
A077984 6.97512  $[{-a(n+3)-2a(n+2)+2a(n+1)-2a(n), a(0) = 1, a(1) = -2, a(2) =$   
6}], ogf]  
A077985 16.1684  $[-(2x-2)/(x^2-2x-1) \lg\text{dogf}]$   
A077985 23.9369  $1/2/x*(-1+2x+(1-4x+8x^2)^{(1/2)}) \text{ revogf}$   
A077985 26.7614  $[ -1/(x^2-2x-1) \text{ ogf}]$   
A077985 40.6928  $-2*(x-1)/(x^2-1-2x) \lg\text{dogf}$   
A077985 9.46441  $[{a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = -2}, \text{ ogf}]$   
A077986 11.7979  $[-(3x^2-2x+2)/(x^3-x^2+2x+1) \lg\text{dogf}]$   
A077986 18.4162  $[ 1/(x^3-x^2+2x+1) \text{ ogf}]$   
A077986 6.74166  $[{-a(n+3)-2a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = -2, a(2) = 5},$   
ogf]  
A077987 12.1699  $[-(-6x^2+2x-2)/(-2x^3+x^2-2x-1) \lg\text{dogf}]$   
A077987 18.9970  $[ 1/(2x^3-x^2+2x+1) \text{ ogf}]$   
A077987 24.7360  $-2*(1-x+3x^2)/(-x^2+1+2x+2x^3) \lg\text{dogf}$   
A077987 6.95424  $[{-a(n+3)-2a(n+2)+a(n+1)-2a(n), a(0) = 1, a(1) = -2, a(2) =$   
5}], ogf]  
A077988 15.8851  $[-(-6x^2+2)/(-2x^3+2x+1) \lg\text{dogf}]$   
A077988 25.0311  $[ -1/(2x^3-2x-1) \text{ ogf}]$   
A077988 31.7702  $-2*(-1+3x^2)/(-1-2x+2x^3) \lg\text{dogf}$   
A077988 8.78750  $[{-a(n+3)-2a(n+2)+2a(n), a(0) = 1, a(1) = -2, a(2) = 4}, \text{ ogf}]$   
A077989 12.7652  $[-(-6x^2+2x+2)/(-2x^3+x^2+2x+1) \lg\text{dogf}]$   
A077989 22.0804  $[ -1/(2x^3-x^2-2x-1) \text{ ogf}]$   
A077989 25.5372  $-2*(-1-x+3x^2)/(-x^2-1-2x+2x^3) \lg\text{dogf}$   
A077989 7.29441  $[{-a(n+3)-2a(n+2)-a(n+1)+2a(n), a(0) = 1, a(1) = -2, a(2) =$   
3}], ogf]  
A077990 13.0673  $[-(-3x^2+2x+2)/(-x^3+x^2+2x+1) \lg\text{dogf}]$   
A077990 20.3977  $[ -1/(x^3-x^2-2x-1) \text{ ogf}]$   
A077990 28.2632  $-(-2-2x+3x^2)/(-x^2-1-2x+x^3) \lg\text{dogf}$   
A077990 7.46702  $[{-a(n+3)-2a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = -2, a(2) = 3},$   
ogf]  
A077991 13.0896  $[-(-6x^2+4x+2)/(-2x^3+2x^2+2x+1) \lg\text{dogf}]$   
A077991 22.6414  $[ -1/(2x^3-2x^2-2x-1) \text{ ogf}]$

A077991 24.1053  $-2*(3*x+1)*(x-1)/(-2*x^2-1-2*x+2*x^3)$  lgdogf  
A077991 7.47976  $[{-a(n+3)-2*a(n+2)-2*a(n+1)+2*a(n), a(0) = 1, a(1) = -2, a(2) = 2},$  ogf]  
A077992 12.7652  $[{-(-3*x^2+4*x+2)/(-x^3+2*x^2+2*x+1)}$  lgdogf]  
A077992 22.0804  $[ -1/(x^3-2*x^2-2*x-1)$  ogf]  
A077992 25.6449  $-(-2-4*x+3*x^2)/(-2*x^2-1-2*x+x^3)$  lgdogf  
A077992 7.29441  $[{-a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 1, a(1) = -2, a(2) = 2},$  ogf]  
A077993 13.1402  $[{-(-6*x^2-4*x-2)/(-2*x^3-2*x^2-2*x-1)}$  lgdogf]  
A077993 20.5116  $[ 1/(2*x^3+2*x^2+2*x+1)$  ogf]  
A077993 25.1254  $-2*(2*x+1+3*x^2)/(2*x^2+1+2*x+2*x^3)$  lgdogf  
A077993 7.50871  $[{-a(n+3)-2*a(n+2)-2*a(n+1)-2*a(n), a(0) = 1, a(1) = -2, a(2) = 2},$  ogf]  
A077994 4.13274  $[ (x-1)/(2*x^3+2*x^2+2*x-1)$  ogf]  
A077995 11.1484  $[{-(-2*x^3+x^2+4*x+1)/(-x^4-x^3+3*x-1)}$  lgdogf]  
A077995 15.1450  $[ (x-1)/(x^3+2*x^2+2*x-1)$  ogf]  
A077995 7.16681  $[{-a(n+3)+2*a(n+2)+2*a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 4},$  ogf]  
A077996 14.3749  $[ (x-1)/(2*x^3+x^2+2*x-1)$  ogf]  
A077996 16.6281  $-(-1-2*x+4*x^3-5*x^2)/(x-1)/(2*x^3+x^2+2*x-1)$  lgdogf  
A077996 6.80240  $[{a(n+3)-2*a(n+2)-a(n+1)-2*a(n), a(0) = 1, a(1) = 1, a(2) = 3},$  ogf]  
A077996 9.52336  $[{-(-4*x^3+5*x^2+2*x+1)/(-2*x^4+x^3-x^2+3*x-1)}$  lgdogf]  
A077997 10.9220  $[{-(-2*x^3+2*x^2+2*x+1)/(-x^4-x^2+3*x-1)}$  lgdogf]  
A077997 14.8374  $[ (x-1)/(x^3+x^2+2*x-1)$  ogf]  
A077997 17.9686  $-(-1-2*x+2*x^3-2*x^2)/(x-1)/(x^3+x^2+2*x-1)$  lgdogf  
A077997 7.02129  $[{a(n+3)-2*a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 3},$  ogf]  
A077998 10.0525  $[{- (2*x^3-4*x^2+2*x+1)/(x^4-2*x^3-x^2+3*x-1)}$  lgdogf]  
A077998 15.1735  $[ -(x-1)/(x^3-x^2-2*x+1)$  ogf]  
A077998 18.8146  $- (1+2*x+2*x^3-4*x^2)/(x-1)/(x^3-x^2-2*x+1)$  lgdogf  
A077998 7.18033  $[{-a(n+3)+2*a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 3},$  ogf]  
A077999 10.3060  $[{-(-4*x^3+6*x^2+1)/(-2*x^4+2*x^3-2*x^2+3*x-1)}$  lgdogf]  
A077999 17.4057  $[ (x-1)/(2*x^3+2*x-1)$  ogf]  
A077999 20.7944  $-(-1+4*x^3-6*x^2)/(x-1)/(2*x^3+2*x-1)$  lgdogf  
A077999 8.33252  $[{-a(n+3)+2*a(n+2)+2*a(n), a(0) = 1, a(1) = 1, a(2) = 2},$  ogf]  
A078000 4.33332  $[ (x-1)/(2*x-1)/(x^2+1)$  ogf]  
A078001 11.9113  $[{-(-2*x^3+2*x^2+2*x-1)/(-x^4+3*x^2-3*x+1)}$  lgdogf]  
A078001 16.1814  $[ -(x-1)/(x^3+x^2-2*x+1)$  ogf]  
A078001 21.9691  $- (1-2*x-2*x^2+2*x^3)/(x-1)/(x^3+x^2-2*x+1)$  lgdogf  
A078001 7.65728  $[{-a(n+3)+2*a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 1},$  ogf]  
A078002 10.5133  $[{-(-4*x^3+5*x^2+2*x-1)/(-2*x^4+x^3+3*x^2-3*x+1)}$  lgdogf]  
A078002 15.8692  $[ -(x-1)/(2*x^3+x^2-2*x+1)$  ogf]  
A078002 20.4565  $- (1-2*x-5*x^2+4*x^3)/(x-1)/(2*x^3+x^2-2*x+1)$  lgdogf  
A078002 7.50951  $[{a(n+3)-2*a(n+2)+a(n+1)+2*a(n), a(0) = 1, a(1) = 1, a(2) = 1},$  ogf]  
A078003 10.5957  $[{- (4*x^3-8*x^2+4*x-1)/(2*x^4-4*x^3+4*x^2-3*x+1)}$  lgdogf]  
A078003 15.9936  $[ (x-1)/(2*x^3-2*x^2+2*x-1)$  ogf]  
A078003 17.8743  $- (-1+4*x+4*x^3-8*x^2)/(x-1)/(2*x^3-2*x^2+2*x-1)$  lgdogf  
A078003 7.63657  $[{a(n+3)-2*a(n+2)+2*a(n+1)-2*a(n), a(0) = 1, a(1) = 1, a(2) = 0},$  ogf]  
A078004 10.0748  $[{- (2*x^3-x^2-4*x+1)/(x^4+x^3-4*x^2+3*x-1)}$  lgdogf]  
A078004 15.2072  $[ -(x-1)/(x^3+2*x^2-2*x+1)$  ogf]  
A078004 20.5857  $- (1-4*x-x^2+2*x^3)/(x-1)/(x^3+2*x^2-2*x+1)$  lgdogf  
A078004 7.26111  $[{-a(n+3)+2*a(n+2)-2*a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 0},$  ogf]  
A078005 11.5349  $[{- (4*x^3-4*x^2-4*x+1)/(2*x^4-4*x^2+3*x-1)}$  lgdogf]  
A078005 15.6700  $[ -(x-1)/(2*x^3+2*x^2-2*x+1)$  ogf]  
A078005 19.2321  $- (1-4*x-4*x^2+4*x^3)/(x-1)/(2*x^3+2*x^2-2*x+1)$  lgdogf

A078005 7.48209 [ $\{-a(n+3)+2*a(n+2)-2*a(n+1)-2*a(n), a(0) = 1, a(1) = 1, a(2) = 0\}$ , ogf]  
A078006 12.3423 [ $-(4*x^3-4*x^2-4*x)/(2*x^4-x^2-2*x+1)$  lgdogf]  
A078006 15.8354 [ $(x-1)/(2*x^3+2*x^2+x-1)$  ogf]  
A078006 21.2486  $-4*x*(-1-x+x^2)/(x-1)/(2*x^3+2*x^2+x-1)$  lgdogf  
A078006 7.56103 [ $\{a(n+3)-a(n+2)-2*a(n+1)-2*a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf]  
A078007 10.4399 [ $-(-2*x^3+x^2+4*x)/(-x^4-x^3+x^2+2*x-1)$  lgdogf]  
A078007 14.9704 [ $(x-1)/(x^3+2*x^2+x-1)$  ogf]  
A078007 21.1582  $-x*(-4+2*x^2-x)/(x-1)/(x^3+2*x^2+x-1)$  lgdogf  
A078007 7.14803 [ $\{-a(n+3)+a(n+2)+2*a(n+1)+a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf]  
A078008 12.9770 [ $-(-2*x^2+4*x)/(-2*x^3+x^2+2*x-1)$  lgdogf]  
A078008 17.3027 [ $(x-1)/(x+1)/(2*x-1)$  ogf]  
A078008 19.6912  $1/2/(-1+2*x)*(-1-x+(9*x^2-2*x+1)^(1/2))$  revogf  
A078008 25.5985  $-2*x*(x-2)/(x-1)/(2*x-1)/(x+1)$  lgdogf  
A078008 9.61262 [ $\{-a(n+2)+a(n+1)+2*a(n), a(0) = 1, a(1) = 0\}$ , ogf]  
A078009 10.5268  $-1/2*(-1+4*x+(1-12*x+16*x^2)^(1/2))/(1-12*x+16*x^2)^(1/2)/x$  lgdogf  
A078009 14.3923 [ $-(5*x^2-x)/(-4*x+1)$  revogf]  
A078009 36.5342  $x*(5*x-1)/(4*x-1)$  revogf  
A078010 11.2935 [ $-(4*x^3-5*x^2-2*x)/(2*x^4-x^3-2*x+1)$  lgdogf]  
A078010 14.4897 [ $(x-1)/(2*x-1)/(x^2+x+1)$  ogf]  
A078010 18.4705  $-x*(-2+4*x^2-5*x)/(x-1)/(2*x-1)/(x^2+x+1)$  lgdogf  
A078010 6.91852 [ $\{a(n+3)-a(n+2)-a(n+1)-2*a(n), a(0) = 1, a(1) = 0, a(2) = 1\}$ , ogf]  
A078011 12.5536 [ $-(4*x^3-7*x^2+2*x)/(2*x^4-3*x^3+2*x-1)$  lgdogf]  
A078011 16.1065 [ $-(x-1)/(2*x^3-x^2-x+1)$  ogf]  
A078011 24.9836  $-x*(2-7*x+4*x^2)/(x-1)/(2*x^3-x^2-x+1)$  lgdogf  
A078011 7.69047 [ $\{-a(n+3)+a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = 0, a(2) = 1\}$ , ogf]  
A078012 11.8178 [ $-(-2*x^3+3*x^2)/(-x^4+x^3-x^2+2*x-1)$  lgdogf]  
A078012 18.9085 [ $(x-1)/(x^3+x-1)$  ogf]  
A078012 30.1137  $-x^2*(2*x-3)/(x-1)/(x^3+x-1)$  lgdogf  
A078012 9.24873 [ $\{-a(n+3)+a(n+2)+a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , ogf]  
A078013 12.6585 [ $-(-2*x^3+3*x^2)/(-x^4+x^3+x^2-2*x+1)$  lgdogf]  
A078013 20.2536 [ $-(x-1)/(x^3-x+1)$  ogf]  
A078013 37.0714  $-x^2*(2*x-3)/(x-1)/(x^3-x+1)$  lgdogf  
A078013 9.90667 [ $\{-a(n+3)+a(n+2)-a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , ogf]  
A078014 11.7643 [ $-(-4*x^3+6*x^2)/(-2*x^4+2*x^3+x^2-2*x+1)$  lgdogf]  
A078014 18.8230 [ $-(x-1)/(x+1)/(2*x^2-2*x+1)$  ogf]  
A078014 23.1972  $-2*x^2*(2*x-3)/(x-1)/(x+1)/(2*x^2-2*x+1)$  lgdogf  
A078014 9.20688 [ $\{-a(n+3)+a(n+2)-2*a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , ogf]  
A078015 11.2818 [ $-(-4*x^3+7*x^2-2*x)/(-2*x^4+3*x^3-2*x^2+2*x-1)$  lgdogf]  
A078015 16.1777 [ $(x-1)/(2*x^3-x^2+x-1)$  ogf]  
A078015 22.7716  $-x*(2+4*x^2-7*x)/(x-1)/(2*x^3-x^2+x-1)$  lgdogf  
A078015 7.72450 [ $\{a(n+3)-a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = 0, a(2) = -1\}$ , ogf]  
A078016 12.4195 [ $-(-2*x^3+2*x^2+2*x)/(-x^4+2*x^2-2*x+1)$  lgdogf]  
A078016 15.9344 [ $-(x-1)/(x^3+x^2-x+1)$  ogf]  
A078016 26.3532  $-2*x*(-1-x+x^2)/(x-1)/(x^3+x^2-x+1)$  lgdogf  
A078016 7.60833 [ $\{-a(n+3)+a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = -1\}$ , ogf]  
A078017 10.7704 [ $-(-4*x^3+5*x^2+2*x)/(-2*x^4+x^3+2*x^2-2*x+1)$  lgdogf]  
A078017 15.4443 [ $-(x-1)/(2*x^3+x^2-x+1)$  ogf]  
A078017 22.7135  $-x*(-2-5*x+4*x^2)/(x-1)/(2*x^3+x^2-x+1)$  lgdogf  
A078017 7.37432 [ $\{-a(n+3)+a(n+2)-a(n+1)-2*a(n), a(0) = 1, a(1) = 0, a(2) = -1\}$ , ogf]  
A078018 13.3446 [ $-(6*x^2-x)/(-5*x+1)$  revogf]  
A078018 31.9545  $x*(-1+6*x)/(5*x-1)$  revogf  
A078018 9.91690  $-1/2*(5*x-1+(1-14*x+25*x^2)^(1/2))/(1-14*x+25*x^2)^(1/2)/x$

lgdogf  
A078019 11.5886  $[-(2*x^3-5*x^2+4*x)/(x^4-3*x^3+3*x^2-2*x+1) \text{ lgdogf}]$   
A078019 16.6175  $[(x-1)/(x^3-2*x^2+x-1) \text{ ogf}]$   
A078019 25.4534  $-x*(4-5*x+2*x^2)/(x-1)/(x^3-2*x^2+x-1) \text{ lgdogf}$   
A078019 7.93450  $[{-a(n+3)+a(n+2)-2*a(n+1)+a(n), a(0) = 1, a(1) = 0, a(2) = -2}, \text{ ogf}]$   
A078020 10.7424  $[{-a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = 0}, \text{ ogf}]$   
A078020 14.5022  $[{-(-2*x^2+4*x)/(-2*x^3+3*x^2-2*x+1) \text{ lgdogf}]$   
A078020 19.3363  $[-(x-1)/(2*x^2-x+1) \text{ ogf}]$   
A078020 24.1868  $-1/2*(-1-x+(1-2*x-7*x^2)^{(1/2)})/(2*x+1) \text{ revogf}$   
A078020 33.6888  $-2*x*(x-2)/(x-1)/(2*x^2-x+1) \text{ lgdogf}$   
A078021 11.1638  $[{-(-2*x^3+x^2+4*x)/(-x^4-x^3+3*x^2-2*x+1) \text{ lgdogf}]$   
A078021 16.0085  $[-(x-1)/(x^3+2*x^2-x+1) \text{ ogf}]$   
A078021 24.6484  $-x*(-4-x+2*x^2)/(x-1)/(x^3+2*x^2-x+1) \text{ lgdogf}$   
A078021 7.64370  $[{-a(n+3)+a(n+2)-2*a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = -2}, \text{ ogf}]$   
A078022 11.6082  $[{-(-4*x^3+4*x^2+4*x)/(-2*x^4+3*x^2-2*x+1) \text{ lgdogf}]$   
A078022 14.8935  $[-(x-1)/(2*x^3+2*x^2-x+1) \text{ ogf}]$   
A078022 7.11132  $[{-a(n+3)+a(n+2)-2*a(n+1)-2*a(n), a(0) = 1, a(1) = 0, a(2) = -2}, \text{ ogf}]$   
A078023 11.0416  $[{-(-4*x^3+4*x^2+4*x-1)/(-2*x^4+2*x^2+x-1) \text{ lgdogf}]$   
A078023 16.2243  $[(x-1)/(2*x^3+2*x^2-1) \text{ ogf}]$   
A078023 18.7539  $-(1-4*x+4*x^3-4*x^2)/(x-1)/(2*x^3+2*x^2-1) \text{ lgdogf}$   
A078023 8.45737  $[{a(n+3)-2*a(n+1)-2*a(n), a(0) = 1, a(1) = -1, a(2) = 2}, \text{ ogf}]$   
A078024 10.6724  $[-(2*x^3-x^2-4*x+1)/(x^4+x^3-2*x^2-x+1) \text{ lgdogf}]$   
A078024 17.4243  $[(x-1)/(x+1)/(x^2+x-1) \text{ ogf}]$   
A078024 21.2508  $-(1-4*x+2*x^3-x^2)/(x-1)/(x+1)/(x^2+x-1) \text{ lgdogf}$   
A078024 9.08289  $[{a(n+3)-2*a(n+1)-a(n), a(0) = 1, a(1) = -1, a(2) = 2}, \text{ ogf}]$   
A078025 16.2123  $[-(x-1)/(2*x^3-2*x^2+1) \text{ ogf}]$   
A078025 8.45109  $[{-a(n+3)+2*a(n+1)-2*a(n), a(0) = 1, a(1) = -1, a(2) = 2}, \text{ ogf}]$   
A078025 9.93002  $[{-(-4*x^3+8*x^2-4*x+1)/(-2*x^4+4*x^3-2*x^2-x+1) \text{ lgdogf}]$   
A078026 10.3256  $[{-(-4*x^3+5*x^2+2*x-1)/(-2*x^4+x^3+x^2+x-1) \text{ lgdogf}]$   
A078026 16.8581  $[(x-1)/(2*x^3+x^2-1) \text{ ogf}]$   
A078026 20.4608  $-(1-2*x+4*x^3-5*x^2)/(x-1)/(2*x^3+x^2-1) \text{ lgdogf}$   
A078026 8.78771  $[{-a(n+3)+a(n+1)+2*a(n), a(0) = 1, a(1) = -1, a(2) = 1}, \text{ ogf}]$   
A078027 11.7453  $[{-(-2*x^3+2*x^2+2*x-1)/(-x^4+x^2+x-1) \text{ lgdogf}]$   
A078027 17.2584  $[(x-1)/(x^3+x^2-1) \text{ ogf}]$   
A078027 22.2543  $-(1-2*x+2*x^3-2*x^2)/(x-1)/(x^3+x^2-1) \text{ lgdogf}$   
A078027 8.99643  $[{a(n+3)-a(n+1)-a(n), a(0) = 1, a(1) = -1, a(2) = 1}, \text{ ogf}]$   
A078028 10.6254  $[{-(-4*x^3+7*x^2-2*x+1)/(-2*x^4+3*x^3-x^2-x+1) \text{ lgdogf}]$   
A078028 17.3476  $[-(x-1)/(2*x^3-x^2+1) \text{ ogf}]$   
A078028 22.2920  $[{-(-1+2*x-7*x^2+4*x^3)/(x-1)/(2*x^3-x^2+1) \text{ lgdogf}]$   
A078028 9.04288  $[{-a(n+3)+a(n+1)-2*a(n), a(0) = 1, a(1) = -1, a(2) = 1}, \text{ ogf}]$   
A078029 10.8637  $[{-a(n+3)+2*a(n), a(0) = 1, a(1) = -1, a(2) = 0}, \text{ ogf}]$   
A078029 11.9820  $[-(4*x^3-6*x^2+1)/(2*x^4-2*x^3-x+1) \text{ lgdogf}]$   
A078029 19.8725  $[(x-1)/(2*x^3-1) \text{ ogf}]$   
A078029 25.3203  $-(2*x-1)*(2*x^2-2*x-1)/(x-1)/(2*x^3-1) \text{ lgdogf}$   
A078030 10.8637  $[{a(n+3)+2*a(n), a(0) = 1, a(1) = -1, a(2) = 0}, \text{ ogf}]$   
A078030 11.9820  $[-(4*x^3-6*x^2-1)/(2*x^4-2*x^3+x-1) \text{ lgdogf}]$   
A078030 19.8725  $[-(x-1)/(2*x^3+1) \text{ ogf}]$   
A078030 29.1567  $[{-(-1-6*x^2+4*x^3)/(x-1)/(2*x^3+1) \text{ lgdogf}]$   
A078031 11.2132  $[-(2*x^3-4*x^2+2*x+1)/(x^4-2*x^3+x^2-x+1) \text{ lgdogf}]$   
A078031 18.3073  $[(x-1)/(x^3-x^2-1) \text{ ogf}]$   
A078031 26.3967  $-(1+2*x-4*x^2+2*x^3)/(x-1)/(x^3-x^2-1) \text{ lgdogf}$   
A078031 9.54318  $[{a(n+3)+a(n+1)-a(n), a(0) = 1, a(1) = -1, a(2) = -1}, \text{ ogf}]$   
A078032 12.3459  $[-(2*x^3-2*x^2-2*x-1)/(x^4-x^2+x-1) \text{ lgdogf}]$   
A078032 18.1409  $[-(x-1)/(x^3+x^2+1) \text{ ogf}]$   
A078032 26.0748  $-(2*x^3-2*x^2-2*x-1)/(x-1)/(x^3+x^2+1) \text{ lgdogf}$   
A078032 9.45643  $[{a(n+3)+a(n+1)+a(n), a(0) = 1, a(1) = -1, a(2) = -1}, \text{ ogf}]$   
A078033 10.6360  $[-(4*x^3-5*x^2-2*x-1)/(2*x^4-x^3-x^2+x-1) \text{ lgdogf}]$   
A078033 17.3650  $[-(x-1)/(x+1)/(2*x^2-x+1) \text{ ogf}]$

A078033 20.6197  $-( -1 - 2x - 5x^2 + 4x^3 ) / (x-1) / (x+1) / (2x^2 - x + 1)$  lgdogf  
A078033 9.05195  $[ \{ a(n+3) + a(n+1) + 2a(n), a(0) = 1, a(1) = -1, a(2) = -1 \},$  ogf]  
A078034 10.4908  $[ -(4x^3 - 8x^2 + 4x + 1) / (2x^4 - 4x^3 + 2x^2 - x + 1)$  lgdogf]  
A078034 17.1279  $[ (x-1) / (2x^3 - 2x^2 - 1)$  ogf]  
A078034 21.4857  $-(1 + 4x - 8x^2 + 4x^3) / (x-1) / (2x^3 - 2x^2 - 1)$  lgdogf  
A078034 8.92837  $[ \{ a(n+3) + 2a(n+1) - 2a(n), a(0) = 1, a(1) = -1, a(2) = -2 \},$  ogf]  
A078035 10.5011  $[ -(2x^3 - 5x^2 + 4x + 1) / (x^4 - 3x^3 + 2x^2 - x + 1)$  lgdogf]  
A078035 17.1447  $[ (x-1) / (x^3 - 2x^2 - 1)$  ogf]  
A078035 22.7997  $-(1 + 4x - 5x^2 + 2x^3) / (x-1) / (x^3 - 2x^2 - 1)$  lgdogf  
A078035 8.93713  $[ \{ a(n+3) + 2a(n+1) - a(n), a(0) = 1, a(1) = -1, a(2) = -2 \},$  ogf]  
A078036 10.5484  $[ -(2x^3 - x^2 - 4x - 1) / (x^4 + x^3 - 2x^2 + x - 1)$  lgdogf]  
A078036 17.2219  $[ -(x-1) / (x^3 + 2x^2 + 1)$  ogf]  
A078036 22.7997  $-(x+1) * (2x^2 - 3x - 1) / (x-1) / (x^3 + 2x^2 + 1)$  lgdogf  
A078036 8.97738  $[ \{ a(n+3) + 2a(n+1) + a(n), a(0) = 1, a(1) = -1, a(2) = -2 \},$  ogf]  
A078037 11.4502  $[ -(4x^3 - 4x^2 - 4x - 1) / (2x^4 - 2x^2 + x - 1)$  lgdogf]  
A078037 16.8248  $[ -(x-1) / (2x^3 + 2x^2 + 1)$  ogf]  
A078037 20.7269  $-( -1 - 4x - 4x^2 + 4x^3 ) / (x-1) / (2x^3 + 2x^2 + 1)$  lgdogf  
A078037 8.77035  $[ \{ a(n+3) + 2a(n+1) + 2a(n), a(0) = 1, a(1) = -1, a(2) = -2 \},$  ogf]  
A078038 11.0228  $[ -( -2x^3 + x^2 + 4x - 2 ) / ( -x^4 - x^3 + 3x^2 - 1 )$  lgdogf]  
A078038 15.8063  $[ (x-1) / (x^3 + 2x^2 - x - 1)$  ogf]  
A078038 23.3760  $-(2x-1) * (x^2 - 2) / (x-1) / (x^3 + 2x^2 - x - 1)$  lgdogf  
A078038 7.47976  $[ \{ a(n+3) + a(n+2) - 2a(n+1) - a(n), a(0) = 1, a(1) = -2, a(2) = 4 \},$  ogf]  
A078039 10.9503  $[ -( -2x^3 + 5x^2 - 4x + 2 ) / ( -x^4 + 3x^3 - 3x^2 + 1 )$  lgdogf]  
A078039 15.7023  $[ -(x-1) / (x^3 - 2x^2 + x + 1)$  ogf]  
A078039 20.4201  $-( -2 + 4x - 5x^2 + 2x^3 ) / (x-1) / (x^3 - 2x^2 + x + 1)$  lgdogf  
A078039 7.43054  $[ \{ -a(n+3) - a(n+2) + 2a(n+1) - a(n), a(0) = 1, a(1) = -2, a(2) = 4 \},$  ogf]  
A078040 10.3060  $[ -( -4x^3 + 8x^2 - 4x + 2 ) / ( -2x^4 + 4x^3 - 3x^2 + 1 )$  lgdogf]  
A078040 14.7784  $[ -(x-1) / (2x^3 - 2x^2 + x + 1)$  ogf]  
A078040 17.5499  $-2 * ( -1 + 2x - 4x^2 + 2x^3 ) / (x-1) / (2x^3 - 2x^2 + x + 1)$  lgdogf  
A078040 6.99337  $[ \{ -a(n+3) - a(n+2) + 2a(n+1) - 2a(n), a(0) = 1, a(1) = -2, a(2) = 4 \},$  ogf]  
A078041 11.3816  $[ -( -4x^3 + 5x^2 + 2x - 2 ) / ( -2x^4 + x^3 + 2x^2 - 1 )$  lgdogf]  
A078041 16.3208  $[ (x-1) / (2x^3 + x^2 - x - 1)$  ogf]  
A078041 22.5612  $-(2 - 2x - 5x^2 + 4x^3) / (x-1) / (x^2 - 1 - x + 2x^3)$  lgdogf  
A078041 7.72324  $[ \{ -a(n+3) - a(n+2) + a(n+1) + 2a(n), a(0) = 1, a(1) = -2, a(2) = 3 \},$  ogf]  
A078042 11.1653  $[ -( -2x^3 + 4x^2 - 2x + 2 ) / ( -x^4 + 2x^3 - 2x^2 + 1 )$  lgdogf]  
A078042 16.0107  $[ -(x-1) / (x^3 - x^2 + x + 1)$  ogf]  
A078042 23.0543  $-2 * ( -1 + x - 2x^2 + x^3 ) / (x-1) / (x^3 - x^2 + x + 1)$  lgdogf  
A078042 7.57648  $[ \{ -a(n+3) - a(n+2) + a(n+1) - a(n), a(0) = 1, a(1) = -2, a(2) = 3 \},$  ogf]  
A078043 10.2543  $[ -(4x^3 - 7x^2 + 2x - 2) / (2x^4 - 3x^3 + 2x^2 - 1)$  lgdogf]  
A078043 14.7043  $[ -(x-1) / (2x+1) / (x^2 - x + 1)$  ogf]  
A078043 6.95827  $[ \{ -a(n+3) - a(n+2) + a(n+1) - 2a(n), a(0) = 1, a(1) = -2, a(2) = 3 \},$  ogf]  
A078044 11.1149  $[ -( -4x^3 + 6x^2 + 2 ) / ( -2x^4 + 2x^3 - x^2 + 1 )$  lgdogf]  
A078044 17.7838  $[ -(x-1) / (2x^3 + x + 1)$  ogf]  
A078044 23.1036  $-2 * ( -1 - 3x^2 + 2x^3 ) / (x-1) / (2x^3 + x + 1)$  lgdogf  
A078044 8.51351  $[ \{ -a(n+3) - a(n+2) - 2a(n), a(0) = 1, a(1) = -2, a(2) = 2 \},$  ogf]  
A078045 12.0145  $[ -(4x^3 - 7x^2 + 2x + 2) / (2x^4 - 3x^3 + 1)$  lgdogf]  
A078045 15.4148  $[ (x-1) / (2x^3 - x^2 - x - 1)$  ogf]  
A078045 20.7783  $-(2 + 2x - 7x^2 + 4x^3) / (x-1) / (2x^3 - x^2 - x - 1)$  lgdogf  
A078045 7.29451  $[ \{ a(n+3) + a(n+2) + a(n+1) - 2a(n), a(0) = 1, a(1) = -2, a(2) = 1 \},$  ogf]  
A078046 12.6383  $[ -(2x^3 - 4x^2 + 2x + 2) / (x^4 - 2x^3 + 1)$  lgdogf]  
A078046 16.2152  $[ (x-1) / (x^3 - x^2 - x - 1)$  ogf]  
A078046 24.6534  $-2 * (1 + x - 2x^2 + x^3) / (x-1) / (x^3 - x^2 - x - 1)$  lgdogf  
A078046 7.67327  $[ \{ a(n+3) + a(n+2) + a(n+1) - a(n), a(0) = 1, a(1) = -2, a(2) = 1 \},$  ogf]

A078047 12.5814  $[-(4*x^3-5*x^2-2*x-2)/(2*x^4-x^3-1) \text{ lgdogf}]$   
A078047 16.1422  $[-(x-1)/(2*x^3+x^2+x+1) \text{ ogf}]$   
A078047 21.6967  $[-(-2-2*x-5*x^2+4*x^3)/(x-1)/(2*x^3+x^2+x+1) \text{ lgdogf}]$   
A078047 7.63871  $[{a(n+3)+a(n+2)+a(n+1)+2*a(n), a(0) = 1, a(1) = -2, a(2) = 1}, \text{ ogf}]$   
A078048 10.2626  $[-(4*x^3-8*x^2+4*x+2)/(2*x^4-4*x^3+x^2+1) \text{ lgdogf}]$   
A078048 14.7162  $[(x-1)/(2*x^3-2*x^2-x-1) \text{ ogf}]$   
A078048 18.4471  $-2*(1+2*x-4*x^2+2*x^3)/(x-1)/(2*x^3-2*x^2-x-1) \text{ lgdogf}]$   
A078048 7.02666  $[{a(n+3)+a(n+2)+2*a(n+1)-2*a(n), a(0) = 1, a(1) = -2, a(2) = 0}, \text{ ogf}]$   
A078049 11.0430  $[-(2*x^3-5*x^2+4*x+2)/(x^4-3*x^3+x^2+1) \text{ lgdogf}]$   
A078049 15.8352  $[(x-1)/(x^3-2*x^2-x-1) \text{ ogf}]$   
A078049 21.5741  $[-(2+4*x-5*x^2+2*x^3)/(x-1)/(x^3-2*x^2-x-1) \text{ lgdogf}]$   
A078049 7.56096  $[{a(n+3)+a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = -2, a(2) = 0}, \text{ ogf}]$   
A078050 10.3653  $[{-a(n+2)-a(n+1)-2*a(n), a(0) = 1, a(1) = -2}, \text{ ogf}]$   
A078050 14.1660  $[-(-2*x^2+4*x+2)/(-2*x^3+x^2+1) \text{ lgdogf}]$   
A078050 18.8880  $[-(x-1)/(2*x^2+x+1) \text{ ogf}]$   
A078050 22.6917  $-1/2*(x-1+(-(1+x)*(7*x-1))^(1/2))/(2*x+1) \text{ revogf}]$   
A078050 28.1927  $-2*(-1-2*x+x^2)/(x-1)/(1+x+2*x^2) \text{ lgdogf}]$   
A078051 11.4272  $[-(-2*x^3+x^2+4*x+2)/(-x^4-x^3+x^2+1) \text{ lgdogf}]$   
A078051 16.3862  $[-(x-1)/(x^3+2*x^2+x+1) \text{ ogf}]$   
A078051 23.2813  $[-(-2-4*x-x^2+2*x^3)/(x-1)/(x^3+2*x^2+x+1) \text{ lgdogf}]$   
A078051 7.82404  $[{a(n+3)+a(n+2)+2*a(n+1)+a(n), a(0) = 1, a(1) = -2, a(2) = 0}, \text{ ogf}]$   
A078052 12.7961  $[-(-4*x^3+4*x^2+4*x+2)/(-2*x^4+x^2+1) \text{ lgdogf}]$   
A078052 16.4176  $[-(x-1)/(x+1)/(2*x^2+1) \text{ ogf}]$   
A078052 21.0475  $-2*(-1-2*x-2*x^2+2*x^3)/(x-1)/(x+1)/(2*x^2+1) \text{ lgdogf}]$   
A078052 7.83905  $[{-a(n+3)-a(n+2)-2*a(n+1)-2*a(n), a(0) = 1, a(1) = -2, a(2) = 0}, \text{ ogf}]$   
A078053 10.5815  $[-(-4*x^3+4*x^2+4*x-3)/(-2*x^4+4*x^2-x-1) \text{ lgdogf}]$   
A078053 14.3749  $[(x-1)/(2*x^3+2*x^2-2*x-1) \text{ ogf}]$   
A078053 17.3757  $[-(3-4*x-4*x^2+4*x^3)/(x-1)/(2*x^3+2*x^2-2*x-1) \text{ lgdogf}]$   
A078053 6.80240  $[{a(n+3)+2*a(n+2)-2*a(n+1)-2*a(n), a(0) = 1, a(1) = -3, a(2) = 8}, \text{ ogf}]$   
A078054 14.6128  $[-(x-1)/(x^3-2*x^2+2*x+1) \text{ ogf}]$   
A078054 17.9589  $[-(-3+4*x-5*x^2+2*x^3)/(x-1)/(x^3-2*x^2+2*x+1) \text{ lgdogf}]$   
A078054 6.91499  $[{-a(n+3)-2*a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = -3, a(2) = 8}, \text{ ogf}]$   
A078054 9.68099  $[-(2*x^3-5*x^2+4*x-3)/(x^4-3*x^3+4*x^2-x-1) \text{ lgdogf}]$   
A078055 14.9940  $[-(x-1)/(2*x^3-2*x^2+2*x+1) \text{ ogf}]$   
A078055 17.6246  $[-(-3+4*x-8*x^2+4*x^3)/(x-1)/(2*x^3-2*x^2+2*x+1) \text{ lgdogf}]$   
A078055 7.09538  $[{-a(n+3)-2*a(n+2)+2*a(n+1)-2*a(n), a(0) = 1, a(1) = -3, a(2) = 8}, \text{ ogf}]$   
A078055 9.93354  $[-(4*x^3-8*x^2+4*x-3)/(2*x^4-4*x^3+4*x^2-x-1) \text{ lgdogf}]$   
A078056 11.0711  $[-(2*x^3-2*x^2-2*x+3)/(x^4-3*x^2+x+1) \text{ lgdogf}]$   
A078056 15.0400  $[(x-1)/(x^3+x^2-2*x-1) \text{ ogf}]$   
A078056 19.9693  $[-(3-2*x-2*x^2+2*x^3)/(x-1)/(x^3+x^2-2*x-1) \text{ lgdogf}]$   
A078056 7.11714  $[{-a(n+3)-2*a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = -3, a(2) = 7}, \text{ ogf}]$   
A078057 10.2704  $[{a(n+2)-2*a(n+1)-a(n), a(0) = 1, a(1) = 3}, \text{ ogf}]$   
A078057 13.1590  $[-(-x^2-2*x-3)/(-x^3-3*x^2-x+1) \text{ lgdogf}]$   
A078057 18.7150  $[-(x+1)/(x^2+2*x-1) \text{ ogf}]$   
A078057 21.7977  $1/2/(1+x)*(-2*x-1+(8*x^2+8*x+1)^(1/2)) \text{ revogf}]$   
A078057 27.6104  $-(3+2*x+x^2)/(x+1)/(x^2+2*x-1) \text{ lgdogf}]$   
A078058 14.5032  $[-(x-1)/(x^3-x^2+2*x+1) \text{ ogf}]$   
A078058 18.7461  $[-(-3+2*x-4*x^2+2*x^3)/(x-1)/(x^3-x^2+2*x+1) \text{ lgdogf}]$   
A078058 6.86313  $[{-a(n+3)-2*a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = -3, a(2) = 7}, \text{ ogf}]$   
A078058 9.60839  $[-(-2*x^3+4*x^2-2*x+3)/(-x^4+2*x^3-3*x^2+x+1) \text{ lgdogf}]$   
A078059 14.9525  $[-(x-1)/(2*x^3-x^2+2*x+1) \text{ ogf}]$



A078059 18.4421  $-( -3+2*x-7*x^2+4*x^3)/(x-1)/(2*x^3-x^2+2*x+1)$  lgdogf  
A078059 7.07571  $[ \{-a(n+3)-2*a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = -3, a(2) = 7\},$  ogf]  
A078059 9.90600  $[ -( -4*x^3+7*x^2-2*x+3)/( -2*x^4+3*x^3-3*x^2+x+1)$  lgdogf]  
A078060 10.5813  $[ -(4*x^3-6*x^2+3)/(2*x^4-2*x^3-2*x^2+x+1)$  lgdogf]  
A078060 17.8706  $[ (x-1)/(2*x^3-2*x-1)$  ogf]  
A078060 8.55506  $[ \{a(n+3)+2*a(n+2)-2*a(n), a(0) = 1, a(1) = -3, a(2) = 6\},$  ogf]  
A078061 10.9036  $[ -( -2*x^3+3*x^2+3)/( -x^4+x^3-2*x^2+x+1)$  lgdogf]  
A078061 18.4150  $[ -(x-1)/(x^3+2*x+1)$  ogf]  
A078061 24.8752  $-( -3-3*x^2+2*x^3)/(x-1)/(x^3+2*x+1)$  lgdogf  
A078061 8.81567  $[ \{a(n+3)+2*a(n+2)+a(n), a(0) = 1, a(1) = -3, a(2) = 6\},$  ogf]  
A078062 10.1664  $[ -( -4*x^3+6*x^2+3)/( -2*x^4+2*x^3-2*x^2+x+1)$  lgdogf]  
A078062 17.1700  $[ -(x-1)/(2*x^3+2*x+1)$  ogf]  
A078062 21.9033  $-( -3-6*x^2+4*x^3)/(x-1)/(2*x^3+2*x+1)$  lgdogf  
A078062 8.21966  $[ \{a(n+3)+2*a(n+2)+2*a(n), a(0) = 1, a(1) = -3, a(2) = 6\},$  ogf]  
A078063 15.0308  $[ (x-1)/(2*x^3-x^2-2*x-1)$  ogf]  
A078063 19.4280  $-(3+2*x-7*x^2+4*x^3)/(x-1)/(2*x^3-x^2-2*x-1)$  lgdogf  
A078063 7.11279  $[ \{a(n+3)+2*a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = -3, a(2) = 5\},$  ogf]  
A078063 9.95790  $[ -( -4*x^3+7*x^2-2*x-3)/( -2*x^4+3*x^3+x^2-x-1)$  lgdogf]  
A078064 10.0450  $[ -( -2*x^3+4*x^2-2*x-3)/( -x^4+2*x^3+x^2-x-1)$  lgdogf]  
A078064 15.1622  $[ (x-1)/(x^3-x^2-2*x-1)$  ogf]  
A078064 7.17499  $[ \{-a(n+3)-2*a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = -3, a(2) = 5\},$  ogf]  
A078065 11.4346  $[ -( -2*x^3+2*x^2+2*x+3)/( -x^4-x^2+x+1)$  lgdogf]  
A078065 15.5338  $[ -(x-1)/(x^3+x^2+2*x+1)$  ogf]  
A078065 20.3219  $-( -3-2*x-2*x^2+2*x^3)/(x-1)/(x^3+x^2+2*x+1)$  lgdogf  
A078065 7.35080  $[ \{-a(n+3)-2*a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = -3, a(2) = 5\},$  ogf]  
A078066 15.0369  $[ -(x-1)/(2*x+1)/(x^2+1)$  ogf]  
A078066 19.6000  $-( -3-2*x-5*x^2+4*x^3)/(x-1)/(1+2*x)/(1+x^2)$  lgdogf  
A078066 7.11569  $[ \{a(n+3)+2*a(n+2)+a(n+1)+2*a(n), a(0) = 1, a(1) = -3, a(2) = 5\},$  ogf]  
A078066 9.96196  $[ -( -4*x^3+5*x^2+2*x+3)/( -2*x^4+x^3-x^2+x+1)$  lgdogf]  
A078067 11.0990  $[ -(4*x^3-8*x^2+4*x+3)/(2*x^4-4*x^3+x+1)$  lgdogf]  
A078067 15.0778  $[ (x-1)/(2*x^3-2*x^2-2*x-1)$  ogf]  
A078067 18.4629  $-(3+4*x-8*x^2+4*x^3)/(x-1)/(2*x^3-2*x^2-2*x-1)$  lgdogf  
A078067 7.13504  $[ \{a(n+3)+2*a(n+2)+2*a(n+1)-2*a(n), a(0) = 1, a(1) = -3, a(2) = 4\},$  ogf]  
A078068 11.4486  $[ -(2*x^3-5*x^2+4*x+3)/(x^4-3*x^3+x+1)$  lgdogf]  
A078068 15.5528  $[ (x-1)/(x^3-2*x^2-2*x-1)$  ogf]  
A078068 20.0663  $-(3+4*x-5*x^2+2*x^3)/(x-1)/(x^3-2*x^2-2*x-1)$  lgdogf  
A078068 7.35983  $[ \{a(n+3)+2*a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = -3, a(2) = 4\},$  ogf]  
A078069 10.5380  $[ \{a(n+2)+2*a(n+1)+2*a(n), a(0) = 1, a(1) = -3\},$  ogf]  
A078069 15.4306  $[ -(2*x^2-4*x-3)/(2*x^3-x-1)$  lgdogf]  
A078069 19.2025  $[ -(x-1)/(2*x^2+2*x+1)$  ogf]  
A078069 22.8400  $-1/2*(-1+2*x+(1-8*x-4*x^2)^(1/2))/(2*x+1)$  revogf  
A078069 26.7554  $-( -3-4*x+2*x^2)/(x-1)/(2*x^2+2*x+1)$  lgdogf  
A078070 12.4020  $[ -(x-1)/(x^2+x+1)/(x+1)$  ogf]  
A078070 19.8795  $-( -3-4*x-x^2+2*x^3)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A078070 26.2167  $[x^2+x-3$  ogf\_with\_Euler\_transform]  
A078070 5.86879  $[ \{-a(n+3)-2*a(n+2)-2*a(n+1)-a(n), a(0) = 1, a(1) = -3, a(2) = 4\},$  ogf]  
A078070 9.12922  $[ -( -2*x^3+x^2+4*x+3)/( -x^4-x^3+x+1)$  lgdogf]  
A078071 13.0555  $[ -(4*x^3-4*x^2-4*x-3)/(2*x^4-x-1)$  lgdogf]  
A078071 15.7652  $[ -(x-1)/(2*x^3+2*x^2+2*x+1)$  ogf]  
A078071 19.0419  $-( -3-4*x-4*x^2+4*x^3)/(x-1)/(2*x^3+2*x^2+2*x+1)$  lgdogf  
A078071 7.46029  $[ \{-a(n+3)-2*a(n+2)-2*a(n+1)-2*a(n), a(0) = 1, a(1) = -3, a(2) = 4\},$  ogf]  
A078100 10.9995  $[ -(4*x^2-9*x+4)/(6*x^3-15*x^2+9*x-1)$  ogf]

A078100 5.87907 [ $\{-a(n+3)+9*a(n+2)-15*a(n+1)+6*a(n), a(0) = 4, a(1) = 27, a(2) = 187\}$ , ogf]  
A078100 9.70717  $-(27-112*x+24*x^4-108*x^3+171*x^2)/(4*x^2-9*x+4)/(6*x^3-15*x^2+9*x-1)$  lgdogf  
A078112 16.6243  $-2*(1-3*x+3*x^5-3*x^4+6*x^2)/(x-1)/(x^2+1)/(2*x^3-x^2+1)$  lgdogf  
A078112 8.50831 [ $x*(2*x^3-x^2+1)/(x^2+1)^2/(x-1)^2$  ogf]  
A078113 4.87014 [ $\{a(n+3)-a(n+2)-2*a(n+1)+2*a(n), a(0) = 2, a(1) = 6, a(2) = 7\}$ , ogf]  
A078113 8.94190 [ $-(3*x^2-4*x-2)/(x-1)/(2*x^2-1)$  ogf]  
A078126 12.1225 [ $(x^3-2*x^2-x+1)/(x+1)/(x-1)^3$  ogf]  
A078126 16.0075  $-(1-2*x+x^4-2*x^3-4*x^2)/(x-1)/(1+x)/(x^3-2*x^2-x+1)$  lgdogf  
A078126 4.24594 [ $\{(3*n+13)*a(n+1)+(-2*n-6)*a(n+2)+(-3*n-11)*a(n+3)+(2*n+8)*a(n+4), a(0) = -1, a(1) = -1, a(2) = 0, a(3) = 1\}$ , ogf]  
A078126 8.71303  $-(x^4-2*x^3-4*x^2-2*x+1)/(x^5-2*x^4-2*x^3+3*x^2+x-1)$  lgdogf]  
A078137 7.75813 [ $-(x^{12}-x^{11}+x^9-x^8+2*x^6-2*x^5+2*x^4-2*x^3+3*x^2-4)/(x-1)^2$  ogf]  
A078222 8.47106  $2*(2*x+1)*(80*x^4-20*x^3-6*x^2+2*x+1)/(10*x^2-1)/(16*x^4+8*x^3+6*x^2-2*x-1)$  lgdogf  
A078222 9.39655 [ $2*(16*x^4+8*x^3+6*x^2-2*x-1)/(10*x^2-1)$  ogf]  
A078226 15.3268  $27-27*f(x)+9*f(x)^2-f(x)^3$  lgdegf  
A078254 3.81283 [ $3/2+3/2*(88*x^{12}+1)^{(1/2)}$  ogf\_with\_Euler\_transform]  
A078309 11.8794  $-(4+10*x+3*x^5+15*x^3+9*x^4+19*x^2)/(x-1)/(3*x^3+3*x^2+3*x+1)/(x^2+x+1)$  lgdogf  
A078309 12.4610 [ $(3*x^3+3*x^2+3*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A078309 5.14857 [ $\{(5*n+16)*a(n+1)+5*a(n+2)+5*a(n+3)+(-5*n-11)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 7, a(3) = 11\}$ , ogf]  
A078315 11.6623 [ $(x^{48}-x^{47}+x^{45}-x^{44}+x^4-x^3-1)/(x-1)$  ogf]  
A078315 9.09045  $(1+3*x^4-6*x^3+44*x^45-88*x^44+44*x^43+47*x^48-94*x^47+47*x^46+3*x^2)/(x-1)/(x^{48}-x^{47}+x^{45}-x^{44}+x^4-x^3-1)$  lgdogf  
A078338 9.71856 [ $-(x^9+x^8-x^7+x^5+x^4+x^2+x+1)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A078339 8.62371 [ $-(3*x^9+2*x^8+x^7+2*x^6+2*x^5+x^4-x+1)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A078343 11.8580 [ $-(4*x^2-2*x+2)/(4*x^3+7*x^2-6*x+1)$  lgdogf]  
A078343 16.8647 [ $-(4*x-1)/(x^2+2*x-1)$  ogf]  
A078343 18.7152  $-1/2*(-1+2*x+(1+12*x+8*x^2)^{(1/2)})/(4+x)$  revogf  
A078343 21.3889  $-2*(1-x+2*x^2)/(-1+4*x)/(x^2+2*x-1)$  lgdogf  
A078343 9.25502 [ $\{a(n+2)-2*a(n+1)-a(n), a(0) = -1, a(1) = 2\}$ , ogf]  
A078344 10.4127 [ $(3*x^3+2*x^2-1)/(x^3+x^2+2*x-1)$  ogf]  
A078344 11.8457  $(2-2*x+x^4+12*x^3-2*x^2)/(3*x^3+2*x^2-1)/(x^3+x^2+2*x-1)$  lgdogf  
A078344 5.12748 [ $\{a(n+4)-2*a(n+3)-a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 6\}$ , ogf]  
A078344 6.97760  $-(x^4+12*x^3-2*x^2-2*x+2)/(-3*x^6-5*x^5-8*x^4+3*x^2+2*x-1)$  lgdogf]  
A078362 10.2562  $-(2*x-13)/(x^2-13*x+1)$  lgdogf]  
A078362 10.9017  $-1/2*(-1-13*x+(15*x+1)^{(1/2)}*(11*x+1)^{(1/2)})/x$  revogf  
A078362 15.0827 [ $1/(x^2-13*x+1)$  ogf]  
A078362 21.8034  $-(-13+2*x)/(x^2+1-13*x)$  lgdogf  
A078362 6.10489 [ $\{-a(n+2)+13*a(n+1)-a(n), a(0) = 1, a(1) = 13\}$ , ogf]  
A078363 13.9704 [ $-(13*x-2)/(x^2-13*x+1)$  ogf]  
A078363 16.9693  $-(13-4*x+13*x^2)/(13*x-2)/(x^2+1-13*x)$  lgdogf  
A078363 7.81679 [ $\{a(n+2)-13*a(n+1)+a(n), a(0) = 2, a(1) = 13\}$ , ogf]  
A078363 9.38014  $-(-13*x^2+4*x-13)/(-13*x^3+171*x^2-39*x+2)$  lgdogf]  
A078364 13.7814 [ $1/(x^2-15*x+1)$  ogf]  
A078364 19.8903  $-(-15+2*x)/(x^2+1-15*x)$  lgdogf  
A078364 5.57819 [ $\{-a(n+2)+15*a(n+1)-a(n), a(0) = 1, a(1) = 15\}$ , ogf]  
A078364 9.37136  $-(2*x-15)/(x^2-15*x+1)$  lgdogf]  
A078364 9.94516  $-1/2*(-15*x-1+(17*x+1)^{(1/2)}*(1+13*x)^{(1/2)})/x$  revogf  
A078365 12.0389  $-(15-4*x+15*x^2)/(15*x-2)/(x^2+1-15*x)$  lgdogf  
A078365 5.57819 [ $\{a(n+2)-15*a(n+1)+a(n), a(0) = 2, a(1) = 15\}$ , ogf]

A078365 6.69383  $[-(-15*x^2+4*x-15)/(-15*x^3+227*x^2-45*x+2) \text{ lgdogf}]$   
A078365 9.96953  $[-(15*x-2)/(x^2-15*x+1) \text{ ogf}]$   
A078366 10.3068  $-1/2*(-17*x-1+(15*x+1)^{(1/2)}*(19*x+1)^{(1/2)})/x \text{ revogf}$   
A078366 14.2707  $[1/(x^2-17*x+1) \text{ ogf}]$   
A078366 20.6136  $-(-17+2*x)/(x^2+1-17*x) \text{ lgdogf}$   
A078366 5.77623  $[{-a(n+2)+17*a(n+1)-a(n), a(0) = 1, a(1) = 17}], \text{ ogf}]$   
A078366 9.70406  $[-(2*x-17)/(x^2-17*x+1) \text{ lgdogf}]$   
A078367 10.3235  $[-(17*x-2)/(x^2-17*x+1) \text{ ogf}]$   
A078367 12.4767  $-(-17-4*x+17*x^2)/(17*x-2)/(x^2+1-17*x) \text{ lgdogf}$   
A078367 5.77623  $[{a(n+2)-17*a(n+1)+a(n), a(0) = 2, a(1) = 17}], \text{ ogf}]$   
A078367 6.93147  $[-(-17*x^2+4*x-17)/(-17*x^3+291*x^2-51*x+2) \text{ lgdogf}]$   
A078368 10.0368  $[-(2*x-19)/(x^2-19*x+1) \text{ lgdogf}]$   
A078368 10.6684  $-1/2*(-19*x-1+(17*x+1)^{(1/2)}*(21*x+1)^{(1/2)})/x \text{ revogf}$   
A078368 14.7600  $[1/(x^2-19*x+1) \text{ ogf}]$   
A078368 21.3369  $-(-19+2*x)/(x^2+1-19*x) \text{ lgdogf}$   
A078368 5.97427  $[{-a(n+2)+19*a(n+1)-a(n), a(0) = 1, a(1) = 19}], \text{ ogf}]$   
A078369 10.6774  $[-(19*x-2)/(x^2-19*x+1) \text{ ogf}]$   
A078369 12.9144  $-(-19-4*x+19*x^2)/(19*x-2)/(x^2+1-19*x) \text{ lgdogf}$   
A078369 5.97427  $[{a(n+2)-19*a(n+1)+a(n), a(0) = 2, a(1) = 19}], \text{ ogf}]$   
A078369 7.16913  $[-(-19*x^2+4*x-19)/(-19*x^3+363*x^2-57*x+2) \text{ lgdogf}]$   
A078370 12.4284  $[-(-5*x^2-6*x-13)/(-5*x^3+7*x^2-7*x+5) \text{ lgdogf}]$   
A078370 13.2433  $[-(5*x^2-2*x+5)/(x-1)^3 \text{ ogf}]$   
A078370 22.6437  $-(-13+6*x+5*x^2)/(x-1)/(5*x^2-2*x+5) \text{ lgdogf}$   
A078370 7.08634  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 13, a(2) = 29}], \text{ ogf}]$   
A078371 12.5462  $[-(3*x^2-6*x-21)/(3*x^3-9*x^2+x+5) \text{ lgdogf}]$   
A078371 13.3689  $[ (3*x^2-6*x-5)/(x-1)^3 \text{ ogf}]$   
A078371 22.8625  $-3*(-7-2*x+x^2)/(x-1)/(3*x^2-6*x-5) \text{ lgdogf}$   
A078371 7.15351  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 21, a(2) = 45}], \text{ ogf}]$   
A078404 4.36923  $[ (x^{16}-x^{15}+x^{13}+x^{10}-x^9+2*x^8-x^7+x^6+x^3-x+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x+1)^2/(x^2+1)^2/(x-1)^4 \text{ ogf}]$   
A078411 6.99350  $[ (x^8+x^6+x^5+2*x^4+x^3+x^2+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^4 \text{ ogf}]$   
A078427 5.26794  $[{a(n+3)-21*a(n+2)+120*a(n+1)-100*a(n), a(0) = 46, a(1) = 901, a(2) = 13501}], \text{ ogf}]$   
A078427 6.34198  $[-(1000*x^3-1200*x^2+1830*x-901)/(1000*x^4-1750*x^3+1275*x^2-571*x+46) \text{ lgdogf}]$   
A078427 9.33177  $[-(100*x^2-65*x+46)/(x-1)/(10*x-1)^2 \text{ ogf}]$   
A078427 9.72215  $-(-901+1830*x+1000*x^3-1200*x^2)/(x-1)/(-1+10*x)/(100*x^2-65*x+46) \text{ lgdogf}$   
A078467 13.8242  $[-x*(x^2+x+1)/(x^4+x-1) \text{ ogf}]$   
A078467 15.5312  $-(-2+2*x+2*x^5+3*x^4+4*x^3-x^2)/(x^2+x+1)/(x^4+x-1) \text{ lgdogf}$   
A078467 7.87979  $[-(2*x^5+3*x^4+4*x^3-x^2+2*x+2)/(x^6+x^5+x^4+x^3-1) \text{ lgdogf}]$   
A078469 10.9718  $[ (x^2+4*x-1)/(x^2+6*x-1) \text{ ogf}]$   
A078469 17.2523  $2*(1+x^2)/(x^2+4*x-1)/(x^2+6*x-1) \text{ lgdogf}$   
A078469 5.64566  $[{a(n+3)-6*a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 12}], \text{ ogf}]$   
A078469 8.19018  $[-(2*x^2+2)/(-x^4-10*x^3-22*x^2+10*x-1) \text{ lgdogf}]$   
A078476 11.5246  $[ (3*x^4-x^3-2*x^2-1)/(x+1)/(x-1)^3 \text{ ogf}]$   
A078476 13.9864  $-(-2-8*x+5*x^4+6*x^3-7*x^2)/(x-1)/(1+x)/(3*x^4-x^3-2*x^2-1) \text{ lgdogf}$   
A078476 8.41298  $[-(-5*x^4-6*x^3+7*x^2+8*x+2)/(-3*x^6+x^5+5*x^4-x^3-x^2-1) \text{ lgdogf}]$   
A078477 5.88585  $(2*x-8*x^7-2*x^5-4*x^4+4*x^3+4*x^{12}-4*x^{10}-25*x^8+11*x^6+5*x^2-4*x^9+1)/(x-1)/(1+x)/(x^2+1)/(2*x^2-1)/(2*x^7+2*x^6-x^5+x^3-x^2+x+1) \text{ lgdogf}$   
A078477 8.10403  $[ (2*x^7+2*x^6-x^5+x^3-x^2+x+1)/(x-1)/(x+1)/(x^2+1)/(2*x^2-1) \text{ ogf}]$   
A078482 13.8052  $-1/2*(-1-3*x-x^2+(1+2*x+7*x^2+6*x^3+x^4)^{(1/2)})/(1+x) \text{ revogf}$   
A078482 7.72462  $[-1/2*(-x^2+(x^4+6*x^3+7*x^2+2*x+1)^{(1/2)}-3*x-1)/(x+1) \text{ revogf}]$   
A078484 11.9827  $[-x*(2*x^2-2*x+1)/(2*x^3-4*x^2+4*x-1) \text{ ogf}]$

A078484 14.2347  $-2*(2*x^2+1)*(x-1)^2/(2*x^2-2*x+1)/(2*x^3-4*x^2+4*x-1)$  lgdogf  
A078484 5.94561  $[{-a(n+4)+4*a(n+3)-4*a(n+2)+2*a(n+1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6}]$ , ogf]  
A078484 7.86742  $[{-(-4*x^4+8*x^3-6*x^2+4*x-2)/(-4*x^5+12*x^4-18*x^3+14*x^2-6*x+1)}$  lgdogf]  
A078485 11.2755  $(-1+4*x+16*x^5-48*x^4+52*x^3-22*x^2)/(x-1)/(2*x-1)/(4*x^4-6*x^3+2*x-1)$  lgdogf  
A078485 12.3070  $[-x*(4*x^4-6*x^3+2*x-1)/(2*x-1)/(x-1)$  ogf]  
A078486 6.15223  $[-x*(6*x^5-10*x^4+21*x^3-19*x^2+7*x-1)/(6*x^6-16*x^5+44*x^4-53*x^3+31*x^2-9*x+1)$  ogf]  
A078488 13.6570  $[-(1+x)^{(1/25)+1}$  revogf]  
A078488 35.3823  $-(1+x)^{(1/25)+1}$  revogf  
A078488 4.67880  $[{(n-23)*a(n+1)+(-n-3)*a(n+2), a(0) = -25, a(1) = 300}]$ , ogf]  
A078501 10.9407  $-(-7+18*x+16*x^4-16*x^3-8*x^2)/(x-1)/(2*x-1)/(4*x^3-4*x^2+1)$  lgdogf  
A078501 7.97348  $[-(4*x^3-4*x^2+1)/(2*x-1)^2/(x-1)^3]$  ogf]  
A078509 3.52954  $[{-a(n)+(-n^2-n)*a(n+1)+(-n^3-5*n^2-8*n-4)*a(n+2)+(n^3+6*n^2+11*n+6)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = 1/6}]$ , egf]  
A078513 5.51140  $-(1+4*x+36*x^6+36*x^5+12*x^2+28*x^3+37*x^4-16*x^{11}-4*x^8+16*x^7+40*x^{10}+24*x^9+12*x^{12})/(2*x^5-2*x^4+4*x^3+2*x^2+x+1)/(2*x^8+9*x^4-1)$  lgdogf  
A078513 8.75118  $[-x*(2*x^5-2*x^4+4*x^3+2*x^2+x+1)/(2*x^8+9*x^4-1)$  ogf]  
A078522 13.8119  $[-24*x/(x-1)/(x^2-34*x+1)$  ogf]  
A078522 16.2395  $-(35-70*x+3*x^2)/(x-1)/(x^2-34*x+1)$  lgdogf  
A078522 5.71527  $[{a(n+3)-35*a(n+2)+35*a(n+1)-a(n), a(0) = 0, a(1) = 24, a(2) = 840}]$ , ogf]  
A078522 9.74957  $[-(3*x^2-70*x+35)/(x^3-35*x^2+35*x-1)$  lgdogf]  
A078529 6.87154  $[-(3*x^{13}-2*x^{12}+x^{11}+x^7+x^3+x^2-5*x+3)/(x+1)/(x^4-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^3]$  ogf]  
A078531 18.2552  $[x*(1-4*x)^{(1/2)}$  revogf]  
A078531 38.1456  $x*(1-4*x)^{(1/2)}$  revogf  
A078531 4.17262  $[{(108*n^2+432*n+384)*a(n+1)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 10}]$ , ogf]  
A078532 22.3743  $[x*(1-9*x)^{(1/3)}$  revogf]  
A078532 3.93395  $[{(6912*n^3+51840*n^2+120528*n+83160)*a(n+1)+(-n^3-12*n^2-47*n-60)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 27, a(3) = 315}]$ , ogf]  
A078532 46.9331  $x*(1-9*x)^{(1/3)}$  revogf  
A078533 19.6195  $[x*(1-16*x)^{(1/4)}$  revogf]  
A078533 21.7722  $x*(1-16*x)^{(1/4)}$  revogf  
A078534 18.8881  $[x*(1-25*x)^{(1/5)}$  revogf]  
A078534 38.2483  $x*(1-25*x)^{(1/5)}$  revogf  
A078535 10.8039  $[x*(1-36*x)^{(1/6)}$  revogf]  
A078535 21.6418  $x*(1-36*x)^{(1/6)}$  revogf  
A078616 30.2511  $[-x/(-x+1)$  ogf\_with\_Euler\_transform]  
A078617 7.71212  $-(2+4*x+10*x^7+14*x^5+8*x^4+10*x^3+7*x^8+6*x^6+7*x^2+4*x^9)/(x-1)/(1+x)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+1)$  lgdogf  
A078617 9.45279  $[-(x^4+x^3+x^2+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3]$  ogf]  
A078618 7.90558  $[(x^4+3*x^2+x+1)/(x+1)/(x^2+1)/(x-1)^4]$  ogf]  
A078618 9.21562  $-(4+12*x+3*x^7+3*x^6+18*x^5+18*x^4+23*x^3+15*x^2)/(x-1)/(x+1)/(x^2+1)/(x^4+3*x^2+x+1)$  lgdogf  
A078621 7.14687  $(5+8*x-32*x^7+48*x^5+26*x^4-28*x^3+24*x^8-32*x^6-18*x^2)/(x-1)/(2*x^2-1)/(2*x^2-2*x-1)/(2*x^4+2*x^3-2*x-1)$  lgdogf  
A078621 9.08733  $[(2*x^2-2*x-1)*(2*x^4+2*x^3-2*x-1)/(x-1)/(2*x^2-1)]$  ogf]  
A078623 12.8679  $[-(x^2+x)/(x^3-2*x^2+x-1)$  revogf]  
A078634 10.7277  $(-1+4*x-x^2+((1-4*x+x^2)*(x-2)^2)^{(1/2)})/(1-4*x+x^2)$  lgdegf  
A078634 5.81023  $[(-x^2+(x^4-8*x^3+21*x^2-20*x+4)^{(1/2)}+4*x-1)/(x^2-4*x+1)]$  lgdegf]  
A078642 12.4125  $[-(x^2+4*x+3)/(x^3+3*x^2+x-2)$  lgdogf]  
A078642 17.6534  $[-2*(x+2)/(x^2+x-1)$  ogf]  
A078642 19.4265  $1/2/(x+2)*(-4-x+(16+16*x+5*x^2)^{(1/2)})$  revogf  
A078642 26.3645  $-(x+3)*(x+1)/(x+2)/(x^2+x-1)$  lgdogf

A078642 9.68783 [  $\{-a(n+2)+a(n+1)+a(n), a(0) = 4, a(1) = 6\}$ , ogf]  
A078678 10.5537 [  $\frac{-(-2x^2+2)}{(-x^4+2x^3+x^2+2x-1)}$  lgdogf]  
A078678 19.5569  $-2*(x-1)*(x+1)/(x^2+x+1)/(x^2-3x+1)$  lgdogf  
A078679 10.6075  $-(x+1)*(x^4-2x^3+3x^2-1)/(x-1)/(x^2-x+1)/(x^3+2x^2+2x-1)$   
lgdogf  
A078679 6.76853 [  $\frac{-(x^5-x^4+x^3+3x^2-x-1)}{(x^6-2x^3+4x^2-4x+1)}$  lgdogf]  
A078688 8.57436  $\frac{-(-3-2x-10x^6+3x^5+x^7+x^4-35x^3-3x^2)}{(x-1)/(x^2+x+1)/(x^2-x+1)/(x^3-4x^2-4x-1)}$  lgdogf  
A078688 9.42000 [  $\frac{-(x^2-x+1)*(x^3-4x^2-4x-1)}{(x-1)^2/(x^2+x+1)^2}$  ogf]  
A078689 8.90842  $\frac{-(-2-2x-26x^3-3x^2+x^4+3x^5-8x^6+x^7)}{(x-1)/(x^2+x+1)/(x^2-x+1)/(x^3-3x^2-3x-1)}$  lgdogf  
A078689 9.67088 [  $\frac{-(x^3-3x^2-3x-1)*(x^2-x+1)}{(x-1)^2/(x^2+x+1)^2}$  ogf]  
A078690 7.49940 [  $\frac{-(x^9-3x^8-30x^7-13x^6+x^5-x^4-12x^3-30x^2-2x-1)}{(x-1)^2/(x^4+x^3+x^2+x+1)^2}$  ogf]  
A078697 3.15781 [  $\frac{(x^2+x+1)/(x-1)/(x+1)/(x^2+x-1)}$  ogf]  
A078700 12.4321 [  $\frac{-(x+1)/(x^2+x-1)}$  egf]  
A078700 19.5595  $\frac{-(2+2x+x^2)}{(x+1)/(x^2+x-1)}$  lgdegf  
A078700 9.32407 [  $\frac{-(-x^2-2x-2)}{(-x^3-2x^2+1)}$  lgdegf]  
A078712 14.9106 [  $\frac{(2x+3)}{(x^3-x-1)}$  ogf]  
A078712 21.7799  $\frac{-(-1+9x^2+4x^3)}{(3+2x)/(x^3-x-1)}$  lgdogf  
A078712 7.13807 [  $\{-a(n+3)-a(n+2)+a(n), a(0) = -3, a(1) = 1, a(2) = -1\}$ , ogf]  
A078712 8.82867 [  $\frac{-(4x^3+9x^2-1)}{(2x^4+3x^3-2x^2-5x-3)}$  lgdogf]  
A078716 6.59051 [  $\frac{-(-5x^8+8x^7+4x^6+7x^5+3x^4+6x^3+2x^2+5x+1)}{(x-1)/(x^2+x+1)/(x^6+x^3+1)}$  ogf]  
A078718 10.4294  $\frac{1/2*(3+8x)*(-4x-1+(4x+1)^{1/2})+8*(4x+1)^{1/2}*x}{(16x+3)/(4x+1)^{3/2}/x}$  lgdogf  
A078718 4.42378 [  $\{(-32n^2+16n)*a(n+1)+(-20n^2-30n-10)*a(n+2)+(-3n^2-9n-6)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 3\}$ , ogf]  
A078757 4.93317 [  $\frac{-(x^7+x^6-24x^5+11x^4+38x^3-9x^2-16x-1)}{(x^8+x^7-25x^6+11x^5+47x^4-11x^3-25x^2-x+1)}$  ogf]  
A078761 12.5620 [  $\frac{-(-10x+19)}{(-10x^2+11x-1)}$  lgdogf]  
A078761 13.0645 [  $\frac{-45*(x-1)}{(10x-1)^2}$  ogf]  
A078761 14.9224  $\frac{-1/10*(-45-20x+9*(25+20x)^{1/2})}{(9+20x)}$  revogf  
A078761 23.7653  $\frac{-(-19+10x)}{(10x-1)/(-1+x)}$  lgdogf  
A078761 7.42300 [  $\{-a(n+2)+20a(n+1)-100a(n), a(0) = 45, a(1) = 855\}$ , ogf]  
A078787 14.5175 [  $\frac{-(-100x-102)/(-100x^2+99x+1)}$  lgdogf]  
A078787 16.9886 [  $\frac{(100x+1)}{(x-1)^2}$  ogf]  
A078787 20.6139  $\frac{-1/2*(-1-2x+(1+404x)^{1/2})}{(-100+x)}$  revogf  
A078787 27.9760  $\frac{-2*(51+50x)}{(100x+1)/(x-1)}$  lgdogf  
A078787 9.50552 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 102\}$ , ogf]  
A078789 10.2005 [  $\frac{-(2x^2-4x+1)}{(4x-1)/(x^2-3x+1)}$  ogf]  
A078789 5.54765 [  $\{-a(n+3)+7a(n+2)-13a(n+1)+4a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]  
A078789 9.83682  $\frac{-(3-22x+8x^4-32x^3+50x^2)}{(4x-1)/(x^2-3x+1)/(2x^2-4x+1)}$  lgdogf  
A078795 3.67719 [  $\frac{(1170x^5-3420x^4+3240x^3-900x^2-90x+1)}{(100x-1)/(x-1)^3}$  ogf]  
A078818 5.03403 [  $\{(-4n^2-22n-24)*a(n+1)+(n^2+7n+10)*a(n+2), a(0) = 10, a(1) = 15\}$ , ogf]  
A078819 4.96662 [  $\{(-4n^2-26n-30)*a(n+1)+(n^2+8n+12)*a(n+2), a(0) = 35, a(1) = 56\}$ , ogf]  
A078820 4.76120 [  $\{(-4n^2-30n-50)*a(n+1)+(n^2+8n+12)*a(n+2), a(0) = 5, a(1) = 24\}$ , ogf]  
A078831 5.12119 [  $\frac{x*(2x^{15}+2x^{14}+6x^{13}+4x^{12}+4x^{11}+3x^{10}+3x^9+x^8-2x^6-3x^5-5x^4-4x^3-3x^2-2x-1)}{(x-1)/(x^4+x^3+x^2+x+1)/(2x^5-1)}$  ogf]  
A078836 15.4193 [  $\frac{-(-10x+7)}{(-10x^2+11x-3)}$  lgdogf]  
A078836 17.0953 [  $\frac{-2*(5x-3)}{(2x-1)^2}$  ogf]  
A078836 19.3379  $\frac{-1/2*(-3-2x+(9+2x)^{1/2})}{(5+2x)}$  revogf  
A078836 25.0677  $\frac{-(-7+10x)}{(-1+2x)/(5x-3)}$  lgdogf  
A078836 9.47451 [  $\{-a(n+2)+4a(n+1)-4a(n), a(0) = 6, a(1) = 14\}$ , ogf]

A078876 4.55666 [  $-x^*(x+1)*(x^4+17x^3+48x^2+17x+1)/(x-1)^9$  ogf]  
A078876 8.46906  $-(27+274x+4x^5+650x^2+462x^3+95x^4)/(x-1)/(x+1)/$   
 $(x^4+17x^3+48x^2+17x+1)$  lgdogf  
A078891 3.03301 [  $-(54000000x^5+13500000x^4+270000x^3-21600x^2+270x-1)/$   
 $(x-1)/(100x-1)^3$  ogf]  
A078904 13.3608 [  $-(12x-6)/(4x^2-5x+1)$  lgdogf]  
A078904 14.5484 [  $-3x/(4x-1)/(x-1)^2$  ogf]  
A078904 25.8058  $-6*(2x-1)/(-1+4x)/(x-1)$  lgdogf  
A078904 5.84534 [  $\{a(n+3)-6a(n+2)+9a(n+1)-4a(n), a(0) = 0, a(1) = 3, a(2) = 18\}$ , ogf]  
A078905 11.6342 [  $-(5x^2-5)/(-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A078907 10.5495 [  $(x^2-x+1)^3/(x-1)^2$  ogf]  
A078907 14.0110 [  $-(4x^2-7x+1)/(-x^3+2x^2-2x+1)$  lgdogf]  
A078907 27.0856 [  $-3x^5+3x^2+3x-1$  ogf\_with\_Euler\_transform]  
A078907 30.6250 [  $(1-7x+4x^2)/(x-1)/(x^2-x+1)$  lgdogf  
A078907 4.59849 [  $\{(-n-4)*a(n+4)+(5+2n)*a(n+3)+(3-2n)*a(n+2)+(-3+n)*a(n+1),$   
 $a(0) = 1, a(1) = -1, a(2) = 3, a(3) = 0\}$ , ogf]  
A078922 12.0642 [  $-(x-1)/(x^2-11x+1)$  ogf]  
A078922 12.6370  $-1/2*(-11x-1+(117x^2+18x+1)^{(1/2)})/(1+x)$  revogf  
A078922 16.9809  $-(10-2x+x^2)/(x-1)/(x^2-11x+1)$  lgdogf  
A078922 6.60656 [  $\{a(n+2)-11a(n+1)+a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A078922 8.28285 [  $-(-x^2+2x-10)/(-x^3+12x^2-12x+1)$  lgdogf]  
A078932 4.56085 [  $(x^{21}-x^{19}+x^{18}-x^{15}-x^3+x-1)/(x^{20}-2x^{19}+2x^{18}+x^{16}-$   
 $x^{15}+x^{12}-x^{10}+x^9+x^6-x^2+2x-1)$  ogf]  
A078940 17.0933  $-a(n)+(n+1)*a(n+1), a(0)=4, a(1)=3$  lgdegf  
A078940 21.1841 [  $1+3*\exp(x)$  lgdegf]  
A078944 16.3933 [  $(-n-2)*a(n+2)+a(n+1), a(0)=4, a(1)=4$  lgdegf  
A078944 25.0892 [  $4*\exp(x)$  lgdegf]  
A078945 15.9346  $-a(n)+(n+1)*a(n+1), a(0)=5, a(1)=4$  lgdegf  
A078945 19.7698 [  $1+4*\exp(x)$  lgdegf]  
A078986 10.4107 [  $\{a(n+2)-38a(n+1)+a(n), a(0) = 1, a(1) = 19\}$ , ogf]  
A078986 12.4570  $-1/2*(-1-38x+(1+1440x^2)^{(1/2)})/(x+19)$  revogf  
A078986 12.4928 [  $-(-19x^2+2x-19)/(-19x^3+723x^2-57x+1)$  lgdogf]  
A078986 13.1127  $-(19-2x+19x^2)/(19x-1)/(x^2-38x+1)$  lgdogf  
A078986 18.6064 [  $-(19x-1)/(x^2-38x+1)$  ogf]  
A078987 11.0677  $-1/2*(-1-38x+(36x+1)^{(1/2)}*(40x+1)^{(1/2)})/x$  revogf  
A078987 13.8261 [  $-(2x-38)/(x^2-38x+1)$  lgdogf]  
A078987 20.3324 [  $1/(x^2-38x+1)$  ogf]  
A078987 22.1354  $-2*(-19+x)/(x^2+1-38x)$  lgdogf  
A078987 8.22980 [  $\{-a(n+2)+38a(n+1)-a(n), a(0) = 1, a(1) = 38\}$ , ogf]  
A078988 10.1800 [  $-(-x^2+2x-65)/(-x^3+67x^2-67x+1)$  lgdogf]  
A078988 10.9081  $-1/2*(-1-66x+(1+128x+4352x^2)^{(1/2)})/(1+x)$  revogf  
A078988 14.8273 [  $-(x-1)/(x^2-66x+1)$  ogf]  
A078988 15.3395  $-(65-2x+x^2)/(x-1)/(x^2-66x+1)$  lgdogf  
A078988 8.11973 [  $\{a(n+2)-66a(n+1)+a(n), a(0) = 1, a(1) = 65\}$ , ogf]  
A078989 10.1800 [  $-(x^2+2x-67)/(x^3-65x^2-65x+1)$  lgdogf]  
A078989 10.9081  $-1/2*(-1-66x+(1+136x+4352x^2)^{(1/2)})/(x-1)$  revogf  
A078989 14.8273 [  $(x+1)/(x^2-66x+1)$  ogf]  
A078989 14.8747  $-(-67+2x+x^2)/(x+1)/(x^2-66x+1)$  lgdogf  
A078989 8.11973 [  $\{-a(n+2)+66a(n+1)-a(n), a(0) = 1, a(1) = 67\}$ , ogf]  
A078993 9.28392 [  $-x^5*(2x^3+4x^2-5x-2)/(x-1)/(x+1)/(2x^2-1)/(x^2+x-1)/(x^2-$   
 $x-1)$  ogf]  
A079003 12.3562 [  $-(x^2+6x-3)/(3x-1)/(x-1)$  ogf]  
A079003 14.5874  $-2*(3-10x+11x^2)/(x-1)/(3x-1)/(x^2+6x-3)$  lgdogf  
A079003 6.35804 [  $\{a(n+3)-4a(n+2)+3a(n+1), a(0) = 3, a(1) = 6, a(2) = 14\}$ , ogf]  
A079003 8.50491 [  $-(22x^2-20x+6)/(3x^4+14x^3-32x^2+18x-3)$  lgdogf]  
A079004 10.4466 [  $(24x^3-9x^2-18x+7)/(3x-1)/(x-1)$  ogf]  
A079004 5.62509 [  $\{-a(n+4)+4a(n+3)-3a(n+2), a(0) = 7, a(1) = 10, a(2) = 10,$   
 $a(3) = 34\}$ , ogf]  
A079004 9.62841  $2*(5-30x+36x^4-96x^3+81x^2)/(x-1)/(3x-1)/(24x^3-9x^2-18x$   
 $+7)$  lgdogf

A079006 13.4898  $[-(2*x-2)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A079027 12.8221  $[-(-125*x+35)/(-125*x^2+55*x-6)$  lgdogf]  
A079027 14.4249  $[-(25*x-6)/(5*x-1)^2$  ogf]  
A079027 20.0008  $-1/25*(-3-5*x+(9+5*x)^(1/2))/(1+x)$  revogf  
A079027 23.4493  $-5*(-7+25*x)/(5*x-1)/(25*x-6)$  lgdogf  
A079027 8.14580  $[{-a(n+2)+10*a(n+1)-25*a(n), a(0) = 6, a(1) = 35},$  ogf]  
A079028 11.5605  $[-(-12*x+5)/(-12*x^2+7*x-1)$  lgdogf]  
A079028 12.5657  $[-(3*x-1)/(4*x-1)^2$  ogf]  
A079028 15.7128  $-1/2*(-1-8*x+(1+4*x)^(1/2))/(16*x+3)$  revogf  
A079028 20.9504  $-(-5+12*x)/(-1+4*x)/(3*x-1)$  lgdogf  
A079028 6.96414  $[{-a(n+2)+8*a(n+1)-16*a(n), a(0) = 1, a(1) = 5},$  ogf]  
A079034 13.7723  $-(2+2*x+9*x^2-4*x^3+x^4)/(x-1)/(x^4-4*x^3+7*x^2-3*x+1)$  lgdogf  
A079034 7.73834  $[-(-x^4+4*x^3-9*x^2-2*x-2)/(-x^5+5*x^4-11*x^3+10*x^2-4*x+1)$  lgdogf]  
A079034 7.98271  $[-(x^4-4*x^3+7*x^2-3*x+1)/(x-1)^5$  ogf]  
A079037 10.0500  $(-3-x+1131*x^5-12*x^2-1304*x^3-1231*x^4)/(x-1)/$   
 $(377*x^5+327*x^4+4*x^3+x+1)$  lgdogf  
A079037 10.3885  $[(377*x^5+327*x^4+4*x^3+x+1)/(x-1)^2$  ogf]  
A079043 14.8796  $[(106*x^16+6*x+1)/(x-1)^2$  ogf]  
A079043 16.0316  $2*(-4-3*x-848*x^15+742*x^16)/(x-1)/(106*x^16+6*x+1)$  lgdogf  
A079043 8.86447  $[-(1484*x^16-1696*x^15-6*x-8)/(-106*x^17+106*x^16-6*x^2+5*x+1)$  lgdogf]  
A079053 5.49534  $[(26*x^10+68*x^8+6*x^7-4*x^6+16*x^5-12*x^4-5*x^2-x-1)/$   
 $(x^2+x-1)/(x^4+3*x^2+1)$  ogf]  
A079097 12.2372  $[(x^2+1)*(x^2-x-1)/(x-1)^3/(x+1)^3$  ogf]  
A079097 13.9146  $-(-1-6*x+2*x^5-3*x^4+4*x^3-8*x^2)/(x-1)/(1+x)/(x^2+1)/(x^2-x-1)$  lgdogf  
A079097 8.58961  $[-(-2*x^5+3*x^4-4*x^3+8*x^2+6*x+1)/(-x^6+x^5+x^4+x^2-x-1)$  lgdogf]  
A079102 11.1916  $[-(8*x^3+2*x^2-2*x-1)/(2*x+1)/(2*x-1)/(2*x^2-1)$  ogf]  
A079102 8.48953  $-2*(1+4*x+16*x^5-16*x^3+32*x^6-6*x^2)/(2*x+1)/(-1+2*x)/$   
 $(2*x^2-1)/(8*x^3+2*x^2-2*x-1)$  lgdogf  
A079162 10.4127  $-2*(1+4*x+5*x^2-4*x^3-6*x^4+2*x^5)/(x^2-2*x-1)/(2*x^4-5*x^2+1)$  lgdogf  
A079162 10.7523  $[-x*(x^2-2*x-1)/(2*x^4-5*x^2+1)$  ogf]  
A079165 11.3328  $[-\operatorname{arcsinh}(x)^2+\operatorname{arcsinh}(x)$  revegf]  
A079165 20.4863  $-\operatorname{arcsinh}(x)*(\operatorname{arcsinh}(x)-1)$  revegf  
A079165 4.53313  $[{a(n+1)+(4*n+10)*a(n+2)-a(n+3), a(0) = 1, a(1) = 2, a(2) = 13},$  ogf]  
A079208 2.00204  $[x/(x^2+1)$  ogf\_with\_Euler\_transform]  
A079262 10.1208  $-(1+2*x+7*x^6+6*x^5+3*x^2+4*x^3+5*x^4+8*x^7)/(x^2-1+x$   
 $+x^8+x^4+x^3+x^6+x^5+x^7)$  lgdogf  
A079262 9.15711  $[-x^7/(x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A079272 11.0904  $[2*(3*x-2)/(x-1)/(3*x-1)^2$  ogf]  
A079272 15.0343  $-(-11-27*x+18*x^2)/(x-1)/(3*x-1)/(3*x-2)$  lgdogf  
A079272 5.20764  $[{-a(n+3)+7*a(n+2)-15*a(n+1)+9*a(n), a(0) = 4, a(1) = 22, a(2) = 94},$  ogf]  
A079272 8.67941  $[-(-18*x^2+27*x-11)/(-9*x^3+18*x^2-11*x+2)$  lgdogf]  
A079273 12.4141  $[-(2*x^2+18*x+10)/(2*x^3+5*x^2-6*x-1)$  lgdogf]  
A079273 13.4316  $[-(2*x^2+7*x+1)/(x-1)^3$  ogf]  
A079273 23.6475  $-2*(5+9*x+x^2)/(x-1)/(2*x^2+7*x+1)$  lgdogf  
A079273 7.18710  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 10, a(2) = 29},$  ogf]  
A079282 11.5418  $[-(x-1)^2/(x^2+x-1)/(2*x-1)^2$  ogf]  
A079282 15.6919  $-(-3-3*x-6*x^2+4*x^3)/(x-1)/(2*x-1)/(x^2+x-1)$  lgdogf  
A079282 3.53793  $[{(2*n+14)*a(n+1)+(n+8)*a(n+2)+(-3*n-20)*a(n+3)+(n+6)*a(n+4),$   
 $a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 24},$  ogf]  
A079282 8.80060  $[-(4*x^3-6*x^2-3*x+3)/(2*x^4-x^3-4*x^2+4*x-1)$  lgdogf]  
A079284 13.1665  $-(-1+4*x+4*x^5+2*x^4-8*x^3-5*x^2)/(-1+x)/(x+1)/(2*x^2-1)/$   
 $(x^2+x-1)$  lgdogf  
A079284 13.3935  $[-(x-1)*(x+1)/(2*x^2-1)/(x^2+x-1)$  ogf]

A079284 7.77300 [  $-( -4x^5 - 2x^4 + 8x^3 + 5x^2 - 4x - 1 ) / ( -2x^6 - 2x^5 + 5x^4 + 3x^3 - 4x^2 - x + 1 )$  lgdogf ]  
A079285 10.0018  $-( 1 + 8x - 13x^2 - 12x^3 + 10x^4 + 8x^5 ) / ( 2x^2 - 1 ) / ( x^2 + x - 1 ) / ( 2x^2 + x - 2 )$  lgdogf  
A079285 9.32697 [  $-x( 2x^2 + x - 2 ) / ( 2x^2 - 1 ) / ( x^2 + x - 1 )$  ogf ]  
A079289 10.3646 [  $( x - 1 )^2 ( x + 1 )^2 / ( 2x^2 - 1 ) / ( x^2 + x - 1 )$  ogf ]  
A079289 12.7943  $( -1 - 2x + 2x^4 + 2x^3 + 3x^2 ) / ( x - 1 ) / ( 1 + x ) / ( 2x^2 - 1 ) / ( x^2 + x - 1 )$  lgdogf  
A079291 10.5204 [  $-x( x - 1 ) / ( x + 1 ) / ( x^2 - 6x + 1 )$  ogf ]  
A079291 13.4179  $-2( 2 + 5x - 4x^2 + x^3 ) / ( x - 1 ) / ( x + 1 ) / ( x^2 - 6x + 1 )$  lgdogf  
A079291 5.40236 [  $\{ a(n+3) - 5a(n+2) - 5a(n+1) + a(n), a(0) = 0, a(1) = 1, a(2) = 4 \}$ , ogf ]  
A079291 8.21455 [  $( -2x^3 + 8x^2 - 10x - 4 ) / ( -x^4 + 6x^3 - 6x + 1 )$  lgdogf ]  
A079309 4.87650 [  $\{ ( -4n - 14 ) * a(n+1) + ( 5n + 18 ) * a(n+2) + ( -n - 4 ) * a(n+3), a(0) = 1, a(1) = 4, a(2) = 14 \}$ , ogf ]  
A079313 7.34706 [  $-( 3x^{11} - 2x^{10} + x^9 - 7x^7 + x^6 - 2x^5 - 5x^4 - 2x^3 - 5x^2 - 3x - 1 ) / ( x^2 + 1 )^2 / ( x - 1 )^2 / ( x + 1 )^2$  ogf ]  
A079319 5.48425 [  $\{ a(n+3) - 7a(n+2) + 14a(n+1) - 8a(n), a(0) = 1, a(1) = 3, a(2) = 9 \}$ , ogf ]  
A079319 9.05981  $-( 3 - 24x + 66x^2 - 64x^3 + 16x^4 ) / ( x - 1 ) / ( 2x - 1 ) / ( -1 + 4x ) / ( 2x^2 - 4x + 1 )$  lgdogf  
A079319 9.99548 [  $-( 2x^2 - 4x + 1 ) / ( x - 1 ) / ( 2x - 1 ) / ( 4x - 1 )$  ogf ]  
A079326 13.8960  $-( -2 - 12x + x^5 - 7x^2 - 5x^3 + x^4 ) / ( x - 1 ) / ( x + 1 ) / ( x^4 - 3x^2 - x - 1 )$  lgdogf  
A079326 9.66882 [  $( x^4 - 3x^2 - x - 1 ) / ( x + 1 )^2 / ( x - 1 )^3$  ogf ]  
A079340 13.2942  $-( 5 + 2x + 32x^2 ) / ( -1 + 4x ) / ( 16x^2 - 5x + 1 )$  lgdegf  
A079340 7.90396 [  $-( -32x^2 - 2x - 5 ) / ( -64x^3 + 36x^2 - 9x + 1 )$  lgdegf ]  
A079343 11.2040 [  $-x( x^3 + 2x^2 + 1 ) / ( x - 1 ) / ( x^2 + x + 1 ) / ( x^2 - x + 1 )$  ogf ]  
A079343 11.5795  $-( 1 + 2x + 2x^7 + 5x^6 - 4x^5 + 8x^4 - 6x^3 + 4x^2 ) / ( x - 1 ) / ( x^2 + x + 1 ) / ( x^2 - x + 1 ) / ( x^3 + 2x^2 + 1 )$  lgdogf  
A079344 8.03117 [  $-x( x^7 + 6x^6 - 5x^5 + 3x^4 + x^3 + x^2 + 1 ) / ( x - 1 ) / ( x^2 + x + 1 ) / ( x^2 - x + 1 ) / ( x^4 - x^2 + 1 )$  ogf ]  
A079351 11.1493 [  $-( 4x^{25} - 4x^{15} + 4x^5 - 4x^3 + 2x - 3 ) / ( x - 1 )^2$  ogf ]  
A079351 8.30864  $2( 2 - x + 6x^2 + 6x^5 - 2x^3 - 10x^4 - 26x^{15} + 30x^{14} + 46x^{25} - 50x^{24} ) / ( x - 1 ) / ( 4x^{25} - 4x^{15} + 4x^5 - 4x^3 + 2x - 3 )$  lgdogf  
A079352 3.79647 [  $-( 12288x^{14} + 6144x^{13} + 3072x^{12} + 4608x^{11} + 1536x^{10} + 768x^9 + 384x^8 + 192x^7 + 96x^6 + 48x^5 + 24x^4 + 12x^3 + 4x^2 + 2x + 1 ) / ( 6144x^{12} - 1 )$  ogf ]  
A079354 7.10608 [  $( 2x^{10} + 3x^9 - x^8 - x^7 - x^6 - x^5 + 3x^4 - x^3 + 3x^2 + 3x + 1 ) / ( x + 1 ) / ( x^4 + x^3 + x^2 + x + 1 ) / ( x^4 - x^3 + x^2 - x + 1 ) / ( x - 1 )^2$  ogf ]  
A079356 5.16150 [  $( 2x^9 - 4x^8 + 7x^7 - 4x^6 + 2x^5 + x^4 - 3x^3 + x^2 + 2x + 1 ) / ( x^4 + x^3 + x^2 + x + 1 ) / ( x^4 - x^3 + x^2 - x + 1 ) / ( x - 1 )^2$  ogf ]  
A079360 14.0321 [  $( 4x + 1 ) / ( x - 1 ) / ( 2x^2 - 1 )$  ogf ]  
A079360 15.8489  $-( -5 - 4x + 16x^3 - 2x^2 ) / ( x - 1 ) / ( 4x + 1 ) / ( 2x^2 - 1 )$  lgdogf  
A079360 6.64021 [  $\{ a(n+3) - a(n+2) - 2a(n+1) + 2a(n), a(0) = 1, a(1) = 5, a(2) = 7 \}$ , ogf ]  
A079360 9.18152 [  $( -16x^3 + 2x^2 + 4x + 5 ) / ( -8x^4 + 6x^3 + 6x^2 - 3x - 1 )$  lgdogf ]  
A079362 11.6196 [  $-( 2x^2 - 3x - 1 ) / ( x - 1 ) / ( 3x^2 - 1 )$  ogf ]  
A079362 12.8647  $-2( 2 + x + 3x^4 - 9x^3 + x^2 ) / ( x - 1 ) / ( 3x^2 - 1 ) / ( 2x^2 - 3x - 1 )$  lgdogf  
A079362 6.32855 [  $\{ a(n+3) - a(n+2) - 3a(n+1) + 3a(n), a(0) = 1, a(1) = 4, a(2) = 5 \}$ , ogf ]  
A079362 7.23263 [  $( -6x^4 + 18x^3 - 2x^2 - 2x - 4 ) / ( -6x^5 + 15x^4 - 4x^3 - 8x^2 + 2x + 1 )$  lgdogf ]  
A079398 13.8578 [  $-x( x^2 + x + 1 ) / ( x^4 + x^3 - 1 )$  ogf ]  
A079398 15.4305  $-( 1 + 2x + 3x^2 + 2x^5 + 6x^3 + 4x^4 ) / ( x^2 + x + 1 ) / ( x^4 + x^3 - 1 )$  lgdogf  
A079414 13.2577  $-2( 26 + 141x + 72x^2 + x^3 ) / ( x - 1 ) / ( x + 1 ) / ( x^2 + 46x + 1 )$  lgdogf  
A079414 3.45434 [  $\{ ( -22n^2 - 151n - 255 ) * a(n+1) + ( 44n^2 + 264n + 508 ) * a(n+2) + ( -22n^2 - 113n - 141 ) * a(n+3), a(0) = 1, a(1) = 52, a(2) = 297 \}$ , ogf ]  
A079414 7.45207 [  $-( x + 1 ) * ( x^2 + 46x + 1 ) / ( x - 1 )^5$  ogf ]  
A079414 8.39537 [  $-( 2x^3 + 144x^2 + 282x + 52 ) / ( x^4 + 46x^3 - 46x - 1 )$  lgdogf ]



A079416 12.8739 [  $-(x^{47}+x^{21}-x^{20}+x^{18}+x^8+2)/(x-1)$  ogf]  
A079416 9.17620  
 $(-2-8*x^7+7*x^8+20*x^{21}-40*x^{20}+20*x^{19}+17*x^{18}-18*x^{17}-47*x^{46}+46*x^{47})/(x-1)/$   
 $(x^{47}+x^{21}-x^{20}+x^{18}+x^8+2)$  lgdogf  
A079440 4.67795 [  
 $x^2*(x^{22}+x^{21}+x^{20}+x^{18}+x^{17}+x^{16}+x^{14}+x^{13}+x^{12}+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/$   
 $(x+1)/(x^2+1)/(x^2+x+1)/(x^4+1)/(x-1)^2$  ogf]  
A079460 6.01079  $(8-10*x-52*x^7+16*x^8-11*x^2+21*x^3-11*x^4-25*x^5+60*x^6)/$   
 $(2*x-1)/(x-1)/(2*x^7-3*x^6+x^5+2*x^4-3*x^3+x^2+2)$  lgdogf  
A079460 6.76932 [  $-(2*x^7-3*x^6+x^5+2*x^4-3*x^3+x^2+2)/(2*x-1)/(x-1)^2$  ogf]  
A079472 11.9042 [  $-(-3*x^2+4*x+2)/(-x^3+2*x^2+2*x-1)$  lgdogf]  
A079472 16.9304 [  $2*x/(x+1)/(x^2-3*x+1)$  ogf]  
A079472 22.7777  $-(-2-4*x+3*x^2)/(x+1)/(x^2-3*x+1)$  lgdogf  
A079472 6.86368 [  $\{-a(n+3)+2*a(n+2)+2*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 4\},$   
ogf]  
A079484 5.96877 [  $\{(4*n^2+16*n+15)*a(n+1)-a(n+2), a(0) = 1, a(1) = 3\},$  ogf]  
A079489 19.2691  $1/2*(1-2*x+(1-8*x)^{(1/2)})*x$  revogf  
A079489 7.88283  $(-32*n^2-160*n-198)*a(n+1)+(2*n^2+11*n+15)*a(n+2), a(0)=3, a(1)=35$   
lgdogf  
A079489 9.49693 [  $(-x+1/2+1/2*(-8*x+1)^{(1/2}))*x$  revogf]  
A079496 10.6745 [  $-(x^3+3*x^2-x-1)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A079496 8.61063  $-(3+10*x+2*x^5-3*x^4-4*x^3+x^6+15*x^2)/(-1+2*x+x^2)/(x^2-2*x-1)/$   
 $(x^3+x^2-3*x-1)$  lgdogf  
A079497 6.97204 [  $-(x^7+x^6+x^5+x^4-13*x^3-9*x^2-5*x-1)/(x^4-4*x^2-1)/$   
 $(x^4+4*x^2-1)$  ogf]  
A079503 11.3570  $-2*(2+13*x+5*x^4+67*x^3+93*x^2)/(x-1)/(5*x^4+38*x^3+18*x^2-2*x$   
 $+1)$  lgdogf  
A079503 6.74414 [  $2*x*(5*x^4+38*x^3+18*x^2-2*x+1)/(x-1)^6$  ogf]  
A079503 7.12952 [  $-(10*x^4+134*x^3+186*x^2+26*x+4)/$   
 $(5*x^5+33*x^4-20*x^3-20*x^2+3*x-1)$  lgdogf]  
A079504 6.26905 [  $8*x*(17*x^4+194*x^3+234*x^2+34*x+1)/(x-1)^6$  ogf]  
A079504 9.86151  $-2*(20+319*x+17*x^4+325*x^3+759*x^2)/(x-1)/$   
 $(17*x^4+194*x^3+234*x^2+34*x+1)$  lgdogf  
A079505 5.48604 [  $(7*x^4-29*x^3+45*x^2-31*x+14)/(x-1)^4$  ogf]  
A079505 8.47838  $(-25+3*x+x^3-3*x^2)/(-1+x)/(7*x^4-29*x^3+45*x^2-31*x+14)$  lgdogf  
A079509 3.15107 [  $x*(x-2)/(x-1)^3$  ogf]  
A079524 10.2646 [  $-(4*x^3-2*x^2-4*x-4)/(2*x^4-2*x^3-3*x^2+2*x+1)$  lgdogf]  
A079524 12.6334 [  $x*(2*x^2-2*x-1)/(x+1)/(x-1)^3$  ogf]  
A079524 13.5165  $-2*(-2-2*x+2*x^3-x^2)/(x-1)/(x+1)/(2*x^2-2*x-1)$  lgdogf  
A079547 10.4368  $-(11+35*x+3*x^3+23*x^2)/(-1+x)/(x+1)/(x^2+4*x+1)$  lgdogf  
A079547 3.40570 [  $\{(n^2+2*n)*a(n)+(-2*n^2-6*n-33)*a(n+1)+(n^2+4*n+3)*a(n+2), a(0)$   
 $= 0, a(1) = 1\},$  ogf]  
A079547 5.10855 [  $x*(x+1)*(x^2+4*x+1)/(x-1)^6$  ogf]  
A079547 6.81140 [  $-(3*x^3+23*x^2+35*x+11)/(x^4+4*x^3-4*x-1)$  lgdogf]  
A079583 11.4279 [  $-(x^2-x+1)/(2*x-1)/(x-1)^2$  ogf]  
A079583 14.8557  $-(-3+5*x+2*x^3-2*x^2)/(x-1)/(-1+2*x)/(x^2-x+1)$  lgdogf  
A079583 6.22411 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 3, a(2) =$   
 $8\},$  ogf]  
A079583 8.71375 [  $-(2*x^3-2*x^2+5*x-3)/(2*x^4-5*x^3+6*x^2-4*x+1)$  lgdogf]  
A079588 11.1888 [  $(21*x^2+26*x+1)/(x-1)^4$  ogf]  
A079588 11.3486 [  $-(42*x^2+120*x+30)/(21*x^3+5*x^2-25*x-1)$  lgdogf]  
A079588 19.9989  $-6*(5+20*x+7*x^2)/(x-1)/(21*x^2+26*x+1)$  lgdogf  
A079588 3.83769 [  $\{(n+4)*a(n+4)+(45+25*n)*a(n+3)+(-130-5*n)*a(n+2)+(-63-21*n)*a(n$   
 $+1), a(0) = 1, a(1) = 30, a(2) = 135, a(3) = 364\},$  ogf]  
A079598 10.1465  $-1/16*(-1-20*x+(1+72*x+144*x^2)^{(1/2)})/(-1+8*x)$  revogf  
A079598 10.3671  $-4*(-7+32*x+128*x^2)/(-1+16*x)/(8*x+1)/(4*x-1)$  lgdogf  
A079598 10.3825 [  $(8*x+1)/(16*x-1)/(4*x-1)$  ogf]  
A079598 5.74089 [  $\{-a(n+2)+20*a(n+1)-64*a(n), a(0) = 1, a(1) = 28\},$  ogf]  
A079598 6.68460 [  $-(512*x^2+128*x-28)/(512*x^3-96*x^2-12*x+1)$  lgdogf]  
A079599 2.7.2327  $-2*(2+3*x+3*x^2)/(x-1)/(3*x+1)/(x+1)$  lgdogf  
A079599 8.86560 [  $-2*x*(128*x^60+44*x^59+3*x^2+4*x+1)/(28*x^61+48*x^60-44*x^59-$

$x^4+2*x^2-1$ ) ogf]  
A079610 10.4441 [  $15*(21*x^2+28*x+1)/(x-1)^4$  ogf]  
A079610 11.0409 [  $-(42*x^2+126*x+32)/(21*x^3+7*x^2-27*x-1)$  lgdogf]  
A079610 18.5121  $-2*(16+63*x+21*x^2)/(x-1)/(21*x^2+28*x+1)$  lgdogf  
A079610 3.66284 [  $\{(n+4)*a(n+4)+(49+27*n)*a(n+3)+(-140-7*n)*a(n+2)+(-63-21*n)*a(n+1), a(0) = 15, a(1) = 480, a(2) = 2145, a(3) = 5760\}$ , ogf]  
A079662 15.9862  $-2*(-1+2*x+2*x^3-4*x^2)/(x-1)/(x^3-x^2+2*x-1)$  lgdogf  
A079662 8.62921 [  $(x-1)^2/(x^3-x^2+2*x-1)^2$  ogf]  
A079662 9.16854 [  $-(-4*x^3+8*x^2-4*x+2)/(-x^4+2*x^3-3*x^2+3*x-1)$  lgdogf]  
A079675 15.1151  $(1+4*x)/(x-1)/(x^2-x+1)/(x^3-4*x^2+5*x-1)$  lgdogf  
A079675 6.02316 [  $(x-1)^5/(x^2-x+1)/(x^3-4*x^2+5*x-1)$  ogf]  
A079675 7.61966 [  $-(4*x+1)/(-x^6+6*x^5-15*x^4+20*x^3-16*x^2+7*x-1)$  lgdogf]  
A079734 5.60089 [  $(3*x^13+2*x^12+3*x^11+3*x^10-4*x^9-2*x^8-2*x^7-3*x^6-2*x^5-x^4-x^3+3*x+2)/(x-1)/(x+1)/(x^4+x^2-1)$  ogf]  
A079751 4.07351 [  $\{(-n-5)*a(n+1)+(n+7)*a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A079753 3.30816 [  $\{(-n^2-10*n-25)*a(n+1)+(n^2+10*n+23)*a(n+2)+(-n-3)*a(n+3), a(0) = 0, a(1) = 3, a(2) = 21\}$ , ogf]  
A079754 3.26180 [  $\{(n^2+9*n+20)*a(n+1)+(-n^2-9*n-16)*a(n+2)+(n+2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 8\}$ , ogf]  
A079757 12.9900 [  $(2*x+1)/(x^2+x+1)/(x+1)$  ogf]  
A079757 23.5115  $-x*(4+4*x^2+7*x)/(2*x+1)/(x+1)/(x^2+x+1)$  lgdogf  
A079757 6.20244 [  $\{-a(n+3)-2*a(n+2)-2*a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = -2\}$ , ogf]  
A079757 9.05883 [  $-(-4*x^3-7*x^2-4*x)/(-2*x^4-5*x^3-6*x^2-4*x-1)$  lgdogf]  
A079773 12.2284 [  $-(-30*x-2)/(-15*x^2-2*x+1)$  lgdogf]  
A079773 16.0900 [  $-x/(3*x+1)/(5*x-1)$  ogf]  
A079773 16.7226  $1/30/x*(-2*x-1+(64*x^2+4*x+1)^{1/2})$  revogf  
A079773 22.2968  $-2*(1+15*x)/(3*x+1)/(5*x-1)$  lgdogf  
A079773 7.45635 [  $\{-a(n+2)+2*a(n+1)+15*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A079810 9.44394 [  $-(3*x^4-2*x^3+4*x^2+1)/(x+1)^2/(x^2+1)^2/(x-1)^3$  ogf]  
A079810 9.47436  $-(1+9*x-9*x^6+29*x^5-x^2+23*x^3+5*x^4+15*x^7)/(x-1)/(x+1)/(x^2+1)/(3*x^4-2*x^3+4*x^2+1)$  lgdogf  
A079816 13.9668 [  $-1/(x^6+x^5+x^4+x^3+x-1)$  ogf]  
A079816 14.5159  $-(1+6*x^5+5*x^4+4*x^3+3*x^2)/(x^3-1+x*x^5+x^4+x^6)$  lgdogf  
A079816 7.40239 [  $-(-6*x^5-5*x^4-4*x^3-3*x^2-1)/(-x^6-x^5-x^4-x^3-x+1)$  lgdogf]  
A079824 7.62965 [  $(x^4+2*x^3+2*x^2+x+1)/(x+1)^3/(x-1)^4$  ogf]  
A079859 16.3115 [  $-(-6*x+5)/(-6*x^2+7*x-2)$  lgdogf]  
A079859 17.3989 [  $-2*(3*x-2)/(2*x-1)^2$  ogf]  
A079859 19.2417  $-1/2*(-2-2*x+(2*x+4)^{1/2})/(3+2*x)$  revogf  
A079859 25.9023  $-(-5+6*x)/(-1+2*x)/(3*x-2)$  lgdogf  
A079859 9.43313 [  $\{-a(n+2)+4*a(n+1)-4*a(n), a(0) = 4, a(1) = 10\}$ , ogf]  
A079861 12.6239 [  $-(-18*x+11)/(-18*x^2+19*x-5)$  lgdogf]  
A079861 13.9669 [  $-2*(9*x-5)/(2*x-1)^2$  ogf]  
A079861 17.8643  $-1/2*(-5-2*x+(25+2*x)^{1/2})/(9+2*x)$  revogf  
A079861 22.9684  $-(-11+18*x)/(-1+2*x)/(9*x-5)$  lgdogf  
A079861 7.81480 [  $\{-a(n+2)+4*a(n+1)-4*a(n), a(0) = 10, a(1) = 22\}$ , ogf]  
A079862 14.6513 [  $-(-34*x+19)/(-34*x^2+35*x-9)$  lgdogf]  
A079862 16.2100 [  $-2*(17*x-9)/(2*x-1)^2$  ogf]  
A079862 16.4792  $-1/2*(-9-2*x+(81+2*x)^{1/2})/(17+2*x)$  revogf  
A079862 21.7761  $-(-19+34*x)/(2*x-1)/(17*x-9)$  lgdogf  
A079862 9.06987 [  $\{-a(n+2)+4*a(n+1)-4*a(n), a(0) = 18, a(1) = 38\}$ , ogf]  
A079863 14.6958 [  $-(-66*x+35)/(-66*x^2+67*x-17)$  lgdogf]  
A079863 16.0567  $-1/2*(-17-2*x+(289+2*x)^{1/2})/(33+2*x)$  revogf  
A079863 16.5718 [  $-2*(33*x-17)/(2*x-1)^2$  ogf]  
A079863 21.5934  $-(-35+66*x)/(2*x-1)/(33*x-17)$  lgdogf  
A079863 9.27232 [  $\{-a(n+2)+4*a(n+1)-4*a(n), a(0) = 34, a(1) = 70\}$ , ogf]  
A079902 12.2559 [  $-(-2*x^4+2*x^3+4*x)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A079903 11.9325  $-(28+212*x+x^4+50*x^3+249*x^2)/(x-1)/(x^4+23*x^3+60*x^2+23*x+1)$  lgdogf  
A079903 7.22392 [  $-(-x^4-50*x^3-249*x^2-212*x-28)/(-x^5-22*x^4-37*x^3+37*x^2+22*x$

+1) lgdogf]  
A079903 7.81363 [  $-(x^4+23x^3+60x^2+23x+1)/(x-1)^5$  ogf]  
A079908 10.3087 [  $(x^4+4x^2+1)/(x-1)^4$  ogf]  
A079908 19.4152  $-4*(1+x)*(x^2+x+1)/(x-1)/(x^4+4x^2+1)$  lgdogf  
A079908 8.55150 [  $-(-4x^3-8x^2-8x-4)/(-x^5+x^4-4x^3+4x^2-x+1)$  lgdogf]  
A079909 10.0169  $(-5-22x-11x^4-44x^3+x^6-6x^5-33x^2)/(x-1)/(1+x^2)/(x^4+10x^2+1)$  lgdogf  
A079909 7.58357 [  $-(x^2+1)*(x^4+10x^2+1)/(x-1)^5$  ogf]  
A079910 5.66072 [  $(6x^7+11x^6+20x^5+51x^4+6x^3+25x^2+1)/(x-1)^6$  ogf]  
A079910 6.83496  $2*(-3-25x-59x^2-43x^5-111x^3-101x^4+3x^7-21x^6)/(x-1)/(6x^7+11x^6+20x^5+51x^4+6x^3+25x^2+1)$  lgdogf  
A079911 4.09665 [  $-(6x^{10}-29x^9+120x^8-49x^7+267x^6+105x^5+211x^4+37x^3+51x^2+1)/(x-1)^7$  ogf]  
A079921 10.2386 [  $-(x^3-x^2-2x+3)/(x^2+x-1)/(x-1)^2$  ogf]  
A079921 12.6892  $-(-7+7x+x^5-4x^3-x^4+6x^2)/(x-1)/(x^2+x-1)/(x^3-x^2-2x+3)$  lgdogf  
A079921 4.30805 [  $\{(n+6)*a(n+1)+a(n+2)+(-2n-11)*a(n+3)+(n+5)*a(n+4), a(0) = 3, a(1) = 7, a(2) = 14, a(3) = 26\}$ , ogf]  
A079922 6.84355 [  $-(x^7-4x^4+2x^3+3x-4)/(x-1)^2/(x^3+x^2+x-1)^2$  ogf]  
A079922 7.00136  $-(13-6x+3x^6-6x^7-6x^2-12x^3+5x^4+x^{10})/(x-1)/(x^3+x^2+x-1)/(x^7-4x^4+2x^3+3x-4)$  lgdogf  
A079929 4.81583 [  $\{(9n^2+36n+35)*a(n+1)-a(n+2), a(0) = 1, a(1) = 8\}$ , ogf]  
A079934 8.22747 [  $(x-1)*(2x^8+2x^7+2x^6-11x^5-12x^4-13x^3-9x^2-4x-1)/(x^6-6x^3+1)$  ogf]  
A079935 13.8422 [  $-(x-1)/(x^2-4x+1)$  ogf]  
A079935 15.2546  $-1/2*(-1-4x+(1+4x+12x^2)^{1/2})/(1+x)$  revogf  
A079935 20.3395  $-(3-2x+x^2)/(x-1)/(x^2-4x+1)$  lgdogf  
A079935 7.59632 [  $\{a(n+2)-4a(n+1)+a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A079935 9.73278 [  $-(-x^2+2x-3)/(-x^3+5x^2-5x+1)$  lgdogf]  
A079947 4.84573 [  $-(x^{39}-x^{35}+x^{33}-x^{32}+x^{23}-x^{19}+x^{17}-x^{16}-x^{15}+x^7-x^3+x-1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x^8-x^4+1)/(x^{16}-x^8+1)/(x-1)^2$  ogf]  
A079949 117.433  $6+2x$  lgdegf  
A079949 5.03484 [  $\{(-2n-4)*a(n+1)+a(n+3)-6a(n+2), a(0) = 1, a(1) = 6, a(2) = 38\}$ , ogf]  
A079955 11.5224 [  $-(-6x^5-5x^4-2x)/(-x^6-x^5-x^2+1)$  lgdogf]  
A079955 17.8642  $-x*(2+5x^3+6x^4)/(x+1)/(x^2-x+1)/(x^3+x^2-1)$  lgdogf  
A079955 20.2345 [  $-1/(x+1)/(x^2-x+1)/(x^3+x^2-1)$  ogf]  
A079956 10.7099 [  $-(-6x^5-4x^3-3x^2)/(-x^6-x^4-x^3+1)$  lgdogf]  
A079956 16.8751  $-x^2*(3+4x+6x^3)/(x+1)/(x^5-x^4+2x^3-x^2+x-1)$  lgdogf  
A079956 19.8526 [  $-1/(x+1)/(x^5-x^4+2x^3-x^2+x-1)$  ogf]  
A079957 10.7598 [  $-(-6x^5-5x^4-3x^2)/(-x^6-x^5-x^3+1)$  lgdogf]  
A079957 18.1720 [  $-1/(x^6+x^5+x^3-1)$  ogf]  
A079957 22.1011  $-x^2*(3+5x^2+6x^3)/(-1+x^3+x^5+x^6)$  lgdogf  
A079958 15.0254  $-(1+2x+6x^5+3x^2)/(x^2+x+1)/(x^4-x^3+2x-1)$  lgdogf  
A079958 15.6727 [  $-1/(x^2+x+1)/(x^4-x^3+2x-1)$  ogf]  
A079958 8.81590 [  $-(-6x^5-3x^2-2x-1)/(-x^6-x^3-x^2-x+1)$  lgdogf]  
A079959 15.8806 [  $-1/(x^6+x^4+x^2+x-1)$  ogf]  
A079959 18.4317  $-(1+2x+6x^5+4x^3)/(x^2-1+x+x^6+x^4)$  lgdogf  
A079959 8.93281 [  $-(-6x^5-4x^3-2x-1)/(-x^6-x^4-x^2-x+1)$  lgdogf]  
A079960 14.6998 [  $-1/(x^6+x^5+x^2+x-1)$  ogf]  
A079960 18.5777  $-(1+2x+6x^5+5x^4)/(x^2-1+x+x^6+x^5)$  lgdogf  
A079960 9.00360 [  $-(-6x^5-5x^4-2x-1)/(-x^6-x^5-x^2-x+1)$  lgdogf]  
A079961 16.4904 [  $-1/(x^6+x^4+x^3+x-1)$  ogf]  
A079961 18.1880  $-(1+3x^2+4x^3+6x^5)/(x^3-1+x+x^6+x^4)$  lgdogf  
A079961 8.83414 [  $-(-6x^5-4x^3-3x^2-1)/(-x^6-x^4-x^3-x+1)$  lgdogf]  
A079962 12.6961  $-(3x^2+x+1)*(2x^3+x^2-x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1)$  lgdogf  
A079962 15.3271 [  $-1/(x^2+x+1)/(x^2-x+1)/(x^2+x-1)$  ogf]  
A079962 8.94083 [  $-(-6x^5-5x^4-3x^2-1)/(-x^6-x^5-x^3-x+1)$  lgdogf]  
A079963 16.3950 [  $-1/(x^6+x^5+x^4+x-1)$  ogf]

A079963 18.0755  $-(1+5x^4+4x^3+6x^5)/(x^4-1+x+x^6+x^5)$  lgdogf  
A079963 8.78305  $[-(6x^5+5x^4+4x^3+1)/(x^6+x^5+x^4+x-1)]$  lgdogf]  
A079964 14.3160  $[ -1/(x^2+x+1)/(x^4-x^3+x^2+x-1)]$  ogf]  
A079964 14.9507  $-x*(2+3x+4x^2+6x^4)/(x^2+x+1)/(x^4-x^3+x^2+x-1)$  lgdogf  
A079964 8.62212  $[-(6x^5+4x^3+3x^2+2x)/(x^6+x^4+x^3+x^2-1)]$  lgdogf]  
A079965 14.9940  $[ -1/(x^6+x^5+x^3+x^2-1)]$  ogf]  
A079965 17.4073  $-x*(x+1)*(6x^3-x^2+x+2)/(-1+x^2+x^3+x^5+x^6)$  lgdogf  
A079965 9.03045  $[-(6x^5+5x^4+3x^2+2x)/(x^6+x^5+x^3+x^2-1)]$  lgdogf]  
A079966 14.7239  $[ -1/(x^6+x^5+x^4+x^2-1)]$  ogf]  
A079966 17.1723  $-x*(2+6x^4+4x^2+5x^3)/(-1+x^2+x^4+x^5+x^6)$  lgdogf  
A079966 8.86778  $[-(-6x^5-5x^4-4x^3-2x)/(-x^6-x^5-x^4-x^2+1)]$  lgdogf]  
A079967 12.4639  $-(1+2x+3x^2+4x^3+6x^5)/(x+1)/(x^5-x^4+2x^3-x^2+2x-1)$  lgdogf  
A079967 13.9058  $[ -1/(x+1)/(x^5-x^4+2x^3-x^2+2x-1)]$  ogf]  
A079967 7.67718  $[-(-6x^5-4x^3-3x^2-2x-1)/(-x^6-x^4-x^3-x^2-x+1)]$  lgdogf]  
A079968 13.5732  $[ -1/(x^6+x^5+x^3+x^2+x-1)]$  ogf]  
A079968 14.6932  $-(1+2x+3x^2+5x^4+6x^5)/(x^2-1+x+x^5+x^3+x^6)$  lgdogf  
A079968 7.49351  $[-(-6x^5-5x^4-3x^2-2x-1)/(-x^6-x^5-x^3-x^2-x+1)]$  lgdogf]  
A079969 12.7612  $-(1+2x+4x^3+5x^4+6x^5)/(x+1)/(x^2-x+1)/(x^3+x^2+x-1)$  lgdogf  
A079969 12.7868  $[ -1/(x+1)/(x^2-x+1)/(x^3+x^2+x-1)]$  ogf]  
A079969 7.59216  $[-(-6x^5-5x^4-4x^3-2x-1)/(-x^6-x^5-x^4-x^2-x+1)]$  lgdogf]  
A079970 4.12619  $[ -1/(x^6+x^5+x^4+x^3+x-1)]$  ogf]  
A079971 11.6227  $[-(-5x^4-2x-1)/(-x^5-x^2-x+1)]$  lgdogf]  
A079971 20.1041  $[ -1/(x^5+x^2+x-1)]$  ogf]  
A079971 26.0502  $-(1+2x+5x^4)/(x^2-1+x+x^5)$  lgdogf  
A079972 11.2680  $[-(5x^4+4x^3+1)/(x^5+x^4+x-1)]$  lgdogf]  
A079972 18.6883  $[ -1/(x^5+x^4+x-1)]$  ogf]  
A079972 25.0424  $-(1+4x^3+5x^4)/(x^4-1+x+x^5)$  lgdogf  
A079973 10.8913  $[-(5x^4+3x^2+2x)/(x^5+x^3+x^2-1)]$  lgdogf]  
A079973 17.4260  $[ -1/(x^5+x^3+x^2-1)]$  ogf]  
A079973 23.4167  $-x*(2+3x+5x^3)/(-1+x^2+x^3+x^5)$  lgdogf  
A079974 11.3448  $[-(-5x^4-4x^3-2x)/(-x^5-x^4-x^2+1)]$  lgdogf]  
A079974 18.1516  $[ -1/(x+1)/(x^4+x-1)]$  ogf]  
A079974 23.7965  $-x*(2+4x^2+5x^3)/(x+1)/(x^4+x-1)$  lgdogf  
A079975 15.8294  $[ -1/(x^5+x^3+x^2+x-1)]$  ogf]  
A079975 18.3742  $-(1+2x+3x^2+5x^4)/(x^2-1+x+x^5+x^3)$  lgdogf  
A079975 8.90406  $[-(-5x^4-3x^2-2x-1)/(-x^5-x^3-x^2-x+1)]$  lgdogf]  
A079976 14.6568  $[ -1/(x^5+x^4+x^2+x-1)]$  ogf]  
A079976 17.5990  $-(x+1)*(5x^3-x^2+x+1)/(x^2-1+x+x^5+x^4)$  lgdogf  
A079976 8.97726  $[-(-5x^4-4x^3-2x-1)/(-x^5-x^4-x^2-x+1)]$  lgdogf]  
A079977 12.6997  $[-(-4x^3-2x)/(-x^4-x^2+1)]$  lgdogf]  
A079977 17.0430  $a(n+4)-a(n+2)-a(n), a(0)=0, a(1)=2, a(2)=0, a(3)=6$  lgdogf  
A079977 19.2211  $[ -1/(x^4+x^2-1)]$  ogf]  
A079978 14.7623  $[3x^2/(-x^3+1)]$  lgdogf]  
A079978 21.2577  $[ -1/(x-1)/(x^2+x+1)]$  ogf]  
A079978 31.1805  $[[x^2]$  ogf\_with\_Euler\_transform]  
A079978 33.5914  $-3x^2/(-1+x)/(1+x^2+x)$  lgdogf  
A079978 7.18166  $[{a(n+3)-a(n), a(0) = 1, a(1) = 0, a(2) = 0}],$  ogf]  
A079979 19.3164  $[6x^5/(-x^6+1)]$  lgdogf]  
A079979 19.5306  $-6x^5/(-1+x)/(x+1)/(1+x^2+x)/(x^2-x+1)$  lgdogf  
A079979 27.8156  $[ -1/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)]$  ogf]  
A079979 40.8345  $[[x^5]$  ogf\_with\_Euler\_transform]  
A079980 6.62588  $-x*(-2-11x^5+3x^10+x^8-9x^7-2x^6-6x-8x^2-14x^3)/(x-1)/(1+x+x^2)/(x^9+x^7-2x^6+2x^5+2x^4+4x^3+x^2-1)$  lgdogf  
A079980 7.32191  $[ -(x-1)^2*(x^2+x+1)^2/(x^9+x^7-2x^6+2x^5+2x^4+4x^3+x^2-1)]$  ogf]  
A079981 6.78017  $[ -(x-1)^2*(x+1)^2*(x^2+x+1)^2*(x^2-x+1)^2/(x^18+x^14-2x^12+2x^10+2x^8+4x^6+x^4-1)]$  ogf]  
A079985 3.75424  $[ -(x^8+x^7-x^6-x^5-2x^4+x^3-x^2-x+1)/(x^6-x^5-x-1)/(x^8+2x^7+x^6-3x^4+x^2-2x+1)]$  ogf]  
A079986 5.57035  $-2x*(1+4x^2+14x^4-12x^6-4x^10+6x^12+4x^14+3x^16)/$

$(x^6+x^4+x^2-1)/(x^3-x^2+x+1)/(x^3+x^2+x-1)/(x^6-x^4-x^2-1)$  lgdogf  
A079986 6.24196 [  $-(x^6+x^4+x^2-1)/(x^3-x^2+x+1)/(x^3+x^2+x-1)/(x^6-x^4-x^2-1)$  ogf ]  
A079991 5.19861 [  $-(x^8+x^7-x^6-2*x^4-x^2-x+1)/(x^{14}+2*x^{13}-3*x^{10}-x^8-8*x^7+x^6+3*x^4+2*x-1)$  ogf ]  
A079992 3.96685 [  $-(x-1)*(x+1)*(x^2+x+1)*(x^4-x^3+x^2+x-1)/(x^{14}+x^{13}-x^{12}+x^{11}+x^{10}+x^9-9*x^8-5*x^7+3*x^6+x^5+x^4-x^3+3*x^2+x-1)$  ogf ]  
A079997 4.36105 [  $-(x^8+x^7-x^5-2*x^4+x^3-2*x^2-x+1)/(x+1)/(x^{13}-x^{11}+x^{10}-x^9-x^8-9*x^7-3*x^6+3*x^5+7*x^4-x^3+x^2+2*x-1)$  ogf ]  
A079998 16.9698 [  $5*x^4/(-x^5+1)$  lgdogf ]  
A079998 24.4364 [  $-1/(x-1)/(x^4+x^3+x^2+x+1)$  ogf ]  
A079998 24.5708  $-5*x^4/(-1+x)/(x^4+x^3+x^2+x+1)$  lgdogf  
A079998 35.8629 [  $[x^4]$  ogf\_with\_Euler\_transform ]  
A079999 7.74692  $-x^3*(-x^3+5*x^{11}+10*x^9+4*x^7-10*x^6-2*x^5-10*x^4+4+5*x+6*x^2)/(x^5+x^3-1)/(x^{10}+x^8-x^6-2*x^5-x^4-x^3+1)$  lgdogf  
A079999 8.77730 [  $-(x^5+x^3-1)/(x^{10}+x^8-x^6-2*x^5-x^4-x^3+1)$  ogf ]  
A080000 10.9168 [  $-(x-1)*(x^4+x^3+x^2+x+1)/(x^{10}-x^7+x^6-2*x^5-x+1)$  ogf ]  
A080000 7.80954  $-(1+7*x^6+5*x^{14}-2*x^{11}+x^{10}-10*x^9+5*x^4-2*x^5)/(x-1)/(x^4+x^3+x^2+x+1)/(x^{10}-x^7+x^6-2*x^5-x+1)$  lgdogf  
A080001 7.55264  $-x^2*(5*x^{12}+4*x^{11}-10*x^7-8*x^6+2*x^5+3+4*x+5*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(x^{10}+x^9-2*x^5-x^4-x^3+1)$  lgdogf  
A080001 9.97578 [  $-(x-1)*(x^4+x^3+x^2+x+1)/(x^{10}+x^9-2*x^5-x^4-x^3+1)$  ogf ]  
A080002 7.09152  $-x^3*(-10*x^3+5*x^{11}+10*x^8+x^7-10*x^6+6*x^5+4*x^4+4+5*x-8*x^2)/(x-1)/(x^3+x^2-1)/(x^5+x^2-1)/(x^6+x^4+2*x^3+x^2+x+1)$  lgdogf  
A080002 8.78424 [  $-(x^5+x^2-1)/(x-1)/(x^3+x^2-1)/(x^6+x^4+2*x^3+x^2+x+1)$  ogf ]  
A080003 7.14698 [  $-(x^5+x^3-1)/(x^{10}+x^8-x^7-2*x^5-2*x^4-x^3-x+1)$  ogf ]  
A080004 7.14698 [  $-(x-1)*(x^4+x^3+x^2+x+1)/(x^{10}+x^9-x^7+x^6-4*x^5-x^4-x^3-x+1)$  ogf ]  
A080005 6.57703 -  
 $(5*x^{14}-3*x^{12}+8*x^{11}+2*x^{10}-16*x^9+x^8+16*x^7+x^2+4*x^3-10*x^5+1)/(x^5+x^2-1)/(x^{10}-x^8+2*x^6-x^5-x^4-x^2-x+1)$  lgdogf  
A080005 7.66399 [  $-(x^5+x^2-1)/(x^{10}-x^8+2*x^6-x^5-x^4-x^2-x+1)$  ogf ]  
A080006 6.48291 [  $-(x^5+x^3-1)/(x^4+x^3+x^2+x+1)/(x^6-x^3-x^2-x+1)$  ogf ]  
A080007 6.59814 [  $-(x^5+x^3+x^2-1)/(x^{10}+x^8+2*x^7-4*x^5-2*x^4-2*x^3-x^2+1)$  ogf ]  
A080008 6.12781  $-x^2*(4*x^{11}-10*x^4+5*x^{12}+10*x^9+7*x^8-10*x^7-2*x^6+2*x^5+3+8*x+4*x^2-4*x^3)/(x+1)/(x^5+x^2-1)/(x^9+x^6-x^5-x^4-x^3-x+1)$  lgdogf  
A080008 7.34160 [  $-(x^5+x^2-1)/(x+1)/(x^9+x^6-x^5-x^4-x^3-x+1)$  ogf ]  
A080009 6.17516 [  $-(x^5+x^3-1)/(x^{10}+x^9+x^8-x^7-5*x^5-3*x^4-2*x^3-x^2-x+1)$  ogf ]  
A080010 5.93418 [  $-(x^5+x^3+x^2-1)/(x^{10}+x^7+2*x^6-3*x^5-3*x^4-2*x^3-x^2-x+1)$  ogf ]  
A080011 5.98904 [  $-(x^5+x^2-1)/(x^{10}+x^9-x^8+x^6-3*x^5-2*x^4-x^3-x^2-x+1)$  ogf ]  
A080012 5.52868 [  $-(x^5+x^3+x^2-1)/(x^{10}+x^9+x^8+2*x^7-x^6-5*x^5-4*x^4-3*x^3-2*x^2+1)$  ogf ]  
A080013 13.3910 [  $-(x-1)*(x+1)/(x^6-x^4-x^3-x^2+1)$  ogf ]  
A080013 14.7761  $-x^2*(-8*x^3+4*x^5-x^2+4*x+3)/(-1+x)/(x+1)/(x^6-x^4-x^3-x^2+1)$  lgdogf  
A080013 8.55537 [  $-(4*x^7-8*x^5-x^4+4*x^3+3*x^2)/(x^8-2*x^6-x^5+x^3+2*x^2-1)$  lgdogf ]  
A080014 8.99811 [  $-(x-1)*(x+1)/(x^6+x^5-x^4-x^3-x^2-x+1)$  ogf ]  
A080014 9.16186  $-(1+3*x^6+4*x^7+4*x^2+4*x^3-6*x^4-8*x^5)/(x-1)/(x+1)/(x^6+x^5-x^4-x^3-x^2-x+1)$  lgdogf  
A080023 11.6227 [  $-(2*x^2+2*x+3)/(-x^4+4*x^2+x-2)$  lgdogf ]  
A080023 14.0349 [  $(x+1)*(x-2)/(x^2+x-1)$  ogf ]  
A080023 20.8402  $(3+2*x+2*x^2)/(x-2)/(x+1)/(x^2+x-1)$  lgdogf  
A080023 7.29265 [  $\{a(n+3)-a(n+2)-a(n+1), a(0) = 2, a(1) = 3, a(2) = 4\}$ , ogf ]  
A080029 11.1979  $-3*(1+4*x+5*x^2+x^5+9*x^3+8*x^4+2*x^6)/(x-1)/(3*x^4+x^3+6*x^2+3*x+2)/(x^2+x+1)$  lgdogf  
A080029 11.5078 [  $x*(3*x^4+x^3+6*x^2+3*x+2)/(x-1)^2/(x^2+x+1)^2$  ogf ]  
A080030 10.8491 [  $(2*x^5+5*x^4+x^3+4*x^2+x+2)/(x-1)^2/(x^2+x+1)^2$  ogf ]  
A080030 9.36915  $-(1+8*x+10*x^6+2*x^7+15*x^2+25*x^3+26*x^4+3*x^5)/(x-1)/(x^2+x+1)/(2*x^5+5*x^4+x^3+4*x^2+x+2)$  lgdogf

A080031 10.8491 [  $(x^5+4x^4+2x^3+5x^2+2x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A080031 9.36915  $-(2+10x+8x^2+6x^3+12x^4+26x^5+25x^6+6x^7)/(x-1)/(x^2+x+1)/(x^5+4x^4+2x^3+5x^2+2x+1)$  lgdogf  
A080032 8.10293 [  $-x*(3x^{10}-2x^9+x^8-8x^6-3x^4-6x^3-x^2-4x-2)/(x^2+1)^2/(x-1)^2/(x+1)^2$  ogf]  
A080033 5.20607 [  $x*(4x^{14}+x^{13}+8x^{12}+12x^{11}+3x^{10}+16x^9+6x^8+20x^7+16x^6+7x^5+12x^4+8x^3+5x^2+4x+2)/(x-1)^2/(x+1)^2/(x^2+1)^2/(x^4+1)^2$  ogf]  
A080034 5.10992 [  $(x^{15}+5x^{14}+2x^{13}+9x^{12}+13x^{11}+4x^{10}+17x^9+7x^8+19x^7+15x^6+6x^5+11x^4+7x^3+4x^2+3x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2/(x^4+1)^2$  ogf]  
A080039 9.31774 [  $(2x^3-x^2+1)/(x-1)/(x+1)/(x^2+2x-1)$  ogf]  
A080039 9.66269  $-2*(-1-x+x^6-x^2+6x^3+x^4-x^5)/(x-1)/(x+1)/(x^2+2x-1)/(2x^3-x^2+1)$  lgdogf  
A080040 11.5943 [  $-(2x^2-4x-1)/(2x^3-3x+1)$  lgdogf]  
A080040 14.4284 [  $2*(x-1)/(2x^2+2x-1)$  ogf]  
A080040 18.1742  $-(-1-4x+2x^2)/(x-1)/(2x^2+2x-1)$  lgdogf  
A080040 7.91805 [  $\{-a(n+2)+2a(n+1)+2a(n), a(0) = 2, a(1) = 2\}$ , ogf]  
A080041 9.78611  $-2*(-1-3x+8x^3+3x^4+2x^6)/(x-1)/(x+1)/(2x^2+2x-1)/(2x^3+1)$  lgdogf  
A080041 9.98892 [  $(2x^3+1)/(x-1)/(x+1)/(2x^2+2x-1)$  ogf]  
A080042 13.3258 [  $2*(2x-1)/(3x^2+4x-1)$  ogf]  
A080042 15.0589  $-2*(-1-3x+3x^2)/(2x-1)/(3x^2+4x-1)$  lgdogf  
A080042 7.31295 [  $\{-a(n+2)+4a(n+1)+3a(n), a(0) = 2, a(1) = 4\}$ , ogf]  
A080042 9.36972 [  $-(6x^2-6x-2)/(6x^3+5x^2-6x+1)$  lgdogf]  
A080043 7.07587  $-2*(-2-5x+2x^2+22x^3+10x^4+3x^5+6x^6)/(x-1)/(x+1)/(3x^2+4x-1)/(4x^3+x^2+1)$  lgdogf  
A080043 8.21455 [  $(4x^3+x^2+1)/(x-1)/(x+1)/(3x^2+4x-1)$  ogf]  
A080047 3.17365 [  $\{(n^2+8n+16)*a(n+1)+(-n^2-8n-14)*a(n+2)+(n+2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 7\}$ , ogf]  
A080054 15.8615 [  $-(-2x^2+x-2)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A080095 13.2647 [  $-2*(8x^2+4x+1)/(2x-1)/(4x^2+2x+1)$  ogf]  
A080095 8.61343 [  $\{-a(n+3)+8a(n), a(0) = 2, a(1) = 8, a(2) = 16\}$ , ogf]  
A080095 9.84287  $-4*(1+4x+6x^2+16x^3+16x^4)/(2x-1)/(1+2x+4x^2)/(8x^2+4x+1)$  lgdogf  
A080097 11.1596 [  $x*(x-3)/(x-1)/(x+1)/(x^2-3x+1)$  ogf]  
A080097 11.3856  $-(-8+27x^2-18x^3+3x^4)/(x-1)/(x-3)/(x+1)/(x^2-3x+1)$  lgdogf  
A080097 6.69576 [  $-(-3x^4+18x^3-27x^2+8)/(-x^5+6x^4-9x^3-3x^2+10x-3)$  lgdogf]  
A080108 28.4663  $\exp(x)*(exp(-x)+x+1)$  lgdegf  
A080108 6.60799 [  $(1/(x+1)*exp(-x)+1)*(exp(x)*x+exp(x))$  lgdegf]  
A080141 4.37856 [  $\{(3n^2+18n+27)*a(n+1)-a(n+2), a(0) = 1, a(1) = 12\}$ , ogf]  
A080143 11.1377  $-(-13+6x^4-32x^3+45x^2)/(x-1)/(2x-5)/(x+1)/(x^2-3x+1)$  lgdogf  
A080143 11.5065 [  $x*(2x-5)/(x-1)/(x+1)/(x^2-3x+1)$  ogf]  
A080143 6.69257 [  $-(6x^4-32x^3+45x^2-13)/(2x^5-11x^4+15x^3+6x^2-17x+5)$  lgdogf]  
A080144 10.5607  $-(-21+72x^2-50x^3+9x^4)/(x-1)/(3x-8)/(x+1)/(x^2-3x+1)$  lgdogf  
A080144 10.9175 [  $x*(3x-8)/(x-1)/(x+1)/(x^2-3x+1)$  ogf]  
A080145 11.7504 [  $x/(x+1)/(x^2-3x+1)/(x-1)^2$  ogf]  
A080145 14.6617  $-(4-2x+5x^3-11x^2)/(x-1)/(x+1)/(x^2-3x+1)$  lgdogf  
A080145 9.17496 [  $-(5x^3-11x^2-2x+4)/(x^4-3x^3+3x-1)$  lgdogf]  
A080151 7.27646 [  $(17x^8+15x^7+13x^6+11x^5+9x^4+7x^3+5x^2+3x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A080171 14.4363 [  $-(1-x)/(-x^2+x-1)$  lgdegf]  
A080171 39.5420  $x-1+(x^2+1-x)*f(x)$  lgdegf  
A080171 4.87988 [  $\{(n^2+4n+4)*a(n+1)+(-n-3)*a(n+2)+a(n+3), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
A080198 5.42639 [  $(93x^{15}+98x^{14}-5x^{12}+5x^{11}+88x^{10}-83x^9+83x^8-5x^7-10x^6+12x^5+6x^4+x$

$\wedge 2+1)/(x-1)^2$  ogf]  
A080204 11.7036  $-(3+2*x+2*x^6-6*x^5-x^4+8*x^3-12*x^2)/(-1+x)/(2*x^3-3*x^2-1)/(x^3+2*x-1)$  lgdogf  
A080204 11.7349 [  $-(2*x^3-3*x^2-1)/(x-1)/(x^3+2*x-1)$  ogf]  
A080206 7.54246 [  $(2*x^8-2*x^7-4*x^5-3*x^4-4*x^3-3*x^2+x+1)/(x^6-x^4-4*x^2+1)$  ogf]  
A080219 5.57032 [  $(5*x^19-3*x^18+4*x^17-x^16+x^15-4*x^14+5*x^13-8*x^12+8*x^11-3*x^10-3*x^9+7*x^8-5*x^7-3*x^6+5*x^2-5*x-1)/(x-1)$  ogf]  
A080227 4.43227 [  $\{(n+2)*a(n+1)-a(n+2)+(-n-4)*a(n+3)+a(n+4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3\}$ , ogf]  
A080239 13.7544 [  $1/(x-1)/(x+1)/(x^2+1)/(x^2+x-1)$  ogf]  
A080239 8.16669 [  $-(-6*x^5-5*x^4+4*x^3+2*x+1)/(-x^6-x^5+x^4+x^2+x-1)$  lgdogf]  
A080239 9.46469 [  $-(-1-2*x+6*x^5+5*x^4-4*x^3)/(-1+x)/(x+1)/(1+x^2)/(x^2+x-1)$  lgdogf]  
A080241 4.03657 [  $-x*(2*x^15+2*x^14-x^13-4*x^10-2*x^9-x^8-2*x^5-2*x^2-2*x-1)/(x+1)/(2*x-1)/(x^2-x+1)/(x^11+x^10-x^8-x^7-x^6+x^4+x^3-x-1)$  ogf]  
A080243 16.7559  $-1/2*(-x-1+(1+6*x+x^2)^{(1/2)})/(1+6*x+x^2)^{(1/2)}/x$  lgdogf  
A080243 17.9936 [  $-(2*x^2+x)/(-x-1)$  revogf]  
A080243 3.78812 [  $\{(-n^2-n)*a(n)+(-7*n^2-19*n-12)*a(n+1)+(-7*n^2-37*n-48)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = -1, a(2) = 3\}$ , ogf]  
A080243 54.7361  $x*(2*x+1)/(1+x)$  revogf  
A080250 8.27305 [  $-(-35+708*x-3360*x^2+3200*x^3)/(x-1)/(4*x-1)/(20*x-1)/(10*x-1)$  lgdogf]  
A080250 9.19333 [  $1/(x-1)/(4*x-1)/(20*x-1)/(10*x-1)$  ogf]  
A080252 3.62001 [  $\{(4*n+8)*a(n+1)-4*a(n+2)+(-n-4)*a(n+3)+a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 10\}$ , ogf]  
A080260 17.5680 [  $-(3-6*x-6*x^2-2*x^3+x^4)/(x-1)/(x^4-3*x^3+x^2-2*x+1)$  lgdogf  
A080260 8.27817 [  $-(x^4-2*x^3-6*x^2-6*x+3)/(x^5-4*x^4+4*x^3-3*x^2+3*x-1)$  lgdogf]  
A080260 8.36531 [  $-(x^4-3*x^3+x^2-2*x+1)/(x-1)^5$  ogf]  
A080275 16.6567 [  $-(-1+6*x+6*x^2+10*x^3+x^4)/(x+1)/(x^4+7*x^3+9*x^2+6*x+1)$  lgdogf  
A080275 8.77613 [  $-(-x^4-10*x^3-6*x^2-6*x+1)/(-x^5-8*x^4-16*x^3-15*x^2-7*x-1)$  lgdogf]  
A080275 9.14565 [  $(x^4+7*x^3+9*x^2+6*x+1)/(x+1)^5$  ogf]  
A080322 13.1868 [  $-(-9+34*x-4*x^5+x^6-10*x^2-20*x^3+10*x^4)/(x^2-x+1)/(x^5-3*x^4+6*x^3-8*x^2+3)$  lgdogf]  
A080322 8.61325 [  $-(x^5-3*x^4+6*x^3-8*x^2+3)/(x^2-x+1)^3$  ogf]  
A080332 14.6495 [  $-(-3*x-5)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A080335 11.9061 [  $-(x^3-x^2+3*x+1)/(x+1)/(x-1)^3$  ogf]  
A080335 17.1463 [  $-(5+8*x+x^4+10*x^2)/(x-1)/(x+1)/(x^3-x^2+3*x+1)$  lgdogf  
A080335 9.23061 [  $-(-x^4-10*x^2-8*x-5)/(-x^5+x^4-2*x^3-2*x^2+3*x+1)$  lgdogf]  
A080337 16.8602 [  $\exp(2*x)+\exp(x)+1$  lgdegf]  
A080337 34.0103  $1+\exp(2*x)+\exp(x)$  lgdegf  
A080340 11.5507 [  $(3555593*x+7629217)/(x-1)^2$  ogf]  
A080340 13.7453 [  $-(18814027+3555593*x)/(3555593*x+7629217)/(x-1)$  lgdogf  
A080340 6.93044 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 7629217, a(1) = 18814027\}$ , ogf]  
A080340 8.33408 [  $-(3555593*x+18814027)/(3555593*x^2+4073624*x-7629217)$  lgdogf]  
A080340 9.78829 [  $-1/2*(-7629217-2*x+(58204952033089+44739240*x)^{(1/2)})/(-3555593+x)$  revogf]  
A080341 11.7335 [  $-(5+10*x+2*x^5+16*x^2+16*x^3+5*x^4)/(x-1)/(x^2+x+1)/(x^3+x^2+3*x+1)$  lgdogf]  
A080341 9.43194 [  $-(x^3+x^2+3*x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A080412 12.2249 [  $-(1+5*x+2*x^6+7*x^5-x^4+12*x^3+6*x^2)/(x-1)/(x+1)/(x^2+1)/(x^3+2*x^2-x+2)$  lgdogf]  
A080412 12.4012 [  $x*(x^3+2*x^2-x+2)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A080413 8.62178 [  $x*(x^7+2*x^6+2*x^5+2*x^4-5*x^3+2*x^2+2*x+2)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A080414 8.62178 [  $x*(x^7+4*x^6-3*x^5+4*x^4-3*x^3+4*x^2-3*x+4)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A080420 11.8455 [  $(2*x-1)/(3*x-1)^3$  ogf]  
A080420 13.2959 [  $-(-12*x+7)/(-6*x^2+5*x-1)$  lgdogf]

A080420 24.5688  $-( -7+12*x)/(3*x-1)/(2*x-1)$  lgdogf  
A080420 5.66522  $[ \{a(n+3)-9*a(n+2)+27*a(n+1)-27*a(n), a(0) = 1, a(1) = 7, a(2) = 36\},$  ogf]  
A080421 12.8555  $[ -( -18*x+10)/(-6*x^2+5*x-1)$  lgdogf]  
A080421 23.3420  $-2*( -5+9*x)/(3*x-1)/(2*x-1)$  lgdogf  
A080421 4.17386  $[ \{(n+3)*a(n+3)+(-20-5*n)*a(n+2)+(24+6*n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 66\},$  ogf]  
A080421 9.73902  $[ -(2*x-1)/(3*x-1)^4$  ogf]  
A080422 12.4878  $[ -( -24*x+13)/(-6*x^2+5*x-1)$  lgdogf]  
A080422 22.6676  $-(-13+24*x)/(3*x-1)/(2*x-1)$  lgdogf  
A080422 4.02832  $[ \{(n+3)*a(n+3)+(-23-5*n)*a(n+2)+(30+6*n)*a(n+1), a(0) = 1, a(1) = 13, a(2) = 105\},$  ogf]  
A080422 8.10896  $[ (2*x-1)/(3*x-1)^5$  ogf]  
A080423 11.9954  $[ -( -30*x+16)/(-6*x^2+5*x-1)$  lgdogf]  
A080423 20.2618  $-2*( -8+15*x)/(3*x-1)/(-1+2*x)$  lgdogf  
A080423 3.86948  $[ \{(n+3)*a(n+3)+(-26-5*n)*a(n+2)+(36+6*n)*a(n+1), a(0) = 1, a(1) = 16, a(2) = 153\},$  ogf]  
A080423 6.66411  $[ -(2*x-1)/(3*x-1)^6$  ogf]  
A080424 12.1169  $[ -( -36*x-3)/(-18*x^2-3*x+1)$  lgdogf]  
A080424 15.9433  $[ -x/(3*x+1)/(6*x-1)$  ogf]  
A080424 16.5714  $1/36/x*( -1-3*x+(1+6*x+81*x^2)^(1/2))$  revogf  
A080424 22.0952  $-3*(1+12*x)/(3*x+1)/(6*x-1)$  lgdogf  
A080424 7.38834  $[ \{-a(n+2)+3*a(n+1)+18*a(n), a(0) = 0, a(1) = 1\},$  ogf]  
A080425 11.0454  $[ \{-a(n+3)+a(n), a(0) = 0, a(1) = 2, a(2) = 1\},$  ogf]  
A080425 12.1824  $[ -(2*x^3+6*x^2+1)/(x^4+2*x^3-x-2)$  lgdogf]  
A080425 18.4090  $[ -x*(x+2)/(x-1)/(x^2+x+1)$  ogf]  
A080425 25.5968  $-(-1+2*x^3+6*x^2)/(x+2)/(x-1)/(x^2+x+1)$  lgdogf  
A080445 10.6721  $[ -(22*x^2+11*x+1)/(99*x^2-1)$  ogf]  
A080445 11.8128  $-11*(1+22*x+99*x^2)/(22*x^2+11*x+1)/(99*x^2-1)$  lgdogf  
A080445 6.30626  $[ \{a(n+3)-99*a(n+1), a(0) = 1, a(1) = 11, a(2) = 121\},$  ogf]  
A080445 6.45292  $[ -(1089*x^2+242*x+11)/(2178*x^4+1089*x^3+77*x^2-11*x-1)$  lgdogf]  
A080446 10.6721  $[ 2*(45*x^2-6*x-1)/(99*x^2-1)$  ogf]  
A080446 12.6370  $6*(1+18*x+99*x^2)/(45*x^2-6*x-1)/(99*x^2-1)$  lgdogf  
A080446 6.30626  $[ \{a(n+3)-99*a(n+1), a(0) = 2, a(1) = 12, a(2) = 108\},$  ogf]  
A080446 6.68616  $[ -(594*x^2+108*x+6)/(-4455*x^4+594*x^3+144*x^2-6*x-1)$  lgdogf]  
A080447 10.4708  $[ 3*(63*x^2-4*x-1)/(99*x^2-1)$  ogf]  
A080447 12.6370  $4*(1+18*x+99*x^2)/(63*x^2-4*x-1)/(99*x^2-1)$  lgdogf  
A080447 6.30626  $[ \{a(n+3)-99*a(n+1), a(0) = 3, a(1) = 12, a(2) = 108\},$  ogf]  
A080447 6.76770  $[ -(396*x^2+72*x+4)/(-6237*x^4+396*x^3+162*x^2-4*x-1)$  lgdogf]  
A080448 10.4708  $[ 4*(72*x^2-3*x-1)/(99*x^2-1)$  ogf]  
A080448 12.6370  $3*(1+18*x+99*x^2)/(99*x^2-1)/(72*x^2-3*x-1)$  lgdogf  
A080448 6.30626  $[ \{a(n+3)-99*a(n+1), a(0) = 4, a(1) = 12, a(2) = 108\},$  ogf]  
A080448 6.76770  $[ -( -297*x^2-54*x-3)/(7128*x^4-297*x^3-171*x^2+3*x+1)$  lgdogf]  
A080450 10.4708  $[ 6*(81*x^2-2*x-1)/(99*x^2-1)$  ogf]  
A080450 12.6370  $2*(1+18*x+99*x^2)/(99*x^2-1)/(81*x^2-2*x-1)$  lgdogf  
A080450 6.30626  $[ \{a(n+3)-99*a(n+1), a(0) = 6, a(1) = 12, a(2) = 108\},$  ogf]  
A080450 6.76770  $[ -(198*x^2+36*x+2)/(-8019*x^4+198*x^3+180*x^2-2*x-1)$  lgdogf]  
A080451 6.70851  $2*( -1-16*x+470448*x^6-18*x^2-10593*x^4)/(99*x^2-1)/$   
 $(3168*x^5-54*x^3-83*x^2+2*x+1)$  lgdogf  
A080451 7.39935  $[ -7*(3168*x^5-54*x^3-83*x^2+2*x+1)/(99*x^2-1)$  ogf]  
A080452 6.79237  $2*( -1-14*x+411642*x^6+9*x^2-10494*x^4)/(99*x^2-1)/$   
 $(2772*x^5-72*x^3-85*x^2+2*x+1)$  lgdogf  
A080452 7.39935  $[ -8*(2772*x^5-72*x^3-85*x^2+2*x+1)/(99*x^2-1)$  ogf]  
A080453 10.4498  $2*(1+12*x+3267*x^4)/(99*x^2-1)/(66*x^3+87*x^2-2*x-1)$  lgdogf  
A080453 5.38787  $[ \{-a(n+4)+99*a(n+2), a(0) = 9, a(1) = 18, a(2) = 108, a(3) = 1188\},$  ogf]  
A080453 5.90373  $[ -(6534*x^4+24*x+2)/(-6534*x^5-8613*x^4+264*x^3+186*x^2-2*x-1)$  lgdogf]  
A080453 8.80875  $[ 9*(66*x^3+87*x^2-2*x-1)/(99*x^2-1)$  ogf]  
A080455 10.4939  $[ -(x^4-4*x^3-4*x^2-4*x-1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A080455 8.60637  $-(-5-13*x-23*x^4-13*x^3+x^7-15*x^5-7*x^6-21*x^2)/(x-1)/(x+1)/$



$(x^2+1)/(x^4-4x^3-4x^2-4x-1)$  lgdogf  
A080456 8.42007  $-( -3-7x-7x^5-3x^4-15x^3-3x^6+x^7-11x^2)/(x-1)/(x+1)/(2x^5-x^4-2x^3-2x^2-2x-1)/(x^2+1)$  lgdogf  
A080456 9.60174  $[ -2*(2x^5-x^4-2x^3-2x^2-2x-1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A080457 11.7106  $[ (x^4+4x^3+4x+3)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A080457 9.53959  $-(7+7x+21x^4+27x^3+x^7+5x^5+9x^6+19x^2)/(x-1)/(x+1)/(x^2+1)/(x^4+4x^3+4x+3)$  lgdogf  
A080458 12.9017  $-(2+4x+3x^5+5x^4+7x^3+3x^2)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A080458 13.3795  $[ 4*(x^2+x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A080458 28.0225  $[x^3-x^2+2$  ogf\_with\_Euler\_transform]  
A080460 11.0132  $[ 2*(x^4+2x^3+2x^2+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A080460 9.49067  $-(1+5x+x^7+9x^2+13x^3+5x^4+9x^5+5x^6)/(x-1)/(x+1)/(1+x^2)/(x^4+2x^3+2x^2+1)$  lgdogf  
A080463 7.78273  $[ -x*(8x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A080464 8.15547  $[ x*(9x^8+8x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1)/(x-1)^2/(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x^4-x^3+x^2-x+1)^2$  ogf]  
A080476 10.0199  $[ -(-6x^2-4x-2)/(x^6-2x^5-x^4+2x^3-x^2+1)$  lgdogf]  
A080476 12.9488  $[ (x^4-2x^3-1)/(x+1)/(x-1)^3$  ogf]  
A080476 20.1395  $2*(1+2x+3x^2)/(x-1)/(x+1)/(x^4-2x^3-1)$  lgdogf  
A080486 4.66879  $[ \{-a(n+3)+100*a(n+2), a(0) = 1, a(1) = 11, a(2) = 121\},$  ogf]  
A080486 8.31044  $[ (979x^2+89x-1)/(100x-1)$  ogf]  
A080486 8.44296  $11*(1-178x+8900x^2)/(100x-1)/(979x^2+89x-1)$  lgdogf  
A080487 3.95735  $[ \{a(n+4)-100*a(n+3), a(0) = 2, a(1) = 12, a(2) = 132, a(3) = 10032\},$  ogf]  
A080487 6.14033  $6*(1-178x+52800x^3+8108x^2)/(100x-1)/(1584x^3+534x^2+94x-1)$  lgdogf  
A080487 6.59559  $[ 2*(1584x^3+534x^2+94x-1)/(100x-1)$  ogf]  
A080488 4.66879  $[ \{-a(n+3)+100*a(n+2), a(0) = 3, a(1) = 33, a(2) = 363\},$  ogf]  
A080488 7.99081  $[ 3*(979x^2+89x-1)/(100x-1)$  ogf]  
A080488 8.44296  $11*(1-178x+8900x^2)/(100x-1)/(979x^2+89x-1)$  lgdogf  
A080489 3.95735  $[ \{a(n+4)-100*a(n+3), a(0) = 4, a(1) = 24, a(2) = 264, a(3) = 20064\},$  ogf]  
A080489 6.14033  $6*(1-178x+52800x^3+8108x^2)/(100x-1)/(1584x^3+534x^2+94x-1)$  lgdogf  
A080489 6.59559  $[ 4*(1584x^3+534x^2+94x-1)/(100x-1)$  ogf]  
A080490 3.95735  $[ \{a(n+4)-100*a(n+3), a(0) = 5, a(1) = 15, a(2) = 105, a(3) = 10185\},$  ogf]  
A080490 6.43273  $3*(1-186x+4200x^3+9237x^2)/(100x-1)/(63x^3+279x^2+97x-1)$  lgdogf  
A080490 6.70197  $[ 5*(63x^3+279x^2+97x-1)/(100x-1)$  ogf]  
A080491 3.95735  $[ \{a(n+4)-100*a(n+3), a(0) = 6, a(1) = 36, a(2) = 396, a(3) = 30096\},$  ogf]  
A080491 6.14033  $6*(1-178x+52800x^3+8108x^2)/(100x-1)/(1584x^3+534x^2+94x-1)$  lgdogf  
A080491 6.59559  $[ 6*(1584x^3+534x^2+94x-1)/(100x-1)$  ogf]  
A080492 4.93040  $[ \{-a(n+3)+100*a(n+2), a(0) = 7, a(1) = 77, a(2) = 1771\},$  ogf]  
A080492 5.47822  $[ -(84700x^2-1694x+11)/(-84700x^3-8053x^2+189x-1)$  lgdogf]  
A080492 8.53338  $[ 7*(847x^2+89x-1)/(100x-1)$  ogf]  
A080492 9.03076  $11*(1-154x+7700x^2)/(100x-1)/(847x^2+89x-1)$  lgdogf  
A080493 4.93040  $[ \{-a(n+3)+100*a(n+2), a(0) = 8, a(1) = 48, a(2) = 1248\},$  ogf]  
A080493 5.61691  $[ -(44400x^2-888x+6)/(-44400x^3-8956x^2+194x-1)$  lgdogf]  
A080493 8.53338  $[ 8*(444x^2+94x-1)/(100x-1)$  ogf]  
A080493 9.22291  $6*(1-148x+7400x^2)/(100x-1)/(444x^2+94x-1)$  lgdogf  
A080494 4.93040  $[ \{-a(n+3)+100*a(n+2), a(0) = 9, a(1) = 99, a(2) = 9009\},$  ogf]  
A080494 5.68892  $[ -(9900x^2-198x+11)/(-9900x^3-8801x^2+189x-1)$  lgdogf]  
A080494 8.70071  $[ 9*(99x^2+89x-1)/(100x-1)$  ogf]  
A080494 9.63281  $11*(1-18x+900x^2)/(100x-1)/(99x^2+89x-1)$  lgdogf  
A080512 11.7209  $[ -(-2x^3-9x^2-6x-3)/(-x^4-3x^3+3x+1)$  lgdogf]  
A080512 14.8053  $[ (x^2+3x+1)/(x-1)^2/(x+1)^2$  ogf]

A080512 18.7960  $-(3+6*x+2*x^3+9*x^2)/(x-1)/(x+1)/(1+x^2+3*x)$  lgdogf  
A080512 7.27502  $[{(n+4)*a(n+1)+(-n-2)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 3},$   
ogf]  
A080513 10.2148  $[ -(-x^3+x^2+2*x+2)/(-x^4+x^3+2*x^2-x-1)$  lgdogf]  
A080513 13.3964  $[ -(x^2-x-1)/(x+1)/(x-1)^2$  ogf]  
A080513 5.80859  $-(-2-2*x+x^3-x^2)/(-1+x)/(x+1)/(x^2-x-1)$  lgdogf  
A080513 7.29628  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 2},$  ogf]  
A080522 8.03958  $[ -(2*x^4-5*x^3+x^2+2*x-1)/(2*x-1)/(x-1)^3$  ogf]  
A080522 9.99445  $-(3-14*x+4*x^4-24*x^3+28*x^2)/(x-1)/(2*x-1)/$   
 $(2*x^4-5*x^3+x^2+2*x-1)$  lgdogf  
A080559 13.7866  $12/(x+1)$  lgdogf  
A080599 15.5196  $[ -(-2*x-2)/(-x^2-2*x+2)$  lgdegf]  
A080599 22.5740  $[ -2/(x^2+2*x-2)$  egf]  
A080599 36.6288  $-2*(x+1)/(x^2-2+2*x)$  lgdegf  
A080599 5.24606  $[{(n^2+5*n+6)*a(n+1)+(2*n+6)*a(n+2)-2*a(n+3), a(0) = 1, a(1) =$   
 $1, a(2) = 3},$  ogf]  
A080609 12.5586  $[ -(8*x-4)/(8*x^2-8*x+1)$  lgdogf]  
A080609 16.4066  $-(-4*x+(1+8*x^2)^(1/2))/(-1+8*x^2)*x$  revogf  
A080609 23.6255  $-4*(-1+2*x)/(8*x^2+1-8*x)$  lgdogf  
A080609 3.93997  $[{(-n-3)*a(n+3)+(20+8*n)*a(n+2)+(-16-8*n)*a(n+1), a(0) = 1, a(1)$   
 $= 4, a(2) = 20},$  ogf]  
A080610 10.7505  $-2*(-2-5*x+8*x^3+24*x^4-10*x^2)/(x-1)/(2*x+1)/(2*x-1)/(4*x+1)/(x$   
 $+1)$  lgdogf  
A080610 13.7881  $[ x*(4*x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A080610 7.16442  $[ -(48*x^4+16*x^3-20*x^2-10*x-4)/(16*x^5+4*x^4-20*x^3-5*x^2+4*x$   
 $+1)$  lgdogf]  
A080612 15.9062  $[ -(x^7-x^5-1)/(x-1)^2$  ogf]  
A080612 19.7677  $(2-7*x^6+5*x^7-3*x^5+5*x^4)/(x-1)/(x^7-x^5-1)$  lgdogf  
A080612 5.56229  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) =$   
 $4, a(4) = 5, a(5) = 7, a(6) = 9, a(7) = 10},$  ogf]  
A080612 9.06654  $[ -(5*x^7-7*x^6-3*x^5+5*x^4+2)/(-x^8+x^7+x^6-x^5+x-1)$  lgdogf]  
A080643 11.4034  $[ -(24*x^2+24*x-5)/(-24*x^3+26*x^2-9*x+1)$  lgdogf]  
A080643 15.5086  $[ -2*x*(2*x-1)/(4*x-1)/(3*x-1)$  ogf]  
A080643 19.1413  $-(5-24*x+24*x^2)/(3*x-1)/(2*x-1)/(4*x-1)$  lgdogf  
A080643 19.1413  $-1/8*(-2-7*x+(4+12*x+x^2)^(1/2))/(1+3*x)$  revogf  
A080643 7.52843  $[{a(n+3)-7*a(n+2)+12*a(n+1), a(0) = 0, a(1) = 2, a(2) = 10},$   
ogf]  
A080646 5.18796  $[$   
 $(3*x^34-2*x^33+3*x^32-3*x^28+3*x^26-2*x^25+3*x^24-3*x^20+3*x^12-3*x^4+3*x^2-2*x$   
 $+3)/(x^32+x^24+1)/(x-1)^2$  ogf]  
A080652 5.23019  $[ (x^21-$   
 $x^20+3*x^11+2*x^10+2*x^9+3*x^8+2*x^7+3*x^6+2*x^5+3*x^4+2*x^3+2*x^2+3*x+2)/(x+1)/$   
 $(x^4-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2$  ogf]  
A080663 12.6759  $[ -(-x^2+8*x+11)/(-x^3+6*x^2-3*x-2)$  lgdogf]  
A080663 13.5071  $[ (x^2-5*x-2)/(x-1)^3$  ogf]  
A080663 25.2666  $-(-11-8*x+x^2)/(x-1)/(x^2-5*x-2)$  lgdogf  
A080663 7.22747  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 11, a(2) =$   
 $26},$  ogf]  
A080674 16.2226  $[ -(8*x-5)/(4*x^2-5*x+1)$  lgdogf]  
A080674 18.7539  $-1/8*(-4-5*x+(4+x)^(1/2)*(4+9*x)^(1/2))/x$  revogf  
A080674 21.0456  $[ 4*x/(x-1)/(4*x-1)$  ogf]  
A080674 33.4309  $-(-5+8*x)/(4*x-1)/(x-1)$  lgdogf  
A080674 9.61341  $[{a(n+2)-5*a(n+1)+4*a(n), a(0) = 0, a(1) = 4},$  ogf]  
A080675 11.7187  $[ -(4*x^2+8*x-6)/(4*x^3-x^2-4*x+1)$  lgdogf]  
A080675 16.6666  $[ 2*(x+1)/(x-1)/(4*x-1)$  ogf]  
A080675 17.1424  $-1/4*(-2-5*x+(4+28*x+9*x^2)^(1/2))/(-1+2*x)$  revogf  
A080675 19.3980  $-2*(-3+4*x+2*x^2)/(x-1)/(-1+4*x)/(x+1)$  lgdogf  
A080675 9.03613  $[{-a(n+2)+5*a(n+1)-4*a(n), a(0) = 2, a(1) = 12},$  ogf]  
A080679 6.69192  $[ -x^4*(x^11+x^10+x^9+x^8+x^6+x^4+x^3+1)/(x-1)/(x+1)/(x^2+1)/$   
 $(x^4+1)/(x^8+1)$  ogf]  
A080687 9.00279  $-(-1-5*x+4*x^2+(-(-1+4*x)*(x+1)^2)^(1/2))/(-1+4*x)/(x^2-2*x+2)$

lgdegf  
 A080706 5.73227 [ -  
 $(x^{12}-5x^{11}-5x^{10}-7x^9-5x^8-5x^7-2x^6-5x^5-5x^4-2x^3-5x^2-5x-3)/(x+1)/(x^4-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2$  ogf ]  
 A080709 8.79951 [ -(20x^7+42x^6+145x^5+89x^4+58x^3+37x^2+16x+4)/(x-1)/(x+1)/(x^2+1)/(x^4+1) ogf ]  
 A080724 5.90990 [ (2x^29-2x^23+2x^21-x^19+2x^18-2x^17+2x^11-2x^5+2x^3-x+2)/(x^2+1)/(x^4-x^2+1)/(x^12-x^6+1)/(x-1)^2 ogf ]  
 A080726 5.67630 [ x\*(2x^29-2x^23+2x^21-2x^19+3x^18-2x^17+2x^11-2x^5+2x^3-2x+3)/(x^2+1)/(x^4-x^2+1)/(x^12-x^6+1)/(x-1)^2 ogf ]  
 A080727 4.43155 [ (2x^33-2x^30+2x^29-3x^27+2x^24-2x^21+2x^20+3x^18-2x^9+2x^6-2x^3+2x^2+1)/(x^27+x^18+1)/(x-1)^2 ogf ]  
 A080734 8.50665 [ (2x^7+3x^6+3x^5+2x^4+3x^3+3x^2+3x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf ]  
 A080770 11.9211 -2\*(-43+58x+8x^3-35x^2)/(x-1)/(24x^4-80x^3+85x^2-18x-17) lgdogf  
 A080770 7.58103 [ -(-16x^3+70x^2-116x+86)/(-24x^5+104x^4-165x^3+103x^2-x-17) lgdogf ]  
 A080770 8.50760 [ -(24x^4-80x^3+85x^2-18x-17)/(x-1)^4 ogf ]  
 A080775 24.8609 [ 24/(-24x+1) lgdegf ]  
 A080775 33.9012 [ -1/(24x-1) egf ]  
 A080775 56.5182 -24/(-1+24x) lgdegf  
 A080775 8.19590 [ {(-24n-48)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 24}, ogf ]  
 A080782 12.3341 [ (x^3-x^2+2x+1)/(x^2+x+1)/(x-1)^2 ogf ]  
 A080782 14.3814 -(3+x+x^5-x^4+6x^3+8x^2)/(x-1)/(x^2+x+1)/(x^3-x^2+2x+1) lgdogf  
 A080782 5.18937 [ {(n+4)\*a(n+1)+a(n+2)+a(n+3)+(-n-3)\*a(n+4), a(0) = 1, a(1) = 3, a(2) = 2, a(3) = 4}, ogf ]  
 A080806 9.20767 -(3+14x+x^4-4x^3+6x^5+x^6+27x^2)/(x-1)/(x^2+4x+1)/(x^4-10x^2+1) lgdogf  
 A080806 9.82367 [ -(x-1)\*(x^2+4x+1)/(x^4-10x^2+1) ogf ]  
 A080827 10.5209 [ -(x^4+4x^2+4x+3)/(x^5-x^4+2x^2-x-1) lgdogf ]  
 A080827 12.1982 [ -(x^3-x^2+x+1)/(x+1)/(x-1)^3 ogf ]  
 A080827 18.7663 -(3+4x+x^4+4x^2)/(x-1)/(x+1)/(x^3-x^2+x+1) lgdogf  
 A080833 10.9245 [ -(x^2+1)/(-x^4-2x^3+x^2+2x-1) lgdegf ]  
 A080833 38.4571 (1+x^2)/(x^2+x-1)^2 lgdegf  
 A080834 16.5031 -(-2-x+2x^3+2x^2)/(x^2+x-1)^2 lgdegf  
 A080834 6.53946 [ -(-2x^3-2x^2+x+2)/(-x^4-2x^3+x^2+2x-1) lgdegf ]  
 A080835 15.2401 (x+1)\*(2x^2-x+1)/(x^3+x^2+x-1)^2 lgdegf  
 A080835 6.12483 [ -(2x^3+x^2+1)/(-x^6-2x^5-3x^4+x^2+2x-1) lgdegf ]  
 A080836 6.29658 [ -(3x^4+2x^3+x^2+1)/(-x^8-2x^7-3x^6-4x^5-x^4+x^2+2x-1) lgdegf ]  
 A080838 11.9651 [ -(-5x^2-14x-5)/(-x^3-2x^2+x+2) lgdogf ]  
 A080838 23.4509 -(5+14x+5x^2)/(x-1)/(x+2)/(x+1) lgdogf  
 A080838 4.52169 [ {(n^2+7n+12)\*a(n+1)+(8+2n)\*a(n+2)+(-n^2-3n)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2}, ogf ]  
 A080838 9.14976 [ x^3\*(x+2)/(x+1)^2/(x-1)^4 ogf ]  
 A080855 13.1806 [ -(7x^2+x+1)/(x-1)^3 ogf ]  
 A080855 13.1806 [ -(-7x^2-16x-4)/(-7x^3+6x^2+1) lgdogf ]  
 A080855 24.6469 -(x+2)\*(7x+2)/(x-1)/(7x^2+x+1) lgdogf  
 A080855 7.11517 [ {a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 16}, ogf ]  
 A080856 11.8534 [ -(-13x^2-30x-5)/(-13x^3+11x^2+x+1) lgdogf ]  
 A080856 13.0005 [ -(13x^2+2x+1)/(x-1)^3 ogf ]  
 A080856 21.3756 -(5+30x+13x^2)/(x-1)/(13x^2+2x+1) lgdogf  
 A080856 7.13303 [ {a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 25}, ogf ]  
 A080857 11.1407 [ -(-21x^2-48x-6)/(-21x^3+18x^2+2x+1) lgdogf ]  
 A080857 12.2188 [ -(21x^2+3x+1)/(x-1)^3 ogf ]

A080857 19.5451  $-3*(2+16*x+7*x^2)/(x-1)/(21*x^2+3*x+1)$  lgdogf  
A080857 6.70414  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 36\},$   
ogf ]  
A080859 11.9259  $[ -(3*x^2+22*x+11)/(3*x^3+5*x^2-7*x-1)$  lgdogf ]  
A080859 12.9035  $[ -(3*x^2+8*x+1)/(x-1)^3$  ogf ]  
A080859 21.4437  $-(11+22*x+3*x^2)/(x-1)/(3*x^2+8*x+1)$  lgdogf  
A080859 6.90449  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 11, a(2) =$   
33}, ogf ]  
A080860 12.0695  $[ -(6*x^2+38*x+16)/(6*x^3+7*x^2-12*x-1)$  lgdogf ]  
A080860 13.0429  $[ -(6*x^2+13*x+1)/(x-1)^3$  ogf ]  
A080860 20.8846  $-2*(8+19*x+3*x^2)/(x-1)/(6*x^2+13*x+1)$  lgdogf  
A080860 7.09349  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 16, a(2) =$   
51}, ogf ]  
A080861 10.9597  $[ -(10*x^2+58*x+22)/(10*x^3+9*x^2-18*x-1)$  lgdogf ]  
A080861 12.0035  $[ -(10*x^2+19*x+1)/(x-1)^3$  ogf ]  
A080861 18.5366  $-2*(11+29*x+5*x^2)/(x-1)/(10*x^2+19*x+1)$  lgdogf  
A080861 6.63351  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 22, a(2) =$   
73}, ogf ]  
A080863 6.97844  $[ (5*x^8+2*x^7+28*x^6+30*x^5+30*x^4+30*x^3+30*x^2+30*x+25)/(x$   
+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf ]  
A080864 6.97844  $[ (3*x^8+2*x^7+28*x^6+30*x^5+30*x^4+30*x^3+30*x^2+30*x+27)/(x$   
+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf ]  
A080871 9.68469  $[ -(x^3+4*x^2-x-1)/(x^4-8*x^2+1)$  ogf ]  
A080871 9.94068  $-(x^4+6*x^3-8*x^2+6*x+1)*(x+1)^2/(x^3+4*x^2-x-1)/(x^4-8*x^2+1)$   
lgdogf  
A080872 10.1450  $-(x^4+8*x^3-10*x^2+8*x+1)*(x+1)^2/(x^3+5*x^2-x-1)/(x^4-10*x^2+1)$   
lgdogf  
A080872 13.5799  $[ -(x^3+5*x^2-x-1)/(x^4-10*x^2+1)$  ogf ]  
A080873 10.0373  $[ -(3*x^3+8*x^2-x-1)/(x^4-10*x^2+1)$  ogf ]  
A080873 9.14480  $-(1+4*x+16*x^5+27*x^4-4*x^3+3*x^6+x^2)/(3*x^3+8*x^2-x-1)/$   
(x^4-10\*x^2+1) lgdogf  
A080874 10.0373  $[ -(2*x^3+7*x^2-x-1)/(x^4-10*x^2+1)$  ogf ]  
A080874 8.89425  $-(1+6*x+14*x^5+17*x^4-4*x^3+2*x^6+4*x^2)/(2*x^3+7*x^2-x-1)/$   
(x^4-10\*x^2+1) lgdogf  
A080875 9.26647  $-(x^4+10*x^3-12*x^2+10*x+1)*(x+1)^2/(x^3+6*x^2-x-1)/$   
(x^4-12\*x^2+1) lgdogf  
A080875 9.46156  $[ -(x^3+6*x^2-x-1)/(x^4-12*x^2+1)$  ogf ]  
A080876 10.1019  $[ -(6*x^3+7*x^2-x-1)/(2*x^2+2*x-1)/(2*x^2-2*x-1)$  ogf ]  
A080876 6.19457  $[ \{a(n+4)-8*a(n+2)+4*a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) =$   
2}, ogf ]  
A080876 7.22645  $-(1+2*x-10*x^2-16*x^3+36*x^4+56*x^5+24*x^6)/(2*x^2+2*x-1)/$   
(2\*x^2-2\*x-1)/(6\*x^3+7\*x^2-x-1) lgdogf  
A080877 10.6190  $[ -(3*x^3+4*x^2-x-1)/(4*x^4-6*x^2+1)$  ogf ]  
A080877 9.01995  $-(1+4*x+32*x^5+6*x^4-16*x^3+12*x^6-3*x^2)/(3*x^3+4*x^2-x-1)/$   
(4\*x^4-6\*x^2+1) lgdogf  
A080878 10.9359  $[ -(2*x+1)*(x^2+x-1)/(4*x^4-6*x^2+1)$  ogf ]  
A080878 11.2435  $-(1+6*x+8*x^6+24*x^5-16*x^3)/(2*x+1)/(x^2+x-1)/(4*x^4-6*x^2+1)$   
lgdogf  
A080879 7.21207  $-(1+12*x+4*x^6+5*x^2-16*x^3-4*x^4+16*x^5)/(2*x^2+2*x-1)/$   
(2\*x^2-2\*x-1)/(x^3+2\*x^2-x-1) lgdogf  
A080879 9.63400  $[ -(x^3+2*x^2-x-1)/(2*x^2+2*x-1)/(2*x^2-2*x-1)$  ogf ]  
A080880 11.5014  $[ -(5*x^3+3*x^2-2*x-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf ]  
A080880 8.43084  $-(2+4*x-16*x^3+x^4+24*x^5+20*x^6-5*x^2)/(x-1)/(2*x+1)/(2*x-1)/(x$   
+1)/(5\*x^3+3\*x^2-2\*x-1) lgdogf  
A080881 8.74991  $-(x+1)*(4*x^5+4*x^4-17*x^3+x^2+18*x+2)/(x^3+x^2-2*x-1)/$   
(4\*x^4-11\*x^2+1) lgdogf  
A080881 9.60786  $[ -(x^3+x^2-2*x-1)/(4*x^4-11*x^2+1)$  ogf ]  
A080882 7.22838  $-(3+14*x+18*x^2-16*x^3-20*x^4+8*x^5+8*x^6)/(2*x^2+2*x-1)/$   
(2\*x^2-2\*x-1)/(2\*x^3+x^2-3\*x-1) lgdogf  
A080882 9.98892  $[ -(2*x^3+x^2-3*x-1)/(2*x^2+2*x-1)/(2*x^2-2*x-1)$  ogf ]  
A080889 4.93197  $[ -(x^13-x^5+1)/(x^16-x^15+2*x^14+x^13-$

$x^{10}-2x^8+x^7-2x^6+2x^5+x^3-x^2+2x-1$ ) ogf]  
A080891 13.0643  $[-x(x-1)(x+1)/(x^4+x^3+x^2+x+1)$  ogf]  
A080891 18.2335  $-(-1-4x+2x^5-4x^2-4x^3+x^4)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
lgdogf  
A080891 29.2190  $[[x^4-x-1]$  ogf\_with\_Euler\_transform]  
A080891 9.64980  $[-(2x^5-x^4+4x^3+4x^2+4x+1)/(-x^6-x^5+x+1)]$  lgdogf]  
A080893 20.3358  $[1/(1-4x)^{(1/2)}]$  lgdegf]  
A080893 32.8142  $-1+(1-4x)*f(x)^2$  lgdegf  
A080894 11.4358  $1+(-1+2x+3x^2)*f(x)+(3x^4-x^2+2x^3)*f(x)^2$  lgdegf  
A080894 6.25127  $[-1/2*I/(3x-1)^{(1/2)}*(x-1)/(x+1)^{(1/2)}/x^2-1/2/x^2]$  lgdegf]  
A080895 12.2072  $[1/(-3x^2-2x+1)^{(1/2)}/(x+1)]$  lgdegf]  
A080895 18.5215  $-1+(1-6x^2-8x^3-3x^4)*f(x)^2$  lgdegf  
A080896 6.06978  $(n+4)*a(n+4)+(-11-3n)*a(n+3)+(-10-n)*a(n+2)+(9+3n)*a(n+1), a(0)=1, a(1)=2, a(2)=9, a(3)=28$  lgdegf  
A080907 8.94213  $(2+4x^6-9x^5+5x^4+47x^24-45x^23+23x^22+24x^26-49x^25)/(x-1)/(x^26-x^25+x^24-x^23+x^6-x^5-1)$  lgdogf  
A080907 9.70298  $[-(x^26-x^25+x^24-x^23+x^6-x^5-1)/(x-1)^2]$  ogf]  
A080920 11.5692  $[-(70x-2)/(-35x^2-2x+1)]$  lgdogf]  
A080920 15.2226  $[-x/(5x+1)/(7x-1)]$  ogf]  
A080920 15.3872  $1/70/x*(-2x-1+(144x^2+4x+1)^{(1/2)})$  revogf  
A080920 21.0861  $-2*(1+35x)/(5x+1)/(7x-1)$  lgdogf  
A080920 7.05438  $[{-a(n+2)+2a(n+1)+35a(n), a(0)=0, a(1)=1}]$ , ogf]  
A080921 12.3608  $[-(96x-2)/(-48x^2-2x+1)]$  lgdogf]  
A080921 16.2642  $[-x/(6x+1)/(8x-1)]$  ogf]  
A080921 16.4569  $1/96/x*(-2x-1+(196x^2+4x+1)^{(1/2)})$  revogf  
A080921 22.5520  $-2*(1+48x)/(6x+1)/(8x-1)$  lgdogf  
A080921 7.53705  $[{-a(n+2)+2a(n+1)+48a(n), a(0)=0, a(1)=1}]$ , ogf]  
A080923 15.5753  $[(x-1)*(x+1)/(3x-1)]$  ogf]  
A080923 18.9562  $(3-2x+3x^2)/(x-1)/(3x-1)/(x+1)$  lgdogf  
A080923 7.60224  $[{-a(n+3)+3a(n+2), a(0)=1, a(1)=3, a(2)=8}]$ , ogf]  
A080923 9.97794  $[-(3x^2-2x+3)/(-3x^3+x^2+3x-1)]$  lgdogf]  
A080924 10.0327  $[-(32x^3+28x^2+8x+3)/(16x^4+20x^3-5x-1)]$  lgdogf]  
A080924 13.3769  $[-x*(4x+1)/(2x+1)/(2x-1)/(x+1)]$  ogf]  
A080924 14.4475  $-(3+8x+32x^3+28x^2)/(4x+1)/(2x+1)/(2x-1)/(x+1)$  lgdogf  
A080924 6.86923  $[{-a(n+3)-a(n+2)+4a(n+1)+4a(n), a(0)=0, a(1)=1, a(2)=3}]$ , ogf]  
A080925 10.4540  $[-(9x^2+6x+5)/(9x^3+9x^2-x-1)]$  lgdogf]  
A080925 13.6542  $[-x*(3x+1)/(x+1)/(3x-1)]$  ogf]  
A080925 16.4792  $1/6*(-2x-1+(16x^2+16x+1)^{(1/2)})/(1+x)$  revogf  
A080925 18.3102  $-(5+6x+9x^2)/(3x-1)/(3x+1)/(x+1)$  lgdogf  
A080925 6.62432  $[{a(n+3)-2a(n+2)-3a(n+1), a(0)=0, a(1)=1, a(2)=5}]$ , ogf]  
A080926 11.0318  $[x*(3x+1)/(x-1)/(3x-1)/(x+1)]$  ogf]  
A080926 12.3808  $-2*(-3-x+3x^2+9x^3)/(x-1)/(-1+3x)/(3x+1)/(x+1)$  lgdogf  
A080926 5.66498  $[{-a(n+3)+3a(n+2)+a(n+1)-3a(n), a(0)=0, a(1)=1, a(2)=6}]$ , ogf]  
A080926 8.98304  $[-(18x^3+6x^2-2x-6)/(9x^4-10x^2+1)]$  lgdogf]  
A080929 12.5883  $[-3/(-8x^4+16x^3-12x^2+5x-1)]$  lgdogf]  
A080929 22.9807  $3/(x-1)/(2x-1)/(4x^2-2x+1)$  lgdogf  
A080929 5.03533  $[{a(n+4)-6a(n+3)+12a(n+2)-8a(n+1), a(0)=1, a(1)=3, a(2)=12, a(3)=40}]$ , ogf]  
A080929 9.71099  $[(x-1)*(4x^2-2x+1)/(2x-1)^3]$  ogf]  
A080930 12.9249  $-(-5+10x+4x^3-10x^2)/(x-1)/(2x-1)/(2x^2-2x+1)$  lgdogf  
A080930 18.3102  $1/2*(-1+(1+8x)^{(1/4)})/(1+8x)^{(1/4)}$  revogf  
A080930 6.40334  $[{(2n+12)*a(n+1)+(-n-3)*a(n+2), a(0)=1, a(1)=5}]$ , ogf]  
A080930 8.00418  $[-(-4x^3+10x^2-10x+5)/(-4x^4+10x^3-10x^2+5x-1)]$  lgdogf]  
A080930 8.40439  $[-(x-1)*(2x^2-2x+1)/(2x-1)^4]$  ogf]  
A080937 12.6964  $[-(3x-1)*(x-1)/(x^3-6x^2+5x-1)]$  ogf]  
A080937 12.8985  $-(1-6x+3x^4-8x^3+12x^2)/(x-1)/(3x-1)/(x^3-6x^2+5x-1)$  lgdogf  
A080937 6.91499  $[{-a(n+3)+5a(n+2)-6a(n+1)+a(n), a(0)=1, a(1)=1, a(2)=2}]$ , ogf]

A080937 7.74479  $[-(-3*x^4+8*x^3-12*x^2+6*x-1)/(-3*x^5+22*x^4-40*x^3+29*x^2-9*x+1) \text{ lgdogf}]$   
A080938 7.48045  $-(1-10*x+4*x^6-20*x^5+38*x^2-68*x^3+58*x^4)/(x-1)/(2*x-1)/(2*x^2-4*x+1)/(x^3-9*x^2+6*x-1) \text{ lgdogf}$   
A080938 8.48679  $[-(2*x-1)*(2*x^2-4*x+1)/(x-1)/(x^3-9*x^2+6*x-1) \text{ ogf}]$   
A080951 13.8054  $5/(x-1)/(-1+2*x)/(16*x^4-24*x^3+16*x^2-4*x+1) \text{ lgdogf}$   
A080951 5.76472  $[(x-1)*(16*x^4-24*x^3+16*x^2-4*x+1)/(2*x-1)^5 \text{ ogf}]$   
A080951 6.53731  $[ \{(-2*n-10)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 5\}, \text{ ogf}]$   
A080951 8.56918  $[-5/(-32*x^6+96*x^5-120*x^4+80*x^3-30*x^2+7*x-1) \text{ lgdogf}]$   
A080952 17.3027  $1/2*(-1+(1+4*x)^(1/6))/(1+4*x)^(1/6) \text{ revogf}$   
A080952 5.16756  $[-(x-1)*(4*x^2-2*x+1)*(4*x^2-6*x+3)/(2*x-1)^6 \text{ ogf}]$   
A080952 5.99632  $[ \{(2*n+16)*a(n+1)+(-n-3)*a(n+2), a(0) = 3, a(1) = 21\}, \text{ ogf}]$   
A080952 7.41545  $-(21+70*x-112*x^4+168*x^3+32*x^5-140*x^2)/(x-1)/(2*x-1)/(4*x^2-2*x+1)/(4*x^2-6*x+3) \text{ lgdogf}$   
A080954 13.6916  $[-(-6+5*x)/(-x+1) \text{ lgdegf}]$   
A080954 31.5228  $-6+5*x+(1-x)*f(x) \text{ lgdegf}$   
A080954 4.02696  $[ \{(-5*n-10)*a(n+1)+(n+8)*a(n+2)-a(n+3), a(0) = 1, a(1) = 6, a(2) = 37\}, \text{ ogf}]$   
A080956 15.4291  $[(2*x-1)/(x-1)^3 \text{ ogf}]$   
A080956 17.0363  $[-(-4*x+1)/(-2*x^2+3*x-1) \text{ lgdogf}]$   
A080956 43.8788  $-(-1+4*x)/(2*x-1)/(x-1) \text{ lgdogf}$   
A080956 7.36704  $[ \{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 0\}, \text{ ogf}]$   
A080957 11.3926  $[(6*x^2-9*x+5)/(x-1)^4 \text{ ogf}]$   
A080957 11.3926  $[-(-12*x^2+15*x-11)/(-6*x^3+15*x^2-14*x+5) \text{ lgdogf}]$   
A080957 20.8391  $-(11-15*x+12*x^2)/(x-1)/(6*x^2-9*x+5) \text{ lgdogf}$   
A080957 3.83459  $[ \{(-5*n-20)*a(n+4)+(53+14*n)*a(n+3)+(-45-15*n)*a(n+2)+(18+6*n)*a(n+1), a(0) = 5, a(1) = 11, a(2) = 20, a(3) = 34\}, \text{ ogf}]$   
A080960 13.9355  $[(x+1)/(4*x-1)/(2*x-1) \text{ ogf}]$   
A080960 14.2920  $-1/2*(-1-6*x+(1+16*x+4*x^2)^(1/2))/(-1+8*x) \text{ revogf}$   
A080960 16.1725  $-(-7+16*x+8*x^2)/(4*x-1)/(2*x-1)/(x+1) \text{ lgdogf}$   
A080960 7.64754  $[ \{-a(n+2)+6*a(n+1)-8*a(n), a(0) = 1, a(1) = 7\}, \text{ ogf}]$   
A080960 9.64766  $[-(8*x^2+16*x-7)/(8*x^3+2*x^2-5*x+1) \text{ lgdogf}]$   
A080961 12.5752  $[(x+1)/(5*x-1)/(3*x-1) \text{ ogf}]$   
A080961 12.8700  $-1/2*(-1-8*x+(1+20*x+4*x^2)^(1/2))/(-1+15*x) \text{ revogf}$   
A080961 14.1570  $-3*(-3+10*x+5*x^2)/(3*x-1)/(5*x-1)/(x+1) \text{ lgdogf}$   
A080961 8.96939  $[ \{-a(n+2)+8*a(n+1)-15*a(n), a(0) = 1, a(1) = 9\}, \text{ ogf}]$   
A080961 8.63372  $[-(15*x^2+30*x-9)/(15*x^3+7*x^2-7*x+1) \text{ lgdogf}]$   
A080962 12.1104  $[(x+1)/(6*x-1)/(4*x-1) \text{ ogf}]$   
A080962 12.3824  $-1/2*(-1-10*x+(1+24*x+4*x^2)^(1/2))/(-1+24*x) \text{ revogf}$   
A080962 13.9301  $-(-11+48*x+24*x^2)/(6*x-1)/(4*x-1)/(x+1) \text{ lgdogf}$   
A080962 6.69634  $[ \{-a(n+2)+10*a(n+1)-24*a(n), a(0) = 1, a(1) = 11\}, \text{ ogf}]$   
A080962 8.24912  $[-(24*x^2+48*x-11)/(24*x^3+14*x^2-9*x+1) \text{ lgdogf}]$   
A080963 4.90668  $[-(-3*x^15+2*x^14-x^13+2*x^12-4*x^11+2*x^10-x^9+2*x^8-4*x^7+2*x^6-x^5+2*x^4-4*x^3+2*x^2-x+2)/(x^16-1) \text{ ogf\_with\_Euler\_transform}]$   
A080964 4.52766  $[-(3*x^15-2*x^14+3*x^13-2*x^12-x^11-2*x^10+3*x^9-2*x^8+6*x^7-2*x^6+3*x^5-2*x^4-x^3-2*x^2+3*x-2)/(-x^16+1) \text{ ogf\_with\_Euler\_transform}]$   
A080965 13.0100  $[ -(-3*x^3+4*x^2-8*x+4)/(x^4-1) \text{ ogf\_with\_Euler\_transform}]$   
A080966 15.6117  $[ -(-3*x^3+2*x^2-4*x+2)/(x^4-1) \text{ ogf\_with\_Euler\_transform}]$   
A080995 7.53960  $[ -(x^4+x+1)/(-x^5-x^4-x^3-x^2-x-1) \text{ ogf\_with\_Euler\_transform}]$   
A081002 10.1817  $[(2*x^2+4*x-1)/(x-1)/(x^2-7*x+1) \text{ ogf}]$   
A081002 5.49630  $[ \{a(n+3)-8*a(n+2)+8*a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 22\}, \text{ ogf}]$   
A081002 9.98203  $-(-4+20*x+2*x^4+8*x^3-51*x^2)/(x-1)/(x^2-7*x+1)/(2*x^2+4*x-1) \text{ lgdogf}$   
A081003 11.1178  $-(-6-26*x+62*x^2-20*x^3+3*x^4)/(x-1)/(x^2-7*x+1)/(3*x^2-10*x+2) \text{ lgdogf}$   
A081003 11.3172  $[ -(3*x^2-10*x+2)/(x-1)/(x^2-7*x+1) \text{ ogf}]$   
A081003 6.20943  $[ \{-a(n+3)+8*a(n+2)-8*a(n+1)+a(n), a(0) = 2, a(1) = 6, a(2) =$

35}], ogf]

A081003 6.74679  $[-(-3x^4+20x^3-62x^2+26x-6)/(-3x^5+34x^4-106x^3+99x^2-26x+2) \text{ lgdogf}]$

A081004 13.4139  $[(7x-2)/(x-1)/(x^2-7x+1) \text{ ogf}]$

A081004 13.6975  $[-(-9+32x-62x^2+14x^3)/(7x-2)/(-1+x)/(x^2-7x+1) \text{ lgdogf}]$

A081004 6.29150  $[\{a(n+3)-8a(n+2)+8a(n+1)-a(n), a(0) = 2, a(1) = 9, a(2) = 56\}, \text{ ogf}]$

A081004 8.26673  $[-(14x^3-62x^2+32x-9)/(7x^4-58x^3+72x^2-23x+2) \text{ lgdogf}]$

A081005 11.2847  $[-(14-44x+73x^2-20x^3+2x^4)/(x-1)/(x^2-7x+1)/(2x^2-10x+3) \text{ lgdogf}]$

A081005 11.6662  $[-(2x^2-10x+3)/(x-1)/(x^2-7x+1) \text{ ogf}]$

A081005 6.34476  $[\{-a(n+3)+8a(n+2)-8a(n+1)+a(n), a(0) = 3, a(1) = 14, a(2) = 90\}, \text{ ogf}]$

A081005 6.88860  $[-(-2x^4+20x^3-73x^2+44x-14)/(-2x^5+26x^4-99x^3+106x^2-34x+3) \text{ lgdogf}]$

A081006 11.0301  $[(x^2-4x-2)/(x-1)/(x^2-7x+1) \text{ ogf}]$

A081006 11.3907  $[-(-20+34x+x^4-8x^3+18x^2)/(x-1)/(x^2-7x+1)/(x^2-4x-2) \text{ lgdogf}]$

A081006 5.85077  $[\{-a(n+3)+8a(n+2)-8a(n+1)+a(n), a(0) = 2, a(1) = 20, a(2) = 143\}, \text{ ogf}]$

A081006 6.53242  $[-(x^4-8x^3+18x^2+34x-20)/(x^5-12x^4+38x^3-17x^2-12x+2) \text{ lgdogf}]$

A081007 12.2557  $[-x(x+4)/(x-1)/(x^2-7x+1) \text{ ogf}]$

A081007 14.9848  $[-(33-64x+4x^2+2x^3)/(x+4)/(x-1)/(x^2-7x+1) \text{ lgdogf}]$

A081007 6.23728  $[\{a(n+3)-8a(n+2)+8a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 33\}, \text{ ogf}]$

A081007 8.31637  $[-(-2x^3-4x^2+64x-33)/(-x^4+4x^3+24x^2-31x+4) \text{ lgdogf}]$

A081008 12.4184  $[x(2x-7)/(x-1)/(x^2-7x+1) \text{ ogf}]$

A081008 13.4341  $[-(-54+112x-37x^2+4x^3)/(-1+x)/(2x-7)/(x^2-7x+1) \text{ lgdogf}]$

A081008 6.32007  $[\{-a(n+3)+8a(n+2)-8a(n+1)+a(n), a(0) = 0, a(1) = 7, a(2) = 54\}, \text{ ogf}]$

A081008 8.13618  $[-(4x^3-37x^2+112x-54)/(2x^4-23x^3+72x^2-58x+7) \text{ lgdogf}]$

A081009 12.3504  $[-(4x+1)/(x-1)/(x^2-7x+1) \text{ ogf}]$

A081009 13.1101  $[-(12-16x-29x^2+8x^3)/(x-1)/(4x+1)/(x^2-7x+1) \text{ lgdogf}]$

A081009 5.74186  $[\{a(n+3)-8a(n+2)+8a(n+1)-a(n), a(0) = 1, a(1) = 12, a(2) = 88\}, \text{ ogf}]$

A081009 7.70085  $[-(-8x^3+29x^2+16x-12)/(-4x^4+31x^3-24x^2-4x+1) \text{ lgdogf}]$

A081010 10.9413  $[-(7-40x+113x^2-34x^3+4x^4)/(x-1)/(x^2-7x+1)/(4x^2-17x+3) \text{ lgdogf}]$

A081010 11.3172  $[-(4x^2-17x+3)/(x-1)/(x^2-7x+1) \text{ ogf}]$

A081010 6.20943  $[\{-a(n+3)+8a(n+2)-8a(n+1)+a(n), a(0) = 3, a(1) = 7, a(2) = 36\}, \text{ ogf}]$

A081010 6.61949  $[-(-4x^4+34x^3-113x^2+40x-7)/(-4x^5+49x^4-171x^3+164x^2-41x+3) \text{ lgdogf}]$

A081011 5.17683  $[\{-a(n+3)+8a(n+2)-8a(n+1)+a(n), a(0) = 4, a(1) = 15, a(2) = 91\}, \text{ ogf}]$

A081011 9.03400  $[-(15-58x+124x^2-34x^3+3x^4)/(x-1)/(x^2-7x+1)/(3x^2-17x+4) \text{ lgdogf}]$

A081011 9.51869  $[-(3x^2-17x+4)/(x-1)/(x^2-7x+1) \text{ ogf}]$

A081012 10.1167  $[(x^2-8x-3)/(x-1)/(x^2-7x+1) \text{ ogf}]$

A081012 10.2566  $[-(-32+50x+47x^2-16x^3+x^4)/(x-1)/(x^2-7x+1)/(x^2-8x-3) \text{ lgdogf}]$

A081012 5.36626  $[\{a(n+3)-8a(n+2)+8a(n+1)-a(n), a(0) = 3, a(1) = 32, a(2) = 231\}, \text{ ogf}]$

A081013 10.1235  $[x(x-11)/(x-1)/(x^2-7x+1) \text{ ogf}]$

A081013 11.5635  $[-(-87+176x-41x^2+2x^3)/(x-11)/(x-1)/(x^2-7x+1) \text{ lgdogf}]$

A081013 5.19613  $[\{a(n+3)-8a(n+2)+8a(n+1)-a(n), a(0) = 0, a(1) = 11, a(2) = 87\}, \text{ ogf}]$

A081013 6.67231  $[-(2x^3-41x^2+176x-87)/(x^4-19x^3+96x^2-89x+11) \text{ lgdogf}]$

A081014 5.17683  $[\{a(n+3)-8a(n+2)+8a(n+1)-a(n), a(0) = 2, a(1) = 12, a(2) = 77\}, \text{ ogf}]$

A081014 9.32542  $-( -12+38*x-62*x^2+8*x^3+3*x^4)/(x-1)/(x^2-7*x+1)/(3*x^2+4*x-2)$   
lgdogf  
A081014 9.67474  $[(3*x^2+4*x-2)/(x-1)/(x^2-7*x+1) \text{ ogf}]$   
A081015 11.3172  $[5*(2*x-1)/(x-1)/(x^2-7*x+1) \text{ ogf}]$   
A081015 12.2275  $-( -6+16*x+4*x^3-19*x^2)/(x-1)/(2*x-1)/(x^2-7*x+1) \text{ lgdogf}$   
A081015 5.31417  $[ \{a(n+3)-8*a(n+2)+8*a(n+1)-a(n), a(0) = 5, a(1) = 30, a(2) = 200\}, \text{ ogf}]$   
A081015 7.18975  $[-(4*x^3-19*x^2+16*x-6)/(2*x^4-17*x^3+24*x^2-10*x+1) \text{ lgdogf}]$   
A081016 10.7394  $[(2*x-1)/(x-1)/(x^2-7*x+1) \text{ ogf}]$   
A081016 11.1441  $-( -6+16*x-19*x^2+4*x^3)/(x-1)/(-1+2*x)/(x^2-7*x+1) \text{ lgdogf}$   
A081016 5.03707  $[ \{a(n+3)-8*a(n+2)+8*a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 40\}, \text{ ogf}]$   
A081016 6.69634  $[-(4*x^3-19*x^2+16*x-6)/(2*x^4-17*x^3+24*x^2-10*x+1) \text{ lgdogf}]$   
A081017 10.1235  $[5*x*(x-2)/(x-1)/(x^2-7*x+1) \text{ ogf}]$   
A081017 12.0453  $-( -15+32*x-14*x^2+2*x^3)/(x-2)/(x-1)/(x^2-7*x+1) \text{ lgdogf}$   
A081017 5.19613  $[ \{-a(n+3)+8*a(n+2)-8*a(n+1)+a(n), a(0) = 0, a(1) = 10, a(2) = 75\}, \text{ ogf}]$   
A081017 6.82748  $[-(2*x^3-14*x^2+32*x-15)/(x^4-10*x^3+24*x^2-17*x+2) \text{ lgdogf}]$   
A081018 12.5586  $-( -15+32*x+2*x^3-14*x^2)/(x-2)/(x-1)/(x^2-7*x+1) \text{ lgdogf}$   
A081018 13.1471  $[x*(x-2)/(x-1)/(x^2-7*x+1) \text{ ogf}]$   
A081018 6.69091  $[ \{-a(n+3)+8*a(n+2)-8*a(n+1)+a(n), a(0) = 0, a(1) = 2, a(2) = 15\}, \text{ ogf}]$   
A081018 8.71374  $[-(2*x^3-14*x^2+32*x-15)/(x^4-10*x^3+24*x^2-17*x+2) \text{ lgdogf}]$   
A081019 10.0185  $[(2*x^2-4*x-3)/(x-1)/(x^2-7*x+1) \text{ ogf}]$   
A081019 5.31417  $[ \{-a(n+3)+8*a(n+2)-8*a(n+1)+a(n), a(0) = 3, a(1) = 28, a(2) = 198\}, \text{ ogf}]$   
A081019 9.82207  $-( -28+52*x+2*x^4-8*x^3+7*x^2)/(x-1)/(x^2-7*x+1)/(2*x^2-4*x-3) \text{ lgdogf}$   
A081026 11.7880  $[ -(x^4+x^3-2*x-1)/(2*x^2-1)/(x-1)/(x+1) \text{ ogf}]$   
A081026 9.75677  $-(2+6*x+2*x^6+6*x^5-9*x^4-12*x^3+3*x^2)/(x-1)/(x+1)/(2*x^2-1)/(x^4+x^3-2*x-1) \text{ lgdogf}$   
A081031 5.98554  $[ (x+1)*(x^2+1)*(x^4+x^3-x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A081032 5.02623  $[ (2*x^2-x+2)*(x+1)^2/(x^4+x^3+x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A081033 13.0027  $[ (x+1)/(7*x-1)/(5*x-1) \text{ ogf}]$   
A081033 13.3144  $-1/2*(-1-12*x+(1+28*x+4*x^2)^(1/2))/(-1+35*x) \text{ revogf}$   
A081033 14.9787  $-( -13+70*x+35*x^2)/(7*x-1)/(5*x-1)/(x+1) \text{ lgdogf}$   
A081033 7.18975  $[ \{-a(n+2)+12*a(n+1)-35*a(n), a(0) = 1, a(1) = 13\}, \text{ ogf}]$   
A081033 8.73041  $[-(35*x^2+70*x-13)/(35*x^3+23*x^2-11*x+1) \text{ lgdogf}]$   
A081034 12.4669  $[ (x+1)/(8*x-1)/(6*x-1) \text{ ogf}]$   
A081034 12.7592  $-1/2*(-1-14*x+(1+32*x+4*x^2)^(1/2))/(-1+48*x) \text{ revogf}$   
A081034 14.0040  $-3*(-5+32*x+16*x^2)/(6*x-1)/(8*x-1)/(x+1) \text{ lgdogf}$   
A081034 6.89346  $[ \{-a(n+2)+14*a(n+1)-48*a(n), a(0) = 1, a(1) = 15\}, \text{ ogf}]$   
A081034 8.37063  $[-(48*x^2+96*x-15)/(48*x^3+34*x^2-13*x+1) \text{ lgdogf}]$   
A081035 13.0934  $[ (x+1)/(9*x-1)/(7*x-1) \text{ ogf}]$   
A081035 13.4136  $-1/2*(-1-16*x+(1+36*x+4*x^2)^(1/2))/(-1+63*x) \text{ revogf}$   
A081035 14.7222  $-( -17+126*x+63*x^2)/(9*x-1)/(7*x-1)/(x+1) \text{ lgdogf}$   
A081035 7.23986  $[ \{-a(n+2)+16*a(n+1)-63*a(n), a(0) = 1, a(1) = 17\}, \text{ ogf}]$   
A081035 8.66744  $[-(63*x^2+126*x-17)/(63*x^3+47*x^2-15*x+1) \text{ lgdogf}]$   
A081036 11.8075  $[ (x+1)/(10*x-1)/(8*x-1) \text{ ogf}]$   
A081036 12.0753  $-1/2*(-1-18*x+(1+40*x+4*x^2)^(1/2))/(-1+80*x) \text{ revogf}$   
A081036 12.6370  $-( -19+160*x+80*x^2)/(10*x-1)/(-1+8*x)/(x+1) \text{ lgdogf}$   
A081036 6.52884  $[ \{-a(n+2)+18*a(n+1)-80*a(n), a(0) = 1, a(1) = 19\}, \text{ ogf}]$   
A081036 7.81621  $[-(80*x^2+160*x-19)/(80*x^3+62*x^2-17*x+1) \text{ lgdogf}]$   
A081037 11.2590  $[ (x+1)^3/(2*x+1)^2 \text{ ogf}]$   
A081037 14.3083  $[-(-2*x+1)/(2*x^2+3*x+1) \text{ lgdogf}]$   
A081037 32.9351  $(-1+2*x)/(x+1)/(2*x+1) \text{ lgdogf}$   
A081037 6.02454  $[ \{a(n+4)+4*a(n+3)+4*a(n+2), a(0) = 1, a(1) = -1, a(2) = 3, a(3) = -7\}, \text{ ogf}]$   
A081038 12.7784  $[-(-3*x+5)/(-3*x^2+4*x-1) \text{ lgdogf}]$   
A081038 13.6303  $[ -(x-1)/(3*x-1)^2 \text{ ogf}]$



A081038 17.1615  $-1/2*(-1-6*x+(1+8*x)^{(1/2)})/(1+9*x)$  revogf  
A081038 25.0271  $-(-5+3*x)/(3*x-1)/(-1+x)$  lgdogf  
A081038 7.48005  $[{-a(n+2)+6*a(n+1)-9*a(n), a(0) = 1, a(1) = 5}, ogf]$   
A081039 12.4930  $[{-(-4*x+7)/(-4*x^2+5*x-1)}]$  lgdogf  
A081039 13.0361  $[ -(x-1)/(4*x-1)^2 ogf]$   
A081039 15.8729  $-1/2*(-1-8*x+(1+12*x)^{(1/2)})/(1+16*x)$  revogf  
A081039 24.4707  $-(-7+4*x)/(-1+4*x)/(x-1)$  lgdogf  
A081039 7.22484  $[{-a(n+2)+8*a(n+1)-16*a(n), a(0) = 1, a(1) = 7}, ogf]$   
A081040 12.6221  $[{-(-5*x+9)/(-5*x^2+6*x-1)}]$  lgdogf  
A081040 12.8906  $[ -(x-1)/(5*x-1)^2 ogf]$   
A081040 15.6232  $-1/2*(-1-10*x+(1+16*x)^{(1/2)})/(1+25*x)$  revogf  
A081040 25.8122  $-(-9+5*x)/(5*x-1)/(x-1)$  lgdogf  
A081040 7.21261  $[{-a(n+2)+10*a(n+1)-25*a(n), a(0) = 1, a(1) = 9}, ogf]$   
A081041 12.1052  $[{-(-6*x+11)/(-6*x^2+7*x-1)}]$  lgdogf  
A081041 12.6203  $[ -(x-1)/(6*x-1)^2 ogf]$   
A081041 15.2940  $-1/2*(-1-12*x+(20*x+1)^{(1/2)})/(36*x+1)$  revogf  
A081041 24.2155  $-(-11+6*x)/(6*x-1)/(x-1)$  lgdogf  
A081041 6.97829  $[{-a(n+2)+12*a(n+1)-36*a(n), a(0) = 1, a(1) = 11}, ogf]$   
A081042 12.9611  $[{-(-7*x+13)/(-7*x^2+8*x-1)}]$  lgdogf  
A081042 13.5127  $[ -(x-1)/(7*x-1)^2 ogf]$   
A081042 16.3977  $-1/2*(-1-14*x+(24*x+1)^{(1/2)})/(1+49*x)$  revogf  
A081042 25.9630  $-(-13+7*x)/(7*x-1)/(x-1)$  lgdogf  
A081042 7.47171  $[{-a(n+2)+14*a(n+1)-49*a(n), a(0) = 1, a(1) = 13}, ogf]$   
A081043 12.2585  $[{-(-8*x+15)/(-8*x^2+9*x-1)}]$  lgdogf  
A081043 12.7801  $[ -(x-1)/(8*x-1)^2 ogf]$   
A081043 15.4971  $-1/2*(-1-16*x+(1+28*x)^{(1/2)})/(1+64*x)$  revogf  
A081043 24.5370  $-(-15+8*x)/(8*x-1)/(x-1)$  lgdogf  
A081043 7.06666  $[{-a(n+2)+16*a(n+1)-64*a(n), a(0) = 1, a(1) = 15}, ogf]$   
A081044 11.0990  $[{-(-9*x+17)/(-9*x^2+10*x-1)}]$  lgdogf  
A081044 11.8075  $[ -(x-1)/(9*x-1)^2 ogf]$   
A081044 14.2997  $-1/2*(-1-18*x+(1+32*x)^{(1/2)})/(1+81*x)$  revogf  
A081044 22.6412  $-(-17+9*x)/(9*x-1)/(x-1)$  lgdogf  
A081044 6.52884  $[{-a(n+2)+18*a(n+1)-81*a(n), a(0) = 1, a(1) = 17}, ogf]$   
A081045 10.6245  $[ -(x-1)/(10*x-1)^2 ogf]$   
A081045 12.7858  $-1/2*(-1-20*x+(36*x+1)^{(1/2)})/(1+100*x)$  revogf  
A081045 5.92998  $[{-a(n+2)+20*a(n+1)-100*a(n), a(0) = 1, a(1) = 19}, ogf]$   
A081045 9.80727  $[{-(-10*x+19)/(-10*x^2+11*x-1)}]$  lgdogf  
A081048 4.91059  $[{(n^2+4*n+4)*a(n+1)+(2*n+5)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = -3}, ogf]$   
A081057 10.6289  $[ -(x+1)*(2*x-1)/(x-1)/(4*x^2+2*x-1) ogf]$   
A081057 10.9540  $-2*(1+4*x^4+4*x^3-4*x^2)/(x-1)/(2*x-1)/(x+1)/(4*x^2+2*x-1)$  lgdogf  
A081057 5.78895  $[{a(n+3)-3*a(n+2)-2*a(n+1)+4*a(n), a(0) = 1, a(1) = 2, a(2) = 6}, ogf]$   
A081057 7.62779  $[{-(-8*x^4-8*x^3+8*x^2-2)/(-8*x^5+12*x^3-x^2-4*x+1)}]$  lgdogf  
A081065 12.3667  $[ 2*(3*x-1)/(x-1)/(x^2-14*x+1) ogf]$   
A081065 5.81338  $[{a(n+3)-15*a(n+2)+15*a(n+1)-a(n), a(0) = 2, a(1) = 24, a(2) = 330}, ogf]$   
A081065 7.90891  $[{- (6*x^3-48*x^2+30*x-12)/(3*x^4-46*x^3+60*x^2-18*x+1)}]$  lgdogf  
A081067 10.4851  $- (4-14*x+x^4-8*x^3+27*x^2)/(x-1)/(x^2-7*x+1)/(x^2-4*x+1)$  lgdogf  
A081067 5.20997  $[{-a(n+3)+8*a(n+2)-8*a(n+1)+a(n), a(0) = 5, a(1) = 20, a(2) = 125}, ogf]$   
A081067 9.66365  $[ -5*(x^2-4*x+1)/(x-1)/(x^2-7*x+1) ogf]$   
A081068 10.2316  $[ -(x^2-4*x+1)/(x-1)/(x^2-7*x+1) ogf]$   
A081068 10.9277  $- (4-14*x-8*x^3+x^4+27*x^2)/(x-1)/(x^2-7*x+1)/(x^2-4*x+1)$  lgdogf  
A081068 5.52325  $[{-a(n+3)+8*a(n+2)-8*a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 25}, ogf]$   
A081068 6.11889  $[{-(-x^4+8*x^3-27*x^2+14*x-4)/(-x^5+12*x^4-41*x^3+41*x^2-12*x+1)}]$  lgdogf  
A081069 5.11660  $[{-a(n+3)+8*a(n+2)-8*a(n+1)+a(n), a(0) = 4, a(1) = 9, a(2) = 49}, ogf]$

A081069 8.84677  $-(9-46*x+124*x^2-46*x^3+9*x^4)/(-1+x)/(x^2-7*x+1)/(9*x^2-23*x+4)$   
lgdogf  
A081069 9.32542  $[-(9*x^2-23*x+4)/(x-1)/(x^2-7*x+1)$  ogf]  
A081070 10.0909  $[-5*x*(x+1)/(x-1)/(x^2-7*x+1)$  ogf]  
A081070 12.5821  $-(2*x-1)*(x^2-2*x-9)/(-1+x)/(x+1)/(x^2-7*x+1)$  lgdogf  
A081070 5.13554  $[{a(n+3)-8*a(n+2)+8*a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 45},$   
ogf]  
A081070 7.87918  $[-(2*x^3+5*x^2+16*x-9)/(-x^4+7*x^3-7*x+1)$  lgdogf]  
A081071 10.1235  $-(16-14*x+x^4+16*x^3-69*x^2)/(x-1)/(x^2-7*x+1)/(x^2+8*x+1)$   
lgdogf  
A081071 5.20997  $[{a(n+3)-8*a(n+2)+8*a(n+1)-a(n), a(0) = 1, a(1) = 16, a(2) =$   
121}, ogf]  
A081071 6.65718  $[-(x^4-16*x^3+69*x^2+14*x-16)/(-x^5+55*x^3-55*x^2+1)$  lgdogf]  
A081071 9.82207  $[-(x^2+8*x+1)/(x-1)/(x^2-7*x+1)$  ogf]  
A081072 11.5015  $[3*(6*x-1)/(x-1)/(x^2-7*x+1)$  ogf]  
A081072 12.1781  $-(2+16*x+12*x^3-51*x^2)/(x-1)/(6*x-1)/(x^2-7*x+1)$  lgdogf  
A081072 5.49630  $[{a(n+3)-8*a(n+2)+8*a(n+1)-a(n), a(0) = 3, a(1) = 6, a(2) = 24},$   
ogf]  
A081072 7.22188  $[-(12*x^3-51*x^2+16*x-2)/(6*x^4-49*x^3+56*x^2-14*x+1)$  lgdogf]  
A081073 5.09800  $[{a(n+3)-8*a(n+2)+8*a(n+1)-a(n), a(0) = 4, a(1) = 11, a(2) =$   
58}, ogf]  
A081073 8.89357  $-(11-60*x+164*x^2-42*x^3+2*x^4)/(x-1)/(x^2-7*x+1)/(2*x^2-21*x+4)$   
lgdogf  
A081073 9.37374  $[-(2*x^2-21*x+4)/(x-1)/(x^2-7*x+1)$  ogf]  
A081074 10.3818  $[3*x*(x-6)/(x-1)/(x^2-7*x+1)$  ogf]  
A081074 12.3574  $-(47+96*x+2*x^3-26*x^2)/(x-6)/(x-1)/(x^2-7*x+1)$  lgdogf  
A081074 5.28195  $[{-a(n+3)+8*a(n+2)-8*a(n+1)+a(n), a(0) = 0, a(1) = 18, a(2) =$   
141}, ogf]  
A081074 7.00165  $[-(2*x^3-26*x^2+96*x-47)/(x^4-14*x^3+56*x^2-49*x+6)$  lgdogf]  
A081075 4.89033  $[{-a(n+3)+8*a(n+2)-8*a(n+1)+a(n), a(0) = 5, a(1) = 52, a(2) =$   
374}, ogf]  
A081075 8.60329  $-(52+84*x+65*x^2-24*x^3+2*x^4)/(x-1)/(x^2-7*x+1)/(2*x^2-12*x-5)$   
lgdogf  
A081075 9.07077  $[(2*x^2-12*x-5)/(x-1)/(x^2-7*x+1)$  ogf]  
A081076 5.09800  $[{-a(n+3)+8*a(n+2)-8*a(n+1)+a(n), a(0) = 5, a(1) = 10, a(2) =$   
50}, ogf]  
A081076 9.22495  $[-5*(2*x^2-6*x+1)/(x-1)/(x^2-7*x+1)$  ogf]  
A081076 9.33096  $-(2-12*x+35*x^2-12*x^3+2*x^4)/(x-1)/(x^2-7*x+1)/(2*x^2-6*x+1)$   
lgdogf  
A081077 5.20997  $[{-a(n+3)+8*a(n+2)-8*a(n+1)+a(n), a(0) = 6, a(1) = 21, a(2) =$   
126}, ogf]  
A081077 9.62562  $-(7-28*x+2*x^4-18*x^3+62*x^2)/(x-1)/(2*x^2-9*x+2)/(x^2-7*x+1)$   
lgdogf  
A081077 9.66365  $[-3*(2*x^2-9*x+2)/(x-1)/(x^2-7*x+1)$  ogf]  
A081078 4.89033  $[{a(n+3)-8*a(n+2)+8*a(n+1)-a(n), a(0) = 4, a(1) = 44, a(2) =$   
319}, ogf]  
A081078 9.07077  $[(x^2-12*x-4)/(x-1)/(x^2-7*x+1)$  ogf]  
A081078 9.17684  $-(-44+66*x+76*x^2-24*x^3+x^4)/(x-1)/(x^2-7*x+1)/(x^2-12*x-4)$   
lgdogf  
A081079 12.9598  $[-15*x/(x-1)/(x^2-7*x+1)$  ogf]  
A081079 17.7928  $-(8-16*x+3*x^2)/(x^2-7*x+1)/(x-1)$  lgdogf  
A081079 5.22939  $[{a(n+3)-8*a(n+2)+8*a(n+1)-a(n), a(0) = 0, a(1) = 15, a(2) =$   
120}, ogf]  
A081079 9.17154  $[-(3*x^2-16*x+8)/(x^3-8*x^2+8*x-1)$  lgdogf]  
A081085 3.36062  $[{(32*n^2+128*n+128)*a(n+1)+(-12*n^2-60*n-76)*a(n+2)+(n^2+6*n$   
+9)\*a(n+3), a(0) = 1, a(1) = 4, a(2) = 20}, ogf]  
A081097 4.89137  $[(x^7+x^6+13*x^5+89*x^4-17*x^3-17*x^2-5*x-1)/(x-1)/(x^2+4*x-1)/$   
 $(x^2-4*x-1)/(x^4+18*x^2+1)$  ogf]  
A081104 3.56530  $[-(3*x-1)/(4*x-1)^2$  ogf]  
A081104 5.70609  $-(-5+12*x)/(4*x-1)/(-1+3*x)$  lgdogf  
A081105 11.6301  $[-(20*x+6)/(-20*x^2+9*x-1)$  lgdogf]

A081105 12.3724 [  $-(4*x-1)/(5*x-1)^2$  ogf]  
A081105 15.3872  $-1/2*(-1-10*x+(1+4*x)^{(1/2)})/(4+25*x)$  revogf  
A081105 19.6319  $-2*(-3+10*x)/(5*x-1)/(-1+4*x)$  lgdogf  
A081105 6.92265 [  $\{-a(n+2)+10*a(n+1)-25*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A081106 11.1018 [  $-(-30*x+7)/(-30*x^2+11*x-1)$  lgdogf]  
A081106 12.0467 [  $-(5*x-1)/(6*x-1)^2$  ogf]  
A081106 14.9787  $-1/2*(-1-12*x+(1+4*x)^{(1/2)})/(5+36*x)$  revogf  
A081106 21.3158  $-(-7+30*x)/(6*x-1)/(5*x-1)$  lgdogf  
A081106 6.74039 [  $\{-a(n+2)+12*a(n+1)-36*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A081107 11.7480 [  $-(-42*x+8)/(-42*x^2+13*x-1)$  lgdogf]  
A081107 12.7478 [  $-(6*x-1)/(7*x-1)^2$  ogf]  
A081107 15.8693  $-1/2*(-1-14*x+(1+4*x)^{(1/2)})/(6+49*x)$  revogf  
A081107 20.9701  $-2*(-4+21*x)/(7*x-1)/(6*x-1)$  lgdogf  
A081107 7.13269 [  $\{-a(n+2)+14*a(n+1)-49*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A081108 12.3354 [  $-(-56*x+9)/(-56*x^2+15*x-1)$  lgdogf]  
A081108 13.3852 [  $-(7*x-1)/(8*x-1)^2$  ogf]  
A081108 16.6789  $-1/2*(-1-16*x+(1+4*x)^{(1/2)})/(7+64*x)$  revogf  
A081108 23.7354  $-(-9+56*x)/(8*x-1)/(7*x-1)$  lgdogf  
A081108 7.48932 [  $\{-a(n+2)+16*a(n+1)-64*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A081109 11.0417 [  $-(-72*x+10)/(-72*x^2+17*x-1)$  lgdogf]  
A081109 12.2163 [  $-(8*x-1)/(9*x-1)^2$  ogf]  
A081109 15.1997  $-1/2*(-1-18*x+(1+4*x)^{(1/2)})/(8+81*x)$  revogf  
A081109 20.0853  $-2*(-5+36*x)/(9*x-1)/(8*x-1)$  lgdogf  
A081109 6.75489 [  $\{-a(n+2)+18*a(n+1)-81*a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A081122 10.6721 [  $-(-90*x+11)/(-90*x^2+19*x-1)$  lgdogf]  
A081122 11.5615 [  $-(9*x-1)/(10*x-1)^2$  ogf]  
A081122 14.2997  $-1/2*(-1-20*x+(1+4*x)^{(1/2)})/(9+100*x)$  revogf  
A081122 19.4068  $-(-11+90*x)/(10*x-1)/(9*x-1)$  lgdogf  
A081122 6.45292 [  $\{-a(n+2)+20*a(n+1)-100*a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
A081124 4.22621 [  $\{(n+3)*a(n+1)+(-n-2)*a(n+2)+2*a(n+4)-4*a(n+3), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$ , ogf]  
A081125 13.7473 [  $-(2*x^2+2*x+1)/(-x-1)$  lgdegf]  
A081125 28.1302  $-1-2*x-2*x^2+(1+x)*f(x)$  lgdegf  
A081126 12.6073 [  $-(2*x^2+3*x+2)/(-x-1)$  lgdegf]  
A081126 13.4684  $4+6*x+4*x^2+(-4-5*x-2*x^2)*f(x)+(1+x)*f(x)^2$  lgdegf  
A081127 14.8533 [  $x/(11*x-1)^2$  ogf]  
A081127 17.8239 [  $22/(-11*x+1)$  lgdogf]  
A081127 21.9186  $4*x/(1+(1+44*x)^{(1/2)})^2$  revogf  
A081127 40.4652  $-22/(-1+11*x)$  lgdogf  
A081127 6.36569 [  $\{a(n+2)-22*a(n+1)+121*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A081128 13.5364 [  $x/(-1+12*x)^2$  ogf]  
A081128 16.2437 [  $24/(-12*x+1)$  lgdogf]  
A081128 19.9505  $4*x/(1+(1+48*x)^{(1/2)})^2$  revogf  
A081128 39.9010  $-24/(12*x-1)$  lgdogf  
A081128 5.80133 [  $\{a(n+2)-24*a(n+1)+144*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A081135 12.4487 [  $-x^2/(5*x-1)^3$  ogf]  
A081135 19.3170 [  $15/(-5*x+1)$  lgdogf]  
A081135 4.91396 [  $\{a(n+3)-15*a(n+2)+75*a(n+1)-125*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A081135 50.3730  $-15/(5*x-1)$  lgdogf  
A081136 13.1047 [  $-x^2/(6*x-1)^3$  ogf]  
A081136 20.7867 [  $18/(-6*x+1)$  lgdogf]  
A081136 5.24187 [  $\{a(n+3)-18*a(n+2)+108*a(n+1)-216*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A081136 54.2478  $-18/(6*x-1)$  lgdogf  
A081137 14.0812  $-21/(-1+7*x)$  lgdogf  
A081137 3.78139 [  $-x^2/(7*x-1)^3$  ogf]  
A081138 12.6342 [  $-x^2/(8*x-1)^3$  ogf]  
A081138 20.0404 [  $24/(-8*x+1)$  lgdogf]  
A081138 47.9317  $-24/(-1+8*x)$  lgdogf  
A081138 5.05367 [  $\{a(n+3)-24*a(n+2)+192*a(n+1)-512*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]

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= 1}], ogf]
A081139 11.9698 [-x^2/(9*x-1)^3 ogf]
A081139 18.9866 [27/(-9*x+1) lgdogf]
A081139 4.78791 [{a(n+3)-27*a(n+2)+243*a(n+1)-729*a(n), a(0) = 0, a(1) = 0, a(2)
= 1}], ogf]
A081139 45.3935 -27/(-1+9*x) lgdogf
A081140 12.0910 [-x^2/(10*x-1)^3 ogf]
A081140 18.9426 [30/(-10*x+1) lgdogf]
A081140 4.89894 [{a(n+3)-30*a(n+2)+300*a(n+1)-1000*a(n), a(0) = 0, a(1) = 0,
a(2) = 1}], ogf]
A081140 46.8657 -30/(10*x-1) lgdogf
A081141 10.8850 [-x^2/(11*x-1)^3 ogf]
A081141 17.0532 [33/(-11*x+1) lgdogf]
A081141 38.9088 -33/(-1+11*x) lgdogf
A081141 4.41030 [{a(n+3)-33*a(n+2)+363*a(n+1)-1331*a(n), a(0) = 0, a(1) = 0,
a(2) = 1}], ogf]
A081142 11.1925 [-x^2/(-1+12*x)^3 ogf]
A081142 17.5349 [36/(-12*x+1) lgdogf]
A081142 4.53489 [{a(n+3)-36*a(n+2)+432*a(n+1)-1728*a(n), a(0) = 0, a(1) = 0,
a(2) = 1}], ogf]
A081142 43.3556 -36/(12*x-1) lgdogf
A081143 10.7634 [x^3/(5*x-1)^4 ogf]
A081143 20.7846 [20/(-5*x+1) lgdogf]
A081143 4.78375 [{-1+n)*a(n+2)+(-10-5*n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0,
a(3) = 1}], ogf]
A081143 54.5147 -20/(5*x-1) lgdogf
A081144 11.2796 [x^3/(6*x-1)^4 ogf]
A081144 22.1702 [24/(-6*x+1) lgdogf]
A081144 5.10267 [{-1+n)*a(n+2)+(-12-6*n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0,
a(3) = 1}], ogf]
A081144 53.3204 -24/(-1+6*x) lgdogf
A081172 13.6201 [(2*x^2-1)/(x^3+x^2+x-1) ogf]
A081172 17.0114 -(-1+2*x-5*x^2+2*x^4)/(2*x^2-1)/(x^3+x^2+x-1) lgdogf
A081172 6.99413 [{a(n+3)-a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 0}], ogf]
A081172 8.82214 [-(-2*x^4+5*x^2-2*x+1)/(-2*x^5-2*x^4-x^3+3*x^2+x-1) lgdogf]
A081178 12.4470 [-(7*x^2-x)/(-6*x+1) revogf]
A081178 29.7716 x*(7*x-1)/(-1+6*x) revogf
A081178 9.23945 -1/2*(6*x-1+(1-16*x+36*x^2)^(1/2))/(1-16*x+36*x^2)^(1/2)/x
lgdogf]
A081179 12.1580 [-(14*x-6)/(7*x^2-6*x+1) lgdogf]
A081179 15.8469 -1/14*(-1-6*x+(1+12*x+8*x^2)^(1/2))/x revogf]
A081179 18.0528 [x/(7*x^2-6*x+1) ogf]
A081179 23.4535 -2*(-3+7*x)/(7*x^2+1-6*x) lgdogf]
A081179 7.35485 [{a(n+2)-6*a(n+1)+7*a(n), a(0) = 0, a(1) = 1}], ogf]
A081180 12.0551 [-(28*x-8)/(14*x^2-8*x+1) lgdogf]
A081180 16.0400 -1/28*(-1-8*x+(1+16*x+8*x^2)^(1/2))/x revogf]
A081180 17.7280 [x/(14*x^2-8*x+1) ogf]
A081180 22.8261 -4*(-2+7*x)/(14*x^2+1-8*x) lgdogf]
A081180 7.35065 [{a(n+2)-8*a(n+1)+14*a(n), a(0) = 0, a(1) = 1}], ogf]
A081182 11.4169 [-(46*x-10)/(23*x^2-10*x+1) lgdogf]
A081182 15.3828 -1/46*(-1-10*x+(1+20*x+8*x^2)^(1/2))/x revogf]
A081182 16.9623 [x/(23*x^2-10*x+1) ogf]
A081182 20.8767 -2*(-5+23*x)/(23*x^2+1-10*x) lgdogf]
A081182 7.15278 [{a(n+2)-10*a(n+1)+23*a(n), a(0) = 0, a(1) = 1}], ogf]
A081183 12.1195 [-(68*x-12)/(34*x^2-12*x+1) lgdogf]
A081183 16.3443 -1/68*(-1-12*x+(1+24*x+8*x^2)^(1/2))/x revogf]
A081183 18.0062 [x/(34*x^2-12*x+1) ogf]
A081183 22.1815 -4*(-3+17*x)/(34*x^2+1-12*x) lgdogf]
A081183 7.59296 [{a(n+2)-12*a(n+1)+34*a(n), a(0) = 0, a(1) = 1}], ogf]
A081184 11.5220 [-(94*x-14)/(47*x^2-14*x+1) lgdogf]
A081184 15.5305 -1/94*(-1-14*x+(1+28*x+8*x^2)^(1/2))/x revogf]

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A081184 17.1185 [  $x/(47x^2-14x+1)$  ogf]  
A081184 21.0771  $-2*(-7+47x)/(47x^2+1-14x)$  lgdogf  
A081184 7.21863 [  $\{a(n+2)-14a(n+1)+47a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A081185 10.7222 [  $-(124x-16)/(62x^2-16x+1)$  lgdogf]  
A081185 14.3447  $-1/124*(-1-16x+(1+32x+8x^2)^{(1/2)})/x$  revogf  
A081185 16.2365 [  $x/(62x^2-16x+1)$  ogf]  
A081185 19.9801  $-4*(-4+31x)/(62x^2+1-16x)$  lgdogf  
A081185 6.84671 [  $\{a(n+2)-16a(n+1)+62a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A081186 12.8345 [  $-(4x-1)/(5x-1)/(3x-1)$  ogf]  
A081186 13.4424  $-2*(2-15x+30x^2)/(-1+4x)/(3x-1)/(5x-1)$  lgdogf  
A081186 7.11312 [  $\{a(n+2)-8a(n+1)+15a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A081186 8.55636 [  $-(-60x^2+30x-4)/(-60x^3+47x^2-12x+1)$  lgdogf]  
A081187 12.5020 [  $-(5x-1)/(6x-1)/(4x-1)$  ogf]  
A081187 13.7003  $-(5-48x+120x^2)/(6x-1)/(-1+4x)/(5x-1)$  lgdogf  
A081187 6.99514 [  $\{a(n+2)-10a(n+1)+24a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A081187 8.27594 [  $-(-120x^2+48x-5)/(-120x^3+74x^2-15x+1)$  lgdogf]  
A081188 12.0467 [  $-(6x-1)/(7x-1)/(5x-1)$  ogf]  
A081188 12.8886  $-2*(3-35x+105x^2)/(6x-1)/(7x-1)/(5x-1)$  lgdogf  
A081188 5.48723  $x*(x^4+3x^2+1)*(5x^4+5x^2+1)/(1+6x$   
 $+x^{10}+9x^2+48x^3+35x^6+28x^4+126x^5+15x^8+30x^9+120x^7)$  revogf  
A081188 6.74039 [  $\{a(n+2)-12a(n+1)+35a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A081188 7.86379 [  $-(-210x^2+70x-6)/(-210x^3+107x^2-18x+1)$  lgdogf]  
A081189 12.7478 [  $-(7x-1)/(8x-1)/(6x-1)$  ogf]  
A081189 14.3211  $-(7-96x+336x^2)/(6x-1)/(8x-1)/(7x-1)$  lgdogf  
A081189 5.81350  $x*(x^4+3x^2+1)*(5x^4+5x^2+1)/(1+7x$   
 $+x^{10}+9x^2+56x^3+35x^6+28x^4+147x^5+15x^8+35x^9+140x^7)$  revogf  
A081189 7.13269 [  $\{a(n+2)-14a(n+1)+48a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A081189 8.32147 [  $-(-336x^2+96x-7)/(-336x^3+146x^2-21x+1)$  lgdogf]  
A081190 13.3852 [  $-(8x-1)/(9x-1)/(7x-1)$  ogf]  
A081190 14.3516  $-2*(4-63x+252x^2)/(8x-1)/(7x-1)/(9x-1)$  lgdogf  
A081190 6.11010  $x*(x^4+3x^2+1)*(5x^4+5x^2+1)/(1+8x$   
 $+x^{10}+9x^2+64x^3+35x^6+28x^4+168x^5+15x^8+40x^9+160x^7)$  revogf  
A081190 7.48932 [  $\{a(n+2)-16a(n+1)+63a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A081190 8.61785 [  $-(-504x^2+126x-8)/(-504x^3+191x^2-24x+1)$  lgdogf]  
A081191 3.57134 [  $-(9x-1)/(10x-1)/(8x-1)$  ogf]  
A081192 11.5615 [  $-(10x-1)/(11x-1)/(9x-1)$  ogf]  
A081192 12.0753  $-2*(5-99x+495x^2)/(9x-1)/(10x-1)/(11x-1)$  lgdogf  
A081192 5.78074  $x*(x^2+1)*(x^6+9x^4+6x^2+1)/(1+10x$   
 $+21x^4+8x^2+70x^3+20x^6+100x^7+150x^5+5x^8+10x^9)$  revogf  
A081192 6.52884 [  $\{a(n+2)-20a(n+1)+99a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A081192 7.49934 [  $-(-990x^2+198x-10)/(-990x^3+299x^2-30x+1)$  lgdogf]  
A081193 13.9355 [  $(3x+1)/(4x-1)/(2x-1)$  ogf]  
A081193 14.2920  $-1/2*(-1-6x+(1+24x+4x^2)^{(1/2)})/(-3+8x)$  revogf  
A081193 14.9892  $-(-9+16x+24x^2)/(4x-1)/(2x-1)/(3x+1)$  lgdogf  
A081193 7.64754 [  $\{-a(n+2)+6a(n+1)-8a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A081193 9.22203 [  $-(24x^2+16x-9)/(24x^3-10x^2-3x+1)$  lgdogf]  
A081194 13.0385 [  $(8x+1)/(5x-1)/(3x-1)$  ogf]  
A081194 13.3544  $-1/2*(-1-8x+(1+48x+4x^2)^{(1/2)})/(-8+15x)$  revogf  
A081194 13.6649  $-2*(-8+15x+60x^2)/(8x+1)/(3x-1)/(5x-1)$  lgdogf  
A081194 7.14012 [  $\{-a(n+2)+8a(n+1)-15a(n), a(0) = 1, a(1) = 16\}$ , ogf]  
A081194 8.95179 [  $-(-120x^2+30x-16)/(120x^3-49x^2+1)$  lgdogf]  
A081195 12.5446 [  $(15x+1)/(6x-1)/(4x-1)$  ogf]  
A081195 13.4127  $-(-25+48x+360x^2)/(6x-1)/(4x-1)/(15x+1)$  lgdogf  
A081195 13.4127  $-1/6*(-1-10x+(1+80x+4x^2)^{(1/2)})/(-5+8x)$  revogf  
A081195 7.08402 [  $\{-a(n+2)+10a(n+1)-24a(n), a(0) = 1, a(1) = 25\}$ , ogf]  
A081195 8.36308 [  $-(-360x^2+48x-25)/(360x^3-126x^2+5x+1)$  lgdogf]  
A081199 11.1828 [  $-(48x-10)/(24x^2-10x+1)$  lgdogf]  
A081199 15.0624  $-1/48*(-1-10x+(1+20x+4x^2)^{(1/2)})/x$  revogf  
A081199 16.6144 [  $x/(6x-1)/(4x-1)$  ogf]  
A081199 19.7369  $-2*(-5+24x)/(6x-1)/(-1+4x)$  lgdogf  
A081199 7.00606 [  $\{a(n+2)-10a(n+1)+24a(n), a(0) = 0, a(1) = 1\}$ , ogf]

A081200 11.9439  $[-(70*x-12)/(35*x^2-12*x+1) \text{ lgdogf}]$   
A081200 16.1039  $-1/70*(-1-12*x+(1+24*x+4*x^2)^{(1/2)})/x \text{ revogf}$   
A081200 17.7452  $[x/(7*x-1)/(5*x-1) \text{ ogf}]$   
A081200 21.8553  $-2*(-6+35*x)/(7*x-1)/(5*x-1) \text{ lgdogf}$   
A081200 7.48292  $[{a(n+2)-12*a(n+1)+35*a(n), a(0) = 0, a(1) = 1}, \text{ ogf}]$   
A081201 11.4068  $[-(96*x-14)/(48*x^2-14*x+1) \text{ lgdogf}]$   
A081201 15.3728  $-1/96*(-1-14*x+(1+28*x+4*x^2)^{(1/2)})/x \text{ revogf}$   
A081201 16.9473  $[x/(8*x-1)/(6*x-1) \text{ ogf}]$   
A081201 20.8631  $-2*(-7+48*x)/(8*x-1)/(6*x-1) \text{ lgdogf}$   
A081201 7.14645  $[{a(n+2)-14*a(n+1)+48*a(n), a(0) = 0, a(1) = 1}, \text{ ogf}]$   
A081202 11.8134  $[-(126*x-16)/(63*x^2-16*x+1) \text{ lgdogf}]$   
A081202 15.8236  $-1/126*(-1-16*x+(1+32*x+4*x^2)^{(1/2)})/x \text{ revogf}$   
A081202 17.8888  $[x/(9*x-1)/(7*x-1) \text{ ogf}]$   
A081202 22.0400  $-2*(-8+63*x)/(9*x-1)/(7*x-1) \text{ lgdogf}$   
A081202 7.54347  $[{a(n+2)-16*a(n+1)+63*a(n), a(0) = 0, a(1) = 1}, \text{ ogf}]$   
A081203 10.7222  $[-(160*x-18)/(80*x^2-18*x+1) \text{ lgdogf}]$   
A081203 14.3447  $-1/160*(-1-18*x+(1+36*x+4*x^2)^{(1/2)})/x \text{ revogf}$   
A081203 16.2365  $[x/(10*x-1)/(8*x-1) \text{ ogf}]$   
A081203 19.2912  $-2*(-9+80*x)/(10*x-1)/(8*x-1) \text{ lgdogf}$   
A081203 6.84671  $[{a(n+2)-18*a(n+1)+80*a(n), a(0) = 0, a(1) = 1}, \text{ ogf}]$   
A081207 14.8350  $-(-2+x^3+x^4-3*x^2)/(x+1)/(x^2+x+1)/(x^2-3*x+1) \text{ lgdogf}$   
A081207 7.72664  $[-(-x^4-x^3+3*x^2+2)/(-x^5+x^4+3*x^3+3*x^2+x-1) \text{ lgdogf}]$   
A081219 10.9362  $-2*(17+140*x+44*x^3+x^4+182*x^2)/(x-1)/(x^4+28*x^3+70*x^2+28*x+1) \text{ lgdogf}$   
A081219 3.95878  $[{(-2*n^2-13*n-21)*a(n+1)+(4*n^2+24*n+66)*a(n+2)+(-2*n^2-11*n-15)*a(n+3), a(0) = 1, a(1) = 34, a(2) = 259}, \text{ ogf}]$   
A081219 6.77062  $[ (x^4+28*x^3+70*x^2+28*x+1)/(x-1)^6 \text{ ogf}]$   
A081219 6.83449  $[ -(-2*x^4-88*x^3-364*x^2-280*x-34)/(-x^5-27*x^4-42*x^3+42*x^2+27*x+1) \text{ lgdogf}]$   
A081250 11.4891  $[ (x^2+1)/(x-1)/(3*x-1)/(x+1) \text{ ogf}]$   
A081250 12.8369  $-(-3-4*x+3*x^4+12*x^2)/(x-1)/(3*x-1)/(x+1)/(x^2+1) \text{ lgdogf}$   
A081250 5.79538  $[{a(n+3)-3*a(n+2)-a(n+1)+3*a(n), a(0) = 1, a(1) = 3, a(2) = 11}, \text{ ogf}]$   
A081250 8.97093  $[ -(3*x^4+12*x^2-4*x-3)/(3*x^5-x^4-3*x+1) \text{ lgdogf}]$   
A081251 10.4870  $[ -(-9*x^2+2*x+3)/(-3*x^3+x^2+3*x-1) \text{ lgdogf}]$   
A081251 16.3700  $[ 2/(x-1)/(3*x-1)/(x+1) \text{ ogf}]$   
A081251 18.2816  $-(-3-2*x+9*x^2)/(x-1)/(-1+3*x)/(x+1) \text{ lgdogf}$   
A081251 5.93955  $[{a(n+3)-3*a(n+2)-a(n+1)+3*a(n), a(0) = 2, a(1) = 6, a(2) = 20}, \text{ ogf}]$   
A081253 12.0491  $[ -(x^2-2)/(x-1)/(2*x-1)/(x+1) \text{ ogf}]$   
A081253 12.9435  $-2*(x-2)*(x^3+2*x^2-x-1)/(x-1)/(2*x-1)/(x+1)/(x^2-2) \text{ lgdogf}$   
A081253 6.13212  $[{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 2, a(1) = 4, a(2) = 9}, \text{ ogf}]$   
A081253 7.71683  $[ -(-2*x^4+10*x^2-2*x-4)/(-2*x^5+x^4+6*x^3-3*x^2-4*x+2) \text{ lgdogf}]$   
A081254 11.8176  $[ -(x^2-x-1)/(x-1)/(2*x-1)/(x+1) \text{ ogf}]$   
A081254 13.5964  $-(-3-4*x^3+2*x^4-3*x^2)/(x-1)/(2*x-1)/(x+1)/(x^2-x-1) \text{ lgdogf}$   
A081254 6.43638  $[{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 1, a(1) = 3, a(2) = 6}, \text{ ogf}]$   
A081254 7.83559  $[ -(-2*x^4+4*x^3+3*x^2-3)/(-2*x^5+3*x^4+3*x^3-4*x^2-x+1) \text{ lgdogf}]$   
A081266 14.1055  $[ -3*x*(x+2)/(x-1)^3 \text{ ogf}]$   
A081266 16.7503  $[ -(2*x+7)/(x^2+x-2) \text{ lgdogf}]$   
A081266 39.6264  $-(-7+2*x)/(x+2)/(x-1) \text{ lgdogf}$   
A081266 7.17870  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 21}, \text{ ogf}]$   
A081267 12.4284  $[ -(2*x^2+16*x+9)/(2*x^3+4*x^2-5*x-1) \text{ lgdogf}]$   
A081267 13.2433  $[ -(2*x^2+6*x+1)/(x-1)^3 \text{ ogf}]$   
A081267 22.6437  $-(-9+16*x+2*x^2)/(x-1)/(2*x^2+6*x+1) \text{ lgdogf}$   
A081267 7.14905  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 9, a(2) = 26}, \text{ ogf}]$   
A081268 12.1145  $[ -(-x^2+16*x+12)/(-x^3+10*x^2-8*x-1) \text{ lgdogf}]$   
A081268 13.3061  $[ (x^2-9*x-1)/(x-1)^3 \text{ ogf}]$

A081268 24.1320  $-( -12-16*x+x^2)/(x-1)/(x^2-9*x-1)$  lgdogf  
A081268 7.11993  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 12, a(2) = 32\},$  ogf]  
A081269 3.45897  $[ -(x^2+5*x+3)/(x-1)^3$  ogf]  
A081269 6.04350  $-(14+12*x+x^2)/(-1+x)/(x^2+5*x+3)$  lgdogf  
A081270 12.4141  $[ -( -x^2+12*x+16)/( -x^3+8*x^2-4*x-3)$  lgdogf]  
A081270 13.4316  $[ (x^2-7*x-3)/(x-1)^3$  ogf]  
A081270 24.3641  $-( -16-12*x+x^2)/(x-1)/(x^2-7*x-3)$  lgdogf  
A081270 7.18710  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 16, a(2) = 38\},$  ogf]  
A081271 12.1716  $[ -( -2*x^2+16*x+13)/( -2*x^3+12*x^2-9*x-1)$  lgdogf]  
A081271 13.1532  $[ (2*x^2-10*x-1)/(x-1)^3$  ogf]  
A081271 21.0575  $-( -13-16*x+2*x^2)/(x-1)/(2*x^2-10*x-1)$  lgdogf  
A081271 7.15351  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 13, a(2) = 34\},$  ogf]  
A081272 11.8630  $[ -(13*x^2+70*x+25)/(13*x^3+9*x^2-21*x-1)$  lgdogf]  
A081272 12.9929  $[ -(13*x^2+22*x+1)/(x-1)^3$  ogf]  
A081272 21.7189  $-(x+5)*(13*x+5)/(x-1)/(13*x^2+22*x+1)$  lgdogf  
A081272 7.18026  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 25, a(2) = 85\},$  ogf]  
A081273 3.41159  $[ -(x^2+7*x+1)/(x-1)^3$  ogf]  
A081273 5.95591  $-(10+16*x+x^2)/(-1+x)/(x^2+7*x+1)$  lgdogf  
A081274 3.36420  $[ -(2*x+1)^2/(x-1)^3$  ogf]  
A081274 8.41977  $-(2*x+7)/(2*x+1)/(-1+x)$  lgdogf  
A081275 11.2294  $[ -(7*x^2+70*x+31)/(7*x^3+21*x^2-27*x-1)$  lgdogf]  
A081275 12.3161  $[ -(7*x^2+28*x+1)/(x-1)^3$  ogf]  
A081275 20.2390  $-(31+70*x+7*x^2)/(x-1)/(7*x^2+28*x+1)$  lgdogf  
A081275 6.69823  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 31, a(2) = 97\},$  ogf]  
A081276 5.64550  $[ x^2*(x^8-2*x^7+4*x^6-2*x^5+3*x^4-x^3+2*x^2+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^4$  ogf]  
A081278 10.1395  $[ -(2*x-1)*(x-1)/(3*x-1)^3$  ogf]  
A081278 16.4757  $-2*(3-7*x+3*x^2)/(x-1)/(3*x-1)/(2*x-1)$  lgdogf  
A081278 5.55468  $[ \{a(n+3)-9*a(n+2)+27*a(n+1)-27*a(n), a(0) = 1, a(1) = 6, a(2) = 29\},$  ogf]  
A081278 9.67861  $[ -(6*x^2-14*x+6)/(6*x^3-11*x^2+6*x-1)$  lgdogf]  
A081279 15.7578  $-2*(4-9*x+3*x^2)/(x-1)/(-1+3*x)/(2*x-1)$  lgdogf  
A081279 7.64754  $[ -(2*x-1)*(x-1)^2/(3*x-1)^4$  ogf]  
A081279 9.50148  $[ -(6*x^2-18*x+8)/(6*x^3-11*x^2+6*x-1)$  lgdogf]  
A081280 16.1478  $-2*(5-11*x+3*x^2)/(x-1)/(-1+3*x)/(2*x-1)$  lgdogf  
A081280 3.22771  $[ \{(-n-4)*a(n+4)+(28+6*n)*a(n+3)+(-44-11*n)*a(n+2)+(12+6*n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 69, a(3) = 398\},$  ogf]  
A081280 6.51934  $[ -(2*x-1)*(x-1)^3/(3*x-1)^5$  ogf]  
A081280 9.82766  $[ -(6*x^2-22*x+10)/(6*x^3-11*x^2+6*x-1)$  lgdogf]  
A081282 11.3665  $[ -(4*x^2+2*x+6)/(x^3-x^2+x-1)$  lgdogf]  
A081282 24.8874  $[ [-x^3+x+6]$  ogf\_with\_Euler\_transform]  
A081282 25.5966  $-2*(3+x+2*x^2)/(x-1)/(x^2+1)$  lgdogf  
A081282 3.71151  $[ \{(n+3)*a(n+4)+(-8-n)*a(n+3)+(-1+n)*a(n+2)+(-4-n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 22\},$  ogf]  
A081282 8.66018  $[ x*(x^2+1)/(x-1)^6$  ogf]  
A081283 11.4435  $[ -( -6*x^3+5*x^2-8*x-1)/( -x^4+x^3-x+1)$  lgdogf]  
A081283 19.3424  $-(1+8*x+6*x^3-5*x^2)/(x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A081283 24.8282  $[ -x^5+x^2+4*x+1$  ogf\_with\_Euler\_transform]  
A081283 8.49414  $[ -x*(x^2-x+1)/(x+1)^3/(x-1)^5$  ogf]  
A081284 10.5623  $[ -( -8*x^3+7*x^2-10*x-1)/( -x^4+x^3-x+1)$  lgdogf]  
A081284 17.6689  $-(1+10*x-7*x^2+8*x^3)/(x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A081284 23.2188  $[ -x^5+x^2+5*x+1$  ogf\_with\_Euler\_transform]  
A081284 6.26867  $[ x*(x^2-x+1)/(x+1)^4/(x-1)^6$  ogf]  
A081294 17.0069  $[ (2*x-1)/(4*x-1)$  ogf]  
A081294 17.4793  $[ -2/(-8*x^2+6*x-1)$  lgdogf]  
A081294 23.7131  $1/4+x-1/4*(16*x^2+1)^(1/2)$  revogf

A081294 32.4496  $2/(-1+4*x)/(-1+2*x)$  lgdogf  
A081294 8.73964  $[{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 2}], ogf]$   
A081311 14.3913  $[ -(x^{34}-x^{33}+2*x-3)/(x-1)^2 ogf]$   
A081311 16.1736  $(4-2*x+33*x^{32}-65*x^{33}+32*x^{34})/(x-1)/(x^{34}-x^{33}+2*x-3)$  lgdogf  
A081311 8.63480  $[ -(-32*x^{34}+65*x^{33}-33*x^{32}+2*x-4)/(x^{35}-2*x^{34}+x^{33}+2*x^2-5*x+3)$  lgdogf]  
A081335 12.7737  $[ -(4*x-1)/(6*x-1)/(2*x-1) ogf]$   
A081335 13.7003  $-4*(1-6*x+12*x^2)/(6*x-1)/(2*x-1)/(-1+4*x)$  lgdogf  
A081335 7.07942  $[{a(n+2)-8*a(n+1)+12*a(n), a(0) = 1, a(1) = 4}], ogf]$   
A081335 8.51583  $[ -(-48*x^2+24*x-4)/(-48*x^3+44*x^2-12*x+1)$  lgdogf]  
A081336 13.3441  $[ -(5*x-1)/(7*x-1)/(3*x-1) ogf]$   
A081336 14.6427  $-(5-42*x+105*x^2)/(-1+3*x)/(7*x-1)/(5*x-1)$  lgdogf  
A081336 7.46632  $[{a(n+2)-10*a(n+1)+21*a(n), a(0) = 1, a(1) = 5}], ogf]$   
A081336 8.83339  $[ -(-105*x^2+42*x-5)/(-105*x^3+71*x^2-15*x+1)$  lgdogf]  
A081337 12.7478  $[ -(6*x-1)/(8*x-1)/(4*x-1) ogf]$   
A081337 13.9801  $-2*(3-32*x+96*x^2)/(6*x-1)/(8*x-1)/(4*x-1)$  lgdogf  
A081337 7.13269  $[{a(n+2)-12*a(n+1)+32*a(n), a(0) = 1, a(1) = 6}], ogf]$   
A081337 8.32147  $[ -(-192*x^2+64*x-6)/(-192*x^3+104*x^2-18*x+1)$  lgdogf]  
A081338 13.3852  $[ -(7*x-1)/(9*x-1)/(5*x-1) ogf]$   
A081338 15.0517  $-(7-90*x+315*x^2)/(9*x-1)/(7*x-1)/(5*x-1)$  lgdogf  
A081338 7.48932  $[{a(n+2)-14*a(n+1)+45*a(n), a(0) = 1, a(1) = 7}], ogf]$   
A081338 8.73754  $[ -(-315*x^2+90*x-7)/(-315*x^3+143*x^2-21*x+1)$  lgdogf]  
A081340 13.1198  $[ (2*x-1)/(x+1)/(5*x-1) ogf]$   
A081340 14.4506  $-2*(-1-5*x+5*x^2)/(-1+2*x)/(5*x-1)/(x+1)$  lgdogf  
A081340 7.19987  $[{-a(n+2)+4*a(n+1)+5*a(n), a(0) = 1, a(1) = 2}], ogf]$   
A081340 8.81178  $[ -(10*x^2-10*x-2)/(10*x^3+3*x^2-6*x+1)$  lgdogf]  
A081341 19.4061  $[ (3*x-1)/(6*x-1) ogf]$   
A081341 19.4061  $[-3/(-18*x^2+9*x-1)$  lgdogf]  
A081341 27.1340  $1/6+x-1/6*(1+36*x^2)^{(1/2)}$  revogf  
A081341 41.4991  $3/(6*x-1)/(3*x-1)$  lgdogf  
A081341 9.97260  $[{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 3}], ogf]$   
A081342 10.7067  $[ -(-80*x^2+32*x-5)/(-80*x^3+66*x^2-15*x+1)$  lgdogf]  
A081342 15.7183  $[ -(5*x-1)/(8*x-1)/(2*x-1) ogf]$   
A081342 18.1599  $-(5-32*x+80*x^2)/(2*x-1)/(8*x-1)/(5*x-1)$  lgdogf  
A081342 8.79475  $[{a(n+2)-10*a(n+1)+16*a(n), a(0) = 1, a(1) = 5}], ogf]$   
A081343 12.1536  $[ -(7*x-1)/(10*x-1)/(4*x-1) ogf]$   
A081343 13.0103  $-(7-80*x+280*x^2)/(-1+4*x)/(7*x-1)/(10*x-1)$  lgdogf  
A081343 13.9861  $-1/2*(-1-14*x+(1+36*x^2)^{(1/2)})/(40*x+7)$  revogf  
A081343 6.80025  $[{a(n+2)-14*a(n+1)+40*a(n), a(0) = 1, a(1) = 7}], ogf]$   
A081343 7.93362  $[ -(-280*x^2+80*x-7)/(-280*x^3+138*x^2-21*x+1)$  lgdogf]  
A081345 14.1382  $-2*(2+3*x+x^3+5*x^4+13*x^2)/(x-1)/(x+1)/(5*x^3-x^2+3*x+1)$  lgdogf  
A081345 8.38290  $[ -(-10*x^4-2*x^3-26*x^2-6*x-4)/(-5*x^5+x^4+2*x^3-2*x^2+3*x+1)$  lgdogf]  
A081345 9.66499  $[ -(5*x^3-x^2+3*x+1)/(x+1)^2/(x-1)^3 ogf]$   
A081346 13.4714  $-2*(1+8*x+11*x^3+3*x^2+x^5)/(x-1)/(x+1)/(2*x^4-x^3+5*x^2+x+1)$  lgdogf  
A081346 7.90075  $[ -(2*x^5+22*x^3+6*x^2+16*x+2)/(2*x^6-x^5+3*x^4+2*x^3-4*x^2-x-1)$  lgdogf]  
A081346 9.00516  $[ -(2*x^4-x^3+5*x^2+x+1)/(x+1)^2/(x-1)^3 ogf]$   
A081347 14.2788  $-2*(1+2*x+12*x^2+7*x^4+2*x^3)/(x-1)/(x+1)/(7*x^3-x^2+x+1)$  lgdogf  
A081347 8.46547  $[ -(-14*x^4-4*x^3-24*x^2-4*x-2)/(-7*x^5+x^4+6*x^3-2*x^2+x+1)$  lgdogf]  
A081347 9.76019  $[ -(7*x^3-x^2+x+1)/(x+1)^2/(x-1)^3 ogf]$   
A081348 15.2052  $-2*(3+4*x+3*x^4+14*x^2)/(x-1)/(x+1)/(3*x^3-x^2+5*x+1)$  lgdogf  
A081348 9.23061  $[ -(-6*x^4-28*x^2-8*x-6)/(-3*x^5+x^4-2*x^3-2*x^2+5*x+1)$  lgdogf]  
A081348 9.66499  $[ -(3*x^3-x^2+5*x+1)/(x+1)^2/(x-1)^3 ogf]$   
A081350 11.1492  $2*(1+2*x+x^7-x^6-x^5+4*x^4+18*x^3)/(x-1)/(x+1)/(2*x^6-10*x^4+x^3+x^2-x-1)$  lgdogf  
A081350 8.13349  $[ (2*x^6-10*x^4+x^3+x^2-x-1)/(x+1)^2/(x-1)^3 ogf]$   
A081351 15.2052  $-2*(4+5*x-x^3+x^4+15*x^2)/(x-1)/(x+1)/(x^3-x^2+7*x+1)$  lgdogf  
A081351 8.38290  $[ -(-2*x^4+2*x^3-30*x^2-10*x-8)/(-x^5+x^4-6*x^3-2*x^2+7*x+1)$



lgdogf]  
 A081351 9.66499 [  $-(x^3-x^2+7x+1)/(x+1)^2/(x-1)^3$  ogf]  
 A081352 11.9628 [  $-(x^3-3x^2+5x+1)/(x+1)/(x-1)^3$  ogf]  
 A081352 14.7234  $-(7+8x+12x^2+x^4-4x^3)/(x-1)/(x+1)/(x^3-3x^2+5x+1)$  lgdogf  
 A081352 8.50965  $-(-x^4+4x^3-12x^2-8x-7)/(-x^5+3x^4-4x^3-4x^2+5x+1)$   
 lgdogf]  
 A081353 11.3073 [  $-(x^4-4x^3-16x-5)/(x^5-3x^4-x+3)$  lgdogf]  
 A081353 11.9628 [  $(x-3)*(x^2+1)/(x+1)/(x-1)^3$  ogf]  
 A081353 17.6041  $-(-5-16x+x^4-4x^3)/(x-1)/(x-3)/(x+1)/(x^2+1)$  lgdogf  
 A081358 3.65552 [  $\{( -n^3-7n^2-16n-12)*a(n+1)+(n^2+5n+6)*a(n+2)+(n+4)*a(n+3)-a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 8\}$ , ogf]  
 A081360 17.1743 [  $-(x^2-x+1)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
 A081362 35.0584 [  $1/(x^2-1)$  ogf\_with\_Euler\_transform]  
 A081367 12.7899 [  $-(-3+4x)/(-2x+1)$  lgdegf]  
 A081367 26.3176  $-3+4x+(1-2x)*f(x)$  lgdegf  
 A081367 3.78959 [  $\{(-4n-8)*a(n+1)+(2n+7)*a(n+2)-a(n+3), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]  
 A081374 11.8269 [  $-(2x^3-2x^2+1)/(x^2-x+1)/(x+1)/(2x-1)$  ogf]  
 A081374 8.63267  $-(2-4x+4x^6-8x^5+2x^4+7x^2)/(2x-1)/(1+x)/(x^2-x+1)/(2x^3-2x^2+1)$  lgdogf  
 A081406 4.66549 [  $\{(-n-4)*a(n)+(n^3+6n^2+11n+6)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = 1/6\}$ , egf]  
 A081410 8.67502  $-(-1-2x+4x^5+11x^4-4x^3+2x^6+2x^8-3x^2)/(x-1)/(x^2+x+1)/(x^2+x-1)/(2x^4+1)$  lgdogf  
 A081410 9.94240 [  $(2x^4+1)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
 A081421 10.8074 [  $-(17x-1)/(25x-1)/(9x-1)$  ogf]  
 A081421 11.2712  $-(17-450x+3825x^2)/(17x-1)/(25x-1)/(9x-1)$  lgdogf  
 A081421 6.15773 [  $\{a(n+2)-34a(n+1)+225a(n), a(0) = 1, a(1) = 17\}$ , ogf]  
 A081421 6.96796 [  $-(-3825x^2+450x-17)/(-3825x^3+803x^2-51x+1)$  lgdogf]  
 A081423 10.9063 [  $(6x^2-x+1)/(x-1)^4$  ogf]  
 A081423 11.5774 [  $-(-12x^2-9x-3)/(-6x^3+7x^2-2x+1)$  lgdogf]  
 A081423 21.6993  $-3*(1+3x+4x^2)/(x-1)/(6x^2-x+1)$  lgdogf  
 A081423 3.78157 [  $\{(n+4)*a(n+4)+(-9-2n)*a(n+3)+(5+7n)*a(n+2)+(-18-6n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 12, a(3) = 34\}$ , ogf]  
 A081435 10.9063 [  $(4x^2+x+1)/(x-1)^4$  ogf]  
 A081435 12.3366 [  $-(-8x^2-11x-5)/(-4x^3+3x^2+1)$  lgdogf]  
 A081435 22.3568  $-(5+11x+8x^2)/(x-1)/(4x^2+x+1)$  lgdogf  
 A081435 4.11220 [  $\{(n+4)*a(n+4)-5a(n+3)+(-5+3n)*a(n+2)+(-12-4n)*a(n+1), a(0) = 1, a(1) = 5, a(2) = 18, a(3) = 46\}$ , ogf]  
 A081436 11.0132 [  $(x+1)*(2x+1)/(x-1)^4$  ogf]  
 A081436 11.6909 [  $-(4x^2+13x+7)/(2x^3+x^2-2x-1)$  lgdogf]  
 A081436 21.2901  $-(7+13x+4x^2)/(x-1)/(2x+1)/(x+1)$  lgdogf  
 A081436 3.81864 [  $\{(n+4)*a(n+4)+(-1+2n)*a(n+3)+(-15-n)*a(n+2)+(-6-2n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 24, a(3) = 58\}$ , ogf]  
 A081437 11.1201 [  $-(x^2-6x-1)/(x-1)^4$  ogf]  
 A081437 11.6256 [  $-(-2x^2+16x+10)/(-x^3+7x^2-5x-1)$  lgdogf]  
 A081437 22.8040  $-2*(-5-8x+x^2)/(x-1)/(x^2-6x-1)$  lgdogf  
 A081437 3.83644 [  $\{(-n-4)*a(n+4)+(-5-5n)*a(n+3)+(30+7n)*a(n+2)+(-3-n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 33, a(3) = 76\}$ , ogf]  
 A081438 11.1201 [  $-(2x^2-7x-1)/(x-1)^4$  ogf]  
 A081438 11.6256 [  $-(-4x^2+17x+11)/(-2x^3+9x^2-6x-1)$  lgdogf]  
 A081438 20.3387  $-(-11-17x+4x^2)/(x-1)/(2x^2-7x-1)$  lgdogf  
 A081438 3.83644 [  $\{(-n-4)*a(n+4)+(-7-6n)*a(n+3)+(35+9n)*a(n+2)+(-6-2n)*a(n+1), a(0) = 1, a(1) = 11, a(2) = 36, a(3) = 82\}$ , ogf]  
 A081441 11.1945 [  $(8x^2-3x+1)/(x-1)^4$  ogf]  
 A081441 11.7034 [  $-(-16x^2-7x-1)/(-8x^3+11x^2-4x+1)$  lgdogf]  
 A081441 21.6448  $-(1+7x+16x^2)/(x-1)/(8x^2-3x+1)$  lgdogf  
 A081441 3.84290 [  $\{(n+4)*a(n+4)+(-13-4n)*a(n+3)+(15+11n)*a(n+2)+(-24-8n)*a(n+1), a(0) = 1, a(1) = 1, a(2) = 6, a(3) = 22\}$ , ogf]  
 A081489 11.2291 [  $(2x^2-x+1)/(x-1)^4$  ogf]  
 A081489 12.1064 [  $-(-4x^2-x-3)/(-2x^3+3x^2-2x+1)$  lgdogf]

A081489 25.3254  $-(3+x+4x^2)/(x-1)/(2x^2-x+1)$  lgdogf  
A081489 3.93303  $[{(n+4)a(n+4)+(-9-2n)a(n+3)+(5+3n)a(n+2)+(-2n-6)a(n+1), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 18}]$ , ogf]  
A081490 10.2222  $[(x^3+2x^2-2x+1)/(x-1)^4]$  ogf]  
A081490 18.3804  $-(2-2x+x^3+7x^2)/(x-1)/(x^3+2x^2-2x+1)$  lgdogf  
A081490 9.83890  $[-(x^3+7x^2-2x+2)/(x^4+x^3-4x^2+3x-1)]$  lgdogf]  
A081492 16.6102  $-(5+6x+21x^2+8x^3)/(x-1)/(x+1)/(4x^2-x+1)$  lgdogf  
A081492 9.17957  $[-(x+1)(4x^2-x+1)/(x-1)^5]$  ogf]  
A081492 9.40622  $[-(8x^3+21x^2+6x+5)/(4x^4-x^3-3x^2+x-1)]$  lgdogf]  
A081494 11.5335  $[(2x^3+x-1)/(2x-1)/(x-1)^2]$  ogf]  
A081494 14.6741  $-(3-7x+10x^3-2x^2)/(x-1)/(2x-1)/(2x^3+x-1)$  lgdogf  
A081494 5.28981  $[{a(n+4)-4a(n+3)+5a(n+2)-2a(n+1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 13}]$ , ogf]  
A081494 7.90500  $[-(10x^3-2x^2-7x+3)/(4x^5-6x^4+4x^3-5x^2+4x-1)]$  lgdogf]  
A081496 14.5484  $-10-8x-2x^2+((4x^2+16x+25)(x+2)^2)^{(1/2)}$  revogf  
A081496 3.60751  $[{(-8n^2-28n-24)a(n+1)+(22n^2+138n+216)a(n+2)+(-5n^2-35n-60)a(n+3), a(0) = 5, a(1) = 14, a(2) = 46}]$ , ogf]  
A081496 8.34238  $[-2x^2-8x-10+(4x^4+32x^3+105x^2+164x+100)^{(1/2)}$  revogf]  
A081497 8.15709  $(-3+2x)/(x+1)/(4x-1)$  lgdogf  
A081498 11.8941  $[-(x^2+x-1)/(x-1)^4]$  ogf]  
A081498 14.6552  $[-(2x^2+5x-3)/(x^3-2x+1)]$  lgdogf]  
A081498 32.2600  $-(x+3)(2x-1)/(x-1)/(x^2+x-1)$  lgdogf  
A081498 4.55941  $[{(n+4)a(n+4)+(-9-2n)a(n+3)+5a(n+2)+(n+3)a(n+1), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 6}]$ , ogf]  
A081499 15.7932  $-(2-6x+3x^5-2x^2+10x^3+5x^4)/(x-1)/(x+1)/(x^4+x^3+x^2-x-1)$  lgdogf  
A081499 7.93773  $[-(x^4+x^3+x^2-x-1)/(x+1)^3/(x-1)^4]$  ogf]  
A081499 8.24012  $[-(3x^5-5x^4-10x^3+2x^2+6x+2)/(-x^6-x^5+2x^3+2x^2-x-1)]$  lgdogf]  
A081502 7.64654  $[-x(6x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2]$  ogf]  
A081552 11.5555  $-(11-49x+90x^3+110x^2)/(-1+x)/(10x-1)/(9x^2+x-1)$  lgdogf  
A081552 5.29001  $[{a(n+3)-12a(n+2)+21a(n+1)-10a(n), a(0) = 1, a(1) = 11, a(2) = 102}]$ , ogf]  
A081552 7.01372  $[-(90x^3+110x^2-49x+11)/(90x^4-89x^3-12x^2+12x-1)]$  lgdogf]  
A081552 9.75345  $[(9x^2+x-1)/(10x-1)/(x-1)^2]$  ogf]  
A081554 12.4952  $[-(2x-6)/(x^2-6x+1)]$  lgdogf]  
A081554 13.1253  $[-(-4-3x+2(1+x)^{(1/2)}(x+2)^{(1/2)}*2^{(1/2)})/x]$  revogf  
A081554 16.2100  $[8x/(x^2-6x+1)]$  ogf]  
A081554 29.5318  $-2(x-3)/(x^2+1-6x)$  lgdogf  
A081554 7.40457  $[{a(n+2)-6a(n+1)+a(n), a(0) = 0, a(1) = 8}]$ , ogf]  
A081555 5.28076  $[{-a(n+3)+7a(n+2)-7a(n+1)+a(n), a(0) = 3, a(1) = 7, a(2) = 35}]$ , ogf]  
A081555 9.42819  $-(7-28x+58x^2-28x^3+7x^4)/(x-1)/(x^2-6x+1)/(7x^2-14x+3)$  lgdogf  
A081555 9.62461  $[-(7x^2-14x+3)/(x-1)/(x^2-6x+1)]$  ogf]  
A081556 8.49700  $2*(1+5x+33x^2+27+99x^2+23-33x^2+1+x^3+3x^2-99x^2+25)/(x-1)/(x+1)/(3x^26-6x^24+3x^22+x^4-3x^2-2x-1)$  lgdogf  
A081556 9.60530  $[-(3x^26-6x^24+3x^22+x^4-3x^2-2x-1)/(x-1)^2/(x+1)^2]$  ogf]  
A081557 14.0398  $a(n)+(-n^2-3n-2)a(n+2), a(0)=1, a(1)=1, a(2)=0$  lgdegf  
A081558 12.5420  $a(n)+(-n^2-3n-2)a(n+2), a(0)=2, a(1)=1, a(2)=0$  lgdegf  
A081560 12.0538  $4a(n)+(-n^2-3n-2)a(n+2), a(0)=1, a(1)=4, a(2)=0$  lgdegf  
A081561 10.9436  $4a(n)+(-n^2-3n-2)a(n+2), a(0)=2, a(1)=4, a(2)=0$  lgdegf  
A081562 12.8088  $a(n)+(-n^2-3n-2)a(n+2), a(0)=1, a(1)=2, a(2)=0$  lgdegf  
A081563 12.4957  $a(n)+(-n^2-3n-2)a(n+2), a(0)=2, a(1)=2, a(2)=0$  lgdegf  
A081565 12.4299  $a(n)+(-n^2-3n-2)a(n+2), a(0)=1, a(1)=3, a(2)=0$  lgdegf  
A081566 13.3507  $a(n)+(-n^2-3n-2)a(n+2), a(0)=2, a(1)=3, a(2)=0$  lgdegf  
A081567 13.5597  $[-(2x-1)/(5x^2-5x+1)]$  ogf]  
A081567 14.5725  $-1/2*(-1-5x+(1+2x+5x^2)^{(1/2)})/(2+5x)$  revogf  
A081567 15.3198  $-(3-10x+10x^2)/(-1+2x)/(5x^2-5x+1)$  lgdogf  
A081567 7.44129  $[{a(n+2)-5a(n+1)+5a(n), a(0) = 1, a(1) = 3}]$ , ogf]

A081567 8.97332  $[-(-10*x^2+10*x-3)/(-10*x^3+15*x^2-7*x+1) \text{ lgdogf}]$   
A081568 13.8370  $[-(3*x-1)/(11*x^2-7*x+1) \text{ ogf}]$   
A081568 14.8563  $-1/2*(-1-7*x+(1+2*x+5*x^2)^{(1/2)})/(3+11*x) \text{ revogf}$   
A081568 15.9990  $-(4-22*x+33*x^2)/(3*x-1)/(11*x^2-7*x+1) \text{ lgdogf}$   
A081568 7.66872  $[{a(n+2)-7*a(n+1)+11*a(n), a(0) = 1, a(1) = 4}, \text{ ogf}]$   
A081568 9.22470  $[-(-33*x^2+22*x-4)/(-33*x^3+32*x^2-10*x+1) \text{ lgdogf}]$   
A081569 12.5752  $[-(4*x-1)/(19*x^2-9*x+1) \text{ ogf}]$   
A081569 13.4829  $-1/2*(-1-9*x+(1+2*x+5*x^2)^{(1/2)})/(4+19*x) \text{ revogf}$   
A081569 14.5200  $-(5-38*x+76*x^2)/(4*x-1)/(19*x^2-9*x+1) \text{ lgdogf}$   
A081569 6.96939  $[{a(n+2)-9*a(n+1)+19*a(n), a(0) = 1, a(1) = 5}, \text{ ogf}]$   
A081569 8.38346  $[-(-76*x^2+38*x-5)/(-76*x^3+55*x^2-13*x+1) \text{ lgdogf}]$   
A081570 13.2145  $[-(5*x-1)/(29*x^2-11*x+1) \text{ ogf}]$   
A081570 14.1606  $-1/2*(-11*x-1+(1+2*x+5*x^2)^{(1/2)})/(5+29*x) \text{ revogf}$   
A081570 14.8513  $-(6-58*x+145*x^2)/(5*x-1)/(29*x^2-11*x+1) \text{ lgdogf}$   
A081570 7.39383  $[{a(n+2)-11*a(n+1)+29*a(n), a(0) = 1, a(1) = 6}, \text{ ogf}]$   
A081570 8.74763  $[-(-145*x^2+58*x-6)/(-145*x^3+84*x^2-16*x+1) \text{ lgdogf}]$   
A081571 12.6203  $[-(6*x-1)/(41*x^2-13*x+1) \text{ ogf}]$   
A081571 13.5156  $-1/2*(-1-13*x+(1+2*x+5*x^2)^{(1/2)})/(6+41*x) \text{ revogf}$   
A081571 14.1749  $-(7-82*x+246*x^2)/(6*x-1)/(41*x^2-13*x+1) \text{ lgdogf}$   
A081571 7.06137  $[{a(n+2)-13*a(n+1)+41*a(n), a(0) = 1, a(1) = 7}, \text{ ogf}]$   
A081571 8.23826  $[-(-246*x^2+82*x-7)/(-246*x^3+119*x^2-19*x+1) \text{ lgdogf}]$   
A081574 11.1429  $[-(38*x-9)/(19*x^2-9*x+1) \text{ lgdogf}]$   
A081574 14.8112  $-1/38*(-1-9*x+(1+18*x+5*x^2)^{(1/2)})/x \text{ revogf}$   
A081574 16.3867  $[x/(19*x^2-9*x+1) \text{ ogf}]$   
A081574 21.9205  $-(9+38*x)/(19*x^2+1-9*x) \text{ lgdogf}$   
A081574 6.79448  $[{a(n+2)-9*a(n+1)+19*a(n), a(0) = 0, a(1) = 1}, \text{ ogf}]$   
A081575 11.6511  $[-(58*x-11)/(29*x^2-11*x+1) \text{ lgdogf}]$   
A081575 15.7033  $-1/58*(-11*x-1+(5*x^2+22*x+1)^{(1/2)})/x \text{ revogf}$   
A081575 17.3103  $[x/(29*x^2-11*x+1) \text{ ogf}]$   
A081575 22.1010  $-(-11+58*x)/(29*x^2+1-11*x) \text{ lgdogf}$   
A081575 7.29951  $[{a(n+2)-11*a(n+1)+29*a(n), a(0) = 0, a(1) = 1}, \text{ ogf}]$   
A081583 32.2517  $-2*(5+x)/(2*x+1)/(x-1) \text{ lgdogf}$   
A081583 4.76231  $[{(n+3)*a(n+3)+(-8+n)*a(n+2)+(-4-2*n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 46}, \text{ ogf}]$   
A081583 9.28040  $[ (2*x+1)^3/(x-1)^4 \text{ ogf}]$   
A081584 30.1369  $-(13+2*x)/(2*x+1)/(x-1) \text{ lgdogf}$   
A081584 4.62099  $[{(n+3)*a(n+3)+(-11+n)*a(n+2)+(-4-2*n)*a(n+1), a(0) = 1, a(1) = 13, a(2) = 79}, \text{ ogf}]$   
A081584 7.21440  $[ -(2*x+1)^4/(x-1)^5 \text{ ogf}]$   
A081585 11.2283  $(2*\text{HeunG}(5/27,19/108,-1/6,1/6,1/2,-1,-5*x))*(27*x+1)^{(1/2)}-2+x)/(9+x) \text{ revogf}$   
A081585 12.7634  $[-(3*x+1)^2/(x-1)^3 \text{ ogf}]$   
A081585 34.7056  $-3*(x+3)/(3*x+1)/(x-1) \text{ lgdogf}$   
A081585 6.88998  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 9, a(2) = 33}, \text{ ogf}]$   
A081586 32.5633  $-(13+3*x)/(3*x+1)/(x-1) \text{ lgdogf}$   
A081586 5.02164  $[{(n+3)*a(n+3)+(-9+2*n)*a(n+2)+(-6-3*n)*a(n+1), a(0) = 1, a(1) = 13, a(2) = 73}, \text{ ogf}]$   
A081586 9.66190  $[ (3*x+1)^3/(x-1)^4 \text{ ogf}]$   
A081587 12.3386  $[-(4*x+1)^2/(x-1)^3 \text{ ogf}]$   
A081587 32.6148  $-(11+4*x)/(4*x+1)/(x-1) \text{ lgdogf}$   
A081587 6.71048  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 11, a(2) = 46}, \text{ ogf}]$   
A081588 32.5387  $-4*(x+4)/(4*x+1)/(x-1) \text{ lgdogf}$   
A081588 4.73998  $[{(n+3)*a(n+3)+(-10+3*n)*a(n+2)+(-8-4*n)*a(n+1), a(0) = 1, a(1) = 16, a(2) = 106}, \text{ ogf}]$   
A081588 9.12446  $[ (4*x+1)^3/(x-1)^4 \text{ ogf}]$   
A081589 12.1206  $[-(5*x+1)^2/(x-1)^3 \text{ ogf}]$   
A081589 32.5584  $-(5*x+13)/(5*x+1)/(x-1) \text{ lgdogf}$   
A081589 6.69823  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 13, a(2) = 61}, \text{ ogf}]$

A081590 30.7085  $-(19+5*x)/(5*x+1)/(x-1)$  lgdogf  
A081590 4.64697  $[{(n+3)*a(n+3)+(-11+4*n)*a(n+2)+(-10-5*n)*a(n+1), a(0) = 1, a(1) = 19, a(2) = 145}],$  ogf]  
A081590 8.89236  $[(5*x+1)^3/(x-1)^4$  ogf]  
A081591 11.9211  $[-(6*x+1)^2/(x-1)^3$  ogf]  
A081591 30.6823  $-3*(5+2*x)/(6*x+1)/(x-1)$  lgdogf  
A081591 6.58798  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 15, a(2) = 78}],$  ogf]  
A081592 11.3942  $[-(x^38-x^17+x^8-x^5+x^3-x^2+x+1)/(x-1)$  ogf]  
A081592 8.53226  $(-2+17*x^16-16*x^17+2*x+7*x^8-8*x^7-4*x^5+5*x^4+37*x^38-38*x^37+2*x^3-4*x^2)/(x-1)/(x^38-x^17+x^8-x^5+x^3-x^2+x+1)$  lgdogf  
A081593 12.1537  $[-(7*x+1)^2/(x-1)^3$  ogf]  
A081593 32.6535  $-(17+7*x)/(7*x+1)/(x-1)$  lgdogf  
A081593 6.71653  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 17, a(2) = 97}],$  ogf]  
A081594 10.2352  $[-x*(7*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A081595 7.65938  $[-x*(5*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A081596 7.63670  $[-x*(4*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A081597 7.54385  $[-x*(3*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A081598 7.57877  $[-x*(2*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A081599 7.61370  $[-x*(x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A081600 15.5663  $[x*(x^2+x+1)*(x^6+x^3+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A081600 61.6241  $[x^9-x^8+2$  ogf\_with\_Euler\_transform]  
A081607 4.37198  $[(x^35+x^34+x^32+x^31+x^29+x^28+x^24+x^21+x^20+x^19+x^18+x^15+x^12+x^11+x^10+x^9+x^6+x^3+1)/(x^2+x+1)/(x^6+x^3+1)/(x^18+x^9+1)/(x-1)^2$  ogf]  
A081612 6.35168  $[-(x^4-x^3+x^2-x+1)*(x^10-x^9-x^6+x^4+x^3-x^2+1)/(x-1)^3$  ogf]  
A081622 9.31090  $[-(5*x^4-4*x^3-3*x^2-2*x-1)/(x^5+x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A081625 12.3766  $[-(x-1)/(5*x-1)/(3*x-1)$  ogf]  
A081625 12.9569  $-1/2*(-1-8*x+(1+12*x+4*x^2)^(1/2))/(15*x+1)$  revogf  
A081625 14.6618  $-(7-30*x+15*x^2)/(x-1)/(3*x-1)/(5*x-1)$  lgdogf  
A081625 6.85934  $[{-a(n+2)+8*a(n+1)-15*a(n), a(0) = 1, a(1) = 7}],$  ogf]  
A081626 11.8554  $[-(2*x-1)/(6*x-1)/(4*x-1)$  ogf]  
A081626 12.3914  $-1/4*(-1-10*x+(1+12*x+4*x^2)^(1/2))/(1+12*x)$  revogf  
A081626 13.2981  $-8*(1-6*x+6*x^2)/(6*x-1)/(2*x-1)/(-1+4*x)$  lgdogf  
A081626 6.63340  $[{-a(n+2)+10*a(n+1)-24*a(n), a(0) = 1, a(1) = 8}],$  ogf]  
A081627 12.6203  $[-(3*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A081627 13.2084  $-1/2*(-1-12*x+(1+12*x+4*x^2)^(1/2))/(3+35*x)$  revogf  
A081627 14.1749  $-(9-70*x+105*x^2)/(3*x-1)/(7*x-1)/(5*x-1)$  lgdogf  
A081627 7.06137  $[{-a(n+2)+12*a(n+1)-35*a(n), a(0) = 1, a(1) = 9}],$  ogf]  
A081628 16.3846  $[(9*x+1)/(x+1)/(5*x+1)$  ogf]  
A081628 17.2626  $-1/2*(-1+6*x+(1+24*x+16*x^2)^(1/2))/(-9+5*x)$  revogf  
A081628 19.4757  $-(-3+10*x+45*x^2)/(5*x+1)/(9*x+1)/(x+1)$  lgdogf  
A081628 8.99156  $[{a(n+2)+6*a(n+1)+5*a(n), a(0) = 1, a(1) = 3}],$  ogf]  
A081630 16.6610  $[-(7*x+1)/(3*x+1)/(x-1)$  ogf]  
A081630 18.5651  $1/2/(7+3*x)*(-1+2*x+(1+24*x+16*x^2)^(1/2))$  revogf  
A081630 9.14323  $[{-a(n+2)-2*a(n+1)+3*a(n), a(0) = 1, a(1) = 5}],$  ogf]  
A081631 10.6239  $[{a(n+2)-4*a(n), a(0) = 1, a(1) = 6}],$  ogf]  
A081631 15.8618  $-2*(3+4*x+12*x^2)/(2*x+1)/(-1+2*x)/(6*x+1)$  lgdogf  
A081631 16.2486  $-\ln(2)+1/2*\ln(3+2*x+(1+4*x^2+12*x)^(1/2))$  revogf  
A081631 16.5837  $[-(6*x+1)/(2*x+1)/(2*x-1)$  ogf]  
A081632 14.8424  $[-(5*x+1)/(x+1)/(3*x-1)$  ogf]

A081632 15.5923  $1/2/(5+3*x)*(-2*x-1+(1+24*x+16*x^2)^{(1/2)})$  revogf  
A081632 17.6994  $-(7+6*x+15*x^2)/(5*x+1)/(3*x-1)/(x+1)$  lgdogf  
A081632 8.14524  $[{a(n+2)-2*a(n+1)-3*a(n), a(0) = 1, a(1) = 7}],$  ogf]  
A081651 3.32751  $[x^6-x^5+x^2+1$  ogf\_with\_Euler\_transform]  
A081654 16.6096  $[-(4*x+1)/(4*x-1)$  ogf]  
A081654 16.7226  $-1/8-1/2*x+1/8*(1+24*x+16*x^2)^{(1/2)}$  revogf  
A081654 31.6850  $-8/(-1+4*x)/(4*x+1)$  lgdogf  
A081654 8.53550  $[{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 8}],$  ogf]  
A081655 12.6517  $[ (3*x+1)/(5*x-1)/(x-1)$  ogf]  
A081655 12.9569  $-1/2*(-1-6*x+(1+24*x+16*x^2)^{(1/2)})/(5*x-3)$  revogf  
A081655 14.2858  $-(-9+10*x+15*x^2)/(x-1)/(3*x+1)/(5*x-1)$  lgdogf  
A081655 6.94299  $[{-a(n+2)+6*a(n+1)-5*a(n), a(0) = 1, a(1) = 9}],$  ogf]  
A081656 12.1783  $[ (2*x+1)/(6*x-1)/(2*x-1)$  ogf]  
A081656 12.4595  $-1/4*(-1-8*x+(1+24*x+16*x^2)^{(1/2)})/(-1+6*x)$  revogf  
A081656 12.7493  $-2*(-5+12*x+12*x^2)/(6*x-1)/(1+2*x)/(2*x-1)$  lgdogf  
A081656 6.66907  $[{-a(n+2)+8*a(n+1)-12*a(n), a(0) = 1, a(1) = 10}],$  ogf]  
A081657 12.6840  $[ (x+1)/(7*x-1)/(3*x-1)$  ogf]  
A081657 12.6993  $-1/2*(-1-10*x+(1+24*x+16*x^2)^{(1/2)})/(-1+21*x)$  revogf  
A081657 14.2480  $-(-11+42*x+21*x^2)/(-1+3*x)/(7*x-1)/(x+1)$  lgdogf  
A081657 7.01353  $[{-a(n+2)+10*a(n+1)-21*a(n), a(0) = 1, a(1) = 11}],$  ogf]  
A081659 10.7546  $[ (x^3+x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A081659 13.4726  $-(2-2*x+6*x^3+x^4+x^5-6*x^2)/(x-1)/(x^2+x-1)/(x^3+x-1)$  lgdogf  
A081659 5.22583  $[{a(n+4)-3*a(n+3)+2*a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 6}],$  ogf]  
A081660 10.4895  $[ (2*x^3+x-1)/(x+1)/(2*x-1)/(x-1)^2$  ogf]  
A081660 11.4483  $-2*(1+2*x^5-7*x^2+6*x^3+2*x^4)/(x-1)/(2*x-1)/(x+1)/(2*x^3+x-1)$  lgdogf  
A081660 3.69274  $[{(-4*n-6)*a(n+1)+(2*n-1)*a(n+2)+(4*n+4)*a(n+3)+(-2*n-1)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 8}],$  ogf]  
A081661 10.6073  $-(3-2*x+8*x^5-15*x^2+12*x^3+6*x^4)/(x-1)/(2*x-1)/(x+1)/(2*x^3+x-1)$  lgdogf  
A081661 9.27197  $[ -(2*x^3+x-1)/(x+1)/(2*x-1)/(x-1)^3$  ogf]  
A081662 12.1716  $-(3-4*x+2*x^5+2*x^4+6*x^3-6*x^2)/(x-1)/(x^2+x-1)/(x^3+x-1)$  lgdogf  
A081662 9.35439  $[ -(x^3+x-1)/(x^2+x-1)/(x-1)^3$  ogf]  
A081663 4.66508  $[{a(n+4)-7*a(n+3)+17*a(n+2)-16*a(n+1)+4*a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 25}],$  ogf]  
A081663 8.56249  $[ -(3*x^3-5*x^2+4*x-1)/(x^2-3*x+1)/(2*x-1)^2$  ogf]  
A081663 8.61179  $-(-3+18*x+30*x^3-17*x^4+6*x^5-36*x^2)/(2*x-1)/(x^2-3*x+1)/(3*x^3-5*x^2+4*x-1)$  lgdogf  
A081666 6.97710  $-(-4+44*x-186*x^2+386*x^3-415*x^4+195*x^5)/(-1+3*x)/(5*x^2-5*x+1)/(13*x^3-16*x^2+7*x-1)$  lgdogf  
A081666 7.46651  $[ -(13*x^3-16*x^2+7*x-1)/(5*x^2-5*x+1)/(3*x-1)^2$  ogf]  
A081671 20.1849  $-(-4*x+(4*x^2+1)^{(1/2)})/(-1+12*x^2)*x$  revogf  
A081671 27.6608  $-4*(-1+3*x)/(6*x-1)/(2*x-1)$  lgdogf  
A081671 4.93217  $[{(-n-3)*a(n+3)+(20+8*n)*a(n+2)+(-24-12*n)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 18}],$  ogf]  
A081672 3.48879  $[{(8*n+8)*a(n)+(-4*n-8)*a(n+1)+(-2*n-4)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 8}],$  ogf]  
A081674 10.7731  $[ x*(2*x-1)/(x-1)/(3*x-1)/(4*x-1)$  ogf]  
A081674 11.1799  $-2*(-3+19*x+24*x^3-37*x^2)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)$  lgdogf  
A081674 5.62487  $[{-a(n+3)+8*a(n+2)-19*a(n+1)+12*a(n), a(0) = 0, a(1) = 1, a(2) = 6}],$  ogf]  
A081675 5.17885  $[{-a(n+3)+11*a(n+2)-38*a(n+1)+40*a(n), a(0) = 0, a(1) = 1, a(2) = 8}],$  ogf]  
A081675 9.37283  $-2*(-4+38*x-117*x^2+120*x^3)/(-1+4*x)/(3*x-1)/(-1+2*x)/(5*x-1)$  lgdogf  
A081675 9.83982  $[ x*(3*x-1)/(4*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A081678 5.08303  $[{-a(n+3)+14*a(n+2)-63*a(n+1)+90*a(n), a(0) = 0, a(1) = 1, a(2) = 10}],$  ogf]  
A081678 9.43302  $-2*(-5+63*x-261*x^2+360*x^3)/(6*x-1)/(-1+4*x)/(3*x-1)/(5*x-1)$

lgdogf  
 A081678 9.74247 [  $x^*(4*x-1)/(6*x-1)/(3*x-1)/(5*x-1)$  ogf]  
 A081679 5.23104 [  $-(498*x^4-429*x^3+136*x^2-19*x+1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
 A081680 5.46936 [  $-(1083*x^4-762*x^3+199*x^2-23*x+1)/(6*x-1)/(4*x-1)/(3*x-1)/(7*x-1)/(5*x-1)$  ogf]  
 A081681 5.68845 [  $-(2068*x^4-1233*x^3+274*x^2-27*x+1)/(6*x-1)/(4*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
 A081682 5.19088 [  $-(3603*x^4-1866*x^3+361*x^2-31*x+1)/(6*x-1)/(9*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
 A081683 4.92432 [  $-(5862*x^4-2685*x^3+460*x^2-35*x+1)/(6*x-1)/(9*x-1)/(8*x-1)/(7*x-1)/(10*x-1)$  ogf]  
 A081684 6.83133 [  $-(254*x^4-266*x^3+99*x^2-16*x+1)/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
 A081685 6.55603 [  $-(636*x^4-516*x^3+153*x^2-20*x+1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
 A081686 6.18208 [  $-(1326*x^4-886*x^3+219*x^2-24*x+1)/(6*x-1)/(4*x-1)/(3*x-1)/(7*x-1)/(5*x-1)$  ogf]  
 A081687 5.15055 [  $-(2456*x^4-1400*x^3+297*x^2-28*x+1)/(6*x-1)/(4*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
 A081696 10.0750  $-( -2+7*x+4*x^2+(-(-1+4*x)*(-1+2*x)^2)^{1/2} )/(-1+4*x)/(x^2+4*x-1)$  lgdogf  
 A081696 18.1911  $(-2*x+(5*x^2+1-2*x)^{1/2})*x/(x-1)^2$  revogf  
 A081696 3.33955 [  $\{(-4*n-10)*a(n+1)+(-15*n-36)*a(n+2)+(8*n+26)*a(n+3)+(-n-4)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 9\}$ , ogf]  
 A081704 14.1844  $-1/2*(-1-5*x+(1+2*x+13*x^2)^{1/2})/(2+3*x)$  revogf  
 A081704 15.6775  $-3*(1-2*x+2*x^2)/(2*x-1)/(3*x^2-5*x+1)$  lgdogf  
 A081704 16.2375 [  $-(2*x-1)/(3*x^2-5*x+1)$  ogf]  
 A081704 8.91080 [  $\{a(n+2)-5*a(n+1)+3*a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
 A081708 15.1564 [  $(x-2)/(64*x^2+x-1)$  ogf]  
 A081708 8.39994 [  $\{-a(n+2)+a(n+1)+64*a(n), a(0) = 2, a(1) = 1\}$ , ogf]  
 A081714 13.4258 [  $-x*(2*x-3)/(x+1)/(x^2-3*x+1)$  ogf]  
 A081714 15.7305  $-(4+12*x+4*x^3-13*x^2)/(2*x-3)/(1+x)/(x^2-3*x+1)$  lgdogf  
 A081714 6.89432 [  $\{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 3, a(2) = 4\}$ , ogf]  
 A081750 7.47895 [  $(x^{10}+5*x^9-x^8-4*x^7-5*x^6-2*x^5+x^4-3*x^3+3*x^2+2*x+5)/(x+1)/(x^2-x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
 A081753 14.7260 [  $(x^3-x^2+1)/(x+1)/(x^4-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2$  ogf]  
 A081753 7.31337  $-(1-x+13*x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+10*x^{14}-10*x^{13}+3*x^2)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^3-x^2+1)/(x^4-x^2+1)$  lgdogf  
 A081808 12.7068 [  $\{a(n+1)-2*a(n), a(0) = 12\}$ , ogf]  
 A081808 25.9023 [  $-12/(2*x-1)$  ogf]  
 A081808 29.9996  $-1/2*\ln(6)+1/2*\ln(6+x)$  revogf  
 A081808 65.9991  $-2/(2*x-1)$  lgdogf  
 A081854 7.44691 [  $-(770*x^4+3503*x^3+1823*x^2+45*x+3)/(x-1)^5$  ogf]  
 A081854 9.39518  $-2*(30+1913*x+385*x^4+5043*x^3+7989*x^2)/(x-1)/(770*x^4+3503*x^3+1823*x^2+45*x+3)$  lgdogf  
 A081857 10.4630 [  $-x*(8*x^2-x-1)/(x-1)/(x+1)/(10*x^2-1)$  ogf]  
 A081857 9.01778  $-(1+6*x+160*x^5-30*x^4-40*x^3+11*x^2)/(x-1)/(x+1)/(8*x^2-x-1)/(10*x^2-1)$  lgdogf  
 A081890 4.84817 [  $-(4182*x^4-2082*x^3+387*x^2-32*x+1)/(6*x-1)/(9*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
 A081891 4.87355 [  $-(6684*x^4-2956*x^3+489*x^2-36*x+1)/(6*x-1)/(9*x-1)/(8*x-1)/(7*x-1)/(10*x-1)$  ogf]  
 A081892 23.5909  $-(-5+6*x)/(3*x-1)/(-1+2*x)$  lgdogf  
 A081892 5.44414 [  $\{a(n+3)-9*a(n+2)+27*a(n+1)-27*a(n), a(0) = 1, a(1) = 5, a(2) = 22\}$ , ogf]  
 A081892 9.93771 [  $-(2*x-1)^2/(3*x-1)^3$  ogf]  
 A081893 20.9749  $-6*(2*x-1)/(-1+4*x)/(-1+3*x)$  lgdogf

A081893 5.16950 [ $\{a(n+3)-12a(n+2)+48a(n+1)-64a(n), a(0) = 1, a(1) = 6, a(2) = 33\}$ , ogf]  
A081893 9.17652  $-2*(\text{HeunG}(27/40, -7/40, -2/3, -1/3, 1/2, 1/2, -27/4*x)-1-8*x)/(9+64*x)$  revogf  
A081893 9.36972 [ $-(3*x-1)^2/(4*x-1)^3$  ogf]  
A081894 22.8339  $-(-7+20*x)/(5*x-1)/(4*x-1)$  lgdogf  
A081894 5.17828 [ $\{a(n+3)-15a(n+2)+75a(n+1)-125a(n), a(0) = 1, a(1) = 7, a(2) = 46\}$ , ogf]  
A081894 8.36171  $-1/3*(8*\text{HeunG}(18/35, -9/70, -2/3, -1/3, 1/2, 1/2, -27/4*x)-8-75*x)/(16+125*x)$  revogf  
A081894 9.17968 [ $-(4*x-1)^2/(5*x-1)^3$  ogf]  
A081895 25.6786  $-6*(x-1)/(-1+3*x)/(2*x-1)$  lgdogf  
A081895 4.27894 [ $\{(n+3)*a(n+3)+(-16-5*n)*a(n+2)+(12+6*n)*a(n+1), a(0) = 1, a(1) = 6, a(2) = 30\}$ , ogf]  
A081895 7.88769 [ $-(2*x-1)^3/(3*x-1)^4$  ogf]  
A081896 22.4387  $-(-7+12*x)/(4*x-1)/(-1+3*x)$  lgdogf  
A081896 4.01434 [ $\{(n+3)*a(n+3)+(-21-7*n)*a(n+2)+(24+12*n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 43\}$ , ogf]  
A081896 7.27304 [ $-(3*x-1)^3/(4*x-1)^4$  ogf]  
A081897 19.4722  $-4*(-2+5*x)/(5*x-1)/(-1+4*x)$  lgdogf  
A081897 3.61822 [ $\{(n+3)*a(n+3)+(-26-9*n)*a(n+2)+(40+20*n)*a(n+1), a(0) = 1, a(1) = 8, a(2) = 58\}$ , ogf]  
A081897 6.40467 [ $-(4*x-1)^3/(5*x-1)^4$  ogf]  
A081898 23.5162  $-(-7+6*x)/(-1+3*x)/(2*x-1)$  lgdogf  
A081898 4.07819 [ $\{(n+3)*a(n+3)+(-17-5*n)*a(n+2)+(12+6*n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 39\}$ , ogf]  
A081898 5.99964 [ $-(2*x-1)^4/(3*x-1)^5$  ogf]  
A081899 20.9734  $-4*(-2+3*x)/(4*x-1)/(3*x-1)$  lgdogf  
A081899 3.75623 [ $\{(n+3)*a(n+3)+(-22-7*n)*a(n+2)+(24+12*n)*a(n+1), a(0) = 1, a(1) = 8, a(2) = 54\}$ , ogf]  
A081899 5.30696 [ $-(3*x-1)^4/(4*x-1)^5$  ogf]  
A081900 21.4310  $-(-9+20*x)/(5*x-1)/(4*x-1)$  lgdogf  
A081900 3.69603 [ $\{(n+3)*a(n+3)+(-27-9*n)*a(n+2)+(40+20*n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 71\}$ , ogf]  
A081900 5.12783 [ $-(4*x-1)^4/(5*x-1)^5$  ogf]  
A081901 22.6203  $-2*(-4+3*x)/(-1+3*x)/(2*x-1)$  lgdogf  
A081901 4.22164 [ $\{(n+3)*a(n+3)+(-18-5*n)*a(n+2)+(12+6*n)*a(n+1), a(0) = 1, a(1) = 8, a(2) = 49\}$ , ogf]  
A081901 5.08591 [ $-(2*x-1)^5/(3*x-1)^6$  ogf]  
A081902 20.0518  $-3*(-3+4*x)/(-1+4*x)/(-1+3*x)$  lgdogf  
A081902 3.85507 [ $\{(n+3)*a(n+3)+(-23-7*n)*a(n+2)+(24+12*n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 66\}$ , ogf]  
A081902 4.49758 [ $-(3*x-1)^5/(4*x-1)^6$  ogf]  
A081903 20.3282  $-10*(2*x-1)/(5*x-1)/(-1+4*x)$  lgdogf  
A081903 3.74950 [ $\{(n+3)*a(n+3)+(-28-9*n)*a(n+2)+(40+20*n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 85\}$ , ogf]  
A081903 4.24213 [ $-(4*x-1)^5/(5*x-1)^6$  ogf]  
A081904 20.9749  $-3*(-3+2*x)/(-1+3*x)/(2*x-1)$  lgdogf  
A081904 3.91936 [ $\{(n+3)*a(n+3)+(-19-5*n)*a(n+2)+(12+6*n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 60\}$ , ogf]  
A081904 3.97127 [ $-(2*x-1)^6/(3*x-1)^7$  ogf]  
A081905 19.2583  $-2*(-5+6*x)/(-1+4*x)/(3*x-1)$  lgdogf  
A081905 3.46675 [ $-(3*x-1)^6/(4*x-1)^7$  ogf]  
A081905 3.55622 [ $\{(n+3)*a(n+3)+(-24-7*n)*a(n+2)+(24+12*n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 79\}$ , ogf]  
A081906 20.7561  $-(-11+20*x)/(5*x-1)/(-1+4*x)$  lgdogf  
A081906 3.63899 [ $-(4*x-1)^6/(5*x-1)^7$  ogf]  
A081906 3.80228 [ $\{(n+3)*a(n+3)+(-29-9*n)*a(n+2)+(40+20*n)*a(n+1), a(0) = 1, a(1) = 11, a(2) = 100\}$ , ogf]  
A081907 20.3282  $-2*(-4+15*x)/(6*x-1)/(5*x-1)$  lgdogf  
A081907 4.92519 [ $\{a(n+3)-18a(n+2)+108a(n+1)-216a(n), a(0) = 1, a(1) = 8, a(2) = 33\}$ , ogf]

= 61}, ogf]  
 A081907 7.90540  $-2/3*(5*HeunG(5/12, -11/108, -2/3, -1/3, 1/2, 1/2, -27/4*x) - 5 - 54*x) / (25 + 216*x)$  revogf  
 A081907 8.54665 [  $-(5*x-1)^2 / (6*x-1)^3$  ogf]  
 A081908 11.1881 [  $-(5*x^2-4*x+1) / (2*x-1)^3$  ogf]  
 A081908 17.8999  $-2*(1-3*x+5*x^2) / (2*x-1) / (5*x^2-4*x+1)$  lgdogf  
 A081908 6.13862 [  $\{a(n+3) - 6*a(n+2) + 12*a(n+1) - 8*a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
 A081909 15.1569  $-(3-16*x+30*x^2) / (3*x-1) / (10*x^2-6*x+1)$  lgdogf  
 A081909 5.25070 [  $\{a(n+3) - 9*a(n+2) + 27*a(n+1) - 27*a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]  
 A081909 9.43484 [  $-(10*x^2-6*x+1) / (3*x-1)^3$  ogf]  
 A081910 14.8563  $-2*(2-15*x+34*x^2) / (-1+4*x) / (17*x^2-8*x+1)$  lgdogf  
 A081910 5.48710 [  $\{a(n+3) - 12*a(n+2) + 48*a(n+1) - 64*a(n), a(0) = 1, a(1) = 4, a(2) = 17\}$ , ogf]  
 A081910 9.79237 [  $-(17*x^2-8*x+1) / (4*x-1)^3$  ogf]  
 A081911 13.8117  $-(5-48*x+130*x^2) / (5*x-1) / (26*x^2-10*x+1)$  lgdogf  
 A081911 4.94409 [  $\{a(n+3) - 15*a(n+2) + 75*a(n+1) - 125*a(n), a(0) = 1, a(1) = 5, a(2) = 26\}$ , ogf]  
 A081911 8.63372 [  $-(26*x^2-10*x+1) / (5*x-1)^3$  ogf]  
 A081912 14.2314  $-2*(3-35*x+111*x^2) / (6*x-1) / (37*x^2-12*x+1)$  lgdogf  
 A081912 5.28921 [  $\{a(n+3) - 18*a(n+2) + 108*a(n+1) - 216*a(n), a(0) = 1, a(1) = 6, a(2) = 37\}$ , ogf]  
 A081912 9.17834 [  $-(37*x^2-12*x+1) / (6*x-1)^3$  ogf]  
 A081913 12.1971  $-( -2+12*x-27*x^2+14*x^3) / (x-1) / (-1+2*x) / (7*x^2-5*x+1)$  lgdogf  
 A081913 4.28426 [  $\{(-4*n-8)*a(n+1) + (4*n+4)*a(n+2) - a(n+3)*n, a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9\}$ , ogf]  
 A081913 8.14538 [  $-(x-1)*(7*x^2-5*x+1) / (2*x-1)^4$  ogf]  
 A081914 11.4073  $-3*(-1+9*x-28*x^2+26*x^3) / (-1+3*x) / (2*x-1) / (13*x^2-7*x+1)$  lgdogf  
 A081914 4.48033 [  $\{-a(n+4) + 12*a(n+3) - 54*a(n+2) + 108*a(n+1) - 81*a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 28\}$ , ogf]  
 A081914 7.89392 [  $-(2*x-1)*(13*x^2-7*x+1) / (3*x-1)^4$  ogf]  
 A081915 10.7580  $-( -4+48*x+252*x^3-195*x^2) / (3*x-1) / (-1+4*x) / (21*x^2-9*x+1)$  lgdogf  
 A081915 4.24336 [  $\{-a(n+4) + 16*a(n+3) - 96*a(n+2) + 256*a(n+1) - 256*a(n), a(0) = 1, a(1) = 4, a(2) = 16, a(3) = 65\}$ , ogf]  
 A081915 7.40121 [  $-(3*x-1)*(21*x^2-9*x+1) / (4*x-1)^4$  ogf]  
 A081916 3.80565 [  $\{-a(n+4) + 20*a(n+3) - 150*a(n+2) + 500*a(n+1) - 625*a(n), a(0) = 1, a(1) = 5, a(2) = 25, a(3) = 126\}$ , ogf]  
 A081916 5.39315  $x*(206+2550*x^3+4229*x^9+7911*x^6) / (206+1030*x+9843*x^6+2756*x^3+12750*x^4+7580*x^9+21145*x^10+39555*x^7)$  revogf  
 A081916 6.57340 [  $-(4*x-1)*(31*x^2-11*x+1) / (5*x-1)^4$  ogf]  
 A081916 9.76346  $-( -5+75*x-378*x^2+620*x^3) / (5*x-1) / (4*x-1) / (31*x^2-11*x+1)$  lgdogf  
 A081919 25.0481  $(-1-x*x^2) / (x-1) / (1+x)$  lgdegf  
 A081919 3.12909 [  $\{(n^2+5*n+6)*a(n+1) + (-n^2-6*n-9)*a(n+2) + a(n+4) - a(n+3), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 4\}$ , ogf]  
 A081920 23.8487  $(-2-x+2*x^2) / (x-1) / (x+1)$  lgdegf  
 A081920 3.19425 [  $\{(2*n^2+10*n+12)*a(n+1) + (-n^2-6*n-9)*a(n+2) + a(n+4) - 2*a(n+3), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 14\}$ , ogf]  
 A081921 22.4680  $(-3-x+3*x^2) / (x-1) / (1+x)$  lgdegf  
 A081922 23.9658  $4+x-4*x^2+(-1+x^2)*f(x)$  lgdegf  
 A081922 3.06085 [  $\{(-4*n^2-20*n-24)*a(n+1) + (n^2+6*n+9)*a(n+2) - a(n+4) + 4*a(n+3), a(0) = 1, a(1) = 4, a(2) = 17, a(3) = 76\}$ , ogf]  
 A081923 3.96954 [  $\{(-2*n-4)*a(n+1) + (n+6)*a(n+2) - a(n+3), a(0) = 1, a(1) = 4, a(2) = 18\}$ , ogf]  
 A081923 30.8300  $-4+2*x+(1-x)*f(x)$  lgdegf  
 A081924 31.8692  $-5+3*x+(1-x)*f(x)$  lgdegf  
 A081924 4.10041 [  $\{(-3*n-6)*a(n+1) + (n+7)*a(n+2) - a(n+3), a(0) = 1, a(1) = 5, a(2) = 27\}$ , ogf]  
 A081929 8.68742 [  $(900*x^12-1080*x^11-x^2-19*x-1) / (x-1)^3$  ogf]



A081929 8.72145  $(22+40*x+8100*x^{12}-19440*x^{11}+11880*x^{10}+x^2)/(x-1)/(900*x^{12}-1080*x^{11}-x^2-19*x-1)$  lgdogf  
A081956 18.3016  $-1/12*(-2-5*x+(4+20*x+x^2)^{(1/2)})/x$  revogf  
A081956 19.8010  $[2/(3*x-1)/(2*x-1)]$  ogf  
A081956 24.6368  $-(-5+12*x)/(3*x-1)/(2*x-1)$  lgdogf  
A081956 7.87269  $[{-a(n+2)+5*a(n+1)-6*a(n), a(0) = 2, a(1) = 10}]$ , ogf  
A082010 6.81739  $[x*(x^2+x+1)*(x^8+2*x^6-x^5+2*x^4+2*x^2-x+2)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2/(x+1)^2]$  ogf  
A082028 23.8232  $(-4-x+x^2)/(x-1)/(x+1)$  lgdegf  
A082029 22.3287  $(-5-x+2*x^2)/(x-1)/(1+x)$  lgdegf  
A082030 36.1185  $-4+x+(1-x)*f(x)$  lgdegf  
A082030 4.10041  $[{(-n-2)*a(n+1)+(n+6)*a(n+2)-a(n+3), a(0) = 1, a(1) = 4, a(2) = 19}]$ , ogf  
A082031 32.7352  $-5+2*x+(1-x)*f(x)$  lgdegf  
A082031 4.20946  $[{(-2*n-4)*a(n+1)+(n+7)*a(n+2)-a(n+3), a(0) = 1, a(1) = 5, a(2) = 28}]$ , ogf  
A082032 28.5995  $-4+4*x+(1-2*x)*f(x)$  lgdegf  
A082032 4.11075  $[{(-4*n-8)*a(n+1)+(2*n+8)*a(n+2)-a(n+3), a(0) = 1, a(1) = 4, a(2) = 20}]$ , ogf  
A082033 13.3809  $[ (2*x+1)/(x-1)^2]$  egf  
A082033 26.8254  $-2*(x+2)/(2*x+1)/(x-1)$  lgdegf  
A082033 3.52130  $[{(-4*n^2-16*n-16)*a(n+1)+(-3*n^2-17*n-34)*a(n+2)+(3*n+9)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 14}]$ , ogf  
A082034 13.3809  $[ (3*x+1)/(x-1)^2]$  egf  
A082034 26.8254  $-(3*x+5)/(3*x+1)/(x-1)$  lgdegf  
A082034 3.50083  $[{(-9*n^2-36*n-36)*a(n+1)+(-4*n^2-19*n-42)*a(n+2)+(4*n+12)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 18}]$ , ogf  
A082035 16.3206  $-(7+14*x+3*x^2)/(x-1)/(3*x+1)/(x+1)$  lgdegf  
A082035 9.55736  $[ -(x+1)*(3*x+1)/(x-1)^3]$  egf  
A082036 8.39140  $[ -(7*x^2+10*x+1)/(x-1)^3]$  egf  
A082040 12.8002  $[ -(7*x^2+10*x+1)/(x-1)^3]$  ogf  
A082040 21.0424  $-(13+34*x+7*x^2)/(x-1)/(7*x^2+10*x+1)$  lgdogf  
A082040 6.96152  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 13, a(2) = 43}]$ , ogf  
A082041 12.0620  $[ -(13*x^2+18*x+1)/(x-1)^3]$  ogf  
A082041 19.1065  $-(21+62*x+13*x^2)/(x-1)/(13*x^2+18*x+1)$  lgdogf  
A082041 6.66587  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 21, a(2) = 73}]$ , ogf  
A082042 17.8629  $-2*(x^2+x+1)/(x-1)/(2*x^2-x+1)$  lgdegf  
A082042 8.97813  $[ -(2*x^2-x+1)/(x-1)^3]$  egf  
A082044 11.3754  $-2*(2+13*x+13*x^3+2*x^4+30*x^2)/(x-1)/(4*x^4+5*x^3+15*x^2-x+1)$  lgdogf  
A082044 7.49351  $[ -(4*x^4+5*x^3+15*x^2-x+1)/(x-1)^5]$  ogf  
A082045 12.5707  $-2*(1-x-x^3+4*x^4+9*x^2)/(x-1)/(4*x^4-6*x^3+9*x^2-4*x+1)$  lgdogf  
A082045 6.90559  $[ (4*x^4-6*x^3+9*x^2-4*x+1)/(x-1)^6]$  ogf  
A082047 12.3502  $-2*(1-2*x^3+5*x^4+8*x^2)/(x-1)/(5*x^4-8*x^3+10*x^2-4*x+1)$  lgdogf  
A082047 6.83982  $[ (5*x^4-8*x^3+10*x^2-4*x+1)/(x-1)^6]$  ogf  
A082106 13.3070  $-6*(x^2+3*x+1)*(x+1)^2/(x-1)/(6*x^4+3*x^3+13*x^2+x+1)$  lgdogf  
A082106 7.49351  $[ -(6*x^4+3*x^3+13*x^2+x+1)/(x-1)^5]$  ogf  
A082107 11.7327  $-2*(1+x-3*x^3+6*x^4+7*x^2)/(x-1)/(6*x^4-10*x^3+11*x^2-4*x+1)$  lgdogf  
A082107 6.77529  $[ (6*x^4-10*x^3+11*x^2-4*x+1)/(x-1)^6]$  ogf  
A082108 13.2433  $[ (x^2-8*x-1)/(x-1)^3]$  ogf  
A082108 24.0160  $-(-11-14*x+x^2)/(x-1)/(x^2-8*x-1)$  lgdogf  
A082108 7.08634  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 11, a(2) = 29}]$ , ogf  
A082109 13.0915  $[ (3*x^2-10*x-1)/(x-1)^3]$  ogf  
A082109 20.9568  $-(-13-14*x+3*x^2)/(x-1)/(3*x^2-10*x-1)$  lgdogf  
A082109 7.11993  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 13, a(2) = 33}]$ , ogf  
A082111 13.6600  $[ (3*x^2-4*x-1)/(x-1)^3]$  ogf

A082111 23.3603  $-( -7-2*x+3*x^2)/(x-1)/(3*x^2-4*x-1)$  lgdogf  
A082111 7.37398  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 7, a(2) = 15\},$   
ogf ]  
A082112 13.1532  $[ (5*x^2-12*x-1)/(x-1)^3$  ogf ]  
A082112 21.0575  $-( -15-14*x+5*x^2)/(x-1)/(5*x^2-12*x-1)$  lgdogf  
A082112 7.15351  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 15, a(2) =$   
37}, ogf ]  
A082113 11.3754  $-(7+32*x+32*x^3+7*x^4+42*x^2)/(x-1)/(7*x^4+2*x^3+12*x^2+2*x+1)$   
lgdogf  
A082113 7.49351  $[ -(7*x^4+2*x^3+12*x^2+2*x+1)/(x-1)^5$  ogf ]  
A082114 11.3542  $-2*(1+2*x-4*x^3+7*x^4+6*x^2)/(x-1)/(7*x^4-12*x^3+12*x^2-4*x+1)$   
lgdogf  
A082114 6.77529  $[ (7*x^4-12*x^3+12*x^2-4*x+1)/(x-1)^6$  ogf ]  
A082115 11.0150  $[ -x*(x^6+2*x^5+2*x^4+2*x^2+x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$   
ogf ]  
A082115 7.72455  $-(1+4*x$   
 $+6*x^5+8*x^3+10*x^4+8*x^11+2*x^13+7*x^8+8*x^7+12*x^9+6*x^12)/(x-1)/(x+1)/$   
 $(x^2+1)/(x^6+2*x^5+2*x^4+2*x^2+x+1)/(x^4+1)$  lgdogf  
A082116 4.68456  $[ -x*(x^11+4*x^10+x^9-2*x^8-x^7+3*x^6-x^4+2*x^3+x^2+x+1)/(x-1)/$   
 $(x^4+x^3+x^2+x+1)/(x^8-x^6+x^4-x^2+1)$  ogf ]  
A082133 11.4179  $-2*(-2+9*x-18*x^2+15*x^3)/(x-1)/(3*x-1)/(1-4*x+5*x^2)$  lgdogf  
A082133 3.47348  $[ \{ (3*n^2+15*n+18)*a(n+1)+(-4*n^2-16*n-12)*a(n+2)+(n^2+3*n+2)*a(n$   
+3), a(0) = 0, a(1) = 1, a(2) = 4}, ogf ]  
A082133 8.19741  $[ x*(5*x^2-4*x+1)/(3*x-1)^2/(x-1)^2$  ogf ]  
A082134 10.2174  $-2*(-3+24*x-72*x^2+80*x^3)/(-1+4*x)/(2*x-1)/(1-6*x+10*x^2)$   
lgdogf  
A082134 3.40121  $[ \{ (8*n^2+40*n+48)*a(n+1)+(-6*n^2-24*n-18)*a(n+2)+(n^2+3*n+2)*a(n$   
+3), a(0) = 0, a(1) = 1, a(2) = 6}, ogf ]  
A082134 7.71813  $[ x*(10*x^2-6*x+1)/(4*x-1)^2/(2*x-1)^2$  ogf ]  
A082135 10.1638  $-2*(-4+45*x-180*x^2+255*x^3)/(3*x-1)/(5*x-1)/(1-8*x+17*x^2)$   
lgdogf  
A082135 4.11443  $[ \{a(n+4)-16*a(n+3)+94*a(n+2)-240*a(n+1)+225*a(n), a(0) = 0, a(1)$   
= 1, a(2) = 8, a(3) = 51}, ogf ]  
A082135 7.61169  $[ x*(17*x^2-8*x+1)/(5*x-1)^2/(3*x-1)^2$  ogf ]  
A082136 3.95787  $[ \{a(n+4)-20*a(n+3)+148*a(n+2)-480*a(n+1)+576*a(n), a(0) = 0,$   
a(1) = 1, a(2) = 10, a(3) = 78}, ogf ]  
A082136 7.24001  $[ x*(26*x^2-10*x+1)/(6*x-1)^2/(4*x-1)^2$  ogf ]  
A082136 9.58275  $-2*(-5+72*x-360*x^2+624*x^3)/(6*x-1)/(-1+4*x)/(1-10*x+26*x^2)$   
lgdogf  
A082138 17.6935  $-4/(2*x-1)/(8*x^4-16*x^3+12*x^2-4*x+1)$  lgdogf  
A082138 7.14099  $[ \{(-2*n-8)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 4\},$  ogf ]  
A082138 7.61706  $[ (8*x^4-16*x^3+12*x^2-4*x+1)/(2*x-1)^4$  ogf ]  
A082139 11.3586  $-6/(-1+2*x)/(2*x^2-2*x+1)/(16*x^4-32*x^3+20*x^2-4*x+1)$  lgdogf  
A082139 4.74300  $[ (2*x^2-2*x+1)*(16*x^4-32*x^3+20*x^2-4*x+1)/(2*x-1)^6$  ogf ]  
A082139 6.45439  $[ \{(-2*n-12)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 6\},$  ogf ]  
A082140 3.90419  $[ (x-1)*(64*x^6-160*x^5+176*x^4-104*x^3+36*x^2-6*x+1)/(2*x-1)^7$   
ogf ]  
A082140 6.23866  $[ \{(-2*n-14)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 7\},$  ogf ]  
A082140 9.55819  $7/(-1+x)/(2*x-1)/(64*x^6-160*x^5+176*x^4-104*x^3+36*x^2-6*x+1)$   
lgdogf  
A082141 3.46463  $[ (128*x^8-512*x^7+896*x^6-896*x^5+560*x^4-224*x^3+56*x^2-8*x$   
+1)/(2\*x-1)^8 ogf ]  
A082141 6.46493  $[ \{(-2*n-16)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 8\},$  ogf ]  
A082141 8.41858  $-8/(2*x-1)/$   
 $(128*x^8-512*x^7+896*x^6-896*x^5+560*x^4-224*x^3+56*x^2-8*x+1)$  lgdogf  
A082143 3.71084  $[ \{(-48*n^2-72*n)*a(n)+(14*n^2+48*n+40)*a(n+1)+(-n^2-5*n-6)*a(n$   
+2), a(0) = 1, a(1) = 3}, ogf ]  
A082146 16.8852  $[-x^9+x^5+x^4+x^2+x$  ogf\_with\_Euler\_transform ]  
A082146 6.60528  $[ (x^4-x^3+x^2-x+1)/(x^2+1)/(x^2-x+1)/(x^2+x+1)^2/(x+1)^2/$   
 $(x-1)^4$  ogf ]  
A082146 7.08673 -

$x^*(2+10*x^{10}-10*x^9+22*x^8-19*x^7+27*x^6-9*x^5+16*x^4+x^3+7*x^2+x)/(x-1)/(x+1)/$   
 $(x^2+x+1)/(x^2-x+1)/(x^4-x^3+x^2-x+1)/(x^2+1)$  lgdogf  
A082147 31.2438  $x^*(-1+8*x)/(7*x-1)$  revogf  
A082147 9.69635  $-1/2*(7*x-1+(1-18*x+49*x^2)^{1/2})/(1-18*x+49*x^2)^{1/2}/x$   
lgdogf  
A082148 26.3024  $x^*(-1+10*x)/(-1+9*x)$  revogf  
A082148 3.10417 [  $\{(729*n^2+729*n)*a(n)+(-279*n^2-819*n-540)*a(n+1)+(31*n^2+157*n$   
 $+192)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 11\}$ , ogf]  
A082148 9.06978  $-1/2*(9*x-1+(1-22*x+81*x^2)^{1/2})/(1-22*x+81*x^2)^{1/2}/x$   
lgdogf  
A082149 3.48862 [  $\{(-3*n^2-15*n-18)*a(n+1)+(4*n^2+12*n)*a(n+2)+(-n^2-n)*a(n+3),$   
 $a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6\}$ , ogf]  
A082149 5.57556 [  $-x^2*(2*x-1)*(7*x^2-4*x+1)/(3*x-1)^3/(x-1)^3$  ogf]  
A082149 9.08860  $-6*(1-6*x+18*x^2-30*x^3+21*x^4)/(x-1)/(3*x-1)/(-1+2*x)/$   
 $(7*x^2-4*x+1)$  lgdogf  
A082150 3.36321 [  $\{(8*n^2+40*n+48)*a(n+1)+(-6*n^2-18*n)*a(n+2)+(n^2+n)*a(n+3),$   
 $a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 9\}$ , ogf]  
A082150 5.18978 [  $-x^2*(3*x-1)*(12*x^2-6*x+1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A082150 7.83873  $-3*(3-32*x+144*x^2-320*x^3+288*x^4)/(-1+3*x)/(2*x-1)/(-1+4*x)/$   
 $(12*x^2-6*x+1)$  lgdogf  
A082151 4.07352 [  $\{(15*n^2+75*n+90)*a(n+1)+(-8*n^2-24*n)*a(n+2)+(n^2+n)*a(n+3),$   
 $a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 12\}$ , ogf]  
A082151 6.19587 [  $-x^2*(4*x-1)*(19*x^2-8*x+1)/(5*x-1)^3/(3*x-1)^3$  ogf]  
A082151 7.99549  $-12*(1-15*x+90*x^2-255*x^3+285*x^4)/(-1+4*x)/(3*x-1)/(5*x-1)/$   
 $(19*x^2-8*x+1)$  lgdogf  
A082173 25.7381  $x^*(-1+11*x)/(-1+10*x)$  revogf  
A082173 8.86064  $-1/2*(10*x-1+(1-24*x+100*x^2)^{1/2})/x/(1-24*x+100*x^2)^{1/2}$   
lgdogf  
A082176 5.01303 [  $-103138*x^2*(3633*x-2)/(1492*x-1)/(1770*x-1)/(1863*x-1)/$   
 $(2141*x-1)$  ogf]  
A082177 5.57700 [  $-53*x^2*(3633*x-2)/(1492*x-1)/(1770*x-1)/(1863*x-1)/(2141*x-1)$   
ogf]  
A082178 5.32532 [  $-x^2*(3633*x-2)/(1492*x-1)/(1770*x-1)/(1863*x-1)/(2141*x-1)$   
ogf]  
A082181 26.9261  $x^*(-1+9*x)/(-1+8*x)$  revogf  
A082204 10.3260 [  $\{-a(n+4)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 3\}$ , ogf]  
A082204 15.6883  $-(2+4*x+2*x^4+4*x^3+9*x^2)/(x-1)/(x^2+x+1)/(2*x^3+2*x^2+2*x+1)$   
lgdogf  
A082204 17.3911 [  $-(2*x^3+2*x^2+2*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A082205 6.36960 [  $-(2000*x^6-300*x^4-2222*x^3-232*x^2-22*x-1)/(x-1)/(10*x-1)/$   
 $(x^2+x+1)/(100*x^2+10*x+1)$  ogf]  
A082206 11.0414 [  $-(2*x^4-2*x^3-3*x^2-3*x-1)/(x^2+x+1)/(x-1)^2$  ogf]  
A082206 12.0823  $2*(2+5*x+8*x^2+3*x^3+3*x^4)/(x-1)/(x^2+x+1)/$   
 $(2*x^4-2*x^3-3*x^2-3*x-1)$  lgdogf  
A082209 12.1518 [  $-(504*x^5+61*x^4+9*x^3+4*x^2+6*x+1)/(x-1)/(x+1)/(x^2+x+1)/$   
 $(x^2-x+1)$  ogf]  
A082210 10.7636 [  $-(70*x^6+248*x^5+31*x^4+7*x^3+8*x^2+4*x+1)/(x-1)/(x+1)/(x^2+x$   
 $+1)/(x^2-x+1)$  ogf]  
A082242 3.87353 [  $-4*(1264313*x^2-2273550*x-864)/(x-1)^2$  ogf]  
A082253 2.99032 [  $-(121280400*x^3-222157188*x^2-130844*x-2469)/(x-1)^2$  ogf]  
A082274 5.71438 [  $(70*x^8-8*x^7-9*x^6-9*x^5-9*x^4-9*x^3-9*x^2-9*x+1)/(x-1)/$   
 $(10*x-1)$  ogf]  
A082285 18.0389 [  $(3*x+13)/(x-1)^2$  ogf]  
A082285 21.4187  $-1/2*(-13-2*x+(169+64*x)^{1/2})/(-3+x)$  revogf  
A082285 33.9129  $-(29+3*x)/(3*x+13)/(x-1)$  lgdogf  
A082285 9.87846 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 13, a(1) = 29\}$ , ogf]  
A082286 18.1252 [  $2*(4*x+5)/(x-1)^2$  ogf]  
A082286 28.2027  $-(-5-x+(25+18*x)^{1/2})/(x-8)$  revogf  
A082286 34.0783  $-2*(7+2*x)/(4*x+5)/(x-1)$  lgdogf  
A082286 9.92573 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 10, a(1) = 28\}$ , ogf]  
A082289 10.7019 [  $-(x+2)/(x+1)/(x-1)^5$  ogf]

A082289 21.9358  $-(9+16*x+5*x^2)/(x-1)/(x+2)/(x+1)$  lgdogf  
A082289 3.71071  $[ \{ (-2*n-8)*a(n+4)+(6-n)*a(n+3)+(20+2*n)*a(n+2)+(6+n)*a(n+1),$   
 $a(0) = 2, a(1) = 9, a(2) = 26, a(3) = 59 \},$  ogf]  
A082290 12.2516  $-(2+10*x+19*x^2+11*x^3+9*x^4+9*x^5+9*x^2)/(x-1)/(x+1)/(1+x^2)/(x^2+x$   
 $+1)$  lgdogf  
A082290 24.4549  $[x^3-x^2+3*x+2$  ogf\_with\_Euler\_transform]  
A082290 6.39112  $[ -(x^2+x+1)/(x^2+1)/(x+1)^4/(x-1)^5$  ogf]  
A082291 4.94947  $[ \{-a(n+3)+7*a(n+2)-7*a(n+1)+a(n), a(0) = 2, a(1) = 19, a(2) =$   
 $118 \},$  ogf]  
A082291 9.33097  $[ (x^2-5*x-2)/(x-1)/(x^2-6*x+1)$  ogf]  
A082291 9.44417  $-(-19+30*x+22*x^2-10*x^3+x^4)/(x-1)/(x^2-6*x+1)/(x^2-5*x-2)$   
lgdogf  
A082296 13.2556  $[ 2*(x^2+4*x+6)/(x+1)/(x-1)^2$  ogf]  
A082296 18.3175  $-(10+24*x+9*x^2+x^3)/(x-1)/(x+1)/(x^2+4*x+6)$  lgdogf  
A082296 7.14652  $[ \{ a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 12, a(1) = 20, a(2) = 34 \},$   
ogf]  
A082298 38.8176  $-x*(x-1)/(1+3*x)$  revogf  
A082298 9.41033  $-1/2*(3*x+1+(x-1)^(1/2)*(9*x-1)^(1/2))/(x-1)^(1/2)/$   
 $(9*x-1)^(1/2)/x$  lgdogf  
A082301 10.0027  $-1/2*(-4*x-1+(1-12*x+16*x^2)^(1/2))/x/(1-12*x+16*x^2)^(1/2)$   
lgdogf  
A082301 36.8849  $-x*(x-1)/(1+4*x)$  revogf  
A082302 34.9652  $-x*(x-1)/(1+5*x)$  revogf  
A082302 9.48209  $-1/2*(-5*x-1+(1-14*x+25*x^2)^(1/2))/(1-14*x+25*x^2)^(1/2)/x$   
lgdogf  
A082303 15.0168  $[ -(x^2+x+1)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A082304 17.4019  $[ -(2*x^2+2*x+2)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A082305 31.9747  $-x*(x-1)/(1+6*x)$  revogf  
A082305 8.67111  $-1/2*(-6*x-1+(1-16*x+36*x^2)^(1/2))/x/(1-16*x+36*x^2)^(1/2)$   
lgdogf  
A082306 7.94534  $[ -(x^3-7*x^2+5*x-1)/(3*x-1)^2/(x-1)^2$  ogf]  
A082306 9.91623  $-(3-18*x+42*x^2-38*x^3+3*x^4)/(x-1)/(-1+3*x)/(x^3-7*x^2+5*x-1)$   
lgdogf  
A082307 7.40429  $[ -(14*x^3-20*x^2+8*x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A082307 8.24677  $-2*(2-20*x+75*x^2-118*x^3+56*x^4)/(-1+2*x)/(-1+4*x)/$   
 $(14*x^3-20*x^2+8*x-1)$  lgdogf  
A082308 3.73004  $[ \{-a(n+4)+16*a(n+3)-94*a(n+2)+240*a(n+1)-225*a(n), a(0) = 1,$   
 $a(1) = 5, a(2) = 25, a(3) = 127 \},$  ogf]  
A082308 6.54926  $[ -(43*x^3-39*x^2+11*x-1)/(5*x-1)^2/(3*x-1)^2$  ogf]  
A082308 7.54874  $-(5-70*x-826*x^3+645*x^4+366*x^2)/(-1+3*x)/(5*x-1)/$   
 $(43*x^3-39*x^2+11*x-1)$  lgdogf  
A082309 4.02598  $[ \{-a(n+4)+20*a(n+3)-148*a(n+2)+480*a(n+1)-576*a(n), a(0) = 1,$   
 $a(1) = 6, a(2) = 36, a(3) = 218 \},$  ogf]  
A082309 7.03390  $[ -(94*x^3-64*x^2+14*x-1)/(6*x-1)^2/(4*x-1)^2$  ogf]  
A082309 7.78923  $-2*(3-54*x+1128*x^4-1066*x^3+363*x^2)/(6*x-1)/(-1+4*x)/$   
 $(94*x^3-64*x^2+14*x-1)$  lgdogf  
A082310 4.70119  $[ -x/(x+1)/(8*x-1)$  ogf]  
A082310 6.93704  $-(7+16*x)/(x+1)/(-1+8*x)$  lgdogf  
A082311 13.4475  $[ (2*x-1)/(x+1)/(8*x-1)$  ogf]  
A082311 14.1227  $1/4*(-7*x-1+(1+6*x+81*x^2)^(1/2))/(-1+4*x)$  revogf  
A082311 15.6093  $-(4*x+1)*(4*x-5)/(8*x-1)/(2*x-1)/(x+1)$  lgdogf  
A082311 7.37972  $[ \{-a(n+2)+7*a(n+1)+8*a(n), a(0) = 1, a(1) = 5 \},$  ogf]  
A082365 13.5141  $1/8*(-7*x-1+((1+3*x)*(27*x+1))^(1/2))/(2*x+1)$  revogf  
A082365 13.7804  $[ -(4*x+1)/(x+1)/(8*x-1)$  ogf]  
A082365 15.2033  $-(11+16*x+32*x^2)/(4*x+1)/(-1+8*x)/(x+1)$  lgdogf  
A082365 7.47128  $[ \{ a(n+2)-7*a(n+1)-8*a(n), a(0) = 1, a(1) = 11 \},$  ogf]  
A082366 33.2393  $-x*(x-1)/(7*x+1)$  revogf  
A082367 30.2799  $-x*(x-1)/(1+8*x)$  revogf  
A082368 3.98481  $[ \{ (-256*n^3-1920*n^2-4784*n-3960)*a(n+1)+(n^3+9*n^2+27*n+27)*a(n$   
 $+2), a(0) = 1, a(1) = 105 \},$  ogf]  
A082369 17.5546  $[ (17*x+13)/(x-1)^2$  ogf]

A082369 20.2375  $-1/2*(-13-2*x+(169+120*x)^{(1/2)})/(-17+x)$  revogf  
A082369 31.1346  $-(43+17*x)/(17*x+13)/(x-1)$  lgdogf  
A082369 9.82221  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 13, a(1) = 43}, ogf]$   
A082383 10.8346  $[ (x^2+x-1)/(2*x+1)/(2*x-1)/(x-1)^2 ogf]$   
A082383 12.2247  $-(1+5*x+12*x^2+8*x^3-20*x^4)/(x-1)/(2*x+1)/(2*x-1)/(x^2+x-1)$   
lgdogf  
A082383 3.81422  $[{(-4*n-8)*a(n+1)+(4*n+4)*a(n+2)+(n+2)*a(n+3)+(-n-1)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 3}, ogf]$   
A082384 7.31744  $[ -(4*x^4-12*x^3+14*x^2-3*x-1)/(2*x+1)/(2*x-1)/(x-1)^3 ogf]$   
A082384 7.48178  $-2*(3-7*x+8*x^2-32*x^3+62*x^4-32*x^5+7*x^6)/(x-1)/(2*x+1)/(2*x-1)/(4*x^4-12*x^3+14*x^2-3*x-1)$  lgdogf  
A082395 3.48752  $[{(3*n+9)*a(n+1)+(-n-3)*a(n+2)+(-3*n-11)*a(n+3)+(n+5)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 3}, ogf]$   
A082398 5.75326  $[ -(x^6-7*x^5+21*x^4-28*x^3+20*x^2-7*x+1)/(x-1)/(x^2-3*x+1)^2 ogf]$   
A082398 5.92646  $x*(-6+136*x^3-96*x^2+x^7-11*x^6+45*x^5-104*x^4+36*x)/(x-1)/(x^2-3*x+1)/(x^6-7*x^5+21*x^4-28*x^3+20*x^2-7*x+1)$  lgdogf  
A082405 11.0904  $-(-3-17*x+(16*x+3)^{(1/2)}*(1+6*x)^{(1/2)}*3^{(1/2)})/x$  revogf  
A082405 14.5196  $[ 6*x/(x^2-34*x+1) ogf]$   
A082405 23.6273  $-2*(-17+x)/(x^2+1-34*x)$  lgdogf  
A082405 6.72860  $[{a(n+2)-34*a(n+1)+a(n), a(0) = 0, a(1) = 6}, ogf]$   
A082411 10.4448  $[ (331045545867*x-407389224418)/(x^2+x-1) ogf]$   
A082411 6.79420  $[{-a(n+2)+a(n+1)+a(n), a(0) = 407389224418, a(1) = 76343678551}, ogf]$   
A082411 7.91345  $-(-76343678551-814778448836*x+331045545867*x^2)/(331045545867*x-407389224418)/(x^2+x-1)$  lgdogf  
A082412 14.3157  $[ -(4*x-1)/(8*x-1)/(2*x-1) ogf]$   
A082412 15.3642  $-1/8*(-1-10*x+(1+4*x+36*x^2)^{(1/2)})/(1+4*x)$  revogf  
A082412 15.3642  $-2*(3-16*x+32*x^2)/(8*x-1)/(2*x-1)/(-1+4*x)$  lgdogf  
A082412 8.00999  $[{a(n+2)-10*a(n+1)+16*a(n), a(0) = 1, a(1) = 6}, ogf]$   
A082413 13.5764  $[ -(5*x-1)/(9*x-1)/(3*x-1) ogf]$   
A082413 14.2297  $-1/2*(-1-12*x+(1+4*x+36*x^2)^{(1/2)})/(5+27*x)$  revogf  
A082413 14.9073  $-(7-54*x+135*x^2)/(-1+3*x)/(9*x-1)/(5*x-1)$  lgdogf  
A082413 7.59631  $[{a(n+2)-12*a(n+1)+27*a(n), a(0) = 1, a(1) = 7}, ogf]$   
A082414 13.6401  $[ -(6*x-1)/(10*x-1)/(4*x-1) ogf]$   
A082414 14.2978  $-1/4*(-1-14*x+(1+4*x+36*x^2)^{(1/2)})/(3+20*x)$  revogf  
A082414 14.2978  $-8*(1-10*x+30*x^2)/(6*x-1)/(-1+4*x)/(10*x-1)$  lgdogf  
A082414 7.63198  $[{a(n+2)-14*a(n+1)+40*a(n), a(0) = 1, a(1) = 8}, ogf]$   
A082450 13.4669  $[ -5*(2*x^2-2*x+1)/(x-1)^3 ogf]$   
A082450 27.7616  $-(1+2*x^2)/(x-1)/(2*x^2-2*x+1)$  lgdogf  
A082450 7.50812  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 5, a(2) = 10}, ogf]$   
A082491 3.03416  $[{(-n^3-7*n^2-16*n-12)*a(n+1)+(-n^2-5*n-6)*a(n+2)+a(n+3), a(0) = 1, a(1) = 0, a(2) = 2}, ogf]$   
A082505 17.3287  $[ -x*(4*x+1)/(2*x-1) ogf]$   
A082505 20.0023  $-1/4*x-1/8+1/8*(1+20*x+4*x^2)^{(1/2)}$  revogf  
A082505 38.8933  $-6/(4*x+1)/(2*x-1)$  lgdogf  
A082505 8.55996  $[{-a(n+3)+2*a(n+2), a(0) = 0, a(1) = 1, a(2) = 6}, ogf]$   
A082507 5.83138  $[ (x^4-2*x+2)/(x+1)/(x^2+1)/(x-1)^2 ogf]$   
A082507 6.06775  $-x^3*(x^3+x^2+x^4-7*x+12)/(-1+x)/(x+1)/(1+x^2)/(x^4-2*x+2)$  lgdogf  
A082530 6.69824  $[ - (9*x^12+18*x^11+34*x^10+66*x^9+13*x^8+24*x^7+46*x^6+9*x^5+16*x^4+3*x^3+4*x^2+6*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) ogf]$   
A082541 18.2278  $[ -(4*x+1)/(3*x-1) ogf]$   
A082541 18.8970  $-1/8-3/8*x+1/8*(1+22*x+9*x^2)^{(1/2)}$  revogf  
A082541 34.8102  $-7/(4*x+1)/(-1+3*x)$  lgdogf  
A082541 9.36704  $[{a(n+2)-3*a(n+1), a(0) = 1, a(1) = 7}, ogf]$   
A082545 3.24072  $[{(4*n^4+38*n^3+128*n^2+184*n+96)*a(n+1)+(-n^3-4*n^2+4*n+19)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 21}, ogf]$   
A082545 8.11905  $-3+12*x+4*x^2+(1-8*x$

$+16x^3+12x^2$  \*f(x)+ $(-8x^3+16x^4+x^2)$  \*f(x)^2 lgdegf  
A082556 28.2203 [30/(-x+1) ogf\_with\_Euler\_transform]  
A082557 28.6887 [32/(-x+1) ogf\_with\_Euler\_transform]  
A082558 24.3458 [48/(-x+1) ogf\_with\_Euler\_transform]  
A082559 26.2357 [64/(-x+1) ogf\_with\_Euler\_transform]  
A082562 14.7980  $2*(1+2x^2+x^5-3x^4+2x^3)/(x-1)/(x^5-x^4-x^3-x^2+x-1)$  lgdogf  
A082562 9.76019 [  $(x^5-x^4-x^3-x^2+x-1)/(x-1)^3$  ogf]  
A082564 13.1724 [  $-(2x^3+2x^2+3x+2)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A082569 10.7394 [  $1/3*(x^3-3x+6)/(x-1)^2$  egf]  
A082569 17.9744  $(x-3)*(x^2+3)/(x-1)/(x^3-3x+6)$  lgdegf  
A082574 17.0057 [  $1/(x-1)/(x^2+3x-1)$  ogf]  
A082574 19.6151  $-(x+2)*(3x-2)/(x-1)/(x^2+3x-1)$  lgdogf  
A082574 6.17020 [  $\{-a(n+3)+4a(n+2)-2a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 14\}$ , ogf]  
A082579 4.07627 [  $\{(n^3+3n^2+2n)*a(n)+(-3n^2-8n-4)*a(n+1)+(3n+7)*a(n+2)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 5\}$ , ogf]  
A082579 51.5394  $-(x+1)/(x-1)^3$  lgdegf  
A082582 20.6120  $-1/2*(-1+(1-4x^2+4x^3)^{(1/2)})/x$  revogf  
A082585 13.8117 [  $1/(x-1)/(x^2+5x-1)$  ogf]  
A082585 16.7910  $-(-6+8x+3x^2)/(x-1)/(x^2+5x-1)$  lgdogf  
A082585 5.01134 [  $\{-a(n+3)+6a(n+2)-4a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 32\}$ , ogf]  
A082587 12.9999  $-(1+8x+2x^6+2x^5+x^4+12x^3+7x^2)/(2x^3+x^2+x+3)/(x^4+x^2-1)$  lgdogf  
A082587 13.2407 [  $-(2x^3+x^2+x+3)/(x^4+x^2-1)$  ogf]  
A082590 26.0648  $-4*(3x-1)/(-1+4x)/(-1+2x)$  lgdogf  
A082590 4.85521 [  $\{(-n-3)*a(n+3)+(16+6n)*a(n+2)+(-20-8n)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 14\}$ , ogf]  
A082605 8.00705  $(-3-4x+8x^6+20x^3-22x^4-16x^5+8x^2)/(x-1)/(2x+1)/(2x-1)/(2x^4-2x^3+6x^2-x-2)$  lgdogf  
A082605 9.22697 [  $-(2x^4-2x^3+6x^2-x-2)/(2x-1)/(2x+1)/(x-1)$  ogf]  
A082630 10.4423 [  $(x+1)^2/(x^4-4x^2+1)$  ogf]  
A082630 14.1855  $-2*(-1-4x+x^4+2x^3)/(x+1)/(x^4-4x^2+1)$  lgdogf  
A082639 10.0950 [  $-2x*(x+1)/(x-1)/(x^2-6x+1)$  ogf]  
A082639 12.8700  $-2*(4-7x-2x^2+x^3)/(x-1)/(x+1)/(x^2-6x+1)$  lgdogf  
A082639 5.13762 [  $\{a(n+3)-7a(n+2)+7a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 16\}$ , ogf]  
A082642 8.31776 [  $-(x^6-x^5+2x^3-x+1)/(x^4+x^3+x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A082642 8.68116  $-2x*(1+5x^7+2x^5+4x^4+4x^3+4x^2+x^{10}+6x^6+3x)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^6-x^5+2x^3-x+1)$  lgdogf  
A082643 10.9551  $-(3+6x+2x^6+6x^5+9x^4+14x^3+2x^7+6x^2)/(x-1)/(x+1)/(1+x^2)/(x^4+x^2+x+1)$  lgdogf  
A082643 9.85984 [  $-x*(x^4+x^2+x+1)/(x+1)/(x^2+1)/(x-1)^3$  ogf]  
A082644 10.2291 [  $-x^2*(2x^2+x+1)/(x+1)/(x^2+1)/(x-1)^3$  ogf]  
A082644 13.2527  $-(3+8x+8x^5+9x^4+12x^3+8x^2)/(x-1)/(x+1)/(x^2+1)/(2x^2+x+1)$  lgdogf  
A082645 8.72824 [  $(x^5-2x^4-x^3-2x^2-x+1)/(x+1)/(x^2+1)/(x-1)^3$  ogf]  
A082645 9.00516  $-(1-4x+x^8-5x^6-12x^5-10x^4-10x^3-2x^7-7x^2)/(x-1)/(x+1)/(1+x^2)/(x^5-2x^4-x^3-2x^2-x+1)$  lgdogf  
A082651 11.3636 [  $(x+1)*(x^2+6x+1)/(x^2+4x-1)/(x^2-4x-1)$  ogf]  
A082667 12.9427  $-2*(1+2x+4x^3+3x^4+2x^5+6x^2)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A082667 28.8590 [  $-x^3+2x^2+2$  ogf\_with\_Euler\_transform]  
A082667 9.44394 [  $-x*(x+1)*(x^2+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A082679 7.28272  $-(2-8x+x^6-4x^5-12x^3+9x^4+14x^2)/(x-1)/(x^3-2x^2+3x-1)/(x^3-2x^2+4x-1)$  lgdogf  
A082679 7.31202 [  $-x*(x^3-2x^2+3x-1)/(x-1)/(x^3-2x^2+4x-1)$  ogf]  
A082685 13.1033 [  $-(3x-1)/(5x-1)/(2x-1)$  ogf]  
A082685 13.7300  $-2*(2-10x+15x^2)/(-1+3x)/(2x-1)/(5x-1)$  lgdogf  
A082685 14.0569  $-1/2*(-1-7x+(1+2x+9x^2)^{(1/2)})/(3+10x)$  revogf  
A082685 7.26208 [  $\{a(n+2)-7a(n+1)+10a(n), a(0) = 1, a(1) = 4\}$ , ogf]

A082724 11.6845 [  $-(5*x-1)/(11*x-1)/(3*x-1)$  ogf]  
A082724 12.2184  $-1/2*(-1-14*x+(1+8*x+64*x^2)^{(1/2)})/(5+33*x)$  revogf  
A082724 12.5025  $-3*(3-22*x+55*x^2)/(3*x-1)/(5*x-1)/(11*x-1)$  lgdogf  
A082724 6.53774 [  $\{a(n+2)-14*a(n+1)+33*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A082742 14.4755 [  $-2*(x^4-x^3-x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A082753 4.35929 [  $-x/(x-1)/(2*x-1)^2$  ogf]  
A082753 7.10863  $-(-5+6*x)/(2*x-1)/(-1+x)$  lgdogf  
A082761 13.7380 [  $-(2*x-1)/(4*x^2-6*x+1)$  ogf]  
A082761 14.4249  $-1/4*(-1-6*x+(1+4*x+20*x^2)^{(1/2)})/(2*x+1)$  revogf  
A082761 15.9433  $-4*(1-2*x+2*x^2)/(2*x-1)/(4*x^2-6*x+1)$  lgdogf  
A082761 7.53912 [  $\{a(n+2)-6*a(n+1)+4*a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A082762 15.6078 [  $(2*x+1)/(4*x^2-6*x+1)$  ogf]  
A082762 15.6775  $-1/4*(-1-6*x+(1+20*x+20*x^2)^{(1/2)})/(-1+2*x)$  revogf  
A082762 19.7088  $-8*(-1+x+x^2)/(2*x+1)/(4*x^2-6*x+1)$  lgdogf  
A082762 8.56524 [  $\{-a(n+2)+6*a(n+1)-4*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A082764 12.4178 [  $-(2*x-1)/(7*x^2-10*x+1)$  ogf]  
A082764 12.7146  $-1/2*(-1-10*x+(1+12*x+72*x^2)^{(1/2)})/(2+7*x)$  revogf  
A082764 14.3447  $-2*(4-7*x+7*x^2)/(2*x-1)/(7*x^2-10*x+1)$  lgdogf  
A082764 6.88218 [  $\{a(n+2)-10*a(n+1)+7*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A082766 11.2318  $(x+1)*(x^5+3*x^4-2*x^3+2*x^2+3*x+1)/(x^2+1)/(x^2-x-1)/(x^4+2*x^2-1)$  lgdogf  
A082766 11.8044 [  $(x^2+1)*(x^2-x-1)/(x^4+2*x^2-1)$  ogf]  
A082766 6.08958 [  $\{a(n+5)-2*a(n+3)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 4\}$ , ogf]  
A082784 18.1738 [  $-1/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A082784 20.0446  $-7*x^6/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A082784 26.6559 [[ $x^6$ ] ogf\_with\_Euler\_transform]  
A082787 5.48430 [  $\{(-27*n^3-189*n^2-438*n-336)*a(n+1)+(n+3)*a(n+2), a(0) = 2, a(1) = 60\}$ , ogf]  
A082799 10.5930 [  $3*(3*x^4+6*x^3+x^2+7*x+4)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A082799 9.62157  $-(7+2*x+6*x^6+18*x^5+4*x^4+47*x^3+42*x^2)/(-1+x)/(1+x^2+x)/(3*x^4+6*x^3+x^2+7*x+4)$  lgdogf  
A082800 6.76529  $-(5+16*x+15*x^8+5*x^6+60*x^5+28*x^7+60*x^4+52*x^3+4*x^9+3*x^2)/(-1+x)/(x+1)/(x^2+1)/(2*x^6+5*x^5+7*x^4+x^3+8*x^2+5*x+3)$  lgdogf  
A082800 8.73586 [  $4*(2*x^6+5*x^5+7*x^4+x^3+8*x^2+5*x+3)/(x^2+1)^2/(x-1)^2/(x+1)^2$  ogf]  
A082801 6.22351 [  $6*(x^{10}+3*x^9+5*x^8+6*x^7+8*x^6+x^5+9*x^4+7*x^3+5*x^2+4*x+2)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2$  ogf]  
A082802 5.56134 [  $7*(x^{12}+2*x^{11}+4*x^{10}+5*x^9+7*x^8+8*x^7+x^6+9*x^5+8*x^4+6*x^3+5*x^2+3*x+2)/(x-1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)^2$  ogf]  
A082803 4.93808 [  $8*(x^{14}+2*x^{13}+3*x^{12}+5*x^{11}+6*x^{10}+7*x^9+8*x^8+x^7+9*x^6+8*x^5+7*x^4+5*x^3+4*x^2+3*x+2)/(x-1)^2/(x+1)^2/(x^2+1)^2/(x^4+1)^2$  ogf]  
A082804 4.44466 [  $9*(x^{16}+2*x^{15}+3*x^{14}+4*x^{13}+5*x^{12}+6*x^{11}+7*x^{10}+8*x^9+x^8+9*x^7+8*x^6+7*x^5+6*x^4+5*x^3+4*x^2+3*x+2)/(x-1)^2/(x^2+x+1)^2/(x^6+x^3+1)^2$  ogf]  
A082840 11.7505  $-(-1-6*x+2*x^4-12*x^3+23*x^2)/(x-1)/(x^2-4*x+1)/(2*x^2-6*x+1)$  lgdogf  
A082840 11.9108 [  $(2*x^2-6*x+1)/(x-1)/(x^2-4*x+1)$  ogf]  
A082840 6.48711 [  $\{-a(n+3)+5*a(n+2)-5*a(n+1)+a(n), a(0) = -1, a(1) = 1, a(2) = 8\}$ , ogf]  
A082841 14.4778 [  $-3*(x-1)/(x^2-4*x+1)$  ogf]  
A082841 15.5802  $-1/2*(-4*x-3+(12*x^2+12*x+9)^{(1/2)})/(x+3)$  revogf  
A082841 21.2929  $-(3-2*x+x^2)/(x-1)/(x^2-4*x+1)$  lgdogf  
A082841 7.94512 [  $\{a(n+2)-4*a(n+1)+a(n), a(0) = 3, a(1) = 9\}$ , ogf]  
A082873 5.22983 [  $-(x^{10}-x^9+2*x^8+x^7-x^6+2*x^5-x^4+x^3+2*x^2-x+1)/(x+1)/(x^4-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^3$  ogf]  
A082874 4.69442 [  $(x^{11}-x^{10}-x^8-x^7-3*x^6-2*x^5-3*x^4-3*x^3-2*x^2-2*x-1)/(x+1)/(x^2-x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A082896 12.1409 [  $-(x^{47}+x^{21}-x^{20}+x^{18}+x^8+2)/(x-1)$  ogf]

A082896 8.64555  
 $(-2-47x^{46}+46x^{47}-40x^{20}+20x^{21}-8x^7+7x^8+20x^{19}-18x^{17}+17x^{18})/(x-1)/(x^{47}+x^{21}-x^{20}+x^{18}+x^8+2)$  lgdogf  
A082942 5.43929 [  $-(70x^6+1125x^5+4595x^4+4490x^3+1188x^2+49x+3)/(x-1)^7$  ogf ]  
A082962 6.86798  $-(x+1)*(2x^8-11x^7+39x^6-41x^5+47x^4+37x^3+15x^2+12x+2)/(x^6+12x^3-1)/(x^4-3x^3+7x^2+2x+1)$  lgdogf  
A082962 9.11328 [  $-x*(x^4-3x^3+7x^2+2x+1)/(x^6+12x^3-1)$  ogf ]  
A082964 8.90858 [  $x*(x^{19}+x^{16}+x^{13}+x^9+x^6+x^3+1)/(x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A082966 4.29540 [  $x*(x^8-x^7-4x^6-55x^5-56x^4-83x^3-28x^2-13x-1)/(x+1)^4/(x-1)^7$  ogf ]  
A082975 6.70036  $-(3+20x+125x^4+72x^3+16x^7+3x^8+x^{10}+6x^5+15x^6+39x^2)/(x^6+12x^3-1)/(x^5+x^3+10x^2+3x+1)$  lgdogf  
A082975 9.23839 [  $-(x^4-2x^3+3x^2+x+1)/(x^6+12x^3-1)$  ogf ]  
A082977 8.68165 [  $x*(2x^4+x+1)*(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A082981 7.43594  $-2*(-1-2x+x^{10}+2x^9+3x^8+4x^7+6x^6-12x^3-6x^4-3x^2)/(x+1)/(x^2+1)/(x^4+2x^2-1)/(x^4-2x^2-1)$  lgdogf  
A082981 8.60319 [  $(x+1)^2*(x^2+1)^2/(x^4+2x^2-1)/(x^4-2x^2-1)$  ogf ]  
A082986 10.1234 [  $-6*(x+1)^2/(x-1)^5$  ogf ]  
A082986 38.2623 [ [7-2\*x] ogf\_with\_Euler\_transform ]  
A082986 5.91150 [  $\{(-n-3)*a(n+3)+7*a(n+2)+(4+n)*a(n+1), a(0) = 6, a(1) = 42, a(2) = 156\}$ , ogf ]  
A082987 12.9824 [  $3x/(x-1)/(9x^2+3x-1)$  ogf ]  
A082987 15.9704  $-(9x+2)*(3x-2)/(x-1)/(9x^2+3x-1)$  lgdogf  
A082987 5.21613 [  $\{-a(n+3)+4a(n+2)+6a(n+1)-9a(n), a(0) = 0, a(1) = 3, a(2) = 12\}$ , ogf ]  
A082988 12.8906 [  $4x/(x-1)/(16x^2+4x-1)$  ogf ]  
A082988 15.7033  $-(-5-24x+48x^2)/(x-1)/(16x^2+4x-1)$  lgdogf  
A082988 5.31455 [  $\{-a(n+3)+5a(n+2)+12a(n+1)-16a(n), a(0) = 0, a(1) = 4, a(2) = 20\}$ , ogf ]  
A082999 4.90967 [  $-(x^2+1)*(x^{10}+2x^8-2x^7+x^6+x^5+x^4-2x^3+2x^2+1)/(x-1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)$  ogf ]  
A083026 8.52092 [  $x*(x+1)*(x^5+x^4+x^3+x^2+2)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A083028 8.68165 [  $x*(x+1)*(x^5+2x^4-x^3+3x^2-x+2)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A083030 12.2618 [  $x*(5x^2+3x+4)/(x^2+x+1)/(x-1)^2$  ogf ]  
A083030 13.0824  $-(7+17x+10x^4+14x^3+24x^2)/(x-1)/(x^2+x+1)/(5x^2+3x+4)$  lgdogf  
A083030 4.68835 [  $\{(12n+35)*a(n+1)+12a(n+2)+12a(n+3)+(-12n-23)*a(n+4), a(0) = 0, a(1) = 4, a(2) = 7, a(3) = 12\}$ , ogf ]  
A083031 12.1999 [  $x*(5x^2+4x+3)/(x^2+x+1)/(x-1)^2$  ogf ]  
A083031 13.0153  $-(7+17x+21x^2+17x^3+10x^4)/(x-1)/(x^2+x+1)/(5x^2+4x+3)$  lgdogf  
A083031 4.77707 [  $\{(-6n-17)*a(n+1)-6a(n+2)-6a(n+3)+(6n+11)*a(n+4), a(0) = 0, a(1) = 3, a(2) = 7, a(3) = 12\}$ , ogf ]  
A083032 11.0132 [  $x*(2x^3+3x^2+3x+4)/(x+1)/(x^2+1)/(x-1)^2$  ogf ]  
A083032 9.53959  $-(7+13x+17x^4+28x^3+11x^5+4x^6+16x^2)/(x-1)/(x+1)/(x^2+1)/(2x^3+3x^2+3x+4)$  lgdogf  
A083033 8.68165 [  $x*(x^2+1)*(2x^4+x^3+x+2)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A083034 8.68165 [  $x*(x+1)*(2x^5+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A083039 11.9343 [  $-(3x^3+4x^2+3x+1)/(x^2+x+1)/(x-1)/(x+1)$  ogf ]  
A083039 9.70441  $-(2+8x+3x^6+8x^5+16x^3+13x^4+16x^2)/(x-1)/(x+1)/(x^2+x+1)/(3x^3+4x^2+3x+1)$  lgdogf  
A083040 6.22446 [  $-(4x^5+5x^4+7x^3+5x^2+3x+1)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  ogf ]  
A083043 11.0904 [  $(x+1)/(x^2-20x+1)$  ogf ]



A083043 11.6062  $-1/2*(-1-20*x+(1+44*x+396*x^2)^{(1/2)})/(x-1)$  revogf  
A083043 15.1232  $-(-21+2*x+x^2)/(1+x)/(x^2-20*x+1)$  lgdogf  
A083043 6.07330  $[{-a(n+2)+20*a(n+1)-a(n), a(0) = 1, a(1) = 21}, ogf]$   
A083049 4.07187  $[ -(2*x^{12}+x^{11}+x^{10}+2*x^9+x^8+x^7+2*x^6+3*x^4+2*x^2+x+1)*(x+1)^2/(x^2+x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]$   
A083065 13.3945  $[ -(2*x-1)/(5*x-1)/(x-1) ogf]$   
A083065 14.0569  $-1/2*(-1-6*x+(1+4*x+16*x^2)^{(1/2)})/(2+5*x)$  revogf  
A083065 15.5365  $-2*(2-5*x+5*x^2)/(x-1)/(2*x-1)/(5*x-1)$  lgdogf  
A083065 7.35065  $[{a(n+2)-6*a(n+1)+5*a(n), a(0) = 1, a(1) = 4}, ogf]$   
A083066 13.3282  $[ -(2*x-1)/(6*x-1)/(x-1) ogf]$   
A083066 13.9903  $-1/4*(-1-7*x+(1+6*x+25*x^2)^{(1/2)})/(1+3*x)$  revogf  
A083066 15.0665  $-(5-12*x+12*x^2)/(x-1)/(6*x-1)/(-1+2*x)$  lgdogf  
A083066 7.31427  $[{a(n+2)-7*a(n+1)+6*a(n), a(0) = 1, a(1) = 5}, ogf]$   
A083067 12.7818  $[ -(2*x-1)/(7*x-1)/(x-1) ogf]$   
A083067 13.4095  $-1/2*(-1-8*x+(1+8*x+36*x^2)^{(1/2)})/(2+7*x)$  revogf  
A083067 14.4410  $-2*(3-7*x+7*x^2)/(x-1)/(-1+2*x)/(7*x-1)$  lgdogf  
A083067 7.01439  $[{a(n+2)-8*a(n+1)+7*a(n), a(0) = 1, a(1) = 6}, ogf]$   
A083068 13.5806  $[ -(2*x-1)/(8*x-1)/(x-1) ogf]$   
A083068 13.9336  $-1/4*(-1-9*x+(1+10*x+49*x^2)^{(1/2)})/(1+4*x)$  revogf  
A083068 15.7670  $-(7-16*x+16*x^2)/(x-1)/(8*x-1)/(2*x-1)$  lgdogf  
A083068 7.45279  $[{a(n+2)-9*a(n+1)+8*a(n), a(0) = 1, a(1) = 7}, ogf]$   
A083074 10.6974  $[ (2*x^3+3*x^2+2*x-1)/(x-1)^4 ogf]$   
A083074 17.3655  $-2*(-1+6*x+x^3+6*x^2)/(x-1)/(2*x^3+3*x^2+2*x-1)$  lgdogf  
A083074 4.45245  $[{(23*n^2+3*n-86)*a(n+1)+(68*n^2+632*n+668)*a(n+2)+(-91*n^2-293*n-60)*a(n+3), a(0) = -1, a(1) = -2, a(2) = 1}, ogf]$   
A083076 14.1401  $[ -(3*x-1)/(7*x-1)/(x-1) ogf]$   
A083076 14.8602  $-1/2*(-1-8*x+(1+4*x+36*x^2)^{(1/2)})/(3+7*x)$  revogf  
A083076 16.4244  $-(5-14*x+21*x^2)/(x-1)/(3*x-1)/(7*x-1)$  lgdogf  
A083076 7.75982  $[{a(n+2)-8*a(n+1)+7*a(n), a(0) = 1, a(1) = 5}, ogf]$   
A083077 11.6845  $[ -(3*x-1)/(11*x-1)/(x-1) ogf]$   
A083077 11.6871  $-1/2*(-1-12*x+(1+12*x+100*x^2)^{(1/2)})/(3+11*x)$  revogf  
A083077 13.7848  $-(9-22*x+33*x^2)/(x-1)/(3*x-1)/(11*x-1)$  lgdogf  
A083077 6.53774  $[{a(n+2)-12*a(n+1)+11*a(n), a(0) = 1, a(1) = 9}, ogf]$   
A083078 10.8401  $-1/2*(-1-14*x+(1+16*x+144*x^2)^{(1/2)})/(3+13*x)$  revogf  
A083078 10.8506  $[ -(3*x-1)/(13*x-1)/(x-1) ogf]$   
A083078 5.99974  $[{a(n+2)-14*a(n+1)+13*a(n), a(0) = 1, a(1) = 11}, ogf]$   
A083079 13.9479  $-(63+143*x+5*x^3-19*x^2)/(x-1)/(5*x^3-17*x^2+59*x+1)$  lgdogf  
A083079 3.57253  $[{(688*n^2+4465*n+6178)*a(n+1)+(-3244*n^2-22946*n-39027)*a(n+2)+(2556*n^2+12877*n+15627)*a(n+3), a(0) = 1, a(1) = 63, a(2) = 229}, ogf]$   
A083079 9.36092  $[ (5*x^3-17*x^2+59*x+1)/(x-1)^4 ogf]$   
A083085 15.6784  $[ -(3*x+1)/(5*x+1)/(x-1) ogf]$   
A083085 17.8281  $1/2/(3+5*x)*(-1+4*x+(1+4*x+36*x^2)^{(1/2)})$  revogf  
A083085 18.7423  $-(-1+10*x+15*x^2)/(x-1)/(5*x+1)/(3*x+1)$  lgdogf  
A083085 8.60399  $[{a(n+2)+4*a(n+1)-5*a(n), a(0) = 1, a(1) = -1}, ogf]$   
A083086 16.2181  $[ -(2*x+1)/(4*x+1)/(2*x-1) ogf]$   
A083086 18.5155  $1/4*(-1+2*x+(1+4*x+36*x^2)^{(1/2)})/(1+4*x)$  revogf  
A083086 9.01005  $[{-a(n+2)-2*a(n+1)+8*a(n), a(0) = 1, a(1) = 0}, ogf]$   
A083089 8.52092  $[ x*(x^4+x^3+2)*(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]$   
A083098 14.5207  $[ (x-1)/(6*x^2+2*x-1) ogf]$   
A083098 17.7933  $-(-1-12*x+6*x^2)/(x-1)/(6*x^2+2*x-1)$  lgdogf  
A083098 7.96870  $[{-a(n+2)+2*a(n+1)+6*a(n), a(0) = 1, a(1) = 1}, ogf]$   
A083099 16.7904  $[ -x/(6*x^2+2*x-1) ogf]$   
A083099 16.9885  $1/12/x*(-2*x-1+(1+4*x+28*x^2)^{(1/2)})$  revogf  
A083099 25.4828  $-2*(1+6*x)/(6*x^2-1+2*x)$  lgdogf  
A083099 7.66968  $[{-a(n+2)+2*a(n+1)+6*a(n), a(0) = 0, a(1) = 1}, ogf]$   
A083100 14.6190  $[ -(7*x+1)/(7*x^2+2*x-1) ogf]$   
A083100 15.7352  $1/14*(-2*x-1+(1+32*x+32*x^2)^{(1/2)})/(1+x)$  revogf  
A083100 16.9775  $-(9+14*x+49*x^2)/(7*x+1)/(7*x^2+2*x-1)$  lgdogf  
A083100 8.02263  $[{a(n+2)-2*a(n+1)-7*a(n), a(0) = 1, a(1) = 9}, ogf]$   
A083101 12.5615  $[ -(10*x+1)/(10*x^2+2*x-1) ogf]$

A083101 14.0982  $-4*(3+5*x+25*x^2)/(1+10*x)/(10*x^2+2*x-1)$  lgdogf  
A083101 14.0982  $1/20*(-2*x-1+(1+44*x+44*x^2)^(1/2))/(1+x)$  revogf  
A083101 7.02844  $[{a(n+2)-2*a(n+1)-10*a(n), a(0) = 1, a(1) = 12}],$  ogf]  
A083102 16.5484  $1/20/x*(-2*x-1+(1+4*x+44*x^2)^(1/2))$  revogf  
A083102 17.8907  $[ -1/(10*x^2+2*x-1)$  ogf]  
A083102 22.9132  $-2*(1+10*x)/(10*x^2-1+2*x)$  lgdogf  
A083102 7.32873  $[{-a(n+2)+2*a(n+1)+10*a(n), a(0) = 1, a(1) = 2}],$  ogf]  
A083120 8.52092  $[ x*(2*x^6+x^5+2*x^4+2*x^3+x^2+2*x+2)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A083127 11.5936  $[ -2*x^2*(x-10)/(x-1)^4$  ogf]  
A083127 36.5534  $-3*(x-13)/(x-1)/(x-10)$  lgdogf  
A083127 5.30427  $[{(-10-10*n)*a(n+3)+(39+11*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 20}],$  ogf]  
A083178 7.83067  $[ (90*x^6+10*x^4+11*x^3+3*x^2+2*x+1)/(x-1)/(x^2+x+1)/(10*x^3-1)$  ogf]  
A083196 11.1483  $-(19+218*x+19*x^4+218*x^3+486*x^2)/(x-1)/(19*x^4+71*x^3+91*x^2+9*x+2)$  lgdogf  
A083196 7.99202  $[ -(19*x^4+71*x^3+91*x^2+9*x+2)/(x-1)^5$  ogf]  
A083200 11.0944  $-(17+100*x+44*x^3+3*x^4+130*x^2)/(x-1)/(x^4+10*x^3+20*x^2+10*x+1)$  lgdogf  
A083200 4.15591  $[{(-n^2-5*n-6)*a(n+1)+(2*n^2+10*n+42)*a(n+2)+(-n^2-5*n-6)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 17}],$  ogf]  
A083200 6.09533  $[ -x*(x^4+10*x^3+20*x^2+10*x+1)/(x-1)^7$  ogf]  
A083205 8.63984  $8-12*f(x)+6*f(x)^2-f(x)^3$  lgdegf  
A083216 5.56118  $[{-a(n+2)+a(n+1)+a(n), a(0) = 20615674205555510, a(1) = 3794765361567513}],$  ogf]  
A083216 8.16121  $[ (16820908843987997*x-20615674205555510)/(x^2+x-1)$  ogf]  
A083217 13.3945  $[ (x-1)/(x+1)/(5*x-1)$  ogf]  
A083217 14.3997  $1/2/(5*x-1)*(-1-4*x+(1+4*x+36*x^2)^(1/2))$  revogf  
A083217 16.3997  $-(-3-10*x+5*x^2)/(x-1)/(5*x-1)/(x+1)$  lgdogf  
A083217 7.35065  $[{-a(n+2)+4*a(n+1)+5*a(n), a(0) = 1, a(1) = 3}],$  ogf]  
A083219 12.3610  $[ -x*(x^3-x^2-x-1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A083219 13.8969  $-2*(x^2-2*x-1)*(x^4+x^3+x^2+1)/(x-1)/(x+1)/(x^2+1)/(x^3-x^2-x-1)$  lgdogf  
A083220 12.3028  $[ -2*x*(x^3-x^2-x-1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A083220 13.8324  $-2*(x^2-2*x-1)*(x^4+x^3+x^2+1)/(x-1)/(x+1)/(x^2+1)/(x^3-x^2-x-1)$  lgdogf  
A083222 14.3513  $[ -(3*x+1)/(5*x-1)/(5*x+1)$  ogf]  
A083222 14.3997  $-(5*x+3)*(15*x+1)/(5*x+1)/(3*x+1)/(5*x-1)$  lgdogf  
A083222 14.3997  $-1/5*\operatorname{arcsinh}(3/4)+1/5*\operatorname{arcsinh}(25/4*x+3/4)$  revegff  
A083222 9.27312  $[{-a(n+2)+25*a(n), a(0) = 1, a(1) = 3}],$  ogf]  
A083223 10.1309  $-1/6*\operatorname{arcsinh}(2/5*5^(1/2))+1/6*\operatorname{arcsinh}(2/5*5^(1/2)*(1+9*x))$  revegff  
A083223 13.9903  $-4*(1+18*x+36*x^2)/(6*x-1)/(4*x+1)/(6*x+1)$  lgdogf  
A083223 14.2802  $[ -(4*x+1)/(6*x-1)/(6*x+1)$  ogf]  
A083223 9.22723  $[{-a(n+2)+36*a(n), a(0) = 1, a(1) = 4}],$  ogf]  
A083224 13.7661  $[ -(5*x+1)/(7*x-1)/(7*x+1)$  ogf]  
A083224 13.8096  $-(5+98*x+245*x^2)/(5*x+1)/(7*x+1)/(7*x-1)$  lgdogf  
A083224 14.1548  $1/2/(5+49*x)*(-1+(1+20*x+196*x^2)^(1/2))$  revogf  
A083224 8.89502  $[{-a(n+2)+49*a(n), a(0) = 1, a(1) = 5}],$  ogf]  
A083225 10.2058  $-1/8*\operatorname{arcsinh}(3/7*7^(1/2))+1/8*\operatorname{arcsinh}(1/7*7^(1/2)*(3+32*x))$  revegff  
A083225 14.0033  $-2*(3+64*x+192*x^2)/(8*x-1)/(8*x+1)/(6*x+1)$  lgdogf  
A083225 14.6220  $[ -(6*x+1)/(8*x-1)/(8*x+1)$  ogf]  
A083225 9.44808  $[{-a(n+2)+64*a(n), a(0) = 1, a(1) = 6}],$  ogf]  
A083226 13.3201  $-(-7+162*x+567*x^2)/(9*x+1)/(7*x+1)/(9*x-1)$  lgdogf  
A083226 13.6005  $[ -(7*x+1)/(9*x-1)/(9*x+1)$  ogf]  
A083226 13.9861  $1/2/(81*x+7)*(-1+(1+324*x^2+28*x)^(1/2))$  revogf  
A083226 8.78802  $[{-a(n+2)+81*a(n), a(0) = 1, a(1) = 7}],$  ogf]  
A083227 11.4972  $-8*(5*x+1)*(20*x+1)/(10*x+1)/(8*x+1)/(10*x-1)$  lgdogf  
A083227 12.0320  $-1/10*\operatorname{arcsinh}(4/3)+1/10*\operatorname{arcsinh}(50/3*x+4/3)$  revegff

A083227 12.3009 [  $-(8*x+1)/(10*x-1)/(10*x+1)$  ogf]  
A083227 8.01421 [  $\{-a(n+2)+100*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A083229 15.1994 [  $-(3*x+1)/(5*x+1)/(3*x-1)$  ogf]  
A083229 17.5955  $1/6*(-1+2*x+(8*x+1+64*x^2)^{(1/2)})/(1+5*x)$  revogf  
A083229 18.0354  $-(1+30*x+45*x^2)/(5*x+1)/(3*x-1)/(3*x+1)$  lgdogf  
A083229 8.42375 [  $\{-a(n+2)-2*a(n+1)+15*a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A083230 8.61994 [  $-(2*x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A083231 13.1033 [  $-(x+1)/(3*x+1)/(5*x-1)$  ogf]  
A083231 14.0569  $1/2/(15*x+1)*(-2*x-1+(8*x+1+64*x^2)^{(1/2)})$  revogf  
A083231 15.1382  $-3*(1+10*x+5*x^2)/(3*x+1)/(5*x-1)/(x+1)$  lgdogf  
A083231 7.26208 [  $\{-a(n+2)+2*a(n+1)+15*a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A083232 12.7818 [  $(x-1)/(x+1)/(7*x-1)$  ogf]  
A083232 13.7365  $1/2/(7*x-1)*(-1-6*x+(8*x+1+64*x^2)^{(1/2)})$  revogf  
A083232 15.6444  $-(-5-14*x+7*x^2)/(x-1)/(7*x-1)/(x+1)$  lgdogf  
A083232 7.01439 [  $\{-a(n+2)+6*a(n+1)+7*a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A083233 18.3494 [  $(2*x-1)/(8*x-1)$  ogf]  
A083233 20.8359  $1/4+2*x-1/4*(8*x+1+64*x^2)^{(1/2)}$  revogf  
A083233 39.2206  $6/(8*x-1)/(2*x-1)$  lgdogf  
A083233 9.42956 [  $\{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A083234 12.1536 [  $-(4*x-1)/(10*x-1)/(2*x-1)$  ogf]  
A083234 13.0103  $-1/8*(-1-12*x+(8*x+1+64*x^2)^{(1/2)})/(1+5*x)$  revogf  
A083234 13.0103  $-8*(1-5*x+10*x^2)/(-1+4*x)/(2*x-1)/(10*x-1)$  lgdogf  
A083234 6.80025 [  $\{a(n+2)-12*a(n+1)+20*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A083292 5.75132 [  $-x*(10*x^{19}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x^4-x^3+x^2-x+1)^2/(x-1)^3$  ogf]  
A083294 14.9520 [  $-(7*x+1)/(9*x+1)/(x-1)$  ogf]  
A083294 16.0722  $1/2/(7+9*x)*(-1+8*x+(1+12*x+100*x^2)^{(1/2)})$  revogf  
A083294 17.7207  $-(3*x+1)*(21*x-1)/(x-1)/(7*x+1)/(9*x+1)$  lgdogf  
A083294 8.20535 [  $\{a(n+2)+8*a(n+1)-9*a(n), a(0) = 1, a(1) = -1\}$ , ogf]  
A083295 13.8327 [  $-(6*x+1)/(8*x+1)/(2*x-1)$  ogf]  
A083295 15.2226  $1/4*(-1+6*x+(1+12*x+100*x^2)^{(1/2)})/(8*x+3)$  revogf  
A083295 17.6911  $-32*x*(3*x+1)/(8*x+1)/(2*x-1)/(1+6*x)$  lgdogf  
A083295 7.75982 [  $\{-a(n+2)-6*a(n+1)+16*a(n), a(0) = 1, a(1) = 0\}$ , ogf]  
A083296 14.6488 [  $-(5*x+1)/(7*x+1)/(3*x-1)$  ogf]  
A083296 15.7362  $1/2/(5+21*x)*(-1+4*x+(1+12*x+100*x^2)^{(1/2)})$  revogf  
A083296 16.8876  $-(1+42*x+105*x^2)/(5*x+1)/(7*x+1)/(3*x-1)$  lgdogf  
A083296 8.11864 [  $\{-a(n+2)-4*a(n+1)+21*a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A083297 14.9277 [  $-(4*x+1)/(6*x+1)/(4*x-1)$  ogf]  
A083297 16.3337  $-2*(1+24*x+48*x^2)/(-1+4*x)/(1+4*x)/(1+6*x)$  lgdogf  
A083297 16.3337  $1/8*(-1+2*x+(1+12*x+100*x^2)^{(1/2)})/(1+6*x)$  revogf  
A083297 8.27316 [  $\{-a(n+2)-2*a(n+1)+24*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A083298 2.52314 [  $\{-a(n+2)+25*a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A083298 3.90486 [  $-(3*x+1)/(5*x-1)/(5*x+1)$  ogf]  
A083299 13.0385 [  $-(2*x+1)/(4*x+1)/(6*x-1)$  ogf]  
A083299 13.3544  $1/4*(-2*x-1+(1+12*x+100*x^2)^{(1/2)})/(1+12*x)$  revogf  
A083299 13.9903  $-4*(1+12*x+12*x^2)/(6*x-1)/(2*x+1)/(4*x+1)$  lgdogf  
A083299 7.22614 [  $\{-a(n+2)+2*a(n+1)+24*a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A083300 12.5039 [  $-(x+1)/(3*x+1)/(7*x-1)$  ogf]  
A083300 12.7999  $1/2/(21*x+1)*(-1-4*x+(1+12*x+100*x^2)^{(1/2)})$  revogf  
A083300 14.8210  $-(5+42*x+21*x^2)/(3*x+1)/(7*x-1)/(x+1)$  lgdogf  
A083300 6.92988 [  $\{-a(n+2)+4*a(n+1)+21*a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A083301 15.7670  $1/32/x*(-1-6*x+(1+12*x+100*x^2)^{(1/2)})$  revogf  
A083301 17.9744 [  $-1/(2*x+1)/(8*x-1)$  ogf]  
A083301 22.1906  $-2*(3+16*x)/(2*x+1)/(8*x-1)$  lgdogf  
A083301 7.36300 [  $\{-a(n+2)+6*a(n+1)+16*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A083302 12.6938 [  $(x-1)/(x+1)/(9*x-1)$  ogf]  
A083302 12.7146  $1/2/(-1+9*x)*(-1-8*x+(1+12*x+100*x^2)^{(1/2)})$  revogf  
A083302 15.5401  $-(3*x+1)*(3*x-7)/(x-1)/(9*x-1)/(x+1)$  lgdogf  
A083302 6.96611 [  $\{-a(n+2)+8*a(n+1)+9*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A083313 12.1103 [  $(3*x^2-3*x+1)/(3*x-1)/(2*x-1)$  ogf]

A083313 14.2912  $(2-6*x+3*x^2)/(3*x-1)/(-1+2*x)/(3*x^2-3*x+1)$  lgdogf  
A083313 6.29261  $[{-a(n+3)+5*a(n+2)-6*a(n+1), a(0) = 1, a(1) = 2, a(2) = 7}],$  ogf]  
A083314 10.3917  $[{- (7*x^2-5*x+1)/(x-1)/(3*x-1)/(4*x-1)}$  ogf]  
A083314 5.69285  $[{-a(n+3)+8*a(n+2)-19*a(n+1)+12*a(n), a(0) = 1, a(1) = 3, a(2) = 12}],$  ogf]  
A083314 9.17094  $-3*(2*x-1)*(14*x^3-13*x^2+6*x-1)/(x-1)/(-1+3*x)/(-1+4*x)/(7*x^2-5*x+1)$  lgdogf  
A083315 5.22279  $[{a(n+3)-11*a(n+2)+38*a(n+1)-40*a(n), a(0) = 1, a(1) = 4, a(2) = 19}],$  ogf]  
A083315 8.02000  $-(4-50*x+243*x^2-560*x^3+520*x^4)/(-1+4*x)/(-1+2*x)/(5*x-1)/(13*x^2-7*x+1)$  lgdogf  
A083315 9.32068  $[{- (13*x^2-7*x+1)/(4*x-1)/(2*x-1)/(5*x-1)}$  ogf]  
A083316 5.17043  $[{a(n+3)-14*a(n+2)+63*a(n+1)-90*a(n), a(0) = 1, a(1) = 5, a(2) = 28}],$  ogf]  
A083316 7.94044  $-(5-84*x+543*x^2-1620*x^3+1890*x^4)/(6*x-1)/(3*x-1)/(5*x-1)/(21*x^2-9*x+1)$  lgdogf  
A083316 9.22723  $[{- (21*x^2-9*x+1)/(6*x-1)/(3*x-1)/(5*x-1)}$  ogf]  
A083318 14.2873  $[{- (2*x^2-1)/(2*x-1)/(x-1)}$  ogf]  
A083318 18.0583  $-(3-8*x+6*x^2)/(x-1)/(2*x-1)/(2*x^2-1)$  lgdogf  
A083318 6.86352  $[{a(n+3)-3*a(n+2)+2*a(n+1), a(0) = 1, a(1) = 3, a(2) = 5}],$  ogf]  
A083319 10.4422  $[{- (2*x^2-4*x+1)/(3*x-1)/(2*x-1)/(4*x-1)}$  ogf]  
A083319 5.72049  $[{a(n+3)-9*a(n+2)+26*a(n+1)-24*a(n), a(0) = 1, a(1) = 5, a(2) = 21}],$  ogf]  
A083320 5.27609  $[{a(n+3)-12*a(n+2)+47*a(n+1)-60*a(n), a(0) = 1, a(1) = 6, a(2) = 32}],$  ogf]  
A083320 8.10354  $-2*(3-40*x+189*x^2-360*x^3+210*x^4)/(-1+4*x)/(3*x-1)/(5*x-1)/(7*x^2-6*x+1)$  lgdogf  
A083320 9.56291  $[{- (7*x^2-6*x+1)/(4*x-1)/(3*x-1)/(5*x-1)}$  ogf]  
A083321 12.0389  $[ (7*x^2+6*x+1)/(2*x+1)/(3*x+1)/(x+1)$  ogf]  
A083321 6.66440  $[{-a(n+3)-6*a(n+2)-11*a(n+1)-6*a(n), a(0) = 1, a(1) = 0, a(2) = -4}],$  ogf]  
A083322 13.2499  $[{- (2*x^2+1)/(x^2-x+1)/(x+1)/(2*x-1)}$  ogf]  
A083322 9.22447  $-(2+4*x+8*x^5+8*x^3-2*x^4-7*x^2)/(2*x-1)/(x+1)/(x^2-x+1)/(2*x^2+1)$  lgdogf  
A083323 10.3524  $[{- (5*x^2-4*x+1)/(x-1)/(3*x-1)/(2*x-1)}$  ogf]  
A083323 5.68005  $[{-a(n+3)+6*a(n+2)-11*a(n+1)+6*a(n), a(0) = 1, a(1) = 2, a(2) = 6}],$  ogf]  
A083323 9.24725  $-2*(1-6*x+16*x^2-24*x^3+15*x^4)/(x-1)/(3*x-1)/(-1+2*x)/(5*x^2-4*x+1)$  lgdogf  
A083324 10.1797  $[{- (10*x^2-6*x+1)/(3*x-1)/(2*x-1)/(4*x-1)}$  ogf]  
A083324 5.66522  $[{a(n+3)-9*a(n+2)+26*a(n+1)-24*a(n), a(0) = 1, a(1) = 3, a(2) = 11}],$  ogf]  
A083324 8.63227  $-(3-32*x-288*x^3+240*x^4+138*x^2)/(-1+4*x)/(-1+3*x)/(2*x-1)/(10*x^2-6*x+1)$  lgdogf  
A083325 5.22279  $[{a(n+3)-12*a(n+2)+47*a(n+1)-60*a(n), a(0) = 1, a(1) = 4, a(2) = 18}],$  ogf]  
A083325 8.02000  $-4*(1-15*x+88*x^2-240*x^3+255*x^4)/(-1+4*x)/(3*x-1)/(5*x-1)/(17*x^2-8*x+1)$  lgdogf  
A083325 9.32068  $[{- (17*x^2-8*x+1)/(4*x-1)/(3*x-1)/(5*x-1)}$  ogf]  
A083326 5.10022  $[{a(n+3)-15*a(n+2)+74*a(n+1)-120*a(n), a(0) = 1, a(1) = 5, a(2) = 27}],$  ogf]  
A083326 7.69142  $-(5-96*x+710*x^2-2400*x^3+3120*x^4)/(6*x-1)/(-1+4*x)/(5*x-1)/(26*x^2-10*x+1)$  lgdogf  
A083326 8.90636  $[{- (26*x^2-10*x+1)/(6*x-1)/(4*x-1)/(5*x-1)}$  ogf]  
A083327 6.11631  $-(7+116*x-777*x^2+2636*x^3-4522*x^4+3120*x^5)/(4*x-1)/(3*x-1)/(-1+2*x)/(5*x-1)/(13*x^2-7*x+1)$  lgdogf  
A083327 7.30259  $[ x*(13*x^2-7*x+1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A083328 3.86184  $[{a(n+4)-18*a(n+3)+119*a(n+2)-342*a(n+1)+360*a(n), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 64}],$  ogf]  
A083328 5.89876  $-(9+196*x-1719*x^2+7596*x^3-16902*x^4+15120*x^5)/(6*x-1)/(4*x-1)/(3*x-1)/(5*x-1)/(21*x^2-9*x+1)$  lgdogf

A083328 7.10388 [  $x^{21}(x^2-9x+1)/(6x-1)/(4x-1)/(3x-1)/(5x-1)$  ogf]  
A083329 14.3159 [  $(x^2-x+1)/(2x-1)/(x-1)$  ogf]  
A083329 18.9211  $-(-2+2^*x+x^2)/(x-1)/(2^*x-1)/(x^2-x+1)$  lgdogf  
A083329 7.43866 [  $\{-a(n+3)+3^*a(n+2)-2^*a(n+1), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A083330 5.26217 [  $\{a(n+3)-9^*a(n+2)+26^*a(n+1)-24^*a(n), a(0) = 1, a(1) = 4, a(2) = 17\}$ , ogf]  
A083330 8.23066  $-(4-38^*x+139^*x^2-240^*x^3+168^*x^4)/(3^*x-1)/(2^*x-1)/(-1+4^*x)/(7^*x^2-5^*x+1)$  lgdogf  
A083330 9.60556 [  $-(7^*x^2-5^*x+1)/(3^*x-1)/(2^*x-1)/(4^*x-1)$  ogf]  
A083331 5.35603 [  $\{a(n+3)-12^*a(n+2)+47^*a(n+1)-60^*a(n), a(0) = 1, a(1) = 5, a(2) = 26\}$ , ogf]  
A083331 8.34157  $-(5-68^*x+780^*x^4-840^*x^3+353^*x^2)/(-1+4^*x)/(3^*x-1)/(5^*x-1)/(13^*x^2-7^*x+1)$  lgdogf  
A083331 9.55845 [  $-(13^*x^2-7^*x+1)/(4^*x-1)/(3^*x-1)/(5^*x-1)$  ogf]  
A083332 7.27390  $-(5+28^*x+256^*x^6+2^*x^2-64^*x^3-80^*x^4-128^*x^5)/(2^*x^2-1)/(8^*x^2-1)/(16^*x^3-4^*x^2-5^*x-1)$  lgdogf  
A083332 9.39100 [  $-(16^*x^3-4^*x^2-5^*x-1)/(2^*x^2-1)/(8^*x^2-1)$  ogf]  
A083333 10.9489 [  $-(4^*x^2-x-1)/(2^*x^2-1)/(8^*x^2-1)$  ogf]  
A083333 9.04002  $-(1+12^*x+10^*x^2-64^*x^3-48^*x^4+128^*x^5)/(2^*x^2-1)/(4^*x^2-x-1)/(8^*x^2-1)$  lgdogf  
A083334 7.14891  $-(6+34^*x-3^*x^2-100^*x^3-150^*x^4-250^*x^5+625^*x^6)/(25^*x^3-5^*x^2-6^*x-1)/(25^*x^4-12^*x^2+1)$  lgdogf  
A083334 9.23062 [  $-(25^*x^3-5^*x^2-6^*x-1)/(25^*x^4-12^*x^2+1)$  ogf]  
A083335 11.4516 [  $-(5^*x^2-x-1)/(25^*x^4-12^*x^2+1)$  ogf]  
A083335 9.60093  $-(1+14^*x-100^*x^3-75^*x^4+250^*x^5+12^*x^2)/(5^*x^2-x-1)/(25^*x^4-12^*x^2+1)$  lgdogf  
A083336 11.4671  $-(1+6^*x+4^*x^2-4^*x^3-3^*x^4+2^*x^5)/(x^2-x-1)/(x^4-4^*x^2+1)$  lgdogf  
A083336 11.5069 [  $-3^*(x^2-x-1)/(x^4-4^*x^2+1)$  ogf]  
A083337 13.8081  $1/4^*(-3-2^*x+(3+4^*x+4^*x^2)^{1/2})^3^{1/2}/x$  revogf  
A083337 15.9383 [  $-3^*x/(2^*x^2+2^*x-1)$  ogf]  
A083337 24.1642  $-2^*(2^*x+1)/(2^*x^2-1+2^*x)$  lgdogf  
A083337 7.28044 [  $\{-a(n+2)+2^*a(n+1)+2^*a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A083363 11.6697  $(7+15^*x+17^*x^3+10^*x^4+47^*x^2)/(x-1)/(x+1)/(x^5-x^4-7^*x^3-2^*x^2-6^*x-1)$  lgdogf  
A083363 8.12568 [  $(x^5-x^4-7^*x^3-2^*x^2-6^*x-1)/(x+1)^2/(x-1)^3$  ogf]  
A083364 6.70864 [  $(x^5+6^*x^4+3^*x^3+9^*x^2+4^*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A083364 9.05835  $-(5+29^*x+19^*x^5+2^*x^6+72^*x^3+23^*x^4+42^*x^2)/(x-1)/(x+1)/(x^5+6^*x^4+3^*x^3+9^*x^2+4^*x+1)$  lgdogf  
A083365 15.3387 [  $-(-x+1)/(x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A083374 10.4957 [  $-6^*x^*(x+1)/(x-1)^5$  ogf]  
A083374 33.8806  $-2^*(3+2^*x)/(x-1)/(x+1)$  lgdogf  
A083374 37.2003 [  $[6-x]$  ogf\_with\_Euler\_transform]  
A083374 5.87449 [  $\{(n+2)^*a(n+3)-6^*a(n+2)+(-4-n)^*a(n+1), a(0) = 0, a(1) = 6, a(2) = 36\}$ , ogf]  
A083392 18.3021 [  $x/(x-1)/(x+1)^3$  ogf]  
A083392 35.5611 [  $[-2+3^*x]$  ogf\_with\_Euler\_transform]  
A083392 36.5957  $-2^*(-1+2^*x)/(x-1)/(x+1)$  lgdogf  
A083392 5.64199 [  $\{(-2-n)^*a(n+3)-2^*a(n+2)+(4+n)^*a(n+1), a(0) = 0, a(1) = -1, a(2) = 2\}$ , ogf]  
A083410 9.66635  $1/2^*\ln(3+8^*x)-1/2^*\ln(1+2^*x)-1/2^*\ln(1+2^*(1+2^*x)^{1/2})+1/2^*\ln(-1+2^*(1+2^*x)^{1/2})$  revevgf  
A083416 11.0666 [  $-(x^3-x^2-2^*x-1)/(2^*x^2-1)/(x-1)/(x+1)$  ogf]  
A083416 6.78615 [  $\{a(n+4)-3^*a(n+2)+2^*a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 5\}$ , ogf]  
A083416 9.27074  $-(2+8^*x+3^*x^2-8^*x^3-9^*x^4-4^*x^5+2^*x^6)/(x-1)/(x+1)/(2^*x^2-1)/(x^3-x^2-2^*x-1)$  lgdogf  
A083420 14.0003  $-1/4^*(-1-5^*x+(1+18^*x+9^*x^2)^{1/2})/(-1+2^*x)$  revogf  
A083420 15.8425  $-(-7+8^*x+8^*x^2)/(x-1)/(2^*x+1)/(-1+4^*x)$  lgdogf  
A083420 16.3090 [  $(2^*x+1)/(x-1)/(4^*x-1)$  ogf]  
A083420 8.95006 [  $\{-a(n+2)+5^*a(n+1)-4^*a(n), a(0) = 1, a(1) = 7\}$ , ogf]

A083421 12.3766 [ (x+1)/(5\*x-1)/(2\*x-1) ogf]  
A083421 12.6624 -1/2\*(-1-7\*x+(1+18\*x+9\*x^2)^(1/2))/(-1+10\*x) revogf  
A083421 13.9287 -2\*(-4+10\*x+5\*x^2)/(2\*x-1)/(5\*x-1)/(1+x) lgdogf  
A083421 6.85934 [ {-a(n+2)+7\*a(n+1)-10\*a(n), a(0) = 1, a(1) = 8}, ogf]  
A083423 10.6169 -1/3\*arcsinh(2/5\*5^(1/2))+1/3\*arcsinh(1/5\*5^(1/2)\*(2+9\*x))  
revogf  
A083423 15.3369 [ -(2\*x+1)/(3\*x-1)/(3\*x+1) ogf]  
A083423 15.3945 -2\*(1+9\*x+9\*x^2)/(3\*x-1)/(2\*x+1)/(1+3\*x) lgdogf  
A083423 9.82520 [ {-a(n+2)+9\*a(n), a(0) = 1, a(1) = 2}, ogf]  
A083424 14.3365 [ -(x+1)/(2\*x+1)/(4\*x-1) ogf]  
A083424 15.4252 1/2/(1+8\*x)\*(-2\*x-1+(1+8\*x+36\*x^2)^(1/2)) revogf  
A083424 16.6429 -(3+16\*x+8\*x^2)/(-1+4\*x)/(2\*x+1)/(x+1) lgdogf  
A083424 7.86761 [ {-a(n+2)+2\*a(n+1)+8\*a(n), a(0) = 1, a(1) = 3}, ogf]  
A083425 20.0394 1/10/x\*(-1-4\*x+(1+8\*x+36\*x^2)^(1/2)) revogf  
A083425 22.2464 [ -1/(x+1)/(5\*x-1) ogf]  
A083425 30.0591 -2\*(2+5\*x)/(x+1)/(5\*x-1) lgdogf  
A083425 8.95280 [ {-a(n+2)+4\*a(n+1)+5\*a(n), a(0) = 1, a(1) = 4}, ogf]  
A083426 12.5039 [ -(3\*x-1)/(7\*x-1)/(2\*x-1) ogf]  
A083426 13.0976 -1/2\*(-1-9\*x+(1+6\*x+25\*x^2)^(1/2))/(3+14\*x) revogf  
A083426 13.0976 -2\*(3-14\*x+21\*x^2)/(3\*x-1)/(-1+2\*x)/(7\*x-1) lgdogf  
A083426 6.92988 [ {a(n+2)-9\*a(n+1)+14\*a(n), a(0) = 1, a(1) = 6}, ogf]  
A083441 3.85383 [ (9100\*x^6-300\*x^4-891\*x^3+111\*x^2-1)/(10\*x+1)/(x+1)/  
(10\*x^2-1)/(10\*x-1)^2/(x-1)^2 ogf]  
A083445 11.5282 [ 18\*(5\*x-1)/(x-1)/(9\*x-1)/(10\*x-1) ogf]  
A083445 5.57513 [ {-a(n+3)+20\*a(n+2)-109\*a(n+1)+90\*a(n), a(0) = 18, a(1) = 270,  
a(2) = 3438}, ogf]  
A083445 8.93181 -(-15+218\*x-815\*x^2+900\*x^3)/(x-1)/(9\*x-1)/(5\*x-1)/(10\*x-1)  
lgdogf  
A083446 4.66345 [ {-a(n+3)+20\*a(n+2)-109\*a(n+1)+90\*a(n), a(0) = 2, a(1) = 30,  
a(2) = 382}, ogf]  
A083446 9.20999 -(-15+218\*x-815\*x^2+900\*x^3)/(x-1)/(9\*x-1)/(5\*x-1)/(10\*x-1)  
lgdogf  
A083446 9.56812 [ 2\*(5\*x-1)/(x-1)/(9\*x-1)/(10\*x-1) ogf]  
A083456 14.4652 (-2-9\*x^2-49\*x^4+32\*x^5+18\*x^3)/(x-1)/(8\*x^5-3\*x^4+3\*x^3+x+1)  
lgdogf  
A083456 14.7447 [ -(8\*x^5-3\*x^4+3\*x^3+x+1)/(x-1) ogf]  
A083457 13.8537 2\*(-1+22\*x^3-28\*x^4+14\*x^5-12\*x^2)/(x-1)/(7\*x^5-7\*x^4+8\*x^3+x+1)  
lgdogf  
A083457 14.8146 [ -(7\*x^5-7\*x^4+8\*x^3+x+1)/(x-1) ogf]  
A083460 4.80296 [ -(999680\*x^6-1005898\*x^5+6763\*x^4-577\*x^3+26\*x^2+17\*x-2)/  
(x-1)/(10\*x-1) ogf]  
A083461 5.21950 [ -x\*(997570\*x^5-1097327\*x^4+109677\*x^3-9952\*x^2+26\*x-3)/(x-1)/  
(10\*x-1) ogf]  
A083490 4.30399 [ 2\*(50\*x^15+5\*x^14-55\*x^13-10\*x^12-10\*x^11-10\*x^10-10\*x^9+10\*x^7+10\*x^6+7\*x^5+2\*x  
^4+2\*x^3+2\*x^2+2\*x+1)/(x-1)/(x+1)/(10\*x^8-1) ogf]  
A083511 7.79182 [ -11\*(x^4+x^3+7\*x^2+x+1)/(x+1)^2/(x-1)^3 ogf]  
A083559 4.81456 [ -(x^9-3\*x^8+3\*x^7-2\*x^6-10\*x^5-15\*x^4-19\*x^3-17\*x^2-9\*x-1)/(x  
+1)/(x^2+1)/(x-1)^4 ogf]  
A083560 4.03294 [ (x^11-4\*x^10+6\*x^9-4\*x^8+2\*x^7-4\*x^6-21\*x^5-73\*x^4-93\*x^3-74\*x^2-23\*x-1)/(x^2+x  
+1)/(x-1)^5 ogf]  
A083564 6.78608 -(21+18\*x+60\*x^2-60\*x^3+15\*x^4+18\*x^5+4\*x^6)/(x^2+4\*x-1)/(x^2-x-1)  
lgdogf  
A083564 7.72760 [ -(4\*x^3+9\*x^2-12\*x-3)/(x^2+4\*x-1)/(x^2-x-1) ogf]  
A083570 7.73708 -(1+4\*x  
+12\*x^5+4\*x^3+14\*x^10+8\*x^9+12\*x^11+9\*x^8+5\*x^12+6\*x^14+6\*x^2)/(x-1)/(x^2+x+1)/  
(2\*x^2+1)/(x^6+x^3+1)/(x^4+x+1) lgdogf  
A083570 9.53062 [ -x^2\*(2\*x^2+1)\*(x^4+x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1) ogf]  
A083573 14.4629 -1/75924\*(-3-253241\*x^2+(9+966\*x^2+127153\*x^4)^(1/2))/x lgdogf  
A083575 12.9231 1/2\*ln(2\*x+7)-arctanh((10\*x+36)^(1/2))-1/2\*ln(7)+arctanh(6)

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revegff
A083575 17.2517 [ -(7*x-6)/(2*x-1)/(x-1) ogf]
A083575 19.5503 [ -(11-24*x+14*x^2)/(x-1)/(7*x-6)/(2*x-1) lgdogf]
A083575 9.35333 [ {a(n+2)-3*a(n+1)+2*a(n), a(0) = 6, a(1) = 11}, ogf]
A083578 12.7076 [ (x-1)/(4*x+1)/(6*x-1) ogf]
A083578 14.6761 [ -(1-48*x+24*x^2)/(x-1)/(6*x-1)/(1+4*x) lgdogf]
A083578 7.04275 [ {-a(n+2)+2*a(n+1)+24*a(n), a(0) = 1, a(1) = 1}, ogf]
A083579 11.2110 [ -(1-3*x+10*x^2-10*x^3+8*x^4)/(x-1)/(2*x-1)/(x+1)/(2*x^2-2*x+1)
lgdogf]
A083579 3.83307 [ {(-2*n-4)*a(n+1)+a(n+2)*n+(2*n+3)*a(n+3)+(-n-1)*a(n+4), a(0) =
0, a(1) = 1, a(2) = 1, a(3) = 4}, ogf]
A083579 9.81897 [ -x*(2*x^2-2*x+1)/(x+1)/(2*x-1)/(x-1)^2 ogf]
A083580 11.4034 [ -(3+16*x-33*x^2+30*x^3)/(2*x-1)/(3*x-1)/(5*x^2-4*x+1) lgdogf]
A083580 4.66832 [ {a(n+4)-7*a(n+3)+16*a(n+2)-12*a(n+1), a(0) = 0, a(1) = 1, a(2)
= 3, a(3) = 10}, ogf]
A083580 9.33664 [ -x*(5*x^2-4*x+1)/(3*x-1)/(2*x-1)^2 ogf]
A083581 17.0164 [ -(7*x+1)/(2*x+1)/(x-1) ogf]
A083581 21.2551 [ -2*(3+2*x+7*x^2)/(x-1)/(7*x+1)/(2*x+1) lgdogf]
A083581 21.2551 [ 1/2/(7+2*x)*(x-1+(1+26*x+9*x^2)^(1/2)) revogf]
A083581 9.33824 [ {-a(n+2)-a(n+1)+2*a(n), a(0) = 1, a(1) = 6}, ogf]
A083582 15.4148 [ -(6*x+1)/(x+1)/(2*x-1) ogf]
A083582 18.3765 [ -(7+4*x+12*x^2)/(2*x-1)/(6*x+1)/(x+1) lgdogf]
A083582 18.3765 [ 1/4*(-1-x+(1+26*x+9*x^2)^(1/2))/(x+3) revogf]
A083582 8.45934 [ {a(n+2)-a(n+1)-2*a(n), a(0) = 1, a(1) = 7}, ogf]
A083583 17.4909 [ -1/10-3/10*x+1/10*(1+26*x+9*x^2)^(1/2) revogf]
A083583 18.3158 [ -(5*x+1)/(3*x-1) ogf]
A083583 34.9817 [ -8/(5*x+1)/(-1+3*x) lgdogf]
A083583 9.41229 [ {a(n+2)-3*a(n+1), a(0) = 1, a(1) = 8}, ogf]
A083584 13.9355 [ (4*x+1)/(4*x-1)/(x-1) ogf]
A083584 15.3639 [ -1/8*(-1-5*x+(1+26*x+9*x^2)^(1/2))/(x-1) revogf]
A083584 16.1725 [ -(9+8*x+16*x^2)/(x-1)/(4*x-1)/(4*x+1) lgdogf]
A083584 7.64754 [ {-a(n+2)+5*a(n+1)-4*a(n), a(0) = 1, a(1) = 9}, ogf]
A083585 12.6414 [ (3*x+1)/(5*x-1)/(2*x-1) ogf]
A083585 12.9392 [ -1/2*(-1-7*x+(1+26*x+9*x^2)^(1/2))/(-3+10*x) revogf]
A083585 13.5554 [ -10*(x+1)*(3*x-1)/(-1+2*x)/(3*x+1)/(5*x-1) lgdogf]
A083585 6.92265 [ {-a(n+2)+7*a(n+1)-10*a(n), a(0) = 1, a(1) = 10}, ogf]
A083586 8.06736 [ x*(10*x^2-6*x+1)/(4*x-1)/(x-1)/(3*x-1)^2 ogf]
A083586 8.72845 [ -(5-51*x+240*x^4-366*x^3+202*x^2)/(x-1)/(4*x-1)/(-1+3*x)/
(10*x^2-6*x+1) lgdogf]
A083587 10.1363 [ -4*(-1+7*x+17*x^3-18*x^2)/(-1+3*x)/(2*x-1)/(10*x^3-2*x^2-3*x+1)
lgdogf]
A083587 4.79132 [ {a(n+4)-7*a(n+3)+16*a(n+2)-12*a(n+1), a(0) = 1, a(1) = 4, a(2)
= 10, a(3) = 28}, ogf]
A083587 9.05028 [ -(10*x^3-2*x^2-3*x+1)/(3*x-1)/(2*x-1)^2 ogf]
A083588 8.12168 [ (8*x^3+7*x^2-6*x+1)/(4*x-1)/(x-1)/(3*x-1)^2 ogf]
A083589 16.0453 [ 1/(x-1)/(4*x-1)/(x+1)/(x^2+1) ogf]
A083590 14.8521 [ 1/(5*x-1)/(x-1)/(x^4+x^3+x^2+x+1) ogf]
A083590 9.62211 [ -5*(2*x^2-x+1)*(3*x^3+x^2-x-1)/(x-1)/(5*x-1)/(x^4+x^3+x^2+x+1)
lgdogf]
A083591 10.6579 [ -(3+15*x+30*x^2+34*x^3)/(3*x-1)/(2*x+1)/(x+1)/(2*x^2+2*x+1)
lgdogf]
A083591 7.37754 [ -(x+1)^4/(3*x-1)/(2*x+1)/(2*x^2+2*x+1) ogf]
A083592 6.14819 [ -(x+1)^5/(4*x-1)/(5*x^4+10*x^3+10*x^2+5*x+1) ogf]
A083593 14.6004 [ -2*(-1-2*x^3+5*x^4)/(x-1)/(2*x-1)/(x+1)/(x^2+1) lgdogf]
A083593 17.0751 [ 1/(x-1)/(2*x-1)/(x+1)/(x^2+1) ogf]
A083594 16.7832 [ -(6*x+1)/(2*x+1)/(x-1) ogf]
A083594 21.5461 [ -(5+4*x+12*x^2)/(x-1)/(2*x+1)/(1+6*x) lgdogf]
A083594 22.1446 [ 1/4*(x-1+(1+22*x+9*x^2)^(1/2))/(x+3) revogf]
A083594 9.21032 [ {-a(n+2)-a(n+1)+2*a(n), a(0) = 1, a(1) = 5}, ogf]
A083595 15.2622 [ -(5*x+1)/(x+1)/(2*x-1) ogf]
A083595 17.2580 [ 1/2/(5+2*x)*(-1-x+(1+22*x+9*x^2)^(1/2)) revogf]

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A083595 17.7122  $-2*(3+2*x+5*x^2)/(5*x+1)/(2*x-1)/(x+1)$  lgdogf  
A083595 8.37559  $[{a(n+2)-a(n+1)-2*a(n), a(0) = 1, a(1) = 6}],$  ogf]  
A083596 2.67571  $[{a(n+2)-3*a(n+1), a(0) = 1, a(1) = 7}],$  ogf]  
A083596 5.20272  $-1/8-3/8*x+1/8*(1+22*x+9*x^2)^(1/2)$  revogf  
A083596 5.20678  $[ -(4*x+1)/(3*x-1)$  ogf]  
A083596 9.58395  $-7/(4*x+1)/(-1+3*x)$  lgdogf  
A083597 13.7962  $[ (3*x+1)/(4*x-1)/(x-1)$  ogf]  
A083597 14.4830  $-1/2*(-1-5*x+(1+22*x+9*x^2)^(1/2))/(4*x-3)$  revogf  
A083597 15.2071  $-4*(-2+2*x+3*x^2)/(x-1)/(3*x+1)/(-1+4*x)$  lgdogf  
A083597 7.57106  $[{-a(n+2)+5*a(n+1)-4*a(n), a(0) = 1, a(1) = 8}],$  ogf]  
A083650 4.64439  $[-(2*x^15+x^14-2*x^13-x^12+2*x^11-x^10-x^9+x^8+3*x^7+x^6-x^5-x^4+2*x^3-x^2-2*x+1)/(-x^16+1)$  ogf\_with\_Euler\_transform]  
A083655 7.27518  $[ -x*(8*x^7+8*x^6+8*x^5+2*x^4-2*x^3-4*x^2-2*x-1)/(4*x^3-1)/(2*x^3-1)$  ogf]  
A083658 15.9912  $[ -(2*x^3+x+1)/(3*x^2-1)$  ogf]  
A083658 8.16219  $[{-a(n+4)+3*a(n+2), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 5},$  ogf]  
A083669 10.5756  $-(51+456*x+96*x^3+x^4+546*x^2)/(x-1)/(x^4+46*x^3+136*x^2+46*x+1)$  lgdogf  
A083669 6.97418  $[ -(x^4+46*x^3+136*x^2+46*x+1)/(x-1)^5$  ogf]  
A083672 16.6164  $-(-1-14*x+3*x^2)/(x-1)/(-1+3*x)/(x+1)$  lgdogf  
A083672 8.04721  $[ -(x-1)^3/(x+1)^2/(3*x-1)^2$  ogf]  
A083673 9.98163  $[ (5*x^6-3*x^5+4*x^4+3*x^3-x^2+2*x+2)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A083683 11.8827  $1/2*\ln(2*x+13)-\operatorname{arctanh}((22*x+144)^(1/2))-1/2*\ln(13)+\operatorname{arctanh}(12)$  revogf  
A083683 16.2201  $[ -(13*x-12)/(2*x-1)/(x-1)$  ogf]  
A083683 18.2588  $-(23-48*x+26*x^2)/(x-1)/(2*x-1)/(13*x-12)$  lgdogf  
A083683 9.07555  $[{a(n+2)-3*a(n+1)+2*a(n), a(0) = 12, a(1) = 23}],$  ogf]  
A083686 14.0520  $1/2*\ln(2*x+9)-\operatorname{arctanh}((14*x+64)^(1/2))-\ln(3)+\operatorname{arctanh}(8)$  revogf  
A083686 17.4827  $[ -(9*x-8)/(2*x-1)/(x-1)$  ogf]  
A083686 19.8169  $-(15-32*x+18*x^2)/(x-1)/(9*x-8)/(2*x-1)$  lgdogf  
A083686 9.47859  $[{a(n+2)-3*a(n+1)+2*a(n), a(0) = 8, a(1) = 15}],$  ogf]  
A083691 12.9068  $-1/4*(-4-5*x+(x^2*(1+8*x+8*x^2))^(1/2))*x/(1+x)^3$  revogf  
A083694 16.6164  $[ -2*x/(5*x^2+2*x-1)$  ogf]  
A083694 18.9109  $1/5*(-1-x+(1+2*x+6*x^2)^(1/2))/x$  revogf  
A083694 25.2146  $-2*(5*x+1)/(5*x^2-1+2*x)$  lgdogf  
A083694 7.59020  $[{-a(n+2)+2*a(n+1)+5*a(n), a(0) = 0, a(1) = 2}],$  ogf]  
A083695 17.1690  $1/10*(-3-2*x+(3+4*x+8*x^2)^(1/2))*3^(1/2)/x$  revogf  
A083695 20.2204  $[ -3*x/(5*x^2+2*x-1)$  ogf]  
A083695 30.7612  $-2*(1+5*x)/(5*x^2-1+2*x)$  lgdogf  
A083695 9.23649  $[{-a(n+2)+2*a(n+1)+5*a(n), a(0) = 0, a(1) = 3}],$  ogf]  
A083703 15.6514  $[-(3*x^3+4*x^2+4*x+4)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A083705 12.4877  $1/2*\ln(2*x+11)-\operatorname{arctanh}((18*x+100)^(1/2))-1/2*\ln(11)+\operatorname{arctanh}(10)$  revogf  
A083705 17.0337  $[ -(11*x-10)/(2*x-1)/(x-1)$  ogf]  
A083705 19.1884  $-(-19-40*x+22*x^2)/(11*x-10)/(x-1)/(2*x-1)$  lgdogf  
A083705 9.53079  $[{a(n+2)-3*a(n+1)+2*a(n), a(0) = 10, a(1) = 19}],$  ogf]  
A083706 13.6180  $[ (2*x^2-1)/(2*x-1)/(x-1)^2$  ogf]  
A083706 16.5704  $-2*(2-5*x+2*x^3+2*x^2)/(2*x-1)/(x-1)/(2*x^2-1)$  lgdogf  
A083706 6.93058  $[{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 4, a(2) = 9},$  ogf]  
A083707 7.23350  $[ -x*(x^4+4*x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A083707 9.48273  $-(2+16*x+5*x^7+7*x^6+36*x^5+42*x^4+45*x^3+27*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^4+4*x^2+1)$  lgdogf  
A083708 6.54092  $[ x*(x^4+4*x^2+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^6$  ogf]  
A083708 9.30071  $-2*(1+8*x+5*x^6+24*x^5+27*x^4+24*x^3+4*x^7+15*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^4+4*x^2+1)$  lgdogf  
A083709 6.38277  $[ (x^6-x^5+2*x^4+2*x^3+2*x^2-x+1)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A083709 7.89785  $-x*(2*x^8+8+21*x^5+36*x^4+24*x^3+28*x^2+10*x^6+15*x)/(x-1)/(x+1)/(x^6-x^5+2*x^4+2*x^3+2*x^2-x+1)/(x^2+x+1)$  lgdogf



A083713 15.2940  $-1/16*(-3-9*x+(9+54*x+49*x^2)^{(1/2)})/x$  revogf  
A083713 15.9502  $[3*x/(8*x-1)/(x-1)$  ogf]  
A083713 23.2469  $-(-9+16*x)/(-1+8*x)/(x-1)$  lgdogf  
A083713 7.28591  $[{a(n+2)-9*a(n+1)+8*a(n), a(0) = 0, a(1) = 3}],$  ogf]  
A083727 10.3972  $[-2*x*(3*x-1)*(5*x-3)/(2*x-1)^2/(x-1)^2$  ogf]  
A083727 14.2962  $-4*(-1+9*x+15*x^3-21*x^2)/(x-1)/(3*x-1)/(-3+5*x)/(2*x-1)$  lgdogf  
A083727 4.54878  $[{(-2*n^2-10*n-12)*a(n+1)+(3*n^2+12*n+9)*a(n+2)+(-n^2-3*n-2)*a(n+3), a(0) = 0, a(1) = -6, a(2) = -8}],$  ogf]  
A083744 6.41976  $(1+4*x+160*x^7-152*x^8+48*x^9-50*x^5-41*x^6-20*x^3+55*x^4-2*x^2)/(x-1)/(8*x^9-16*x^8+8*x^7+5*x^6-10*x^5+5*x^4+2*x^3-4*x^2+2*x-1)$  lgdogf  
A083744 7.03938  $[(8*x^9-16*x^8+8*x^7+5*x^6-10*x^5+5*x^4+2*x^3-4*x^2+2*x-1)/(x-1)^3$  ogf]  
A083746 3.82468  $[{(-2*n^2+2*n)*a(n)+(3*n^3+11*n^2+13*n-3)*a(n+1)+(-3*n^2-5*n+2)*a(n+2), a(0) = 1, a(1) = 2}],$  ogf]  
A083811 2.99903  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 36, a(1) = 396}],$  ogf]  
A083811 5.83665  $-1/20*(-36-11*x+3*(144+88*x+9*x^2)^{(1/2)})/x$  revogf  
A083811 7.24767  $[36/(x-1)/(10*x-1)$  ogf]  
A083811 9.29540  $-(-11+20*x)/(10*x-1)/(-1+x)$  lgdogf  
A083812 18.8935  $[18/(x-1)/(10*x-1)$  ogf]  
A083812 7.81800  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 18, a(1) = 198}],$  ogf]  
A083813 12.9021  $-(-11+20*x)/(10*x-1)/(-1+x)$  lgdogf  
A083813 4.12543  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 27, a(1) = 297}],$  ogf]  
A083813 6.96712  $-1/20*(-11*x-27+3*(3*x^2+22*x+27)^{(1/2)}*3^{(1/2)})/x$  revogf  
A083813 9.96978  $[27/(x-1)/(10*x-1)$  ogf]  
A083816 4.42045  $[-(8000*x^4-690*x^3+808*x^2-100*x+1)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A083817 10.0054  $[-(2*x^7+x^5-4*x^4-x^3+2*x+1)/(x-1)^3/(x^2+x+1)^3$  ogf]  
A083817 10.4458  $-(2-6*x^6-6*x^5+6*x^2+5*x^4+4*x^7+4*x^9)/(x-1)/(x^2+x+1)/(2*x^7+x^5-4*x^4-x^3+2*x+1)$  lgdogf  
A083818 14.5418  $[(26*x+1)/(x-1)/(10*x-1)$  ogf]  
A083818 7.25742  $-1/20*(-37-11*x+(1369+774*x+81*x^2)^{(1/2)})/(1+x)$  revogf  
A083818 7.57295  $-(397-740*x+100*x^2)/(-1+x)/(10*x-37)/(10*x-1)$  lgdogf  
A083818 8.21182  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 1, a(1) = 37}],$  ogf]  
A083819 13.6181  $9*(4+6*x+5*x^2+6325*x^4+8*x^3)/(27*x^2+1+36*x+18*x^4+15*x^3+11385*x^5)$  lgdogf  
A083823 4.97164  $[{-a(n+4)+10*a(n+3)+a(n+2)-10*a(n+1), a(0) = 15, a(1) = 18, a(2) = 114, a(3) = 1107}],$  ogf]  
A083823 9.22370  $[3*(33*x^3-27*x^2-44*x+5)/(x-1)/(10*x-1)/(x+1)$  ogf]  
A083839 6.56531  $[-x*(x^6-4*x^4+8*x^3-6*x^2+3*x-1)/(x^2-x+1)/(x^2+x-1)/(x^3-x^2+2*x-1)$  ogf]  
A083858 17.0928  $[-x/(6*x^2+3*x-1)$  ogf]  
A083858 17.3027  $1/12/x*(-1-3*x+(1+6*x+33*x^2)^{(1/2)})$  revogf  
A083858 25.9541  $-3*(4*x+1)/(6*x^2+3*x-1)$  lgdogf  
A083858 7.80780  $[{-a(n+2)+3*a(n+1)+6*a(n), a(0) = 0, a(1) = 1}],$  ogf]  
A083877 12.7466  $[(3*x^2+1)/(x+1)/(3*x-1)^2$  ogf]  
A083877 14.0425  $-(3*x+1)*(3*x^2+5)/(-1+3*x)/(x+1)/(3*x^2+1)$  lgdogf  
A083877 6.42970  $[{-a(n+3)+5*a(n+2)-3*a(n+1)-9*a(n), a(0) = 1, a(1) = 5, a(2) = 25}],$  ogf]  
A083878 13.5871  $[-(3*x-1)/(7*x^2-6*x+1)$  ogf]  
A083878 15.3559  $-(3-14*x+21*x^2)/(-1+3*x)/(7*x^2-6*x+1)$  lgdogf  
A083878 16.1859  $-1/2*(-1-6*x+(1+8*x^2)^{(1/2)})/(3+7*x)$  revogf  
A083878 7.45635  $[{a(n+2)-6*a(n+1)+7*a(n), a(0) = 1, a(1) = 3}],$  ogf]  
A083879 13.4393  $[-(4*x-1)/(14*x^2-8*x+1)$  ogf]  
A083879 15.1461  $-4*(1-7*x+14*x^2)/(4*x-1)/(14*x^2-8*x+1)$  lgdogf  
A083879 7.44829  $[{a(n+2)-8*a(n+1)+14*a(n), a(0) = 1, a(1) = 4}],$  ogf]  
A083880 12.8259  $[-(5*x-1)/(23*x^2-10*x+1)$  ogf]  
A083880 14.4058  $-(5-46*x+115*x^2)/(5*x-1)/(23*x^2-10*x+1)$  lgdogf  
A083880 7.17637  $[{a(n+2)-10*a(n+1)+23*a(n), a(0) = 1, a(1) = 5}],$  ogf]  
A083881 14.1445  $[-(3*x-1)/(6*x^2-6*x+1)$  ogf]  
A083881 15.9990  $-3*(1-4*x+6*x^2)/(-1+3*x)/(6*x^2-6*x+1)$  lgdogf

A083881 7.76224 [ {a(n+2)-6\*a(n+1)+6\*a(n), a(0) = 1, a(1) = 3}, ogf]  
A083882 12.5752 [ -(4\*x-1)/(13\*x^2-8\*x+1) ogf]  
A083882 13.8117 -2\*(2-13\*x+26\*x^2)/(4\*x-1)/(13\*x^2-8\*x+1) lgdogf  
A083882 6.96939 [ {a(n+2)-8\*a(n+1)+13\*a(n), a(0) = 1, a(1) = 4}, ogf]  
A083884 15.2226 [ -(5\*x-1)/(9\*x-1)/(x-1) ogf]  
A083884 18.1069 -(5-18\*x+45\*x^2)/(x-1)/(9\*x-1)/(5\*x-1) lgdogf  
A083884 8.43663 [ {a(n+2)-10\*a(n+1)+9\*a(n), a(0) = 1, a(1) = 5}, ogf]  
A083885 5.02049 [ {-a(n+4)+4\*a(n+3)+4\*a(n+2)-16\*a(n+1), a(0) = 1, a(1) = 1, a(2) = 6, a(3) = 16}, ogf]  
A083885 9.03932 (1+4\*x+64\*x^3+16\*x^4-40\*x^2)/(x-1)/(-1+4\*x)/(2\*x+1)/(2\*x-1)/(4\*x^2+2\*x-1) lgdogf  
A083885 9.61066 [ (x-1)\*(4\*x^2+2\*x-1)/(2\*x+1)/(2\*x-1)/(4\*x-1) ogf]  
A083886 179.196 3+2\*x lgdegf  
A083886 7.63874 [ {(-2\*n-4)\*a(n+1)+a(n+3)-3\*a(n+2), a(0) = 1, a(1) = 3, a(2) = 11}, ogf]  
A083909 17.3173 [ 9/(100\*x-1)/(10\*x-1) ogf]  
A083909 7.39389 [ {-a(n+2)+110\*a(n+1)-1000\*a(n), a(0) = 9, a(1) = 990}, ogf]  
A083943 12.0231 [ -(3\*x-1)\*x/(x-1)/(2\*x-1)/(x+1) ogf]  
A083943 15.6644 -(-1+2\*x+12\*x^3-9\*x^2)/(x-1)/(3\*x-1)/(2\*x-1)/(x+1) lgdogf  
A083943 6.17402 [ {-a(n+3)+2\*a(n+2)+a(n+1)-2\*a(n), a(0) = 0, a(1) = 1, a(2) = -1}, ogf]  
A083944 11.8565 [ -x\*(4\*x-1)/(x-1)/(2\*x-1)/(x+1) ogf]  
A083944 15.3879 -2\*(-1+x+8\*x^3-5\*x^2)/(x-1)/(-1+4\*x)/(2\*x-1)/(x+1) lgdogf  
A083944 6.08846 [ {-a(n+3)+2\*a(n+2)+a(n+1)-2\*a(n), a(0) = 0, a(1) = 1, a(2) = -2}, ogf]  
A084006 4.71828 [ -9\*(1000\*x^8-1110\*x^5+90\*x^4+40\*x^3+121\*x^2+9\*x+4)/(x-1)/(100\*x^3-1)/(10\*x^3-1)/(x^2+x+1) ogf]  
A084021 8.86180 (-7+10\*x-4050\*x^8+11250\*x^9+3240\*x^11-10440\*x^10)/(x-1)/(405\*x^11-855\*x^10+450\*x^9-5\*x+4) lgdogf  
A084021 9.19754 [ -2\*(405\*x^11-855\*x^10+450\*x^9-5\*x+4)/(x-1)^3 ogf]  
A084056 12.8375 [ x\*(2\*x-1)/(x-1)/(x+1)^2 ogf]  
A084056 24.7861 -(3-5\*x+4\*x^2)/(x-1)/(2\*x-1)/(x+1) lgdogf  
A084056 6.59221 [ {a(n+3)+a(n+2)-a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = -3}, ogf]  
A084057 16.8832 [ (x-1)/(4\*x^2+2\*x-1) ogf]  
A084057 18.1523 -(-1-8\*x+4\*x^2)/(x-1)/(4\*x^2+2\*x-1) lgdogf  
A084057 9.26515 [ {-a(n+2)+2\*a(n+1)+4\*a(n), a(0) = 1, a(1) = 1}, ogf]  
A084058 14.9499 [ (x-1)/(7\*x^2+2\*x-1) ogf]  
A084058 18.3297 -(-1-14\*x+7\*x^2)/(x-1)/(7\*x^2+2\*x-1) lgdogf  
A084058 8.20422 [ {-a(n+2)+2\*a(n+1)+7\*a(n), a(0) = 1, a(1) = 1}, ogf]  
A084059 13.6568 [ (2\*x-1)/(2\*x^2+4\*x-1) ogf]  
A084059 15.0504 -2\*(-1-2\*x+2\*x^2)/(-1+2\*x)/(2\*x^2+4\*x-1) lgdogf  
A084059 17.2004 1/4\*(-1-4\*x+(24\*x^2+1)^(1/2))/(x-1) revogf  
A084059 7.49459 [ {-a(n+2)+4\*a(n+1)+2\*a(n), a(0) = 1, a(1) = 2}, ogf]  
A084060 14.0848 [ (3\*x^2-4\*x-1)/(x-1)/(x+1)^2 ogf]  
A084060 21.0012 -(x-3)\*(3\*x^2-2\*x+1)/(x-1)/(x+1)/(3\*x^2-4\*x-1) lgdogf  
A084060 7.67118 [ {-a(n+3)-a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = -5}, ogf]  
A084066 5.15144 [ -  
(571\*x^34+1959\*x^33-3628\*x^23+2594\*x^22-2370\*x^12-820\*x^11+530\*x+53)/(x-1)/  
(230\*x^33-94\*x^22-290\*x^11+53) ogf]  
A084068 12.8291 [ (x+1)^2/(x^2+2\*x-1)/(x^2-2\*x-1) ogf]  
A084068 14.0716 -2\*(-1-6\*x+2\*x^3+x^4)/(x+1)/(x^2+2\*x-1)/(x^2-2\*x-1) lgdogf  
A084069 10.3030 -(-3-34\*x+4\*x^3+9\*x^4+2\*x^5-48\*x^2)/(x^2+3\*x+1)/(x^4-16\*x^2+1) lgdogf  
A084069 11.2328 [ (x^2+3\*x+1)/(x^4-16\*x^2+1) ogf]  
A084070 13.0675 -(-19\*x-3+(3+20\*x)^(1/2)\*(1+6\*x)^(1/2)\*3^(1/2))/x revogf  
A084070 17.0738 [ 6\*x/(x^2-38\*x+1) ogf]  
A084070 27.8394 -2\*(-19+x)/(x^2+1-38\*x) lgdogf  
A084070 7.91226 [ {a(n+2)-38\*a(n+1)+a(n), a(0) = 0, a(1) = 6}, ogf]  
A084075 13.0515 -1/2\*((1+4\*x)^(1/2)-2\*x-1)\*(1+4\*x)^(1/2)/x/(2\*x+1) revogf

A084076 9.93212  $1/4*(x^2+6*x+1)^{(1/2)}*x+(x^2+6*x+1)^{(1/2)}-1-5*x-2*x^2)/x^2$   
revogf  
A084078 17.0137  $-1/2*(-x-3+(x^2+6*x+1)^{(1/2)})*x/(1+x)$  revogf  
A084080 22.9928  $x*(1+3*x+3*x^2)/(1+x)^4$  revogf  
A084084 12.2332  $[-(x+1)/(x^3+3*x^2+2*x-1)$  ogf]  
A084084 14.4393  $-(3+6*x+2*x^3+6*x^2)/(x+1)/(x^3+3*x^2+2*x-1)$  lgdogf  
A084084 5.78895  $[{a(n+3)-2*a(n+2)-3*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 9},$   
ogf]  
A084085 11.1438  $[-(x^3-x+1)/(x^4-x^2+3*x-1)$  ogf]  
A084085 11.9007  $-(2-2*x+x^6-2*x^3-2*x^4+4*x^2)/(x^3-x+1)/(x^4-x^2+3*x-1)$  lgdogf  
A084086 5.13610  $[{-a(n+4)+5*a(n+3)-7*a(n+2)+2*a(n+1), a(0) = 1, a(1) = 2, a(2) =$   
5, a(3) = 15}, ogf]  
A084086 9.56817  $-(2-10*x-32*x^3+18*x^4+23*x^2)/(2*x-1)/(x^2-3*x+1)/$   
 $(2*x^3+2*x^2-3*x+1)$  lgdogf  
A084086 9.90001  $[-(2*x^3+2*x^2-3*x+1)/(2*x-1)/(x^2-3*x+1)$  ogf]  
A084099 15.2916  $[(x+1)^2/(x^2+1)$  ogf]  
A084099 25.7844  $[[x^3-3*x+2]$  ogf\_with\_Euler\_transform]  
A084099 49.7128  $-2*(x-1)/(x+1)/(1+x^2)$  lgdogf  
A084099 9.02757  $[{a(n+3)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 0},$  ogf]  
A084100 14.6405  $[-(x-1)*(x+1)^2/(x^2+1)$  ogf]  
A084100 28.3182  $(-1+5*x-x^2+x^3)/(x-1)/(x+1)/(1+x^2)$  lgdogf  
A084100 28.7057  $[[x^3-3*x+1]$  ogf\_with\_Euler\_transform]  
A084100 8.69280  $[{-a(n+4)-a(n+2), a(0) = 1, a(1) = 1, a(2) = -2, a(3) = -2},$   
ogf]  
A084101 16.2507  $[-(x+1)^2/(x-1)/(x^2+1)$  ogf]  
A084101 25.5968  $-(3-3*x+3*x^2+x^3)/(x-1)/(x+1)/(1+x^2)$  lgdogf  
A084101 34.1122  $[[x^3-3*x+3]$  ogf\_with\_Euler\_transform]  
A084101 8.85083  $[{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 3},$  ogf]  
A084102 15.7957  $[(2*x+1)^2/(2*x^2+2*x+1)$  ogf]  
A084102 40.8211  $2/(1+2*x)/(2*x^2+2*x+1)$  lgdogf  
A084102 8.20757  $[{a(n+3)+2*a(n+2)+2*a(n+1), a(0) = 1, a(1) = 2, a(2) = -2},$  ogf]  
A084103 13.0749  $[(x+1)^2/(x^2-x+1)$  ogf]  
A084103 20.9470  $[x^5-x^2-3*x+3]$  ogf\_with\_Euler\_transform]  
A084103 39.1858  $-3*(x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A084103 6.79383  $[{-a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 3, a(2) = 3},$  ogf]  
A084104 16.2507  $[-(x+1)^2/(x-1)/(x^2-x+1)$  ogf]  
A084104 24.3169  $-(4-6*x+x^3+3*x^2)/(x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A084104 29.9774  $[x^5-x^2-3*x+4]$  ogf\_with\_Euler\_transform]  
A084104 8.85083  $[{a(n+3)-2*a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 7},$   
ogf]  
A084120 12.4487  $[-(3*x-1)/(3*x^2-6*x+1)$  ogf]  
A084120 14.4214  $-3*(1-2*x+3*x^2)/(3*x-1)/(3*x^2-6*x+1)$  lgdogf  
A084120 6.83161  $[{a(n+2)-6*a(n+1)+3*a(n), a(0) = 1, a(1) = 3},$  ogf]  
A084128 15.6784  $[(2*x-1)/(4*x^2+4*x-1)$  ogf]  
A084128 17.7645  $-2*(-1-4*x+4*x^2)/(2*x-1)/(4*x^2+4*x-1)$  lgdogf  
A084128 18.2320  $1/4*(-1-4*x+(32*x^2+1)^{(1/2)})/(-1+2*x)$  revogf  
A084128 8.60399  $[{-a(n+2)+4*a(n+1)+4*a(n), a(0) = 1, a(1) = 2},$  ogf]  
A084130 13.8695  $[-(4*x-1)/(8*x^2-8*x+1)$  ogf]  
A084130 15.6910  $-4*(1-4*x+8*x^2)/(-1+4*x)/(8*x^2-8*x+1)$  lgdogf  
A084130 7.61130  $[{a(n+2)-8*a(n+1)+8*a(n), a(0) = 1, a(1) = 4},$  ogf]  
A084131 12.5566  $[-(5*x-1)/(17*x^2-10*x+1)$  ogf]  
A084131 14.4544  $-(5-34*x+85*x^2)/(5*x-1)/(17*x^2-10*x+1)$  lgdogf  
A084131 7.02570  $[{a(n+2)-10*a(n+1)+17*a(n), a(0) = 1, a(1) = 5},$  ogf]  
A084132 13.3258  $[(2*x-1)/(6*x^2+4*x-1)$  ogf]  
A084132 15.0589  $-2*(-1-6*x+6*x^2)/(2*x-1)/(6*x^2+4*x-1)$  lgdogf  
A084132 7.31295  $[{-a(n+2)+4*a(n+1)+6*a(n), a(0) = 1, a(1) = 2},$  ogf]  
A084133 3.92064  $[(3*x-1)/(x^2+6*x-1)$  ogf]  
A084134 12.6486  $[-(4*x-1)/(6*x^2-8*x+1)$  ogf]  
A084134 14.6633  $-4*(1-3*x+6*x^2)/(4*x-1)/(6*x^2-8*x+1)$  lgdogf  
A084134 6.94133  $[{a(n+2)-8*a(n+1)+6*a(n), a(0) = 1, a(1) = 4},$  ogf]  
A084135 12.8753  $[-(5*x-1)/(15*x^2-10*x+1)$  ogf]

A084135 14.4672  $-5*(1-6*x+15*x^2)/(5*x-1)/(15*x^2-10*x+1)$  lgdogf  
A084135 7.20401  $[ \{a(n+2)-10*a(n+1)+15*a(n), a(0) = 1, a(1) = 5\}, ogf ]$   
A084136 10.6592  $[ -(x+1)*(3*x-1)/(x-1)/(7*x^2+2*x-1) ogf ]$   
A084136 5.80548  $[ \{a(n+3)-3*a(n+2)-5*a(n+1)+7*a(n), a(0) = 1, a(1) = 1, a(2) = 5\}, ogf ]$   
A084136 9.95841  $-(1+4*x+28*x^3+21*x^4-22*x^2)/(x-1)/(-1+3*x)/(x+1)/(7*x^2+2*x-1)$  lgdogf  
A084137 11.0597  $-2*(1-4*x-4*x^2+32*x^3)/(-1+2*x)/(-1+4*x)/(4*x^2+4*x-1)$  lgdogf  
A084137 11.7137  $[ -(4*x-1)/(2*x-1)/(4*x^2+4*x-1) ogf ]$   
A084137 5.54310  $[ \{a(n+3)-6*a(n+2)+4*a(n+1)+8*a(n), a(0) = 1, a(1) = 2, a(2) = 8\}, ogf ]$   
A084150 16.0521  $[ x^2/(x-1)/(7*x^2+2*x-1) ogf ]$   
A084150 17.6114  $-(-3-10*x+21*x^2)/(x-1)/(7*x^2+2*x-1)$  lgdogf  
A084150 5.98305  $[ \{a(n+3)-3*a(n+2)-5*a(n+1)+7*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}, ogf ]$   
A084151 13.6889  $[ -x^2/(3*x-1)/(x^2-6*x+1) ogf ]$   
A084151 5.17958  $[ \{a(n+3)-9*a(n+2)+19*a(n+1)-3*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}, ogf ]$   
A084152 16.2905  $[ x^2/(x-1)/(2*x+1)/(4*x-1) ogf ]$   
A084152 6.07191  $[ \{a(n+3)-3*a(n+2)-6*a(n+1)+8*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}, ogf ]$   
A084153 14.0249  $[ x^2/(2*x-1)/(5*x-1)/(x+1) ogf ]$   
A084153 17.2645  $-6*(-1+x+5*x^2)/(2*x-1)/(5*x-1)/(x+1)$  lgdogf  
A084153 5.81211  $[ \{-a(n+3)+6*a(n+2)-3*a(n+1)-10*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}, ogf ]$   
A084154 10.0750  $[ -x*(2*x^2-2*x+1)/(2*x^2-1)/(2*x^2-4*x+1) ogf ]$   
A084154 8.71762  $-2*(2*x-1)*(4*x^4-8*x^3+8*x^2-4*x-1)/(2*x^2-1)/(2*x^2-4*x+1)/(2*x^2-2*x+1)$  lgdogf  
A084155 7.92347  $[ -x*(5*x^2-4*x+1)/(7*x^2-6*x+1)/(x^2+2*x-1) ogf ]$   
A084156 8.43869  $-2*(1+5*x-26*x^2+30*x^3-27*x^4+9*x^5)/(-1+3*x^2)/(3*x^2-2*x+1)/(1-4*x+x^2)$  lgdogf  
A084156 8.56918  $[ -x*(3*x^2-2*x+1)/(x^2-4*x+1)/(3*x^2-1) ogf ]$   
A084157 7.62043  $-4*(1-5*x+4*x^2+12*x^3-36*x^4+36*x^5)/(2*x-1+2*x^2)/(6*x^2-4*x+1)/(6*x^2-6*x+1)$  lgdogf  
A084157 9.12569  $[ -x*(6*x^2-4*x+1)/(2*x^2+2*x-1)/(6*x^2-6*x+1) ogf ]$   
A084158 13.4632  $[ x/(x+1)/(x^2-6*x+1) ogf ]$   
A084158 17.5462  $-(-5-10*x+3*x^2)/(x+1)/(x^2+1-6*x)$  lgdogf  
A084158 5.45805  $[ \{-a(n+3)+5*a(n+2)+5*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 5\}, ogf ]$   
A084159 13.3109  $-(3+15*x-3*x^2+x^3)/(x-1)/(x+1)/(1-6*x+x^2)$  lgdogf  
A084159 5.17299  $[ \{a(n+3)-5*a(n+2)-5*a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 21\}, ogf ]$   
A084159 9.58275  $[ (x-1)^2/(x+1)/(x^2-6*x+1) ogf ]$   
A084169 8.30242  $-2*(1+11*x+8*x^2-8*x^3-4*x^4+8*x^5)/(4*x^2+4*x-1)/(2*x^2-1)/(x^2-2*x-1)$  lgdogf  
A084169 9.07392  $[ -x*(2*x^2-1)/(4*x^2+4*x-1)/(x^2-2*x-1) ogf ]$   
A084170 12.6469  $[ (x^2+1)/(x-1)/(2*x-1)/(x+1) ogf ]$   
A084170 14.4288  $-2*(-1-2*x+x^4+4*x^2)/(x-1)/(2*x-1)/(x+1)/(x^2+1)$  lgdogf  
A084170 6.43638  $[ \{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 1, a(1) = 2, a(2) = 6\}, ogf ]$   
A084171 12.4791  $[ (2*x^2-2*x+1)/(3*x-1)/(2*x-1) ogf ]$   
A084171 14.7355  $(3-8*x+2*x^2)/(-1+3*x)/(2*x-1)/(2*x^2-2*x+1)$  lgdogf  
A084171 6.42130  $[ \{-a(n+3)+5*a(n+2)-6*a(n+1), a(0) = 1, a(1) = 3, a(2) = 11\}, ogf ]$   
A084172 11.7483  $-(-2+2*x-x^3+4*x^5+x^2)/(x-1)/(2*x-1)/(x+1)/(2*x^3-x^2-x+1)$  lgdogf  
A084172 4.97895  $[ \{-a(n+4)+3*a(n+3)-a(n+2)-3*a(n+1)+2*a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9\}, ogf ]$   
A084172 9.18196  $[ -(2*x^3-x^2-x+1)/(x+1)/(2*x-1)/(x-1)^2 ogf ]$   
A084173 3.63385  $[ \{(-2*n-4)*a(n+1)+a(n+2)*n+(2*n+3)*a(n+3)+(-n-1)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 13\}, ogf ]$

A084173 9.40819 [  $-(4*x^3-3*x^2+1)/(x+1)/(2*x-1)/(x-1)^2$  ogf]  
A084173 9.75452  $-(3+5*x-4*x^4+9*x^3+8*x^5-7*x^2)/(x-1)/(2*x-1)/(x+1)/(4*x^3-3*x^2+1)$  lgdogf  
A084174 10.2420  $-(-1-x-8*x^3+6*x^4+2*x^5+6*x^2)/(x-1)/(2*x-1)/(x+1)/(x^3+x^2-2*x+1)$  lgdogf  
A084174 3.72382 [  $\{(2*n+4)*a(n+1)-a(n+2)*n+(-2*n-3)*a(n+3)+(n+1)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 6\}$ , ogf]  
A084174 9.09194 [  $-(x^3+x^2-2*x+1)/(x+1)/(2*x-1)/(x-1)^2$  ogf]  
A084175 14.5923 [  $x/(x-1)/(2*x+1)/(4*x-1)$  ogf]  
A084175 16.1749  $-3*(-1-4*x+8*x^2)/(x-1)/(2*x+1)/(-1+4*x)$  lgdogf  
A084175 5.91578 [  $\{-a(n+3)+3*a(n+2)+6*a(n+1)-8*a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$ , ogf]  
A084177 10.8120 [  $-x*(x-1)/(2*x-1)/(5*x-1)/(x+1)$  ogf]  
A084177 12.3538  $-(5-6*x+20*x^3-27*x^2)/(x-1)/(2*x-1)/(5*x-1)/(x+1)$  lgdogf  
A084177 5.59909 [  $\{-a(n+3)+6*a(n+2)-3*a(n+1)-10*a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$ , ogf]  
A084178 13.2234 [  $-x*(x+1)/(2*x+1)/(x^2+x-1)$  ogf]  
A084178 20.0877  $-x*(6+4*x^2+9*x)/(2*x+1)/(x+1)/(x^2+x-1)$  lgdogf  
A084178 6.85213 [  $\{a(n+3)+a(n+2)-3*a(n+1)-2*a(n), a(0) = 0, a(1) = 1, a(2) = 0\}$ , ogf]  
A084179 16.4564 [  $-x/(2*x+1)/(x^2+x-1)$  ogf]  
A084179 23.8296  $-(-1+6*x+6*x^2)/(2*x+1)/(x^2+x-1)$  lgdogf  
A084179 6.67150 [  $\{-a(n+3)-a(n+2)+3*a(n+1)+2*a(n), a(0) = 0, a(1) = 1, a(2) = -1\}$ , ogf]  
A084180 4.71397 [  $2*x/(4*x-1)/(x-1)$  ogf]  
A084180 6.94674  $-(-5+8*x)/(4*x-1)/(-1+x)$  lgdogf  
A084181 12.6018 [  $-(4*x^2+2*x+1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A084181 6.86347 [  $\{-a(n+3)-a(n+2)+4*a(n+1)+4*a(n), a(0) = 1, a(1) = 1, a(2) = 7\}$ , ogf]  
A084182 13.1654 [  $-(3*x^2+1)/(x+1)/(3*x-1)$  ogf]  
A084182 15.8018  $2*(-1-6*x+3*x^2)/(3*x-1)/(x+1)/(3*x^2+1)$  lgdogf  
A084182 6.26315 [  $\{-a(n+3)+2*a(n+2)+3*a(n+1), a(0) = 1, a(1) = 2, a(2) = 10\}$ , ogf]  
A084183 11.1216  $-(-1+12*x+16*x^3+8*x^4+22*x^2)/(2*x+1)/(2*x-1)/(x+1)/(2*x^2+2*x+1)$  lgdogf  
A084183 11.2844 [  $-x*(2*x^2+2*x+1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A084183 5.59911 [  $\{-a(n+4)-a(n+3)+4*a(n+2)+4*a(n+1), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 5\}$ , ogf]  
A084184 12.7180 [  $x*(2*x^2+2*x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A084184 9.23437  $-2*(-1-7*x+8*x^5+8*x^3+12*x^4-5*x^2)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(2*x^2+2*x+1)$  lgdogf  
A084211 7.13269  $1+(-2-18*x+20*x^2)*f(x)+(61*x^2-180*x^3+1+18*x+100*x^4)*f(x)^2$  lgdogf  
A084213 12.4124 [  $(2*x^2-2*x+1)/(4*x-1)/(2*x-1)$  ogf]  
A084213 6.38695 [  $\{-a(n+3)+6*a(n+2)-8*a(n+1), a(0) = 1, a(1) = 4, a(2) = 18\}$ , ogf]  
A084214 14.9850 [  $-(x^2+1)/(x+1)/(2*x-1)$  ogf]  
A084214 21.1847  $(-1-6*x+x^2)/(2*x-1)/(x+1)/(x^2+1)$  lgdogf  
A084214 7.19870 [  $\{-a(n+3)+a(n+2)+2*a(n+1), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A084215 19.6100 [  $-(x^2+1)/(2*x-1)$  ogf]  
A084215 28.2109  $2*(-1-x+x^2)/(2*x-1)/(x^2+1)$  lgdogf  
A084215 9.57155 [  $\{-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A084219 11.5632 [  $-(x+1)^2/(x-1)/(2*x+1)^2$  ogf]  
A084219 18.4720  $-(-1+5*x+2*x^2)/(x-1)/(2*x+1)/(x+1)$  lgdogf  
A084219 6.51967 [  $\{a(n+3)+3*a(n+2)-4*a(n), a(0) = 1, a(1) = -1, a(2) = 4\}$ , ogf]  
A084221 12.5627 [  $\{a(n+2)-4*a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A084221 16.4563  $-1/2*\ln(5/2)+1/2*\ln(3/2+2*x+(1+4*x^2+6*x)^(1/2))$  revevfg  
A084221 19.6100 [  $-(3*x+1)/(2*x-1)/(2*x+1)$  ogf]  
A084221 20.2540  $-(3+8*x+12*x^2)/(2*x+1)/(2*x-1)/(3*x+1)$  lgdogf  
A084222 15.5503 [  $-(4*x+1)/(3*x+1)/(x-1)$  ogf]  
A084222 17.3750  $1/2/(4+3*x)*(-1+2*x+(1+12*x+16*x^2)^(1/2))$  revogf

A084222 19.2040  $-2*(1+3*x+6*x^2)/(x-1)/(3*x+1)/(4*x+1)$  lgdogf  
A084222 8.53368  $[{-a(n+2)-2*a(n+1)+3*a(n), a(0) = 1, a(1) = 2}],$  ogf]  
A084231 5.08343  $[{a(n+3)-195*a(n+2)+195*a(n+1)-a(n), a(0) = 1, a(1) = 337, a(2) = 65521}],$  ogf]  
A084231 9.25640  $[ -(x^2+142*x+1)/(x-1)/(x^2-194*x+1)$  ogf]  
A084232 12.3336  $-1/2*(-1-194*x+((168*x+1)*(224*x+1))^(1/2))/(x-1)$  revogf  
A084232 13.0830  $[ (x+1)/(x^2-194*x+1)$  ogf]  
A084232 17.7748  $-(x+15)*(x-13)/(x+1)/(x^2-194*x+1)$  lgdogf  
A084232 7.15001  $[{-a(n+2)+194*a(n+1)-a(n), a(0) = 1, a(1) = 195}],$  ogf]  
A084240 16.2181  $[ (5*x+1)/(x+1)/(4*x+1)$  ogf]  
A084240 17.6544  $-1/2*(5*x-1+((1+x)*(1+9*x))^(1/2))/(-5+4*x)$  revogf  
A084240 9.01005  $[{-a(n+2)-5*a(n+1)-4*a(n), a(0) = 1, a(1) = 0}],$  ogf]  
A084241 17.0365  $1/8*(-5*x+1+(x-1)^(1/2)*(-1+9*x)^(1/2))/x$  revogf  
A084241 18.0953  $[ x/(x+1)/(4*x+1)$  ogf]  
A084241 31.7499  $-(5+8*x)/(x+1)/(4*x+1)$  lgdogf  
A084241 8.26577  $[{-a(n+2)-5*a(n+1)-4*a(n), a(0) = 0, a(1) = 1}],$  ogf]  
A084244 19.3296  $[ (8*x+1)/(3*x+1)$  ogf]  
A084244 19.6016  $-1/16+3/16*x+1/16*(1+26*x+9*x^2)^(1/2)$  revogf  
A084244 43.8153  $5/(3*x+1)/(8*x+1)$  lgdogf  
A084244 9.93329  $[{a(n+2)+3*a(n+1), a(0) = 1, a(1) = 5}],$  ogf]  
A084247 16.2996  $[ -(3*x+1)/(2*x+1)/(x-1)$  ogf]  
A084247 19.8923  $1/2/(3+2*x)*(x-1+((1+x)*(1+9*x))^(1/2))$  revogf  
A084247 20.4158  $-2*(1+2*x+3*x^2)/(x-1)/(2*x+1)/(3*x+1)$  lgdogf  
A084247 8.94491  $[{a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = 2}],$  ogf]  
A084253 12.0480  $(-6+8*x-9*x^2+3*x^3)/(x-1)/(3*x^3-5*x^2+2*x+2)$  lgdegf  
A084253 9.28185  $[ 1/2*(3*x^3-5*x^2+2*x+2)/(x-1)^2$  egf]  
A084259 4.67866  $[{-n^3-10*n^2-31*n-30}*a(n+1)+a(n+2), a(0) = 6, a(1) = 48],$  ogf]  
A084261 4.12462  $[{(-n-2)*a(n+1)+(n+2)*a(n+2)-2*a(n+4)+4*a(n+3), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 4}],$  ogf]  
A084262 30.0643  $-2+2*x+(1-2*x)*f(x)$  lgdegf  
A084262 4.35074  $[{(-2*n-4)*a(n+1)+(2*n+6)*a(n+2)-a(n+3), a(0) = 1, a(1) = 2, a(2) = 6}],$  ogf]  
A084263 13.7326  $[ -(2*x^2-x+1)/(x+1)/(x-1)^3$  ogf]  
A084263 19.5650  $-(1+6*x+4*x^3+x^2)/(x-1)/(x+1)/(2*x^2-x+1)$  lgdogf  
A084264 10.0057  $[ (x-1)*(4*x^2-3*x+1)/(2*x-1)^3$  ogf]  
A084264 17.6136  $2*(1-x+x^2)/(x-1)/(2*x-1)/(4*x^2-3*x+1)$  lgdogf  
A084264 5.22685  $[{a(n+4)-6*a(n+3)+12*a(n+2)-8*a(n+1), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 22}],$  ogf]  
A084265 13.0102  $[ (x^3-2*x^2-1)/(x+1)/(x-1)^3$  ogf]  
A084265 16.9328  $-(-2-8*x-2*x^3+x^4-x^2)/(x-1)/(x+1)/(x^3-2*x^2-1)$  lgdogf  
A084266 10.1019  $[ (4*x^3-5*x^2+3*x-1)/(2*x-1)^3$  ogf]  
A084266 16.1317  $-(-3+2*x+2*x^2)/(2*x-1)/(4*x^3-5*x^2+3*x-1)$  lgdogf  
A084266 5.23802  $[{a(n+4)-6*a(n+3)+12*a(n+2)-8*a(n+1), a(0) = 1, a(1) = 3, a(2) = 11, a(3) = 34}],$  ogf]  
A084267 14.2991  $[x^11-x^9-x^5+x^4+x^2+x+2$  ogf\_with\_Euler\_transform]  
A084267 5.48387  $[ (x^4-x^3+x^2-x+1)/(x^2+1)/(x^2+x+1)/(x^4-x^2+1)/(x-1)^4$  ogf]  
A084267 6.14903  $-(2*x+10*x^6-x^3+4*x^4-6*x^5+3*x^2+8*x^12-6*x^11+10*x^10-13*x^9+15*x^8-4*x^7+2)/(x-1)/(x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  lgdogf  
A084326 12.9964  $-1/8*(-1-6*x+(2*x+1)^(1/2)*(10*x+1)^(1/2))/x$  revogf  
A084326 21.3796  $[ x/(4*x^2-6*x+1)$  ogf]  
A084326 22.8737  $-2*(-3+4*x)/(4*x^2+1-6*x)$  lgdogf  
A084326 8.71021  $[{a(n+2)-6*a(n+1)+4*a(n), a(0) = 0, a(1) = 1}],$  ogf]  
A084327 5.34633  $[ x/(9*x^2-9*x+1)$  ogf]  
A084327 7.04058  $-9*(2*x-1)/(9*x^2+1-9*x)$  lgdogf  
A084328 12.7176  $-1/22*(-1-13*x+(1+26*x+125*x^2)^(1/2))/x$  revogf  
A084328 14.7822  $[ x/(11*x^2-13*x+1)$  ogf]  
A084328 6.23345  $[{a(n+2)-13*a(n+1)+11*a(n), a(0) = 0, a(1) = 1}],$  ogf]  
A084329 12.6786  $-1/40*(-1-20*x+(1+40*x+320*x^2)^(1/2))/x$  revogf  
A084329 14.7327  $[ x/(20*x^2-20*x+1)$  ogf]

A084329 18.1123  $-20*(-1+2*x)/(20*x^2+1-20*x)$  lgdogf  
A084329 6.21258  $[{a(n+2)-20*a(n+1)+20*a(n), a(0) = 0, a(1) = 1}],$  ogf]  
A084330 16.4028  $-1/58*(-1-31*x+(1+62*x+845*x^2)^(1/2))/x$  revogf  
A084330 18.9939  $[x/(29*x^2-31*x+1)$  ogf]  
A084330 24.3005  $-(-31+58*x)/(29*x^2+1-31*x)$  lgdogf  
A084330 8.00946  $[{a(n+2)-31*a(n+1)+29*a(n), a(0) = 0, a(1) = 1}],$  ogf]  
A084338 13.3567  $[-(2*x^2+2*x+1)/(x^3+x^2-1)$  ogf]  
A084338 14.3482  $-(2+6*x+2*x^4+4*x^3+5*x^2)/(2*x^2+2*x+1)/(x^3+x^2-1)$  lgdogf  
A084338 8.09928  $[{-a(n+3)+a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 3}],$  ogf]  
A084351 6.78560  $4*(1+2*x^9+12*x^7+6*x+3*x^8+5*x^6+20*x^3+12*x^4+24*x^5+3*x^2)/(x-1)/(x+1)/(x^2+1)/(3*x^8-4*x^6-4*x^5-18*x^4-4*x^3-12*x^2-4*x-1)$  lgdogf  
A084351 8.87216  $[-(3*x^8-4*x^6-4*x^5-18*x^4-4*x^3-12*x^2-4*x-1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A084357 21.0700  $1/\exp(1)/(x-1)^2*\exp(-1/(x-1))$  lgdegf  
A084364 8.38833  $[-(91*x^8+82*x^7+73*x^6+64*x^5+55*x^4+46*x^3+37*x^2+28*x+19)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A084367 18.7643  $-2*(25+22*x+x^2)/(-1+x)/(x^2+14*x+9)$  lgdogf  
A084367 9.27274  $[x*(x^2+14*x+9)/(x-1)^4$  ogf]  
A084376 17.4914  $[-(x^2-2*x+2)/(x-1)$  ogf\_with\_Euler\_transform]  
A084377 14.1880  $-2*(-4+5*x+3*x^3-16*x^2)/(x-1)/(6*x^3-25*x^2+20*x-7)$  lgdogf  
A084377 3.74394  $[{(1183*n^2+6491*n+8250)*a(n+1)+(-2081*n^2-8845*n-7902)*a(n+2)+(898*n^2+3209*n+1545)*a(n+3), a(0) = 7, a(1) = 8, a(2) = 15}],$  ogf]  
A084377 9.52572  $[-(6*x^3-25*x^2+20*x-7)/(x-1)^4$  ogf]  
A084378 15.0506  $-(-11-5*x+3*x^3-11*x^2)/(x-1)/(3*x^3-10*x^2+5*x-4)$  lgdogf  
A084378 3.95863  $[{(265*n^2+1409*n+1758)*a(n+1)+(-407*n^2-1525*n-1122)*a(n+2)+(142*n^2+485*n+177)*a(n+3), a(0) = 3, a(1) = 4, a(2) = 11}],$  ogf]  
A084378 9.99808  $[-(2*x^3-13*x^2+8*x-3)/(x-1)^4$  ogf]  
A084379 13.2554  $-(-25+37*x+17*x^3-53*x^2)/(x-1)/(17*x^3-52*x^2+47*x-18)$  lgdogf  
A084379 9.38159  $[-(16*x^3-55*x^2+50*x-17)/(x-1)^4$  ogf]  
A084380 17.3863  $-2*(x-5)*(x^2+x+1)/(x-1)/(2*x^3-7*x^2+2*x-3)$  lgdogf  
A084380 3.95863  $[{(547*n^2+2849*n+3510)*a(n+1)+(-764*n^2-2560*n-1488)*a(n+2)+(217*n^2+701*n+150)*a(n+3), a(0) = 2, a(1) = 3, a(2) = 10}],$  ogf]  
A084380 9.99808  $[-(x^3-10*x^2+5*x-2)/(x-1)^4$  ogf]  
A084381 15.3578  $-(-13+x+5*x^3-17*x^2)/(x-1)/(5*x^3-16*x^2+11*x-6)$  lgdogf  
A084381 3.91884  $[{(643*n^2+3491*n+4410)*a(n+1)+(-1082*n^2-4429*n-3756)*a(n+2)+(439*n^2+1550*n+699)*a(n+3), a(0) = 5, a(1) = 6, a(2) = 13}],$  ogf]  
A084381 9.87152  $[-(4*x^3-19*x^2+14*x-5)/(x-1)^4$  ogf]  
A084382 14.4718  $-2*(-7+2*x+3*x^3-10*x^2)/(x-1)/(6*x^3-19*x^2+14*x-7)$  lgdogf  
A084382 3.78568  $[{(3571*n^2+19505*n+24726)*a(n+1)+(-6164*n^2-25792*n-22560)*a(n+2)+(2593*n^2+9221*n+4326)*a(n+3), a(0) = 6, a(1) = 7, a(2) = 14}],$  ogf]  
A084382 9.87152  $[-(5*x^3-22*x^2+17*x-6)/(x-1)^4$  ogf]  
A084385 7.12779  $[-(2*x^10-5*x^9+2*x^8+2*x^7-2*x^6+3*x^5-3*x^4+x^3-2*x^2-x-1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A084386 25.5004  $[ -1/(3*x^3+x-1)$  ogf]  
A084386 31.5344  $- (1+9*x^2)/(-1+x+3*x^3)$  lgdogf  
A084386 7.86716  $[{-a(n+3)+a(n+2)+3*a(n), a(0) = 1, a(1) = 1, a(2) = 1}],$  ogf]  
A084391 7.74965  $2*(1+3*x+33*x^4+12*x^3+36*x^9-18*x^8+12*x^6+6*x^2)/(6*x^4-1)/(6*x^6-6*x^5-4*x^3-3*x^2-2*x-1)$  lgdogf  
A084391 9.96600  $[ (6*x^6-6*x^5-4*x^3-3*x^2-2*x-1)/(6*x^4-1)$  ogf]  
A084399 2.99032  $[-(3*x^3-23*x^2+4*x+11)/(3*x^2-1)$  ogf\_with\_Euler\_transform]  
A084399 7.58333  $- (11+8*x)/(x+1)/(2*x-1)$  lgdogf  
A084431 14.0864  $[ -(x+1)*(5*x+1)/(2*x-1)/(2*x+1)$  ogf]  
A084431 14.7064  $-6*(1+3*x+4*x^2)/(5*x+1)/(2*x+1)/(2*x-1)/(x+1)$  lgdogf  
A084431 8.21705  $[{a(n+3)-4*a(n+1), a(0) = 1, a(1) = 6, a(2) = 9}],$  ogf]  
A084439 10.8892  $- (3+6*x+14*x^6+17*x^5+20*x^4+15*x^3+15*x^2)/(x-1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A084439 29.2719  $[x^4+2*x^2+3$  ogf\_with\_Euler\_transform]  
A084439 6.56759  $[ 1/(x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^6$  ogf]  
A084446 21.5306  $[x^6+2*x^4+3*x^2+4$  ogf\_with\_Euler\_transform]  
A084477 14.9757  $[1-4*x+12*x^2)/(6*x-1)/(2*x^2+11*x-2)$  lgdogf  
A084477 15.0640  $[ 2*(2*x^2+11*x-2)/(6*x-1)$  ogf]

A084477 8.24932 [  $\{-a(n+3)+6*a(n+2), a(0) = 4, a(1) = 2, a(2) = 8\}$ , ogf]  
A084478 8.20142 [  $-24*(15*x^2+10*x+3)/(380*x^4+280*x^3+103*x^2+2*x-1)$  ogf]  
A084479 6.58169  $-8*(x+1)*(75*x^4+75*x^3+55*x^2+25*x+2)/(15*x^2+10*x+3)/$   
 $(20*x^4+40*x^3+31*x^2+2*x-1)$  lgdogf  
A084479 9.02609 [  $-24*(15*x^2+10*x+3)/(20*x^4+40*x^3+31*x^2+2*x-1)$  ogf]  
A084480 6.83629  $-(5-3*x+12*x^6+6*x^8+10*x^7+2*x^9-10*x^3+2*x^4+2*x^5)/(x+1)/$   
 $(x^3+x-1)/(2*x^6+4*x^5+4*x^4+x^3-2*x^2-4*x+1)$  lgdogf  
A084480 8.59631 [  $-(x^3+2*x-1)/(2*x^6+4*x^5+4*x^4+x^3-2*x^2-4*x+1)$  ogf]  
A084481 10.3072 [  $2*(x^3+x-1)*(x+1)^2/(x^3+2*x-1)$  ogf]  
A084481 10.7868  $(3-5*x+4*x^2-2*x^3+8*x^4+2*x^6)/(x+1)/(x^3+x-1)/(x^3+2*x-1)$   
lgdogf  
A084485 6.77958 [  $(33*x^4-17*x^3+3*x^2-3*x+1)/(3*x-1)^3/(2*x-1)^3$  ogf]  
A084500 4.82902 [  $-x*(x^24-x^23+x^21-x^20+x^18-x^17+x^15-x^14+x^12-x^11+x^9-$   
 $x^8+x^7+x^4-x^3-x-1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A084506 14.0968  $(-2+8*x^9-9*x^8+32*x^33-33*x^32+2*x^3-3*x^2)/(x-1)/$   
 $(x^33+x^9+x^3+x+1)$  lgdogf  
A084506 15.9886 [  $-(x^33+x^9+x^3+x+1)/(x-1)$  ogf]  
A084508 11.2378 [  $-x*(2*x^2+2*x-1)/(4*x-1)/(x-1)$  ogf]  
A084508 14.3386  $-3*(1-4*x+6*x^2)/(x-1)/(4*x-1)/(2*x^2+2*x-1)$  lgdogf  
A084508 5.66865 [  $\{a(n+4)-5*a(n+3)+4*a(n+2), a(0) = 0, a(1) = 1, a(2) = 3, a(3) =$   
 $9\}$ , ogf]  
A084509 13.8422 [  $(2*x^2+2*x-1)/(4*x-1)$  ogf]  
A084509 16.0575  $2*(1-2*x+4*x^2)/(-1+4*x)/(2*x-1+2*x^2)$  lgdogf  
A084509 7.41545 [  $\{-a(n+3)+4*a(n+2), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A084515 11.6744 [  $x*(x^18+x^5+x^2+x+1)/(x-1)^2$  ogf]  
A084515 13.9610  $(-3-3*x+16*x^18-18*x^17-5*x^4+3*x^5)/(x-1)/(x^18+x^5+x^2+x+1)$   
lgdogf  
A084518 10.6065 [  $-(2*x^2+2*x-1)/(x-1)/(2*x^3+2*x^2+3*x-1)$  ogf]  
A084518 8.80721  $-2*(2*x^2+1)*(2*x^3+3*x^2-3*x+1)/(x-1)/(2*x^2+2*x-1)/$   
 $(2*x^3+2*x^2+3*x-1)$  lgdogf  
A084519 10.4482 [  $(2*x^2+2*x-1)/(2*x^3+2*x^2+3*x-1)$  ogf]  
A084519 10.9555  $-(-1-8*x^2+8*x^3+4*x^4)/(2*x^2+2*x-1)/(2*x^3+2*x^2+3*x-1)$  lgdogf  
A084519 5.69052 [  $\{-a(n+3)+3*a(n+2)+2*a(n+1)+2*a(n), a(0) = 1, a(1) = 1, a(2) =$   
 $3\}$ , ogf]  
A084525 11.4612 [  $x*(x^17+x^5+x^2+x+1)/(x-1)^2$  ogf]  
A084525 13.7032  $(-3-3*x+15*x^17-17*x^16-5*x^4+3*x^5)/(x-1)/(x^17+x^5+x^2+x+1)$   
lgdogf  
A084537 3.85113 [  $-(3*x^2-2*x+1)/(x-1)^3$  ogf]  
A084537 6.35871  $-(1+2*x+3*x^2)/(-1+x)/(3*x^2-2*x+1)$  lgdogf  
A084543 12.7893  $-(-3+14*x)/(2*x-1)/(2*x+1)$  lgdegf  
A084544 4.35891 [  $(60*x^20+6*x^16+x^15+x^14+x^13+7*x^12+x^11+x^10+x^9+7*x^8+x^7+x^6+x^5+7*x^4+x^3+$   
 $x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A084556 14.0968  $(-2+8*x^9-9*x^8+32*x^33-33*x^32+2*x^3-3*x^2)/(x-1)/$   
 $(x^33+x^9+x^3+x+1)$  lgdogf  
A084556 14.7260 [  $-x*(x^33+x^9+x^3+x+1)/(x-1)$  ogf]  
A084557 4.82902 [  $-x*(x^24-x^23+x^21-x^20+x^18-x^17+x^15-x^14+x^12-x^11+x^9-$   
 $x^8+x^7+x^4-x^3-x-1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A084558 18.3524  $(-2+4*x^5-5*x^4+22*x^23-23*x^22)/(x-1)/(x^23+x^5+x+1)$  lgdogf  
A084567 15.4762 [  $-(2*x+1)/(3*x+1)/(x-1)$  ogf]  
A084567 17.7988  $1/2/(2+3*x)*(-1+2*x+(4*x+1+16*x^2)^(1/2))$  revogf  
A084567 22.8047  $-6*x*(x+1)/(x-1)/(2*x+1)/(3*x+1)$  lgdogf  
A084567 8.59790 [  $\{-a(n+2)-2*a(n+1)+3*a(n), a(0) = 1, a(1) = 0\}$ , ogf]  
A084568 14.0163 [  $-(x+1)*(4*x+1)/(2*x-1)/(2*x+1)$  ogf]  
A084568 14.6318  $-(5+16*x+20*x^2)/(4*x+1)/(2*x+1)/(2*x-1)/(x+1)$  lgdogf  
A084568 8.17617 [  $\{a(n+3)-4*a(n+1), a(0) = 1, a(1) = 5, a(2) = 8\}$ , ogf]  
A084569 10.1761 [  $-(2*x^2-x+1)/(x+1)/(x-1)^5$  ogf]  
A084569 17.4707  $-(3+6*x+8*x^3+3*x^2)/(x-1)/(x+1)/(2*x^2-x+1)$  lgdogf  
A084570 10.4915 [  $(2*x^2-x+1)/(x+1)/(x-1)^4$  ogf]  
A084570 18.8697  $-2*(3*x+1)*(1+x^2)/(x-1)/(x+1)/(2*x^2-x+1)$  lgdogf  
A084601 27.9457  $-(1+7*x)/(7*x^2-1+2*x)$  lgdogf



A084601 4.15683 [  $\{(n+3)a(n+3)+(-5-2^n)a(n+2)+(-14-7^n)a(n+1), a(0) = 1, a(1) = 1, a(2) = 5\}$ , ogf]  
A084603 25.8217  $-(1+11^x)/(11x^2-1+2^x)$  lgdogf  
A084603 4.16074 [  $\{(n+3)a(n+3)+(-5-2^n)a(n+2)+(-22-11^n)a(n+1), a(0) = 1, a(1) = 1, a(2) = 7\}$ , ogf]  
A084605 24.0806  $-(1+15^x)/(3x+1)/(5x-1)$  lgdogf  
A084605 4.04313 [  $\{(n+3)a(n+3)+(-5-2^n)a(n+2)+(-30-15^n)a(n+1), a(0) = 1, a(1) = 1, a(2) = 9\}$ , ogf]  
A084607 6.94674  $-2*(2^x+1)/(4x^2-1+4^x)$  lgdogf  
A084609 24.2131  $-2*(1+4^x)/(8x^2-1+4^x)$  lgdogf  
A084609 3.87895 [  $\{(n+3)a(n+3)+(-10-4^n)a(n+2)+(-16-8^n)a(n+1), a(0) = 1, a(1) = 2, a(2) = 10\}$ , ogf]  
A084630 6.91616 [  $-(x^{10}-x^9+x^7-x^6+x^5-x^4+x^3-x+1)/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{12}-x^{11}+x^9-x^8+x^6-x^4+x^3-x+1)/(x-1)^3$  ogf]  
A084633 16.7698 [  $(2^x+2^{2x+1})/(2^x+1)$  ogf]  
A084633 25.8221  $4*x*(x+1)/(2^x+1)/(2^x+2^{2x+1})$  lgdogf  
A084633 9.09206 [  $\{-a(n+3)-2a(n+2), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf]  
A084634 11.1483 [  $(3^x+2-3^x+1)/(2^x-1)/(x-1)^3$  ogf]  
A084634 14.5240  $-(2+8^x-15x^2+12x^3)/(x-1)/(-1+2^x)/(3^x+2-3^x+1)$  lgdogf  
A084634 4.99501 [  $\{(-2^n-4)a(n+1)+(3^{n+2})a(n+2)-a(n+3)*n, a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9\}$ , ogf]  
A084635 7.11012 [  $-(5^x+4-10x^3+10x^2-5x+1)/(2^x-1)/(x-1)^4$  ogf]  
A084635 8.55467  $-(1+5^x-10x^4+10x^3+10x^5-10x^2)/(x-1)/(2^x-1)/(5^x+4-10x^3+10x^2-5x+1)$  lgdogf  
A084636 5.56195 [  $(2^x+2-2^x+1)*(x^4-2^x+3+5^x+2-4^x+1)/(2^x-1)/(x-1)^5$  ogf]  
A084636 7.59348  $-(1+6^x-15x^4+20x^3+10x^6-15x^2)/(x-1)/(2^x-1)/(2^x+2-2^x+1)/(x^4-2^x+3+5^x+2-4^x+1)$  lgdogf  
A084637 5.81587 [  $-(7^x+6-21x^5+35x^4-35x^3+21x^2-7x+1)/(2^x-1)/(x-1)^6$  ogf]  
A084637 6.31607  $-(1+7^x-35x^4+35x^3+14x^7-14x^6+21x^5-21x^2)/(x-1)/(2^x-1)/(7^x+6-21x^5+35x^4-35x^3+21x^2-7x+1)$  lgdogf  
A084638 4.84053 [  $(2^x+8-8^x+7+28x^6-56x^5+70x^4-56x^3+28x^2-8x+1)/(2^x-1)/(x-1)^7$  ogf]  
A084638 5.63183  $-(1+8^x-70x^4+56x^3+14x^8-28x^6+56x^5-28x^2)/(x-1)/(2^x-1)/(2^x+8-8^x+7+28x^6-56x^5+70x^4-56x^3+28x^2-8x+1)$  lgdogf  
A084639 13.9817 [  $x*(2^x+1)/(x-1)/(2^x-1)/(x+1)$  ogf]  
A084639 16.0485  $-2*(-2-x+4^x+2^x+2)/(x-1)/(2^x+1)/(2^x-1)/(x+1)$  lgdogf  
A084639 7.17979 [  $\{-a(n+3)+2a(n+2)+a(n+1)-2a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A084640 12.5861 [  $x*(3^x+1)/(x-1)/(2^x-1)/(x+1)$  ogf]  
A084640 14.1402  $-(5-2^x+12x^3+3x^2)/(x-1)/(2^x-1)/(3^x+1)/(x+1)$  lgdogf  
A084640 6.46314 [  $\{a(n+3)-2a(n+2)-a(n+1)+2a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$ , ogf]  
A084641 3.64255 [  $-x*(272x^6-816x^5+96x^4+1168x^3-606x^2-114x-1)/(2^x-1)^8$  ogf]  
A084642 10.3260 [  $\{-a(n+4)+a(n+2), a(0) = 1, a(1) = 3, a(2) = 1, a(3) = 2\}$ , ogf]  
A084642 20.2305 [  $(x^3-3x-1)/(x-1)/(x+1)$  ogf]  
A084642 27.7908  $(3+2^x+x^4)/(x-1)/(x+1)/(x^3-3x-1)$  lgdogf  
A084643 10.7476  $-(3+17^x-44x^2+48x^3)/(3^x-1)/(-1+2^x)/(8^x+2-5^x+1)$  lgdogf  
A084643 5.25070 [  $\{a(n+3)-8a(n+2)+21a(n+1)-18a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]  
A084643 9.58460 [  $-(8^x+2-5^x+1)/(2^x-1)/(3^x-1)^2$  ogf]  
A084672 10.6865 [  $-(2^x+4+x^2+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A084672 15.1724  $-(2^x+2+1)*(x^2+2)*(x+1)^2/(x-1)/(x^2+x+1)/(2^x+4+x^2+1)$  lgdogf  
A084683 10.5201 [  $-(2^x+6+2^x+3+1)/(x-1)/(x^6-x^5-x^4+x^3-x^2-x+1)$  ogf]  
A084683 12.8827  $-(2-9^x+6+2^x+12)/(x-1)/(2^x+6+2^x+3+1)/(x^6-x^5-x^4+x^3-x^2-x+1)$  lgdogf  
A084684 22.3605 [  $-(2^x+3+1)/(x+1)/(x-1)^3$  ogf]  
A084684 5.56572 [  $\{(-n^2-7^n-10)a(n+1)+(n^2+5^n+2)a(n+2)+(n^2+7^n+8)a(n+3)+(-n^2-5^n-4)a(n+4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$ , ogf]  
A084703 11.2059  $-2*(18-35x-16x^2+x^3)/(x-1)/(x+1)/(x^2-34x+1)$  lgdogf

A084703 4.74957 [ $\{a(n+3)-35a(n+2)+35a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 144\}$ , ogf]  
A084703 9.25763 [ $-4x*(x+1)/(x-1)/(x^2-34x+1)$  ogf]  
A084707 12.3432  $-(3-14x^3+3x^6)/(x-1)/(x+1)/(x^2-3x+1)/(3x^3+1)$  lgdogf  
A084707 13.0557 [ $-(3x^3+1)/(x-1)/(x+1)/(x^2-3x+1)$  ogf]  
A084768 34.9003  $-(-7+x)/(x^2+1-14x)$  lgdogf  
A084768 4.64044 [ $\{(-n-3)*a(n+3)+(35+14n)*a(n+2)+(-2-n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 73\}$ , ogf]  
A084769 26.2072  $-(-9+x)/(x^2+1-18x)$  lgdogf  
A084769 3.47712 [ $\{(-n-3)*a(n+3)+(45+18n)*a(n+2)+(-2-n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 121\}$ , ogf]  
A084770 15.7300  $(-2x+(20x^2+1)^{(1/2)})/(1+16x^2)*x$  revogf  
A084770 22.6512  $-2*(1+8x)/(16x^2-1+4x)$  lgdogf  
A084770 3.75623 [ $\{(n+3)*a(n+3)+(-10-4n)*a(n+2)+(-32-16n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 14\}$ , ogf]  
A084771 25.7893  $-(-5+9x)/(9x-1)/(x-1)$  lgdogf  
A084771 3.92946 [ $\{(-n-3)*a(n+3)+(25+10n)*a(n+2)+(-18-9n)*a(n+1), a(0) = 1, a(1) = 5, a(2) = 33\}$ , ogf]  
A084772 13.0103  $-(-6x+(20x^2+1)^{(1/2)})x/(-1+4x)/(1+4x)$  revogf  
A084772 20.7201  $-2*(-3+8x)/(16x^2+1-12x)$  lgdogf  
A084772 3.68530 [ $\{(-n-3)*a(n+3)+(30+12n)*a(n+2)+(-32-16n)*a(n+1), a(0) = 1, a(1) = 6, a(2) = 46\}$ , ogf]  
A084773 19.6767  $-2*(-3+2x)/(4x^2+1-12x)$  lgdogf  
A084773 4.85531 [ $\{(-n-3)*a(n+3)+(30+12n)*a(n+2)+(-8-4n)*a(n+1), a(0) = 1, a(1) = 6, a(2) = 52\}$ , ogf]  
A084774 22.5208  $-(-7+9x)/(9x^2+1-14x)$  lgdogf  
A084774 3.58481 [ $\{(-n-3)*a(n+3)+(35+14n)*a(n+2)+(-18-9n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 69\}$ , ogf]  
A084804 7.92839 [ $-(6064x^6-5x^5-7x^4-6x^3-6x^2-6071x-1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A084812 5.70503 [ $-(x^{14}-x^{13}+x^{12}-x^9-3x^8+2x^7+8x^6-3x^5-x^4+3x^3-3x^2+2x+1)/(x+1)/(x-1)^3$  ogf]  
A084847 10.5225  $-2*(-2+18x+84x^3-63x^2)/(-1+3x)/(-1+4x)/(1+14x^2-7x)$  lgdogf  
A084847 5.46008 [ $\{a(n+3)-11a(n+2)+40a(n+1)-48a(n), a(0) = 1, a(1) = 4, a(2) = 18\}$ , ogf]  
A084847 9.74414 [ $-(14x^2-7x+1)/(3x-1)/(4x-1)^2$  ogf]  
A084849 13.3905 [ $-(2x^2+x+1)/(x-1)^3$  ogf]  
A084849 25.0418  $-2*(x+2)*(x+1)/(x-1)/(2x^2+x+1)$  lgdogf  
A084849 7.22852 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 11\}$ , ogf]  
A084850 10.5786 [ $-(2x^2-x+1)/(2x-1)^3$  ogf]  
A084850 21.4230  $-(5+4x^2)/(2x-1)/(2x^2-x+1)$  lgdogf  
A084850 5.75326 [ $\{a(n+3)-6a(n+2)+12a(n+1)-8a(n), a(0) = 1, a(1) = 5, a(2) = 20\}$ , ogf]  
A084851 11.4597 [ $-(x-1)^2/(2x-1)^3$  ogf]  
A084851 30.3057  $-2*(-2+x)/(2x-1)/(x-1)$  lgdogf  
A084851 6.23246 [ $\{a(n+3)-6a(n+2)+12a(n+1)-8a(n), a(0) = 1, a(1) = 4, a(2) = 13\}$ , ogf]  
A084857 11.3650 [ $-x*(4x+1)/(2x-1)^3$  ogf]  
A084857 24.9723  $-2*(5+8x)/(4x+1)/(2x-1)$  lgdogf  
A084857 5.83335 [ $\{a(n+3)-6a(n+2)+12a(n+1)-8a(n), a(0) = 0, a(1) = 1, a(2) = 10\}$ , ogf]  
A084858 13.2839 [ $(x^2-x+1)/(2x-1)^2$  ogf]  
A084858 6.90243 [ $\{a(n+3)-4a(n+2)+4a(n+1), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A084859 10.4820  $-2*(-2+10x-19x^2+15x^3)/(3x-1)/(-1+2x)/(5x^2-4x+1)$  lgdogf  
A084859 5.30597 [ $\{a(n+3)-8a(n+2)+21a(n+1)-18a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$ , ogf]  
A084859 9.68549 [ $-(5x^2-4x+1)/(2x-1)/(3x-1)^2$  ogf]  
A084860 11.0400 [ $-(x-1)*(x^2-x+1)/(2x-1)^2$  ogf]  
A084860 16.4958  $(2-3x^2+2x^3)/(x-1)/(-1+2x)/(x^2-x+1)$  lgdogf

A084860 5.85598 [ $\{a(n+4)-4a(n+3)+4a(n+2), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 15\}$ , ogf]  
A084861 15.0286  $(1+3*x-6*x^2+4*x^3)/(x-1)/(2*x-1)/(x^2-x+1)$  lgdogf  
A084861 5.19554 [ $\{-a(n+5)+4a(n+4)-4a(n+3), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 9, a(4) = 21\}$ , ogf]  
A084861 9.56280 [ $(x^2-x+1)*(x-1)^2/(2*x-1)^2$  ogf]  
A084868 11.5362  $-2*(2*x+(-4*x+1)^(1/2))/(4*x^2+4*x-1)*(2*x-1)/(4*x-1)$  lgdogf  
A084869 5.49189 [ $\{a(n+3)-9a(n+2)+26a(n+1)-24a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A084869 8.28870  $-(2-26*x+137*x^2-336*x^3+312*x^4)/(3*x-1)/(-1+2*x)/(-1+4*x)/(13*x^2-7*x+1)$  lgdogf  
A084869 9.78244 [ $-(13*x^2-7*x+1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A084870 4.63394 [ $-(3432*x^5-3340*x^4+1330*x^3-265*x^2+26*x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A084874 12.6554 [ $-9*x^2/(6*x-1)/(3*x-1)/(9*x-1)$  ogf]  
A084874 13.9574  $-18*(1-11*x+27*x^2)/(6*x-1)/(-1+3*x)/(9*x-1)$  lgdogf  
A084874 5.43961 [ $\{a(n+3)-18a(n+2)+99a(n+1)-162a(n), a(0) = 0, a(1) = 0, a(2) = 9\}$ , ogf]  
A084875 4.38828 [ $-x^2*(24300*x^3+648*x^2-273*x-1)/(18*x-1)/(9*x-1)/(6*x-1)/(3*x-1)/(14*x-1)/(27*x-1)$  ogf]  
A084879 5.37695 [ $\{a(n+3)-18a(n+2)+99a(n+1)-162a(n), a(0) = 1, a(1) = 3, a(2) = 18\}$ , ogf]  
A084879 7.91180  $-3*(1-24*x-1620*x^3+3402*x^4+279*x^2)/(6*x-1)/(-1+3*x)/(9*x-1)/(63*x^2-15*x+1)$  lgdogf  
A084879 9.38960 [ $-(63*x^2-15*x+1)/(6*x-1)/(3*x-1)/(9*x-1)$  ogf]  
A084880 3.92146 [ $-(514188*x^5-181764*x^4+27519*x^3-2074*x^2+74*x-1)/(18*x-1)/(9*x-1)/(6*x-1)/(3*x-1)/(14*x-1)/(27*x-1)$  ogf]  
A084899 11.1945 [ $-x*(3*x+1)/(2*x-1)^3$  ogf]  
A084899 23.6812  $-3*(4*x+3)/(3*x+1)/(-1+2*x)$  lgdogf  
A084899 5.79714 [ $\{a(n+3)-6a(n+2)+12a(n+1)-8a(n), a(0) = 0, a(1) = 1, a(2) = 9\}$ , ogf]  
A084900 10.9885 [ $-x*(2*x+1)/(3*x-1)^3$  ogf]  
A084900 23.6588  $-(11+12*x)/(2*x+1)/(-1+3*x)$  lgdogf  
A084900 5.68704 [ $\{a(n+3)-9a(n+2)+27a(n+1)-27a(n), a(0) = 0, a(1) = 1, a(2) = 11\}$ , ogf]  
A084901 10.2004 [ $-x*(x+1)/(4*x-1)^3$  ogf]  
A084901 26.2066  $-(13+8*x)/(x+1)/(4*x-1)$  lgdogf  
A084901 5.32197 [ $\{a(n+3)-12a(n+2)+48a(n+1)-64a(n), a(0) = 0, a(1) = 1, a(2) = 13\}$ , ogf]  
A084902 13.5312 [ $-x/(5*x-1)^3$  ogf]  
A084902 49.9809  $-15/(-1+5*x)$  lgdogf  
A084902 5.24917 [ $\{a(n+3)-15a(n+2)+75a(n+1)-125a(n), a(0) = 0, a(1) = 1, a(2) = 15\}$ , ogf]  
A084903 13.1654  $-(9-2*x+4*x^3-10*x^2)/(x-1)/(2*x-1)/(2*x^2-2*x-1)$  lgdogf  
A084903 3.50072 [ $\{(-20*n^2-112*n-144)*a(n+1)+(32*n^2+214*n+354)*a(n+2)+(-11*n^2-61*n-84)*a(n+3), a(0) = 1, a(1) = 9, a(2) = 44\}$ , ogf]  
A084903 8.22670 [ $(x-1)*(2*x^2-2*x-1)/(2*x-1)^4$  ogf]  
A084915 3.14488 [ $\{(-n^3-6*n^2-12*n-8)*a(n+1)+(n+1)*a(n+2), a(0) = 0, a(1) = 1\}$ , ogf]  
A084939 5.57347 [ $\{(3*n^2+11*n+10)*a(n+1)-2a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A084940 5.16740 [ $\{(5*n^2+17*n+14)*a(n+1)-2a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A084941 5.33235 [ $\{(3*n^2+10*n+8)*a(n+1)-a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A084942 4.49717 [ $\{(7*n^2+23*n+18)*a(n+1)-2a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A084943 4.71261 [ $\{(4*n^2+13*n+10)*a(n+1)-a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A084944 4.76647 [ $\{(9*n^2+29*n+22)*a(n+1)-2a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A084946 14.0458  $-2/(5*x-1)$  lgdegf  
A084947 12.2126  $-1/7*(1-5*x)^(2/5)+5/7*(1-5*x)^(2/5)*x+1/7$  revegef  
A084947 34.1953  $-2+(1-7*x)*f(x)$  lgdegf  
A084947 5.95477 [ $\{(-7*n-9)*a(n+1)+a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A084948 10.7677  $-1/8*(1-6*x)^(1/3)+3/4*(1-6*x)^(1/3)*x+1/8$  revegef  
A084948 30.1496  $-2+(1-8*x)*f(x)$  lgdegf

A084948 5.20311 [ $\{(-8n-10)a(n+1)+a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A084949 10.8967  $-1/9*(1-7x)^{(2/7)}+7/9*(1-7x)^{(2/7)}x+1/9$  revegfg  
A084949 30.5107  $-2+(1-9x)*f(x)$  lgdegf  
A084949 5.26397 [ $\{(-9n-11)a(n+1)+a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A084964 14.7927 [ $(x^2-2x+2)/(x+1)/(x-1)^2$  ogf]  
A084964 23.4053  $-x*(6+x^2-3x)/(x-1)/(x+1)/(x^2-2x+2)$  lgdogf  
A084964 8.12932 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 0, a(2) = 3\}$ , ogf]  
A084967 13.2556 [ $5*(x^2+4x+1)/(x+1)/(x-1)^2$  ogf]  
A084967 7.20921 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 25, a(2) = 35\}$ , ogf]  
A084968 7.08210 [ $7*(x^8+6x^7+4x^6+2x^5+4x^4+2x^3+4x^2+6x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A084990 11.3678 [ $-x*(x^2-2x-1)/(x-1)^4$  ogf]  
A084990 25.5760  $-2*(x+1)*(x-3)/(x-1)/(x^2-2x-1)$  lgdogf  
A084990 4.23394 [ $\{(-3-n)a(n+4)+(4-n)a(n+3)+(7+3n)a(n+2)+(-2-n)a(n+1), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 17\}$ , ogf]  
A085001 12.0990 [ $2*(x^2-8x-2)/(x-1)^3$  ogf]  
A085001 22.2814  $-(-14-14x+x^2)/(x-1)/(x^2-8x-2)$  lgdogf  
A085001 6.58018 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 4, a(1) = 28, a(2) = 70\}$ , ogf]  
A085024 3.08563 [ $2*(x^2-8x-2)/(x-1)^3$  ogf]  
A085024 5.30054  $-(-14-14x+x^2)/(-1+x)/(x^2-8x-2)$  lgdogf  
A085025 12.7326 [ $2*(2x^2-24x-3)/(x-1)^3$  ogf]  
A085025 20.3859  $-(-33-44x+2x^2)/(x-1)/(2x^2-24x-3)$  lgdogf  
A085025 6.86452 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 6, a(1) = 66, a(2) = 176\}$ , ogf]  
A085026 12.9706 [ $(5x^2-70x-7)/(x-1)^3$  ogf]  
A085026 20.2415  $-(-91-130x+5x^2)/(x-1)/(5x^2-70x-7)$  lgdogf  
A085026 6.99283 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 7, a(1) = 91, a(2) = 247\}$ , ogf]  
A085027 14.9499 [ $(3x^2-14x-21)/(x-1)^3$  ogf]  
A085027 8.11935 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 21, a(1) = 77, a(2) = 165\}$ , ogf]  
A085036 13.0270 [ $2*(3x^2-21x-7)/(x-1)^3$  ogf]  
A085036 21.2064  $-3*(-14-12x+x^2)/(x-1)/(3x^2-21x-7)$  lgdogf  
A085036 7.07499 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 14, a(1) = 84, a(2) = 204\}$ , ogf]  
A085046 12.1944 [ $(x^3-3x^2-x-1)/(x+1)/(x-1)^3$  ogf]  
A085046 15.2904  $-(-3-12x-4x^3+x^4-6x^2)/(x-1)/(x+1)/(x^3-3x^2-x-1)$  lgdogf  
A085046 6.73130 [ $\{a(n+4)-2a(n+3)+2a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 15\}$ , ogf]  
A085047 11.4758 [ $-(3x^3+x^2+7x+1)/(x-1)^3/(x+1)^3$  ogf]  
A085047 14.4184  $-(7+8x+44x^2+9x^4+4x^3)/(x-1)/(x+1)/(3x^3+x^2+7x+1)$  lgdogf  
A085110 4.38668 [ $\{(n^2+7n+12)a(n+1)+(n^2+6n+8)a(n+2)+(-n-3)a(n+3), a(0) = 1, a(1) = 4, a(2) = 9\}$ , ogf]  
A085121 17.8235 [ $3x^7/(x^8+1)$  ogf\_with\_Euler\_transform]  
A085140 19.7509 [ $-(x-2)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A085151 13.3136  $-(29+44x+4x^3+x^4+42x^2)/(x-1)/(x^4+14x^2+4x+5)$  lgdogf  
A085151 8.02608 [ $-(x^4+14x^2+4x+5)/(x-1)^5$  ogf]  
A085250 12.8885 [ $-4x*(3x+1)/(x-1)^3$  ogf]  
A085250 33.4691  $-6*(1+x)/(3x+1)/(x-1)$  lgdogf  
A085250 6.67441 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 24\}$ , ogf]  
A085259 6.85145  $-(-33-37x+30x^9+26x^8+22x^7+18x^6-45x^3-49x^4+19x^5-41x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(30x^5-2x^4-2x^3-2x^2-x-32)$  lgdogf  
A085259 9.87554 [ $-(30x^5-2x^4-2x^3-2x^2-x-32)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A085260 11.0865 [ $-(x-1)/(x^2-13x+1)$  ogf]  
A085260 11.5964  $-1/2*(-1-13x+(1+22x+165x^2)^{(1/2)})/(1+x)$  revogf  
A085260 6.07117 [ $\{a(n+2)-13a(n+1)+a(n), a(0) = 1, a(1) = 12\}$ , ogf]

A085261 9.09549  $[-(-x^7-x^6+3x^5-x^4-3x^3-x^2+3x-1)/(-x^8+1)$   
ogf\_with\_Euler\_transform]  
A085265 13.5760  $[-(x^{12}-x^{11}+x-2)/(x-1)^2$  ogf]  
A085265 16.4383  $(3-x+10x^{12}-21x^{11}+11x^{10})/(x-1)/(x^{12}-x^{11}+x-2)$  lgdogf  
A085268 10.4423  $[x^2(x^7+x^6+x^4+x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A085277 12.2075  $[(x+1)^2/(3x-1)/(2x-1)$  ogf]  
A085277 19.8162  $-(-7+17x)/(3x-1)/(2x-1)/(1+x)$  lgdogf  
A085277 6.28150  $[{-a(n+3)+5a(n+2)-6a(n+1), a(0) = 1, a(1) = 7, a(2) = 30},$   
ogf]  
A085278 11.1515  $[(2x+1)^2/(x-1)/(2x-1)/(x+1)$  ogf]  
A085278 13.6048  $-2*(-3+x+2x^3+3x^2)/(x-1)/(2x+1)/(2x-1)/(x+1)$  lgdogf  
A085278 6.01982  $[{-a(n+3)+2a(n+2)+a(n+1)-2a(n), a(0) = 1, a(1) = 6, a(2) =$   
17}, ogf]  
A085279 12.4993  $[-(2x^2+2x-1)/(3x-1)/(2x-1)$  ogf]  
A085279 14.1148  $-(3-16x+22x^2)/(2x-1)/(3x-1)/(2x^2+2x-1)$  lgdogf  
A085279 6.49475  $[{a(n+3)-5a(n+2)+6a(n+1), a(0) = 1, a(1) = 3, a(2) = 7},$  ogf]  
A085280 5.44414  $[{a(n+3)-8a(n+2)+19a(n+1)-12a(n), a(0) = 1, a(1) = 4, a(2) =$   
14}, ogf]  
A085280 9.43636  $-4*(1-9x+26x^2-24x^3+3x^4)/(x-1)/(3x-1)/(-1+4x)/(1-4x$   
 $+x^2)$  lgdogf  
A085280 9.93771  $[-(x^2-4x+1)/(x-1)/(3x-1)/(4x-1)$  ogf]  
A085281 12.4371  $[(x^2-3x+1)/(3x-1)/(2x-1)$  ogf]  
A085281 14.6815  $(2-10x+13x^2)/(-1+3x)/(2x-1)/(x^2-3x+1)$  lgdogf  
A085281 6.46243  $[{a(n+3)-5a(n+2)+6a(n+1), a(0) = 1, a(1) = 2, a(2) = 5},$  ogf]  
A085282 5.41650  $[{-a(n+3)+8a(n+2)-19a(n+1)+12a(n), a(0) = 1, a(1) = 3, a(2) =$   
10}, ogf]  
A085282 8.97332  $-(3-28x+91x^2-120x^3+60x^4)/(x-1)/(-1+4x)/(3x-1)/$   
 $(5x^2-5x+1)$  lgdogf  
A085282 9.88727  $[-(5x^2-5x+1)/(x-1)/(3x-1)/(4x-1)$  ogf]  
A085284 17.9426  $-10*(2+11x+8x^2)/(x-1)/(16x^2+13x+1)$  lgdogf  
A085284 3.58624  $[{(n+3)a(n+4)+(4+12n)a(n+3)+(-107+3n)a(n+2)+(-80-16n)a(n$   
 $+1), a(0) = 0, a(1) = 1, a(2) = 20, a(3) = 135},$  ogf]  
A085284 7.06802  $[-x*(16x^2+13x+1)/(x-1)^7$  ogf]  
A085287 13.0324  $-(-7-2x+24x^3+5x^2)/(x-1)/(-1+3x)/(4x+1)/(x+1)$  lgdogf  
A085287 14.9006  $[(4x+1)/(x-1)/(3x-1)/(x+1)$  ogf]  
A085287 6.98877  $[{a(n+3)-3a(n+2)-a(n+1)+3a(n), a(0) = 1, a(1) = 7, a(2) = 22},$   
ogf]  
A085292 7.84940  $-(9+20x+2x^6+32x^3-x^4-6x^5+43x^2)/(2x^3-3x^2-7x-1)/$   
 $(x^4-2x^3-7x^2-2x+1)$  lgdogf  
A085292 8.62613  $[-(2x^3-3x^2-7x-1)/(x^4-2x^3-7x^2-2x+1)$  ogf]  
A085293 8.88101  $-(9-6x^5+20x-x^4+32x^3+43x^2+2x^6)/(2x^3-3x^2-7x-1)/$   
 $(x^4-2x^3-7x^2-2x+1)$  lgdogf  
A085293 9.61537  $[-2*(2x^3-3x^2-7x-1)/(x^4-2x^3-7x^2-2x+1)$  ogf]  
A085302 5.45831  $[-(x^{23}-x^{22}-x^{13}+x^{11}+x^{10}-2x^9-x^8-x^7-2x^6-x^5-x^4-x^3-$   
 $x^2-2x-2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A085327 3.19639  $[-(x^2-x+1)/(x-1)/(x^2-3x+1)$  ogf]  
A085333 9.44057  $[-(6x^2-1)*(12x^2+9x+2)/(3x-1)/(2x-1)/(4x^2+2x+1)/$   
 $(9x^2+3x+1)$  ogf]  
A085348 10.6499  $[(x^2+4x+1)/(x^2+4x-1)/(x^2-4x-1)$  ogf]  
A085348 8.52323  $-2*(-2-19x-36x^2+2x^3+6x^4+x^5)/(x^2+4x+1)/(x^2+4x-1)/$   
 $(x^2-4x-1)$  lgdogf  
A085349 7.48598  $-(4+30x+69x^2-4x^3+6x^4+6x^5+x^6)/(x^2-4x-1)/(x^2+4x-1)/$   
 $(x^3+3x^2-4x-1)$  lgdogf  
A085349 9.26395  $[-(x^3+3x^2-4x-1)/(x^2+4x-1)/(x^2-4x-1)$  ogf]  
A085350 13.3599  $[-(2x-1)/(4x-1)/(3x-1)$  ogf]  
A085350 14.3337  $-(5-24x+24x^2)/(3x-1)/(-1+2x)/(-1+4x)$  lgdogf  
A085350 15.4363  $-1/4*(-1-7x+(x^2+6x+1)^{1/2})/(1+6x)$  revogf  
A085350 7.40429  $[{-a(n+2)+7a(n+1)-12a(n), a(0) = 1, a(1) = 5},$  ogf]  
A085351 12.3105  $[-(3x-1)/(5x-1)/(4x-1)$  ogf]  
A085351 12.8861  $-2*(3-20x+30x^2)/(-1+4x)/(3x-1)/(5x-1)$  lgdogf  
A085351 13.8526  $-1/2*(-1-9x+(x^2+6x+1)^{1/2})/(3+20x)$  revogf

A085351 6.82266 [  $\{-a(n+2)+9a(n+1)-20a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A085352 11.8554 [  $-(4x-1)/(6x-1)/(5x-1)$  ogf]  
A085352 12.9815  $-(7-60x+120x^2)/(6x-1)/(-1+4x)/(5x-1)$  lgdogf  
A085352 13.2981  $-1/4*(-11x-1+(x^2+6x+1)^{1/2})/(2+15x)$  revogf  
A085352 6.63340 [  $\{-a(n+2)+11a(n+1)-30a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A085353 12.5566 [  $-(5x-1)/(7x-1)/(6x-1)$  ogf]  
A085353 13.4460  $-2*(4-42x+105x^2)/(6x-1)/(7x-1)/(5x-1)$  lgdogf  
A085353 14.1019  $-1/2*(-1-13x+(x^2+6x+1)^{1/2})/(5+42x)$  revogf  
A085353 7.02570 [  $\{-a(n+2)+13a(n+1)-42a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A085354 11.4018 [  $(x-1)/(4x-1)/(2x-1)^2$  ogf]  
A085354 16.1725  $-(7-26x+16x^2)/(x-1)/(2x-1)/(4x-1)$  lgdogf  
A085354 5.45303 [  $\{a(n+3)-8a(n+2)+20a(n+1)-16a(n), a(0) = 1, a(1) = 7, a(2) = 36\}$ , ogf]  
A085356 4.80191 [  $\{(n^2+9n+18)a(n+1)-2a(n+2), a(0) = 1, a(1) = 5\}$ , ogf]  
A085362 40.3433  $2/(5x-1)/(x-1)$  lgdogf  
A085362 5.06305 [  $\{(n+2)a(n+2)+(-8-6n)a(n+1)+5na(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A085363 39.3439  $4/(9x-1)/(x-1)$  lgdogf  
A085363 4.85598 [  $\{(n+2)a(n+2)+(-14-10n)a(n+1)+9na(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A085364 4.34712 [  $\{(n+2)a(n+2)+(-20-14n)a(n+1)+13na(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A085373 23.5395  $-3*(-3+2x)/(-1+4x)/(x-1)$  lgdogf  
A085373 4.08098 [  $\{(n+3)a(n+3)+(-19-5n)a(n+2)+(10+4n)a(n+1), a(0) = 1, a(1) = 9, a(2) = 60\}$ , ogf]  
A085374 13.9033  $-4*(3-4x+3x^2)/(-1+4x)/(2x^2-2x+1)$  lgdogf  
A085375 11.1018  $-15*(-1+x)*(2x^2-x+1)/(-1+4x)/(5x^3-6x^2+3x-1)$  lgdogf  
A085375 4.70062 [  $\{(4n^2+34n+60)a(n+1)+(-n^2-5n-6)a(n+2), a(0) = 1, a(1) = 15\}$ , ogf]  
A085376 10.8221 [  $(x^2+3x+1)/(x^4-10x^2+1)$  ogf]  
A085376 9.91623  $-(3-22x-30x^2+4x^3+9x^4+2x^5)/(x^2+3x+1)/(x^4-10x^2+1)$  lgdogf  
A085377 10.0024 [  $-2x*(x^2-26x-14)/(x-1)^4$  ogf]  
A085377 19.9868  $-2*(-41-38x+x^2)/(x-1)/(x^2-26x-14)$  lgdogf  
A085377 3.62405 [  $\{(42+14n)a(n+4)+(-58+12n)a(n+3)+(-103-27n)a(n+2)+(n+2)a(n+1), a(0) = 0, a(1) = 28, a(2) = 164, a(3) = 486\}$ , ogf]  
A085385 3.44641 [  $\{(-3-n)a(n+4)+(11n)a(n+3)+(6+4n)a(n+2)+(-8-4n)a(n+1), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 46\}$ , ogf]  
A085385 8.93346 [  $-x*(2x+1)*(x-1)/(2x-1)^4$  ogf]  
A085403 15.7591  $1/2*(-x-1+(1-6x+x^2)^{1/2})/x/(1-6x+x^2)^{1/2}$  lgdogf  
A085403 3.42603 [  $\{(-n^2+n)a(n)+(5n^2+n)a(n+1)+(5n^2+19n+18)a(n+2)+(-n^2-5n-6)a(n+3), a(0) = 1, a(1) = -2, a(2) = -2\}$ , ogf]  
A085409 10.0816 [  $6x*(x^2+6x+2)/(x-1)^4$  ogf]  
A085409 22.5870  $-2*(7+10x+x^2)/(x-1)/(x^2+6x+2)$  lgdogf  
A085409 3.78062 [  $\{(6+2n)a(n+4)+(-6+4n)a(n+3)+(-25-5n)a(n+2)+(-2-n)a(n+1), a(0) = 0, a(1) = 12, a(2) = 84, a(3) = 270\}$ , ogf]  
A085437 5.62440  $-2*(x+5)*(2x+1)/(-1+x)/(x^2+4x+1)$  lgdogf  
A085438 11.7588  $-4*(7+59x+x^4+26x^3+87x^2)/(-1+x)/(x^4+20x^3+48x^2+20x+1)$  lgdogf  
A085438 6.03420 [  $(x^4+20x^3+48x^2+20x+1)/(x-1)^8$  ogf]  
A085439 4.46341 [  $(x^6+72x^5+603x^4+1168x^3+603x^2+72x+1)/(x-1)^{10}$  ogf]  
A085447 12.2492 [  $2*(3x-1)/(x^2+6x-1)$  ogf]  
A085447 15.4066  $-(3-2x+3x^2)/(3x-1)/(x^2+6x-1)$  lgdogf  
A085447 6.72212 [  $\{-a(n+2)+6a(n+1)+a(n), a(0) = 2, a(1) = 6\}$ , ogf]  
A085449 16.8188 [  $-x/(4x^2+2x-1)$  ogf]  
A085449 17.5007  $1/8/x*(-2x-1+(1+4x+20x^2)^{1/2})$  revogf  
A085449 25.5218  $-2*(1+4x)/(4x^2-1+2x)$  lgdogf  
A085449 7.68268 [  $\{-a(n+2)+2a(n+1)+4a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A085455 55.7797  $2/(3x+1)/(x-1)$  lgdogf  
A085455 6.55149 [  $\{(n+2)a(n+2)+(4+2n)a(n+1)-3na(n), a(0) = 1, a(1) = -2\}$ , ogf]

A085456 51.0040  $4/(7*x+1)/(x-1)$  lgdogf  
A085456 6.04155  $[{(n+2)*a(n+2)+(10+6*n)*a(n+1)-7*n*a(n), a(0) = 1, a(1) = -4},$   
ogf]  
A085457 45.8581  $6/(11*x+1)/(x-1)$  lgdogf  
A085457 5.72370  $[{(n+2)*a(n+2)+(16+10*n)*a(n+1)-11*n*a(n), a(0) = 1, a(1) = -6},$   
ogf]  
A085458 37.2954  $-4/(x+1)/(7*x-1)$  lgdogf  
A085458 4.95044  $[{(-n-2)*a(n+2)+(10+6*n)*a(n+1)+7*n*a(n), a(0) = 1, a(1) = 4},$   
ogf]  
A085461 15.1438  $-(3*x+1)*(x^2+10*x+13)/(x-1)/(x+1)/(x^2+6*x+1)$  lgdogf  
A085461 3.90372  $[{(-2*n^2-15*n-28)*a(n+1)+(4*n^2+28*n+79)*a(n$   
 $+2)+(-2*n^2-13*n-21)*a(n+3), a(0) = 1, a(1) = 13, a(2) = 70},$  ogf]  
A085461 7.40080  $[(x+1)*(x^2+6*x+1)/(x-1)^6$  ogf]  
A085462 14.1743  $-(14+56*x+35*x^2+3*x^3)/(x-1)/(x+1)/(x^2+7*x+1)$  lgdogf  
A085462 3.69527  $[{(-5*n^2-39*n-76)*a(n+1)+(10*n^2+70*n+184)*a(n$   
 $+2)+(-5*n^2-31*n-48)*a(n+3), a(0) = 1, a(1) = 14, a(2) = 77},$  ogf]  
A085462 7.08260  $[(x+1)*(x^2+7*x+1)/(x-1)^6$  ogf]  
A085463 15.4033  $-3*(4+14*x+x^3+9*x^2)/(x-1)/(x+1)/(x^2+5*x+1)$  lgdogf  
A085463 3.92784  $[{(-n^2-7*n-12)*a(n+1)+(2*n^2+14*n+44)*a(n+2)+(-n^2-7*n-12)*a(n$   
 $+3), a(0) = 1, a(1) = 12, a(2) = 63},$  ogf]  
A085463 7.36470  $[(x+1)*(x^2+5*x+1)/(x-1)^6$  ogf]  
A085464 14.0304  $-(19+97*x+3*x^3+49*x^2)/(x-1)/(x+1)/(x^2+10*x+1)$  lgdogf  
A085464 5.92180  $[-(x^2+10*x+1)*(x+1)^2/(x-1)^7$  ogf]  
A085465 22.0015  $-3*(5+8*x+x^2)/(x-1)/(x^2+4*x+1)$  lgdogf  
A085465 3.55274  $[{(n+4)*a(n+4)+(-6+3*n)*a(n+3)+(-30-3*n)*a(n+2)+(-4-n)*a(n+1),$   
 $a(0) = 1, a(1) = 15, a(2) = 102, a(3) = 442},$  ogf]  
A085465 6.29520  $[-(x^2+4*x+1)^2/(x-1)^7$  ogf]  
A085473 12.9035  $[-(4*x^2+7*x+1)/(x-1)^3$  ogf]  
A085473 21.4437  $-2*(x+5)*(2*x+1)/(x-1)/(4*x^2+7*x+1)$  lgdogf  
A085473 6.90449  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 10, a(2) =$   
 $31},$  ogf]  
A085474 14.4058  $-(15+63*x+5*x^3+45*x^2)/(x-1)/(x+1)/(5*x^2+10*x+1)$  lgdogf  
A085474 4.01433  $[{(3*n^2+18*n+24)*a(n+1)+(2*n^2+34*n+105)*a(n$   
 $+2)+(-5*n^2-28*n-39)*a(n+3), a(0) = 1, a(1) = 15, a(2) = 69},$  ogf]  
A085474 9.29901  $[(x+1)*(5*x^2+10*x+1)/(x-1)^4$  ogf]  
A085479 3.63620  $[728*(x^6+120*x^5+1191*x^4+2416*x^3+1191*x^2+120*x+1)/(x-1)^8$   
ogf]  
A085480 13.7265  $[-3*(2*x+1)/(3*x^2+3*x-1)$  ogf]  
A085480 15.1287  $1/6*(-3-3*x+(9+42*x+21*x^2)^(1/2))/(x+2)$  revogf  
A085480 16.8097  $-(5+6*x+6*x^2)/(2*x+1)/(3*x^2+3*x-1)$  lgdogf  
A085480 7.44207  $[{a(n+2)-3*a(n+1)-3*a(n), a(0) = 3, a(1) = 15},$  ogf]  
A085481 5.20764  $[-1/(3*x^2+3*x-1)$  ogf]  
A085481 6.73299  $-3*(2*x+1)/(3*x^2-1+3*x)$  lgdogf  
A085482 3.14913  $[-54*(x+1)*(x^6+246*x^5+4047*x^4+11572*x^3+4047*x^2+246*x+1)/$   
 $(x-1)^9$  ogf]  
A085487 15.3328  $[-(10*x+1)/(5*x^2+x-1)$  ogf]  
A085487 17.7468  $1/10*(-1-x+(1+42*x+21*x^2)^(1/2))/(x+2)$  revogf  
A085487 18.2139  $-(11+10*x+50*x^2)/(10*x+1)/(5*x^2+x-1)$  lgdogf  
A085487 8.49771  $[{a(n+2)-a(n+1)-5*a(n), a(0) = 1, a(1) = 11},$  ogf]  
A085488 4.15233  $[(x-2)/(4*x^2+x-1)$  ogf]  
A085488 5.17715  $-(-1-16*x+4*x^2)/(x-2)/(4*x^2+x-1)$  lgdogf  
A085490 11.7673  $[-x*(x^2-6*x-1)/(x-1)^4$  ogf]  
A085490 14.7460  $-2*(-5-8*x+x^2)/(-1+x)/(x^2-6*x-1)$  lgdogf  
A085490 4.52111  $[{(-3-n)*a(n+4)-5*n*a(n+3)+(23+7*n)*a(n+2)+(-2-n)*a(n+1), a(0) =$   
 $0, a(1) = 1, a(2) = 10, a(3) = 33},$  ogf]  
A085502 7.13255  $[(2*x^4+325*x^3+985*x^2+287*x+1)/(x-1)^6$  ogf]  
A085502 8.76165  $-(293+3405*x+983*x^3+4*x^4+4915*x^2)/(x-1)/$   
 $(2*x^4+325*x^3+985*x^2+287*x+1)$  lgdogf  
A085504 12.0658  $[-x*(18*x^2+15*x+1)/(9*x^2+3*x-1)$  ogf]  
A085504 15.2685  $-9*(2+6*x+9*x^2)/(18*x^2+15*x+1)/(9*x^2+3*x-1)$  lgdogf  
A085504 6.19029  $[{a(n+4)-3*a(n+3)-9*a(n+2), a(0) = 0, a(1) = 1, a(2) = 18, a(3)$

= 81}], ogf]  
 A085537 24.8251  $-3*(x+9)*(x+1)/(x-1)/(x^2+7*x+4)$  lgdogf  
 A085537 3.98818 [  $\{(-515*n^2-2558*n-3056)*a(n+1)+(-3933*n^2-29642*n-53325)*a(n+2)+(4448*n^2+12348*n+7900)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 8\}$ , ogf]  
 A085537 9.10936 [  $-2*x^2*(x^2+7*x+4)/(x-1)^5$  ogf]  
 A085538 16.0554  $-3*(27+67*x+x^3+25*x^2)/(x-1)/(x^3+18*x^2+33*x+8)$  lgdogf  
 A085538 4.29031 [  $\{(19*n^2+81*n+86)*a(n+1)+(-56*n^2-272*n-648)*a(n+2)+(37*n^2+101*n+64)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 16\}$ , ogf]  
 A085538 7.41783 [  $2*x^2*(x^3+18*x^2+33*x+8)/(x-1)^6$  ogf]  
 A085539 10.8942  $-3*(81+376*x+x^4+56*x^3+326*x^2)/(x-1)/(x^4+41*x^3+171*x^2+131*x+16)$  lgdogf  
 A085539 5.88615 [  $-2*x^2*(x^4+41*x^3+171*x^2+131*x+16)/(x-1)^7$  ogf]  
 A085540 24.4127  $-3*(x+9)*(x+1)/(x-1)/(x^2+7*x+4)$  lgdogf  
 A085540 3.94009 [  $\{(12+4*n)*a(n+4)+(-21+3*n)*a(n+3)+(-36-6*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 8, a(2) = 54, a(3) = 192\}$ , ogf]  
 A085540 9.42807 [  $-2*x*(x^2+7*x+4)/(x-1)^5$  ogf]  
 A085577 6.46251 [  $(x^{11}-2*x^{10}+x^9-x^6+x^5-x^3-x^2+x-1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
 A085583 10.4563  $-(2+2*x+x^7-x^6+8*x^3+5*x^4+3*x^5)/(x-1)/(x+1)/(x^6-2*x^5+x^4+3*x^3-x^2-x+1)$  lgdogf  
 A085583 6.47854 [  $-(x^6-2*x^5+x^4+3*x^3-x^2-x+1)/(x+1)^2/(x-1)^5$  ogf]  
 A085584 8.63726  $-(2-4*x+x^2+6*x^3-4*x^4-6*x^5+6*x^6)/(3*x^4-3*x^3-x^2+3*x-1)/(2*x^3-x^2-x+1)$  lgdogf  
 A085584 8.70177 [  $-(2*x^3-x^2-x+1)/(3*x^4-3*x^3-x^2+3*x-1)$  ogf]  
 A085601 5.37123 [  $\{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = 5, a(1) = 13, a(2) = 41\}$ , ogf]  
 A085601 8.06866  $-(13-100*x+288*x^2-352*x^3+160*x^4)/(x-1)/(-1+4*x)/(-1+2*x)/(20*x^2-22*x+5)$  lgdogf  
 A085601 9.65144 [  $-(20*x^2-22*x+5)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
 A085613 5.76420  $-(3-2*x-137*x^6+30*x^8+60*x^7-19*x^2-8*x^3+91*x^4-10*x^5)/(x-1)/(-1+2*x)/(x+1)/(3*x^2-1)/(5*x^4+5*x^3-9*x^2-x+2)$  lgdogf  
 A085613 7.08953 [  $-(5*x^4+5*x^3-9*x^2-x+2)/(x-1)/(2*x-1)/(x+1)/(3*x^2-1)$  ogf]  
 A085614 36.3232  $x*(-1+2*x)*(x-1)$  revogf  
 A085614 4.23682 [  $\{(108*n^2+432*n+420)*a(n+1)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 16\}$ , ogf]  
 A085622 10.5879  $4*(1+4*x+x^6-2*x^5+12*x^3+8*x^2)/(x-1)/(x+1)/(4*x^5-7*x^4-6*x^3-4*x^2-2*x-1)$  lgdogf  
 A085622 9.64802 [  $(4*x^5-7*x^4-6*x^3-4*x^2-2*x-1)/(x+1)/(x-1)^3$  ogf]  
 A085624 10.7190 [  $-(2*x^4-3*x^3-x^2-2*x-2)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
 A085636 7.38331 [  $(6*x^5-16*x^4+91*x^3+11*x^2+3*x+1)/(x-1)^4$  ogf]  
 A085636 8.90632  $(-7+6*x^5-31*x-30*x^4-27*x^3-295*x^2)/(x-1)/(6*x^5-16*x^4+91*x^3+11*x^2+3*x+1)$  lgdogf  
 A085640 6.95353  $-(7+18*x+x^6-6*x^5+15*x^2+28*x^3+9*x^4)/(x^3-3*x^2-3*x-1)/(x^4-4*x^3-6*x^2-4*x+1)$  lgdogf  
 A085640 7.47291 [  $-(x^3-3*x^2-3*x-1)/(x^4-4*x^3-6*x^2-4*x+1)$  ogf]  
 A085644 20.1255  $(-5+4*x^2)/(-1+2*x)/(2*x+1)$  lgdegf  
 A085680 6.59561 [  $-(x^{11}-x^{10}+x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
 A085687 20.2736  $12/(1-8*x)^{(1/2)}/(1+(1-8*x)^{(1/2)})$  lgdogf  
 A085687 29.9696  $8*x/(1+(1+8*x)^{(1/2)})^3$  revogf  
 A085687 5.70460 [  $\{(-8*n^2-44*n-60)*a(n+1)+(n^2+7*n+10)*a(n+2), a(0) = 1, a(1) = 6\}$ , ogf]  
 A085688 10.1338 [  $-(11*x^5+15*x^4+21*x^3-6*x^2-8*x-11)/(x-1)/(2*x^3-1)/(x^2+x+1)$  ogf]  
 A085689 11.1846 [  $\{-a(n+3)+3*a(n), a(0) = 4, a(1) = 2, a(2) = 4\}$ , ogf]  
 A085689 17.0405  $-(1+4*x+6*x^4+6*x^3+18*x^2)/(2*x^2+x+2)/(3*x^3-1)$  lgdogf  
 A085689 17.3476 [  $-2*(2*x^2+x+2)/(3*x^3-1)$  ogf]  
 A085695 8.29521  $-2*(2+18*x+8*x^2-2*x^3-2*x^4+x^5)/(x-1)/(x+1)/(x^2+3*x+1)/(x^2-7*x+1)$  lgdogf  
 A085695 8.81065 [  $-x*(x-1)*(x+1)/(x^2+3*x+1)/(x^2-7*x+1)$  ogf]  
 A085696 7.54214  $-(-6-48*x+x^6+12*x^5+15*x^4+60*x^2)/(x^2+4*x-1)/(x^2-x-1)/(x^3+6*x^2-3*x+3)$  lgdogf



A085696 9.86566 [  $(x^3+6x^2-3x+3)/(x^2+4x-1)/(x^2-x-1)$  ogf]  
A085697 7.24022  $-(1+4x-4x^2+5x^3+6x^4+4x^5+3x^6+14x^7-12x^8)/(x^3+x^2+x-1)/(x^3+x^2+3x-1)/(x^3-x^2-x-1)$  lgdogf  
A085697 7.81944 [  $-(x^3+x^2+x-1)/(x^3+x^2+3x-1)/(x^3-x^2-x-1)$  ogf]  
A085708 10.6745 [  $7x/(10x-1)^2$  ogf]  
A085708 15.5060  $28x/(7+(280x+49)^{1/2})^2$  revogf  
A085708 34.8884  $-20/(10x-1)$  lgdogf  
A085708 5.08308 [  $\{a(n+2)-20a(n+1)+100a(n), a(0) = 0, a(1) = 7\}$ , ogf]  
A085717 11.8825 [  $-(x^3-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A085717 12.1394  $-(1+2x^6-4x^5+7x^4+2x^3+4x^2+3x+1)/(x-1)/(x^3-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A085740 3.81566 [  $\{(131n^2+545n+566)a(n+1)+(-744n^2-4291n-6507)a(n+2)+(613n^2+1818n+1205)a(n+3), a(0) = 0, a(1) = 0, a(2) = 5\}$ , ogf]  
A085740 8.50849 [  $x^2(x^2-2x-5)/(x-1)^5$  ogf]  
A085742 12.4649  $-4(31+97x+73x^2+9x^3)/(x-1)/(9x^3+53x^2+47x+11)$  lgdogf  
A085742 3.48599 [  $\{(721n^2+4048n+5655)a(n+1)+(-362n^2+3352n+6324)a(n+2)+(-359n^2-920n-561)a(n+3), a(0) = 0, a(1) = 0, a(2) = 33\}$ , ogf]  
A085742 5.71234 [  $-3x^2(9x^3+53x^2+47x+11)/(x-1)^7$  ogf]  
A085743 5.35251 [  $x^2(x^4-25x^3-159x^2-151x-26)/(x-1)^7$  ogf]  
A085743 9.61578  $-3(-111-408x-290x^2-32x^3+x^4)/(x-1)/(x^4-25x^3-159x^2-151x-26)$  lgdogf  
A085744 5.35251 [  $-x^2(x^4+29x^3+147x^2+155x+28)/(x-1)^7$  ogf]  
A085744 9.75514  $-3(117+408x+274x^2+40x^3+x^4)/(x-1)/(x^4+29x^3+147x^2+155x+28)$  lgdogf  
A085750 22.2689 [  $-x/(2x+1)^2$  ogf]  
A085750 32.3367  $-4x/(1+(1+8x)^{1/2})^2$  revogf  
A085750 77.6082  $-4/(1+2x)$  lgdogf  
A085750 9.07252 [  $\{-a(n+2)-4a(n+1)-4a(n), a(0) = 0, a(1) = -1\}$ , ogf]  
A085754 5.16093 [  $-(35631x^8+14841x^7+10440x^6+21700x^5+21500x^4+3194x^3+2385x^2+2150x+215)/(10x^5-1)$  ogf]  
A085786 11.1201 [  $(x+2)(x+1)/(x-1)^4$  ogf]  
A085786 22.1333  $-(11+11x+2x^2)/(x-1)/(x+2)/(x+1)$  lgdogf  
A085786 3.83644 [  $\{(2n+8)a(n+4)+(-8+n)a(n+3)+(-15-2n)a(n+2)+(-3-n)a(n+1), a(0) = 2, a(1) = 11, a(2) = 33, a(3) = 74\}$ , ogf]  
A085787 10.2933 [  $-x(x^2+3x+1)/(x+1)^2/(x-1)^3$  ogf]  
A085787 17.8663  $-(4+10x+3x^2+13x^3)/(x-1)/(x+1)/(x^2+3x+1)$  lgdogf  
A085788 13.4541 [  $3(x+2)/(x-1)^4$  ogf]  
A085788 38.3736  $-3(3+x)/(2+x)/(-1+x)$  lgdogf  
A085788 5.36405 [  $\{(-2n-6)a(n+3)+(11+n)a(n+2)+(4+n)a(n+1), a(0) = 6, a(1) = 27, a(2) = 72\}$ , ogf]  
A085789 13.3932 [  $3(2x+1)/(x-1)^4$  ogf]  
A085789 5.37490 [  $\{(n+3)a(n+3)+(-4+n)a(n+2)+(-8-2n)a(n+1), a(0) = 3, a(1) = 18, a(2) = 54\}$ , ogf]  
A085799 19.8229  $-20(x+2)/(2x+3)/(1+4x)$  lgdegf  
A085799 4.34391 [  $\{(-8n^2-36n-40)a(n+1)+(12n^2+88n+156)a(n+2)+(6+3n)a(n+3), a(0) = 0, a(1) = -9, a(2) = 240\}$ , ogf]  
A085801 6.20331 [  $(2x^{12}-x^{11}+2x^{10}+2x^9+x^8-x^7+3x^6-x^5+3x^4+x^3+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A085810 16.1981 [  $-(2x-1)/(x^3+3x^2-4x+1)$  ogf]  
A085810 18.3644  $-(2-6x+4x^3+3x^2)/(2x-1)/(x^3+3x^2-4x+1)$  lgdogf  
A085810 7.66516 [  $\{a(n+3)-4a(n+2)+3a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A085811 28.3399 [  $-x/(x-1)$  ogf\_with\_Euler\_transform]  
A085820 5.70100 [  $(x^4+2x^3+4x^2+2x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A085891 10.4848  $-2(1+2x+3x^4+x^3+5x^2)/(-1+x)/(x^2+1)/(x^2+x+1)$  lgdogf  
A085891 16.5227 [  $-x^3+2x^2+x+2$  ogf\_with\_Euler\_transform]  
A085891 5.66264 [  $(x^2+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A085899 7.74168 [  $(x^{17}-x^{16}+x^8-x^7+x^5+2x^2+x+4)/(x-1)^2$  ogf]  
A085903 10.4605 [  $(2x^2+1)/(x+1)/(2x-1)/(2x^2-1)$  ogf]  
A085903 9.38301  $-(-1-12x+8x^2+16x^3+4x^4+16x^5)/(-1+2x)/(x+1)/(2x^2-1)/$

$(2*x^2+1)$  lgdogf  
A085913 10.2433  $[(x^5-2*x^4-x^3+x^2-1)/(x+1)/(x-1)^3$  ogf]  
A085913 13.3402  $(2+2*x+x^6-2*x^5+8*x^3+x^2)/(x-1)/(x+1)/(x^5-2*x^4-x^3+x^2-1)$   
lgdogf  
A085939 13.9061  $[-x/(6*x^2+4*x-1)$  ogf]  
A085939 14.0386  $1/12/x*(-1-4*x+(1+8*x+40*x^2)^(1/2))$  revogf  
A085939 21.0579  $-4*(3*x+1)/(6*x^2-1+4*x)$  lgdogf  
A085939 6.35215  $[{-a(n+2)+4*a(n+1)+6*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A085952 10.8678  $-(91-200*x+190*x^2)/(x-1)/(10*x-1)/(90*x^2-80*x-1)$  lgdogf  
A085952 5.18646  $[{a(n+3)-11*a(n+2)+10*a(n+1), a(0) = 1, a(1) = 91, a(2) = 901}]$ ,  
ogf]  
A085952 9.73598  $[-(90*x^2-80*x-1)/(x-1)/(10*x-1)$  ogf]  
A085959 100.167  $-2/(x-1)$  lgdogf  
A085959 21.3935  $[37*x/(x-1)^2$  ogf]  
A085959 25.8496  $148*x/(37+(1369+148*x)^(1/2))^2$  revogf  
A085959 9.91405  $[{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 37}]$ , ogf]  
A085960 7.39336  $2*(-1-5*x-20*x^7+5*x^8-20*x^5+30*x^6-4*x^3+6*x^4+6*x^2)/(x-1)/$   
 $(2*x^8-6*x^7+6*x^6-2*x^5+2*x^4-6*x^3+6*x^2-x+1)$  lgdogf  
A085960 7.53692  $[-(2*x^8-6*x^7+6*x^6-2*x^5+2*x^4-6*x^3+6*x^2-x+1)/(x-1)^3$  ogf]  
A085990 6.77012  $[{(-4*n^2-10*n-6)*a(n)+a(n+1), a(0) = 0, a(1) = 3}]$ , ogf]  
A086007 5.39580  $[-x^32*(x+1)*(x^16+x^6+x^4+x^2+1)/(x^52+x^18-x^16+x^8-1)$  ogf]  
A086020 13.8251  $-(17+81*x+5*x^3+57*x^2)/(x-1)/(x+1)/(x^2+8*x+1)$  lgdogf  
A086020 3.66358  $[{(n^2+12*n+36)*a(n+1)+(-2*n^2-18*n-45)*a(n+2)+(n^2+6*n+9)*a(n$   
 $+3), a(0) = 1, a(1) = 17, a(2) = 117}]$ , ogf]  
A086020 5.81674  $[(x+1)*(x^2+8*x+1)/(x-1)^8$  ogf]  
A086021 4.25511  $[-(x^6+54*x^5+405*x^4+760*x^3+405*x^2+54*x+1)/(x-1)^11$  ogf]  
A086023 11.0257  $-2*(13+108*x+3*x^4+58*x^3+168*x^2)/(-1+x)/$   
 $(x^4+16*x^3+36*x^2+16*x+1)$  lgdogf  
A086023 4.21588  $[{(n^2+14*n+49)*a(n+1)+(-2*n^2-20*n-58)*a(n+2)+(n^2+6*n+9)*a(n$   
 $+3), a(0) = 1, a(1) = 26, a(2) = 251}]$ , ogf]  
A086023 5.05347  $[(x^4+16*x^3+36*x^2+16*x+1)/(x-1)^10$  ogf]  
A086024 3.48550  $[{(n^3+21*n^2+147*n+343)*a(n+1)+(-2*n^3-30*n^2-174*n-370)*a(n$   
 $+2)+(n^3+9*n^2+27*n+27)*a(n+3), a(0) = 1, a(1) = 126, a(2) = 3501}]$ , ogf]  
A086025 4.07262  $[(x+1)*(x^4+24*x^3+76*x^2+24*x+1)/(x-1)^12$  ogf]  
A086025 4.14013  $[{(n^2+16*n+64)*a(n+1)+(-2*n^2-22*n-73)*a(n+2)+(n^2+6*n+9)*a(n$   
 $+3), a(0) = 1, a(1) = 37, a(2) = 478}]$ , ogf]  
A086025 8.97964  $-(37+475*x+7*x^5+1300*x^2+1000*x^3+205*x^4)/(x-1)/(x+1)/$   
 $(x^4+24*x^3+76*x^2+24*x+1)$  lgdogf  
A086026 3.35605  $[{(n^3+24*n^2+192*n+512)*a(n+1)+(-2*n^3-33*n^2-219*n-539)*a(n$   
 $+2)+(n^3+9*n^2+27*n+27)*a(n+3), a(0) = 1, a(1) = 217, a(2) = 9478}]$ , ogf]  
A086027 4.26813  $[{(n^2+18*n+81)*a(n+1)+(-2*n^2-24*n-90)*a(n+2)+(n^2+6*n+9)*a(n$   
 $+3), a(0) = 1, a(1) = 50, a(2) = 834}]$ , ogf]  
A086027 7.30438  $-2*(25+459*x+1215*x^4+2650*x^3+4*x^6+165*x^5+1950*x^2)/(x-1)/$   
 $(x^6+36*x^5+225*x^4+400*x^3+225*x^2+36*x+1)$  lgdogf  
A086028 3.32859  $[{(n^3+27*n^2+243*n+729)*a(n+1)+(-2*n^3-36*n^2-270*n-756)*a(n$   
 $+2)+(n^3+9*n^2+27*n+27)*a(n+3), a(0) = 1, a(1) = 344, a(2) = 22296}]$ , ogf]  
A086029 3.93640  $[{(-n^2-20*n-100)*a(n+1)+(2*n^2+26*n+109)*a(n+2)+(-$   
 $n^2-6*n-9)*a(n+3), a(0) = 1, a(1) = 65, a(2) = 1361}]$ , ogf]  
A086030 3.26860  $[{(n^3+30*n^2+300*n+1000)*a(n+1)+(-2*n^3-39*n^2-327*n-1027)*a(n$   
 $+2)+(n^3+9*n^2+27*n+27)*a(n+3), a(0) = 1, a(1) = 513, a(2) = 47169}]$ , ogf]  
A086090 11.1232  $-(-5+21*x-30*x^2+18*x^3)/(3*x-1)/(2*x-1)/(3*x^2-3*x+1)$  lgdogf  
A086090 5.33360  $[{a(n+3)-8*a(n+2)+21*a(n+1)-18*a(n), a(0) = 1, a(1) = 5, a(2) =$   
 $22}]$ , ogf]  
A086090 9.73594  $[-(3*x^2-3*x+1)/(2*x-1)/(3*x-1)^2$  ogf]  
A086091 10.1950  $-3*(-2+14*x-33*x^2+28*x^3)/(3*x-1)/(-1+4*x)/(7*x^2-5*x+1)$  lgdogf  
A086091 5.11621  $[{a(n+3)-11*a(n+2)+40*a(n+1)-48*a(n), a(0) = 1, a(1) = 6, a(2) =$   
 $33}]$ , ogf]  
A086091 9.27312  $[-(7*x^2-5*x+1)/(3*x-1)/(4*x-1)^2$  ogf]  
A086092 10.1309  $-(-7+69*x-228*x^2+260*x^3)/(-1+4*x)/(5*x-1)/(13*x^2-7*x+1)$   
lgdogf  
A086092 5.12624  $[{a(n+3)-14*a(n+2)+65*a(n+1)-100*a(n), a(0) = 1, a(1) = 7, a(2)$

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= 46}], ogf]
A086092 9.08742 [ -(13*x^2-7*x+1)/(4*x-1)/(5*x-1)^2 ogf]
A086093 5.08956 [{a(n+3)-11*a(n+2)+40*a(n+1)-48*a(n), a(0) = 1, a(1) = 5, a(2) =
25}], ogf]
A086093 9.08291 [ -(10*x^2-6*x+1)/(3*x-1)/(4*x-1)^2 ogf]
A086093 9.96594 -(-5+40*x-114*x^2+120*x^3)/(-1+4*x)/(3*x-1)/(10*x^2-6*x+1)
lgdogf
A086111 8.30745 -2*(-1-x-16*x^6+x^7-5*x^8+2*x^9+3*x^5-18*x^4-5*x^3-8*x^2)/(x-1)/
(x+1)/(x^2+1)/(x^6-2*x^5-4*x^3-2*x-1) lgdogf
A086111 8.34878 [ x*(x^6-2*x^5-4*x^3-2*x-1)/(x^2+1)^2/(x-1)^3/(x+1)^3 ogf]
A086112 10.2279 [ -(x^5-x^4+x^3-2*x^2-2*x-1)/(x^2+1)/(x-1)^2/(x+1)^2 ogf]
A086112 9.39585 -(-2-6*x+5*x^6-10*x^5-x^2-14*x^3-3*x^4+x^8-2*x^7)/(x-1)/(x+1)/
(x^2+1)/(x^5-x^4+x^3-2*x^2-2*x-1) lgdogf
A086113 10.8088 [ -6*(x^2-2*x-1)/(x-1)^4 ogf]
A086113 23.1896 -2*(x+1)*(x-3)/(x-1)/(x^2-2*x-1) lgdogf
A086113 3.74564 [{(-n-4)*a(n+4)+(3-n)*a(n+3)+(10+3*n)*a(n+2)+(-n-3)*a(n+1), a(0)
= 6, a(1) = 36, a(2) = 102, a(3) = 216}], ogf]
A086114 16.3495 -2*(4+3*x+x^3-3*x^2)/(x-1)/(x^3-3*x^2+3*x+1) lgdogf
A086114 4.07491 [{(-n^2-9*n-18)*a(n+1)+(2*n^2+14*n+20)*a(n+2)+(-n^2-5*n-6)*a(n
+3), a(0) = 8, a(1) = 64, a(2) = 216}], ogf]
A086114 8.24138 [ -8*(x^3-3*x^2+3*x+1)/(x-1)^5 ogf]
A086115 11.6954 -2*(-5-4*x+x^4-4*x^3+6*x^2)/(x-1)/(x^4-4*x^3+6*x^2-4*x-1) lgdogf
A086115 3.71716 [{(-n^2-10*n-21)*a(n+1)+(2*n^2+15*n+22)*a(n+2)+(-n^2-5*n-6)*a(n
+3), a(0) = 10, a(1) = 100, a(2) = 390}], ogf]
A086115 6.24073 [ -10*(x^4-4*x^3+6*x^2-4*x-1)/(x-1)^6 ogf]
A086159 10.9632 -(1+x+4*x^2+x^3+x^4+10*x^5)/(-1+x)/(x+1)/(x^2+x+1)/(x^2-x+1)
lgdogf
A086159 23.1430 [x^5+x^2+1 ogf_with_Euler_transform]
A086159 9.10855 [ -1/(x+1)/(x^2-x+1)/(x^2+x+1)^2/(x-1)^3 ogf]
A086161 10.1191 [ -(x^3-x^2-1)/(x^2+x+1)/(x-1)^2 ogf]
A086161 12.3326 -(-1-3*x+x^5-x^4-2*x^2)/(-1+x)/(x^2+x+1)/(x^3-x^2-1) lgdogf
A086162 5.53434 [ -(x^3-x^2-1)*(x^6-x^3-1)/(x+1)/(x^2-x+1)/(x^2+x+1)^2/(x-1)^3
ogf]
A086162 5.78085 -(1+3*x+2*x^7+10*x^4+2*x^3-x^9+x^8-x^13+5*x^2-5*x^11+x^14)/
(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6-x^3-1)/(x^3-x^2-1) lgdogf
A086192 11.6932 [ -(4*x^2+3*x+1)/(x^3+x^2+x-1) ogf]
A086192 12.9500 -2*(2+5*x+2*x^4+3*x^3+x^2)/(4*x^2+3*x+1)/(x^3+x^2+x-1) lgdogf
A086192 6.36864 [{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 9},
ogf]
A086213 11.5711 [ -(18*x^2+7*x+1)/(x^3+x^2+x-1) ogf]
A086213 6.34874 [{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 8, a(2) = 27},
ogf]
A086219 4.10527 [ -x*(x-2)/(2*x-1)/(x-1) ogf]
A086219 5.50452 -(5-8*x+2*x^2)/(-1+x)/(x-2)/(2*x-1) lgdogf
A086221 13.3507 [ -(20*x-13)/(4*x-1)/(2*x-1) ogf]
A086221 13.3721 -2*(29-104*x+80*x^2)/(4*x-1)/(2*x-1)/(20*x-13) lgdogf
A086221 13.6693 -1/8*(-13-6*x+(169+76*x+4*x^2)^(1/2))/(5+2*x) revegf
A086221 7.47001 [{-a(n+2)+6*a(n+1)-8*a(n), a(0) = 13, a(1) = 58}], ogf]
A086223 4.49359 [{-a(n+5)+11*a(n+4)-10*a(n+3), a(0) = 0, a(1) = 1, a(2) = 3,
a(3) = 69, a(4) = 694}], ogf]
A086223 8.21686 (-3-72*x+531*x^2-770*x^3+350*x^4)/(x-1)/(10*x-1)/
(35*x^3-46*x^2+8*x-1) lgdogf
A086223 8.46619 [ -x*(35*x^3-46*x^2+8*x-1)/(x-1)/(10*x-1) ogf]
A086224 11.5295 1/2*ln(2*x+5)+arctanh((14*x+36)^(1/2))-1/2*ln(5)-arctanh(6)
revegf
A086224 15.4188 [ -(5*x-6)/(2*x-1)/(x-1) ogf]
A086224 17.4421 -(13-24*x+10*x^2)/(x-1)/(2*x-1)/(5*x-6) lgdogf
A086224 8.35958 [{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 6, a(1) = 13}], ogf]
A086225 11.5197 1/2*ln(2*x+9)+arctanh((22*x+100)^(1/2))-ln(3)-arctanh(10) revegf
A086225 14.5672 [ -(9*x-10)/(2*x-1)/(x-1) ogf]
A086225 16.4156 -(21-40*x+18*x^2)/(9*x-10)/(x-1)/(2*x-1) lgdogf

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A086225 7.97730 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 10, a(1) = 21\}$ , ogf]  
A086246 25.0850  $1/2*x-1/2+1/2*(-(1+3*x)*(x-1))^{(1/2)}$  revogf  
A086246 4.59158 [ $\{(-3*n^2+3*n)*a(n)+(-5*n^2-7*n)*a(n+1)+(-n^2-5*n-6)*a(n+2)+(n^2+5*n+6)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
A086274 18.0430  $-(x-2)*(2*x^2+x+2)/(x-1)/(x^3-2*x^2+x-1)$  lgdogf  
A086274 3.93784 [ $\{(10*n^2+88*n+174)*a(n+1)+(-21*n^2-141*n-174)*a(n+2)+(11*n^2+49*n+48)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 12\}$ , ogf]  
A086274 8.46409 [ $(x^3-2*x^2+x-1)/(x-1)^5$  ogf]  
A086302 22.5216  $-3*(5+14*x+x^2)/(x-1)/(x^2+10*x+1)$  lgdogf  
A086302 3.80352 [ $\{(n+4)*a(n+4)+(12+9*n)*a(n+3)+(-60-9*n)*a(n+2)+(-4-n)*a(n+1), a(0) = 8, a(1) = 120, a(2) = 528, a(3) = 1520\}$ , ogf]  
A086302 9.74652 [ $-8*(x^2+10*x+1)/(x-1)^5$  ogf]  
A086325 26.2597  $-(3+3*x+x^3-x^2)/(x-1)/(x^2-x+2)$  lgdegf  
A086325 5.11878 [ $\{(n^2+7*n+12)*a(n+1)+(n^2+6*n+8)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 6\}$ , ogf]  
A086341 12.6836 [ $-(2*x+1)^2/(x+1)/(2*x^2-1)$  ogf]  
A086341 17.2443  $-(3+6*x+4*x^3+6*x^2)/(2*x+1)/(x+1)/(2*x^2-1)$  lgdogf  
A086341 6.90802 [ $\{-a(n+3)-a(n+2)+2*a(n+1)+2*a(n), a(0) = 1, a(1) = 3, a(2) = 3\}$ , ogf]  
A086344 16.6610 [ $-(2*x+1)/(4*x^2-2*x-1)$  ogf]  
A086344 17.6046  $1/4*(-1+2*x+(1+4*x+20*x^2)^{(1/2)})/(2*x+1)$  revogf  
A086344 22.5559  $-8*x*(x+1)/(2*x+1)/(4*x^2-2*x-1)$  lgdogf  
A086344 9.25611 [ $\{-a(n+2)-2*a(n+1)+4*a(n), a(0) = 1, a(1) = 0\}$ , ogf]  
A086346 4.23082 [ $\{a(n+3)-2*a(n+2)-12*a(n+1)-8*a(n), a(0) = 1, a(1) = 3, a(2) = 18\}$ , ogf]  
A086346 8.93172 [ $-(x+1)/(2*x+1)/(4*x^2+4*x-1)$  ogf]  
A086346 9.22215  $-(3+24*x+16*x^3+36*x^2)/(2*x+1)/(x+1)/(4*x^2+4*x-1)$  lgdogf  
A086347 10.8936  $1/2/(1+4*x)*(-1-4*x+((1+4*x)*(1+8*x))^{(1/2)})$  revogf  
A086347 10.9178 [ $-(x+1)/(4*x^2+4*x-1)$  ogf]  
A086347 14.0976  $-(5+8*x+4*x^2)/(x+1)/(4*x^2+4*x-1)$  lgdogf  
A086347 5.99146 [ $\{a(n+2)-4*a(n+1)-4*a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A086348 4.38848 [ $\{-a(n+3)+2*a(n+2)+12*a(n+1)+8*a(n), a(0) = 1, a(1) = 8, a(2) = 32\}$ , ogf]  
A086348 7.62975  $-8*(x+1)*(4*x^3+8*x^2+3*x+1)/(2*x+1)/(4*x^2+4*x-1)/(4*x^2+6*x+1)$  lgdogf  
A086348 8.06915 [ $-(4*x^2+6*x+1)/(2*x+1)/(4*x^2+4*x-1)$  ogf]  
A086349 4.09667 [ $\{a(n+4)-2*a(n+3)-12*a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9, a(2) = 40, a(3) = 200\}$ , ogf]  
A086349 7.46533  $-(9+44*x+96*x^3+32*x^4+100*x^2)/(1+2*x)/(x+1)/(4*x^2+4*x-1)/(4*x^2+6*x+1)$  lgdogf  
A086349 7.84714 [ $-(x+1)*(4*x^2+6*x+1)/(2*x+1)/(4*x^2+4*x-1)$  ogf]  
A086351 13.9355 [ $-(2*x-1)/(7*x^2-6*x+1)$  ogf]  
A086351 14.9892  $-1/2*(-1-6*x+(1+4*x+8*x^2)^{(1/2)})/(2+7*x)$  revogf  
A086351 16.1725  $-2*(2-7*x+7*x^2)/(2*x-1)/(7*x^2-6*x+1)$  lgdogf  
A086351 7.64754 [ $\{a(n+2)-6*a(n+1)+7*a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A086358 11.8862  $(-2-8*x+24*x^5-39*x^4+12*x^3+4*x^2)/(x-1)/(6*x^5-3*x^4+4*x^2+x+1)$  lgdogf  
A086358 12.9585 [ $-(6*x^5-3*x^4+4*x^2+x+1)/(x-1)$  ogf]  
A086388 10.9036  $-(1+3*x)/(-1+x)/(x+1)$  lgdogf  
A086388 11.4247  $[[1+x]$  ogf\_with\_Euler\_transform]  
A086388 6.55259 [ $1/(x+1)/(x-1)^2$  ogf]  
A086403 5.66031 [ $\{a(n+1)+(4*n+14)*a(n+2)-a(n+3), a(0) = 1, a(1) = 6, a(2) = 61\}$ , ogf]  
A086405 13.0511 [ $-(2*x-1)/(6*x^2-6*x+1)$  ogf]  
A086405 13.6889  $-1/4*(-1-6*x+(1+4*x+12*x^2)^{(1/2)})/(1+3*x)$  revogf  
A086405 14.7419  $-4*(1-3*x+3*x^2)/(-1+2*x)/(6*x^2-6*x+1)$  lgdogf  
A086405 7.16217 [ $\{a(n+2)-6*a(n+1)+6*a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A086443 14.3735 [ $-x^2/(4*x-1)/(3*x-1)^2$  ogf]  
A086443 21.5888  $-2*(-5+18*x)/(-1+4*x)/(3*x-1)$  lgdogf  
A086443 5.59674 [ $\{a(n+3)-10*a(n+2)+33*a(n+1)-36*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]

A086444 5.40602 [ $\{-a(n+3)+10*a(n+2)-31*a(n+1)+30*a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]  
A086444 8.41858  $-(3-40*x+330*x^4-420*x^3+197*x^2)/(-1+3*x)/(5*x-1)/(2*x-1)/(11*x^2-7*x+1)$  lgdogf  
A086444 9.64766 [ $-(11*x^2-7*x+1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A086445 10.4895 [ $(x^2+x-1)/(x+1)/(2*x-1)/(x-1)^2$  ogf]  
A086445 12.6748  $-(2-2*x+4*x^4+7*x^3-7*x^2)/(x-1)/(2*x-1)/(x+1)/(x^2+x-1)$  lgdogf  
A086445 3.84988 [ $\{(2*n+4)*a(n+1)-a(n+2)*n+(-2*n-3)*a(n+3)+(n+1)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7\}$ , ogf]  
A086453 5.49404 [ $-x*(1696000*x^10+5182*x^7+800*x^4+140*x^3-3*x^2-7*x-1)/(5*x-1)/(25*x^2+5*x+1)/(128*x^3-1)$  ogf]  
A086456 13.3425  $1/2*(x-1+(1-6*x+x^2)^{(1/2)})/x/(1-6*x+x^2)^{(1/2)}$  lgdogf  
A086462 11.8912 [ $(x+1)*(4*x+1)/(4*x-1)/(x-1)$  ogf]  
A086462 12.8686  $-10*(2*x-1)*(2*x+1)/(x-1)/(-1+4*x)/(4*x+1)/(x+1)$  lgdogf  
A086462 6.05993 [ $\{-a(n+3)+5*a(n+2)-4*a(n+1), a(0) = 1, a(1) = 10, a(2) = 50\}$ , ogf]  
A086500 10.5131  $-3*(3+9*x+x^5+11*x^4+14*x^3+26*x^2)/(x-1)/(x+1)/(x^4+8*x^3+6*x^2+8*x+1)$  lgdogf  
A086500 6.98424 [ $(x^4+8*x^3+6*x^2+8*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A086514 10.1239 [ $(2*x^3+x^2-2*x+1)/(x-1)^4$  ogf]  
A086514 17.3729  $-2*(1-2*x+4*x^2+x^3)/(x-1)/(2*x^3+x^2-2*x+1)$  lgdogf  
A086514 4.12457 [ $\{(55*n^2+299*n+378)*a(n+1)+(-104*n^2-424*n-228)*a(n+2)+(49*n^2+143*n-12)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 3\}$ , ogf]  
A086515 14.4111 [ $(3*x^2+2*x+1)/(x+1)/(x-1)^2$  ogf]  
A086515 18.7515  $-(3*x+1)*(x^2+2*x+3)/(x-1)/(x+1)/(3*x^2+2*x+1)$  lgdogf  
A086515 7.84892 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$ , ogf]  
A086520 13.5925 [ $-(x^4+x^3+2*x^2+2)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A086570 13.6643 [ $(x+1)^3/(x-1)^2$  ogf]  
A086570 39.5099  $[[5-3*x]$  ogf\_with\_Euler\_transform]  
A086570 45.4164  $(-5+x)/(x-1)/(x+1)$  lgdogf  
A086570 7.18556 [ $\{a(n+4)-2*a(n+3)+a(n+2), a(0) = 1, a(1) = 5, a(2) = 12, a(3) = 20\}$ , ogf]  
A086573 12.9378  $-1/20*(-18-11*x+3*(36+44*x+9*x^2)^{(1/2)})/x$  revogf  
A086573 13.8015 [ $18*x/(x-1)/(10*x-1)$  ogf]  
A086573 20.8996  $-(-11+20*x)/(10*x-1)/(x-1)$  lgdogf  
A086573 6.57215 [ $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 0, a(1) = 18\}$ , ogf]  
A086574 10.8678  $-1/20*(-11*x-27+3*(3*x^2+22*x+27)^{(1/2)}*3^{(1/2)})/x$  revogf  
A086574 15.5319 [ $27*x/(x-1)/(10*x-1)$  ogf]  
A086574 20.8996  $-(-11+20*x)/(10*x-1)/(x-1)$  lgdogf  
A086574 7.39615 [ $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 0, a(1) = 27\}$ , ogf]  
A086575 12.6370  $-1/20*(-36-11*x+3*(144+88*x+9*x^2)^{(1/2)})/x$  revogf  
A086575 13.8015 [ $36*x/(x-1)/(10*x-1)$  ogf]  
A086575 20.8996  $-(-11+20*x)/(10*x-1)/(x-1)$  lgdogf  
A086575 6.57215 [ $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 0, a(1) = 36\}$ , ogf]  
A086576 12.3498  $-1/20*(-45-11*x+3*(225+110*x+9*x^2)^{(1/2)})/x$  revogf  
A086576 13.8015 [ $45*x/(x-1)/(10*x-1)$  ogf]  
A086576 20.8996  $-(-11+20*x)/(10*x-1)/(x-1)$  lgdogf  
A086576 6.57215 [ $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 0, a(1) = 45\}$ , ogf]  
A086577 10.6547  $-1/20*(-54-11*x+3*(108+44*x+3*x^2)^{(1/2)}*3^{(1/2)})/x$  revogf  
A086577 13.8015 [ $54*x/(x-1)/(10*x-1)$  ogf]  
A086577 20.8996  $-(-11+20*x)/(10*x-1)/(x-1)$  lgdogf  
A086577 6.57215 [ $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 0, a(1) = 54\}$ , ogf]  
A086578 12.3498  $-1/20*(-63-11*x+3*(441+154*x+9*x^2)^{(1/2)})/x$  revogf  
A086578 13.8015 [ $63*x/(x-1)/(10*x-1)$  ogf]  
A086578 20.8996  $-(-11+20*x)/(10*x-1)/(x-1)$  lgdogf  
A086578 6.57215 [ $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 0, a(1) = 63\}$ , ogf]  
A086579 12.3498  $-1/20*(-72-11*x+3*(576+176*x+9*x^2)^{(1/2)})/x$  revogf  
A086579 13.8015 [ $72*x/(x-1)/(10*x-1)$  ogf]  
A086579 20.8996  $-(-11+20*x)/(10*x-1)/(x-1)$  lgdogf  
A086579 6.57215 [ $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 0, a(1) = 72\}$ , ogf]  
A086580 13.5847  $-1/20*(-81-11*x+9*(81+22*x+x^2)^{(1/2)})/x$  revogf

A086580 13.8015 [  $81x/(x-1)/(10x-1)$  ogf]  
A086580 20.8996  $-(-11+20x)/(10x-1)/(x-1)$  lgdogf  
A086580 6.57215 [  $\{a(n+2)-11a(n+1)+10a(n), a(0) = 0, a(1) = 81\}$ , ogf]  
A086581 12.5743  $-1/2*(-1-2x-x^2+((1+x)*(x^3+3x^2-x+1))^{(1/2)})/(1+x)$  revogf  
A086591 8.59365  $-6-x^3+(2x^3+18)*f(x)+(-x^3-18)*f(x)^2+6*f(x)^3$  lgdegf  
A086594 13.6260  $-2*(-2-x+2x^2)/(4x-1)/(x^2+8x-1)$  lgdogf  
A086594 15.2903 [  $2*(4x-1)/(x^2+8x-1)$  ogf]  
A086594 8.39100 [  $\{-a(n+2)+8a(n+1)+a(n), a(0) = 2, a(1) = 8\}$ , ogf]  
A086601 13.9125  $-(4+8x+x^4+2x^3+15x^2)/(x-1)/(x^4-x^3+6x^2-x+1)$  lgdogf  
A086601 7.61969 [  $-(x^4-x^3+6x^2-x+1)/(x-1)^5$  ogf]  
A086602 21.9358  $-3*(-4-2x+x^2)/(x-1)/(x^2-2x-2)$  lgdogf  
A086602 4.43125 [  $\{(n+2)*a(n+1)+(n^2+6n+12)*a(n+2)+(-n^2-3n-2)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A086602 8.40409 [  $x^2*(x^2-2x-2)/(x-1)^5$  ogf]  
A086603 14.9143  $-6*(4+21x+9x^2)/(3x-1)/(9x^2+12x+1)$  lgdogf  
A086603 7.66891 [  $x*(9x^2+12x+1)/(3x-1)^4$  ogf]  
A086604 14.9715  $-2*(11+64x+44x^2)/(2x-1)/(22x^2+14x+1)$  lgdogf  
A086604 8.37735 [  $x*(22x^2+14x+1)/(2x-1)^4$  ogf]  
A086605 17.9176  $-2*(10+61x+37x^2)/(x-1)/(37x^2+16x+1)$  lgdogf  
A086605 3.63596 [  $\{(-3-n)*a(n+4)+(-10-15n)*a(n+3)+(101-21n)*a(n+2)+(74+37n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 20, a(3) = 111\}$ , ogf]  
A086605 9.93829 [  $x*(37x^2+16x+1)/(x-1)^4$  ogf]  
A086615 3.36746 [  $\{(-3n-9)*a(n+1)+a(n+2)*n+(3n+15)*a(n+3)+(-n-6)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$ , ogf]  
A086616 10.2692  $-1/2*(-(x^2-6x+1)^{(1/2)}+3x*(x^2-6x+1)^{(1/2)}-x^2+1)/x/(x-1)/(x^2-6x+1)^{(1/2)}$  lgdogf  
A086616 4.14221 [  $\{(-n-2)*a(n+1)+(7n+23)*a(n+2)+(-7n-26)*a(n+3)+(n+5)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 31\}$ , ogf]  
A086622 12.2786  $-1/4*(-1-2x-x^2+(1+4x+6x^2-4x^3+x^4)^{(1/2)})/x^2$  revogf  
A086622 3.49395 [  $\{(-8n-20)*a(n+1)-4a(n+2)+(4n+20)*a(n+3)+(-n-6)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12\}$ , ogf]  
A086625 12.1727  $-1/2*(-1-x-x^2+(1+6x+3x^2-2x^3+x^4)^{(1/2)})/(x-1)/(1+x)$  revogf  
A086628 7.06764  $-1/2-1/2*x+1/2*x^3+1/2*(1+6x-6x^3+x^2-2x^4+x^6)^{(1/2)}$  revogf  
A086640 12.7448 [  $-(2x+7)*(x+1)/(x-1)^3$  ogf]  
A086640 21.1801  $-2*(15+11x+x^2)/(x-1)/(2x+7)/(x+1)$  lgdogf  
A086640 6.81961 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 7, a(1) = 30, a(2) = 71\}$ , ogf]  
A086644 5.33611  $-145843007127552x^6$  lgdogf  
A086651 5.65227 [  $-(2x^{14}-x^{11}+x^9-39x^8-5x^6+5x^5+3x^3+x^2+1)/(x-1)/(x^2+x-1)/(x^2-x-1)/(x^4-x^3+2x^2+x+1)/(x^4+x^3+2x^2-x+1)$  ogf]  
A086652 10.5987  $-(13+4x-50x^2-8x^3+40x^4)/(-1+2x)/(10x^2-x-6)/(2x^2-1)$  lgdogf  
A086652 10.6450 [  $-(10x^2-x-6)/(2x-1)/(2x^2-1)$  ogf]  
A086652 5.78939 [  $\{-a(n+3)+2a(n+2)+2a(n+1)-4a(n), a(0) = 6, a(1) = 13, a(2) = 28\}$ , ogf]  
A086653 11.1882 [  $-(2x^2-10x+5)/(2x-1)/(x-1)^2$  ogf]  
A086653 12.5913  $-2*(-5+18x+2x^3-18x^2)/(x-1)/(2x-1)/(2x^2-10x+5)$  lgdogf  
A086653 6.08479 [  $\{a(n+3)-4a(n+2)+5a(n+1)-2a(n), a(0) = 5, a(1) = 10, a(2) = 17\}$ , ogf]  
A086660 7.87993  $2*a(n+1)+(-3n-6)*a(n+2)+(5n+6+n^2)*a(n+3), a(0)=0, a(1)=-2, a(2)=-3$  lgdegf  
A086663 10.9182  $4*(-1+x+4x^6-9x^5+5x^4+x^3-3x^2)/(x-1)/(x+1)/(4x^5-8x^4+8x^3-4x^2+x+1)$  lgdogf  
A086663 11.2727 [  $(x+1)*(4x^5-8x^4+8x^3-4x^2+x+1)/(x-1)^2$  ogf]  
A086689 16.7302  $-(13+43x+16x^2)/(x-1)/(4x^2+7x+1)$  lgdogf  
A086689 7.18890 [  $(4x^2+7x+1)/(x-1)^6$  ogf]  
A086695 4.64393 [  $\{-a(n+3)+111a(n+2)-1110a(n+1)+1000a(n), a(0) = 89, a(1) = 9899, a(2) = 998999\}$ , ogf]  
A086695 8.09550 [  $(1000x^2-20x-89)/(x-1)/(100x-1)/(10x-1)$  ogf]  
A086742 7.58397 [  $(5x^{35}-5x^{34}+20x^{30}-20x^{29}+5x^{10}-5x^9+2x^5-2x^4+x^3-x+1)/(x-1)^2$  ogf]

A086743 5.59663 [  $-(x^{33}-x^{32}+x^{31}-x^{30}+x^{26}-x^{25}+x^{24}-x^{23}+x^{10}-x^9+x^8-x^7+x^3-x^2-1)/(x-1)^2$  ogf]  
A086746 18.6526  $3018*x/(1509+(2277081+3018*x)^{(1/2)})^2$  revogf  
A086746 20.0807 [  $3018/(x-1)^2$  ogf]  
A086746 8.21482 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 3018, a(1) = 6036\}$ , ogf]  
A086746 88.5998  $-2/(x-1)$  lgdogf  
A086755 20.2848  $-2*(x+5)*(2*x+1)/(x-1)/(x^2+4*x+1)$  lgdogf  
A086755 3.50022 [  $\{(n+4)*a(n+4)+(-1+3*n)*a(n+3)+(-28-3*n)*a(n+2)+(-5-n)*a(n+1), a(0) = 2, a(1) = 20, a(2) = 92, a(3) = 292\}$ , ogf]  
A086755 7.99483 [  $2*(x^2+4*x+1)/(x-1)^6$  ogf]  
A086760 12.6146 [  $(37*x^2-10*x-43)/(x-1)^3$  ogf]  
A086760 18.8663  $-(-139+54*x+37*x^2)/(x-1)/(37*x^2-10*x-43)$  lgdogf  
A086760 6.90032 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 43, a(1) = 139, a(2) = 251\}$ , ogf]  
A086790 9.75281 [  $(x^9-x^8+x^5-x^4+2*x^3+x^2+1)/(x-1)^2$  ogf]  
A086790 9.78877  $(-2-2*x+7*x^9-15*x^8+8*x^7+3*x^5-7*x^4+6*x^3-6*x^2)/(x-1)/(x^9-x^8+x^5-x^4+2*x^3+x^2+1)$  lgdogf  
A086796 5.24544 [  $(2*x^7-5*x^6+x^5+5*x^4-9*x^2+6*x-3)/(x-1)^5$  ogf]  
A086814 8.00813 [  $(x^8-x^7+x^4-x^3+x^2+x+2)/(x-1)^2$  ogf]  
A086814 8.63693  $(-5-3*x+7*x^6-13*x^7+2*x^4-5*x^3+6*x^8+3*x^2)/(x-1)/(x^8-x^7+x^4-x^3+x^2+x+2)$  lgdogf  
A086822 15.3990 [  $(x^3-4*x+6)/(x-1)^2$  ogf]  
A086822 17.9301  $(-8+4*x+x^3-3*x^2)/(x-1)/(x^3-4*x+6)$  lgdogf  
A086822 7.03576 [  $\{a(n+4)-2*a(n+3)+a(n+2), a(0) = 6, a(1) = 8, a(2) = 10, a(3) = 13\}$ , ogf]  
A086828 4.71603 [  $\{(n+3)*a(n+1)-a(n+3)+a(n+2), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 7\}$ , ogf]  
A086848 5.35769  $-(-43-153*x+636*x^7+96*x^8+194*x^2+794*x^3-248*x^4-1318*x^5+12*x^6+96*x^9)/(x-1)/(x+1)/(2*x^2-1)/(48*x^6+34*x^4-x^3-113*x^2+x+42)$  lgdogf  
A086848 5.78436 [  $(48*x^6+34*x^4-x^3-113*x^2+x+42)/(2*x^2-1)/(x+1)^2/(x-1)^3$  ogf]  
A086850 13.6718  $(-1-6*x+120*x^5-20*x^4+32*x^3+12*x^2)/(-3*x^2+1-x+8*x^4+4*x^3+20*x^6-4*x^5)$  lgdogf  
A086858 19.0721  $(-1+25*x^26-26*x^25+2*x^3-3*x^2)/(x-1)/(x^26+x^3+1)$  lgdogf  
A086858 19.8259 [  $-(x^26+x^3+1)/(x-1)$  ogf]  
A086864 25.7510  $-30*(1+6*x)/(15*x+1)/(3*x-1)$  lgdogf  
A086864 4.67257 [  $\{-n*a(n+3)+(42-12*n)*a(n+2)+(90+45*n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A086864 8.42149 [  $-x^3*(15*x+1)/(3*x-1)^5$  ogf]  
A086866 17.0955  $-(17-36*x+16*x^2)/(8*x-5)/(x-1)/(2*x-1)$  lgdogf  
A086866 4.64455 [  $\{a(n+5)-6*a(n+4)+12*a(n+3)-8*a(n+2), a(0) = 0, a(1) = 0, a(2) = 5, a(3) = 17, a(4) = 50\}$ , ogf]  
A086866 9.48535 [  $-x^2*(8*x-5)*(x-1)/(2*x-1)^3$  ogf]  
A086871 18.2671  $1/2+1/2*x-1/2*(9*x^2-2*x+1)^{(1/2)}$  revogf  
A086871 9.56849  $1/2*((x-1)^{(1/2)}*(9*x-1)^{(1/2)}-x+1)/x/(x-1)^{(3/2)}/(9*x-1)^{(1/2)}$  lgdogf  
A086893 11.0574  $-(3+4*x+8*x^4-16*x^3-2*x^2)/(x-1)/(2*x+1)/(2*x-1)/(2*x^2-2*x-1)$  lgdogf  
A086893 11.6472 [  $-(2*x^2-2*x-1)/(2*x-1)/(2*x+1)/(x-1)$  ogf]  
A086893 6.34354 [  $\{-a(n+3)+a(n+2)+4*a(n+1)-4*a(n), a(0) = 1, a(1) = 3, a(2) = 5\}$ , ogf]  
A086901 13.6568 [  $(3*x-1)/(3*x^2+4*x-1)$  ogf]  
A086901 15.4363  $1/6*(-1-4*x+(1-4*x+28*x^2)^{(1/2)})/(x-1)$  revogf  
A086901 16.2707  $-(-1-6*x+9*x^2)/(3*x-1)/(3*x^2+4*x-1)$  lgdogf  
A086901 7.49459 [  $\{-a(n+2)+4*a(n+1)+3*a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A086902 12.9815 [  $(7*x-2)/(x^2+7*x-1)$  ogf]  
A086902 16.3481  $-(-7-4*x+7*x^2)/(7*x-2)/(x^2+7*x-1)$  lgdogf  
A086902 7.12399 [  $\{-a(n+2)+7*a(n+1)+a(n), a(0) = 2, a(1) = 7\}$ , ogf]  
A086903 13.5806 [  $-2*(4*x-1)/(x^2-8*x+1)$  ogf]  
A086903 17.6219  $-2*(2-x+2*x^2)/(4*x-1)/(x^2-8*x+1)$  lgdogf

A086903 7.45279 [ $\{a(n+2)-8*a(n+1)+a(n), a(0) = 2, a(1) = 8\}$ , ogf]  
A086905 3.71778 [ $\{(4*n+12)*a(n+1)+(4*n+14)*a(n+2)+(-n-3)*a(n+3)+(-n-5)*a(n+4), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 1\}$ , ogf]  
A086926 17.4825  $-3*(2+4*x+x^4+6*x^2)/(x^2+x-1)/(1+x^3+3*x)$  lgdogf  
A086926 4.21170 [ $\{(n^2+5*n+6)*a(n+1)+(n^2+3*n)*a(n+2)+(-n^2-n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6\}$ , ogf]  
A086926 9.62675 [ $-x^2*(x^3+3*x+1)/(x^2+x-1)^3$  ogf]  
A086927 11.8075 [ $2*(5*x-1)/(x^2+10*x-1)$  ogf]  
A086927 15.0942  $-(-5-2*x+5*x^2)/(5*x-1)/(x^2+10*x-1)$  lgdogf  
A086927 6.60656 [ $\{-a(n+2)+10*a(n+1)+a(n), a(0) = 2, a(1) = 10\}$ , ogf]  
A086928 10.6697 [ $2*(6*x-1)/(x^2+12*x-1)$  ogf]  
A086928 13.6151  $-2*(-3-x+3*x^2)/(6*x-1)/(x^2+12*x-1)$  lgdogf  
A086928 5.96998 [ $\{-a(n+2)+12*a(n+1)+a(n), a(0) = 2, a(1) = 12\}$ , ogf]  
A086940 10.9787  $-1/20*(-16-11*x+(256+432*x+81*x^2)^(1/2))/(-2+x)$  revogf  
A086940 10.9859 [ $4*(5*x+4)/(x-1)/(10*x-1)$  ogf]  
A086940 12.8531  $-(-49+80*x+50*x^2)/(x-1)/(5*x+4)/(10*x-1)$  lgdogf  
A086940 6.18747 [ $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 16, a(1) = 196\}$ , ogf]  
A086941 10.9859 [ $6*(5*x+4)/(x-1)/(10*x-1)$  ogf]  
A086941 11.2123  $-1/20*(-24-11*x+3*(64+72*x+9*x^2)^(1/2))/(-3+x)$  revogf  
A086941 12.8531  $-(-49+80*x+50*x^2)/(x-1)/(5*x+4)/(10*x-1)$  lgdogf  
A086941 6.18747 [ $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 24, a(1) = 294\}$ , ogf]  
A086942 10.7546  $-1/20*(-32-11*x+(1024+864*x+81*x^2)^(1/2))/(-4+x)$  revogf  
A086942 10.9859 [ $8*(5*x+4)/(x-1)/(10*x-1)$  ogf]  
A086942 12.8531  $-(-49+80*x+50*x^2)/(x-1)/(5*x+4)/(10*x-1)$  lgdogf  
A086942 6.18747 [ $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 32, a(1) = 392\}$ , ogf]  
A086943 10.9787  $-1/20*(-23-11*x+(529+666*x+81*x^2)^(1/2))/(-4+x)$  revogf  
A086943 10.9859 [ $(40*x+23)/(x-1)/(10*x-1)$  ogf]  
A086943 11.4560  $-(-293+460*x+400*x^2)/(x-1)/(40*x+23)/(10*x-1)$  lgdogf  
A086943 6.18747 [ $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 23, a(1) = 293\}$ , ogf]  
A086944 10.9787  $-1/20*(-42-11*x+3*((9*x+98)*(x+2))^(1/2))/(-3+x)$  revogf  
A086944 10.9859 [ $6*(5*x+7)/(x-1)/(10*x-1)$  ogf]  
A086944 12.2553  $-2*(-41+70*x+25*x^2)/(x-1)/(5*x+7)/(10*x-1)$  lgdogf  
A086944 6.18747 [ $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 42, a(1) = 492\}$ , ogf]  
A086945 10.5395  $-1/20*(-61-11*x+(3721+1422*x+81*x^2)^(1/2))/(-2+x)$  revogf  
A086945 10.9859 [ $(20*x+61)/(x-1)/(10*x-1)$  ogf]  
A086945 11.2123  $-(-691+1220*x+200*x^2)/(x-1)/(20*x+61)/(10*x-1)$  lgdogf  
A086945 6.18747 [ $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 61, a(1) = 691\}$ , ogf]  
A086946 10.9787  $-1/20*(-14-11*x+(196+468*x+81*x^2)^(1/2))/(-4+x)$  revogf  
A086946 10.9859 [ $2*(20*x+7)/(x-1)/(10*x-1)$  ogf]  
A086946 11.9768  $-(-97+140*x+200*x^2)/(x-1)/(20*x+7)/(10*x-1)$  lgdogf  
A086946 6.18747 [ $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 14, a(1) = 194\}$ , ogf]  
A086947 10.9859 [ $3*(20*x+7)/(x-1)/(10*x-1)$  ogf]  
A086947 11.2123  $-1/20*(-21-11*x+3*(49+78*x+9*x^2)^(1/2))/(-6+x)$  revogf  
A086947 11.9768  $-(-97+140*x+200*x^2)/(x-1)/(20*x+7)/(10*x-1)$  lgdogf  
A086947 6.18747 [ $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 21, a(1) = 291\}$ , ogf]  
A086948 10.9859 [ $12*(5*x+1)/(x-1)/(10*x-1)$  ogf]  
A086948 11.2123  $-1/20*(-12-11*x+3*(16+56*x+9*x^2)^(1/2))/(-6+x)$  revogf  
A086948 12.8531  $-2*(5*x+4)*(5*x-2)/(x-1)/(5*x+1)/(10*x-1)$  lgdogf  
A086948 6.18747 [ $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 12, a(1) = 192\}$ , ogf]  
A086949 10.5395  $-1/20*(-41-11*x+(1681+1062*x+81*x^2)^(1/2))/(-4+x)$  revogf  
A086949 10.9859 [ $(40*x+41)/(x-1)/(10*x-1)$  ogf]  
A086949 11.4560  $-(-491+820*x+400*x^2)/(x-1)/(40*x+41)/(10*x-1)$  lgdogf  
A086949 6.18747 [ $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 41, a(1) = 491\}$ , ogf]  
A086950 11.3650 [ $-x*(6*x+1)/(2*x-1)^3$  ogf]  
A086950 24.0474  $-12*(1+2*x)/(6*x+1)/(2*x-1)$  lgdogf  
A086950 5.83335 [ $\{a(n+3)-6*a(n+2)+12*a(n+1)-8*a(n), a(0) = 0, a(1) = 1, a(2) = 12\}$ , ogf]  
A086951 11.1501 [ $-x*(5*x+1)/(3*x-1)^3$  ogf]  
A086951 24.0119  $-2*(7+15*x)/(5*x+1)/(3*x-1)$  lgdogf  
A086951 5.77067 [ $\{a(n+3)-9*a(n+2)+27*a(n+1)-27*a(n), a(0) = 0, a(1) = 1, a(2) = 14\}$ , ogf]



A086952 20.8606  $-16*(1+2*x)/(4*x-1)/(4*x+1)$  lgdogf  
A086952 4.97713  $[ \{a(n+3)-12*a(n+2)+48*a(n+1)-64*a(n), a(0) = 0, a(1) = 1, a(2) = 16\},$  ogf]  
A086952 9.53950  $[ -x*(4*x+1)/(4*x-1)^3$  ogf]  
A086953 12.7060  $[ -(3*x^2-3*x+1)/(2*x-1)/(x^2-x+1)$  ogf]  
A086953 16.6947  $-6*x^2*(x-1)^2/(2*x-1)/(x^2-x+1)/(3*x^2-3*x+1)$  lgdogf  
A086953 7.04605  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 0, a(2) = 0\},$  ogf]  
A086954 3.43504  $[ \{(6*n+28)*a(n+1)+(-9*n-39)*a(n+2)+(9*n+39)*a(n+3)+(-3*n-11)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 14\},$  ogf]  
A086954 8.96681  $[ -(x-1)*(5*x^2-3*x+1)/(x^2-x+1)/(2*x-1)^2$  ogf]  
A086954 9.66913  $-(-1+10*x^5-27*x^4+20*x^3-5*x^2)/(x-1)/(2*x-1)/(x^2-x+1)/(5*x^2-3*x+1)$  lgdogf  
A086955 11.9061  $[ -(2*x^3-3*x^2+4*x+1)/(x+1)/(x-1)^3$  ogf]  
A086955 14.3906  $-2*(3+3*x-x^3+x^4+6*x^2)/(x-1)/(x+1)/(2*x^3-3*x^2+4*x+1)$  lgdogf  
A086970 11.4389  $[ (2*x^3-3*x^2+4*x+1)/(x+1)/(x-1)^2$  ogf]  
A086970 15.7723  $(-5-x-11*x^2+x^3)/(x-1)/(x+1)/(2*x^3-3*x^2+4*x+1)$  lgdogf  
A086970 5.97945  $[ \{-a(n+4)+a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 5, a(2) = 3, a(3) = 9\},$  ogf]  
A086972 10.2277  $[ -(5*x^2-4*x+1)/(x-1)/(3*x-1)^2$  ogf]  
A086972 12.1813  $-(-3+5*x)*(3*x^2-2*x+1)/(x-1)/(3*x-1)/(5*x^2-4*x+1)$  lgdogf  
A086972 5.56245  $[ \{a(n+3)-7*a(n+2)+15*a(n+1)-9*a(n), a(0) = 1, a(1) = 3, a(2) = 11\},$  ogf]  
A086984 4.97797  $[ (14*x^4-19*x^3+9*x^2-3*x+1)/(2*x-1)^3/(x-1)^3$  egf]  
A086990 11.0198  $-(-x-1+3*x*(1+4*x^2)^{1/2}+(1+4*x^2)^{1/2})/(3*x+2)/(1+4*x^2)^{1/2}/x$  lgdogf  
A086990 28.8209  $-x*(-1+2*x)/(-1+3*x)/(x-1)$  revogf  
A086990 4.34238  $[ \{-12*a(n)*n-8*a(n+1)*n+(-3*n-9)*a(n+2)+(-2*n-6)*a(n+3), a(0) = 0, a(1) = 1, a(2) = -2\},$  ogf]  
A087009 13.9058  $[ (2*x^4-2*x^2+2*x-1)/(2*x-1)$  ogf]  
A087009 14.8251  $4*x*(1-2*x^2+3*x^3-x)/(2*x-1)/(2*x^4-2*x^2+2*x-1)$  lgdogf  
A087009 6.88793  $[ \{-a(n+5)+2*a(n+4), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 4, a(4) = 6\},$  ogf]  
A087035 8.65044  $[ -(x^3-3*x^2-x-1)/(x+1)/(x-1)^4$  ogf]  
A087047 4.21756  $[ \{(-n^3-12*n^2-47*n-60)*a(n+1)+6*a(n+2), a(0) = 1, a(1) = 4\},$  ogf]  
A087076 10.1783  $[ x*(2*x+1)/(2*x-1)^4$  ogf]  
A087076 26.2400  $-2*(5+6*x)/(2*x-1)/(2*x+1)$  lgdogf  
A087076 5.08916  $[ \{(n+2)*a(n+3)-10*a(n+2)+(-12-4*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 10\},$  ogf]  
A087098 6.96406  $[ -x*(22*x^3+x^2-11*x-1)/(2*x^2-1)/(x+1)^2/(x-1)^3$  ogf]  
A087098 8.34190  $-(12+18*x+176*x^6+54*x^5-130*x^4-61*x^3-3*x^2)/(x-1)/(x+1)/(2*x^2-1)/(22*x^3+x^2-11*x-1)$  lgdogf  
A087099 14.2976  $-(3+9*x+2*x^4+4*x^3+12*x^2)/(x-1)/(x+1)/(x^3+x^2+2*x+1)$  lgdogf  
A087099 9.43639  $[ -(x^3+x^2+2*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A087100 9.04338  $-(-11+6*x+132*x^6+8*x^5-11*x^2-14*x^3-88*x^4)/(x-1)/(x+1)/(2*x^2-1)/(22*x^3+x^2-11*x-1)$  lgdogf  
A087100 9.99090  $[ x*(22*x^3+x^2-11*x-1)/(2*x^2-1)/(x-1)^2/(x+1)^2$  ogf]  
A087113 23.6588  $-2/(-1+x)$  lgdogf  
A087113 6.83764  $[ 2/(x-1)^2$  ogf]  
A087113 9.25780  $2*x/(1+(2*x+1)^{1/2})^2$  revogf  
A087120 10.0386  $2*x*(-10+16*x^3-40*x^2+37*x)/(x-1)/(4*x-1)/(8*x^3-14*x^2+5*x-1)$  lgdogf  
A087120 10.3543  $[ -(8*x^3-14*x^2+5*x-1)/(4*x-1)/(x-1)$  ogf]  
A087120 5.58231  $[ \{a(n+4)-5*a(n+3)+4*a(n+2), a(0) = 1, a(1) = 0, a(2) = 10, a(3) = 42\},$  ogf]  
A087123 10.0995  $-(-2+2*x+x^6+4*x^5-3*x^4-4*x^3+3*x^2)/(x-1)/(x^2+3*x+1)/(x^2+x-1)/(x^2-x-1)$  lgdogf  
A087123 11.7234  $[ -(x-1)*(x^2+3*x+1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A087124 8.16389  $-(-3-12*x+9*x^4-8*x^3+2*x^6-6*x^5+15*x^2)/(2*x-1)/(x^2-3*x+1)/(x^2+x-1)/(x^2-x-1)$  lgdogf

A087124 8.65506 [  $-(2*x-1)*(x^2-x-1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A087125 10.0868  $-2*(-27+55*x+x^3-13*x^2)/(x-5)/(x-1)/(1-10*x+x^2)$  lgdogf  
A087125 12.0749 [  $x*(x-5)/(x-1)/(x^2-10*x+1)$  ogf]  
A087125 6.24928 [  $\{-a(n+3)+11*a(n+2)-11*a(n+1)+a(n), a(0) = 0, a(1) = 5, a(2) = 54\}$ , ogf]  
A087130 12.5840 [  $(5*x-2)/(x^2+5*x-1)$  ogf]  
A087130 15.8315  $-(-5-4*x+5*x^2)/(5*x-2)/(x^2+5*x-1)$  lgdogf  
A087130 6.90587 [  $\{-a(n+2)+5*a(n+1)+a(n), a(0) = 2, a(1) = 5\}$ , ogf]  
A087131 14.0915 [  $2*(x-1)/(4*x^2+2*x-1)$  ogf]  
A087131 17.7498  $-(-1-8*x+4*x^2)/(x-1)/(4*x^2+2*x-1)$  lgdogf  
A087131 7.73316 [  $\{-a(n+2)+2*a(n+1)+4*a(n), a(0) = 2, a(1) = 2\}$ , ogf]  
A087137 3.56375 [  $\{(n^3+7*n^2+16*n+12)*a(n+1)+(-n^2-6*n-9)*a(n+2)+(-n-3)*a(n+3)+a(n+4), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 6\}$ , ogf]  
A087138 34.3444  $-1+\exp(-x*(-1+x))$  revegf  
A087152 30.8320  $-1+\exp(x/(x+1)^2)$  revegf  
A087156 19.8574 [  $-x*(x-2)/(x-1)^2$  ogf]  
A087156 33.1028  $x/(1+x)^{(1/2)}/(1+(1+x)^{(1/2)})$  revogf  
A087156 53.3323  $-(x-3)/(x-1)/(x-2)$  lgdogf  
A087156 9.63379 [  $\{a(n+3)-2*a(n+2)+a(n+1), a(0) = 0, a(1) = 2, a(2) = 3\}$ , ogf]  
A087161 12.0488  $-2*(-1+6*x+6*x^3-12*x^2)/(x-1)/(-1+3*x)/(2*x^2-4*x+1)$  lgdogf  
A087161 12.2947 [  $(3*x-1)/(x-1)/(2*x^2-4*x+1)$  ogf]  
A087161 5.81804 [  $\{a(n+3)-5*a(n+2)+6*a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A087164 4.58874 [  $(x^4-2*x^3+x^2+4*x-1)/(x-1)/(3*x^2-5*x+1)$  ogf]  
A087168 16.6131 [  $(2*x+1)/(4*x^2+3*x+1)$  ogf]  
A087168 19.0591  $-1/4*(-1+3*x+(1+2*x-7*x^2)^{(1/2)})/(-1+2*x)$  revogf  
A087168 22.2357  $-(1+8*x+8*x^2)/(2*x+1)/(4*x^2+3*x+1)$  lgdogf  
A087168 9.11693 [  $\{-a(n+2)-3*a(n+1)-4*a(n), a(0) = 1, a(1) = -1\}$ , ogf]  
A087169 17.4351 [  $(3*x+1)/(9*x^2+5*x+1)$  ogf]  
A087169 19.0292  $-1/6*(5*x-1+(-11*x^2+2*x+1)^{(1/2)})/(-1+3*x)$  revogf  
A087169 21.5330  $-(2+18*x+27*x^2)/(3*x+1)/(9*x^2+5*x+1)$  lgdogf  
A087169 9.56806 [  $\{a(n+2)+5*a(n+1)+9*a(n), a(0) = 1, a(1) = -2\}$ , ogf]  
A087170 16.3613 [  $(4*x+1)/(16*x^2+7*x+1)$  ogf]  
A087170 16.6371  $-1/8*(7*x-1+(-1+5*x)*(-1+3*x)^{(1/2)})/(-1+4*x)$  revogf  
A087170 20.0498  $-(8*x+3)*(1+8*x)/(4*x+1)/(16*x^2+7*x+1)$  lgdogf  
A087170 9.06772 [  $\{a(n+2)+7*a(n+1)+16*a(n), a(0) = 1, a(1) = -3\}$ , ogf]  
A087171 15.5448 [  $(5*x+1)/(25*x^2+9*x+1)$  ogf]  
A087171 17.0728  $-1/10*(-1+9*x+(1+2*x-19*x^2)^{(1/2)})/(5*x-1)$  revogf  
A087171 18.3532  $-(4+50*x+125*x^2)/(5*x+1)/(25*x^2+9*x+1)$  lgdogf  
A087171 8.61519 [  $\{a(n+2)+9*a(n+1)+25*a(n), a(0) = 1, a(1) = -4\}$ , ogf]  
A087204 11.6752 [  $\{a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 1\}$ , ogf]  
A087204 21.2749 [  $-(x-2)/(x^2-x+1)$  ogf]  
A087204 41.9551  $-(1-4*x+x^2)/(x-2)/(x^2-x+1)$  lgdogf  
A087205 14.6482 [  $-(4*x+1)/(4*x^2-2*x-1)$  ogf]  
A087205 16.0193  $1/8*(-1+2*x+((2*x+1)*(10*x+1))^{(1/2)})/(1+x)$  revogf  
A087205 18.1271  $-2*(1+4*x+8*x^2)/(4*x+1)/(4*x^2-2*x-1)$  lgdogf  
A087205 8.03863 [  $\{a(n+2)+2*a(n+1)-4*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A087206 13.8054  $1/4*(-2*x-1+((2*x+1)*(10*x+1))^{(1/2)})/(2*x+1)$  revogf  
A087206 14.0915 [  $-(2*x+1)/(4*x^2+2*x-1)$  ogf]  
A087206 16.3485  $-4*(1+2*x+2*x^2)/(2*x+1)/(4*x^2+2*x-1)$  lgdogf  
A087206 7.73316 [  $\{a(n+2)-2*a(n+1)-4*a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A087208 23.0166  $(-1-2*x+x^2)/(-1+x)/(x+1)$  lgdegf  
A087208 3.24636 [  $\{(n^2+5*n+6)*a(n+1)+(-n^2-7*n-12)*a(n+2)+a(n+4)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 7\}$ , ogf]  
A087211 4.95615 [  $\{a(n+4)-4*a(n+3)+a(n+2)+6*a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 12\}$ , ogf]  
A087211 9.36210  $2*(1-4*x+11*x^4-4*x^3+4*x^2)/(x-1)/(-1+3*x)/(2*x-1)/(x+1)/(4*x^2+x-1)$  lgdogf  
A087211 9.55316 [  $(x-1)*(4*x^2+x-1)/(3*x-1)/(2*x-1)/(x+1)$  ogf]  
A087213 12.1399 [  $(4*x^2-x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A087213 13.7270  $-4*x^2*(4*x^2-2*x-3)/(2*x+1)/(2*x-1)/(x+1)/(4*x^2-x-1)$  lgdogf

A087213 6.73215 [ $\{a(n+3)+a(n+2)-4*a(n+1)-4*a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , ogf]  
A087214 11.0956  $-2-2*x+x^2+(4+2*x-2*x^2)*f(x)+(-2+x^2)*f(x)^2$  lgdegf  
A087214 3.98573 [ $\{(-n^2-5*n-6)*a(n+1)+(n^2+7*n+12)*a(n+2)-2*a(n+4)+2*a(n+3), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 4\}$ , ogf]  
A087215 13.7754 [ $-2*(9*x-1)/(x^2-18*x+1)$  ogf]  
A087215 13.8630  $-(9-2*x+9*x^2)/(9*x-1)/(x^2-18*x+1)$  lgdogf  
A087215 7.70765 [ $\{a(n+2)-18*a(n+1)+a(n), a(0) = 2, a(1) = 18\}$ , ogf]  
A087216 4.07191 [ $\{(-216*n^2-648*n-462)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 30\}$ , ogf]  
A087221 19.7091 [ $-1/(x+1)/(x^{15}-x^{14}+x^{13}-x^{12}+x^{11}-x^{10}+x^9-x^8+x^7-x^6+x^5-x^4+2*x^3-2*x^2+2*x-1)$  ogf]  
A087221 8.28961  $-(1+4*x^3+16*x^{15})/(x+1)/(x^{15}-x^{14}+x^{13}-x^{12}+x^{11}-x^{10}+x^9-x^8+x^7-x^6+x^5-x^4+2*x^3-2*x^2+2*x-1)$  lgdogf  
A087231 5.37466 [ $\{a(n+5)-a(n+4)-4*a(n+3)+4*a(n+2), a(0) = 1, a(1) = 4, a(2) = 6, a(3) = 2, a(4) = 26\}$ , ogf]  
A087231 9.86489 [ $(16*x^4-16*x^3-2*x^2+3*x+1)/(2*x-1)/(2*x+1)/(x-1)$  ogf]  
A087265 11.6965 [ $-(47*x-2)/(x^2-47*x+1)$  ogf]  
A087265 13.4725  $-1/2*(-2-47*x+(4+2205*x^2)^{(1/2)})/(x+47)$  revogf  
A087265 14.1816  $-(47-4*x+47*x^2)/(47*x-2)/(x^2-47*x+1)$  lgdogf  
A087265 6.54445 [ $\{a(n+2)-47*a(n+1)+a(n), a(0) = 2, a(1) = 47\}$ , ogf]  
A087278 10.3894  $-2*(1+2*x+x^7-x^6-2*x^5+4*x^4+x^3+3*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^4-2*x^3+x^2+1)$  lgdogf  
A087278 8.03270 [ $-x*(x+1)*(x^4-2*x^3+x^2+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A087279 15.1989  $-(3+7*x+2*x^4-5*x^3+5*x^2)/(x-1)/(x+1)/(x^3-2*x^2+x+2)$  lgdogf  
A087279 9.35807 [ $-x*(x^3-2*x^2+x+2)/(x+1)^2/(x-1)^3$  ogf]  
A087281 15.6203 [ $(29*x-2)/(x^2+29*x-1)$  ogf]  
A087281 18.5280  $-(29-4*x+29*x^2)/(29*x-2)/(x^2+29*x-1)$  lgdogf  
A087281 8.73993 [ $\{-a(n+2)+29*a(n+1)+a(n), a(0) = 2, a(1) = 29\}$ , ogf]  
A087287 17.1801 [ $2*(38*x-1)/(x^2+76*x-1)$  ogf]  
A087287 20.4136  $-2*(-19-x+19*x^2)/(38*x-1)/(x^2+76*x-1)$  lgdogf  
A087287 9.61268 [ $\{-a(n+2)+76*a(n+1)+a(n), a(0) = 2, a(1) = 76\}$ , ogf]  
A087288 11.3153 [ $-2*(x^2+2*x-2)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A087288 12.0803  $-2*(1+x+x^4+4*x^3-6*x^2)/(x-1)/(2*x-1)/(x+1)/(x^2+2*x-2)$  lgdogf  
A087288 6.10825 [ $\{-a(n+3)+2*a(n+2)+a(n+1)-2*a(n), a(0) = 4, a(1) = 4, a(2) = 10\}$ , ogf]  
A087289 11.2986 [ $-3*(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A087289 12.1038  $-1/4*(-3-5*x+(9+6*x+9*x^2)^{(1/2)})/(3+2*x)$  revogf  
A087289 13.7849  $-(3-8*x+8*x^2)/(x-1)/(2*x-1)/(4*x-1)$  lgdogf  
A087289 6.20043 [ $\{a(n+2)-5*a(n+1)+4*a(n), a(0) = 3, a(1) = 9\}$ , ogf]  
A087290 14.7237 [ $-8*(3*x-1)/(9*x-1)/(x-1)$  ogf]  
A087290 17.0008  $-(7-18*x+27*x^2)/(-1+x)/(-1+3*x)/(9*x-1)$  lgdogf  
A087290 17.4367  $-1/3*(-4-5*x+4*(1+x+x^2)^{(1/2)})/(8+3*x)$  revogf  
A087290 8.23826 [ $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 8, a(1) = 56\}$ , ogf]  
A087291 4.44554 [ $\{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 0, a(1) = 2, a(2) = 18\}$ , ogf]  
A087291 8.66114 [ $-2*x*(2*x+1)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A087291 9.30589  $-(9-28*x+32*x^3-4*x^2)/(-1+x)/(2*x+1)/(2*x-1)/(4*x-1)$  lgdogf  
A087292 11.1132 [ $-24*x*(3*x+1)/(x-1)/(3*x-1)/(9*x-1)$  ogf]  
A087292 11.9304  $-2*(8-39*x+81*x^3-18*x^2)/(-1+x)/(-1+3*x)/(1+3*x)/(9*x-1)$  lgdogf  
A087292 5.88904 [ $\{a(n+3)-13*a(n+2)+39*a(n+1)-27*a(n), a(0) = 0, a(1) = 24, a(2) = 384\}$ , ogf]  
A087323 14.3494 [ $x*(4*x-3)/(x-1)/(2*x-1)^2$  ogf]  
A087323 20.7056  $-(11-26*x+16*x^2)/(x-1)/(4*x-3)/(2*x-1)$  lgdogf  
A087323 7.30281 [ $\{-a(n+3)+5*a(n+2)-8*a(n+1)+4*a(n), a(0) = 0, a(1) = 3, a(2) = 11\}$ , ogf]  
A087327 10.3910 [ $(x^6-2*x^5+2*x^3-2*x^2-1)/(x+1)/(x-1)^3$  ogf]  
A087327 11.6298  $2*(1+4*x-x^2+x^7-2*x^6-x^5+4*x^4)/(x-1)/(x+1)/(x^6-2*x^5+2*x^3-2*x^2-1)$  lgdogf  
A087328 4.49952 [ $(x^{15}-2*x^{14}+2*x^{12}-x^{11}+x^9-3*x^8-x^7+4*x^6+x^5-6*x^4+2*x^3+2*x^2-x-1)/(x+1)/(x^2+1)/(x^4-x^2+1)/(x-1)^3$  ogf]

A087330 6.20608 [  $5x^*(25x^2+8x+3)/(10x-1)^2/(x-1)^2$  ogf]  
A087330 8.69171  $-2*(-37-9x+250x^3+120x^2)/(x-1)/(-1+10x)/(25x^2+8x+3)$  lgdogf  
A087348 12.6599 [  $-(x^2+14x+5)/(x-1)^3$  ogf]  
A087348 24.0613  $-(x+29)*(x+1)/(x-1)/(x^2+14x+5)$  lgdogf  
A087348 6.88518 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 5, a(1) = 29, a(2) = 73\}$ , ogf]  
A087404 13.5319 [  $2*(2x-1)/(x+1)/(5x-1)$  ogf]  
A087404 14.9143  $-2*(-1-5x+5x^2)/(-1+2x)/(5x-1)/(x+1)$  lgdogf  
A087404 7.42604 [  $\{-a(n+2)+4a(n+1)+5a(n), a(0) = 2, a(1) = 4\}$ , ogf]  
A087405 11.3727 [  $-2*(2x-1)*(x-1)/(x+1)/(5x-1)$  ogf]  
A087405 13.4179  $(-1-14x+23x^2)/(x-1)/(2x-1)/(5x-1)/(x+1)$  lgdogf  
A087405 5.85197 [  $\{-a(n+3)+4a(n+2)+5a(n+1), a(0) = 2, a(1) = 2, a(2) = 22\}$ , ogf]  
A087413 3.63652 [  $\{(-27n^2-189n-330)*a(n+1)+(31n^2+219n+386)*a(n+2)+(-4n^2-30n-56)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 34\}$ , ogf]  
A087420 9.23317 [  $2*(x^5+x^4-x^3-4x^2-2x-1)/(x-1)^3/(x+1)^3$  ogf]  
A087423 5.02673 [  $\{-a(n+3)+32a(n+2)-128a(n+1)+64a(n), a(0) = 32, a(1) = 768, a(2) = 20672\}$ , ogf]  
A087423 8.31777  $-4*(6-61x+256x^2-256x^3+96x^4)/(-1+4x)/(6x^2-8x+1)/(16x^2-28x+1)$  lgdogf  
A087423 8.83269 [  $-32*(6x^2-8x+1)/(4x-1)/(16x^2-28x+1)$  ogf]  
A087424 5.17130 [  $-81*(26244x^3-15309x^2+1008x-7)/(729x^2-486x+1)/(729x^2-81x+1)$  ogf]  
A087426 14.1019  $-1/6*(-1-3x+(1+x)^{1/2}*(1+5x)^{1/2})/x$  revogf  
A087426 15.8693 [  $3x/(9x^2-9x+1)$  ogf]  
A087426 23.1270  $-9*(-1+2x)/(9x^2+1-9x)$  lgdogf  
A087426 7.24893 [  $\{a(n+2)-9a(n+1)+9a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A087431 16.9173  $2*(1+2x^2)/(2x-1)/(4x^3-8x^2+4x-1)$  lgdogf  
A087431 5.02316 [  $\{a(n+4)-6a(n+3)+12a(n+2)-8a(n+1), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 28\}$ , ogf]  
A087431 9.61577 [  $(4x^3-8x^2+4x-1)/(2x-1)^3$  ogf]  
A087432 10.4278 [  $(x-1)*(2x^2+2x-1)/(3x-1)/(2x-1)/(x+1)$  ogf]  
A087432 4.81892 [  $\{-a(n+4)+4a(n+3)-a(n+2)-6a(n+1), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 7\}$ , ogf]  
A087432 9.02774  $(1-2x-9x^2+20x^3+2x^4)/(-1+x)/(3x-1)/(2x-1)/(x+1)/(2x^2+2x-1)$  lgdogf  
A087433 4.88793 [  $\{-a(n+4)+8a(n+3)-19a(n+2)+12a(n+1), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 20\}$ , ogf]  
A087433 8.86294  $2*(1-10x+35x^4-56x^3+36x^2)/(x-1)/(3x-1)/(2x-1)/(4x-1)/(x^2-4x+1)$  lgdogf  
A087433 9.29394 [  $(2x-1)*(x^2-4x+1)/(x-1)/(3x-1)/(4x-1)$  ogf]  
A087438 10.2404 [  $-(3x-1)*(x-1)/(4x-1)/(2x-1)^2$  ogf]  
A087438 11.2934  $-2*(-2+13x+12x^3-26x^2)/(x-1)/(3x-1)/(2x-1)/(4x-1)$  lgdogf  
A087438 5.60995 [  $\{a(n+3)-8a(n+2)+20a(n+1)-16a(n), a(0) = 1, a(1) = 4, a(2) = 15\}$ , ogf]  
A087439 10.1258  $-(-5+46x-137x^2+120x^3)/(x-1)/(-1+4x)/(-1+3x)/(5x-1)$  lgdogf  
A087439 10.9029 [  $(4x-1)/(x-1)/(3x-1)/(5x-1)$  ogf]  
A087439 5.21445 [  $\{a(n+3)-9a(n+2)+23a(n+1)-15a(n), a(0) = 1, a(1) = 5, a(2) = 22\}$ , ogf]  
A087440 12.1725 [  $-(x+1)*(3x-1)/(4x-1)/(2x-1)$  ogf]  
A087440 13.1757  $-2*(2-11x+17x^2)/(4x-1)/(3x-1)/(2x-1)/(x+1)$  lgdogf  
A087440 6.26353 [  $\{a(n+3)-6a(n+2)+8a(n+1), a(0) = 1, a(1) = 4, a(2) = 13\}$ , ogf]  
A087444 13.7199 [  $(5x^2+3x+1)/(x+1)/(x-1)^2$  ogf]  
A087444 17.0987  $-(4+16x+5x^3+11x^2)/(x-1)/(x+1)/(5x^2+3x+1)$  lgdogf  
A087444 7.40629 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 10\}$ , ogf]  
A087445 13.7258 [  $(7x^2+4x+1)/(x+1)/(x-1)^2$  ogf]  
A087445 17.1077  $-(5+21x+7x^3+15x^2)/(x-1)/(x+1)/(7x^2+4x+1)$  lgdogf  
A087445 7.40950 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 13\}$ , ogf]

ogf]  
 A087446 13.5986 [  $(9x^2+5x+1)/(x+1)/(x-1)^2$  ogf]  
 A087446 16.9477  $-(6+26x+9x^2+19x^3)/(x-1)/(x+1)/(9x^2+5x+1)$  lgdogf  
 A087446 7.34086 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 6, a(2) = 16\}$ ,  
 ogf]  
 A087447 10.9842 [  $-(x-1)*(2x^2-2x+1)/(2x-1)^2$  ogf]  
 A087447 13.6757  $(1+2x-6x^2+4x^3)/(x-1)/(-1+2x)/(2x^2-2x+1)$  lgdogf  
 A087447 5.82640 [  $\{a(n+4)-4a(n+3)+4a(n+2), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 10\}$ ,  
 ogf]  
 A087448 7.74916 [  $-(2x-1)*(5x^2-4x+1)/(3x-1)^2/(x-1)^2$  ogf]  
 A087448 9.04127  $-2*(1-5x+12x^2-19x^3+15x^4)/(x-1)/(-1+3x)/(2x-1)/$   
 $(5x^2-4x+1)$  lgdogf  
 A087449 10.0037 [  $-(7x^2-5x+1)/(x-1)/(4x-1)^2$  ogf]  
 A087449 11.6546  $-(-4+18x+28x^2-33x^3)/(x-1)/(-1+4x)/(7x^2-5x+1)$  lgdogf  
 A087449 5.48029 [  $\{a(n+3)-9a(n+2)+24a(n+1)-16a(n), a(0) = 1, a(1) = 4, a(2) = 19\}$ ,  
 ogf]  
 A087451 14.3356 [  $(x-2)/(3x-1)/(2x+1)$  ogf]  
 A087451 16.6335  $-(-1-24x+6x^2)/(x-2)/(3x-1)/(2x+1)$  lgdogf  
 A087451 7.86712 [  $\{-a(n+2)+a(n+1)+6a(n), a(0) = 2, a(1) = 1\}$ , ogf]  
 A087452 15.5346 [  $(x-2)/(3x+1)/(4x-1)$  ogf]  
 A087452 17.5429  $-(-1-48x+12x^2)/(x-2)/(3x+1)/(-1+4x)$  lgdogf  
 A087452 8.60953 [  $\{-a(n+2)+a(n+1)+12a(n), a(0) = 2, a(1) = 1\}$ , ogf]  
 A087453 11.3770  $-1/22*(-5-13x+(5+26x+25x^2)^{(1/2)}*5^{(1/2)})/x$  revogf  
 A087453 17.7439 [  $5x/(11x^2-13x+1)$  ogf]  
 A087453 19.8044  $-(-13+22x)/(11x^2+1-13x)$  lgdogf  
 A087453 8.33752 [  $\{a(n+2)-13a(n+1)+11a(n), a(0) = 0, a(1) = 5\}$ , ogf]  
 A087455 17.5413 [  $-(x-1)/(3x^2-2x+1)$  ogf]  
 A087455 9.62630 [  $\{a(n+2)-2a(n+1)+3a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
 A087462 9.87598 [  $-(4x^5-2x^4+x^3+x^2+x+1)/(x+1)/(2x-1)/(x^2-x+1)/(4x^2+2x$   
 $+1)$  ogf]  
 A087463 10.5320 [  $-x*(4x^4-2x^3+x+1)/(x+1)/(2x-1)/(x^2-x+1)/(4x^2+2x+1)$   
 ogf]  
 A087463 6.81607  $-(1+15x^2+30x^3+48x^5+64x^9+12x^6-48x^8)/(-1+2x)/(x+1)/$   
 $(x^2-x+1)/(4x^2+2x+1)/(4x^4-2x^3+x+1)$  lgdogf  
 A087464 11.1234 [  $2x^2*(2x^3-3x^2-1)/(x+1)/(2x-1)/(x^2-x+1)/(4x^2+2x+1)$   
 ogf]  
 A087464 7.39005  $-3x*(-2-32x^6-5x-7x^3-16x^4+16x^7)/(-1+2x)/(x+1)/(x^2-x$   
 $+1)/(4x^2+2x+1)/(2x^3-3x^2-1)$  lgdogf  
 A087475 13.7292 [  $-(5x^2-7x+4)/(x-1)^3$  ogf]  
 A087475 24.1692  $-(5-4x+5x^2)/(x-1)/(5x^2-7x+4)$  lgdogf  
 A087475 7.47750 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 4, a(1) = 5, a(2) = 8\}$ ,  
 ogf]  
 A087483 14.4992  $-(x^2+1)*(x^4+2x^2+4x+2)/(x-1)/(x^2+x+1)/(x^4-x^3+x^2+1)$   
 lgdogf  
 A087483 9.63064 [  $-(x^4-x^3+x^2+1)/(x^2+x+1)/(x-1)^3$  ogf]  
 A087503 13.4401 [  $(2x+1)/(x-1)/(3x^2-1)$  ogf]  
 A087503 15.5160  $-3*(-1-2x+4x^3+x^2)/(x-1)/(2x+1)/(3x^2-1)$  lgdogf  
 A087503 6.36004 [  $\{a(n+3)-a(n+2)-3a(n+1)+3a(n), a(0) = 1, a(1) = 3, a(2) = 6\}$ ,  
 ogf]  
 A087504 22.2351 [  $-x^8+x^5+x^3+1$  ogf\_with\_Euler\_transform]  
 A087504 9.27412 [  $(x^6+x^3+1)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
 A087507 13.7251  $-(1+2x+6x^5+5x^3+4x^4+12x^2)/(x-1)/(x^2+x+1)/(2x^3+x^2+x$   
 $+1)$  lgdogf  
 A087507 13.9916 [  $(2x^3+x^2+x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
 A087508 15.2559 [  $x*(x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
 A087508 24.2008  $-(1+6x^2+5x^3)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
 A087508 32.2564 [  $2x^2-x+1$  ogf\_with\_Euler\_transform]  
 A087509 14.3008 [  $x^2*(x^2+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
 A087509 21.9731 [  $-x*(x^2-2x-1)$  ogf\_with\_Euler\_transform]  
 A087509 22.1657  $-2x*(1+2x^3+3x)/(x-1)/(x^2+1)/(x^2+x+1)$  lgdogf  
 A087539 6.67451 [  $-x^2*(x^2-x+1)*(x^3-x^2+1)/(x^6+x^3+1)/(x-1)^3$  ogf]

A087539 7.15618  $-(2-2*x$   
 $+4*x^{11}-11*x^{10}+16*x^9-5*x^8-10*x^7+18*x^6+3*x^2+2*x^4-8*x^5)/(x-1)/(x^2-x+1)/$   
 $(x^3-x^2+1)/(x^6+x^3+1)$  lgdogf  
A087547 5.26853  $[{-2*n^2-7*n-6}*a(n+1)+(3*n+7)*a(n+2)-a(n+3), a(0) = 0, a(1) =$   
 $1, a(2) = 4}, ogf]$   
A087567 18.5075  $1/38/x*(-7*x-1+(125*x^2+14*x+1)^{(1/2)})$  revogf  
A087567 21.0430  $[ -1/(19*x^2+7*x-1)$  ogf]  
A087567 29.3035  $-(7+38*x)/(19*x^2-1+7*x)$  lgdogf  
A087567 8.62002  $[{-a(n+2)+7*a(n+1)+19*a(n), a(0) = 1, a(1) = 7}, ogf]$   
A087579 17.8167  $1/58/x*(-1-8*x+(1+16*x+180*x^2)^{(1/2)})$  revogf  
A087579 20.2652  $[ -1/(29*x^2+8*x-1)$  ogf]  
A087579 26.0398  $-2*(4+29*x)/(29*x^2-1+8*x)$  lgdogf  
A087579 8.30142  $[{-a(n+2)+8*a(n+1)+29*a(n), a(0) = 1, a(1) = 8}, ogf]$   
A087584 18.5262  $1/82/x*(-1-9*x+(1+18*x+245*x^2)^{(1/2)})$  revogf  
A087584 21.0582  $[ -1/(41*x^2+9*x-1)$  ogf]  
A087584 29.3332  $-(9+82*x)/(41*x^2-1+9*x)$  lgdogf  
A087584 8.62625  $[{-a(n+2)+9*a(n+1)+41*a(n), a(0) = 1, a(1) = 9}, ogf]$   
A087603 12.7494  $1/110/x*(-10*x-1+(320*x^2+20*x+1)^{(1/2)})$  revogf  
A087603 18.2135  $-10*(1+11*x)/(55*x^2-1+10*x)$  lgdogf  
A087603 19.0968  $[ -1/(55*x^2+10*x-1)$  ogf]  
A087603 7.86339  $[{-a(n+2)+10*a(n+1)+55*a(n), a(0) = 1, a(1) = 10}, ogf]$   
A087619 4.70977  $[{-a(n+2)+137*a(n+1)+a(n), a(0) = 2, a(1) = 137}, ogf]$   
A087619 8.26612  $[ (137*x-2)/(x^2+137*x-1)$  ogf]  
A087619 9.18839  $-(-137-4*x+137*x^2)/(137*x-2)/(x^2+137*x-1)$  lgdogf  
A087620 10.1820  $-(1+4*x+7*x^4+20*x^3+12*x^7+5*x^6+12*x^5+3*x^2)/(x-1)/(x+1)/$   
 $(x^2+1)/(3*x^4+x^3+2*x^2+x+1)$  lgdogf  
A087620 12.6524  $[ (3*x^4+x^3+2*x^2+x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A087621 7.81373  $-2*(1+4*x-64*x^4+128*x^3+2048*x^6-512*x^5-92*x^2)/(4*x+1)/$   
 $(16*x^2-6*x+1)/(64*x^4-4*x^2+1)$  lgdogf  
A087621 9.83833  $[ -(4*x+1)*(16*x^2-6*x+1)/(64*x^4-4*x^2+1)$  ogf]  
A087626 13.9736  $-1/2*(-1-2*x-x^2+(1+4*x+6*x^2+x^4)^{(1/2)})/x^2$  revogf  
A087627 15.4090  $-2*(1+2*x+3*x^2+4*x^4+5*x^3)/(x-1)/(x^2+x+1)/(2*x^2+2*x+1)$   
lgdogf  
A087627 15.9823  $[ (2*x^2+2*x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A087628 8.80602  $[ -(8*x^5-4*x^4-5*x^3+2*x^2+2*x+1)/(x+1)/(2*x-1)/(x^2-x+1)/$   
 $(4*x^2+2*x+1)$  ogf]  
A087629 5.55002  $-(1+6*x$   
 $+21*x^4+30*x^3+64*x^9-120*x^8+96*x^7+12*x^6+48*x^5+6*x^2)/(2*x-1)/(x+1)/(x^2-x$   
 $+1)/(4*x^2+2*x+1)/(4*x^4-5*x^3+3*x^2+x+1)$  lgdogf  
A087629 9.77107  $[ -(4*x^4-5*x^3+3*x^2+x+1)/(x+1)/(2*x-1)/(x^2-x+1)/(4*x^2+2*x+1)$   
ogf]  
A087635 14.3997  $-1/4*(-1-3*x+(1+x)^{(1/2)}*(1+5*x)^{(1/2)})/x$  revogf  
A087635 16.2071  $[ 2*x/(4*x^2-6*x+1)$  ogf]  
A087635 23.6155  $-2*(-3+4*x)/(4*x^2+1-6*x)$  lgdogf  
A087635 7.40323  $[{a(n+2)-6*a(n+1)+4*a(n), a(0) = 0, a(1) = 2}, ogf]$   
A087640 10.5661  $[ (x-1)*(x^2-x-1)/(x^3-3*x^2-x+1)$  ogf]  
A087640 11.8081  $-(-1-2*x+x^4+2*x^3-2*x^2)/(x-1)/(x^2-x-1)/(x^3-3*x^2-x+1)$  lgdogf  
A087640 5.20302  $[{a(n+4)-a(n+3)-3*a(n+2)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 2,$   
 $a(3) = 5}, ogf]$   
A087645 13.9087  $- (3+6*x+x^4-4*x^3+9*x^2)/(x-1)/(x^4-4*x^3+7*x^2-2*x+1)$  lgdogf  
A087645 7.97411  $[ -2*(x^4-4*x^3+7*x^2-2*x+1)/(x-1)^5$  ogf]  
A087702 11.5129  $10*(99+2*x+23562*x^32+2926*x^18+84*x^6)/(10*x^2+1+990*x$   
 $+1540*x^19+120*x^7+7140*x^33)$  lgdogf  
A087719 5.06844  $[{-a(n+3)+6*a(n+2)-11*a(n+1)+6*a(n), a(0) = 15, a(1) = 27, a(2)$   
 $= 57}, ogf]$   
A087719 7.87982  $-(9-70*x+120*x^4-252*x^3+201*x^2)/(-1+x)/(-1+3*x)/(2*x-1)/$   
 $(20*x^2-21*x+5)$  lgdogf  
A087719 9.04522  $[ -3*(20*x^2-21*x+5)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A087752 10.3723  $[{a(n+1)-49*a(n), a(0) = 1}, ogf]$   
A087752 24.9879  $[ -1/(49*x-1)$  ogf]  
A087752 35.9268  $1/49*\ln(1+49*x)$  revegef

A087752 41.4540  $-49/(-1+49*x)$  lgdogf  
A087761 6.15963  $(n^2+6*n+9)*a(n+1)+(-11*n-14-2*n^2)*a(n+2)+(5*n+6+n^2)*a(n+3)$ , a(0)=1, a(1)=3, a(2)=11/2 lgdegf  
A087774 10.4436  $[(10*x^6+x^5-2*x^4-21*x^3+2*x^2+2*x+11)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A087774 9.92389  $-(x^3-3*x^2-3*x-1)*(x^4-x^3-3*x^2+2*x-2)/(x-1)/(10*x^6+x^5-2*x^4-21*x^3+2*x^2+2*x+11)/(x^2+x+1)$  lgdogf  
A087775 12.6585  $-(-2-4*x+3*x^5+4*x^6-3*x^2-2*x^3+17*x^4+5*x^7)/(x-1)/(x^2+x+1)/(5*x^5+2*x^4+x^3-2*x^2-2*x-1)$  lgdogf  
A087775 12.8493  $[-(5*x^5+2*x^4+x^3-2*x^2-2*x-1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A087787 19.1569  $[-(x^2+2*x)/(x-1)$  ogf\_with\_Euler\_transform]  
A087798 12.6938  $[(9*x-2)/(x^2+9*x-1)$  ogf]  
A087798 15.9841  $-(-9-4*x+9*x^2)/(9*x-2)/(x^2+9*x-1)$  lgdogf  
A087798 15.9841  $1/2/(x-9)*(-2-9*x+(4+85*x^2)^(1/2))$  revogf  
A087798 6.96611  $[{-a(n+2)+9*a(n+1)+a(n), a(0) = 2, a(1) = 9}]$ , ogf]  
A087799 13.7039  $[-2*(5*x-1)/(x^2-10*x+1)$  ogf]  
A087799 18.0600  $-(5-2*x+5*x^2)/(5*x-1)/(1-10*x+x^2)$  lgdogf  
A087799 7.66764  $[{a(n+2)-10*a(n+1)+a(n), a(0) = 2, a(1) = 10}]$ , ogf]  
A087800 12.0535  $[-2*(6*x-1)/(x^2-12*x+1)$  ogf]  
A087800 15.8557  $-2*(3-x+3*x^2)/(6*x-1)/(x^2-12*x+1)$  lgdogf  
A087800 6.74420  $[{a(n+2)-12*a(n+1)+a(n), a(0) = 2, a(1) = 12}]$ , ogf]  
A087811 22.7285  $[-1/(x+1)/(x-1)^3$  ogf]  
A087811 37.4901  $-2*(2*x+1)/(x-1)/(x+1)$  lgdogf  
A087811 39.8701  $[[2+x]$  ogf\_with\_Euler\_transform]  
A087811 6.78189  $[{a(n+4)-2*a(n+3)+2*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 6}]$ , ogf]  
A087863 10.3067  $[(x^3-3*x^2-3*x+6)/(x-1)^4$  ogf]  
A087863 17.6947  $-(21-15*x+x^3-3*x^2)/(x-1)/(x^3-3*x^2-3*x+6)$  lgdogf  
A087863 4.04905  $[{(111*n^2+661*n+878)*a(n+1)+(-242*n^2-1400*n-1916)*a(n+2)+(131*n^2+679*n+858)*a(n+3), a(0) = 6, a(1) = 21, a(2) = 45}]$ , ogf]  
A087866 24.4008  $[-x^{14}+x^9+x^5+1$  ogf\_with\_Euler\_transform]  
A087866 6.19879  $[(x^8-x^7+x^5-x^4+x^3-x+1)/(x^2-x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A087887 21.6925  $-2*(7+10*x+x^2)/(x-1)/(x^2+6*x+2)$  lgdogf  
A087887 3.61408  $[{(6+2*n)*a(n+4)+(-6+4*n)*a(n+3)+(-25-5*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 24, a(2) = 168, a(3) = 540}]$ , ogf]  
A087887 9.55829  $[12*x*(x^2+6*x+2)/(x-1)^4$  ogf]  
A087897 26.8173  $[-x^2/(x^2-1)$  ogf\_with\_Euler\_transform]  
A087908 12.0743  $-(3+19*x+x^3+x^2)/(-1+x)/(x^3-x^2+7*x-1)$  lgdogf  
A087908 6.40486  $[(x^3-x^2+7*x-1)/(x-1)^4$  ogf]  
A087912 14.4919  $-39+13*x+(1-22*x+13*x^2)*f(x)+(4-8*x+4*x^2)*f(x)^2$  lgdegf  
A087912 5.15227  $[{(-n^2-4*n-4)*a(n+1)+(2*n+7)*a(n+2)-a(n+3), a(0) = 1, a(1) = 3, a(2) = 14}]$ , ogf]  
A087923 3.16549  $[{(-8*n^2-36*n-36)*a(n+1)+(6*n+20)*a(n+2)-a(n+3), a(0) = 2, a(1) = 16, a(2) = 208}]$ , ogf]  
A087935 15.8366  $[(x^4-5)/(x^5+x^4-1)$  ogf]  
A087935 22.3034  $-x^3*(x^5-16-25*x)/(x^4-5)/(x^5+x^4-1)$  lgdogf  
A087936 15.7724  $[(x^5-6)/(x^6+x^5-1)$  ogf]  
A087936 22.6550  $-x^4*(x^6-36*x-25)/(x^5-6)/(x^6+x^5-1)$  lgdogf  
A087940 11.4017  $[-(x^3+2*x^2-3*x-1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A087940 12.0739  $-(5-2*x+5*x^4-8*x^3-2*x^2)/(x-1)/(2*x-1)/(x+1)/(x^3+2*x^2-3*x-1)$  lgdogf  
A087940 5.91515  $[{a(n+4)-2*a(n+3)-a(n+2)+2*a(n+1), a(0) = 1, a(1) = 5, a(2) = 9, a(3) = 20}]$ , ogf]  
A087944 10.0654  $-2*(1-6*x+3*x^4-8*x^3+12*x^2)/(x-1)/(3*x-1)/(2*x-1)/(x^2-4*x+1)$  lgdogf  
A087944 10.6065  $[-(3*x-1)*(x-1)/(2*x-1)/(x^2-4*x+1)$  ogf]  
A087944 5.77674  $[{-a(n+3)+6*a(n+2)-9*a(n+1)+2*a(n), a(0) = 1, a(1) = 2, a(2) = 6}]$ , ogf]  
A087945 10.2114  $[(x^2+2*x-1)/(2*x-1)/(x^2-4*x+1)$  ogf]  
A087945 5.51237  $[{a(n+3)-6*a(n+2)+9*a(n+1)-2*a(n), a(0) = 1, a(1) = 4, a(2) =$

14}], ogf]  
A087945 9.84170  $-2*(-2+10*x-15*x^2+4*x^3+x^4)/(-1+2*x)/(x^2-4*x+1)/(x^2+2*x-1)$   
lgdogf  
A087946 10.0551 [  $-(x^2-3*x+1)/(2*x-1)/(x^2-4*x+1)$  ogf]  
A087946 5.42800 [  $\{-a(n+3)+6*a(n+2)-9*a(n+1)+2*a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]  
A087946 9.84675  $-(3-16*x+27*x^2-12*x^3+2*x^4)/(2*x-1)/(x^2-4*x+1)/(x^2-3*x+1)$   
lgdogf  
A087953 7.42254 [  $-(x^4-2*x^3+x^2-2*x+1)/(x-1)/(x^2+x+1)/(x^2-3*x+1)$  ogf]  
A087953 7.52030  $-(1+x^8-4*x^7+8*x^6-12*x^5+13*x^4-4*x^2)/(x-1)/(x^2-3*x+1)/$   
 $(x^4-2*x^3+x^2-2*x+1)/(x^2+x+1)$  lgdogf  
A087955 12.6993  $-2*(-1+2*x^3-3*x^2)/(x-1)/(x^2-2*x-1)/(x^3-3*x^2-x+1)$  lgdogf  
A087955 5.20302 [  $\{-a(n+4)+a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 8\}$ , ogf]  
A087955 9.95359 [  $(x-1)*(x^2-2*x-1)/(x^3-3*x^2-x+1)$  ogf]  
A087956 10.0531 [  $(x-1)*(x^2-3*x-1)/(x^3-3*x^2-x+1)$  ogf]  
A087956 11.7229  $(3-2*x+x^4-6*x^3+10*x^2)/(x-1)/(x^2-3*x-1)/(x^3-3*x^2-x+1)$   
lgdogf  
A087956 5.21553 [  $\{a(n+4)-a(n+3)-3*a(n+2)+a(n+1), a(0) = 1, a(1) = 3, a(2) = 2, a(3) = 11\}$ , ogf]  
A087957 11.1260  $2*(2-2*x+7*x^2-4*x^3+x^4)/(x-1)/(x^2-4*x-1)/(x^3-3*x^2-x+1)$   
lgdogf  
A087957 5.03786 [  $\{a(n+4)-a(n+3)-3*a(n+2)+a(n+1), a(0) = 1, a(1) = 4, a(2) = 2, a(3) = 14\}$ , ogf]  
A087957 9.71067 [  $(x-1)*(x^2-4*x-1)/(x^3-3*x^2-x+1)$  ogf]  
A087958 10.8169  $(5-6*x+18*x^2-10*x^3+3*x^4)/(x-1)/(x^2-5*x-1)/(x^3-3*x^2-x+1)$   
lgdogf  
A087958 5.06344 [  $\{a(n+4)-a(n+3)-3*a(n+2)+a(n+1), a(0) = 1, a(1) = 5, a(2) = 2, a(3) = 17\}$ , ogf]  
A087958 9.75997 [  $(x-1)*(x^2-5*x-1)/(x^3-3*x^2-x+1)$  ogf]  
A087960 14.7828 [  $\{-a(n+2)-a(n), a(0) = 1, a(1) = -1\}$ , ogf]  
A087960 23.0756 [  $-(x-1)/(x^2+1)$  ogf]  
A087960 32.5538 [  $[x^3-x-1]$  ogf\_with\_Euler\_transform]  
A087960 33.0970  $-1/2*(-1+(1-4*x-4*x^2)^{(1/2)})/(1+x)$  revogf  
A087960 42.9035  $-(-1-2*x+x^2)/(x-1)/(1+x^2)$  lgdogf  
A087981 6.97020 [  $\{(2*n+4)*a(n+1)+(n+2)*a(n+2)-a(n+3), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf]  
A087981 91.7381  $-2*x/(x-1)$  lgdegf  
A087995 5.70057 [  $-x*(81*x^{14}-19*x^{13}-19*x^{12}-19*x^{11}-19*x^{10}-101*x^9-x^4-x^3-x^2-x-1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A088002 16.6795 [  $(x^2+1)/(x^5+x^2+1)$  ogf]  
A088002 29.8205  $-x^4*(3*x^2+5)/(x^2+1)/(x^5+x^2+1)$  lgdogf  
A088003 16.5748  $-2*(2+7*x+4*x^3+7*x^2)/(x-1)/(x+1)/(2*x^2+2*x+1)$  lgdogf  
A088003 9.53905 [  $(2*x^2+2*x+1)/(x+1)^2/(x-1)^4$  ogf]  
A088009 12.4766  $-(-1-6*x+4*x^3-2*x^2-x^4+2*x^5)/(x^2+1)/(x-1)^2/(x+1)^2$  lgdegf  
A088009 3.67671 [  $\{(n+4)*a(n+4)-a(n+3)+(-2*n-4)*a(n+2)-a(n+1)+n*a(n), a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = 7/6\}$ , egf]  
A088013 10.7891 [  $-(x-1)*(2*x^2+2*x-1)/(2*x^2-1)/(2*x^2-4*x+1)$  ogf]  
A088013 8.60138  $-(1+8*x^6-36*x^4+48*x^3-18*x^2)/(x-1)/(2*x^2-1)/(2*x^2+2*x-1)/$   
 $(2*x^2-4*x+1)$  lgdogf  
A088014 8.73979  $-(-1-6*x+4*x^6-12*x^5-24*x^4+21*x^2)/(x-2)/(-1+2*x)/(x+1)/$   
 $(2*x^2-1)/(x^2+2*x-1)$  lgdogf  
A088014 9.14348 [  $(x-2)*(2*x-1)*(x+1)/(2*x^2-1)/(x^2+2*x-1)$  ogf]  
A088015 6.70334  $-2*x*(-4+4*x^7-2*x^6+4*x^5+2*x^4-3*x^3-14*x^2+15*x)/(x-1)/$   
 $(2*x^2-1)/(x^2+2*x-1)/(4*x^4-x^3-3*x^2+3*x-1)$  lgdogf  
A088015 7.53384 [  $(4*x^4-x^3-3*x^2+3*x-1)/(x-1)/(2*x^2-1)/(x^2+2*x-1)$  ogf]  
A088016 10.9540  $(-1-6*x+x^4-10*x^3+14*x^2)/(x-1)/(x^2-x+1)/(x^3-x^2-3*x+1)$   
lgdogf  
A088016 4.87490 [  $\{-a(n+4)+3*a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 6, a(3) = 17\}$ , ogf]  
A088016 9.39655 [  $-(x-1)*(x^2-x+1)/(x^3-x^2-3*x+1)$  ogf]



A088026 3.91357 [  $\{(16n^3+32n^2+12n)a(n)+(-8n^2-24n-18)a(n+1)+(n+2)a(n+2), a(0) = 1, a(1) = 2\}$ , egf]  
A088037 4.02529 [  $\{-a(n+5)+7a(n+4)-14a(n+3)+8a(n+2), a(0) = 4, a(1) = 9, a(2) = 9, a(3) = 49, a(4) = 225\}$ , ogf]  
A088037 5.50190  $(9-108x+512x^2+588x^3-1680x^4+2480x^5-1792x^6)/(x-1)/(2x+1)/(-1+2x)/(4x-1)/(32x^3-56x^2+27x-4)$  lgdogf  
A088037 7.35485 [  $(2x+1)(32x^3-56x^2+27x-4)/(x-1)/(2x-1)/(4x-1)$  ogf]  
A088038 5.43383 [  $-(3904x^5-6104x^4+2502x^3-329x^2+56x-8)/(x-1)/(8x-1)/(2x-1)/(4x-1)$  ogf]  
A088039 11.2590 [  $-(2x^3-x^2+2x-2)/(2x-1)/(x-1)$  ogf]  
A088039 11.4078  $(-4+6x+4x^2-12x^3+5x^4)/(x-1)/(2x-1)/(2x^3-x^2+2x-2)$  lgdogf  
A088039 5.97216 [  $\{-a(n+4)+3a(n+3)-2a(n+2), a(0) = 2, a(1) = 4, a(2) = 9, a(3) = 17\}$ , ogf]  
A088040 3.21956 [  $(81920x^7-75776x^6-45184x^5+43696x^4-2840x^3-2530x^2+415x-16)/(x-1)/(4x-1)/(2x-1)/(8x-1)/(16x-1)$  ogf]  
A088041 10.7585  $(2x^2-1)(8x^3-18x^2+12x-3)/(x-1)/(2x-1)/(4x^4-2x^2-3x+2)$  lgdogf  
A088041 11.6932 [  $(4x^4-2x^2-3x+2)/(2x-1)/(x-1)$  ogf]  
A088041 5.66102 [  $\{-a(n+5)+3a(n+4)-2a(n+3), a(0) = 2, a(1) = 3, a(2) = 3, a(3) = 3, a(4) = 7\}$ , ogf]  
A088059 3.28233 [  $(x^2-2x-1)/(x-1)^3$  ogf]  
A088059 5.88888  $-(-5-2x+x^2)/(-1+x)/(x^2-2x-1)$  lgdogf  
A088116 6.61950 [  $2x^{11}(9x^8+8x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1)/(x-1)^2/(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x^4-x^3+x^2-x+1)^2$  ogf]  
A088117 4.42453 [  $x^{10}(9x^8+8x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1)/(x-1)^2/(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x^4-x^3+x^2-x+1)^2$  ogf]  
A088126 16.9479  $(18+2x+7x^6+19x^{18}+33x^{32})/(x^2+1+18x+x^{19}+x^7+x^{33})$  lgdogf  
A088127 3.62999 [  $\{(-2n^2-10n-12)a(n+1)+(-n^2-3n)a(n+2)+(2n+6)a(n+3)-a(n+4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 14\}$ , ogf]  
A088131 10.2227  $(-1-8x+25x^2-22x^3+4x^4)/(x-1)/(2x^2-2x+1)/(x^3-4x+1)$  lgdogf  
A088131 10.2635 [  $-(x-1)(2x^2-2x+1)/(x^3-4x+1)$  ogf]  
A088131 5.44414 [  $\{-a(n+4)+4a(n+3)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 8, a(3) = 29\}$ , ogf]  
A088132 14.2659 [  $-(x-1)/(x^3-4x+1)$  ogf]  
A088132 18.5075  $-(3+2x^3-3x^2)/(x-1)/(x^3-4x+1)$  lgdogf  
A088132 6.75754 [  $\{-a(n+3)+4a(n+2)-a(n), a(0) = 1, a(1) = 3, a(2) = 12\}$ , ogf]  
A088137 23.6995 [  $x/(3x^2-2x+1)$  ogf]  
A088137 34.7087  $-2(3x-1)/(3x^2+1-2x)$  lgdogf  
A088137 9.65533 [  $\{a(n+2)-2a(n+1)+3a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A088138 22.3144 [  $x/(4x^2-2x+1)$  ogf]  
A088138 32.5324  $-2(-1+4x)/(4x^2+1-2x)$  lgdogf  
A088138 9.09106 [  $\{a(n+2)-2a(n+1)+4a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A088139 20.7164 [  $x/(6x^2-2x+1)$  ogf]  
A088139 28.7061  $-2(-1+6x)/(6x^2+1-2x)$  lgdogf  
A088139 8.44001 [  $\{a(n+2)-2a(n+1)+6a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A088163 11.8686 [  $x^2(x+1)(2x^2+x+1)/(x-1)/(4x^3-1)/(x^2+x+1)$  ogf]  
A088163 7.16819  $-(-2-6x-15x^4-20x^3+24x^5+48x^7+24x^8+40x^6-21x^2)/(x-1)/(x+1)/(x^2+x+1)/(2x^2+x+1)/(4x^3-1)$  lgdogf  
A088166 3.98726 [  $-2(x^7-7x^6-17x^4+131x^3-6x^2+6x-6)/(x^2-7x+1)/(x^2-3x+1)/(x^4+3x^3+8x^2+3x+1)$  ogf]  
A088180 4.81807 [  $(9x^{10}+13x^9+26x^8+25x^7-22x^6+23x^5-6x^4-2x^3+3x^2-5x-1)/(x-1)/(x+1)/(19x^2-1)/(x^3+x^2+2x+1)/(x^3-x^2+2x-1)$  ogf]  
A088209 18.1441  $-(-3-5x-x^3+x^4)/(x^2+x-1)/(x^3-x-1)$  lgdogf  
A088209 9.93212 [  $-(x^3-x-1)/(x^2+x-1)^2$  ogf]  
A088210 16.9863  $-(-5+x+x^3-x^2)/(x-1)/(x+1)/(x^2+2x-1)$  lgdogf  
A088210 8.77464 [  $-(x-1)^2/(x^2+2x-1)^2$  ogf]  
A088211 14.7776  $-2(1+x+x^4-x^3)/(x^2+2x-1)/(2x^3+x^2-2x+1)$  lgdogf

A088211 9.00127 [ (2\*x^3+x^2-2\*x+1)/(x^2+2\*x-1)^2 ogf]  
A088218 7.86195 [{(-4\*n-2)\*a(n)+(n+1)\*a(n+1), a(0) = 1, a(1) = 1}, ogf]  
A088225 11.3094 [ (3\*x^4+x^3+x^2+4\*x+2)/(x+1)/(x^2+1)/(x-1)^2 ogf]  
A088225 9.59906 -(6+8\*x+7\*x^5+5\*x^6+3\*x^7+28\*x^3+21\*x^4+10\*x^2)/(x-1)/(x+1)/  
(x^2+1)/(3\*x^4+x^3+x^2+4\*x+2) lgdogf  
A088226 12.9152 [-(2\*x^4+x^3+2\*x^2+1)/(-x^3-x^2-x-1) ogf\_with\_Euler\_transform]  
A088227 11.1132 [ (2\*x^4+4\*x^3+x^2+4\*x+2)/(x+1)/(x^2+1)/(x-1)^2 ogf]  
A088227 9.12326 -(6+8\*x+23\*x^4+27\*x^3+9\*x^5+2\*x^7+10\*x^6+19\*x^2)/(x-1)/(x+1)/  
(x^2+1)/(2\*x^4+4\*x^3+x^2+4\*x+2) lgdogf  
A088265 8.46109 [ -(100\*x^7+80\*x^6+40\*x^5+20\*x^4-19\*x^3-17\*x^2-13\*x-11)/(x-1)/(x  
+1)/(x^2+1)/(10\*x^4-1) ogf]  
A088305 13.1515 [ (x-1)^2/(x^2-3\*x+1) ogf]  
A088305 28.4817 -(x+1)/(x-1)/(x^2-3\*x+1) lgdogf  
A088305 6.83364 [{-a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 3}, ogf]  
A088311 5.54499 [ (x+1)\*(x^2+1)\*(x^7-x^6+1)/(x^10+x^9+x^8+x^7-x^6-x^5-x^4-x^3+1)  
ogf]  
A088316 10.9109 [ (13\*x-2)/(x^2+13\*x-1) ogf]  
A088316 12.8584 -(-13-4\*x+13\*x^2)/(13\*x-2)/(x^2+13\*x-1) lgdogf  
A088316 6.10489 [{-a(n+2)+13\*a(n+1)+a(n), a(0) = 2, a(1) = 13}, ogf]  
A088317 10.5980 [ (4\*x-1)/(x^2+8\*x-1) ogf]  
A088317 13.2957 -2\*(-2-x+2\*x^2)/(4\*x-1)/(x^2+8\*x-1) lgdogf  
A088317 5.81599 [{-a(n+2)+8\*a(n+1)+a(n), a(0) = 1, a(1) = 4}, ogf]  
A088320 12.0411 -(-5-2\*x+5\*x^2)/(5\*x-1)/(x^2+10\*x-1) lgdogf  
A088320 5.35920 [{-a(n+2)+10\*a(n+1)+a(n), a(0) = 1, a(1) = 5}, ogf]  
A088320 9.66987 [ (5\*x-1)/(x^2+10\*x-1) ogf]  
A088327 18.6496 [4/(1+(1-4\*x)^(1/2))^2 ogf\_with\_Euler\_transform]  
A088336 3.81209 [{(2\*n^2+10\*n+12)\*a(n+1)+(-2\*n-6)\*a(n+2)+(n+4)\*a(n+3)-a(n+4),  
a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3}, ogf]  
A088381 8.37930 2\*(6+4\*x^14-5\*x^13-4\*x-6\*x^11+5\*x^12-4\*x^5-8\*x^3+6\*x^4+12\*x^2)/  
(x-1)/(x^2+1)/(x^12+8\*x^3-10\*x^2+8\*x-10) lgdogf  
A088381 9.99802 [ -(x^12+8\*x^3-10\*x^2+8\*x-10)/(x-1)^2/(x^2+1) ogf]  
A088386 4.31487 [{(-2\*n^3-12\*n^2-24\*n-16)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 2},  
ogf]  
A088436 11.1716 -(3-5\*x+x^5-x^3-2\*x^4+6\*x^2)/(x-1)/(x^3-x^2-x+2) lgdegf  
A088439 12.6560 [ -x\*(x^4+x^3-3\*x^2-x-1)/(x-1)^2/(x^2+x+1)^2 ogf]  
A088439 12.9853 -(-1-6\*x+2\*x^6+3\*x^5-12\*x^4-x^3-3\*x^2)/(x-1)/(x^2+x+1)/  
(x^4+x^3-3\*x^2-x-1) lgdogf  
A088440 10.5520 [ -x\*(x^6+x^5+x^4-4\*x^3-x^2-x-1)/(x-1)^2/(x+1)^2/(x^2+1)^2 ogf]  
A088440 9.58062 -(-1-2\*x+2\*x^9+3\*x^8+4\*x^7-20\*x^6-2\*x^4-4\*x^3-12\*x^2)/(x-1)/(x  
+1)/(x^2+1)/(x^6+x^5+x^4-4\*x^3-x^2-x-1) lgdogf  
A088441 9.63119 [ (x^8-x^6+x^5+3\*x^4+x^2+3\*x+1)/(x+1)/(x^2-x+1)/(x-1)^2/(x^2+x  
+1)^2 ogf]  
A088472 10.0275 [ -(x^12+8\*x^11+81\*x^10-90\*x^9-1)/(x-1)^2 ogf]  
A088472 9.34471 2\*(1+280\*x^10+30\*x^11+5\*x^12-720\*x^9+405\*x^8)/(x-1)/  
(x^12+8\*x^11+81\*x^10-90\*x^9-1) lgdogf  
A088475 10.0252 [{-a(n+2)+2\*a(n+1)-a(n), a(0) = 10, a(1) = 11}, ogf]  
A088475 18.3070 [ -(9\*x-10)/(x-1)^2 ogf]  
A088475 31.7447 -(-5-x+(25+x)^(1/2))/(9+x) revogf  
A088475 33.0144 -(-11+9\*x)/(x-1)/(9\*x-10) lgdogf  
A088476 7.07664 [ -(8\*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-10)/(x^2+x+1)/  
(x^6+x^3+1)/(x-1)^2 ogf]  
A088480 10.3787 [{-a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 2}, ogf]  
A088480 104.265 -2/(x-1) lgdogf  
A088480 25.7896 [ 1/(x-1)^2 ogf]  
A088480 36.2661 4\*x/(1+(1+4\*x)^(1/2))^2 revogf  
A088481 7.77536 [ (2\*x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/  
(x-1)^2 ogf]  
A088492 7.36546 (3+8\*x+12\*x^17-36\*x^15+36\*x^13-6\*x^11-18\*x^9+16\*x^7-  
x^4-12\*x^3+6\*x^2)/(x-1)/(x+1)/(x^16-2\*x^14+x^12+x^10-2\*x^8+3\*x^4+x^3-3\*x-2)  
lgdogf  
A088492 8.74524 [ -(x^16-2\*x^14+x^12+x^10-2\*x^8+3\*x^4+x^3-3\*x-2)/(x-1)^2/(x+1)^2

ogf]  
 A088505 5.63888 [  $\{(8n+26)a(n+1)+(-n-3)a(n+2), a(0) = 5, a(1) = 45\}$ , ogf]  
 A088505 8.25273  $1/8*((2x+1)^{(1/5)-1}*((2x+1)^{(1/5)+1}*((2x+1)^{(2/5)+1)/(2x+1)^{(4/5)})$  revogf  
 A088506 3.76926 [  $\{(-2n^2-10n-12)a(n+1)+(2n+6)a(n+2)+(-n-4)a(n+3)+a(n+4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3\}$ , ogf]  
 A088520 6.60368 [  $(2x^8-x^7-6x^6+13x^5-14x^4+11x^3-6x^2+3x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
 A088545 8.35031 [  $-(x^4-4x^3-9x^2+6x+1)/(x-1)/(x^2+3x+1)/(x^2-7x+1)$  ogf]  
 A088556 12.5589 [  $-(4x^2+3x-6)/(x-1)/(4x-1)/(x+1)$  ogf]  
 A088556 6.72011 [  $\{a(n+3)-4a(n+2)-a(n+1)+4a(n), a(0) = 6, a(1) = 21, a(2) = 86\}$ , ogf]  
 A088556 9.84740  $-(21+4x+16x^4+24x^3-59x^2)/(x-1)/(4x-1)/(x+1)/(4x^2+3x-6)$  lgdogf  
 A088578 12.8352 [  $-(4x^2-2x+1)/(x-1)/(2x-1)^2$  ogf]  
 A088578 13.7441  $-(-3+2x+8x^3-4x^2)/(x-1)/(2x-1)/(4x^2-2x+1)$  lgdogf  
 A088578 6.92876 [  $\{a(n+3)-5a(n+2)+8a(n+1)-4a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]  
 A088581 11.9289 [  $-(9x^2-3x+1)/(x-1)/(3x-1)^2$  ogf]  
 A088581 12.3308  $-(3x-2)*(9x^2+3x+2)/(x-1)/(3x-1)/(9x^2-3x+1)$  lgdogf  
 A088581 6.48762 [  $\{a(n+3)-7a(n+2)+15a(n+1)-9a(n), a(0) = 1, a(1) = 4, a(2) = 22\}$ , ogf]  
 A088582 11.3144  $-(-5-4x-16x^2+64x^3)/(x-1)/(-1+4x)/(16x^2-4x+1)$  lgdogf  
 A088582 11.4708 [  $-(16x^2-4x+1)/(x-1)/(4x-1)^2$  ogf]  
 A088582 6.38374 [  $\{a(n+3)-9a(n+2)+24a(n+1)-16a(n), a(0) = 1, a(1) = 5, a(2) = 37\}$ , ogf]  
 A088625 102.130  $-9/(x-1)$  lgdogf  
 A088625 4.43485 [  $\{(-6+n)a(n+2)+(-2-n)a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 0, a(7) = 0, a(8) = 14\}$ , ogf]  
 A088625 7.86969 [  $-14x^8/(x-1)^9$  ogf]  
 A088626 5.79526 [  $-42x^{10}/(x-1)^{11}$  ogf]  
 A088626 85.4163  $-11/(x-1)$  lgdogf  
 A088648 10.3480  $(-5-7x-10x^4-2x^3-18x^5+16x^6+6x^2)/(x-1)/(4x^6+2x^5-2x^3+2x^2+3x+1)$  lgdogf  
 A088648 10.8250 [  $(4x^6+2x^5-2x^3+2x^2+3x+1)/(x-1)^2$  ogf]  
 A088650 4.13745 [  $-(6x^6+2x^2+x+1)/(x-1)$  ogf]  
 A088666 7.76854 [  $-(2x^9+7x^8+2x^7+7x^6+6x^5+7x^4+2x^3+7x^2+2x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
 A088667 9.35182 [  $-(7x^9+2x^8+7x^7+2x^6+x^5+2x^4+7x^3+2x^2+7x+6)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
 A088688 6.79422  $-3*(1+4x^7+13x^6-54x^5-8x+80x^4-64x^3+30x^2)/(2x-1)/(x^2-x+1)/(3x^2-3x+1)/(x^3+3x^2-3x+1)$  lgdogf  
 A088688 7.57189 [  $-x*(x^3+3x^2-3x+1)/(2x-1)/(x^2-x+1)/(3x^2-3x+1)$  ogf]  
 A088689 11.3480 [  $-x*(2x^3+1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
 A088689 13.1443  $-(1-2x+4x^7-2x^6+7x^4-8x^3+9x^2)/(x-1)/(x^2+x+1)/(x^2-x+1)/(2x^3+1)$  lgdogf  
 A088795 16.5402  $-(2+4x^4+3x^3-x^2)/(x-1)/(x+1)/(2x^3-x^2-x+1)$  lgdogf  
 A088795 9.52352 [  $(2x^3-x^2-x+1)/(x+1)/(x-1)^4$  ogf]  
 A088859 11.5335 [  $(x^2-6x+3)/(2x-1)/(x^2+x-1)$  ogf]  
 A088859 11.6895  $-(-3+4x+2x^4-24x^3+15x^2)/(2x-1)/(x^2-6x+3)/(x^2+x-1)$  lgdogf  
 A088859 6.28165 [  $\{-a(n+3)+3a(n+2)-a(n+1)-2a(n), a(0) = 3, a(1) = 3, a(2) = 7\}$ , ogf]  
 A088889 4.43857 [  $x*(x+1)*(x^4+17x^3+48x^2+17x+1)/(x-1)^8$  ogf]  
 A088889 7.53436  $-(26+256x+3x^5+77x^4+397x^3+585x^2)/(-1+x)/(x+1)/(x^4+17x^3+48x^2+17x+1)$  lgdogf  
 A088890 4.43857 [  $x*(x+1)*(x^4+16x^3+46x^2+16x+1)/(x-1)^8$  ogf]  
 A088890 7.53436  $-(25+243x+3x^5+73x^4+378x^3+558x^2)/(-1+x)/(x+1)/(x^4+16x^3+46x^2+16x+1)$  lgdogf  
 A088891 3.38866 [  $-x*(x^6+29x^5+175x^4+310x^3+175x^2+29x+1)/(x-1)^9$  ogf]  
 A088891 5.25656  $-(38+582x+3x^6+122x^5+1020x^4+2560x^3+2155x^2)/(x-1)/$

$(x^6+29x^5+175x^4+310x^3+175x^2+29x+1)$  lgdogf  
A088911 20.3768  $[-1/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A088911 25.5968  $-(1+4x^3-3x^2)/(x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A088911 25.9445  $[x^5-x^2+1$  ogf\_with\_Euler\_transform]  
A088911 6.12961  $[{a(n+4)-a(n+3)+a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 0}]$ , ogf]  
A088914 6.18761  $[-(x-1)*(x^2+12x+1)/(x^2-3x+1)/(x^2-18x+1)$  ogf]  
A088920 4.33747  $[{-a(n+3)+35a(n+2)-35a(n+1)+a(n), a(0) = 2, a(1) = 50, a(2) = 1682}]$ , ogf]  
A088920 7.99720  $[-2*(x^2-10x+1)/(x-1)/(x^2-34x+1)$  ogf]  
A088920 8.21294  $-(25-68x+318x^2-20x^3+x^4)/(x-1)/(x^2-10x+1)/(x^2-34x+1)$  lgdogf  
A088921 6.98141  $[-(2x^4-5x^3+7x^2-4x+1)/(2x-1)/(x-1)^4$  ogf]  
A088921 8.66172  $-(-2+8x-17x^2+19x^3-8x^4+4x^5)/(x-1)/(2x-1)/(2x^4-5x^3+7x^2-4x+1)$  lgdogf  
A088924 11.8075  $[-(x-1)/(10x-1)/(9x-1)$  ogf]  
A088924 12.9378  $-1/2*(-19x-1+(x^2+34x+1)^{1/2})/(1+90x)$  revogf  
A088924 13.2534  $-18*(1-10x+5x^2)/(x-1)/(9x-1)/(10x-1)$  lgdogf  
A088924 6.52884  $[{-a(n+2)+19a(n+1)-90a(n), a(0) = 1, a(1) = 18}]$ , ogf]  
A088927 22.7621  $x*(x-1)*(1+x)/(-1-2x+2x^3)$  revogf  
A088932 12.4348  $-2*(1+2x+x^2+4x^3+x^4+2x^5+x^6+8x^7)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  lgdogf  
A088932 25.9739  $[x^7+x^3+x+2$  ogf\_with\_Euler\_transform]  
A088932 8.12613  $[-1/(x^4+1)/(x^2+1)^2/(x+1)^3/(x-1)^5$  ogf]  
A088938 3.19591  $[{-n-4)*a(n+1)+(2n+9)*a(n+2)+(-n-6)*a(n+3)+a(n+4), a(0) = 2, a(1) = 3, a(2) = 5, a(3) = 10}]$ , ogf]  
A088941 15.4539  $-(-54+16x-9x^2+2x^3)/(x-1)/(x^3-4x^2+6x-12)$  lgdogf  
A088941 3.98169  $[{(55n^2+388n+556)*a(n+1)+(-92n^2-429n-346)*a(n+2)+(37n^2+113n+78)*a(n+3), a(0) = 0, a(1) = 12, a(2) = 54}]$ , ogf]  
A088941 8.17977  $[x*(x^3-4x^2+6x-12)/(x-1)^5$  ogf]  
A088942 10.8315  $- (390+170x+25x^2-11x^3+2x^4)/(x-1)/(x^4-5x^3+10x^2+30x+60)$  lgdogf  
A088942 6.43470  $[x*(x^4-5x^3+10x^2+30x+60)/(x-1)^6$  ogf]  
A088943 10.9251  $-(-450-430x+2x^4-11x^3+25x^2)/(x-1)/(x^4-5x^3+10x^2-90x-60)$  lgdogf  
A088943 6.58791  $[-x*(x^4-5x^3+10x^2-90x-60)/(x-1)^6$  ogf]  
A088945 5.24799  $[-x*(x^5-6x^4+15x^3+60x^2+270x+60)/(x-1)^7$  ogf]  
A088945 8.19941  $- (690+1740x-13x^4+36x^3+345x^2+2x^5)/(x-1)/(x^5-6x^4+15x^3+60x^2+270x+60)$  lgdogf  
A088954 19.9327  $[x^{15}+x^7+x^3+x+2$  ogf\_with\_Euler\_transform]  
A088954 6.71288  $-2*(1+2x+x^2+4x^3+x^4+2x^5+x^6+8x^7+x^8+2x^9+x^{10}+4x^{11}+x^{12}+2x^{13}+x^{14}+16x^{15})/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  lgdogf  
A088981 3.51562  $[{(2n+5)*a(n+1)+2a(n+2)+(-4n-8)*a(n+3)+(2n+3)*a(n+4), a(0) = 7, a(1) = 11, a(2) = 17, a(3) = 25}]$ , ogf]  
A088981 8.24818  $[-(3x^3-2x^2-10x+7)/(x^2+x-1)/(x-1)^2$  ogf]  
A088981 8.86439  $-(-11+21x+3x^5-23x^3-x^4+7x^2)/(x-1)/(x^2+x-1)/(3x^3-2x^2-10x+7)$  lgdogf  
A088991 28.0949  $-4x*f(x)+(1-4x)*f(x)^2$  lgdegf  
A088991 5.13617  $[{(-4n-8)*a(n+1)+(-4n-8)*a(n+2)+a(n+3), a(0) = 1, a(1) = 0, a(2) = 4}]$ , ogf]  
A088992 25.6520  $-5x*f(x)+(1-5x)*f(x)^2$  lgdegf  
A088992 4.62459  $[{(-5n-10)*a(n+1)+(-5n-10)*a(n+2)+a(n+3), a(0) = 1, a(1) = 0, a(2) = 5}]$ , ogf]  
A089010 10.1518  $[-x^{23}-x^{19}+x^9+x^5$  ogf\_with\_Euler\_transform]  
A089011 10.6821  $[x^5+x^3-(x^2+1)*x^{11}$  ogf\_with\_Euler\_transform]  
A089012 12.9137  $[-x^8-x^7+x^3+x^2$  ogf\_with\_Euler\_transform]  
A089012 8.53642  $x^2*(7x^4+6x^3+4x+10x^7+3)/(x^6+x^3+1)/(1+x^4)$  lgdogf  
A089022 16.3742  $-3/2*(-3+24x+(1-8x)^{1/2})/(9x-1)/(-1+8x)$  lgdogf  
A089022 21.0526  $1/4*(1-9x+3*(9x^2-2x+1)^{1/2})*x$  revogf  
A089022 4.80373  $[{(-72n-108)*a(n+1)+(17n+39)*a(n+2)+(-n-3)*a(n+3), a(0) = 1,$

$a(1) = 3, a(2) = 15$ }, ogf]  
A089041 3.36512 [  $\{(-n^2-5*n-6)*a(n+1)+(-2*n^2-13*n-21)*a(n+2)+(-n^2-8*n-15)*a(n+3)+a(n+4), a(0) = 1, a(1) = 0, a(2) = 3, a(3) = 26\}$ , ogf]  
A089057 3.53923 [  $\{(n+5)*a(n+1)-a(n+2), a(0) = 3, a(1) = 12, a(2) = 60, a(3) = 360, a(4) = 2520, a(5) = 13440\}$ , ogf]  
A089057 5.47649 [  $(35*x^8-120*x^7+140*x^6-56*x^5+3)/(x-1)^4$  egf]  
A089061 10.3548  $-(x+1)*(2*x^4-2*x^3-17*x^2+22*x-7)/(x-1)/(x^2+x-1)/(2*x^3-x^2-8*x+5)$  lgdogf  
A089061 3.94820 [  $\{(-n-3)*a(n+1)-a(n+2)+(2*n+5)*a(n+3)+(-n-2)*a(n+4), a(0) = 5, a(1) = 7, a(2) = 10, a(3) = 13\}$ , ogf]  
A089061 9.33212 [  $-(2*x^3-x^2-8*x+5)/(x^2+x-1)/(x-1)^2$  ogf]  
A089068 13.6847 [  $x^2*(x+1)/(x-1)/(x^3+x^2+x-1)$  ogf]  
A089068 16.7019  $-(-3+4*x^3+3*x^4)/(x-1)/(x+1)/(x^3+x^2+x-1)$  lgdogf  
A089071 13.5364 [  $-(x^3-x+1)/(x-1)^3$  ogf]  
A089071 26.9921  $-(2-2*x+3*x^2)/(x-1)/(x^3-x+1)$  lgdogf  
A089071 6.25545 [  $\{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5\}$ , ogf]  
A089074 10.5417  $-(-3-2*x+3*x^6+4*x^5+2*x^2+5*x^4)/(x-1)/(x^2+x+1)/(x^4+x^3+x^2+x-1)$  lgdogf  
A089074 12.5752 [  $x*(x^2+x+1)/(x-1)/(x^4+x^3+x^2+x-1)$  ogf]  
A089076 10.0409  $x*(6*x^6+4-8*x^4+x^7-3*x^5+x^{11}+2*x-3*x^9+2*x^3)/(x-1)/(x+1)/(x^4-x-1)/(x^7-x^6-x^4-x^3+x^2+x+1)$  lgdogf  
A089076 8.09756 [  $-(x^7-x^6-x^4-x^3+x^2+x+1)/(x-1)/(x+1)/(x^4-x-1)$  ogf]  
A089086 9.27337 [  $-(2*x^9+x^8+2*x^7+x^6+10*x^5+x^4+2*x^3+x^2+2*x+5)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A089089 8.02949 [  $x*(x^3+x^2-1)/(x^4+x^2-1)/(x^2+x-1)^2$  ogf]  
A089089 8.38047  $-(2+4*x+5*x^8+9*x^7+6*x^6-5*x^5-4*x^4-3*x^3-7*x^2)/(x^2+x-1)/(x^3+x^2-1)/(x^4+x^2-1)$  lgdogf  
A089098 8.65844 [  $-(x+1)*(x-1)^2/(x^4+x^2-1)/(x^2+x-1)^2$  ogf]  
A089098 9.30940  $-(1+4*x+5*x^7+2*x^6-7*x^5-5*x^4-3*x^3-x^2)/(x-1)/(x+1)/(x^2+x-1)/(x^4+x^2-1)$  lgdogf  
A089108 12.1291  $-(5+4*x+x^6-2*x^5-2*x^4-4*x^3+7*x^2)/(x-1)/(x^2+x+1)/(x^4-2*x^3-x+3)$  lgdogf  
A089108 9.89358 [  $-(x^4-2*x^3-x+3)/(x^2+x+1)/(x-1)^3$  ogf]  
A089109 7.45828 [  $-(x^5-2*x^4-2*x^3+6*x^2+x-5)/(x+1)^2/(x-1)^4$  ogf]  
A089109 9.96834  $-(-9-16*x-2*x^5+x^6+12*x^3-5*x^4+11*x^2)/(x-1)/(x+1)/(x^5-2*x^4-2*x^3+6*x^2+x-5)$  lgdogf  
A089110 5.55662 [  $-(x^7-4*x^6+8*x^5-12*x^4+15*x^3-13*x^2+9*x-5)/(x^2+1)^2/(x-1)^4$  ogf]  
A089110 6.56835  $-(-11+21*x-48*x^2+56*x^3-53*x^4+43*x^5-25*x^6+13*x^7-5*x^8+x^9)/(x-1)/(x^2+1)/(x^7-4*x^6+8*x^5-12*x^4+15*x^3-13*x^2+9*x-5)$  lgdogf  
A089111 5.06619 [  $-(2*x^8-8*x^7+12*x^6-7*x^5-2*x^3+9*x^2-13*x+8)/(x^4+x^3+x^2+x+1)/(x-1)^5$  ogf]  
A089116 5.71381 [  $x*(x-1)^2*(x+1)^2/(x^6+x^3-1)/(x^2+x-1)^3$  ogf]  
A089116 7.60779  $-(3+2*x+8*x^9+5*x^8-14*x^7-4*x^6+8*x^5-8*x^4-8*x^3+4*x^2)/(x-1)/(x+1)/(x^2+x-1)/(x^6+x^3-1)$  lgdogf  
A089117 6.12480  $-(-3-8*x+10*x^{10}+16*x^9-4*x^8-31*x^7-20*x^6+5*x^5+5*x^4+15*x^3+11*x^2)/(x-1)/(x+1)/(x^2+x-1)/(x^3+x^2-1)/(x^4+x^2-1)$  lgdogf  
A089128 12.9603 [  $-(x^5+2*x^4+3*x^3+2*x^2+x+6)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A089128 7.60360  $-(-1+4*x+x^{10}+4*x^9+9*x^8+8*x^7+5*x^6+36*x^5+5*x^4+8*x^3+9*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+2*x^4+3*x^3+2*x^2+x+6)$  lgdogf  
A089134 10.6420  $-x*(4+x^7-2*x^5+2*x^4+3*x^3-6*x^2-x)/(x+1)/(x^3-x^2+1)/(x^5-x^3+x^2+x+1)$  lgdogf  
A089134 9.36844 [  $-(x+1)*(x^3-x^2+1)/(x^5-x^3+x^2+x+1)$  ogf]  
A089135 6.81517  $-x^2*(-8*x^9-7*x^8-10*x^7-9*x^6+4*x^4+6*x^3+12*x+6-6*x^{11}-4*x^{10}+2*x^2+x^{16})/(x^{10}-2*x^4+x^2+1)/(x^9-x^4-2*x^3-x^2-1)$  lgdogf  
A089135 8.48457  $-(x^9-x^4-2*x^3-x^2-1)/(x^{10}-2*x^4+x^2+1)$  ogf]  
A089138 18.1716  $-3*(-5+72*x)/(18*x-1)/(9*x-1)$  lgdogf  
A089138 3.38560 [  $\{(-n-3)*a(n+3)+(69+27*n)*a(n+2)+(-378-162*n)*a(n+1), a(0) = 1,$

$a(1) = 15, a(2) = 207$ }, ogf]  
A089143 11.6904  $1/2*\ln(2*x-3)-1/2*\ln((2*x+1)^{(1/2)}-2)+1/2*\ln((2*x+1)^{(1/2)}+2)-\ln(3)$  reveqf  
A089143 17.7138 [  $3*(x+1)/(2*x-1)/(x-1)$  ogf]  
A089143 22.3788  $-2*(-2+2*x+x^2)/(x-1)/(2*x-1)/(x+1)$  lgdogf  
A089143 9.60386 [  $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 3, a(1) = 12\}$ , ogf]  
A089145 12.9603 [  $-(2*x^5+x^4+6*x^3+x^2+2*x+3)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A089145 7.79529  $-2*(1+x+x^{10}+x^9+9*x^8+2*x^7+5*x^6+9*x^5+5*x^4+2*x^3+9*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(2*x^5+x^4+6*x^3+x^2+2*x+3)$  lgdogf  
A089146 12.3685  $-(1+16*x+x^6+16*x^5+3*x^4+16*x^3+3*x^2)/(x-1)/(x+1)/(x^2+1)/(x^3+8*x^2+x+4)$  lgdogf  
A089146 16.5982 [  $-(x^3+8*x^2+x+4)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A089154 11.1351 [  $2*(x+2)/(x-1)/(x^2+6*x-1)$  ogf]  
A089154 12.0453  $-(-15+20*x+11*x^2+2*x^3)/(x-1)/(x+2)/(x^2+6*x-1)$  lgdogf  
A089154 5.13182 [  $\{a(n+3)-7*a(n+2)+5*a(n+1)+a(n), a(0) = 4, a(1) = 30, a(2) = 190\}$ , ogf]  
A089155 19.3054  $-(-5+18*x)/(6*x-1)/(-1+2*x)$  lgdegf  
A089155 3.62134 [  $\{(12*n^2+54*n+60)*a(n+1)+(-8*n-21)*a(n+2)+a(n+3), a(0) = 1, a(1) = 5, a(2) = 47\}$ , ogf]  
A089156 5.40052 [  $\{(-64*n^2-64*n-16)*a(n)+(n^2+2*n+1)*a(n+1), a(0) = 0, a(1) = 16\}$ , ogf]  
A089165 18.8360  $-2*(2-5*x+x^2)/(x-1)/(x^2-6*x+1)$  lgdogf  
A089181 24.6161 [  $1/(7*x^2-2*x+1)$  ogf]  
A089181 29.9016  $-2*(-1+7*x)/(7*x^2+1-2*x)$  lgdogf  
A089181 8.70571 [  $\{a(n+2)-2*a(n+1)+7*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A089182 5.18646 [  $-2*(10000*x^8+500*x^6+5*x^2+1)/(x-1)/(10*x-1)/(10*x^2-1)/(10*x^2+1)$  ogf]  
A089183 5.90373 [  $(300*x^4-10*x^2+1)/(x-1)/(10*x-1)/(100*x^4+1)$  ogf]  
A089186 13.7655  $2*(4-5*x+405*x^8-765*x^9+360*x^{10})/(x-1)/(90*x^{10}-90*x^9+10*x-9)$  lgdogf  
A089186 13.8169 [  $-(90*x^{10}-90*x^9+10*x-9)/(x-1)^2$  ogf]  
A089207 10.4434 [  $2*(x^2+8*x+3)/(x-1)^4$  ogf]  
A089207 21.0795  $-2*(10+13*x+x^2)/(x-1)/(x^2+8*x+3)$  lgdogf  
A089207 3.60117 [  $\{(3*n+12)*a(n+4)+(-5+5*n)*a(n+3)+(-40-7*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 6, a(1) = 40, a(2) = 126, a(3) = 288\}$ , ogf]  
A089252 17.3516  $-6*(4*x-1)/(-1+8*x)/(2*x-1)$  lgdegf  
A089252 3.23868 [  $\{(16*n^2+72*n+80)*a(n+1)+(-10*n-26)*a(n+2)+a(n+3), a(0) = 1, a(1) = 6, a(2) = 72\}$ , ogf]  
A089264 10.9166  $2*(-3+4*x+4*x^4-7*x^3+5*x^2)/(x-1)/(2*x-1)/(2*x^3-2*x^2+6*x-3)$  lgdogf  
A089264 7.75613 [  $(2*x^3-2*x^2+6*x-3)*(x-1)^2/(2*x-1)^3$  ogf]  
A089271 4.41508 [  $\{a(n+3)-20*a(n+2)+108*a(n+1)-144*a(n), a(0) = 1, a(1) = 38, a(2) = 652\}$ , ogf]  
A089271 8.10121  $-2*(19-108*x+2592*x^3-756*x^2)/(12*x-1)/(6*x-1)/(18*x+1)/(2*x-1)$  lgdogf  
A089271 8.97983 [  $-(18*x+1)/(-1+12*x)/(6*x-1)/(2*x-1)$  ogf]  
A089272 6.50361  $-8*(-6+127*x-356*x^2-3168*x^3+8640*x^4)/(12*x-1)/(6*x-1)/(8*x+1)/(20*x-1)/(2*x-1)$  lgdogf  
A089272 7.68403 [  $(8*x+1)/(-1+12*x)/(6*x-1)/(20*x-1)/(2*x-1)$  ogf]  
A089273 5.61153 [  $-(600*x^2+118*x+1)/(-1+12*x)/(6*x-1)/(20*x-1)/(2*x-1)/(30*x-1)$  ogf]  
A089274 5.75080  $-2*(35-1708*x+26316*x^2-144000*x^3+216000*x^4)/(12*x-1)/(6*x-1)/(20*x-1)/(2*x-1)/(30*x-1)$  lgdogf  
A089274 7.57470 [  $-1/(-1+12*x)/(6*x-1)/(20*x-1)/(2*x-1)/(30*x-1)$  ogf]  
A089277 5.36512 [  $1/(6*x-1)/(30*x-1)/(20*x-1)/(2*x-1)/(-1+12*x)/(42*x-1)$  ogf]  
A089304 8.36612 [  $x*(135*x^2+7*x+2)/(10*x-1)^2/(x-1)^2$  ogf]  
A089304 9.06302  $-3*(-17-89*x+70*x^2+900*x^3)/(x-1)/(10*x-1)/(135*x^2+7*x+2)$  lgdogf  
A089314 8.35557  $-4*(-16-27*x+625*x^3-15*x^2)/(x-1)/(10*x-1)/(125*x^2-2*x+3)$  lgdogf

A089314 8.76799 [  $2*x*(125*x^2-2*x+3)/(10*x-1)^2/(x-1)^2$  ogf]  
A089343 7.78174 [  $3*x*(115*x^2-11*x+4)/(10*x-1)^2/(x-1)^2$  ogf]  
A089350 7.85185 [  $20*x*(21*x^2-4*x+1)/(10*x-1)^2/(x-1)^2$  ogf]  
A089354 13.1691  $1/2*(1+4*x-x^2+(x^2-6*x+1)*(x-1)^2)^{(1/2)}*x$  revogf  
A089357 11.0366 [ $\{a(n+1)-64*a(n), a(0) = 1\}$ , ogf]  
A089357 26.5881 [  $-1/(64*x-1)$  ogf]  
A089357 38.2738  $1/64*\ln(1+64*x)$  revegff  
A089357 44.1620  $-64/(-1+64*x)$  lgdogf  
A089382 3.93588 [ $\{(2*n^2+8*n)*a(n)+(-13*n^2-61*n-60)*a(n+1)+(8*n^2+55*n+90)*a(n+2)+(-n^2-8*n-15)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 20\}$ , ogf]  
A089385 9.67991 [ $-(x^7+x^6-x^5+x^4-2*x^3+x^2-x+1)/(x^8-1)$  ogf\_with\_Euler\_transform]  
A089386 3.28801 [  $(100000*x^7-19000*x^6+4300*x^5-9760*x^4+4907*x^3-430*x^2-24*x-1)/(x-1)/(10000*x^3-1)/(10*x^3-1)$  ogf]  
A089408 5.91830 [ $\{(-4*n+4)*a(n)-2*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A089433 4.53168 [ $\{(-27*n^2-243*n-546)*a(n+1)+(4*n^2+34*n+52)*a(n+2), a(0) = 2, a(1) = 30\}$ , ogf]  
A089433 8.92392 [ $2*\text{hypergeom}([10/3, 11/3],[11/2],27/4*x)$  ogf]  
A089436 13.5018  $1/8*(5-6*x+x^2+((1-6*x+x^2)*(-3+x)^2)^{(1/2)}*x$  revogf  
A089498 3.81020 [  $4*x/(x+1)/(x^2-6*x+1)$  ogf]  
A089499 11.4303 [  $-x*(x^2-4*x-1)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A089499 9.95714  $-2*(2+5*x+x^5+12*x^2-2*x^3-6*x^4)/(x^2+2*x-1)/(x^2-4*x-1)/(x^2-2*x-1)$  lgdogf  
A089507 11.2673  $-1/288*(-30*x-1+(1+6*x)^{(1/2)}*(54*x+1)^{(1/2)})/x$  revogf  
A089507 15.0182 [  $1/(24*x-1)/(6*x-1)$  ogf]  
A089507 18.2609  $-6*(-5+48*x)/(24*x-1)/(6*x-1)$  lgdogf  
A089507 6.28669 [ $\{-a(n+2)+30*a(n+1)-144*a(n), a(0) = 1, a(1) = 30\}$ , ogf]  
A089508 5.20997 [ $\{-a(n+3)+8*a(n+2)-8*a(n+1)+a(n), a(0) = 1, a(1) = 14, a(2) = 103\}$ , ogf]  
A089508 9.82207 [  $(x^2-6*x-1)/(x-1)/(x^2-7*x+1)$  ogf]  
A089508 9.95192  $-(-14+18*x+x^4-12*x^3+37*x^2)/(x-1)/(x^2-7*x+1)/(x^2-6*x-1)$  lgdogf  
A089512 11.1394  $-2*(8+4*x+20*x^2-4*x^3+x^5)/(x^2-2)/(x^4-4*x^2+8*x+4)$  lgdegf  
A089512 8.03671 [  $-2*(x^4-4*x^2+8*x+4)/(x^2-2)^3$  egf]  
A089513 10.1714  $-18*(5-216*x+1440*x^2)/(6*x-1)/(24*x-1)/(60*x-1)$  lgdogf  
A089513 11.3360 [  $-1/(6*x-1)/(24*x-1)/(60*x-1)$  ogf]  
A089513 4.05514 [ $\{a(n+3)-90*a(n+2)+1944*a(n+1)-8640*a(n), a(0) = 1, a(1) = 90, a(2) = 6156\}$ , ogf]  
A089514 5.41234  $-6*(-35+4248*x+691200*x^3-120960*x^2)/(6*x-1)/(24*x-1)/(60*x-1)/(120*x-1)$  lgdogf  
A089514 6.13697 [  $1/(6*x-1)/(24*x-1)/(60*x-1)/(120*x-1)$  ogf]  
A089518 4.07471 [ $\{a(n+3)-90*a(n+2)+1944*a(n+1)-8640*a(n), a(0) = 1, a(1) = 138, a(2) = 10476\}$ , ogf]  
A089518 7.22873  $-6*(23-648*x-11232*x^2+138240*x^3)/(6*x-1)/(24*x-1)/(48*x+1)/(60*x-1)$  lgdogf  
A089518 8.34982 [  $-(48*x+1)/(6*x-1)/(24*x-1)/(60*x-1)$  ogf]  
A089519 4.64571 [  $(14400*x^2+672*x+1)/(6*x-1)/(24*x-1)/(60*x-1)/(120*x-1)$  ogf]  
A089574 15.2022  $-(32+2*x+3*x^3-13*x^2)/(x-1)/(x^3-4*x^2+2*x+5)$  lgdogf  
A089574 7.43008 [  $(x^3-4*x^2+2*x+5)/(x-1)^6$  ogf]  
A089590 10.3811 [  $x*(x+1)*(x^7+x^5+x^3+x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A089594 104.647  $-3/(x+1)$  lgdogf  
A089594 18.4151 [  $-1/(x+1)^3$  ogf]  
A089594 35.7677 [ $[-3+3*x]$  ogf\_with\_Euler\_transform]  
A089594 6.74125 [ $\{a(n+3)+3*a(n+2)+3*a(n+1)+a(n), a(0) = -1, a(1) = 3, a(2) = -6\}$ , ogf]  
A089597 14.4445 [ $-(x^9-x^3-x^2-1)*(x^4+1)$  ogf\_with\_Euler\_transform]  
A089598 13.6921 [  $(x^3+x^2+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A089598 16.8186  $-x*(x+2)*(3*x^3-2*x^2+4*x+1)/(x-1)/(x^2+x+1)/(x^3+x^2+1)$  lgdogf  
A089599 4.32575 [  $(x^{10}-x^9+x^5-x+1)/(x^2+1)/(x^2-x+1)/(x^6+x^3+1)/(x^2+x+1)^3/$

$(x+1)^3/(x-1)^6$  ogf]  
A089640 11.2413  $-(1+2*x+3*x^6+8*x^5+3*x^2+10*x^3+12*x^4)/(x^2+x+1)/(x^5+2*x^4+x^3-1)$  lgdogf  
A089640 11.9930  $[-(x^2+x+1)/(x^5+2*x^4+x^3-1)$  ogf]  
A089644 13.6018  $[7*(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A089644 20.3438  $-(2+6*x+x^3+3*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A089644 33.0328  $[-x^2+x+2$  ogf\_with\_Euler\_transform]  
A089644 7.27814  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 7, a(1) = 14, a(2) = 28},$  ogf]  
A089649 5.44256  $[-(x^28+x^25+x^22+2*x^19-2*x^18+2*x^16+2*x^13+x^10+x^7+x^4+1)/(2*x^18-1)/(x-1)^2$  ogf]  
A089651 5.23218  $[(x^20-x^16+x^5-x^4+1)/(x^4+1)/(x^8+1)/(x+1)^2/(x^2+1)^2/(x-1)^4$  ogf]  
A089658 13.5462  $[x*(x-2)/(2*x-1)^3$  ogf]  
A089658 32.3114  $-(-11+4*x)/(2*x-1)/(x-2)$  lgdogf  
A089658 6.95289  $[{a(n+3)-6*a(n+2)+12*a(n+1)-8*a(n), a(0) = 0, a(1) = 2, a(2) = 11},$  ogf]  
A089659 11.3197  $[x*(3*x+2)/(2*x-1)^4$  ogf]  
A089659 29.2208  $-(19+18*x)/(3*x+2)/(2*x-1)$  lgdogf  
A089659 5.06407  $[{(4+2*n)*a(n+3)+(-20-n)*a(n+2)+(-18-6*n)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 19},$  ogf]  
A089660 13.7701  $-(35+132*x+8*x^3+42*x^2)/(2*x-1)/(2*x^3+6*x^2+15*x+2)$  lgdogf  
A089660 4.01951  $[{(8*n^2+36*n+40)*a(n+1)+(22*n^2+204*n+392)*a(n+2)+(-13*n^2-51*n-50)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 35},$  ogf]  
A089660 7.78515  $[-x*(2*x^3+6*x^2+15*x+2)/(2*x-1)^5$  ogf]  
A089661 6.93979  $[x*(24*x^3+80*x^2+43*x+2)/(2*x-1)^6$  ogf]  
A089662 5.02568  $[x*(16*x^5-64*x^4-422*x^3-506*x^2-103*x-2)/(2*x-1)^7$  ogf]  
A089662 7.36015  $-(-131-2248*x+64*x^5-304*x^4-3632*x^3-6326*x^2)/(2*x-1)/(16*x^5-64*x^4-422*x^3-506*x^2-103*x-2)$  lgdogf  
A089663 4.38541  $[-x*(72*x^5-2096*x^4-4748*x^3-2364*x^2-227*x-2)/(2*x-1)^8$  ogf]  
A089663 6.65762  $-(-259-7906*x+432*x^5-16408*x^4-55864*x^3-42612*x^2)/(2*x-1)/(72*x^5-2096*x^4-4748*x^3-2364*x^2-227*x-2)$  lgdogf  
A089677 5.06627  $(8*n^2+8*n^3)*a(n)+(-20*n^2-28*n-12-4*n^3)*a(n+1)+(8*n^2+8*n+2*n^3)*a(n+2)+(-8*n^2-21*n-18-n^3)*a(n+3), a(0)=0, a(1)=1, a(2)=-1/2$  revegef  
A089683 10.8983  $[{a(n+1)-81*a(n), a(0) = 81},$  ogf]  
A089683 21.7967  $[-81/(81*x-1)$  ogf]  
A089683 44.4580  $-81/(-1+81*x)$  lgdogf  
A089683 48.1628  $1/81*\ln(x+1)$  revegef  
A089693 5.57325  $[{-a(n+5)+2*a(n+3), a(0) = 1, a(1) = 3, a(2) = 10, a(3) = 20, a(4) = 30},$  ogf]  
A089693 8.05879  $(-3-20*x+40*x^5+28*x^4-40*x^3-48*x^2)/(10*x^4+14*x^3+8*x^2+3*x+1)/(2*x^2-1)$  lgdogf  
A089693 9.23330  $[-(10*x^4+14*x^3+8*x^2+3*x+1)/(2*x^2-1)$  ogf]  
A089746 7.17781  $[-(3*x^11+3*x^10+3*x^9+3*x^8+2*x^7+2*x^6+x^5+x^4+2*x^3+x^2+4*x+4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A089772 10.5739  $[(199*x-2)/(x^2+199*x-1)$  ogf]  
A089772 11.8107  $-(-199-4*x+199*x^2)/(199*x-2)/(x^2+199*x-1)$  lgdogf  
A089772 6.02465  $[{-a(n+2)+199*a(n+1)+a(n), a(0) = 2, a(1) = 199},$  ogf]  
A089775 13.7339  $[-2*(161*x-1)/(x^2-322*x+1)$  ogf]  
A089775 15.7715  $-(161-2*x+161*x^2)/(161*x-1)/(x^2-322*x+1)$  lgdogf  
A089775 16.9847  $-(-1-161*x+(1+25920*x^2)^(1/2))/(x+322)$  revogf  
A089775 7.82512  $[{a(n+2)-322*a(n+1)+a(n), a(0) = 2, a(1) = 322},$  ogf]  
A089781 7.90420  $[-(x^5+x^4-x^3+2*x^2+1)/(x+1)/(x^2+1)/(x-1)^3$  ogf]  
A089781 8.25252  $-(2+6*x+x^8+x^6+10*x^5+4*x^7+9*x^4+12*x^3+3*x^2)/(-1+x)/(x+1)/(x^2+1)/(x^5+x^4-x^3+2*x^2+1)$  lgdogf  
A089798 11.5891  $[-(x^3-2*x)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A089799 21.9680  $[-1/(-x-1)$  ogf\_with\_Euler\_transform]  
A089800 18.3013  $[x/(x^2+1)$  ogf\_with\_Euler\_transform]  
A089801 3.31373  $[-(x^10-x^8-x^7-x^6-x^4-1)/(x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A089802 7.11836  $[-(x^3+x-1)/(x^4-x^3+x-1)$  ogf\_with\_Euler\_transform]



A089803 10.1533  $[-(-x^9-2x^4)/(x^{10}-1)$  ogf\_with\_Euler\_transform]  
A089804 11.8673  $[-(-3x^9-6x^4)/(x^{10}-1)$  ogf\_with\_Euler\_transform]  
A089805 7.55810  $[-(-x^7+x^3-x)/(x^8-x^6+x^2-1)$  ogf\_with\_Euler\_transform]  
A089806 6.22505  $[-(-x^9-x^3-x)/(x^{10}+x^8+x^6+x^4+x^2+1)$   
ogf\_with\_Euler\_transform]  
A089807 3.48418  $[-(-x^{10}-x^6-x^4-x^2+x-1)/(x^{11}-x^{10}+x^9-x^8+x^7-x^6+x^5-$   
 $x^4+x^3-x^2+x-1)$  ogf\_with\_Euler\_transform]  
A089810 8.23622  $[-(-x^5+x^4-x^3-x+1)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A089811 7.34520  $[-(x^{11}-x^9+x^7+x^3-x)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]  
A089812 7.76186  $[-(-x^5-2x^4-x^3-x^2-x-2)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A089813 6.71822  $[-(x^{11}+2x^9+x^7+x^5+x^3+2x)/(-x^{12}+1)$   
ogf\_with\_Euler\_transform]  
A089814 17.5862  $[2x^4/(x^{10}-1)$  ogf\_with\_Euler\_transform]  
A089817 16.3742  $[ -1/(x-1)/(x^2-5x+1)$  ogf]  
A089817 18.5462  $-3*(2-4x+x^2)/(x-1)/(x^2-5x+1)$  lgdogf  
A089817 5.36145  $[{a(n+3)-6*a(n+2)+6*a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 30},$   
ogf]  
A089830 12.1179  $-(-3+3x+x^5-x^4+3x^3-9x^2)/(x-1)/$   
 $(x^5-3x^4+5x^3-6x^2+3x-1)$  lgdogf  
A089830 7.16357  $[ -(x^5-3x^4+5x^3-6x^2+3x-1)/(x-1)^6$  ogf]  
A089835 3.67174  $[{(16n^2+48n+36)*a(n+1)+(-n-3)*a(n+2), a(0) = 1, a(1) = 2},$   
ogf]  
A089835 8.44500  $[hypergeom([1/2, 1/2],[2],16x),$  egf]  
A089883 7.86749  $-2*(2-16x+9x^6-36x^5+72x^4-80x^3+50x^2)/(x-1)/(3x-1)/$   
 $(2x-1)/(x^2-3x+1)/(3x^2-3x+1)$  lgdogf  
A089883 4.42861  $[ -(x-1)*(3x^2-3x+1)/(3x-1)/(2x-1)/(x^2-3x+1)$  ogf]  
A089887 9.13424  $[$   
 $(8192x^{16}+4096x^{15}+512x^{11}+256x^{10}+128x^9-64x^8-64x^7-32x^6-16x^5-8x^4-$   
 $-4x^3-4x^2-2x-1)/(256x^9-1)$  ogf]  
A089898 8.07494  $[ (10x^9+9x^8+8x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1)/$   
 $(x-1)^2/(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x^4-x^3+x^2-x+1)^2$  ogf]  
A089903 6.62671  $[ x*(45x^2+26x+1)/(10x-1)^2/(x-1)^2$  ogf]  
A089903 9.21928  $-12*(5x-2)*(15x^2+19x+2)/(x-1)/(10x-1)/(45x^2+26x+1)$   
lgdogf  
A089904 6.11559  $[ x*(80x^2+43x+3)/(10x-1)^2/(x-1)^2$  ogf]  
A089904 7.95127  $-(-109-513x+1600x^3+1290x^2)/(x-1)/(10x-1)/(80x^2+43x+3)$   
lgdogf  
A089905 6.14431  $[ 3x*(7x+2)*(5x+1)/(10x-1)^2/(x-1)^2$  ogf]  
A089905 8.49963  $-(-61-177x+700x^3+510x^2)/(x-1)/(5x+1)/(7x+2)/(10x-1)$   
lgdogf  
A089906 6.17235  $[ 10x*(12x^2+5x+1)/(10x-1)^2/(x-1)^2$  ogf]  
A089906 9.10675  $-3*(1+2x)*(40x^2+5x-9)/(x-1)/(-1+10x)/(12x^2+5x+1)$  lgdogf  
A089907 6.23981  $[ 3x*(40x^2+7x+7)/(10x-1)^2/(x-1)^2$  ogf]  
A089907 8.89042  $-(-7+16x)*(50x^2+35x+23)/(x-1)/(-1+10x)/(40x^2+7x+7)$   
lgdogf  
A089908 6.31499  $[ 7x*(15x^2-x+4)/(10x-1)^2/(x-1)^2$  ogf]  
A089908 9.04639  $-3*(-29+47x+100x^3-10x^2)/(x-1)/(-1+10x)/(15x^2-x+4)$  lgdogf  
A089909 6.34912  $[ 4x*(20x^2-11x+9)/(10x-1)^2/(x-1)^2$  ogf]  
A089909 8.49963  $-(-187+441x+400x^3-330x^2)/(x-1)/(-1+10x)/(20x^2-11x+9)$   
lgdogf  
A089914 20.7166  $-(-5+6x)/(-1+3x)^2$  lgdegf  
A089914 5.24352  $[{(-9n^2-33n-30)*a(n+1)+(6n+17)*a(n+2)-a(n+3), a(0) = 1, a(1)$   
 $= 5, a(2) = 49},$  ogf]  
A089915 10.7467  $-455+780x+(9-424x+1040x^2)*f(x)+(8-64x+128x^2)*f(x)^2$   
lgdegf  
A089915 4.31727  $[{(-16n^2-60n-56)*a(n+1)+(8n+23)*a(n+2)-a(n+3), a(0) = 1,$   
 $a(1) = 7, a(2) = 93},$  ogf]  
A089916 16.9287  $-(-9+20x)/(5x-1)^2$  lgdegf  
A089916 4.48750  $[{(-25n^2-95n-90)*a(n+1)+(10n+29)*a(n+2)-a(n+3), a(0) = 1,$   
 $a(1) = 9, a(2) = 151},$  ogf]  
A089917 24.1145  $-(-11+30x)/(6x-1)^2$  lgdegf

A089917 3.40288 [ $\{(-36*n^2-138*n-132)*a(n+1)+(12*n+35)*a(n+2)-a(n+3), a(0) = 1, a(1) = 11, a(2) = 223\}$ , ogf]  
A089926 12.0013 [ $(6*x-1)/(x^2+12*x-1)$  ogf]  
A089926 15.0139  $-2*(-3-x+3*x^2)/(6*x-1)/(x^2+12*x-1)$  lgdogf  
A089926 6.65134 [ $\{-a(n+2)+12*a(n+1)+a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A089927 14.3243  $-(5-15*x^2+4*x^3)/(x-1)/(x+1)/(x^2-5*x+1)$  lgdogf  
A089927 16.2071 [ $-1/(x-1)/(x+1)/(x^2-5*x+1)$  ogf]  
A089927 4.72175 [ $\{a(n+4)-5*a(n+3)+5*a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 25, a(3) = 120\}$ , ogf]  
A089928 18.5276  $-2*(1+2*x^3+3*x^2)/(x^2+1)/(x^2+2*x-1)$  lgdogf  
A089928 19.3960 [ $-1/(x^2+1)/(x^2+2*x-1)$  ogf]  
A089928 5.74122 [ $\{a(n+4)-2*a(n+3)-2*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 10\}$ , ogf]  
A089931 17.0514 [ $-1/(x^2+1)/(x^2+3*x-1)$  ogf]  
A089931 17.1674  $-(3+9*x^2+4*x^3)/(x^2+1)/(x^2+3*x-1)$  lgdogf  
A089931 5.04720 [ $\{a(n+4)-3*a(n+3)-3*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 30\}$ , ogf]  
A089932 6.64900 [ $-(x-1)^5/(2*x-1)/(x^2-3*x+1)/(x^3-3*x^2+4*x-1)$  ogf]  
A089932 8.63737  $-(4-24*x+2*x^6-12*x^5+31*x^4-44*x^3+48*x^2)/(x-1)/(2*x-1)/(x^2-3*x+1)/(x^3-3*x^2+4*x-1)$  lgdogf  
A089936 3.73926 [ $-(x^8-3*x^7-23*x^6+49*x^5+68*x^4-129*x^3-37*x^2+47*x+13)/(x^9-4*x^8-20*x^7+64*x^6+15*x^5-105*x^4+36*x^2+4*x-1)$  ogf]  
A089947 3.69514 [ $-(x-1)^9/(2*x-1)/(x^2-3*x+1)/(x^3-3*x^2+4*x-1)/(x^4-4*x^3+6*x^2-5*x+1)$  ogf]  
A089950 11.7431  $-(-23+61*x-25*x^2+3*x^3)/(-1+x)/(x-3)/(x^2-6*x+1)$  lgdogf  
A089950 8.85679 [ $-x*(x-3)/(x^2-6*x+1)/(x-1)^2$  ogf]  
A089951 12.2612  $2*(5-4*x-440*x^6+240*x^5+200*x^7)/(x-1)/(80*x^7-80*x^6+8*x^2-8*x-1)$  lgdogf  
A089958 9.97092 [ $-(x^5+x^4+x^3+x^2+x)/(x^8+x^6-x^2-1)$  ogf\_with\_Euler\_transform]  
A089963 26.2875  $-(-Ei(1,-1)+Ei(1,-1-x))/exp(1)$  revegef  
A089977 22.5581  $-(1+12*x^2)/(2*x-1)/(2*x^2+x+1)$  lgdogf  
A089977 24.5961 [ $-1/(2*x-1)/(2*x^2+x+1)$  ogf]  
A089977 7.58817 [ $\{-a(n+3)+a(n+2)+4*a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
A089978 19.0207 [ $-1/(3*x^3+3*x-1)$  ogf]  
A089978 22.7706  $-3*(1+3*x^2)/(-1+3*x+3*x^3)$  lgdogf  
A089978 6.67747 [ $\{-a(n+3)+3*a(n+2)+3*a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A089979 18.5279 [ $-1/(4*x^3+4*x-1)$  ogf]  
A089979 22.1807  $-4*(1+3*x^2)/(-1+4*x+4*x^3)$  lgdogf  
A089979 6.43601 [ $\{-a(n+3)+4*a(n+2)+4*a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$ , ogf]  
A089985 11.5335 [ $-(2*x^3-x^2+3*x-2)/(2*x-1)/(x-1)$  ogf]  
A089985 11.6895  $(-3+6*x+4*x^4-12*x^3+3*x^2)/(x-1)/(2*x-1)/(2*x^3-x^2+3*x-2)$  lgdogf  
A089985 6.11778 [ $\{a(n+4)-3*a(n+3)+2*a(n+2), a(0) = 2, a(1) = 3, a(2) = 6, a(3) = 10\}$ , ogf]  
A090010 25.8205  $-(43+12*x+x^2)/(x+6)/(x-1)$  lgdegf  
A090012 4.27489 [ $\{(-n-2)*a(n+1)+(-n-5)*a(n+2)+a(n+3), a(0) = 3, a(1) = 9, a(2) = 39\}$ , ogf]  
A090012 47.1110  $-(x+3)/(x-1)$  lgdegf  
A090013 3.93175 [ $\{(n+2)*a(n+1)+(n+6)*a(n+2)-a(n+3), a(0) = 4, a(1) = 16, a(2) = 84\}$ , ogf]  
A090013 43.5964  $-(x+4)/(x-1)$  lgdegf  
A090014 3.59839 [ $\{(-n-2)*a(n+1)+(-n-7)*a(n+2)+a(n+3), a(0) = 5, a(1) = 25, a(2) = 155\}$ , ogf]  
A090014 40.1371  $-(x+5)/(x-1)$  lgdegf  
A090015 3.76382 [ $\{(-n-2)*a(n+1)+(-n-8)*a(n+2)+a(n+3), a(0) = 6, a(1) = 36, a(2) = 258\}$ , ogf]  
A090015 42.0259  $-(x+6)/(x-1)$  lgdegf  
A090016 3.86723 [ $\{(-n-2)*a(n+1)+(-n-9)*a(n+2)+a(n+3), a(0) = 7, a(1) = 49, a(2) = 399\}$ , ogf]  
A090016 43.2065  $-(x+7)/(x-1)$  lgdegf  
A090017 17.3504 [ $-x/(2*x^2+4*x-1)$  ogf]

A090017 18.0695  $1/4 \cdot x^{(-1-4x+(1+8x+24x^2)^{(1/2)})}$  revogf  
A090017 28.7469  $-4 \cdot (x+1)/(2x^2-1+4x)$  lgdogf  
A090017 7.92551  $[ \{-a(n+2)+4a(n+1)+2a(n), a(0) = 0, a(1) = 1\}, ogf]$   
A090018 15.2283  $1/6/x^{(-1-6x+(1+12x+48x^2)^{(1/2)})}$  revogf  
A090018 16.9758  $[ -1/(3x^2+6x-1) ogf]$   
A090018 24.9190  $-6 \cdot (1+x)/(3x^2-1+6x)$  lgdogf  
A090018 6.83173  $[ \{-a(n+2)+6a(n+1)+3a(n), a(0) = 1, a(1) = 6\}, ogf]$   
A090019 15.0321  $[ (4x-1)/(10x-1) ogf]$   
A090019 15.9841  $1/8+5/4x-1/8 \cdot (1+4x+100x^2)^{(1/2)}$  revogf  
A090019 29.4444  $6/(10x-1)/(-1+4x)$  lgdogf  
A090019 7.82495  $[ \{a(n+2)-10a(n+1), a(0) = 1, a(1) = 6\}, ogf]$   
A090020 6.66831  $-(13-104x+222x^2+124x^3-851x^4+660x^5)/(x-1)/(3x-1)/(5x-1)/(-1+2x)/(11x^2-2x-1)$  lgdogf  
A090020 7.72760  $[ -x \cdot (11x^2-2x-1)/(x-1)/(3x-1)/(2x-1)/(5x-1) ogf]$   
A090021 6.45306  $-(21-154x-3132x^4+1152x^3+2160x^5+153x^2)/(x-1)/(6x-1)/(-1+3x)/(2x-1)/(30x^2-9x-1)$  lgdogf  
A090021 7.72840  $[ -x \cdot (30x^2-9x-1)/(x-1)/(6x-1)/(3x-1)/(2x-1) ogf]$   
A090022 6.05520  $-(25-244x+390x^2+2564x^3-9335x^4+7896x^5)/(x-1)/(-1+3x)/(7x-1)/(-1+4x)/(47x^2-10x-1)$  lgdogf  
A090022 7.22720  $[ -x \cdot (47x^2-10x-1)/(x-1)/(3x-1)/(7x-1)/(4x-1) ogf]$   
A090023 5.93329  $[ -x \cdot (200x^3-136x^2+19x+1)/(x-1)/(4x-1)/(3x-1)/(2x-1)/(8x-1) ogf]$   
A090024 5.51725  $[ -x \cdot (291x^3-189x^2+25x+1)/(x-1)/(3x-1)/(9x-1)/(2x-1)/(5x-1) ogf]$   
A090040 12.9061  $[ -(3x-1)/(6x-1)/(2x-1) ogf]$   
A090040 13.8453  $-1/6 \cdot (-1-8x+(4x+1+16x^2)^{(1/2)})/(1+4x)$  revogf  
A090040 14.1830  $-(5-24x+36x^2)/(6x-1)/(-1+3x)/(2x-1)$  lgdogf  
A090040 7.15278  $[ \{a(n+2)-8a(n+1)+12a(n), a(0) = 1, a(1) = 5\}, ogf]$   
A090041 12.4291  $[ -(4x-1)/(20x^2-10x+1) ogf]$   
A090041 13.3066  $-1/8 \cdot (-1-10x+(1+4x+20x^2)^{(1/2)})/(1+5x)$  revogf  
A090041 13.3066  $-2 \cdot (3-20x+40x^2)/(-1+4x)/(20x^2-10x+1)$  lgdogf  
A090041 6.95437  $[ \{a(n+2)-10a(n+1)+20a(n), a(0) = 1, a(1) = 6\}, ogf]$   
A090042 13.3599  $[ (x-1)/(11x^2+2x-1) ogf]$   
A090042 15.8425  $-(-1-22x+11x^2)/(x-1)/(11x^2+2x-1)$  lgdogf  
A090042 15.8425  $1/2/(11x-1) \cdot (-2x-1+(48x^2+1)^{(1/2)})$  revogf  
A090042 7.40429  $[ \{-a(n+2)+2a(n+1)+11a(n), a(0) = 1, a(1) = 1\}, ogf]$   
A090097 6.18926  $[ (x^6+7x^5+2x^4+7x^3+9x^2+2x+8)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2 ogf]$   
A090107 7.74696  $[ -(2x^{66}+4x^{65}+244x^{64}-14x^{63})/(6x^{66}-4x^{65}-244x^{64}+502x^{63}-273x^{62}+16x^{61}) ogf]$   
A090107 9.19841  $2 \cdot (-578-145433x^2+8228x+39304x^{65}+39304x^{66})/(-153661x^2-578+8806x+39304x^{65}+145433x^3)$  lgdogf  
A090108 11.0046  $[ -(34x^{69}+68x^{68}+1)/(102x^{69}-68x^{68}-x^2+2x-1) ogf]$   
A090108 20.5877  $2 \cdot (-1+1207x^{68}+1207x^{69})/(-1+x+1207x^{68})$  lgdogf  
A090109 6.99517  $[ -(1125x^{67}+2250x^{66}+332x^{65}+195x^{64}+75)/(3375x^{67}-2250x^{66}-332x^{65}+4469x^{64}-17x^{63}-45x^{62}-75) ogf]$   
A090109 8.04792  $2 \cdot (-47610-211898x^2-124200x+24638175x^{66}+24638175x^{67})/(-87698x^2-47610-76590x+24638175x^{66}+211898x^3)$  lgdogf  
A090129 14.2684  $[ (2x^2-1)/(2x-1) ogf]$   
A090129 17.3152  $2 \cdot (1-2x+2x^2)/(2x-1)/(2x^2-1)$  lgdogf  
A090129 6.96436  $[ \{-a(n+3)+2a(n+2), a(0) = 1, a(1) = 2, a(2) = 2\}, ogf]$   
A090131 10.5380  $[ \{-a(n+2)+2a(n+1)-2a(n), a(0) = 1, a(1) = 3\}, ogf]$   
A090131 19.2025  $[ (x+1)/(2x^2-2x+1) ogf]$   
A090131 22.1149  $-1/2 \cdot (-1-2x+(1+8x-4x^2)^{(1/2)})/(-1+2x)$  revogf  
A090131 26.5379  $-(-3+4x+2x^2)/(x+1)/(2x^2-2x+1)$  lgdogf  
A090132 16.4273  $[ (2x+1)/(2x^2+2x+1) ogf]$   
A090132 21.4226  $-1/4 \cdot (-1+2x+(4x+1-4x^2)^{(1/2)})/(x-1)$  revogf  
A090132 26.1088  $-4x \cdot (x+1)/(2x+1)/(2x^2+2x+1)$  lgdogf  
A090132 9.12628  $[ \{-a(n+2)-2a(n+1)-2a(n), a(0) = 1, a(1) = 0\}, ogf]$   
A090133 15.2676  $[ (4x+1)/(5x^2+4x+1) ogf]$   
A090133 17.0870  $-1/2 \cdot (-1+4x+(1+8x-4x^2)^{(1/2)})/(-4+5x)$  revogf

A090133 20.5044  $-10*x*(2*x+1)/(4*x+1)/(5*x^2+4*x+1)$  lgdogf  
A090133 8.48200  $[{-a(n+2)-4*a(n+1)-5*a(n), a(0) = 1, a(1) = 0}]$ , ogf]  
A090139 12.3016  $[ -(5*x-1)/(20*x^2-10*x+1)$  ogf]  
A090139 13.8096  $-5*(1-8*x+20*x^2)/(5*x-1)/(20*x^2-10*x+1)$  lgdogf  
A090139 6.88305  $[{a(n+2)-10*a(n+1)+20*a(n), a(0) = 1, a(1) = 5}]$ , ogf]  
A090168 11.1878  $-(2+6*x+5*x^5+2*x^6+18*x^3+13*x^4+14*x^2)/(x-1)/(x+1)/(x^2+x+1)/$   
 $(x^3+x^2+2*x+1)$  lgdogf  
A090168 11.6455  $[ x*(x^3+x^2+2*x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A090169 10.1659  $-(4+40*x^3+16*x+21*x^5+37*x^4+6*x^6+32*x^2)/(x-1)/(x+1)/(x^2+x$   
 $+1)/(3*x^3+5*x^2+4*x+1)$  lgdogf  
A090169 11.3847  $[ x*(3*x^3+5*x^2+4*x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A090176 8.88530  $[ -(x^6-x^3+1)/(x^2-x+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x+1)^2/$   
 $(x^2+1)^2/(x-1)^3$  ogf]  
A090192 18.4654  $-1/2*(-2*x-1+(1+4*x^2)^(1/2))/x/(1+4*x^2)^(1/2)$  lgdogf  
A090192 57.8584  $x*(1+x)/(2*x+1)$  revogf  
A090197 10.6767  $[ -(5*x^2-10*x-1)/(x-1)^4$  ogf]  
A090197 18.7875  $-2*(-7-10*x+5*x^2)/(x-1)/(5*x^2-10*x-1)$  lgdogf  
A090198 11.2110  $-2*(21+71*x-24*x^2-9*x^3+x^4)/(x-1)/(2*x^4-13*x^3-3*x^2+37*x+1)$   
lgdogf  
A090198 7.42558  $[ -(2*x^4-13*x^3-3*x^2+37*x+1)/(x-1)^5$  ogf]  
A090199 6.34023  $[ (21*x^4-154*x^3+126*x^2+126*x+1)/(x-1)^6$  ogf]  
A090199 9.72249  $-6*(22+147*x+7*x^4-63*x^3+7*x^2)/(x-1)/$   
 $(21*x^4-154*x^3+126*x^2+126*x+1)$  lgdogf  
A090200 4.38983  $[ (5*x^6-86*x^5+173*x^4+908*x^3-1297*x^2-422*x-1)/(x-1)^7$  ogf]  
A090200 5.58386  $-(-429-5126*x+5*x^6-3761*x^2+4324*x^3+89*x^4-142*x^5)/(x-1)/$   
 $(5*x^6-86*x^5+173*x^4+908*x^3-1297*x^2-422*x-1)$  lgdogf  
A090220 7.67291  $[ 1/108*(x^11+x^10+54*x^4-324*x^2-648*x-648)/(x^3-6)$  egf]  
A090223 10.9176  $-(2+4*x+3*x^7+5*x^6+7*x^5+9*x^4+4*x^3+6*x^2)/(x-1)/(x+1)/$   
 $(x^2+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A090223 11.7384  $[ x^2*(x+1)*(x^2+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A090223 31.0689  $[x^4-x^3+2$  ogf\_with\_Euler\_transform]  
A090247 11.6213  $[ -2*(13*x-1)/(x^2-26*x+1)$  ogf]  
A090247 14.0818  $-(13-2*x+13*x^2)/(13*x-1)/(x^2-26*x+1)$  lgdogf  
A090247 6.50238  $[{a(n+2)-26*a(n+1)+a(n), a(0) = 2, a(1) = 26}]$ , ogf]  
A090248 11.7983  $[ -(27*x-2)/(x^2-27*x+1)$  ogf]  
A090248 14.3007  $-(27-4*x+27*x^2)/(27*x-2)/(x^2-27*x+1)$  lgdogf  
A090248 6.60140  $[{a(n+2)-27*a(n+1)+a(n), a(0) = 2, a(1) = 27}]$ , ogf]  
A090249 11.8573  $[ -2*(14*x-1)/(x^2-28*x+1)$  ogf]  
A090249 15.1722  $-2*(7-x+7*x^2)/(14*x-1)/(x^2-28*x+1)$  lgdogf  
A090249 6.63442  $[{a(n+2)-28*a(n+1)+a(n), a(0) = 2, a(1) = 28}]$ , ogf]  
A090251 11.9752  $[ -(29*x-2)/(x^2-29*x+1)$  ogf]  
A090251 14.5196  $-(29-4*x+29*x^2)/(29*x-2)/(x^2-29*x+1)$  lgdogf  
A090251 6.70043  $[{a(n+2)-29*a(n+1)+a(n), a(0) = 2, a(1) = 29}]$ , ogf]  
A090277 5.04710  $[ -(x^18+x^17+x^15+x^13+x^12-2*x^11+4*x^9-x^7+x^6-x^5+2*x^3+x$   
 $+1)/(x-1)/(x^2+1)/(x^4-x^2+1)/(x^4+1)/(x^8-x^4+1)$  ogf]  
A090281 11.6056  $-(2+2*x-x^4-2*x^3+x^8+2*x^7+2*x^6+2*x^5+2*x^2)/(x-1)/$   
 $(x^4+x^3+x^2+x+1)/(x^4+1)$  lgdogf  
A090281 11.9951  $[ -(x^4+x^3+x^2+x+1)/(x-1)/(x^4+1)$  ogf]  
A090281 24.9075  $[x^7-x^4-x^3+2$  ogf\_with\_Euler\_transform]  
A090288 13.2546  $[ 2*(x^2-2*x-1)/(x-1)^3$  ogf]  
A090288 25.5849  $-(-5-2*x+x^2)/(x-1)/(x^2-2*x-1)$  lgdogf  
A090288 7.09239  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 10, a(2) =$   
 $22}]$ , ogf]  
A090294 14.9473  $-(x+1)*(5*x^2-24*x+35)/(x-1)/(5*x^3-17*x^2+15*x+5)$  lgdogf  
A090294 4.14141  $[{(-2*n^2-25*n-42)*a(n+1)+(-8*n^2-66*n-135)*a(n+2)+(10*n^2+55*n$   
 $+75)*a(n+3), a(0) = 5, a(1) = 35, a(2) = 93}]$ , ogf]  
A090294 9.64582  $[ (5*x^3-17*x^2+15*x+5)/(x-1)^4$  ogf]  
A090296 10.8123  $-(-63-8*x+7*x^4-36*x^3+60*x^2)/(x-1)/$   
 $(7*x^4-32*x^3+52*x^2-28*x-7)$  lgdogf  
A090296 7.09688  $[ 2*(7*x^4-32*x^3+52*x^2-28*x-7)/(x-1)^5$  ogf]  
A090297 5.54776  $[ 2*(21*x^5-119*x^4+266*x^3-278*x^2+105*x+21)/(x-1)^6$  ogf]

A090297 7.37065  $-(231-31*x-133*x^4+322*x^3+21*x^5-314*x^2)/(x-1)/(21*x^5-119*x^4+266*x^3-278*x^2+105*x+21)$  lgdogf  
A090300 11.2123  $[2*(7*x-1)/(x^2+14*x-1)$  ogf]  
A090300 13.9363  $-(-7-2*x+7*x^2)/(-1+7*x)/(x^2+14*x-1)$  lgdogf  
A090300 6.27354  $[{-a(n+2)+14*a(n+1)+a(n), a(0) = 2, a(1) = 14},$  ogf]  
A090301 11.3931  $[(15*x-2)/(x^2+15*x-1)$  ogf]  
A090301 13.4396  $-(-15-4*x+15*x^2)/(15*x-2)/(x^2+15*x-1)$  lgdogf  
A090301 6.37473  $[{-a(n+2)+15*a(n+1)+a(n), a(0) = 2, a(1) = 15},$  ogf]  
A090305 11.6945  $[2*(8*x-1)/(x^2+16*x-1)$  ogf]  
A090305 14.9531  $-2*(-4-x+4*x^2)/(8*x-1)/(x^2+16*x-1)$  lgdogf  
A090305 6.54337  $[{-a(n+2)+16*a(n+1)+a(n), a(0) = 2, a(1) = 16},$  ogf]  
A090306 11.8754  $[(17*x-2)/(x^2+17*x-1)$  ogf]  
A090306 14.0208  $-(-17-4*x+17*x^2)/(17*x-2)/(x^2+17*x-1)$  lgdogf  
A090306 6.64455  $[{-a(n+2)+17*a(n+1)+a(n), a(0) = 2, a(1) = 17},$  ogf]  
A090307 10.5594  $[2*(9*x-1)/(x^2+18*x-1)$  ogf]  
A090307 13.4779  $-(-9-2*x+9*x^2)/(9*x-1)/(x^2+18*x-1)$  lgdogf  
A090307 5.90826  $[{-a(n+2)+18*a(n+1)+a(n), a(0) = 2, a(1) = 18},$  ogf]  
A090308 10.6774  $[(19*x-2)/(x^2+19*x-1)$  ogf]  
A090308 12.5833  $-(-19-4*x+19*x^2)/(19*x-2)/(x^2+19*x-1)$  lgdogf  
A090308 5.97427  $[{-a(n+2)+19*a(n+1)+a(n), a(0) = 2, a(1) = 19},$  ogf]  
A090309 10.8544  $[2*(10*x-1)/(x^2+20*x-1)$  ogf]  
A090309 13.1333  $-2*(-5-x+5*x^2)/(-1+10*x)/(x^2+20*x-1)$  lgdogf  
A090309 6.07330  $[{-a(n+2)+20*a(n+1)+a(n), a(0) = 2, a(1) = 20},$  ogf]  
A090310 10.9134  $[(21*x-2)/(x^2+21*x-1)$  ogf]  
A090310 12.8677  $-(-21-4*x+21*x^2)/(21*x-2)/(x^2+21*x-1)$  lgdogf  
A090310 6.10630  $[{-a(n+2)+21*a(n+1)+a(n), a(0) = 2, a(1) = 21},$  ogf]  
A090313 11.2083  $[2*(11*x-1)/(x^2+22*x-1)$  ogf]  
A090313 13.2231  $-(-11-2*x+11*x^2)/(11*x-1)/(x^2+22*x-1)$  lgdogf  
A090313 6.27133  $[{-a(n+2)+22*a(n+1)+a(n), a(0) = 2, a(1) = 22},$  ogf]  
A090314 11.2673  $[(23*x-2)/(x^2+23*x-1)$  ogf]  
A090314 13.2942  $-(-23-4*x+23*x^2)/(23*x-2)/(x^2+23*x-1)$  lgdogf  
A090314 6.30435  $[{-a(n+2)+23*a(n+1)+a(n), a(0) = 2, a(1) = 23},$  ogf]  
A090316 11.3853  $[2*(-1+12*x)/(x^2+24*x-1)$  ogf]  
A090316 14.1627  $-2*(-6-x+6*x^2)/(12*x-1)/(x^2+24*x-1)$  lgdogf  
A090316 6.37036  $[{-a(n+2)+24*a(n+1)+a(n), a(0) = 2, a(1) = 24},$  ogf]  
A090317 15.5027  $1/8+1/2*x-9/8*x^2-1/8*((9*x^2-2*x+1)*(-1+3*x)^2)^{(1/2)}$  revogf  
A090326 10.3517  $[4*x^2-3*x+1)/(3*x-1)/(2*x-1)/(x-1)^2$  ogf]  
A090326 3.60280  $[{(-12*n-30)*a(n+1)+(22*n+43)*a(n+2)+(-12*n-20)*a(n+3)+(2*n+3)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 15, a(3) = 54},$  ogf]  
A090326 9.17621  $-2*(3*x-2)*(8*x^3-7*x^2+4*x-1)/(x-1)/(-1+3*x)/(2*x-1)/(4*x^2-3*x+1)$  lgdogf  
A090327 10.6630  $[-(2*x^3-2*x^2-2*x+1)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A090327 5.52899  $[{a(n+4)-6*a(n+3)+11*a(n+2)-6*a(n+1), a(0) = 1, a(1) = 4, a(2) = 11, a(3) = 30},$  ogf]  
A090327 8.45345  $-2*(2-13*x+29*x^2-24*x^3+5*x^4)/(x-1)/(3*x-1)/(-1+2*x)/(2*x^3-2*x^2-2*x+1)$  lgdogf  
A090328 12.5094  $[(x^2+x-1)/(3*x-1)/(x-1)^2$  ogf]  
A090328 14.2632  $-(-4-12*x+3*x^3+9*x^2)/(x-1)/(3*x-1)/(x^2+x-1)$  lgdogf  
A090328 6.75287  $[{a(n+3)-5*a(n+2)+7*a(n+1)-3*a(n), a(0) = 1, a(1) = 4, a(2) = 12},$  ogf]  
A090337 10.1673  $[{a(n+2)-99*a(n), a(0) = 1, a(1) = 11},$  ogf]  
A090337 15.6057  $[-(11*x+1)/(99*x^2-1)$  ogf]  
A090337 16.4765  $1/22*(-1+(1+44*x+396*x^2)^{(1/2)})/(1+9*x)$  revogf  
A090337 16.8990  $-11*(1+18*x+99*x^2)/(11*x+1)/(99*x^2-1)$  lgdogf  
A090344 15.4132  $-1/2*(-1-x-x^2+(1+2*x+3*x^2-2*x^3+x^4)^{(1/2)})/x^2$  revogf  
A090344 3.88501  $[{(4*n+10)*a(n+1)+(-3*n-8)*a(n+2)+(-2*n-10)*a(n+3)+(n+6)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 3},$  ogf]  
A090345 13.3193  $1/2+1/2*x+1/2*x^2-1/2*(x^4+2*x^3+3*x^2-2*x+1)^{(1/2)}$  revogf  
A090345 3.53683  $[{(-4*n-6)*a(n+1)+(3*n+9)*a(n+2)+(2*n+9)*a(n+3)+(-n-6)*a(n+4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 1},$  ogf]  
A090374 4.40873  $[{(-1024*n^3-7680*n^2-19136*n-15840)*a(n$

+1)+(27\*n^3+270\*n^2+897\*n+990)\*a(n+2), a(0) = 1, a(1) = 10}, ogf]  
A090374 7.62462  $-1/4*(-27-1520*x+2880*x^2+(-8*x-27)^2*(-1+24*x)^3)^{(1/2)}/(5+8*x)^4$  revogf  
A090381 15.7510 [  $-(7*x^2+4*x+1)/(x+1)/(x-1)^3$  ogf]  
A090386 12.4448  $-(-64+132*x-99*x^2+26*x^3)/(x-1)/(13*x^3-46*x^2+56*x-24)$  lgdogf  
A090386 3.74466 [  $\{(19*n^2+173*n+270)*a(n+1)+(-35*n^2-245*n-306)*a(n+2)+(16*n^2+84*n+104)*a(n+3), a(0) = 0, a(1) = 24, a(2) = 64\}$ , ogf]  
A090386 7.44989 [  $x*(13*x^3-46*x^2+56*x-24)/(x-1)^5$  ogf]  
A090390 13.5087 [  $-(x^2+4*x-1)/(x+1)/(x^2-6*x+1)$  ogf]  
A090390 15.9051  $-(x^2+10*x+1)*(x-1)^2/(x+1)/(x^2-6*x+1)/(x^2+4*x-1)$  lgdogf  
A090390 7.35744 [  $\{-a(n+3)+5*a(n+2)+5*a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 9\}$ , ogf]  
A090391 5.85740 [  $x*(71*x^4-316*x^3+534*x^2-408*x+120)/(x-1)^6$  ogf]  
A090391 8.65162  $-2*(156-486*x+594*x^2-332*x^3+71*x^4)/(x-1)/(71*x^4-316*x^3+534*x^2-408*x+120)$  lgdogf  
A090392 4.99268 [  $x*(461*x^5-2482*x^4+5376*x^3-5864*x^2+3228*x-720)/(x-1)^7$  ogf]  
A090392 6.54402  $-(-1812+7640*x+922*x^5-13192*x^2+11576*x^3-5141*x^4)/(x-1)/(461*x^5-2482*x^4+5376*x^3-5864*x^2+3228*x-720)$  lgdogf  
A090393 4.04624 [  $x*(3447*x^6-21824*x^5+57742*x^4-81760*x^3+65388*x^2-28032*x+5040)/(x-1)^8$  ogf]  
A090399 23.3136 [  $1/(2*x^4-2*x+1)$  ogf]  
A090399 30.5297  $-2*(-1+4*x^3)/(1-2*x+2*x^4)$  lgdogf  
A090400 20.5991 [  $1/(3*x^3-3*x+1)$  ogf]  
A090400 24.6830  $-3*(-1+3*x^2)/(1-3*x+3*x^3)$  lgdogf  
A090400 7.23159 [  $\{-a(n+3)+3*a(n+2)-3*a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A090401 11.4034  $a(n+4)-3*a(n+3)+3*a(n), a(0)=3, a(1)=9, a(2)=27, a(3)=69$  lgdogf  
A090401 19.0549 [  $1/(3*x^4-3*x+1)$  ogf]  
A090407 11.2726 [  $(6*x-1)/(4*x+1)/(16*x-1)$  ogf]  
A090407 11.7836  $-2*(24*x+1)*(8*x-3)/(6*x-1)/(1+4*x)/(16*x-1)$  lgdogf  
A090407 6.30726 [  $\{-a(n+2)+12*a(n+1)+64*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A090408 10.1662 [  $-(24*x+1)/(4*x+1)/(16*x-1)$  ogf]  
A090408 10.3671  $-4*(9+32*x+384*x^2)/(24*x+1)/(4*x+1)/(-1+16*x)$  lgdogf  
A090408 10.3671  $1/16*(-1-12*x+(1+120*x+400*x^2)^{(1/2)})/(8*x+3)$  revogf  
A090408 5.74089 [  $\{a(n+2)-12*a(n+1)-64*a(n), a(0) = 1, a(1) = 36\}$ , ogf]  
A090409 13.5806 [  $(x-1)/(x+1)/(8*x-1)$  ogf]  
A090409 13.9336  $1/2/(-1+8*x)*(-7*x-1+(81*x^2+10*x+1)^{(1/2)})$  revogf  
A090409 16.1931  $-2*(-3-8*x+4*x^2)/(x-1)/(8*x-1)/(x+1)$  lgdogf  
A090409 7.45279 [  $\{-a(n+2)+7*a(n+1)+8*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A090411 18.4415 [  $(x-1)/(16*x-1)$  ogf]  
A090411 20.2647  $1/2+8*x-1/2*(1+28*x+256*x^2)^{(1/2)}$  revogf  
A090411 38.2777  $15/(16*x-1)/(-1+x)$  lgdogf  
A090411 9.46996 [  $\{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A090412 11.5294  $-(x+1+3*x*(1+4*x^2)^{(1/2)}-(1+4*x^2)^{(1/2)})/(1+4*x^2)^{(1/2)}/x/(3*x-2)$  lgdogf  
A090412 3.82760 [  $\{(12*n+24)*a(n+1)+(-8*n-16)*a(n+2)+(3*n+15)*a(n+3)+(-2*n-10)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4\}$ , ogf]  
A090412 34.0870  $x*(2*x+1)/(1+x)/(1+3*x)$  revogf  
A090413 25.1802  $x*(1+3*x)/(2*x+1)/(1+4*x)$  revogf  
A090413 8.17540  $-1/2*(2*x+3+16*x*(1+4*x^2)^{(1/2)}-3*(1+4*x^2)^{(1/2)})/(1+4*x^2)^{(1/2)}/(8*x-3)/x$  lgdogf  
A090415 7.78936 [  $-(4*x^8-5*x^7-4*x^6-5*x^5-4*x^4-5*x^3-5*x^2-4*x-9)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A090429 7.82586 [  $-(11*x^7-x^6-9*x^5-x^4-x^3-9*x^2-x-100)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A090442 14.6518  $-((1-12*x+4*x^2)^{(1/2)}-1)/x/(1-12*x+4*x^2)^{(1/2)}$  lgdogf  
A090442 4.67622 [  $\{(4*n+8)*a(n+1)+(-12*n-42)*a(n+2)+(n+5)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 44\}$ , ogf]  
A090442 41.3697  $x/(2*x+1)/(1+4*x)$  revogf  
A090443 6.48910 [  $\{(-n^3-9*n^2-26*n-24)*a(n+1)+a(n+2), a(0) = 1, a(1) = 6\}$ , ogf]  
A090448 13.4648  $-4*(24+58*x+x^3+22*x^2)/(x-1)/(x^3+17*x^2+33*x+9)$  lgdogf  
A090448 3.65817 [  $\{(n^2+10*n+25)*a(n+1)+(-7*n^2-82*n-264)*a(n+2)+(6*n^2+42*n$

+72)\*a(n+3), a(0) = 9, a(1) = 96, a(2) = 500}, ogf]  
A090448 6.29069 [  $-(x^3+17x^2+33x+9)/(x-1)^7$  ogf]  
A090449 4.03111 [  $-(x^6+109x^5+1435x^4+4735x^3+4780x^2+1444x+96)/(x-1)^{11}$  ogf]  
A090453 15.1207  $-2*(8+3x+3x^3-9x^2)/(x-1)/(3x^3-9x^2+6x+2)$  lgdogf  
A090453 4.38011 [  $\{(-9-3^n)*a(n+1)+(-n^2-7n-18)*a(n+2)+(n^2+6n+9)*a(n+3), a(0) = 2, a(1) = 16, a(2) = 51\}$ , ogf]  
A090453 8.50849 [  $-(3x^3-9x^2+6x+2)/(x-1)^5$  ogf]  
A090454 10.6819  $-(-105+48x+12x^4-56x^3+66x^2)/(x-1)/(4x^4-18x^3+24x^2-15)$  lgdogf  
A090454 6.22541 [  $(4x^4-18x^3+24x^2-15)/(x-1)^7$  ogf]  
A090461 12.5234 [  $-(x^5+4x^4-5x^3+14x-15)/(x-1)^2$  ogf]  
A090461 13.0183  $(16-14x+3x^5-21x^3+3x^4+15x^2)/(x-1)/(x^5+4x^4-5x^3+14x-15)$  lgdogf  
A090470 21.7939  $-(-5+12x)/(4x-1)/(2x-1)$  lgdegf  
A090470 3.95873 [  $\{(8n^2+36n+40)*a(n+1)+(-6n-17)*a(n+2)+a(n+3), a(0) = 1, a(1) = 5, a(2) = 43\}$ , ogf]  
A090491 6.51797 [  $-(x^8-x^7+x^6+x^4+x^2-x+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A090492 16.8666 [  $-x^{19}+x^9+x^4+x^3+x^2+x$  ogf\_with\_Euler\_transform]  
A090492 6.77179 [  $(x^8-x^6+x^4-x^2+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A090529 12.9690  $(-1-2x-25x^{24}+2x^3+6x^7-7x^6+24x^{25}-2x^2)/(x-1)/(x^{25}+x^7+x^3+x^2+1)$  lgdogf  
A090529 15.0196 [  $-(x^{25}+x^7+x^3+x^2+1)/(x-1)$  ogf]  
A090561 6.25379 [  $-(831930x^5+15997x^4-559x^3+24x^2-6x+1)/(10x-1)$  ogf]  
A090567 9.43639 [  $-(5041x^5+61504x^4+961x^3+49x^2+64x+16)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A090568 12.9761  $(-2-4x+5x^2-18x^3-3x^4+12x^5)/(x-1)/(3x^5+4x^4-x^3+2x^2+x+1)$  lgdogf  
A090568 13.0351 [  $-(3x^5+4x^4-x^3+2x^2+x+1)/(x-1)$  ogf]  
A090570 12.7549 [  $x*(8x+1)/(x+1)/(x-1)^2$  ogf]  
A090570 19.8660  $-(9+11x+16x^2)/(x-1)/(8x+1)/(1+x)$  lgdogf  
A090570 6.54980 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 9\}$ , ogf]  
A090579 15.8152 [  $-3x^9-x^8+4$  ogf\_with\_Euler\_transform]  
A090580 25.0539 [  $-4x^9-x^8+5$  ogf\_with\_Euler\_transform]  
A090581 37.1017 [  $-5x^9-x^8+6$  ogf\_with\_Euler\_transform]  
A090590 13.8288 [  $-(8x-1)/(8x^2-2x+1)$  ogf]  
A090590 15.5148  $-1/16*(-1-2x+(1-28x-28x^2)^{1/2})/(1+x)$  revogf  
A090590 15.8932  $-2*(-3-8x+32x^2)/(-1+8x)/(8x^2-2x+1)$  lgdogf  
A090590 7.58899 [  $\{-a(n+2)+2a(n+1)-8a(n), a(0) = 1, a(1) = -6\}$ , ogf]  
A090591 18.9803 [  $1/(8x^2-2x+1)$  ogf]  
A090591 23.1759  $-2*(-1+8x)/(8x^2+1-2x)$  lgdogf  
A090591 6.71254 [  $\{a(n+2)-2a(n+1)+8a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A090596 11.6470 [  $-(x^4+x^3+2x^2-1)/(2x-1)/(x+1)/(2x^2-1)/(x^2+1)$  ogf]  
A090596 9.28927  $-(1+2x+36x^7-2x^4-2x^3+8x^9+14x^8+11x^6-18x^5-4x^2)/(2x-1)/(x+1)/(1+x^2)/(2x^2-1)/(x^4+x^3+2x^2-1)$  lgdogf  
A090597 6.03809 [  $-x*(3x^4+2x^3+x^2-1)/(2x-1)/(x+1)/(2x^2-1)/(x^2+1)$  ogf]  
A090598 15.4704  $-2*(-7+60x)/(10x-1)/(8x-1)$  lgdegf  
A090598 3.02103 [  $\{(80n^2+360n+400)*a(n+1)+(-18n-50)*a(n+2)+a(n+3), a(0) = 1, a(1) = 14, a(2) = 328\}$ , ogf]  
A090620 21.1544 [  $x^{13}/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A090620 8.45807  $-(1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+14x^{12})/(x-1)/(1+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x)$  lgdogf  
A090631 24.0536 [  $x^{17}+x^5+x+2$  ogf\_with\_Euler\_transform]  
A090667 5.10881 [  $(896x^6-1968x^5+1704x^4-757x^3+179x^2-21x+1)/(8x-1)/(4x-1)^2/(2x-1)^3$  ogf]  
A090671 13.7655  $(8-10x+891x^8-1683x^9+792x^{10})/(x-1)/(99x^{10}-99x^9+10x-9)$  lgdogf  
A090671 13.8169 [  $-(99x^{10}-99x^9+10x-9)/(x-1)^2$  ogf]

A090672 13.6716 [  $2x/(x-1)^4$  egf]  
A090672 6.52789 [  $\{(-n^2-6*n-8)*a(n+1)+(n+1)*a(n+2), a(0) = 0, a(1) = 2\}$ , ogf]  
A090672 89.4328  $-4/(x-1)$  lgdegf  
A090676 5.14712 [  $x^2*(x^{12}+x^{11}+2*x^9+x^8+2*x^7-x^6+x^5+x^4+3*x^3+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A090692 12.6412 [  $2*(x^2-9*x+15)/(x+1)/(x^2-3*x+1)$  ogf]  
A090692 13.0511  $-(-21-62*x+65*x^2-18*x^3+x^4)/(x+1)/(x^2-3*x+1)/(x^2-9*x+15)$  lgdogf  
A090692 6.86548 [  $\{-a(n+3)+2*a(n+2)+2*a(n+1)-a(n), a(0) = 30, a(1) = 42, a(2) = 146\}$ , ogf]  
A090701 10.1652 [  $(x^{17}-x^{16}-x^{11}+x^{10}-x^6+x^5+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A090727 13.2834 [  $-2*(8*x-1)/(x^2-16*x+1)$  ogf]  
A090727 17.5074  $-2*(4-x+4*x^2)/(8*x-1)/(x^2-16*x+1)$  lgdogf  
A090727 7.43238 [  $\{a(n+2)-16*a(n+1)+a(n), a(0) = 2, a(1) = 16\}$ , ogf]  
A090728 14.0829 [  $-2*(10*x-1)/(x^2-20*x+1)$  ogf]  
A090728 18.0648  $-2*(5-x+5*x^2)/(10*x-1)/(x^2-20*x+1)$  lgdogf  
A090728 7.87970 [  $\{a(n+2)-20*a(n+1)+a(n), a(0) = 2, a(1) = 20\}$ , ogf]  
A090729 10.9134 [  $-(21*x-2)/(x^2-21*x+1)$  ogf]  
A090729 13.2063  $-(21-4*x+21*x^2)/(21*x-2)/(x^2-21*x+1)$  lgdogf  
A090729 6.10630 [  $\{a(n+2)-21*a(n+1)+a(n), a(0) = 2, a(1) = 21\}$ , ogf]  
A090730 11.2083 [  $-2*(11*x-1)/(x^2-22*x+1)$  ogf]  
A090730 13.5711  $-(11-2*x+11*x^2)/(11*x-1)/(x^2-22*x+1)$  lgdogf  
A090730 6.27133 [  $\{a(n+2)-22*a(n+1)+a(n), a(0) = 2, a(1) = 22\}$ , ogf]  
A090731 11.2673 [  $-(23*x-2)/(x^2-23*x+1)$  ogf]  
A090731 13.6441  $-(23-4*x+23*x^2)/(23*x-2)/(x^2-23*x+1)$  lgdogf  
A090731 6.30435 [  $\{a(n+2)-23*a(n+1)+a(n), a(0) = 2, a(1) = 23\}$ , ogf]  
A090732 11.3853 [  $-2*(-1+12*x)/(x^2-24*x+1)$  ogf]  
A090732 14.5561  $-2*(6-x+6*x^2)/(12*x-1)/(x^2-24*x+1)$  lgdogf  
A090732 6.37036 [  $\{a(n+2)-24*a(n+1)+a(n), a(0) = 2, a(1) = 24\}$ , ogf]  
A090733 11.4443 [  $-(25*x-2)/(x^2-25*x+1)$  ogf]  
A090733 13.8630  $-(25-4*x+25*x^2)/(25*x-2)/(x^2-25*x+1)$  lgdogf  
A090733 6.40336 [  $\{a(n+2)-25*a(n+1)+a(n), a(0) = 2, a(1) = 25\}$ , ogf]  
A090749 6.46331 [  $\{(-4*n^2-58*n-210)*a(n+1)+(n^2+16*n+28)*a(n+2), a(0) = 1, a(1) = 12\}$ , ogf]  
A090757 4.49139 [  $1/(x-1)/(x^2+2*x-1)$  ogf]  
A090757 5.09751  $-(-3+2*x+3*x^2)/(-1+x)/(x^2+2*x-1)$  lgdogf  
A090763 10.3818 [hypergeom([4/3, 5/3],[3/2],27/4\*x) ogf]  
A090763 4.70423 [  $\{(27*n^2+135*n+168)*a(n+1)+(-4*n^2-18*n-20)*a(n+2), a(0) = 1, a(1) = 10\}$ , ogf]  
A090771 13.8524 [  $(x^2+8*x+1)/(x+1)/(x-1)^2$  ogf]  
A090771 18.8369  $-(9+13*x+x^3+17*x^2)/(x-1)/(x+1)/(x^2+8*x+1)$  lgdogf  
A090771 7.47785 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 9, a(2) = 11\}$ , ogf]  
A090772 13.8524 [  $2*(x^2+3*x+1)/(x+1)/(x-1)^2$  ogf]  
A090772 19.7339  $-(4+8*x+x^3+7*x^2)/(x-1)/(x+1)/(x^2+3*x+1)$  lgdogf  
A090772 7.47785 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 8, a(2) = 12\}$ , ogf]  
A090773 13.8524 [  $2*(2*x^2+x+2)/(x+1)/(x-1)^2$  ogf]  
A090773 18.4183  $-(3+11*x+2*x^3+4*x^2)/(x-1)/(x+1)/(2*x^2+x+2)$  lgdogf  
A090773 7.47785 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 6, a(2) = 14\}$ , ogf]  
A090809 24.8360  $-(10+2*x+3*x^2)/(x-1)/(x^2+2)$  lgdogf  
A090809 3.80899 [  $\{(-203*n^2-778*n-744)*a(n+1)+(76*n^2-1422*n-3765)*a(n+2)+(127*n^2+880*n+753)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A090809 9.20909 [  $-x^2*(x^2+2)/(x-1)^5$  ogf]  
A090816 10.4851 [hypergeom([2/3, 4/3],[1/2],27/4\*x) ogf]  
A090816 4.75104 [  $\{(-27*n^2-108*n-105)*a(n+1)+(4*n^2+14*n+12)*a(n+2), a(0) = 1, a(1) = 12\}$ , ogf]  
A090826 3.31257 [  $\{(4*n+10)*a(n+1)+(3*n+6)*a(n+2)+(-5*n-14)*a(n+3)+(n+4)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 5\}$ , ogf]



A090843 11.8075 [ (x+1)/(10\*x-1)/(x-1) ogf]  
A090843 11.8128 -1/2\*(-11\*x-1+(81\*x^2+26\*x+1)^(1/2))/(-1+10\*x) revogf  
A090843 13.9331 -2\*(-6+10\*x+5\*x^2)/(x-1)/(10\*x-1)/(x+1) lgdogf  
A090843 6.52884 [ {-a(n+2)+11\*a(n+1)-10\*a(n), a(0) = 1, a(1) = 12}, ogf]  
A090860 13.4648 1/4\*(-24-x+3^(1/2))\*((24+x)\*(8+3\*x))^(1/2)/(24+x) revogf  
A090860 14.3214 [ -24\*(2\*x+1)/(2\*x-1)/(x+1) ogf]  
A090860 18.3271 -(3+4\*x+4\*x^2)/(2\*x+1)/(2\*x-1)/(x+1) lgdogf  
A090860 8.01314 [ {a(n+2)-a(n+1)-2\*a(n), a(0) = 24, a(1) = 72}, ogf]  
A090932 13.5704 [ -2\*(x+1)/(x^2-2) egf]  
A090937 7.79075 [ -(x^2+1)\*(2\*x^8-2\*x^7-2\*x^6+2\*x^5-x^4+x^3+1)/(x+1)/(x-1)^3 ogf]  
A090948 6.42521 [ x\*(47\*x^4-240\*x^3+475\*x^2-436\*x+159)/(x-1)^6 ogf]  
A090948 9.50333 -2\*(259-615\*x+47\*x^4-266\*x^3+590\*x^2)/(x-1)/(47\*x^4-240\*x^3+475\*x^2-436\*x+159) lgdogf  
A090949 14.2858 -(-89+128\*x+12\*x^3-66\*x^2)/(x-1)/(6\*x^3-28\*x^2+46\*x-27) lgdogf  
A090949 4.00318 [ {(-176\*n^2-2236\*n-3768)\*a(n+1)+(337\*n^2+4333\*n+9514)\*a(n+2)+(-161\*n^2-2157\*n-3670)\*a(n+3), a(0) = 0, a(1) = 27, a(2) = 89}, ogf]  
A090949 8.47481 [ x\*(6\*x^3-28\*x^2+46\*x-27)/(x-1)^5 ogf]  
A090950 14.7555 -(-37+52\*x+4\*x^3-24\*x^2)/(x-1)/(2\*x^3-10\*x^2+18\*x-11) lgdogf  
A090950 4.10937 [ {(49\*n^2+383\*n+570)\*a(n+1)+(-122\*n^2-1006\*n-1920)\*a(n+2)+(73\*n^2+527\*n+762)\*a(n+3), a(0) = 0, a(1) = 11, a(2) = 37}, ogf]  
A090950 8.43733 [ x\*(2\*x^3-10\*x^2+18\*x-11)/(x-1)^5 ogf]  
A090957 2.89414 [ {(-3125\*n^4-21875\*n^3-56875\*n^2-65125\*n-27720)\*a(n+1)+(256\*n^4+1664\*n^3+4016\*n^2+4264\*n+1680)\*a(n+2), a(0) = 1, a(1) = 30}, ogf]  
A090964 10.5659 [ (2\*x^5-3\*x^4+3\*x^3-2\*x^2+3\*x+1)/(x+1)/(x^2+1)/(x-1)^2 ogf]  
A090964 9.57602 (-4+x^7+4\*x^5-5\*x^6+3\*x^3-20\*x^4-11\*x^2)/(x-1)/(x+1)/(x^2+1)/(2\*x^5-3\*x^4+3\*x^3-2\*x^2+3\*x+1) lgdogf  
A090965 12.9149 [ -(4\*x-1)/(4\*x^2-8\*x+1) ogf]  
A090965 14.5946 -4\*(1-2\*x+4\*x^2)/(-1+4\*x)/(4\*x^2-8\*x+1) lgdogf  
A090965 7.08746 [ {a(n+2)-8\*a(n+1)+4\*a(n), a(0) = 1, a(1) = 4}, ogf]  
A090989 11.4361 (3+2\*2^(1/2))\*(-ln(3+2\*2^(1/2))+ln(3+x+((x+4)\*(x+2))^(1/2)))/(4+3\*2^(1/2)) revegf  
A090989 13.4580 [ {a(n+2)-2\*a(n), a(0) = 4, a(1) = 6}, ogf]  
A090989 21.0077 [ -2\*(3\*x+2)/(2\*x^2-1) ogf]  
A090989 26.4459 -(3+8\*x+6\*x^2)/(3\*x+2)/(2\*x^2-1) lgdogf  
A090990 11.3631 [ -(3\*x^2-4\*x-5)/(x^3-2\*x^2-x+1) ogf]  
A090990 11.9173 -(9+14\*x+3\*x^4-8\*x^3-4\*x^2)/(3\*x^2-4\*x-5)/(x^3-2\*x^2-x+1) lgdogf  
A090990 6.13405 [ {-a(n+3)+a(n+2)+2\*a(n+1)-a(n), a(0) = 5, a(1) = 9, a(2) = 16}, ogf]  
A090991 17.3602 [ -2\*(2\*x+3)/(x^2+x-1) ogf]  
A090991 19.6634 1/2/(4+x)\*(-6-x+((5\*x+18)\*(x+2))^(1/2)) revogf  
A090991 23.9648 -(5+6\*x+2\*x^2)/(2\*x+3)/(x^2+x-1) lgdogf  
A090991 9.41213 [ {a(n+2)-a(n+1)-a(n), a(0) = 6, a(1) = 10}, ogf]  
A090992 8.56242 -(13+22\*x+4\*x^6+20\*x^5+14\*x^4-44\*x^3-26\*x^2)/(x-1)/(x^3+3\*x^2-1)/(4\*x^3+10\*x^2-6\*x-7) lgdogf  
A090992 9.50856 [ -(4\*x^3+10\*x^2-6\*x-7)/(x-1)/(x^3+3\*x^2-1) ogf]  
A090993 10.6105 [ {a(n+2)-3\*a(n), a(0) = 8, a(1) = 14}, ogf]  
A090993 16.4210 [ -2\*(7\*x+4)/(3\*x^2-1) ogf]  
A090993 19.3091 (-4+((8+3\*x)\*(x+2))^(1/2))/(14+3\*x) revogf  
A090993 19.8770 -(7+24\*x+21\*x^2)/(7\*x+4)/(3\*x^2-1) lgdogf  
A090994 6.12790 -(17+30\*x-64\*x^2+5\*x^8-12\*x^6-24\*x^7-112\*x^3+69\*x^4+118\*x^5)/(x^5-3\*x^4-3\*x^3+4\*x^2+x-1)/(5\*x^4-12\*x^3-21\*x^2+8\*x+9) lgdogf  
A090994 7.62707 [ -(5\*x^4-12\*x^3-21\*x^2+8\*x+9)/(x^5-3\*x^4-3\*x^3+4\*x^2+x-1) ogf]  
A090995 11.1328 [ -2\*(3\*x^2-4\*x-5)/(x^3-2\*x^2-x+1) ogf]  
A090995 11.8684 -(9+14\*x+3\*x^4-8\*x^3-4\*x^2)/(3\*x^2-4\*x-5)/(x^3-2\*x^2-x+1) lgdogf  
A090995 6.00202 [ {-a(n+3)+a(n+2)+2\*a(n+1)-a(n), a(0) = 10, a(1) = 18, a(2) = 32}, ogf]  
A091000 10.8706 [ -(2\*x^2+2\*x-1)/(x-1)/(3\*x-1)/(2\*x+1) ogf]  
A091000 10.9407 -6\*x\*(1+2\*x^3+4\*x^2-4\*x)/(x-1)/(3\*x-1)/(2\*x+1)/(2\*x^2+2\*x-1) lgdogf  
A091000 5.97395 [ {a(n+3)-2\*a(n+2)-5\*a(n+1)+6\*a(n), a(0) = 1, a(1) = 0, a(2) =

3}], ogf]  
A091001 11.5750 [  $-x*(2*x-1)/(x-1)/(3*x-1)/(2*x+1)$  ogf]  
A091001 12.8061  $-2*x*(5+12*x^2-14*x)/(x-1)/(-1+3*x)/(2*x+1)/(2*x-1)$  lgdogf  
A091001 5.99796 [  $\{-a(n+3)+2*a(n+2)+5*a(n+1)-6*a(n), a(0) = 0, a(1) = 1, a(2) = 0\}$ , ogf]  
A091002 18.7481 [  $x^2/(x-1)/(3*x-1)/(2*x+1)$  ogf]  
A091002 19.0467  $-2*(-1-5*x+9*x^2)/(2*x+1)/(-1+3*x)/(x-1)$  lgdogf  
A091002 6.98792 [  $\{a(n+3)-2*a(n+2)-5*a(n+1)+6*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A091003 13.5869 [  $(3*x^2-1)/(3*x+1)/(2*x-1)$  ogf]  
A091003 17.3856  $-(1-6*x+3*x^2)/(2*x-1)/(3*x+1)/(3*x^2-1)$  lgdogf  
A091003 6.52706 [  $\{a(n+3)+a(n+2)-6*a(n+1), a(0) = 1, a(1) = -1, a(2) = 4\}$ , ogf]  
A091004 14.2809 [  $x*(x-1)/(3*x+1)/(2*x-1)$  ogf]  
A091004 18.7970  $1/2/(-1+6*x)*(x-1+(1-6*x+25*x^2)^{1/2})$  revogf  
A091004 19.2917  $-2*(1-6*x+3*x^2)/(x-1)/(2*x-1)/(3*x+1)$  lgdogf  
A091004 6.92834 [  $\{a(n+3)+a(n+2)-6*a(n+1), a(0) = 0, a(1) = 1, a(2) = -2\}$ , ogf]  
A091005 18.9297 [  $-x^2/(3*x+1)/(2*x-1)$  ogf]  
A091005 28.3630  $-(-1+12*x)/(3*x+1)/(2*x-1)$  lgdogf  
A091005 7.00398 [  $\{-a(n+3)-a(n+2)+6*a(n+1), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A091024 11.8775 [  $x/(x+1)/(x^3-3*x+1)$  ogf]  
A091024 15.8876  $-(-2-6*x+3*x^2+4*x^3)/(x+1)/(x^3-3*x+1)$  lgdogf  
A091026 4.47293 [  $-(5*x^6-30*x^5+60*x^4-20*x^3-75*x^2+69*x+5)/(x-1)^9$  ogf]  
A091026 6.96544  $-3*(38+134*x+5*x^6-30*x^5+50*x^4+40*x^3-195*x^2)/(x-1)/(5*x^6-30*x^5+60*x^4-20*x^3-75*x^2+69*x+5)$  lgdogf  
A091027 3.39139 [  $\{(n^3+15*n^2+74*n+120)*a(n+1)+(-5*n^3-103*n^2-694*n-1536)*a(n+2)+(4*n^3+58*n^2+250*n+336)*a(n+3), a(0) = 63, a(1) = 910, a(2) = 6083\}$ , ogf]  
A091027 3.84590 [  $(6*x^7-45*x^6+120*x^5-80*x^4-225*x^3+462*x^2-217*x-63)/(x-1)^{11}$  ogf]  
A091027 5.95994  $-(-910-1246*x-183*x^6+450*x^5+3483*x^2-2120*x^3+40*x^4+24*x^7)/(x-1)/(6*x^7-45*x^6+120*x^5-80*x^4-225*x^3+462*x^2-217*x-63)$  lgdogf  
A091030 12.5370  $-1/26*(-1-14*x+(1+28*x+144*x^2)^{1/2})/x$  revogf  
A091030 14.6517 [  $1/(13*x-1)/(x-1)$  ogf]  
A091030 18.5733  $-2*(-7+13*x)/(13*x-1)/(x-1)$  lgdogf  
A091030 6.03307 [  $\{-a(n+2)+14*a(n+1)-13*a(n), a(0) = 1, a(1) = 14\}$ , ogf]  
A091032 4.01028 [  $\{(4*n^3+42*n^2+146*n+168)*a(n+1)+(-n-2)*a(n+2), a(0) = 1, a(1) = 60\}$ , ogf]  
A091035 3.39157 [  $\{(8*n^4+136*n^3+862*n^2+2414*n+2520)*a(n+1)+(-2*n^2-7*n-6)*a(n+2), a(0) = 1, a(1) = 840\}$ , ogf]  
A091037 10.3974 [  $1/(120*x-1)/(24*x-1)$  ogf]  
A091037 11.6715  $-144*(-1+40*x)/(120*x-1)/(24*x-1)$  lgdogf  
A091037 4.43934 [  $\{-a(n+2)+144*a(n+1)-2880*a(n), a(0) = 1, a(1) = 144\}$ , ogf]  
A091037 8.55913  $-1/5760*(-1-144*x+(1+288*x+9216*x^2)^{1/2})/x$  revogf  
A091038 10.8828 [  $1/(720*x-1)/(120*x-1)$  ogf]  
A091038 11.5232  $-120*(-7+1440*x)/(720*x-1)/(120*x-1)$  lgdogf  
A091038 4.71587 [  $\{-a(n+2)+840*a(n+1)-86400*a(n), a(0) = 1, a(1) = 840\}$ , ogf]  
A091038 8.29673  $-1/172800*(-1-840*x+(1+1680*x+360000*x^2)^{1/2})/x$  revogf  
A091045 13.6702  $-1/34*(-1-18*x+(1+36*x+256*x^2)^{1/2})/x$  revogf  
A091045 15.9469 [  $1/(17*x-1)/(x-1)$  ogf]  
A091045 20.2522  $-2*(-9+17*x)/(17*x-1)/(x-1)$  lgdogf  
A091045 6.56638 [  $\{-a(n+2)+18*a(n+1)-17*a(n), a(0) = 1, a(1) = 18\}$ , ogf]  
A091052 7.54308  $-2*(1+11*x+16*x^4+2*x^3-17*x^2+32*x^5)/(x-1)/(-1+4*x)/(2*x+1)/(2*x-1)/(4*x+1)/(x+1)$  lgdogf  
A091052 9.53415 [  $-(2*x-1)*(2*x+1)^2/(x-1)/(4*x-1)/(4*x+1)/(x+1)$  ogf]  
A091054 5.40932 [  $\{-a(n+3)+5*a(n+2)+8*a(n+1)-12*a(n), a(0) = 1, a(1) = 0, a(2) = 6\}$ , ogf]  
A091054 9.62211  $-6*x*(2-11*x+20*x^2+4*x^3)/(x-1)/(6*x-1)/(2*x+1)/(2*x^2+5*x-1)$  lgdogf  
A091054 9.77168 [  $-(2*x^2+5*x-1)/(x-1)/(6*x-1)/(2*x+1)$  ogf]  
A091055 10.4456 [  $-x*(2*x-1)/(x-1)/(6*x-1)/(2*x+1)$  ogf]  
A091055 11.0476  $-(3+16*x-52*x^2+48*x^3)/(x-1)/(6*x-1)/(2*x+1)/(-1+2*x)$  lgdogf  
A091055 5.40932 [  $\{a(n+3)-5*a(n+2)-8*a(n+1)+12*a(n), a(0) = 0, a(1) = 1, a(2) =$

3}, ogf]  
A091056 13.3945 [  $x^2/(x-1)/(6*x-1)/(2*x+1)$  ogf]  
A091056 14.2663  $-(-5-16*x+36*x^2)/(x-1)/(6*x-1)/(1+2*x)$  lgdogf  
A091056 5.06819 [  $\{a(n+3)-5*a(n+2)-8*a(n+1)+12*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A091074 14.9690 [  $-(55*x+12)/(x^2+x-1)$  ogf]  
A091074 16.4210  $1/2/(55+x)*(-12-x+(144+244*x+5*x^2)^{(1/2)})$  revogf  
A091074 18.6401  $-(67+24*x+55*x^2)/(55*x+12)/(x^2+x-1)$  lgdogf  
A091074 8.37554 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 12, a(1) = 67\}$ , ogf]  
A091084 12.6322  $-(1+6*x+3*x^4+4*x^3+5*x^6+6*x^5+15*x^2)/(x-1)/(x+1)/(x^2+1)/(5*x^3+3*x^2+x+1)$  lgdogf  
A091084 16.1744 [  $-x*(5*x^3+3*x^2+x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A091086 15.6883  $-2*(1+5*x+3*x^4+2*x^3+5*x^5)/(x-1)/(x+1)/(x^2+1)/(5*x^2+2*x+1)$  lgdogf  
A091086 16.3328 [  $-x*(5*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A091095 12.5876 [  $(24*x^2-4*x-1)/(4*x-1)/(4*x+1)$  ogf]  
A091095 14.1322  $4*(1-4*x+16*x^2)/(4*x+1)/(4*x-1)/(24*x^2-4*x-1)$  lgdogf  
A091095 7.55254 [  $\{-a(n+3)+16*a(n+1), a(0) = 1, a(1) = 4, a(2) = -8\}$ , ogf]  
A091096 13.0338 [  $(40*x^2-5*x-1)/(5*x-1)/(5*x+1)$  ogf]  
A091096 14.6100  $5*(1-6*x+25*x^2)/(5*x+1)/(5*x-1)/(40*x^2-5*x-1)$  lgdogf  
A091096 7.72935 [  $\{-a(n+3)+25*a(n+1), a(0) = 1, a(1) = 5, a(2) = -15\}$ , ogf]  
A091097 11.7602 [  $(60*x^2-6*x-1)/(6*x-1)/(6*x+1)$  ogf]  
A091097 13.1497  $6*(1-8*x+36*x^2)/(6*x-1)/(1+6*x)/(60*x^2-6*x-1)$  lgdogf  
A091097 6.97407 [  $\{-a(n+3)+36*a(n+1), a(0) = 1, a(1) = 6, a(2) = -24\}$ , ogf]  
A091103 13.3582 [  $-(12*x^2-3*x+1)/(3*x-1)/(3*x+1)$  ogf]  
A091103 14.8348  $3*(1-14*x+9*x^2)/(3*x-1)/(3*x+1)/(12*x^2-3*x+1)$  lgdogf  
A091103 7.85776 [  $\{a(n+3)-9*a(n+1), a(0) = 1, a(1) = -3, a(2) = 21\}$ , ogf]  
A091104 13.1484 [  $-(24*x^2-4*x+1)/(4*x-1)/(4*x+1)$  ogf]  
A091104 14.2039  $4*(1-20*x+16*x^2)/(-1+4*x)/(4*x+1)/(24*x^2-4*x+1)$  lgdogf  
A091104 7.79731 [  $\{a(n+3)-16*a(n+1), a(0) = 1, a(1) = -4, a(2) = 40\}$ , ogf]  
A091105 13.4642 [  $-(40*x^2-5*x+1)/(5*x-1)/(5*x+1)$  ogf]  
A091105 15.0770  $5*(25*x-1)*(x-1)/(5*x+1)/(5*x-1)/(40*x^2-5*x+1)$  lgdogf  
A091105 7.98456 [  $\{a(n+3)-25*a(n+1), a(0) = 1, a(1) = -5, a(2) = 65\}$ , ogf]  
A091135 15.9647  $-3*(5-14*x+10*x^2)/(x-1)/(2*x-1)/(3*x-2)$  lgdogf  
A091135 8.04469 [  $-(3*x-2)/(2*x-1)^3/(x-1)^3$  ogf]  
A091140 12.4548 [  $-(x^2-x-1)/(2*x^3-4*x^2-2*x+1)$  ogf]  
A091140 12.7066  $-(3+6*x+2*x^4-4*x^3)/(x^2-x-1)/(2*x^3-4*x^2-2*x+1)$  lgdogf  
A091140 6.78341 [  $\{a(n+3)-2*a(n+2)-4*a(n+1)+2*a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A091141 12.7825 [  $(x+1)^2/(2*x^3-4*x^2-2*x+1)$  ogf]  
A091141 13.9336  $-2*(-2-3*x+x^3+3*x^2)/(x+1)/(2*x^3-4*x^2-2*x+1)$  lgdogf  
A091141 6.90031 [  $\{a(n+3)-2*a(n+2)-4*a(n+1)+2*a(n), a(0) = 1, a(1) = 4, a(2) = 13\}$ , ogf]  
A091142 11.3452  $-2*(x+1)*(2*x^3-2*x^2+x+1)/(2*x^2-1)/(2*x^3-4*x^2-2*x+1)$  lgdogf  
A091142 13.3288 [  $-(2*x^2-1)/(2*x^3-4*x^2-2*x+1)$  ogf]  
A091142 6.78341 [  $\{a(n+3)-2*a(n+2)-4*a(n+1)+2*a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A091143 19.2286 [  $1/(4*x-1)/(8*x^2-1)$  ogf]  
A091143 6.40953 [  $\{a(n+3)-4*a(n+2)-8*a(n+1)+32*a(n), a(0) = 1, a(1) = 4, a(2) = 24\}$ , ogf]  
A091147 4.97289 [  $\{(15*n+30)*a(n+1)+(2*n+7)*a(n+2)+(-n-5)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 5\}$ , ogf]  
A091147 57.1421  $x/(1+x+4*x^2)$  revogf  
A091148 3.93999 [  $\{(19*n+38)*a(n+1)+(2*n+7)*a(n+2)+(-n-5)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 6\}$ , ogf]  
A091148 45.1028  $x/(1+x+5*x^2)$  revogf  
A091149 4.12564 [  $\{(23*n+46)*a(n+1)+(2*n+7)*a(n+2)+(-n-5)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 7\}$ , ogf]  
A091149 47.2735  $x/(1+x+6*x^2)$  revogf  
A091270 11.2180 [  $x*(2*x^2-x+2)/(2*x-1)/(x-1)$  ogf]  
A091270 15.3469  $-(-5+4*x+4*x^2)/(x-1)/(2*x-1)/(2*x^2-x+2)$  lgdogf

A091270 5.60900 [  $\{-a(n+4)+3a(n+3)-2a(n+2), a(0) = 0, a(1) = 2, a(2) = 5, a(3) = 13\}$ , ogf]  
A091281 11.2113 [  $-(8x^2+10x-1)/(15x-1)/(24x^2-1)$  ogf]  
A091281 6.32432 [  $\{a(n+3)-15a(n+2)-24a(n+1)+360a(n), a(0) = 1, a(1) = 5, a(2) = 91\}$ , ogf]  
A091307 12.2447 [  $-2*(10x^2-5x-3)/(2x-1)/(x-1)$  ogf]  
A091307 14.0424  $-2*(7-16x+10x^2)/(x-1)/(2x-1)/(10x^2-5x-3)$  lgdogf  
A091307 6.47558 [  $\{a(n+3)-3a(n+2)+2a(n+1), a(0) = 6, a(1) = 28, a(2) = 52\}$ , ogf]  
A091332 6.42035 [  $-(1402x^7+2424x^6-786x^5-2020x^4+7980x^3-3423x^2-4444x-1234)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A091337 16.6508 [  $-(x-1)*(x+1)/(x^4+1)$  ogf]  
A091337 20.2094 [  $x*(x^6-x^2-1)$  ogf\_with\_Euler\_transform]  
A091337 28.0431  $-2*x*(-1-2*x^2+x^4)/(x-1)/(x+1)/(1+x^4)$  lgdogf  
A091341 5.49299 [  $(59800x^7-38262x^6-62840x^5+38160x^4-54750x^3-11233x^2+67891x+12345)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A091344 11.4033 [  $-x*(x+1)/(x-1)/(3x-1)/(2x-1)$  ogf]  
A091344 13.0324  $-(7-22x+12x^2+7x^3)/(x-1)/(3x-1)/(2x-1)/(x+1)$  lgdogf  
A091344 5.90530 [  $\{a(n+3)-6a(n+2)+11a(n+1)-6a(n), a(0) = 0, a(1) = 1, a(2) = 7\}$ , ogf]  
A091347 7.83346  $-(-15+70x+25x^2-404x^3+360x^4)/(x-1)/(5x+1)/(4x-1)/(-1+3x)/(2x-1)$  lgdogf  
A091347 8.42197 [  $x*(5x+1)/(x-1)/(3x-1)/(2x-1)/(4x-1)$  ogf]  
A091348 5.56782 [  $x*(x+1)*(4x^2-15x-1)/(x-1)/(4x-1)/(3x-1)/(2x-1)/(5x-1)$  ogf]  
A091360 19.8291 [  $-(x^2-2x+2)/(-x^2+2x-1)$  ogf\_with\_Euler\_transform]  
A091361 17.1623 [  $(5x^3+1)/(x-1)^2$  ogf]  
A091361 24.2583  $(-2+5x^3-15x^2)/(-1+x)/(5x^3+1)$  lgdogf  
A091361 7.37679 [  $\{a(n+4)-2a(n+3)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 9\}$ , ogf]  
A091363 15.9874  $-2*(4+7x+x^2)/(x-1)/(x^2+4x+1)$  lgdegf  
A091363 9.15134 [  $x*(x^2+4x+1)/(x-1)^4$  egf]  
A091364 11.3808  $-2*(8+33x+18x^2+x^3)/(-1+x)/(x+1)/(x^2+10x+1)$  lgdegf  
A091364 5.96722 [  $-x*(x+1)*(x^2+10x+1)/(x-1)^5$  egf]  
A091374 6.37979 [  $-(x^26+x^19-x^16-x^14-x^12-x^10-x^8-x^6-x^4-x^2-x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^3+1)/(x^6-x^3+1)/(x-1)^2$  ogf]  
A091429 13.2255  $-2*(-13+216x)/(18x-1)/(16x-1)$  lgdegf  
A091429 2.77870 [  $\{(288n^2+1296n+1440)*a(n+1)+(-34n-94)*a(n+2)+a(n+3), a(0) = 1, a(1) = 26, a(2) = 1128\}$ , ogf]  
A091433 4.84902 [  $\{a(n+3)-12a(n+2)+47a(n+1)-60a(n), a(0) = 8, a(1) = 54, a(2) = 330\}$ , ogf]  
A091433 7.27534  $-3*(9-106x+453x^2-840x^3+580x^4)/(-1+4x)/(3x-1)/(5x-1)/(29x^2-21x+4)$  lgdogf  
A091433 8.66945 [  $-2*(29x^2-21x+4)/(4x-1)/(3x-1)/(5x-1)$  ogf]  
A091484 6.19528 [  $(6x^7-4x^6+17x^5-12x^4+3x^3-5x^2-1)/(x^2+x-1)/(x^4+3x^2+1)$  ogf]  
A091498 5.48733 [  $-(x^5-x-1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^6$  ogf]  
A091520 23.3057  $-2*(1+12x)/(4x-1)/(4x+1)$  lgdogf  
A091520 4.68588 [  $\{(n+3)*a(n+3)-2a(n+2)+(-40-16n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 14\}$ , ogf]  
A091527 4.10950 [  $\{(108n^2+432n+384)*a(n+1)+(-n^2-5n-6)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 30\}$ , ogf]  
A091535 6.18446 [  $\{(9n^2+45n+56)*a(n+1)-a(n+2), a(0) = 1, a(1) = 20\}$ , ogf]  
A091540 3.53552 [  $\{(-9n^2-66n-120)*a(n+1)+(6n+25)*a(n+2)-a(n+3), a(0) = 1, a(1) = 13, a(2) = 184\}$ , ogf]  
A091541 4.19174 [  $\{(18n^2-12n)*a(n)+(3n^2+n+2)*a(n+1)+(-n-2)*a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A091544 4.44799 [  $\{(16n^2+76n+90)*a(n+1)-a(n+2), a(0) = 1, a(1) = 30\}$ , ogf]

A091545 4.62875 [ {(25\*n^2+115\*n+132)\*a(n+1)-a(n+2), a(0) = 1, a(1) = 42}, ogf]  
A091546 4.87237 [ {(36\*n^2+162\*n+182)\*a(n+1)-a(n+2), a(0) = 1, a(1) = 56}, ogf]  
A091553 3.67995 [ {a(n+3)-504\*a(n+2)+54720\*a(n+1)-1036800\*a(n), a(0) = 1, a(1) = 704, a(2) = 300096}, ogf]  
A091553 6.13160 -64\*(11-1710\*x-122400\*x^2+6480000\*x^3)/(200\*x+1)/(24\*x-1)/(360\*x-1)/(120\*x-1) lgdogf  
A091553 7.19512 [ -(200\*x+1)/(24\*x-1)/(360\*x-1)/(120\*x-1) ogf]  
A091561 15.7089 1/2/x^2\*(-2\*x-1+(1+4\*x+4\*x^2+4\*x^3)^(1/2)) revogf  
A091561 3.38243 [ {(4\*n+10)\*a(n+1)+(-4\*n-16)\*a(n+2)+(4\*n+22)\*a(n+3)+(-n-7)\*a(n+4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9}, ogf]  
A091565 18.6968 1/4/x^2\*(-1-x+(1+2\*x+x^2+8\*x^3)^(1/2)) revogf  
A091565 3.67793 [ {(-8\*n-12)\*a(n+1)+(n+3)\*a(n+2)+(-2\*n-9)\*a(n+3)+(n+6)\*a(n+4), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 1}, ogf]  
A091571 5.58355 [ (9\*x^8-2\*x^7+9\*x^5-2\*x^4+9\*x^3-2\*x+9)/(x^2-x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2/(x+1)^2 ogf]  
A091572 7.06377 [ 2\*(4\*x^6+3\*x^5+3\*x^4+7\*x^3+3\*x^2+3\*x+4)/(x^2+1)/(x^2-x+1)/(x-1)^2/(x+1)^2 ogf]  
A091573 11.9639 [ (7\*x^2-2\*x+7)/(x-1)^2/(x^2+1) ogf]  
A091573 12.9452 -2\*(6-x-3\*x^3+7\*x^4+15\*x^2)/(x-1)/(1+x^2)/(7\*x^2-2\*x+7) lgdogf  
A091573 4.14829 [ {(-n-4)\*a(n+1)+(n+3)\*a(n+2)+(-n-4)\*a(n+3)+(n+3)\*a(n+4), a(0) = 7, a(1) = 12, a(2) = 17, a(3) = 24}, ogf]  
A091574 12.9628 [ (5\*x^2+8\*x+5)/(x-1)^2/(x+1)^2 ogf]  
A091574 14.4615 -2\*(4+15\*x+5\*x^3+12\*x^2)/(x-1)/(1+x)/(5+5\*x^2+8\*x) lgdogf  
A091574 6.31523 [ {(n+4)\*a(n+1)+(-n-2)\*a(n+3), a(0) = 5, a(1) = 8, a(2) = 15}, ogf]  
A091577 4.82884 [ 2\*(3\*x^6+5\*x^5+7\*x^4+9\*x^3+7\*x^2+5\*x+3)\*(x^4+1) ogf]  
A091577 6.98980 (5+14\*x+63\*x^6+60\*x^5+56\*x^7+50\*x^4+40\*x^3+30\*x^9+45\*x^8+27\*x^2)/(3\*x^6+5\*x^5+7\*x^4+9\*x^3+7\*x^2+5\*x+3)/(x^4+1) lgdogf  
A091593 17.0206 -((1+2\*x+9\*x^2)^(1/2)-1)/(1+2\*x+9\*x^2)^(1/2)/x lgdogf  
A091593 4.93494 [ {(9\*n+18)\*a(n+1)+(2\*n+7)\*a(n+2)+(n+5)\*a(n+3), a(0) = 1, a(1) = -1, a(2) = -1}, ogf]  
A091593 46.0559 -x/(1+x)/(-1+2\*x) revogf  
A091596 10.4605 [ -x\*(2\*x^2-1)/(2\*x-1)^2/(x+1)^2 ogf]  
A091596 16.3324 -2\*(-1-2\*x+4\*x^3)/(2\*x-1)/(x+1)/(2\*x^2-1) lgdogf  
A091596 3.79849 [ {(-2\*n-4)\*a(n+1)+(-n-5)\*a(n+2)+(n-2)\*a(n+3)+2\*a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 5}, ogf]  
A091628 10.9859 [ -(30\*x-23)/(10\*x-1)/(x-1) ogf]  
A091628 11.2123 -1/20\*(-23-11\*x+(529+386\*x+81\*x^2)^(1/2))/(x+3) revogf  
A091628 11.7106 -(223-460\*x+300\*x^2)/(x-1)/(30\*x-23)/(10\*x-1) lgdogf  
A091628 6.18747 [ {a(n+2)-11\*a(n+1)+10\*a(n), a(0) = 23, a(1) = 223}, ogf]  
A091629 13.2123 [ {a(n+1)-2\*a(n), a(0) = 6}, ogf]  
A091629 27.4817 [ -6/(2\*x-1) ogf]  
A091629 30.6108 -1/2\*ln(3)+1/2\*ln(x+3) revogf  
A091629 61.2216 -2/(-1+2\*x) lgdogf  
A091630 4.44884 [ {-a(n+3)+13\*a(n+2)-32\*a(n+1)+20\*a(n), a(0) = 29, a(1) = 235, a(2) = 2247}, ogf]  
A091630 6.34912 -(235-1616\*x+4724\*x^2-5680\*x^3+2400\*x^4)/(x-1)/(-1+2\*x)/(10\*x-1)/(120\*x^2-142\*x+29) lgdogf  
A091630 7.80159 [ -(120\*x^2-142\*x+29)/(x-1)/(2\*x-1)/(10\*x-1) ogf]  
A091650 10.1019 [ -(x^3+2\*x^2-x-1)/(x+1)/(x^3-3\*x+1) ogf]  
A091650 11.2408 -(3+2\*x+x^6+4\*x^5+2\*x^4-2\*x^3+x^2)/(x+1)/(x^3-3\*x+1)/(x^3+2\*x^2-x-1) lgdogf  
A091674 2.68006 [ {(365\*n^2-130670\*n-528520)\*a(n+1)+(-n^2+723\*n+2543)\*a(n+2)+(-n-3)\*a(n+3), a(0) = 1, a(1) = 1093, a(2) = 795341}, ogf]  
A091684 11.8459 [ x\*(x^4+2\*x^3+2\*x+1)/(x-1)^2/(x^2+x+1)^2 ogf]  
A091684 14.8135 -2\*(1+7\*x^3+x^6+3\*x^5+6\*x^2)/(x-1)/(x^2+x+1)/(x^4+2\*x^3+2\*x+1) lgdogf  
A091684 6.48705 [ {(n+4)\*a(n+1)+(-n-1)\*a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 0}, ogf]  
A091685 9.47736 -2\*x^3\*(10+21\*x^2+25\*x^6+15\*x^8+x^12)/(x-1)/(x+1)/(1+x^2)/(x^8-

$x^6+6x^4-x^2+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A091685 9.59352 [  $x*(x^2+1)*(x^8-x^6+6x^4-x^2+1)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2$  ogf]  
A091686 7.08317 [  $(100x^4-120x^3+42x^2-14x+1)/(10x-1)^2/(x-1)^2$  ogf]  
A091686 8.76228  $-2*(-4+55x-30x^2-440x^3+500x^4)/(x-1)/(10x-1)/(100x^4-120x^3+42x^2-14x+1)$  lgdogf  
A091691 10.0888  $-x*(-16+297x-1329x^2+1210x^3)/(x-1)/(10x-1)/(121x^3-133x^2+22x-1)$  lgdogf  
A091691 7.95335 [  $-(121x^3-133x^2+22x-1)/(10x-1)^2/(x-1)^2$  ogf]  
A091692 6.65134 [  $x*(80x^2-99x+10)/(10x-1)^2/(x-1)^2$  ogf]  
A091692 8.49046  $-(-121+1329x-2970x^2+1600x^3)/(x-1)/(10x-1)/(80x^2-99x+10)$  lgdogf  
A091693 5.97560 [  $-(110x^3-120x^2+20x-1)/(10x-1)^2/(x-1)^2$  ogf]  
A091693 6.84561  $-2*(1-10x-595x^3+550x^4+135x^2)/(x-1)/(-1+10x)/(110x^3-120x^2+20x-1)$  lgdogf  
A091695 17.2523  $-(-7+8x+6x^4-12x^3-4x^2)/(2x+1)/(-1+x)^4$  lgdegf  
A091699 12.9241  $-1/2*(-3+3x+(x^2+6x+1)^{1/2})/(1-3x+x^2)*x$  revogf  
A091699 9.08724  $1/2*(-10x^2-17x-3+3*(1+x)*(5x+1)^{1/2})/(x+2)/(5x+1)/(1+x)$  lgdogf  
A091701 9.17926 [  $-(x^2+x-1)/(x^4+2x^3-3x^2-4x+1)$  ogf]  
A091701 9.70042  $-(2x+1)*(x^4+2x^3-x^2-2x+3)/(x^2+x-1)/(x^4+2x^3-3x^2-4x+1)$  lgdogf  
A091702 9.05019 [  $-(x^2+x-1)/(x^4+2x^3-2x^2-3x+1)$  ogf]  
A091702 9.55605  $-(2x+1)*(x^4+2x^3-x^2-2x+2)/(x^2+x-1)/(x^4+2x^3-2x^2-3x+1)$  lgdogf  
A091703 8.41443 [  $x*(x^8+2x^7+3x^6+4x^5+4x^3+3x^2+2x+1)/(x-1)^2/(x^4+x^3+x^2+x+1)^2$  ogf]  
A091704 15.1430  $(1+4x+9x^8+11x^{10}+5x^4+3x^2)/(2x^2+2+x+x^5+x^3+x^{11}+x^9)$  lgdogf  
A091712 3.82132 [  $\{(4n^2-6n+2)*a(n+1)+(7n^2+19n+10)*a(n+2)+(-2n^2-10n-12)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 2\}$ , ogf]  
A091720 11.7855 [  $\{a(n+3)-a(n), a(0) = 8, a(1) = 34, a(2) = 17\}$ , ogf]  
A091720 14.3149  $-(34+34x+24x^2+68x^3+17x^4)/(x-1)/(x^2+x+1)/(17x^2+34x+8)$  lgdogf  
A091720 18.0248 [  $-(17x^2+34x+8)/(x-1)/(x^2+x+1)$  ogf]  
A091721 13.0993 [  $-(49x^4+21x^3+16x^2+27x+5)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A091721 7.70990  $-(27+32x+42x^7+49x^8+108x^5+48x^6+196x^3+25x^4+63x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(49x^4+21x^3+16x^2+27x+5)$  lgdogf  
A091722 14.3231 [  $-(23x^2+32x+4)/(x-1)/(x^2+1)$  ogf]  
A091722 14.5096  $-(36+38x+23x^4+64x^3-43x^2)/(x-1)/(x^2+1)/(23x^2+32x+4)$  lgdogf  
A091722 7.91539 [  $\{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 4, a(1) = 36, a(2) = 55\}$ , ogf]  
A091753 3.53015 [  $\{(9n^3+81n^2+236n+224)*a(n+1)+(-n-2)*a(n+2), a(0) = 1, a(1) = 60\}$ , ogf]  
A091761 11.1506  $-1/2*(-1-34x+(32x+1)^{1/2}*(36x+1)^{1/2})/x$  revogf  
A091761 15.3308 [  $x/(x^2-34x+1)$  ogf]  
A091761 22.3013  $-2*(-17+x)/(x^2+1-34x)$  lgdogf  
A091761 6.35667 [  $\{a(n+2)-34a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A091773 5.58399 [  $-(x^2-x+1)*(x^4+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^5$  ogf]  
A091774 4.07049 [  $(x^4-x^3+x^2-x+1)*(x^4+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^6$  ogf]  
A091775 7.36578 [  $-6*(384x^3-410x^2+91x-5)/(x-1)/(4x-1)/(9x-1)/(16x-1)$  ogf]  
A091814 3.34943 [  $\{(48n^2+216n+240)*a(n+1)+(-14n-39)*a(n+2)+a(n+3), a(0) = 1, a(1) = 11, a(2) = 203\}$ , ogf]  
A091823 13.2546 [  $(x^2-x-4)/(x-1)^3$  ogf]  
A091823 30.5050  $-(-13+x^2)/(x-1)/(x^2-x-4)$  lgdogf  
A091823 7.09239 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 4, a(1) = 13, a(2) = 26\}$ , ogf]  
A091848 5.96341 [  $-x^6*(x^{17}+x^{11}+x^6-x^4+x^3+1)/(x^2+1)/(x^4+1)/(x^2+x+1)/(x^2-$

$(x+1)/(x^4-x^2+1)/(x^8-x^4+1)/(x+1)^2/(x-1)^3$  ogf]  
A091870 14.8220  $-1/22*(-1-8*x+(1+16*x+20*x^2)^{(1/2)})/x$  revogf  
A091870 16.8344  $[x/(11*x^2-8*x+1)$  ogf]  
A091870 20.8606  $-2*(-4+11*x)/(11*x^2+1-8*x)$  lgdogf  
A091870 6.98012  $[{a(n+2)-8*a(n+1)+11*a(n), a(0) = 0, a(1) = 1},$  ogf]  
A091874 6.44157  $[(800*x^6-550*x^5-160*x^4-66*x^3-21*x^2-7*x+1)/(10*x-1)/(x-1)$  ogf]  
A091875 6.71457  $(3-46*x+4275*x^4+312*x^3+3480*x^5+89*x^2)/(10*x-1)/(87*x^5+157*x^4+47*x^3+23*x^2+7*x-1)$  lgdogf  
A091875 7.54620  $[5*(87*x^5+157*x^4+47*x^3+23*x^2+7*x-1)/(10*x-1)$  ogf]  
A091876 5.82817  $(19-56*x-3578*x^2+31984*x^3-52580*x^4+24400*x^5)/(x-1)/(10*x-1)/(1220*x^4-1232*x^3+32*x^2-47*x+6)$  lgdogf  
A091876 7.30519  $[(1220*x^4-1232*x^3+32*x^2-47*x+6)/(10*x-1)/(x-1)$  ogf]  
A091877 6.14773  $(7-68*x-497*x^2+6954*x^3-11580*x^4+5400*x^5)/(x-1)/(10*x-1)/(270*x^4-267*x^3-14*x^2-15*x+2)$  lgdogf  
A091877 7.41845  $[(270*x^4-267*x^3-14*x^2-15*x+2)/(10*x-1)/(x-1)$  ogf]  
A091881 10.8506  $-1/2*(-17*x-1+(225*x^2-10*x+1)^{(1/2)})/(11+16*x)$  revogf  
A091881 10.8606  $[-(11*x-1)/(16*x-1)/(x-1)$  ogf]  
A091881 12.1423  $-2*(3-16*x+88*x^2)/(x-1)/(11*x-1)/(16*x-1)$  lgdogf  
A091881 6.20608  $[{a(n+2)-17*a(n+1)+16*a(n), a(0) = 1, a(1) = 6},$  ogf]  
A091882 13.1490  $[(10*x-1)/(15*x-1)$  ogf]  
A091882 13.1968  $3/4*x+1/20-1/20*(225*x^2-10*x+1)^{(1/2)}$  revogf  
A091882 26.3936  $5/(15*x-1)/(10*x-1)$  lgdogf  
A091882 7.02481  $[{a(n+2)-15*a(n+1), a(0) = 1, a(1) = 5},$  ogf]  
A091883 12.1618  $1/10*(-1-5*x+(225*x^2-10*x+1)^{(1/2)})/(-1+10*x)$  revogf  
A091883 12.3538  $[(5*x-1)/(5*x+1)/(10*x-1)$  ogf]  
A091883 14.3447  $-50*x*(-2+5*x)/(5*x+1)/(5*x-1)/(10*x-1)$  lgdogf  
A091883 6.93021  $[{-a(n+2)+5*a(n+1)+50*a(n), a(0) = 1, a(1) = 0},$  ogf]  
A091903 14.7482  $1/100/x*(-1-5*x+(1+10*x+225*x^2)^{(1/2)})$  revogf  
A091903 15.3728  $[-x/(5*x+1)/(10*x-1)$  ogf]  
A091903 20.5421  $-5*(1+20*x)/(1+5*x)/(10*x-1)$  lgdogf  
A091903 7.12399  $[{-a(n+2)+5*a(n+1)+50*a(n), a(0) = 0, a(1) = 1},$  ogf]  
A091904 16.2642  $[-x/(4*x+1)/(8*x-1)$  ogf]  
A091904 16.4569  $1/64/x*(-1-4*x+(1+8*x+144*x^2)^{(1/2)})$  revogf  
A091904 22.5520  $-4*(1+16*x)/(4*x+1)/(8*x-1)$  lgdogf  
A091904 7.53705  $[{-a(n+2)+4*a(n+1)+32*a(n), a(0) = 0, a(1) = 1},$  ogf]  
A091905 12.6993  $[(4*x-1)/(4*x+1)/(8*x-1)$  ogf]  
A091905 13.3763  $1/8*(-1-4*x+(1-8*x+144*x^2)^{(1/2)})/(-1+8*x)$  revogf  
A091905 14.3795  $-64*(-1+2*x)*x/(4*x+1)/(-1+8*x)/(-1+4*x)$  lgdogf  
A091905 7.12399  $[{-a(n+2)+4*a(n+1)+32*a(n), a(0) = 1, a(1) = 0},$  ogf]  
A091914 17.3323  $1/24/x*(-2*x-1+(1+4*x+52*x^2)^{(1/2)})$  revogf  
A091914 18.7207  $[-1/(12*x^2+2*x-1)$  ogf]  
A091914 23.9986  $-2*(1+12*x)/(12*x^2-1+2*x)$  lgdogf  
A091914 7.66872  $[{-a(n+2)+2*a(n+1)+12*a(n), a(0) = 1, a(1) = 2},$  ogf]  
A091915 12.7448  $[-2*x*(x^4+2*x^2+x+1)/(3*x^3-1)$  ogf]  
A091915 12.9868  $(-1-4*x+3*x^6-6*x^4-10*x^3-9*x^2)/(3*x^3-1)/(x^4+2*x^2+x+1)$  lgdogf  
A091916 12.8867  $(-1-6*x-9*x^4-14*x^3+6*x^6-9*x^2)/(3*x^3-1)/(2*x^4+3*x^2+x+1)$  lgdogf  
A091916 14.0550  $[-(2*x^4+3*x^2+x+1)/(3*x^3-1)$  ogf]  
A091916 7.41793  $[{a(n+5)-3*a(n+2), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 3, a(4) = 5},$  ogf]  
A091919 13.6014  $[-1/(2*x-1)/(x-1)^2/(x+1)^2$  ogf]  
A091919 19.1084  $-2*(-1-2*x+5*x^2)/(x-1)/(2*x-1)/(x+1)$  lgdogf  
A091919 3.64078  $[{(-n-4)*a(n+4)+(8+2*n)*a(n+3)+(6+n)*a(n+2)+(-12-2*n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 12},$  ogf]  
A091927 12.7193  $[(6*x-1)/(5*x^2+6*x-1)$  ogf]  
A091927 13.0985  $1/2/(-6+5*x)*(-1-6*x+(1-12*x+56*x^2)^{(1/2)})$  revogf  
A091927 15.6455  $-10*x*(-1+3*x)/(6*x-1)/(5*x^2+6*x-1)$  lgdogf  
A091927 7.06630  $[{-a(n+2)+6*a(n+1)+5*a(n), a(0) = 1, a(1) = 0},$  ogf]  
A091928 12.5821  $[(x-1)/(5*x^2+6*x-1)$  ogf]

A091928 13.5173  $1/2/(5*x-1)*(-1-6*x+(1+8*x+56*x^2)^{(1/2)})$  revogf  
A091928 15.8346  $-5*(-1-2*x+x^2)/(x-1)/(5*x^2+6*x-1)$  lgdogf  
A091928 6.90479  $[{-a(n+2)+6*a(n+1)+5*a(n), a(0) = 1, a(1) = 5}, ogf]$   
A091929 13.3694  $[(6*x-1)/(11*x^2+6*x-1) ogf]$   
A091929 13.7695  $1/2/(-6+11*x)*(-1-6*x+(1-12*x+80*x^2)^{(1/2)})$  revogf  
A091929 16.8294  $-22*x*(3*x-1)/(6*x-1)/(11*x^2+6*x-1)$  lgdogf  
A091929 7.49991  $[{-a(n+2)+6*a(n+1)+11*a(n), a(0) = 1, a(1) = 0}, ogf]$   
A091940 21.4016  $-3*(x+1)*(7*x+3)/(x-1)/(7*x^2+4*x+1)$  lgdogf  
A091940 3.92566  $[{(n+3)*a(n+4)+(-3+3*n)*a(n+3)+(-27+3*n)*a(n+2)+(-21-7*n)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 18, a(3) = 84}, ogf]$   
A091940 9.30008  $[-2*x*(7*x^2+4*x+1)/(x-1)^5 ogf]$   
A091962 3.78291  $[{(2*n^3+27*n^2+121*n+180)*a(n+1)+(28*n^2+196*n+420)*a(n+2)+(-2*n^3-15*n^2-37*n-30)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 42}, ogf]$   
A091962 4.10658  $[-x*(x^6+31*x^5+187*x^4+330*x^3+187*x^2+31*x+1)/(x-1)^{11} ogf]$   
A091962 7.43180  $[-(42+684*x+192*x^2+55*x^3+3388*x^4+1464*x^5+2673*x^6)/(x-1)/(x^6+31*x^5+187*x^4+330*x^3+187*x^2+31*x+1) lgdogf]$   
A091971 6.95145  $-x^2*(-x^4+6*x^3+10*x^2+4*x+x^12+2*x^9+7*x^6+10*x^7+5*x^8-2*x^5+3)/(x-1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^4-x^2+1) lgdogf]$   
A091971 8.36894  $[-(x^4-x^3+x^2-x+1)*(x^4-x^2+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3 ogf]$   
A091972 11.6337  $-x^2*(4*x^4-3*x^3+7*x^2+x+2*x^6-2*x^5+3)/(x-1)/(x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+1) lgdogf]$   
A091972 21.3460  $[(1/x^6+1/x^7+1/x^5-1)*x^9 ogf\_with\_Euler\_transform]$   
A091972 9.53425  $[(x^4-x^3+x^2-x+1)/(x^2+1)/(x^2+x+1)/(x-1)^2 ogf]$   
A091973 4.69482  $[-(x^{10}-x^9+2*x^8+2*x^6+x^5+2*x^4+2*x^2-x+1)/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x-1)^3 ogf]$   
A091993 13.8176  $-4*(-7+135*x)/(20*x-1)/(18*x-1) lgdegf]$   
A091993 2.79367  $[{(360*n^2+1620*n+1800)*a(n+1)+(-38*n-104)*a(n+2)+a(n+3), a(0) = 1, a(1) = 28, a(2) = 1308}, ogf]$   
A091994 14.4492  $-(-29+540*x)/(20*x-1)/(18*x-1) lgdegf]$   
A091994 2.82634  $[{(360*n^2+1620*n+1800)*a(n+1)+(-38*n-105)*a(n+2)+a(n+3), a(0) = 1, a(1) = 29, a(2) = 1403}, ogf]$   
A091998 13.5693  $[(x^2+10*x+1)/(x+1)/(x-1)^2 ogf]$   
A091998 17.9391  $-(11+15*x+x^3+21*x^2)/(x-1)/(x+1)/(x^2+10*x+1) lgdogf]$   
A091998 7.37981  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 11, a(2) = 13}, ogf]$   
A091999 13.7918  $[2*(x^2+4*x+1)/(x+1)/(x-1)^2 ogf]$   
A091999 19.6475  $-(5+9*x+x^3+9*x^2)/(x-1)/(x+1)/(x^2+4*x+1) lgdogf]$   
A091999 7.37981  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 10, a(2) = 14}, ogf]$   
A092038 12.3226  $[-(x^4-x^3-1)/(x-1)^2/(x^2+1) ogf]$   
A092038 15.4796  $-(-2+2*x+x^5-3*x^4+5*x^3-7*x^2)/(x-1)/(x^2+1)/(x^4-x^3-1) lgdogf]$   
A092038 5.55278  $[{-a(n+5)+2*a(n+4)-2*a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 3, a(4) = 4}, ogf]$   
A092055 5.51163  $[{-a(n+3)+14*a(n+2)-56*a(n+1)+64*a(n), a(0) = 1, a(1) = 4, a(2) = 20}, ogf]$   
A092055 8.25225  $-4*(1-18*x-320*x^3+320*x^4+118*x^2)/(-1+4*x)/(2*x-1)/(8*x-1)/(20*x^2-10*x+1) lgdogf]$   
A092055 9.68711  $[-(20*x^2-10*x+1)/(8*x-1)/(2*x-1)/(4*x-1) ogf]$   
A092076 11.0748  $[-(x^6+4*x^3+1)/(x^2+x+1)^2/(x-1)^3 ogf]$   
A092076 11.9020  $-(1+x+x^8+x^6+22*x^5+4*x^4+4*x^3+x^7+19*x^2)/(x-1)/(x^2+x+1)/(x^6+4*x^3+1) lgdogf]$   
A092084 6.16438  $(-36*n-78)*a(n+1)+(12*n+31)*a(n+2)+(-n-3)*a(n+3), a(0)=8, a(1)=49, a(2)=595/2 lgdegf]$   
A092085 7.00444  $(-36*n-78)*a(n+1)+(12*n+31)*a(n+2)+(-n-3)*a(n+3), a(0)=6, a(1)=35, a(2)=413/2 lgdegf]$   
A092086 11.3167  $x*(1+4*x)*(19*x^2+8*x+1)*(43*x^2+8*x+1)/(7*x+1)^6 revogf]$   
A092087 11.5525  $x*(2*x+1)*(7*x^2+4*x+1)*(31*x^2+4*x+1)/(1+5*x)^6 revogf]$   
A092091 14.8140  $-2*(x^2+4*x+1)*(5*x^2-x+2)/(x-1)/(x+1)/(x^3+3*x^2-x+1) lgdogf]$   
A092091 5.12060  $[-(x^3+3*x^2-x+1)/(x+1)^4/(x-1)^9 ogf]$



A092092 14.2643 [  $(x^3+x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A092092 19.0562  $-(1+9x^2+5x^3+3x^5)/(x-1)/(x^2+x+1)/(x^3+x+1)$  lgdogf  
A092093 10.4502 [  $(2x^6+x^5+3x^3+x^2+2x+1)/(x-1)^2/(x^4+x^3+x^2+x+1)^2$  ogf]  
A092093 8.58161  $-(2+2x+9x^2+15x^4+30x^5+8x^6+21x^7+5x^9+8x^{10})/(x-1)/(x^4+x^3+x^2+x+1)/(2x^6+x^5+3x^3+x^2+2x+1)$  lgdogf  
A092094 7.57906 [  $-(6x^6-3x^5-2x^4-13x^3+6x^2+5x+7)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A092094 8.79291  $-3*(4+8x-x^6-7x^5+5x^3+2x^8+7x^2)/(x-1)/(6x^6-3x^5-2x^4-13x^3+6x^2+5x+7)/(x^2+x+1)$  lgdogf  
A092096 6.34494 [  $-(10x^{10}-5x^9-3x^7-x^6-21x^5+10x^4+8x^2+x+11)/(x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]  
A092130 13.4887 [  $-(-x^7+x^6+x^3)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A092135 7.18588 [  $-216x*(8x-5)/(12x^2-118x+1)/(-1+18x)^2$  ogf]  
A092145 4.08592 [  $\{(80n^2+360n+400)*a(n+1)+(-18n-49)*a(n+2)+a(n+3), a(0) = 1, a(1) = 13, a(2) = 283\}$ , ogf]  
A092164 12.4489 [  $-(6x+1)/(x+1)/(6x-1)$  ogf]  
A092164 13.3712  $1/12*(-1-5x+(1+34x+49x^2)^{(1/2)})/(1+x)$  revogf  
A092164 14.0569  $-(11+12x+36x^2)/(6x-1)/(6x+1)/(1+x)$  lgdogf  
A092164 6.74942 [  $\{a(n+2)-5a(n+1)-6a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
A092165 14.8167  $1/12/x*(-2-5x+(4+20x+49x^2)^{(1/2)})$  revogf  
A092165 22.8986 [  $-2/(x+1)/(6x-1)$  ogf]  
A092165 23.8356  $-(5+12x)/(1+x)/(6x-1)$  lgdogf  
A092165 9.10425 [  $\{-a(n+2)+5a(n+1)+6a(n), a(0) = 2, a(1) = 10\}$ , ogf]  
A092166 14.8998  $1/12/x*(-5-5x+(25+50x+49x^2)^{(1/2)})$  revogf  
A092166 17.5205 [  $-5/(x+1)/(6x-1)$  ogf]  
A092166 24.6171  $-(5+12x)/(x+1)/(6x-1)$  lgdogf  
A092166 6.96598 [  $\{-a(n+2)+5a(n+1)+6a(n), a(0) = 5, a(1) = 25\}$ , ogf]  
A092167 12.8484 [  $-2*(3x+2)/(x+1)/(6x-1)$  ogf]  
A092167 13.4808  $1/12*(-5x-4+(49x^2+64x+16)^{(1/2)})/(1+x)$  revogf  
A092167 14.5178  $-(13+24x+18x^2)/(6x-1)/(3x+2)/(x+1)$  lgdogf  
A092167 6.96598 [  $\{a(n+2)-5a(n+1)-6a(n), a(0) = 4, a(1) = 26\}$ , ogf]  
A092170 3.20364 [  $\{(-n^2-8n-16)*a(n+1)+(-n^2-8n-15)*a(n+2)+a(n+3), a(0) = 1, a(1) = 3, a(2) = 33\}$ , ogf]  
A092181 13.8630  $-6*(x+1)*(3x^2+23x+4)/(x-1)/(9x^3+43x^2+19x+1)$  lgdogf  
A092181 3.69679 [  $\{(-791n^2-4736n-7089)*a(n+1)+(760n^2+1352n+1080)*a(n+2)+(31n^2+96n+9)*a(n+3), a(0) = 1, a(1) = 24, a(2) = 153\}$ , ogf]  
A092181 8.09971 [  $-(9x^3+43x^2+19x+1)/(x-1)^5$  ogf]  
A092182 11.2059  $-2*(60+587x+107x^3+696x^2)/(x-1)/(107x^3+357x^2+115x+1)$  lgdogf  
A092182 7.49496 [  $-(107x^3+357x^2+115x+1)/(x-1)^5$  ogf]  
A092183 6.89747 [  $-(543x^3+1993x^2+595x+1)/(x-1)^5$  ogf]  
A092183 9.77430  $-6*(100+1061x+181x^3+1268x^2)/(x-1)/(543x^3+1993x^2+595x+1)$  lgdogf  
A092184 13.5303 [  $-x*(x+1)/(x-1)/(x^2-4x+1)$  ogf]  
A092184 18.1271  $-2*(3-5x+x^3-x^2)/(x-1)/(x+1)/(x^2-4x+1)$  lgdogf  
A092184 6.94799 [  $\{a(n+3)-5a(n+2)+5a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A092185 11.4382 [  $x*(x^2-2x+6)/(x-1)^4$  ogf]  
A092185 24.9607  $-2*(11-2x+x^2)/(x-1)/(x^2-2x+6)$  lgdogf  
A092185 4.19591 [  $\{(18+6n)*a(n+4)+(-38-8n)*a(n+3)+(7+3n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 6, a(2) = 22, a(3) = 53\}$ , ogf]  
A092200 16.9453 [  $(2x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A092200 20.9760  $-3*(x+1)*(2x^2+1)/(x-1)/(2x+1)/(x^2+x+1)$  lgdogf  
A092200 5.41025 [  $\{(3n+13)*a(n+1)+3a(n+2)+3a(n+3)+(-3n-10)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 3, a(3) = 4\}$ , ogf]  
A092202 10.7399 [  $x*(x+1)/(x^4+x^3+x^2+x+1)$  ogf]  
A092202 23.2698  $-x*(2+3x^3+6x^2+4x)/(x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A092202 27.8663 [  $[x^4-x]$  ogf\_with\_Euler\_transform]  
A092220 16.2928 [  $-x*(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A092220 25.2231 [  $x^5-x^2-1$  ogf\_with\_Euler\_transform]  
A092220 25.8053  $-(-1+2x^3-3x^2)/(x-1)/(x+1)/(x^2-x+1)$  lgdogf

A092220 9.77567 [  $\{-a(n+3)-a(n), a(0) = 0, a(1) = 1, a(2) = -1\}$ , ogf]  
A092221 10.7248 [  $(7*x^4+36*x^3+59*x^2+51*x+22)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A092221 8.43754  $-(51+118*x+14*x^6+108*x^5+236*x^4+283*x^3+240*x^2)/(x-1)/(x^2+x+1)/(7*x^4+36*x^3+59*x^2+51*x+22)$  lgdogf  
A092222 10.7232 [  $(4*x^4+37*x^3+67*x^2+62*x+29)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A092222 8.52586  $-(62+134*x+111*x^5+8*x^6+326*x^3+268*x^4+285*x^2)/(x-1)/(x^2+x+1)/(4*x^4+37*x^3+67*x^2+62*x+29)$  lgdogf  
A092223 10.3885 [  $(16*x^4+66*x^3+101*x^2+84*x+34)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A092223 8.13343  $-2*(42+101*x+16*x^6+99*x^5+202*x^4+242*x^3+201*x^2)/(x-1)/(x^2+x+1)/(16*x^4+66*x^3+101*x^2+84*x+34)$  lgdogf  
A092226 10.3228 [  $(9*x^4+83*x^3+149*x^2+139*x+65)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A092226 8.08268  $-(139+298*x+596*x^4+731*x^3+18*x^6+249*x^5+639*x^2)/(x-1)/(x^2+x+1)/(9*x^4+83*x^3+149*x^2+139*x+65)$  lgdogf  
A092227 6.94041 [  $(23*x^8+47*x^7+101*x^6+125*x^5+157*x^4+133*x^3+109*x^2+55*x+31)/(x-1)^2/(x^4+x^3+x^2+x+1)^2$  ogf]  
A092228 10.0571 [  $(74*x^4+190*x^3+233*x^2+158*x+42)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A092228 7.83724  $-2*(79+233*x+74*x^6+285*x^5+466*x^4+543*x^3+411*x^2)/(x-1)/(x^2+x+1)/(74*x^4+190*x^3+233*x^2+158*x+42)$  lgdogf  
A092229 7.60512  $-2*(105+257*x+507*x^2+617*x^3+514*x^4+261*x^5+46*x^6)/(x-1)/(x^2+x+1)/(46*x^4+174*x^3+257*x^2+210*x+82)$  lgdogf  
A092229 9.85758 [  $(46*x^4+174*x^3+257*x^2+210*x+82)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A092236 12.3287 [  $-(2*x-1)^2/(3*x-1)/(3*x^2-3*x+1)$  ogf]  
A092236 13.9057  $-(-2+12*x+18*x^3-27*x^2)/(3*x-1)/(2*x-1)/(3*x^2-3*x+1)$  lgdogf  
A092236 6.76440 [  $\{a(n+3)-6*a(n+2)+12*a(n+1)-9*a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A092242 13.7918 [  $(5*x^2+2*x+5)/(x+1)/(x-1)^2$  ogf]  
A092242 17.5574  $-(7+27*x+5*x^3+9*x^2)/(x-1)/(x+1)/(5*x^2+2*x+5)$  lgdogf  
A092242 7.44512 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 7, a(2) = 17\}$ , ogf]  
A092259 13.7918 [  $4*(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A092259 20.6299  $-(2+6*x+x^3+3*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A092259 33.5013 [-x^2+x+2 ogf\_with\_Euler\_transform]  
A092259 7.44512 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 8, a(2) = 16\}$ , ogf]  
A092263 10.5948 [  $(x^2+x+1)/(x-1)/(x^2+1)/(x^2+x-1)$  ogf]  
A092263 11.3763  $-(-3+3*x^6+4*x^5+4*x^4-2*x^3)/(x-1)/(x^2+x+1)/(x^2+x-1)/(x^2+1)$  lgdogf  
A092264 4.68580 [ -  $(3*x^{11}+5*x^{10}+9*x^9+17*x^8-19*x^7-23*x^6-25*x^5-27*x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+5*x^2-1)/(x^4-5*x^2-1)$  ogf]  
A092270 11.6150 [  $-(18*x^3+4*x^2-2*x-1)/(3*x-1)/(2*x+1)/(2*x-1)/(3*x+1)$  ogf]  
A092270 7.83921  $-2*(1+9*x+324*x^6+144*x^5+9*x^4-72*x^3-14*x^2)/(3*x-1)/(2*x+1)/(2*x-1)/(3*x+1)/(18*x^3+4*x^2-2*x-1)$  lgdogf  
A092277 14.4252 [  $-2*x*(3*x+4)/(x-1)^3$  ogf]  
A092277 33.7841  $-3*(2*x+5)/(3*x+4)/(x-1)$  lgdogf  
A092277 7.34142 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 30\}$ , ogf]  
A092278 12.9414 [  $x^4*(x^{11}+x^6+1)/(x+1)/(x^2+1)/(x^8+1)/(x^4+1)/(x-1)^2$  ogf]  
A092279 8.54441 [  $-(4*x^{16}-x^{14}-x^{12}-x^{10}-x^7-x^5-x^3-5)/(x+1)/(x^2+1)/(x^8+1)/(x^4+1)/(x-1)^2$  ogf]  
A092286 10.2531 [  $x*(3*x^2-8*x+6)/(x-1)^4$  ogf]  
A092286 20.4776  $-2*(8-9*x+3*x^2)/(x-1)/(3*x^2-8*x+6)$  lgdogf  
A092295 13.1284 [  $-(-x^4+x^3+x^2-x+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A092297 16.4161  $1/4*(-6-x+(12+4*x+3*x^2)^{(1/2)}*3^{(1/2)})/x$  revogf  
A092297 18.4693 [  $-6*x/(2*x-1)/(x+1)$  ogf]  
A092297 30.5937  $-(4*x+1)/(x+1)/(2*x-1)$  lgdogf  
A092297 8.43659 [  $\{-a(n+2)+a(n+1)+2*a(n), a(0) = 0, a(1) = 6\}$ , ogf]  
A092327 14.6542  $-(-61+92*x+10*x^3-51*x^2)/(x-1)/(5*x^3-22*x^2+34*x-19)$  lgdogf  
A092327 4.03176 [  $\{(-167*n^2-1805*n-2942)*a(n+1)+(422*n^2+4480*n+9060)*a(n+2)+(-255*n^2-2323*n-3626)*a(n+3), a(0) = 0, a(1) = 19, a(2) = 61\}$ , ogf]  
A092327 8.53532 [  $x*(5*x^3-22*x^2+34*x-19)/(x-1)^5$  ogf]

A092352 13.8225  $-(2+2*x+15*x^5+6*x^4+6*x^3+17*x^2)/(x-1)/(3*x^3+1)/(x^2+x+1)$  lgdogf  
A092352 8.71130  $[(3*x^3+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A092353 13.0695  $-(2+2*x+11*x^2+2*x^3+2*x^4+5*x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A092353 29.6921  $[-x^5+3*x^2+2$  ogf\_with\_Euler\_transform]  
A092353 8.92085  $[(x+1)*(x^2-x+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A092364 23.0689  $-3*(x+9)*(x+1)/(x-1)/(x^2+7*x+4)$  lgdogf  
A092364 3.74478  $[{(12+4*n)*a(n+4)+(-21+3*n)*a(n+3)+(-36-6*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 27, a(3) = 96}$ , ogf]  
A092364 9.02357  $[-x*(x^2+7*x+4)/(x-1)^5$  ogf]  
A092365 16.1258  $-4*(2+6*x+6*x^2+x^3)/(x-1)/(2*x^3+6*x^2+3*x+1)$  lgdogf  
A092365 4.24788  $[{(2*n^2+12*n+18)*a(n+1)+(-n^2+6*n+24)*a(n+2)+(-n^2-6*n-9)*a(n+3), a(0) = 1, a(1) = 8, a(2) = 36}$ , ogf]  
A092365 8.69107  $[-(2*x^3+6*x^2+3*x+1)/(x-1)^5$  ogf]  
A092385 8.05969  $2*(5-3*x+630*x^6-1170*x^7+540*x^8+3*x^4-7*x^3+3*x^2)/(x-1)/(180*x^8-180*x^7+3*x^4-2*x^3+6*x^2-6*x-2)$  lgdogf  
A092385 9.23427  $[-(180*x^8-180*x^7+3*x^4-2*x^3+6*x^2-6*x-2)/(x-1)^2$  ogf]  
A092387 10.5254  $-(9-32*x+4*x^4-22*x^3+43*x^2)/(x-1)/(x^2-3*x+1)/(4*x^2-11*x+5)$  lgdogf  
A092387 10.7381  $[-(4*x^2-11*x+5)/(x-1)/(x^2-3*x+1)$  ogf]  
A092387 5.89168  $[{-a(n+3)+4*a(n+2)-4*a(n+1)+a(n), a(0) = 5, a(1) = 9, a(2) = 20}$ , ogf]  
A092396 3.33735  $[{(-n^3-8*n^2-21*n-18)*a(n+1)+(n^3+12*n^2+48*n+64)*a(n+2)+(-2-n)*a(n+3)+(n+4)*a(n+4), a(0) = 1, a(1) = -1, a(2) = -4, a(3) = 9}$ , ogf]  
A092414 3.82440  $[8*x^2*(1440*x^2+24*x-1)/(50*x-1)/(48*x-1)/(64*x-1)/(60*x-1)/(54*x-1)$  ogf]  
A092420 14.7222  $[-1/(x-1)/(x^2-9*x+1)$  ogf]  
A092420 16.5408  $-(10-20*x+3*x^2)/(x-1)/(x^2-9*x+1)$  lgdogf  
A092420 4.94971  $[{a(n+3)-10*a(n+2)+10*a(n+1)-a(n), a(0) = 1, a(1) = 10, a(2) = 90}$ , ogf]  
A092431 13.1096  $-(9+56*x+80*x^3-118*x^2)/(x-1)/(4*x-1)/(2*x-1)/(5*x-2)$  lgdogf  
A092431 13.5908  $[(5*x-2)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A092431 6.43776  $[{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 2, a(1) = 9, a(2) = 35}$ , ogf]  
A092438 8.14525  $-(3-4*x+44*x^3+36*x^5-51*x^4-20*x^2)/(x-1)/(3*x-1)/(2*x-1)/(x+1)/(3*x^2-2*x+1)$  lgdogf  
A092438 8.83704  $[-2*x*(3*x^2-2*x+1)/(x-1)/(3*x-1)/(2*x-1)/(x+1)$  ogf]  
A092439 4.95606  $[2*x^2*(6*x^4-26*x^3+25*x^2-12*x+3)/(x+1)/(3*x-1)/(2*x-1)^2/(x-1)^3$  ogf]  
A092439 5.46925  $-(15-70*x+76*x^3-594*x^6+726*x^5-389*x^4+108*x^7+80*x^2)/(x-1)/(3*x-1)/(2*x-1)/(x+1)/(6*x^4-26*x^3+25*x^2-12*x+3)$  lgdogf  
A092440 5.39084  $[{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 1, a(1) = 5, a(2) = 25}$ , ogf]  
A092440 9.12143  $-(5-20*x-32*x^3+32*x^4+24*x^2)/(x-1)/(2*x-1)/(4*x-1)/(4*x^2-2*x+1)$  lgdogf  
A092440 9.91219  $[-(4*x^2-2*x+1)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A092441 5.90664  $[-(8*x^4-2*x^2+x-1)/(4*x-1)/(2*x-1)^2/(x-1)^3$  ogf]  
A092441 6.63871  $-2*(-5+25*x+58*x^3+64*x^6+24*x^5-100*x^4-39*x^2)/(x-1)/(2*x-1)/(4*x-1)/(8*x^4-2*x^2+x-1)$  lgdogf  
A092442 10.4226  $-(5-12*x-10*x^3+16*x^4+7*x^2)/(2*x-1)/(x-1)/(4*x^3-3*x^2+2*x-1)$  lgdogf  
A092442 7.24701  $[x*(4*x^3-3*x^2+2*x-1)/(2*x-1)^2/(x-1)^3$  ogf]  
A092443 3.22766  $[{(-8*n^2-36*n-40)*a(n+1)+(6*n^2+38*n+60)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 3, a(1) = 12, a(2) = 50}$ , ogf]  
A092444 4.88157  $[{-a(n+3)+12*a(n+2)-12*a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 7}$ , ogf]  
A092444 8.64637  $-(1-10*x-22*x^3+7*x^4+51*x^2)/(x-1)/(7*x^2-11*x+1)/(x^2-11*x+1)$  lgdogf  
A092444 8.69530  $[-(7*x^2-11*x+1)/(x-1)/(x^2-11*x+1)$  ogf]  
A092451 16.1180  $2*(-2-10*x^19+9*x^20+5*x^9-4*x^10)/(x-1)/(x^20-x^10+2)$  lgdogf

A092464 13.8578 [  $(4x^2+5x+4)/(x+1)/(x-1)^2$  ogf]  
A092464 17.2755  $-(9+25x+4x^3+14x^2)/(x-1)/(x+1)/(4x^2+5x+4)$  lgdogf  
A092464 7.48074 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 9, a(2) = 17\}$ , ogf]  
A092467 10.8478  $-(3+10x+16x^3-24x^2)/(2x-1)/(8x^3-12x^2+7x-1)$  lgdogf  
A092467 5.15174 [  $\{a(n+3)-7a(n+2)+12a(n+1)-8a(n), a(0) = 1, a(1) = 3, a(2) = 13\}$ , ogf]  
A092467 9.47255 [  $-(2x-1)^2/(8x^3-12x^2+7x-1)$  ogf]  
A092474 3.18982 [  $-(126x^8+30x^6+4x^2+3)/(x-1)$  ogf]  
A092476 11.5610  $-(3+15x+16x^3+4x^5+16x^4+24x^2)/(x-1)/(x^2+x+1)/(4x^3+6x^2+2x+1)$  lgdogf  
A092476 12.2990 [  $(4x^3+6x^2+2x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A092476 5.14322 [  $\{(n+3)a(n+1)+a(n+2)+a(n+3)+(-n-2)a(n+4), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 14\}$ , ogf]  
A092486 13.0160 [  $(3x^2-4x+3)/(x-1)^2/(x^2+1)$  ogf]  
A092486 15.7320  $-2*(1-2x-6x^3+3x^4+8x^2)/(x-1)/(x^2+1)/(3x^2-4x+3)$  lgdogf  
A092486 4.58215 [  $\{(n+4)a(n+1)+(-n-3)a(n+2)+(n+4)a(n+3)+(-n-3)a(n+4), a(0) = 3, a(1) = 2, a(2) = 1, a(3) = 4\}$ , ogf]  
A092489 5.26308  $-(4+20x-x^8-12x^7+44x^3+9x^6-8x^5-20x^4+2x^9-40x^2)/(x^4+x^3-x^2+2x-1)/(x^6-4x^5-4x^4+9x^3-11x^2+6x-1)$  lgdogf  
A092489 5.65725 [  $x^2*(x^4+x^3-x^2+2x-1)/(x^6-4x^5-4x^4+9x^3-11x^2+6x-1)$  ogf]  
A092490 6.03724  $-(5-20x+3x^8-4x^7-46x^3-21x^6+14x^5+12x^4+35x^2)/(x^3+x^2-x+1)/(x^6-4x^5-4x^4+9x^3-11x^2+6x-1)$  lgdogf  
A092490 6.36549 [  $-x^3*(x^3+x^2-x+1)/(x^6-4x^5-4x^4+9x^3-11x^2+6x-1)$  ogf]  
A092491 10.0976 [  $-x^4/(x^6-4x^5-4x^4+9x^3-11x^2+6x-1)$  ogf]  
A092491 9.12932  $-(6-22x-16x^3+6x^5-20x^4+27x^2)/(x^6-4x^5-4x^4+9x^3-11x^2+6x-1)$  lgdogf  
A092492 7.75262 [  $x^5*(x-1)/(x^6-4x^5-4x^4+9x^3-11x^2+6x-1)$  ogf]  
A092492 7.79178  $-(5+22x+34x^3+5x^6-22x^5+8x^4-38x^2)/(x-1)/(x^6-4x^5-4x^4+9x^3-11x^2+6x-1)$  lgdogf  
A092493 7.26502 [  $-(x^4+x^3-x^2+2x-1)/(x^5-x^4-3x^3+4x^2-4x+1)$  ogf]  
A092493 7.44341  $-(2-6x+x^8+2x^7-4x^3-x^6+2x^5+10x^2)/(x^4+x^3-x^2+2x-1)/(x^5-x^4-3x^3+4x^2-4x+1)$  lgdogf  
A092498 14.1581  $-(4+10x+11x^3+8x^4+15x^2)/(x-1)/(x^2+x+1)/(2x^2+x+1)$  lgdogf  
A092498 9.67340 [  $(2x^2+x+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A092499 11.2712  $-1/2*(-21x-1+(19x+1)^{1/2}*(23x+1)^{1/2})/x$  revogf  
A092499 15.4993 [  $x/(x^2-21x+1)$  ogf]  
A092499 22.5425  $-(-21+2x)/(x^2+1-21x)$  lgdogf  
A092499 6.42655 [  $\{a(n+2)-21a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A092508 5.45453 [  $(x^{12}-x^6+1)/(x^4+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A092521 15.6264 [  $-1/(x-1)/(x^2-7x+1)$  ogf]  
A092521 17.1574  $-(8-16x+3x^2)/(x-1)/(x^2-7x+1)$  lgdogf  
A092521 5.11660 [  $\{a(n+3)-8a(n+2)+8a(n+1)-a(n), a(0) = 1, a(1) = 8, a(2) = 56\}$ , ogf]  
A092530 15.6549  $-2*(-2-7x-x^3+x^4-3x^2)/(x-1)/(x+1)/(x^3-x^2-2x-2)$  lgdogf  
A092530 9.45702 [  $x*(x^3-x^2-2x-2)/(x+1)^2/(x-1)^3$  ogf]  
A092531 4.93157 [  $(x^8-x^6+x^4-x^2+1)/(x^4+1)/(x^2+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A092531 7.63656  $-(1+x+8x^3-7x^5+x^4+24x^7-14x^9+x^{10}+15x^{11}-6x^{13}+x^{14}+7x^{15})/(x-1)/(x+1)/(1+x^2)/(1+x^4)/(x^8-x^6+x^4-x^2+1)$  lgdogf  
A092532 12.4148 [  $-1/(x^4+1)/(x+1)^2/(x^2+1)^2/(x-1)^3$  ogf]  
A092532 14.5045  $-(1+x+x^2+5x^3+x^4+x^5+x^6+13x^7)/(1+x^4)/(1+x^2)/(x-1)/(x+1)$  lgdogf  
A092532 32.0090 [  $x^7+x^3+1$  ogf\_with\_Euler\_transform]  
A092533 13.2568  $(-1-x-5x^3-x^2-8x^7-x^8-x^9-x^{10}+3x^{11})/(x-1)/(x+1)/(1+x^2)/(1+x^8)$  lgdogf  
A092533 16.5861 [  $(x^8+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A092533 24.8054 [  $-x^{15}+x^7+x^3+1$  ogf\_with\_Euler\_transform]  
A092534 10.2765 [  $-(x^2-x+1)*(x^4+1)/(x+1)/(x-1)^3$  ogf]

A092534 11.9083  $(-1-4*x-6*x^3-3*x^6-4*x^5+3*x^4+x^2+2*x^7)/(x-1)/(x+1)/(x^2-x+1)/(1+x^4)$  lgdogf  
A092534 17.7468  $[-x^7-x^5+x^3+x^2+2*x+1$  ogf\_with\_Euler\_transform]  
A092535 13.3312  $[(x^2-x+1)*(x^2+1)/(x-1)^2$  ogf]  
A092535 18.0595  $(-1-3*x-5*x^3+2*x^4+3*x^2)/(x-1)/(1+x^2)/(x^2-x+1)$  lgdogf  
A092535 22.3566  $[-x^5-x^3+x^2+2*x+1$  ogf\_with\_Euler\_transform]  
A092535 7.30042  $[{-a(n+5)+2*a(n+4)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 4, a(4) = 6},$  ogf]  
A092550 12.1428  $[-(x^4+x^2+x+1)/(x^6+2*x^3-1)$  ogf]  
A092550 9.92154  $-(1+2*x+8*x^3+2*x^9+4*x^7+3*x^6+6*x^5+2*x^4+6*x^2)/(x^4+x^2+x+1)/(x^6+2*x^3-1)$  lgdogf  
A092563 4.64531  $[{(-8*n^2-24*n-18)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 2},$  ogf]  
A092690 17.1711  $-2*(-1-x+3*x^2)/(3*x-1)/(2*x-1)/(x+1)$  lgdogf  
A092690 3.39457  $[{(n+4)*a(n+4)+(-14-4*n)*a(n+3)+n*a(n+2)+(12+6*n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 22},$  ogf]  
A092691 3.61668  $[{(n+2)*a(n+1)+(-n-2)*a(n+2)+(-n-4)*a(n+3)+(n+4)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 1/2, a(3) = 1/2},$  egf]  
A092749 6.09690  $[-(24*x^16+6*x^10+6*x^4+2*x^2+x+2)/(x-1)$  ogf]  
A092765 10.4996  $-16*x-36*x^2+(2-144*x^3+4*x^2)*f(x)+(-4*x-144*x^4+23*x^2+8*x^3)*f(x)^2$  lgdogf  
A092794 10.9344  $-(21-184*x+1280*x^3+112*x^2)/(4*x-1)/(8*x-1)/(4*x+1)/(5*x-1)$  lgdogf  
A092794 11.7201  $[-(4*x+1)/(4*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A092794 5.61385  $[{a(n+3)-17*a(n+2)+92*a(n+1)-160*a(n), a(0) = 1, a(1) = 21, a(2) = 265},$  ogf]  
A092795 6.50334  $[(318*x^3+187*x^2-24*x-1)/(9*x-1)/(6*x-1)/(7*x-1)/(5*x-1)/(16*x-1)$  ogf]  
A092796 3.78975  $[-(132960*x^5+145292*x^4-17528*x^3-1227*x^2+122*x+1)/(10*x-1)/(6*x-1)/(11*x-1)/(32*x-1)/(8*x-1)/(17*x-1)/(7*x-1)$  ogf]  
A092803 12.3766  $[-(5*x-1)/(6*x-1)/(2*x-1)$  ogf]  
A092803 12.9569  $-1/2*(-1-8*x+(1-4*x+16*x^2)^(1/2))/(5+12*x)$  revogf  
A092803 13.5890  $-3*(1-8*x+20*x^2)/(6*x-1)/(2*x-1)/(5*x-1)$  lgdogf  
A092803 6.85934  $[{a(n+2)-8*a(n+1)+12*a(n), a(0) = 1, a(1) = 3},$  ogf]  
A092804 10.3209  $-10*(1+2000*x^3+300*x^2)/(10*x+1)/(10*x-1)/(100*x^2+10*x+1)$  lgdogf  
A092804 13.3258  $[-(10*x+1)/(10*x-1)/(100*x^2+10*x+1)$  ogf]  
A092804 7.59066  $[{-a(n+3)+1000*a(n), a(0) = 1, a(1) = 10, a(2) = 0},$  ogf]  
A092805 6.92168  $-(-11-16000*x^3+30000*x^4-3000*x^2)/(x-1)/(10*x+1)/(10*x-1)/(100*x^2+10*x+1)$  lgdogf  
A092805 8.96015  $[(10*x+1)/(10*x-1)/(x-1)/(100*x^2+10*x+1)$  ogf]  
A092806 10.8127  $[(9*x+1)*(x-1)/(11*x-1)/(91*x^2+8*x+1)$  ogf]  
A092806 5.91465  $[{-a(n+3)+3*a(n+2)-3*a(n+1)+1001*a(n), a(0) = 1, a(1) = 11, a(2) = 21},$  ogf]  
A092806 8.83157  $-(-11+24*x-16016*x^3+9009*x^4-3006*x^2)/(x-1)/(11*x-1)/(9*x+1)/(91*x^2+8*x+1)$  lgdogf  
A092807 10.3739  $[(4*x^2-6*x+1)/(6*x-1)/(2*x-1)$  ogf]  
A092807 11.9133  $2*(1-8*x+20*x^2)/(2*x-1)/(6*x-1)/(4*x^2-6*x+1)$  lgdogf  
A092807 5.43876  $[{a(n+3)-8*a(n+2)+12*a(n+1), a(0) = 1, a(1) = 2, a(2) = 8},$  ogf]  
A092808 12.0243  $[(x^2-x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A092808 12.9090  $-x*(-6-8*x^2+4*x^3-15*x)/(2*x+1)/(2*x-1)/(x+1)/(x^2-x-1)$  lgdogf  
A092808 6.60795  $[{a(n+3)+a(n+2)-4*a(n+1)-4*a(n), a(0) = 1, a(1) = 0, a(2) = 3},$  ogf]  
A092809 10.0039  $-(1+8*x-16*x^3+8*x^5-12*x^4+5*x^2)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(x^2-x-1)$  lgdogf  
A092809 13.6724  $[-(x^2-x-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A092810 16.4542  $1/6+3/2*x-1/6*(1+6*x+81*x^2)^(1/2)$  revogf  
A092810 19.1722  $[(3*x-1)/(9*x-1)$  ogf]  
A092810 32.9084  $6/(9*x-1)/(3*x-1)$  lgdogf  
A092810 9.85240  $[{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 6},$  ogf]  
A092811 16.1931  $[(4*x-1)/(8*x-1)$  ogf]

A092811 22.5832  $1/8*x-1/8*(1+64*x^2)^{(1/2)}$  revogf  
A092811 34.5390  $4/(8*x-1)/(4*x-1)$  lgdogf  
A092811 8.32147  $[{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 4}], ogf]$   
A092812 4.80296  $[{a(n+3)-20*a(n+2)+64*a(n+1), a(0) = 1, a(1) = 4, a(2) = 40}], ogf]$   
A092812 8.84756  $[(24*x^2-16*x+1)/(16*x-1)/(4*x-1) ogf]$   
A092812 9.66625  $4*(1-20*x+136*x^2)/(4*x-1)/(16*x-1)/(24*x^2-16*x+1) lgdogf$   
A092833 15.3736  $[-(x^24+x^22+1)/(x^2-1) ogf\_with\_Euler\_transform]$   
A092841 10.7614  $-(11-42*x+16*x^3+24*x^2)/(x-1)/(2*x+1)/(2*x-1)/(4*x-1) lgdogf$   
A092841 5.16070  $[{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 1, a(1) = 11, a(2) = 67}], ogf]$   
A092841 9.57226  $[-(2*x+1)^2/(x-1)/(2*x-1)/(4*x-1) ogf]$   
A092846 18.2111  $1331-363*f(x)+33*f(x)^2-f(x)^3 lgdegf$   
A092848 16.5319  $[-(x^2+1)/(x^4+x^2+1) ogf\_with\_Euler\_transform]$   
A092869 18.3950  $[-(x^2-1)/(-x^4-1) ogf\_with\_Euler\_transform]$   
A092870 3.19105  $[{(-1728*n^2-4320*n-2652)*a(n+1)+(n^2+4*n+4)*a(n+2), a(0) = 1, a(1) = 60}], ogf]$   
A092880 10.1300  $[-(14*x^2-7*x+1)/(3*x-1)/(2*x-1)/(4*x-1) ogf]$   
A092880 5.68704  $[{a(n+3)-9*a(n+2)+26*a(n+1)-24*a(n), a(0) = 1, a(1) = 2, a(2) = 6}], ogf]$   
A092880 8.70699  $-2*(1-12*x-168*x^3+168*x^4+64*x^2)/(3*x-1)/(2*x-1)/(4*x-1)/(14*x^2-7*x+1) lgdogf$   
A092881 4.33940  $[-(4752*x^5-3852*x^4+1396*x^3-269*x^2+26*x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(8*x-1)/(5*x-1) ogf]$   
A092886 12.7513  $[x/(x^4-x^3-2*x^2-x+1) ogf]$   
A092886 15.8434  $-(-1-4*x+4*x^3-3*x^2)/(-2*x^2+1-x+x^4-x^3) lgdogf$   
A092896 11.1842  $(-1-40*x^3+16*x^4+16*x^2)/(x-1)/(4*x-1)/(4*x^3-4*x^2+4*x-1) lgdogf$   
A092896 12.0176  $[-(4*x^3-4*x^2+4*x-1)/(4*x-1)/(x-1) ogf]$   
A092896 6.37454  $[{-a(n+4)+5*a(n+3)-4*a(n+2), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 17}], ogf]$   
A092897 11.7317  $[(3*x^3+x^2+x-1)/(3*x-1)/(x+1)^2 ogf]$   
A092897 13.4639  $4*x*(2+3*x^2-3*x)/(3*x-1)/(x+1)/(3*x^3+x^2+x-1) lgdogf$   
A092897 6.17928  $[{-a(n+4)+a(n+3)+5*a(n+2)+3*a(n+1), a(0) = 1, a(1) = 0, a(2) = 4, a(3) = 4}], ogf]$   
A092898 12.3897  $[(4*x^3-4*x^2+4*x-1)/(4*x-1) ogf]$   
A092898 14.3777  $4*x*(2+8*x^2-7*x)/(4*x-1)/(4*x^3-4*x^2+4*x-1) lgdogf$   
A092898 6.84012  $[{-a(n+4)+4*a(n+3), a(0) = 1, a(1) = 0, a(2) = 4, a(3) = 12}], ogf]$   
A092899 12.3049  $[(2*x+1)*(3*x^2+1)/(x+1)/(x-1)^2 ogf]$   
A092899 16.0167  $-(3+11*x+9*x^3+25*x^2)/(x-1)/(2*x+1)/(x+1)/(3*x^2+1) lgdogf$   
A092899 6.38376  $[{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 15}], ogf]$   
A092900 10.4630  $[(2*x^3-9*x^2+1)/(x-1)/(x+1)/(10*x^2-1) ogf]$   
A092900 8.11601  $-2*x*(-2+20*x^2+10*x^5-90*x^4+11*x^3-3*x)/(x-1)/(x+1)/(10*x^2-1)/(2*x^3-9*x^2+1) lgdogf$   
A092907 6.87471  $[-90*x^9+90*x^8+2 ogf\_with\_Euler\_transform]$   
A092936 10.0375  $[-(x-1)/(x+1)/(x^2-11*x+1) ogf]$   
A092936 11.5000  $-(9+20*x+2*x^3-13*x^2)/(x-1)/(x+1)/(x^2-11*x+1) lgdogf$   
A092936 4.75915  $[{-a(n+3)+10*a(n+2)+10*a(n+1)-a(n), a(0) = 1, a(1) = 9, a(2) = 100}], ogf]$   
A092942 8.27513  $[-x*(x+1)*(x^3-2*x^2-1)/(x-1)^2/(x^2+x+1)^2 ogf]$   
A092956 10.3884  $1/8*((x^2+6*x+1)^{(1/2)}*x+(x^2+6*x+1)^{(1/2)}-1-4*x+x^2)/x^2 revegf$   
A092956 4.60667  $[{(4*n^3+34*n^2+96*n+90)*a(n+1)+(-n^2-6*n-8)*a(n+2), a(0) = 1, a(1) = 8}], ogf]$   
A092966 10.7953  $[x*(x^2+12*x+10)/(x-1)^4 ogf]$   
A092966 22.1849  $-2*(26+19*x+x^2)/(x-1)/(x^2+12*x+10) lgdogf$   
A092966 3.96886  $[{(30+10*n)*a(n+4)+(-48+2*n)*a(n+3)+(-49-11*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 10, a(2) = 52, a(3) = 149}], ogf]$   
A092984 9.81478  $[x^23-x^22+x^12-x^11+x^7-x^6+x^5-x^3-1)/(x-1) ogf]$   
A093005 10.9308  $[-(2*x^2+x+1)/(x+1)^2/(x-1)^3 ogf]$

A093005 17.9504  $-2*(1+5*x+3*x^3+3*x^2)/(x-1)/(x+1)/(2*x^2+x+1)$  lgdogf  
A093031 10.1154  $[-x*(x+1)*(2*x^21-2*x^20-2*x^15+2*x^14-2*x^13+2*x^12-2*x^11-1)/(x-1)^2$  ogf]  
A093031 6.32484  $(3+x+22*x^10-28*x^16-18*x^11+32*x^15+40*x^22-44*x^21-36*x^20+40*x^19)/(x-1)/(x+1)/(2*x^21-2*x^20-2*x^15+2*x^14-2*x^13+2*x^12-2*x^11-1)$  lgdogf  
A093033 10.0701  $[(x^3+34*x^2+55*x+6)/(x-1)^4$  ogf]  
A093033 16.2752  $-(79+233*x+x^3+71*x^2)/(x-1)/(x^3+34*x^2+55*x+6)$  lgdogf  
A093040 13.4331  $[-(x+1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A093040 14.4429  $-(1+2*x+8*x^3+3*x^4+7*x^2)/(x+1)/(x^2+x+1)/(x^2+x-1)$  lgdogf  
A093041 3.45125  $[{(2*n+12)*a(n+1)+(-3*n-17)*a(n+2)+(3*n+17)*a(n+3)+(-n-5)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6},$  ogf]  
A093041 8.91945  $[-(x-1)*(3*x^2-3*x+1)/(x^2-x+1)/(2*x-1)^2$  ogf]  
A093041 9.09543  $-(1+4*x+24*x^3+6*x^5-21*x^4-13*x^2)/(x-1)/(2*x-1)/(x^2-x+1)/(3*x^2-3*x+1)$  lgdogf  
A093042 10.1410  $[-x*(2*x^2-1)/(4*x^2+2*x-1)/(x^2-x-1)$  ogf]  
A093042 9.40986  $-(1+10*x-16*x^3+16*x^5-4*x^4+8*x^2)/(4*x^2+2*x-1)/(2*x^2-1)/(x^2-x-1)$  lgdogf  
A093043 10.4723  $-(3-14*x+8*x^3+24*x^4-20*x^2)/(2*x+1)/(4*x^2+2*x-1)/(x^2-x-1)$  lgdogf  
A093043 9.50539  $[x^2*(2*x+1)/(4*x^2+2*x-1)/(x^2-x-1)$  ogf]  
A093044 8.43221  $-2*x*(2-8*x^2+4*x^5+20*x^4+8*x^3-x)/(4*x^2+2*x-1)/(x^2-x-1)/(2*x^3+5*x^2+x-1)$  lgdogf  
A093044 8.56062  $[-(2*x^3+5*x^2+x-1)/(4*x^2+2*x-1)/(x^2-x-1)$  ogf]  
A093045 10.6439  $-(2-14*x+12*x^3+12*x^4-13*x^2)/(x+1)/(4*x^2+2*x-1)/(x^2-x-1)$  lgdogf  
A093045 9.50539  $[2*x^2*(x+1)/(4*x^2+2*x-1)/(x^2-x-1)$  ogf]  
A093058 3.77386  $[(413*x^8+1254*x^7+2124*x^6+2965*x^5+3481*x^4+3009*x^3+2168*x^2+1298*x+457)/(x-1)^2/(x^4+x^3+x^2+x+1)^2$  ogf]  
A093069 10.3181  $-(23-164*x-416*x^3+128*x^4+420*x^2)/(x-1)/(2*x-1)/(4*x-1)/(16*x^2-26*x+7)$  lgdogf  
A093069 11.9702  $[-(16*x^2-26*x+7)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A093069 6.66168  $[{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 7, a(1) = 23, a(2) = 79},$  ogf]  
A093085 10.2070  $[-(2*x^4+x^3+x+2)/(-x^6+x^4-x^2+1)$  ogf\_with\_Euler\_transform]  
A093103 14.7222  $1/42/x*(-1-8*x+(1+16*x+148*x^2)^(1/2))$  revogf  
A093103 16.8006  $[-1/(21*x^2+8*x-1)$  ogf]  
A093103 21.5171  $-2*(4+21*x)/(21*x^2-1+8*x)$  lgdogf  
A093103 6.88218  $[{-a(n+2)+8*a(n+1)+21*a(n), a(0) = 1, a(1) = 8},$  ogf]  
A093112 10.5634  $-(7+4*x-224*x^3+128*x^4+108*x^2)/(x-1)/(2*x-1)/(4*x-1)/(16*x^2-14*x+1)$  lgdogf  
A093112 11.8696  $[(16*x^2-14*x+1)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A093112 6.66365  $[{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = -1, a(1) = 7, a(2) = 47},$  ogf]  
A093117 12.0642  $[-(7*x+1)/(21*x^2+8*x-1)$  ogf]  
A093117 12.3498  $1/14*(-1-8*x+(1+44*x+148*x^2)^(1/2))/(1+3*x)$  revogf  
A093117 13.2534  $-3*(5+14*x+49*x^2)/(7*x+1)/(21*x^2+8*x-1)$  lgdogf  
A093117 6.60656  $[{a(n+2)-8*a(n+1)-21*a(n), a(0) = 1, a(1) = 15},$  ogf]  
A093119 11.3958  $-(68+36*x-6*x^3+x^4+21*x^2)/(x-1)/(x^4-5*x^3+12*x^2+3*x+13)$  lgdogf  
A093119 7.07440  $[-(x^4-5*x^3+12*x^2+3*x+13)/(x-1)^5$  ogf]  
A093121 9.11323  $[-(3*x^2+x-1)/(4*x^2+2*x-1)/(x^2-x-1)$  ogf]  
A093121 9.37938  $-2*x*(4-10*x^2+12*x^4+3*x^3+x)/(3*x^2+x-1)/(4*x^2+2*x-1)/(x^2-x-1)$  lgdogf  
A093122 10.1482  $-(2-14*x+12*x^3+12*x^4-13*x^2)/(x+1)/(4*x^2+2*x-1)/(x^2-x-1)$  lgdogf  
A093122 9.67405  $[x*(x+1)/(4*x^2+2*x-1)/(x^2-x-1)$  ogf]  
A093123 13.2793  $[-(6*x-1)/(20*x^2-10*x+1)$  ogf]  
A093123 13.9079  $-1/4*(-1-10*x+(1-4*x+20*x^2)^(1/2))/(3+10*x)$  revogf  
A093123 14.5702  $-4*(1-10*x+30*x^2)/(6*x-1)/(20*x^2-10*x+1)$  lgdogf

A093123 7.43008  $[ \{a(n+2)-10*a(n+1)+20*a(n), a(0) = 1, a(1) = 4\}, \text{ogf}]$   
A093129 14.0200  $[ -(3*x-1)/(5*x^2-5*x+1) \text{ogf}]$   
A093129 15.0738  $-1/2*(-1-5*x+(1-2*x+5*x^2)^{(1/2)})/(3+5*x) \text{revogf}$   
A093129 16.2638  $-(2-10*x+15*x^2)/(3*x-1)/(5*x^2-5*x+1) \text{lgdogf}$   
A093129 7.69390  $[ \{a(n+2)-5*a(n+1)+5*a(n), a(0) = 1, a(1) = 2\}, \text{ogf}]$   
A093130 14.5178  $[ 2*x/(20*x^2-10*x+1) \text{ogf}]$   
A093130 15.0596  $-1/20*(-1-5*x+(1+10*x+5*x^2)^{(1/2)})/x \text{revogf}$   
A093130 20.6373  $-10*(4*x-1)/(20*x^2+1-10*x) \text{lgdogf}$   
A093130 6.82160  $[ \{a(n+2)-10*a(n+1)+20*a(n), a(0) = 0, a(1) = 2\}, \text{ogf}]$   
A093131 17.1384  $-1/10*(-1-5*x+(1+10*x+5*x^2)^{(1/2)})/x \text{revogf}$   
A093131 19.5084  $[ x/(5*x^2-5*x+1) \text{ogf}]$   
A093131 26.4216  $-5*(2*x-1)/(5*x^2-5*x+1) \text{lgdogf}$   
A093131 7.94785  $[ \{a(n+2)-5*a(n+1)+5*a(n), a(0) = 0, a(1) = 1\}, \text{ogf}]$   
A093132 12.0453  $-1/4*(-1-10*x+(1+2*x)*(1+10*x)^{(1/2)})/(1+10*x) \text{revogf}$   
A093132 12.5566  $[ -(2*x-1)/(20*x^2-10*x+1) \text{ogf}]$   
A093132 14.4544  $-8*(5*x^2-5*x+1)/(2*x-1)/(20*x^2+1-10*x) \text{lgdogf}$   
A093132 7.02570  $[ \{-a(n+2)+10*a(n+1)-20*a(n), a(0) = 1, a(1) = 8\}, \text{ogf}]$   
A093133 12.5020  $[ -(7*x-1)/(20*x^2-10*x+1) \text{ogf}]$   
A093133 13.0776  $-1/2*(-1-10*x+(1-8*x+20*x^2)^{(1/2)})/(7+20*x) \text{revogf}$   
A093133 14.0345  $-(3-40*x+140*x^2)/(7*x-1)/(20*x^2+1-10*x) \text{lgdogf}$   
A093133 6.99514  $[ \{a(n+2)-10*a(n+1)+20*a(n), a(0) = 1, a(1) = 3\}, \text{ogf}]$   
A093134 13.8695  $[ (7*x-1)/(x+1)/(8*x-1) \text{ogf}]$   
A093134 14.3022  $1/2/(-7+8*x)*(-1-7*x+(1-14*x+81*x^2)^{(1/2)}) \text{revogf}$   
A093134 17.5712  $-8*x*(-2+7*x)/(8*x-1)/(7*x-1)/(x+1) \text{lgdogf}$   
A093134 7.70527  $[ \{-a(n+2)+7*a(n+1)+8*a(n), a(0) = 1, a(1) = 0\}, \text{ogf}]$   
A093135 12.1536  $[ -(8*x-1)/(10*x-1)/(x-1) \text{ogf}]$   
A093135 12.7146  $-1/4*(-1-11*x+(1-10*x+81*x^2)^{(1/2)})/(4+5*x) \text{revogf}$   
A093135 14.3447  $-(3-20*x+80*x^2)/(x-1)/(8*x-1)/(10*x-1) \text{lgdogf}$   
A093135 6.80025  $[ \{a(n+2)-11*a(n+1)+10*a(n), a(0) = 1, a(1) = 3\}, \text{ogf}]$   
A093136 14.7222  $1/16+5/8*x-1/16*(1-12*x+100*x^2)^{(1/2)} \text{revogf}$   
A093136 15.0321  $[ (8*x-1)/(10*x-1) \text{ogf}]$   
A093136 31.0802  $2/(10*x-1)/(8*x-1) \text{lgdogf}$   
A093136 7.82495  $[ \{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 2\}, \text{ogf}]$   
A093137 12.1536  $[ -(7*x-1)/(10*x-1)/(x-1) \text{ogf}]$   
A093137 12.7146  $-1/2*(-1-11*x+(1-6*x+81*x^2)^{(1/2)})/(7+10*x) \text{revogf}$   
A093137 13.6450  $-2*(2-10*x+35*x^2)/(x-1)/(7*x-1)/(10*x-1) \text{lgdogf}$   
A093137 6.80025  $[ \{a(n+2)-11*a(n+1)+10*a(n), a(0) = 1, a(1) = 4\}, \text{ogf}]$   
A093138 15.0321  $[ (7*x-1)/(10*x-1) \text{ogf}]$   
A093138 15.1201  $1/14+5/7*x-1/14*(1-8*x+100*x^2)^{(1/2)} \text{revogf}$   
A093138 31.0802  $3/(10*x-1)/(7*x-1) \text{lgdogf}$   
A093138 7.82495  $[ \{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 3\}, \text{ogf}]$   
A093140 12.1536  $[ -(6*x-1)/(10*x-1)/(x-1) \text{ogf}]$   
A093140 13.0103  $-1/4*(-1-11*x+(1-2*x+81*x^2)^{(1/2)})/(3+5*x) \text{revogf}$   
A093140 13.9861  $-5*(1-4*x+12*x^2)/(x-1)/(6*x-1)/(10*x-1) \text{lgdogf}$   
A093140 6.80025  $[ \{a(n+2)-11*a(n+1)+10*a(n), a(0) = 1, a(1) = 5\}, \text{ogf}]$   
A093141 15.0321  $[ (6*x-1)/(10*x-1) \text{ogf}]$   
A093141 15.1201  $1/12+5/6*x-1/12*(1-4*x+100*x^2)^{(1/2)} \text{revogf}$   
A093141 31.0802  $4/(10*x-1)/(6*x-1) \text{lgdogf}$   
A093141 7.82495  $[ \{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 4\}, \text{ogf}]$   
A093142 12.1536  $[ -(5*x-1)/(10*x-1)/(x-1) \text{ogf}]$   
A093142 12.7146  $-1/10*(-1-11*x+(1+2*x+81*x^2)^{(1/2)})/(1+2*x) \text{revogf}$   
A093142 13.6450  $-2*(3-10*x+25*x^2)/(x-1)/(5*x-1)/(10*x-1) \text{lgdogf}$   
A093142 6.80025  $[ \{a(n+2)-11*a(n+1)+10*a(n), a(0) = 1, a(1) = 6\}, \text{ogf}]$   
A093143 15.0321  $[ (5*x-1)/(10*x-1) \text{ogf}]$   
A093143 19.2912  $1/10+x-1/10*(1+100*x^2)^{(1/2)} \text{revogf}$   
A093143 31.0802  $5/(10*x-1)/(5*x-1) \text{lgdogf}$   
A093143 7.82495  $[ \{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 5\}, \text{ogf}]$   
A093144 12.0930  $-1/100*(-1-20*x+(1+40*x+200*x^2)^{(1/2)})/x \text{revogf}$   
A093144 14.4089  $[ x/(50*x^2-20*x+1) \text{ogf}]$   
A093144 18.3634  $-20*(5*x-1)/(50*x^2+1-20*x) \text{lgdogf}$   
A093144 6.07604  $[ \{a(n+2)-20*a(n+1)+50*a(n), a(0) = 0, a(1) = 1\}, \text{ogf}]$



A093145 15.4568  $-1/40*(-1-10*x+(1+20*x+20*x^2)^{(1/2)})/x$  revogf  
A093145 17.4843  $[x/(20*x^2-10*x+1)$  ogf]  
A093145 22.3265  $-10*(4*x-1)/(20*x^2+1-10*x)$  lgdogf  
A093145 7.37288  $[{a(n+2)-10*a(n+1)+20*a(n), a(0) = 0, a(1) = 1},$  ogf]  
A093146 10.7903  $-1/10*(-1-20*x+(1-20*x+200*x^2)^{(1/2)})/(3+10*x)$  revogf  
A093146 10.8016  $[-(15*x-1)/(50*x^2-20*x+1)$  ogf]  
A093146 11.5260  $-5*(1-20*x+150*x^2)/(15*x-1)/(50*x^2+1-20*x)$  lgdogf  
A093146 6.17235  $[{a(n+2)-20*a(n+1)+50*a(n), a(0) = 1, a(1) = 5},$  ogf]  
A093147 11.5740  $-1/10*(-1-20*x+(1+20*x+200*x^2)^{(1/2)})/(1+10*x)$  revogf  
A093147 11.8151  $[-(5*x-1)/(50*x^2-20*x+1)$  ogf]  
A093147 12.9518  $-5*(3-20*x+50*x^2)/(5*x-1)/(50*x^2+1-20*x)$  lgdogf  
A093147 6.53305  $[{a(n+2)-20*a(n+1)+50*a(n), a(0) = 1, a(1) = 15},$  ogf]  
A093148 11.2647  $[{-a(n+4)+a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3},$  ogf]  
A093148 13.1443  $-(1+2*x+4*x^3+3*x^6+2*x^5+3*x^4+9*x^2)/(x-1)/(x+1)/(x^2+1)/$   
 $(3*x^3+x^2+x+1)$  lgdogf  
A093148 17.3911  $[-(3*x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A093160 13.7436  $[-(4*x^2-4*x-4)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A093175 9.45851  $-(4+10*x+6*x^3+2*x^6+8*x^5+11*x^4+8*x^2)/(x+1)/(2*x^2+2*x+1)/$   
 $(x^4+x^3+x^2+x-1)$  lgdogf  
A093175 9.76299  $[-(x+1)*(2*x^2+2*x+1)/(x^4+x^3+x^2+x-1)$  ogf]  
A093178 14.5966  $[ (x^3-x^2+x+1)/(x-1)^2/(x+1)^2$  ogf]  
A093178 18.6192  $-(1+2*x-2*x^3+x^4+6*x^2)/(x-1)/(x+1)/(x^3-x^2+x+1)$  lgdogf  
A093196 5.24698  $[-(x+1)*(x^4+20*x^3+70*x^2+20*x+1)/(x-1)^7$  ogf]  
A093196 8.13530  $-2*(14+153*x+222*x^3+x^5+34*x^4+360*x^2)/(x-1)/(x+1)/$   
 $(x^4+20*x^3+70*x^2+20*x+1)$  lgdogf  
A093197 10.3541  $-24+100*x+(4-36*x+80*x^2)*f(x)+(-8*x^2+16*x^3+x)*f(x)^2$  lgdegf  
A093197 11.1662  $1/3*3^{(1/3)}*(3^{(1/3)}*(x+1/3)^{(1/3)}-1)/(x+1/3)^{(2/3)}$  revegf  
A093197 5.09481  $[{(4*n^2+30*n+56)*a(n+1)+(-n-6)*a(n+2), a(0) = 1, a(1) = 6},$   
ogf]  
A093198 7.54040  $[-(x^2+3*x+1)*(x^2+4*x+1)/(x+1)/(x-1)^5$  ogf]  
A093198 9.38774  $-(11+62*x+88*x^3+2*x^5+25*x^4+112*x^2)/(x-1)/(x+1)/(x^2+3*x+1)/$   
 $(x^2+4*x+1)$  lgdogf  
A093216 6.04345  $[4800*x*(20480000*x^3-2053550*x^2-1425*x+201)/(100*x-1)/$   
 $(10*x-1)$  ogf]  
A093230 14.8943  $[900*x/(100*x-1)/(10*x-1)$  ogf]  
A093230 7.38183  $-10*(-11+200*x)/(100*x-1)/(10*x-1)$  lgdogf  
A093230 7.44714  $[{a(n+2)-110*a(n+1)+1000*a(n), a(0) = 0, a(1) = 900},$  ogf]  
A093232 3.05573  $[$   
 $-4*x*(2760000000*x^4-1423600000*x^3+127419000*x^2-1335490*x-241)/(100*x-1)/$   
 $(10*x-1)$  ogf]  
A093248 6.55317  $[ -96*x*(9680000*x^3-1028300*x^2+40*x-1)/(100*x-1)/(10*x-1)$  ogf]  
A093255 4.25061  $[55*x*(1000000*x^5-1000000*x^4+189900*x^3-77900*x^2-12009*x-1)/$   
 $(x-1)/(10*x+1)/(100*x-1)/(100*x+1)/(10*x-1)$  ogf]  
A093260 10.9225  $[600*x*(50*x+1)/(100*x-1)/(10*x-1)$  ogf]  
A093260 5.85132  $[{a(n+3)-110*a(n+2)+1000*a(n+1), a(0) = 0, a(1) = 600, a(2) =$   
 $96000},$  ogf]  
A093270 14.8943  $[700*x/(100*x-1)/(10*x-1)$  ogf]  
A093270 7.44714  $[{a(n+2)-110*a(n+1)+1000*a(n), a(0) = 0, a(1) = 700},$  ogf]  
A093275 10.6454  $[75*x*(20*x+1)/(100*x-1)/(10*x-1)$  ogf]  
A093275 5.61305  $[{a(n+3)-110*a(n+2)+1000*a(n+1), a(0) = 0, a(1) = 75, a(2) =$   
 $9750},$  ogf]  
A093280 8.62300  $[ -800*x*(5000*x^3-1300*x^2-1)/(100*x-1)/(10*x-1)$  ogf]  
A093296 5.45240  $[ -8*x*(12337200000*x^4-1240813000*x^3-15490*x^2+599*x-12)/$   
 $(100*x-1)/(10*x-1)$  ogf]  
A093302 20.8996  $(-5+4*x^2)/(2*x-1)/(2*x+1)$  lgdegf  
A093303 3.50529  $[{(2*n^2+9*n+9)*a(n+1)+(-2*n^2-10*n-13)*a(n+2)+(n+2)*a(n+3),$   
 $a(0) = 0, a(1) = 2, a(2) = 10},$  ogf]  
A093322 8.42145  $-(8+38*x-38*x^3+28*x^6+36*x^5+11*x^4+76*x^2)/(28*x^3+18*x^2+7*x$   
 $+1)/(x^4+x^3+x^2+x-1)$  lgdogf  
A093322 9.12833  $[-(28*x^3+18*x^2+7*x+1)/(x^4+x^3+x^2+x-1)$  ogf]  
A093328 13.0021  $[-(5*x^2-4*x+3)/(x-1)^3$  ogf]

A093328 22.8744  $-(5+2*x+5*x^2)/(x-1)/(5*x^2-4*x+3)$  lgdogf  
A093328 7.01886  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 5, a(2) = 11}],$  ogf]  
A093344 3.54607  $[{(n^2+4*n+4)*a(n+1)+(-n^2-8*n-14)*a(n+2)+(2*n+8)*a(n+3)-a(n+4),$   
 $a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 17}],$  ogf]  
A093353 10.7249  $[-(x^2+x+2)/(x+1)^2/(x-1)^3$  ogf]  
A093353 18.8358  $-(3+13*x+3*x^3+5*x^2)/(x-1)/(x+1)/(x^2+x+2)$  lgdogf  
A093356 11.3226  $[(4*x^2-10*x+3)/(4*x-1)/(2*x-1)$  ogf]  
A093356 13.0191  $8*(1-5*x+7*x^2)/(2*x-1)/(4*x-1)/(4*x^2-10*x+3)$  lgdogf  
A093356 5.93613  $[{a(n+3)-6*a(n+2)+8*a(n+1), a(0) = 3, a(1) = 8, a(2) = 28}],$  ogf]  
A093357 10.8317  $1/4*\ln(2*x+1)+1/2*\operatorname{arctanh}((6*x+4)^{(1/2)})-1/2*\operatorname{arctanh}(2)$  reveqf  
A093357 12.3500  $[-4*x*(x-1)/(4*x-1)/(2*x-1)$  ogf]  
A093357 16.1012  $-(5-16*x+8*x^2)/(x-1)/(2*x-1)/(4*x-1)$  lgdogf  
A093357 5.93284  $[{a(n+3)-6*a(n+2)+8*a(n+1), a(0) = 0, a(1) = 4, a(2) = 20}],$  ogf]  
A093361 6.46870  $[-(x^6-7*x^4+2*x^3-x^2-2*x-1)/(x+1)^3/(x-1)^4$  ogf]  
A093361 9.04514  $-(3-11*x+x^7-31*x^3+x^6-15*x^5+x^4-7*x^2)/(x-1)/(x+1)/$   
 $(x^6-7*x^4+2*x^3-x^2-2*x-1)$  lgdogf  
A093374 13.3894  $-(5-14*x+2*x^3+11*x^2)/(2*x-1)/(x^3+2*x^2-3*x+1)$  lgdogf  
A093374 9.42844  $[(x^3+2*x^2-3*x+1)/(2*x-1)^4$  ogf]  
A093379 10.1504  $[-x*(2*x^2+2*x-1)/(3*x-1)/(2*x-1)/(x+1)$  ogf]  
A093379 5.03646  $[{-a(n+4)+4*a(n+3)-a(n+2)-6*a(n+1), a(0) = 0, a(1) = 1, a(2) =$   
 $2, a(3) = 5}],$  ogf]  
A093379 9.99660  $-2*(1-3*x+12*x^3+6*x^4-4*x^2)/(3*x-1)/(2*x-1)/(x+1)/$   
 $(2*x^2+2*x-1)$  lgdogf  
A093380 5.20224  $[{a(n+4)-2*a(n+3)-a(n+2)+2*a(n+1), a(0) = 1, a(1) = 6, a(2) =$   
 $14, a(3) = 22}],$  ogf]  
A093380 9.90383  $-2*(3+2*x+12*x^3+4*x^4-17*x^2)/(x-1)/(2*x-1)/(x+1)/(10*x^3-$   
 $x^2-4*x-1)$  lgdogf  
A093380 9.95857  $[-(10*x^3-x^2-4*x-1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A093381 6.27098  $-2*(4-38*x-108*x^3+48*x^6+72*x^5-73*x^4+119*x^2)/(x-1)/(4*x-1)/$   
 $(3*x-1)/(2*x-1)/(4*x^3+3*x^2+2*x-1)$  lgdogf  
A093381 7.74195  $[-(4*x^3+3*x^2+2*x-1)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A093387 13.9719  $-2*(x-1+6*x^2+(-(2*x-1)*(2*x+1))^{(1/2)})/x/(2*x+1)/(2*x-1)$  lgdogf  
A093387 4.07873  $[{(-8*n-24)*a(n+1)+(4*n+12)*a(n+2)+(2*n+12)*a(n+3)+(-n-6)*a(n$   
 $+4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2}],$  ogf]  
A093388 3.67328  $[{(-72*n^2-288*n-288)*a(n+1)+(17*n^2+85*n+108)*a(n+2)+(-$   
 $n^2-6*n-9)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 42}],$  ogf]  
A093390 10.9280  $[x^7/(x^6+x^3+1)/(x-1)^2$  ogf]  
A093390 19.5286  $-(2+5*x^3+8*x^6-6*x^5-3*x^2)/(x-1)/(x^6+x^3+1)$  lgdogf  
A093391 13.5570  $-2*(-2*x^3+3*x^4-4*x^7+5*x^8-6*x^{11}+1+7*x^{12})/(x-1)/(1+x^4)/$   
 $(1+x^8)$  lgdogf  
A093391 7.89492  $[x^{13}/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A093392 5.97681  $[x^{21}/(x^{20}+x^{15}+x^{10}+x^5+1)/(x-1)^2$  ogf]  
A093392 9.85109  $-(2+12*x^{10}-15*x^{14}+7*x^{15}-5*x^4+17*x^{15}+22*x^{20}-20*x^{19}-10*x^9)/$   
 $(x-1)/(x^{20}+x^{15}+x^{10}+x^5+1)$  lgdogf  
A093393 6.61670  $-(2-2*x+x^{10}+12*x^8-$   
 $x^7+8*x^{14}+8*x^3+3*x^6+16*x^5-6*x^4-4*x^{13}+5*x^{11}+4*x^2+4*x^9+10*x^{12})/(x-1)/$   
 $(x^2+1)/(x^6+x^3+1)/(2*x^6+x^4+x^3+1)$  lgdogf  
A093393 6.64882  $[x^3*(2*x^6+x^4+x^3+1)/(x^2+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A093406 10.2622  $-(3-2*x-12*x^3+x^6+10*x^5+23*x^4+x^2)/(x^3+5*x^2-x+1)/$   
 $(x^4+4*x^3-6*x^2+4*x-1)$  lgdogf  
A093406 10.4422  $[-(x^3+5*x^2-x+1)/(x^4+4*x^3-6*x^2+4*x-1)$  ogf]  
A093434 4.84919  $[{(27*n^2+135*n+168)*a(n+1)-a(n+2), a(0) = 3, a(1) = 180}],$  ogf]  
A093467 10.5829  $-(2-10*x-12*x^3+3*x^4+18*x^2)/(x-1)/(x^2-3*x+1)/(x^3-x^2-2*x+1)$   
lgdogf  
A093467 5.15299  $[{-a(n+4)+4*a(n+3)-4*a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) =$   
 $3, a(3) = 6}],$  ogf]  
A093467 9.85790  $[-(x^3-x^2-2*x+1)/(x-1)/(x^2-3*x+1)$  ogf]  
A093468 4.54262  $[{(-n-2)*a(n)+(n+3)*a(n+1)-a(n+2), a(0) = 1, a(1) = 2, a(2) =$   
 $3}],$  ogf]  
A093478 13.6436  $(1-4*x+26*x^3+112*x^5-188*x^4+59*x^2)/(x-1)/(2*x+1)/$

$(14x^4-15x^3-2x^2+2x-1)$  lgdogf  
A093478 16.0593  $[(2x+1)*(14x^4-15x^3-2x^2+2x-1)/(x-1)$  ogf]  
A093479 16.1578  $[x*(10x^4-10x^3-2x^2-5x-1)/(x-1)$  ogf]  
A093479 16.6936  $2*(3+2x-30x^3+15x^4+14x^2)/(x-1)/(10x^4-10x^3-2x^2-5x-1)$  lgdogf  
A093485 12.2607  $[-(10x^2+16x+1)/(x-1)^3$  ogf]  
A093485 28.0581  $-(x+8)^2/(x-1)/(x^2+7x+19)$  lgdogf  
A093485 6.77564  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 19, a(2) = 64},$  ogf]  
A093500 12.8002  $[-(x^2+3x+11)/(x-1)^3$  ogf]  
A093500 24.3303  $-(36+8x+x^2)/(x-1)/(x^2+3x+11)$  lgdogf  
A093500 6.90098  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 11, a(1) = 36, a(2) = 76},$  ogf]  
A093509 4.96138  $[x*(5x^8-4x^7+8x^6-6x^5+9x^4-6x^3+8x^2-4x+5)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A093544 10.3273  $[(x^2+5x+1)*(x^3+2x^2+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A093544 6.51415  $[{(-4n-17)*a(n+1)+(4n+5)*a(n+4), a(0) = 1, a(1) = 5, a(2) = 3, a(3) = 13},$  ogf]  
A093544 9.33029  $-(5+6x+x^7+53x^3+14x^6+33x^5+17x^4+39x^2)/(x-1)/(x^2+5x+1)/(x^3+2x^2+1)/(x^2+x+1)$  lgdogf  
A093545 6.38230  $[x*(x^{10}+3x^9+5x^8+x^7+5x^6+5x^5+2x^4+5x^3+5x^2+x+2)/(x^6+x^3+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A093566 21.6767  $-5*(4+16x+x^2)/(x-1)/(x^2+13x+1)$  lgdogf  
A093566 6.95292  $[-x^4*(x^2+13x+1)/(x-1)^7$  ogf]  
A093567 14.3684  $-(-14-38x+4x^3+13x^2)/(x-1)/(x^3+2x^2-7x-1)$  lgdogf  
A093567 3.57183  $[{(151n^2+1311n+2828)*a(n+1)+(-407n^2-2859n-4552)*a(n+2)+(256n^2+918n+812)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 14},$  ogf]  
A093567 6.42274  $[x*(x^3+2x^2-7x-1)/(x-1)^7$  ogf]  
A093610 4.86225  $[(x^{16}+x^{15}+2x^{14}+x^{13}+2x^{12}+x^{11}+2x^{10}+x^9+2x^8+2x^7+x^6+2x^5+x^4+2x^3+x^2+2x+1)/(x+1)/(x^2+1)/(x^8+1)/(x^4+1)/(x-1)^2$  ogf]  
A093611 6.73849  $-(3+8x+x^{10}+3x^8+4x^7+36x^3+15x^6+6x^5+29x^4+21x^2)/(x+1)/(x^6+6x^3-1)/(x^4-x^3+2x^2+2x+1)$  lgdogf  
A093611 8.97619  $[-x*(x+1)*(x^4-x^3+2x^2+2x+1)/(x^6+6x^3-1)$  ogf]  
A093616 7.87210  $[(21x^{32}+50x^{19}-100x^{18}+50x^{17}-5)/(21x^{32}-5)/(x-1)^2$  ogf]  
A093620 12.9020  $-205+82x+(1-148x+164x^2)*f(x)+(8-32x+32x^2)*f(x)^2$  lgdegf  
A093620 4.94101  $[{(-4n^2-14n-12)*a(n+1)+(4n+13)*a(n+2)-a(n+3), a(0) = 1, a(1) = 5, a(2) = 43},$  ogf]  
A093646 29.0179  $-(19+81x)/(9x+1)/(x-1)$  lgdogf  
A093646 4.60882  $[{(n+3)*a(n+3)+(-3+8n)*a(n+2)+(-90-9n)*a(n+1), a(0) = 1, a(1) = 19, a(2) = 145},$  ogf]  
A093646 5.72386  $[(9x+1)/(x-1)^{10}$  ogf]  
A093652 5.62063  $-(2+14x+x^{10}+6x^8-4x^7+12x^3-10x^6-12x^5-8x^4+21x^2+6x^9)/(x^7+3x^6-2x^5-7x^4+x^3+x^2-2x-1)/(x^4-4x^2+1)$  lgdogf  
A093652 5.93718  $[-(x^7+3x^6-2x^5-7x^4+x^3+x^2-2x-1)/(x^4-4x^2+1)^2$  ogf]  
A093695 19.5642  $[-(x^2+2)/(x-1)$  ogf\_with\_Euler\_transform]  
A093697 5.62290  $[(x^{30}-x^{29}-x^{17}+x^{14}+x^{11}+x^{10}+x^9+x^7+x^6+x^5+x^4+x^3+x^2+1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A093699 5.37057  $[-(x^6+38x^5+95x^4+148x^3+79x^2+22x+1)/(x+1)^3/(x-1)^5$  ogf]  
A093699 6.26984  $-2*(12+105x+x^7+575x^3+58x^6+231x^5+560x^4+378x^2)/(x-1)/(x+1)/(x^6+38x^5+95x^4+148x^3+79x^2+22x+1)$  lgdogf  
A093709 11.0414  $[-(x^3-x^2+1)/(-x^4-1)$  ogf\_with\_Euler\_transform]  
A093718 10.9171  $-(1+2x^8-2x^7+6x^3+2x^6+2x^5-x^4-x^2)/(x-1)/(x^2+x+1)/(x^2-x+1)/(2x^4-x^3+x^2+1)$  lgdogf  
A093718 9.87353  $[-(2x^4-x^3+x^2+1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A093719 11.0455  $-(1+x^{10}+3x^8+5x^6+6x^5+5x^4+3x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+x^3+x+1)$  lgdogf  
A093719 14.0372  $[-(x^5+x^3+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A093722 7.94598  $-(3+11x+9x^8+23x^7+32x^3+13x^6+41x^5+35x^4+10x^2+3x^9)/$

$(x-1)/(x+1)/(x^2+1)/(x^6+2x^5+4x^4+x^3+4x^2+2x+1)$  lgdogf  
A093722 8.33550 [  $-x*(x^6+2x^5+4x^4+x^3+4x^2+2x+1)/(x+1)^2/(x^2+1)^2/(x-1)^3$  ogf]  
A093732 3.77473 [  $-(259620x^5+107048x^4-20467x^3-729x^2+127x+1)/(9x-1)/(6x-1)/(7x-1)/(5x-1)/(31x-1)/(10x-1)/(16x-1)$  ogf]  
A093798 7.99134  $-10*(-11+200x)/(100x-1)/(10x-1)$  lgdogf  
A093801 13.7665 [  $(3x+1)/(6x-1)/(3x-1)$  ogf]  
A093801 14.7877  $-1/6*(-1-9x+(1+30x+9x^2)^{1/2})/(6x-1)$  revogf  
A093801 15.1483  $-6*(-2+6x+9x^2)/(6x-1)/(3x-1)/(3x+1)$  lgdogf  
A093801 7.53881 [  $\{-a(n+2)+9a(n+1)-18a(n), a(0) = 1, a(1) = 12\}$ , ogf]  
A093829 17.1326 [  $-(2x-1)/(-x^2+x-1)$  ogf\_with\_Euler\_transform]  
A093833 10.5221 [  $(x-1)^2/(3x-1)/(2x-1)/(x+1)$  ogf]  
A093833 13.1003  $-2*(1+x+3x^3-9x^2)/(x-1)/(3x-1)/(2x-1)/(x+1)$  lgdogf  
A093833 5.73077 [  $\{a(n+3)-4a(n+2)+a(n+1)+6a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A093834 12.1237 [  $(2x-1)^2/(3x-1)/(4x-1)$  ogf]  
A093834 19.4535  $(-3+10x)/(3x-1)/(2x-1)/(4x-1)$  lgdogf  
A093834 6.29498 [  $\{-a(n+3)+7a(n+2)-12a(n+1), a(0) = 1, a(1) = 3, a(2) = 13\}$ , ogf]  
A093835 10.2559 [  $x*(2x^2+1)/(2x-1)^2/(x+1)^2$  ogf]  
A093835 16.4108  $-2*(1+6x+4x^3)/(2x-1)/(x+1)/(1+2x^2)$  lgdogf  
A093835 3.80934 [  $\{(-2n^2-10n-12)*a(n+1)+(-n^2-4n-3)*a(n+2)+(n^2+3n+2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A093882 6.22534 [  $-x^{10}*(9x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A093907 13.1276  $-(x+2)*(x^4-3x^3+3x^2+x+2)/(x-1)/(x+1)/(x^4-x^3-2x^2+3x+1)$  lgdogf  
A093907 8.92248 [  $-2*(x^4-x^3-2x^2+3x+1)/(x+1)^2/(x-1)^3$  ogf]  
A093916 17.2800 [  $-(2x^5+3x^4+3x^3+3x^2+7x+2)/(x-1)^3/(x+1)^3$  ogf]  
A093916 17.6801  $-(7+18x+24x^3+2x^6+6x^5+19x^4+44x^2)/(x-1)/(x+1)/(2x^5+3x^4+3x^3+3x^2+7x+2)$  lgdogf  
A093917 4.82172 [  $\{(-n^3-12n^2-49n-68)*a(n+1)+(n^3+6n^2+13n+10)*a(n+3), a(0) = 2, a(1) = 15, a(2) = 30\}$ , ogf]  
A093917 6.66102  $-(15+60x+4x^7+220x^3+45x^6+100x^5+285x^4+231x^2)/(x-1)/(x+1)/(2x^6+15x^5+22x^4+42x^3+22x^2+15x+2)$  lgdogf  
A093917 6.79424 [  $(2x^6+15x^5+22x^4+42x^3+22x^2+15x+2)/(x-1)^4/(x+1)^4$  ogf]  
A093918 10.3180  $-(8+22x+24x^3+x^6+2x^5+14x^4+49x^2)/(x-1)/(x+1)/(x^2+2x+2)/(x^3-x^2+3x+1)$  lgdogf  
A093918 9.45038 [  $-(x^2+2x+2)*(x^3-x^2+3x+1)/(x-1)^3/(x+1)^3$  ogf]  
A093949 17.0204 [  $-(-4x^2+x+1)/(x^3-1)$  ogf\_with\_Euler\_transform]  
A093951 9.87860  $1/2*(2*(1+4x)^{1/2}*x^2+4*(1+4x)^{1/2}*x+(1+4x)^{1/2}-1-6x-8x^2)/x^3$  revogf  
A093953 2.82040 [  $\{a(n+3)-8a(n+2)+17a(n+1)-10a(n), a(0) = 1, a(1) = 10, a(2) = 63\}$ , ogf]  
A093953 5.74682  $-2*(x+1)*(20x^2-22x+5)/(x-1)/(2x+1)/(2x-1)/(-1+5x)$  lgdogf  
A093953 5.94847 [  $-(2x+1)/(x-1)/(2x-1)/(5x-1)$  ogf]  
A093960 12.4897 [  $(x+1)*(x-1)^2/(x^2-3x+1)$  ogf]  
A093960 15.3916  $(-2+2x+x^3-5x^2)/(x-1)/(x+1)/(x^2-3x+1)$  lgdogf  
A093960 6.62495 [  $\{a(n+4)-3a(n+3)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 11\}$ , ogf]  
A093964 20.7541  $(6+3x+x^3-4x^2)/(x-1)/(x^2-2x-1)$  lgdegf  
A093964 4.43173 [  $\{(-n^2-5n-6)*a(n+1)+(n^2+7n+12)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A093965 4.17946 [  $\{(-n^2-7n-12)*a(n+1)+(n^2+9n+20)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 21\}$ , ogf]  
A093967 10.5605 [  $x*(x^2+1)/(x^2+2x-1)^2$  ogf]  
A093967 19.8952  $-2*(2+3x+x^3)/(1+x^2)/(x^2+2x-1)$  lgdogf  
A093967 3.96782 [  $\{(n^2+5n+6)*a(n+1)+(2n^2+8n+6)*a(n+2)+(-n^2-3n-2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A093968 12.5522 [  $x*(2x^2+2x+1)/(2x^2-1)^2$  ogf]

A093968 16.4064  $-2*(1+6*x+4*x^3+6*x^2)/(2*x^2-1)/(1+2*x^2+2*x)$  lgdogf  
A093968 6.65812  $[{(2*n+6)*a(n+1)+(-n-1)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 2},$   
ogf]  
A093969 14.9233  $-2*x*(3+5*x^2-6*x)/(5*x^2-4*x+1)/(x^2+2*x-1)$  lgdogf  
A093969 4.73827  $[{a(n+4)-4*a(n+3)+2*a(n+2)+4*a(n+1)+a(n), a(0) = 0, a(1) = 1,$   
 $a(2) = 0, a(3) = 3},$  ogf]  
A093969 9.08710  $[x*(5*x^2-4*x+1)/(x^2+2*x-1)^2$  ogf]  
A093985 5.76297  $[{a(n+1)+(-2*n-6)*a(n+2)+a(n+3), a(0) = 1, a(1) = 2, a(2) = 7},$   
ogf]  
A093986 3.06476  $[{(-2-n)*a(n+1)+(2*n^2+11*n+16)*a(n+2)+(-2*n^2-17*n-34)*a(n$   
 $+3)+(n+4)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 17},$  ogf]  
A094002 11.1515  $[x^2-x-1)/(2*x-1)/(x-1)^2$  ogf]  
A094002 15.1508  $-(5-7*x+2*x^3-2*x^2)/(x-1)/(2*x-1)/(x^2-x-1)$  lgdogf  
A094002 6.01982  $[{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 5, a(2) =$   
 $14},$  ogf]  
A094012 11.3257  $-2*(2*x-1)*(10*x^2-4*x+1)/(2*x^2-4*x+1)/(1+10*x^2-6*x)$  lgdogf  
A094012 3.50985  $[{(2*n^2+10*n+12)*a(n+1)+(-4*n^2-16*n-12)*a(n+2)+(n^2+3*n+2)*a(n$   
 $+3), a(0) = 0, a(1) = 1, a(2) = 2},$  ogf]  
A094012 8.17426  $[x*(10*x^2-6*x+1)/(2*x^2-4*x+1)^2$  ogf]  
A094013 13.4478  $[ (4*x-1)/(4*x^2+4*x-1)$  ogf]  
A094013 15.2755  $1/8*(-1-4*x+(1-8*x+32*x^2)^(1/2))/(x-1)$  revogf  
A094013 17.5219  $-8*x*(2*x-1)/(4*x-1)/(4*x^2+4*x-1)$  lgdogf  
A094013 7.47099  $[{-a(n+2)+4*a(n+1)+4*a(n), a(0) = 1, a(1) = 0},$  ogf]  
A094014 14.9266  $1/4*2^(1/2)*(ln(1+2^(1/2))+arcsinh(-1+4*x))$  revegff  
A094014 14.9396  $[ (2*x-1)/(8*x^2-1)$  ogf]  
A094014 18.8778  $-2*(1-8*x+8*x^2)/(2*x-1)/(8*x^2-1)$  lgdogf  
A094014 9.57067  $[{a(n+2)-8*a(n), a(0) = 1, a(1) = -2},$  ogf]  
A094015 15.1780  $[ -(4*x+1)/(8*x^2-1)$  ogf]  
A094015 16.0333  $1/8*(-1+(1+16*x+32*x^2)^(1/2))/(1+2*x)$  revogf  
A094015 17.9196  $-4*(1+4*x+8*x^2)/(4*x+1)/(8*x^2-1)$  lgdogf  
A094015 9.72339  $[{a(n+2)-8*a(n), a(0) = 1, a(1) = 4},$  ogf]  
A094024 15.1321  $[ -(2*x+1)/(x+1)/(2*x^2-1)$  ogf]  
A094024 17.4693  $-(1+4*x+8*x^3+10*x^2)/(2*x+1)/(x+1)/(2*x^2-1)$  lgdogf  
A094024 7.16071  $[{-a(n+3)-a(n+2)+2*a(n+1)+2*a(n), a(0) = 1, a(1) = 1, a(2) = 1},$   
ogf]  
A094025 12.0289  $-(-3-8*x+12*x^3+27*x^4-12*x^2)/(x-1)/(3*x+1)/(x+1)/(3*x^2-1)$   
lgdogf  
A094025 15.0195  $[ (3*x+1)/(x-1)/(x+1)/(3*x^2-1)$  ogf]  
A094026 11.2661  $[x*(10*x+1)/(x-1)/(x+1)/(10*x^2-1)$  ogf]  
A094026 9.41279  $-2*(-5-11*x+20*x^3+150*x^4-55*x^2)/(x-1)/(10*x+1)/(x+1)/$   
 $(10*x^2-1)$  lgdogf  
A094027 6.38736  $-2*(-50-101*x+200*x^3+15000*x^4-5050*x^2)/(x-1)/(10*x+1)/(100*x$   
 $+1)/(10*x-1)/(x+1)$  lgdogf  
A094027 8.91605  $[x*(100*x+1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)$  ogf]  
A094028 10.6784  $[ 1/(100*x-1)/(x-1)$  ogf]  
A094028 13.2814  $-(-101+200*x)/(100*x-1)/(x-1)$  lgdogf  
A094028 4.48978  $[{-a(n+2)+101*a(n+1)-100*a(n), a(0) = 1, a(1) = 101},$  ogf]  
A094028 7.70322  $-1/200*(-101*x-1+(81*x+1)^(1/2)*(121*x+1)^(1/2))/x$  revogf  
A094033 14.1864  $[ -3*x^3/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A094033 16.6482  $-2*(3-11*x+9*x^2)/(x-1)/(3*x-1)/(2*x-1)$  lgdogf  
A094033 5.01982  $[{-a(n+4)+6*a(n+3)-11*a(n+2)+6*a(n+1), a(0) = 0, a(1) = 0, a(2)$   
 $= 0, a(3) = 3},$  ogf]  
A094034 5.46876  $[ -x^3*(5*x+1)*(56*x^2-11*x-1)/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/$   
 $(7*x-1)/(5*x-1)$  ogf]  
A094038 10.4802  $-2*(-1-24*x^3+12*x^4+12*x^2)/(2*x-1)/(2*x^2-1)/(2*x^2-4*x+1)$   
lgdogf  
A094038 11.2033  $[x*(2*x-1)/(2*x^2-1)/(2*x^2-4*x+1)$  ogf]  
A094039 4.83054  $[{-a(n+4)+4*a(n+3)-a(n+2)-6*a(n+1), a(0) = 0, a(1) = 1, a(2) =$   
 $2, a(3) = 6},$  ogf]  
A094039 9.73540  $[ -x*(x^2+2*x-1)/(3*x-1)/(2*x-1)/(x+1)$  ogf]  
A094039 9.88752  $-2*(1-2*x+12*x^3+3*x^4-6*x^2)/(3*x-1)/(2*x-1)/(x+1)/(x^2+2*x-1)$

lgdogf  
 A094041 8.04519 [  $(3x^8+2x^7+2x^6+2x^5+2x^4+2x^3+2x^2+2x+2)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
 A094042 6.87364 [  $(x^{10}+x^9+2x^8+2x^7+2x^6+2x^5+2x^4+2x^3+2x^2+2x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
 A094052 11.5126  $-x(6-2x^2+4x^4+9x^3-12x)/(2x-1)/(x^2+x-1)/(x^3+2x^2-x-1)$   
 lgdogf  
 A094052 9.98421 [  $-x(x^2+x-1)/(2x-1)/(x^3+2x^2-x-1)$  ogf]  
 A094075 3.68565 [  $105(x^6+120x^5+1191x^4+2416x^3+1191x^2+120x+1)/(x-1)^8$  ogf]  
 A094075 5.51991  $-2(64+1611x+8422x^3+x^6+183x^5+2682x^4+7197x^2)/(x-1)/(x^6+120x^5+1191x^4+2416x^3+1191x^2+120x+1)$  lgdogf  
 A094081 7.06800 [  $-(5x^4+160x^3+438x^2+160x+5)/(x-1)^5$  ogf]  
 A094081 9.46484 [  $-(185+1516x+340x^3+5x^4+1794x^2)/(x-1)/(5x^4+160x^3+438x^2+160x+5)$  lgdogf  
 A094085 14.4349  $-1/48-1/18x+1/144(9+336x+64x^2)^{1/2}$  revogf  
 A094085 15.8845 [  $-3(1+24x)/(8x-1)$  ogf]  
 A094085 29.5916  $-32/(24x+1)/(8x-1)$  lgdogf  
 A094085 8.26863 [  $\{a(n+2)-8a(n+1), a(0) = 3, a(1) = 96\}$ , ogf]  
 A094103 8.21606 [  $-(-1-4x+5x^8+8x^7-6x^3+9x^6+2x^5+2x^4-7x^2+4x^9)/(x-1)/(x+1)/(x^2+1)/(x^4+x^2-1)/(x^2+x+1)$  lgdogf  
 A094103 9.31413 [  $(x+1)(x^2+1)/(x-1)/(x^2+x+1)/(x^4+x^2-1)$  ogf]  
 A094125 17.0232 [  $-(13x-5)/(3x-1)/(2x-1)$  ogf]  
 A094125 17.9009  $-6(2-10x+13x^2)/(13x-5)/(3x-1)/(2x-1)$  lgdogf  
 A094125 18.7741  $-1/2(-5-5x+(25-2x+x^2)^{1/2})/(13+6x)$  revogf  
 A094125 9.43454 [  $\{a(n+2)-5a(n+1)+6a(n), a(0) = 5, a(1) = 12\}$ , ogf]  
 A094159 13.9578 [  $-3x(3x+1)/(x-1)^3$  ogf]  
 A094159 35.6442  $-6(1+x)/(3x+1)/(x-1)$  lgdogf  
 A094159 7.10350 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 18\}$ , ogf]  
 A094160 18.8707  $-(19+77x+32x^2)/(x-1)/(16x^2+15x+1)$  lgdogf  
 A094160 3.69616 [  $\{(n+3)a(n+4)+(9+14n)a(n+3)+(-76+n)a(n+2)+(-32-16n)a(n+1), a(0) = 0, a(1) = 4, a(2) = 76, a(3) = 344\}$ , ogf]  
 A094160 9.95499 [  $4x(16x^2+15x+1)/(x-1)^4$  ogf]  
 A094161 10.7254  $-(63+690x+224x^3+1023x^2)/(x-1)/(112x^3+229x^2+58x+1)$   
 lgdogf  
 A094161 8.09441 [  $-5x(112x^3+229x^2+58x+1)/(x-1)^5$  ogf]  
 A094170 10.1444  $-2(5+18x+18x^3+x^6+3x^5+12x^4+33x^2)/(x-1)/(x+1)/(x^5+x^4+4x^3+4x^2+7x+1)$  lgdogf  
 A094170 6.71414 [  $-x^2(x^5+x^4+4x^3+4x^2+7x+1)/(x+1)^2/(x-1)^5$  ogf]  
 A094187 22.1074  $1/2x(x+2)/(9x+1)^2$  revegff  
 A094187 8.92800 [  $-(8262x-179+144(1-34x)^{1/2})/(162x-1)/(-1+34x)$  lgdegf  
 A094188 10.4390 [  $-(x-1)/(x+1)/(x^2+x-1)^2$  ogf]  
 A094188 19.1767  $-2x(-3+2x^2)/(x-1)/(x+1)/(x^2+x-1)$  lgdogf  
 A094195 14.2465 [  $(4x-1)/(5x-1)/(x-1)^2$  ogf]  
 A094195 19.3958  $-(3-19x+40x^2)/(x-1)/(4x-1)/(-1+5x)$  lgdogf  
 A094195 6.74835 [  $\{a(n+3)-7a(n+2)+11a(n+1)-5a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]  
 A094196 4.47066 [  $(4x^{12}+4x^{11}+3x^{10}+x^9+3x^8+4x^7-35x^6-32x^5-19x^4-5x^3-11x^2-8x-1)/(x-1)/(x^{12}-10x^6+1)$  ogf]  
 A094200 6.83664 [  $-(3x^4+92x^3+194x^2+92x+3)/(x-1)^5$  ogf]  
 A094200 9.47654 [  $-(107+756x+196x^3+3x^4+858x^2)/(x-1)/(3x^4+92x^3+194x^2+92x+3)$  lgdogf  
 A094201 5.87259 [  $(37x^4+206x^3+198x^2+38x+1)/(x-1)^6$  ogf]  
 A094201 8.55137  $-2(22+293x+383x^3+37x^4+705x^2)/(x-1)/(37x^4+206x^3+198x^2+38x+1)$  lgdogf  
 A094211 4.77891 [  $(10569x^3-4293x^2-69x+1)/(128x-1)/(x^3+289x^2-57x-1)$  ogf]  
 A094213 3.52029 [  $-(1547833x^4+3035380x^3-91731x^2-263x+1)/(512x-1)/(x+1)/(x^3-13605x^2+246x+1)$  ogf]

A094218 3.41598 [  $\{(-4n^2-22n-30)a(n+1)+(-31n^2-267n-602)a(n+2)+(8n^2+64n)a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$ , ogf]  
A094219 3.88396 [  $\{(-4n^2-30n-50)a(n+1)+(n^2+6n-16)a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 7\}$ , ogf]  
A094233 7.80162  $-2x(2+x^7+4x^6-6x^5-12x^4+12x^3-4x)/(x-1)/(2x-1)/(x+1)/(x^3-3x^2+1)/(x^3+3x^2-1)$  lgdogf  
A094233 8.05329 [  $-(x-1)(x^3+3x^2-1)/(2x-1)/(x+1)/(x^3-3x^2+1)$  ogf]  
A094247 10.0640 [  $-(2x^9+x^8+x^6+x^2+1)/(-x^{10}+1)$  ogf\_with\_Euler\_transform]  
A094248 10.2889 [  $-(5x^2+7x+1)/(5x^3+2x^2-1)$  ogf]  
A094248 6.23901 [  $\{-a(n+3)+2a(n+1)+5a(n), a(0) = 1, a(1) = 7, a(2) = 7\}$ , ogf]  
A094248 9.55231  $-(7+14x+70x^3+25x^4+29x^2)/(5x^2+7x+1)/(5x^3+2x^2-1)$  lgdogf  
A094253 4.32746 [  $\{-a(n+4)+4a(n+3)+4a(n+2)-8a(n+1), a(0) = 1, a(1) = 8, a(2) = 20, a(3) = 120\}$ , ogf]  
A094253 8.05412  $8(1-3x-24x^3+8x^4+13x^2)/(8x^3-4x^2-4x+1)/(16x^3-16x^2+4x+1)$  lgdogf  
A094253 8.22827 [  $(16x^3-16x^2+4x+1)/(8x^3-4x^2-4x+1)$  ogf]  
A094254 4.99614 [  $\{a(n+4)-6a(n+3)+8a(n+1), a(0) = 1, a(1) = 2, a(2) = 20, a(3) = 128\}$ , ogf]  
A094254 8.54283  $-2(2x+1)(16x^3+24x^2-6x-1)/(8x^3-6x+1)/(16x^3+8x^2-4x+1)$  lgdogf  
A094254 9.42819 [  $(16x^3+8x^2-4x+1)/(8x^3-6x+1)$  ogf]  
A094256 13.5912  $-(-7+30x+4x^3-30x^2)/(x-1)/(x^3-9x^2+6x-1)$  lgdogf  
A094256 15.0767 [  $1/(x-1)/(x^3-9x^2+6x-1)$  ogf]  
A094257 4.03580 [  $\{-a(n+4)+21a(n+3)-35a(n+2)+7a(n+1), a(0) = 1, a(1) = 7, a(2) = 175, a(3) = 3423\}$ , ogf]  
A094257 7.13822  $-7(-1-8x-56x^3+7x^4+122x^2)/(7x^3-35x^2+21x-1)/(14x^3-63x^2+14x-1)$  lgdogf  
A094257 7.58076 [  $(14x^3-63x^2+14x-1)/(7x^3-35x^2+21x-1)$  ogf]  
A094258 16.8497 [  $(x^2-x+1)/(x-1)^2$  egf]  
A094258 4.53316 [  $\{(-n^2-n)a(n)+(2n^2+9n+6)a(n+1)+(-n^2-9n-15)a(n+2)+(n+3)a(n+3), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A094258 40.0145  $-(1+x)/(x-1)/(x^2-x+1)$  lgdegf  
A094259 14.1835 [  $(5x-1)/(6x-1)/(x-1)^2$  ogf]  
A094259 19.3128  $-(3-23x+60x^2)/(x-1)/(6x-1)/(-1+5x)$  lgdogf  
A094259 6.71851 [  $\{a(n+3)-8a(n+2)+13a(n+1)-6a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]  
A094260 7.46260  $-2(5+5x+15x^8+4x^7-4x^3+250x^6-6x^5+516x^4+174x^2+x^9)/(x-1)/(1+x)/(x^2+1)/(x^6+10x^5-x^4+76x^3-x^2+10x+1)$  lgdogf  
A094260 7.46585 [  $-(x^2+1)(x^6+10x^5-x^4+76x^3-x^2+10x+1)/(x-1)^5/(x+1)^5$  ogf]  
A094266 7.47753 [  $-(x+1)(x^{10}-2x^9+3x^8+x^5-3x^4+1)/(2x^4-1)/(2x^8-2x^4+1)$  ogf]  
A094283 11.7856 [  $-(3x+1)(5x^2+1)/(2x-1)$  ogf]  
A094283 12.7133  $5(-1-2x+12x^3-7x^2)/(2x-1)/(3x+1)/(5x^2+1)$  lgdogf  
A094283 6.49408 [  $\{a(n+4)-2a(n+3), a(0) = 1, a(1) = 5, a(2) = 15, a(3) = 45\}$ , ogf]  
A094284 21.2749 [  $(x^3+2x-5)/(x-1)$  ogf]  
A094284 28.4506  $(3+2x^3-3x^2)/(x-1)/(x^3+2x-5)$  lgdogf  
A094284 9.97259 [  $\{a(n+4)-a(n+3), a(0) = 5, a(1) = 3, a(2) = 3, a(3) = 2\}$ , ogf]  
A094286 8.15962  $-(2-12x-2x^3+12x^6-18x^4+21x^2)/(x-1)/(2x-1)/(2x^2+2x-1)/(3x^3-3x+1)$  lgdogf  
A094286 9.41709 [  $-(3x^3-3x+1)/(2x-1)/(x-1)/(2x^2+2x-1)$  ogf]  
A094287 6.40305 [  $-(x^5+2x^4-5x^3-2x^2+4x-1)/(x^3+3x^2-4x+1)/(x^3-x^2-2x+1)$  ogf]  
A094288 5.14261 [  $-(x^6-2x^5-7x^4+6x^3+5x^2-5x+1)/(x-1)/(x^2+2x-1)/(x^4-4x^3-2x^2+4x-1)$  ogf]  
A094292 11.4456  $-(-3+6x-8x^3+3x^4+3x^2)/(x-1)/(x^2-3x+1)/(x^2+x-1)$  lgdogf  
A094292 4.73827 [  $\{-a(n+4)+4a(n+3)-3a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3\}$ , ogf]  
A094292 9.61388 [  $x^2(x-1)/(x^2-3x+1)/(x^2+x-1)$  ogf]

A094294 3.49462 [  $\{(2^n n^2 + 12n + 18)a(n+1) + (-3n^2 - 23n - 42)a(n+2) + (n^2 + 12n + 29)a(n+3) + (-n-4)a(n+4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 18\}$ , ogf]  
A094297 10.1002  $-(3-10x+8x^3+12x^4+2x^2)/(2x-1)/(3x^2+x-1)/(2x^2+2x-1)$  lgdogf  
A094297 10.4819 [  $-(3x^2+x-1)/(2x-1)/(2x^2+2x-1)$  ogf]  
A094297 5.70887 [  $\{a(n+3)-4a(n+2)+2a(n+1)+4a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$ , ogf]  
A094304 3.97048 [  $\{n^2 a(n) + (-2n^2 - 7n - 3)a(n+1) + (n^2 + 8n + 12)a(n+2) + (-n-3)a(n+3), a(0) = 1, a(1) = 0, a(2) = 1\}$ , ogf]  
A094306 11.7415 [  $-(x-1)/(2x-1)/(2x^2+2x-1)$  ogf]  
A094306 12.4340  $-(3-4x+8x^3-10x^2)/(x-1)/(2x-1)/(2x^2+2x-1)$  lgdogf  
A094306 5.50705 [  $\{-a(n+3)+4a(n+2)-2a(n+1)-4a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]  
A094309 15.5753 [  $1/(2x-1)/(2x^2+2x-1)$  ogf]  
A094309 16.9069  $-4*(-1+x+3x^2)/(2x-1)/(2x^2+2x-1)$  lgdogf  
A094309 5.65122 [  $\{-a(n+3)+4a(n+2)-2a(n+1)-4a(n), a(0) = 1, a(1) = 4, a(2) = 14\}$ , ogf]  
A094311 4.82932 [  $(x^6+12x^5+78x^4+133x^3+78x^2+12x+1)/(x-1)^8$  ogf]  
A094311 7.10665  $-(20+240x+977x^3+2x^6+42x^5+372x^4+867x^2)/(x-1)/(x^6+12x^5+78x^4+133x^3+78x^2+12x+1)$  lgdogf  
A094323 13.2272  $-(63+287x+21x^3+205x^2)/(x-1)/(7x^3+46x^2+39x+4)$  lgdogf  
A094323 7.10365 [  $x*(7x^3+46x^2+39x+4)/(x-1)^6$  ogf]  
A094324 11.1317  $(101-178x-2x^3+20x^5-22x^4+86x^2)/(x-1)/(5x^5+x^4+x^3+89x^2+11010x-11111)$  lgdogf  
A094324 11.7934 [  $(5x^5+x^4+x^3+89x^2+11010x-11111)/(x-1)$  ogf]  
A094325 10.4289 [  $(4x^6+x^5+x^4+8x^3+90x^2+111001x-111111)/(x-1)$  ogf]  
A094325 9.67281  $2*(55-90x+6x^3+10x^6-10x^5-x^4+33x^2)/(x-1)/(4x^6+x^5+x^4+8x^3+90x^2+111001x-111111)$  lgdogf  
A094326 7.40533  $2*(500-978x+7x^8-5x^7-12x^3-x^6-x^5+8x^4+486x^2)/(x-1)/(2x^8+x^7+x^6+x^5+7x^4+2x^3+978x^2+11110111x-11111111)$  lgdogf  
A094326 8.31819 [  $(2x^8+x^7+x^6+x^5+7x^4+2x^3+978x^2+11110111x-11111111)/(x-1)$  ogf]  
A094327 7.57468 [  $(x^9+x^8+x^7+x^6+x^5+7x^4+79x^3+901x^2+111110110x-111111111)/(x-1)$  ogf]  
A094328 15.2507 [  $-(6x^4+9x^3+7x^2+5x+4)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A094328 9.09045  $-(5+14x+6x^8+18x^7+24x^3+21x^6+20x^5+20x^4+27x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(6x^4+9x^3+7x^2+5x+4)$  lgdogf  
A094347 11.6845 [  $-2*(13x-1)/(x^2-14x+1)$  ogf]  
A094347 14.1476  $-(-1-7x+(1-12x+48x^2)^{1/2})/(26+x)$  revogf  
A094347 14.5300  $-(1-2x+13x^2)/(13x-1)/(x^2-14x+1)$  lgdogf  
A094347 6.61651 [  $\{a(n+2)-14a(n+1)+a(n), a(0) = 2, a(1) = 2\}$ , ogf]  
A094359 12.8681 [  $-x*(3x+1)/(2x+1)/(2x-1)/(x+1)$  ogf]  
A094359 13.3871  $-2*(1+4x+12x^3+12x^2)/(2x+1)/(2x-1)/(3x+1)/(x+1)$  lgdogf  
A094359 6.60795 [  $\{-a(n+3)-a(n+2)+4a(n+1)+4a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A094360 10.3972  $-(2+18x+24x^3+20x^4+29x^2)/(2x+1)/(2x-1)/(x+1)/(5x^2+3x+1)$  lgdogf  
A094360 11.4767 [  $-(5x^2+3x+1)/(2x+1)/(2x-1)/(x+1)$  ogf]  
A094360 6.25071 [  $\{-a(n+3)-a(n+2)+4a(n+1)+4a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
A094361 11.2637 [  $\{-a(n+2)+4a(n), a(0) = 4, a(1) = 1\}$ , ogf]  
A094361 11.7835  $-1/2*\operatorname{arcsinh}(1/21*7^{1/2})+1/2*\operatorname{arcsinh}(1/21*7^{1/2}*(1+4x))$  revegf  
A094361 17.5823 [  $-(x+4)/(2x-1)/(2x+1)$  ogf]  
A094361 19.1084  $-(1+32x+4x^2)/(x+4)/(2x+1)/(2x-1)$  lgdogf  
A094364 11.0967 [  $(5x-1)/(100x^2+10x-1)$  ogf]  
A094364 11.3328  $-5*(-1-40x+100x^2)/(-1+5x)/(100x^2+10x-1)$  lgdogf  
A094364 6.26639 [  $\{-a(n+2)+10a(n+1)+100a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A094373 15.1605 [  $-(x^2+x-1)/(2x-1)/(x-1)$  ogf]  
A094373 20.7707  $-(2-6x+5x^2)/(x-1)/(2x-1)/(x^2+x-1)$  lgdogf  
A094373 7.87754 [  $\{a(n+3)-3a(n+2)+2a(n+1), a(0) = 1, a(1) = 2, a(2) = 3\}$ , ogf]



A094374 10.5153  $-(3-20*x-36*x^3+6*x^4+45*x^2)/(x-1)/(3*x-1)/(2*x-1)/(x^2-3*x+1)$   
lgdogf  
A094374 12.7088  $[-(x^2-3*x+1)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A094374 6.97299  $[{a(n+3)-6*a(n+2)+11*a(n+1)-6*a(n), a(0) = 1, a(1) = 3, a(2) = 8},$  ogf]  
A094375 10.0890  $[-(5*x^2-5*x+1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A094375 5.52704  $[{a(n+3)-9*a(n+2)+26*a(n+1)-24*a(n), a(0) = 1, a(1) = 4, a(2) = 15},$  ogf]  
A094375 8.77321  $-(4-42*x-240*x^3+120*x^4+157*x^2)/(4*x-1)/(3*x-1)/(2*x-1)/$   
 $(5*x^2-5*x+1)$  lgdogf  
A094388 12.4371  $[-(x^2+2*x-1)/(3*x-1)/(x-1)$  ogf]  
A094388 15.3806  $-2*(1-4*x+5*x^2)/(x-1)/(3*x-1)/(x^2+2*x-1)$  lgdogf  
A094388 6.46243  $[{-a(n+3)+4*a(n+2)-3*a(n+1), a(0) = 1, a(1) = 2, a(2) = 4},$  ogf]  
A094389 10.2195  $[(2*x^9+2*x^8-4*x^7+4*x^6-4*x^5+4*x^4-4*x^3-4*x^2-1)/(x-1)$  ogf]  
A094389 8.17376  $(1+8*x-4*x^8-40*x^7-24*x^3+48*x^6-40*x^5+32*x^4+8*x^2+16*x^9)/$   
 $(x-1)/(2*x^9+2*x^8-4*x^7+4*x^6-4*x^5+4*x^4-4*x^3-4*x^2-1)$  lgdogf  
A094421 19.0032  $-2*(37+34*x+x^2)/(x-1)/(x^2+22*x+13)$  lgdogf  
A094421 9.83407  $[(x^2+22*x+13)/(x-1)^4$  ogf]  
A094423 10.6219  $[-(5*x+1)/(5*x-1)/(25*x^2+6*x+1)$  ogf]  
A094423 5.12462  $[{a(n+3)+a(n+2)-5*a(n+1)-125*a(n), a(0) = 1, a(1) = 4, a(2) = 1},$  ogf]  
A094423 9.85935  $-2*(2+5*x+625*x^3+200*x^2)/(5*x+1)/(-1+5*x)/(25*x^2+6*x+1)$   
lgdogf  
A094428 11.4377  $[-(2*x^11-x^6+x^5-x^4)/(-x^12+1)$  ogf\_with\_Euler\_transform]  
A094429 10.6499  $[7*x*(x-1)/(7*x^3-14*x^2+7*x-1)$  ogf]  
A094429 11.9272  $-(-6+28*x+14*x^3-35*x^2)/(x-1)/(7*x^3-14*x^2+7*x-1)$  lgdogf  
A094429 5.46630  $[{-a(n+3)+7*a(n+2)-14*a(n+1)+7*a(n), a(0) = 0, a(1) = 7, a(2) = 42},$  ogf]  
A094430 14.6456  $[-7/(7*x^3-14*x^2+7*x-1)$  ogf]  
A094430 16.2906  $-7*(3*x-1)*(x-1)/(7*x^3-14*x^2+7*x-1)$  lgdogf  
A094430 5.30273  $[{a(n+3)-7*a(n+2)+14*a(n+1)-7*a(n), a(0) = 7, a(1) = 49, a(2) = 245},$  ogf]  
A094431 12.8546  $[-(6*x-1)/(9*x^2-8*x+1)$  ogf]  
A094431 13.4829  $-1/6*(-1-8*x+(1-8*x+28*x^2)^(1/2))/(2+3*x)$  revogf  
A094431 14.5200  $-2*(1-9*x+27*x^2)/(6*x-1)/(9*x^2-8*x+1)$  lgdogf  
A094431 7.05438  $[{a(n+2)-8*a(n+1)+9*a(n), a(0) = 1, a(1) = 2},$  ogf]  
A094432 13.4635  $-1/18*(-8*x-3+(14*x+3)^(1/2))*(2*x+3)^(1/2)/x$  revogf  
A094432 16.6214  $[3*x/(9*x^2-8*x+1)$  ogf]  
A094432 24.2344  $-2*(-4+9*x)/(9*x^2-8*x+1)$  lgdogf  
A094432 7.59251  $[{a(n+2)-8*a(n+1)+9*a(n), a(0) = 0, a(1) = 3},$  ogf]  
A094433 13.6568  $[-(4*x-1)/(6*x^2-6*x+1)$  ogf]  
A094433 14.3337  $-1/4*(-1-6*x+(1-4*x+12*x^2)^(1/2))/(2+3*x)$  revogf  
A094433 15.4363  $-2*(1-6*x+12*x^2)/(4*x-1)/(6*x^2-6*x+1)$  lgdogf  
A094433 7.49459  $[{a(n+2)-6*a(n+1)+6*a(n), a(0) = 1, a(1) = 2},$  ogf]  
A094434 17.1181  $[2*x/(6*x^2-6*x+1)$  ogf]  
A094434 17.8275  $-1/6*(-1-3*x+(1+6*x+3*x^2)^(1/2))/x$  revogf  
A094434 25.9984  $-6*(2*x-1)/(6*x^2-6*x+1)$  lgdogf  
A094434 7.81937  $[{a(n+2)-6*a(n+1)+6*a(n), a(0) = 0, a(1) = 2},$  ogf]  
A094506 10.8853  $-4*(-123+704*x+3072*x^2)/(96*x+11)/(4*x-1)/(32*x-1)$  lgdogf  
A094506 11.0977  $[4*(96*x+11)/(32*x-1)/(4*x-1)$  ogf]  
A094506 12.0685  $-1/64*(-11-9*x+(121+294*x+49*x^2)^(1/2))/(x-3)$  revogf  
A094506 6.35935  $[{-a(n+2)+36*a(n+1)-128*a(n), a(0) = 44, a(1) = 1968},$  ogf]  
A094539 3.95577  $[-x^2*(281*x^12-1132*x^10-699*x^8-172*x^6-208*x^4+122*x^2+61)/$   
 $(3*x-1)/(3677*x^12-183*x^8-574*x^4+61)$  ogf]  
A094554 4.83054  $[{-a(n+4)+2*a(n+3)+5*a(n+2)-6*a(n+1), a(0) = 1, a(1) = 0, a(2) = 3, a(3) = 2},$  ogf]  
A094554 9.17103  $[(2*x^3-2*x^2-2*x+1)/(x-1)/(3*x-1)/(2*x+1)$  ogf]  
A094554 9.88752  $2*x*(3+8*x^2+x^3-9*x)/(x-1)/(3*x-1)/(2*x+1)/(2*x^3-2*x^2-2*x+1)$   
lgdogf  
A094555 10.5092  $[-x*(x^2+x-1)/(x-1)/(3*x-1)/(2*x+1)$  ogf]  
A094555 11.2184  $-(1+8*x+12*x^3+6*x^4-21*x^2)/(x-1)/(3*x-1)/(2*x+1)/(x^2+x-1)$

lgdogf  
 A094555 5.21451 [  $\{-a(n+4)+2*a(n+3)+5*a(n+2)-6*a(n+1), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 6\}$ , ogf]  
 A094556 10.4067 [  $x*(2*x^2-2*x+1)/(x-1)/(3*x-1)/(2*x+1)$  ogf]  
 A094556 10.6313  $-2*x*(-7-12*x^2+6*x^3+16*x)/(x-1)/(3*x-1)/(2*x+1)/(2*x^2-2*x+1)$   
 lgdogf  
 A094556 5.20336 [  $\{-a(n+4)+2*a(n+3)+5*a(n+2)-6*a(n+1), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 7\}$ , ogf]  
 A094567 13.1223 [  $-(2*x-1)/(x+1)/(x^2-7*x+1)$  ogf]  
 A094567 16.2648  $-(4*x+1)*(x-2)^2/(2*x-1)/(x+1)/(x^2-7*x+1)$  lgdogf  
 A094567 6.15473 [  $\{-a(n+3)+6*a(n+2)+6*a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 30\}$ , ogf]  
 A094569 13.6472 [  $-(x-2)/(x+1)/(x^2-7*x+1)$  ogf]  
 A094569 6.34476 [  $\{-a(n+3)+6*a(n+2)+6*a(n+1)-a(n), a(0) = 2, a(1) = 11, a(2) = 78\}$ , ogf]  
 A094569 6.51084  $-(11+24*x+2*x^3-12*x^2)/(x-2)/(x+1)/(x^2-7*x+1)$  lgdogf  
 A094584 11.4990 [  $-(2*x+1)/(x-1)/(x^2+x-1)^2$  ogf]  
 A094584 15.4803  $-(-5-3*x+8*x^3+3*x^2)/(x-1)/(2*x+1)/(x^2+x-1)$  lgdogf  
 A094586 10.5786  $-(2*x-1)*(x^4-2*x^3-x^2+2*x+5)/(x^2-3*x+1)/(x^2+x-1)/(x^2-x-1)$   
 lgdogf  
 A094586 9.69646 [  $(x^2-x-1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
 A094588 16.4538  $-(-3-x+4*x^3-3*x^2)/(x-1)/(2*x+1)/(x^2+x-1)$  lgdogf  
 A094588 9.83810 [  $-x*(2*x+1)*(x-1)/(x^2+x-1)^2$  ogf]  
 A094616 9.15794 [  $-(4*x^2-x-1)/(3*x-1)/(2*x-1)/(x-1)^2$  ogf]  
 A094616 9.51251  $-2*(-4+17*x-19*x^3+24*x^4-14*x^2)/(x-1)/(3*x-1)/(2*x-1)/(4*x^2-x-1)$  lgdogf  
 A094618 8.84059 [  $(7*x^2-7*x+2)/(3*x-1)/(2*x-1)/(x-1)^2$  ogf]  
 A094618 9.04127  $-(7-47*x-161*x^3+84*x^4+125*x^2)/(x-1)/(3*x-1)/(2*x-1)/(7*x^2-7*x+2)$  lgdogf  
 A094620 11.0084 [  $x*(20*x^2+22*x+11)/(x-1)/(x+1)/(10*x^2-1)$  ogf]  
 A094620 7.05823  $-2*(-11-141*x+220*x^3+200*x^5+330*x^4-121*x^2)/(x-1)/(x+1)/(10*x^2-1)/(20*x^2+22*x+11)$  lgdogf  
 A094621 7.22628  $-(-13-282*x+440*x^3+400*x^5+390*x^4-143*x^2)/(x-1)/(x+1)/(10*x^2-1)/(20*x^2+13*x+11)$  lgdogf  
 A094621 9.34155 [  $x*(20*x^2+13*x+11)/(x-1)/(x+1)/(10*x^2-1)$  ogf]  
 A094622 10.1072 [  $x*(20*x+11)/(x-1)/(10*x^2-1)$  ogf]  
 A094622 11.0365  $-(-31-220*x+400*x^3+130*x^2)/(20*x+11)/(x-1)/(10*x^2-1)$  lgdogf  
 A094622 5.36123 [  $\{-a(n+3)+a(n+2)+10*a(n+1)-10*a(n), a(0) = 0, a(1) = 11, a(2) = 31\}$ , ogf]  
 A094623 10.5150 [  $x*(10*x+1)/(x-1)/(10*x^2-1)$  ogf]  
 A094623 11.9470  $-(-11-20*x+200*x^3-70*x^2)/(x-1)/(10*x+1)/(10*x^2-1)$  lgdogf  
 A094623 5.53421 [  $\{a(n+3)-a(n+2)-10*a(n+1)+10*a(n), a(0) = 0, a(1) = 1, a(2) = 11\}$ , ogf]  
 A094624 11.5869 [  $x*(x^2+11*x+1)/(x-1)/(x+1)/(10*x^2-1)$  ogf]  
 A094624 8.06810  $-(-11-24*x+40*x^3+20*x^5+330*x^4-121*x^2)/(x-1)/(x+1)/(x^2+11*x+1)/(10*x^2-1)$  lgdogf  
 A094625 7.48487  $-2*(-11-33*x+40*x^3+110*x^5+330*x^4-121*x^2)/(x-1)/(x+1)/(10*x^2-1)/(11*x^2+22*x+2)$  lgdogf  
 A094625 9.70615 [  $x*(11*x^2+22*x+2)/(x-1)/(x+1)/(10*x^2-1)$  ogf]  
 A094626 12.8205 [  $x*(x+1)/(x-1)/(10*x^2-1)$  ogf]  
 A094626 12.9659  $-2*(-1-10*x+10*x^3+10*x^2)/(10*x^2-1)/(x-1)/(x+1)$  lgdogf  
 A094626 6.69388 [  $\{-a(n+3)+a(n+2)+10*a(n+1)-10*a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
 A094627 10.0654 [  $(x+1)^2/(x-1)/(10*x^2-1)$  ogf]  
 A094627 13.2180  $-(-3-19*x+10*x^3+30*x^2)/(10*x^2-1)/(x-1)/(x+1)$  lgdogf  
 A094627 5.51408 [  $\{-a(n+3)+a(n+2)+10*a(n+1)-10*a(n), a(0) = 1, a(1) = 3, a(2) = 14\}$ , ogf]  
 A094628 14.4121 [  $-(13*x+4)/(10*x^2-1)$  ogf]  
 A094628 15.9739  $(-2+((5*x+4)*(1+2*x))^(1/2))/(13+10*x)$  revogf  
 A094628 15.9739  $-(13+80*x+130*x^2)/(13*x+4)/(10*x^2-1)$  lgdogf  
 A094628 9.38970 [  $\{a(n+2)-10*a(n), a(0) = 4, a(1) = 13\}$ , ogf]

A094629 14.4121 [  $-(11*x+2)/(10*x^2-1)$  ogf]  
A094629 15.9739  $-(11+40*x+110*x^2)/(11*x+2)/(10*x^2-1)$  lgdogf  
A094629 16.4056  $(-1+((x+1)*(1+10*x))^{1/2})/(11+10*x)$  revogf  
A094629 9.38970 [  $\{a(n+2)-10*a(n), a(0) = 2, a(1) = 11\}$ , ogf]  
A094632 8.56062 [  $-(x^3+4*x^2+x-1)/(4*x^2+2*x-1)/(x^2-x-1)$  ogf]  
A094632 8.89425  $-x*(6-18*x^2+4*x^5+32*x^4+11*x^3)/(4*x^2+2*x-1)/(x^2-x-1)/(x^3+4*x^2+x-1)$  lgdogf  
A094633 9.26231  $-(1+16*x-36*x^3+48*x^5+11*x^2)/(3*x+2)/(2*x-1)/(x^2-x-1)/(4*x^2+2*x-1)$  lgdogf  
A094633 9.58542 [  $-(3*x+2)*(2*x-1)/(4*x^2+2*x-1)/(x^2-x-1)$  ogf]  
A094648 11.5040 [  $(2*x^2-2*x-3)/(x^3+2*x^2-x-1)$  ogf]  
A094648 13.1156  $-(1-8*x-4*x^3+2*x^4-11*x^2)/(2*x^2-2*x-3)/(x^3+2*x^2-x-1)$  lgdogf  
A094648 6.26559 [  $\{-a(n+3)-a(n+2)+2*a(n+1)+a(n), a(0) = 3, a(1) = -1, a(2) = 5\}$ , ogf]  
A094649 8.66720  $(-(-1-12*x+8*x^3+2*x^6-12*x^5-15*x^4+21*x^2)/(x-1)/(2*x^3-6*x^2-3*x+4)/(x^3+3*x^2-1))$  lgdogf  
A094649 9.52575 [  $(2*x^3-6*x^2-3*x+4)/(x-1)/(x^3+3*x^2-1)$  ogf]  
A094650 6.71205  $(-1-16*x+3*x^8-12*x^7+36*x^3-45*x^6-32*x^5+64*x^4-31*x^2)/(3*x^4-6*x^3-12*x^2+4*x+5)/(x^5+3*x^4-3*x^3-4*x^2+x+1)$  lgdogf  
A094650 7.55098 [  $(3*x^4-6*x^3-12*x^2+4*x+5)/(x^5+3*x^4-3*x^3-4*x^2+x+1)$  ogf]  
A094659 9.46555 [  $(x^3-2*x^2-x+1)/(2*x-1)/(x^3+2*x^2-x-1)$  ogf]  
A094659 9.67055  $-2*x*(-2+2*x^2+x^5-4*x^4-4*x^3+4*x)/(2*x-1)/(x^3-2*x^2-x+1)/(x^3+2*x^2-x-1)$  lgdogf  
A094667 7.46842  $-2*(-2+18*x+90*x^3+15*x^5-60*x^4-60*x^2)/(x-1)/(3*x-1)/(x^2-3*x+1)/(5*x^2-5*x+1)$  lgdogf  
A094667 8.59417 [  $(3*x-1)*(x-1)/(x^2-3*x+1)/(5*x^2-5*x+1)$  ogf]  
A094686 17.2148 [  $-1/(x^2+x+1)/(x^2+x-1)$  ogf]  
A094686 20.0947  $-2*x*(x+1)*(2*x+1)/(x^2+x+1)/(x^2+x-1)$  lgdogf  
A094687 13.4583 [  $x^2/(2*x-1)/(x+1)/(x^2+x-1)$  ogf]  
A094687 15.6954  $(-2-4*x+8*x^3+9*x^2)/(2*x-1)/(x+1)/(x^2+x-1)$  lgdogf  
A094688 16.4792 [  $x/(3*x-1)/(x^2+x-1)$  ogf]  
A094688 20.1745  $(-4+4*x+9*x^2)/(3*x-1)/(x^2+x-1)$  lgdogf  
A094688 6.08691 [  $\{a(n+3)-4*a(n+2)+2*a(n+1)+3*a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A094703 12.6370  $1/6*(-1-8*x+(1+28*x+148*x^2)^{1/2})/(1+7*x)$  revogf  
A094703 13.5847  $(-11+42*x+63*x^2)/(3*x+1)/(21*x^2+8*x-1)$  lgdogf  
A094703 15.1740 [  $-(3*x+1)/(21*x^2+8*x-1)$  ogf]  
A094703 8.30958 [  $\{a(n+2)-8*a(n+1)-21*a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
A094704 13.2157 [  $x/(10*x-1)/(x^2+x-1)$  ogf]  
A094704 15.1201  $(-11+18*x+30*x^2)/(10*x-1)/(x^2+x-1)$  lgdogf  
A094704 4.98489 [  $\{a(n+3)-11*a(n+2)+9*a(n+1)+10*a(n), a(0) = 0, a(1) = 1, a(2) = 11\}$ , ogf]  
A094705 16.7308  $-2*(-2+x+9*x^2)/(3*x-1)/(2*x-1)/(x+1)$  lgdogf  
A094705 17.6596 [  $x/(3*x-1)/(2*x-1)/(x+1)$  ogf]  
A094705 7.15931 [  $\{a(n+3)-4*a(n+2)+a(n+1)+6*a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A094706 15.6392 [  $x/(2*x-1)/(x^2+2*x-1)$  ogf]  
A094706 18.7477  $-2*(-2+3*x+3*x^2)/(2*x-1)/(x^2+2*x-1)$  lgdogf  
A094706 6.34023 [  $\{a(n+3)-4*a(n+2)+3*a(n+1)+2*a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A094707 10.6141 [  $x^2*(x+1)/(x-1)/(x^4+x^2-1)$  ogf]  
A094707 15.8725  $-2*(-1-x-x^3+2*x^5+x^4+x^2)/(x-1)/(x+1)/(x^4+x^2-1)$  lgdogf  
A094715 7.25151  $x*(2+3*x^7-8*x^6-8*x^2-26*x^5+6*x^4+24*x^3+3*x)/(2*x-1)/(x^2-x+1)/(3*x^2+3*x+1)/(x^5-x^4+x^3+2*x^2-1)$  lgdogf  
A094715 7.98998 [  $(x^5-x^4+x^3+2*x^2-1)/(2*x-1)/(x^2-x+1)/(3*x^2+3*x+1)$  ogf]  
A094717 6.12887 [  $-(2*x^5-2*x^4+5*x^3-8*x^2+5*x-1)/(3*x-1)/(x-1)/(x^2+x+1)/(3*x^2-3*x+1)$  ogf]  
A094723 11.5923 [  $-(x^2+x-1)/(2*x-1)/(x^2+2*x-1)$  ogf]  
A094723 12.8456  $(-3-8*x+4*x^3+2*x^4+x^2)/(2*x-1)/(x^2+x-1)/(x^2+2*x-1)$  lgdogf  
A094723 6.31369 [  $\{a(n+3)-4*a(n+2)+3*a(n+1)+2*a(n), a(0) = 1, a(1) = 3, a(2) = 8\}$ , ogf]

A094726 13.6568 [  $-(3*x+1)/(9*x^2+2*x-1)$  ogf]  
A094726 14.3337  $1/6*(-1-2*x+(1+16*x+40*x^2)^{(1/2)})/(3*x+1)$  revogf  
A094726 15.8425  $-(5+18*x+27*x^2)/(3*x+1)/(9*x^2+2*x-1)$  lgdogf  
A094726 7.49459 [  $\{a(n+2)-2*a(n+1)-9*a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A094729 11.0908 [  $-x*(12*x^2-5*x+1)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A094729 5.62940 [  $\{-a(n+4)+6*a(n+3)-11*a(n+2)+6*a(n+1), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 7\}$ , ogf]  
A094729 9.92945  $-(1+2*x-60*x^3+72*x^4+x^2)/(x-1)/(3*x-1)/(2*x-1)/(12*x^2-5*x+1)$  lgdogf  
A094730 4.57789 [  $-x*(5040*x^5-2686*x^4+843*x^3-193*x^2+21*x-1)/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A094734 11.6835 [  $-x*(9*x^2-5*x+1)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A094734 11.7078  $-(1-4*x-60*x^3+54*x^4+19*x^2)/(x-1)/(3*x-1)/(2*x-1)/(9*x^2-5*x+1)$  lgdogf  
A094734 5.84176 [  $\{a(n+4)-6*a(n+3)+11*a(n+2)-6*a(n+1), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 4\}$ , ogf]  
A094735 5.21819 [  $-x*(1960*x^5-1695*x^4+731*x^3-176*x^2+21*x-1)/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A094759 12.1088  $2*(1-297*x^26+891*x^27-891*x^28+297*x^29)/(x-1)/(22*x^29-44*x^28+22*x^27-1)$  lgdogf  
A094759 13.0335 [  $-(22*x^29-44*x^28+22*x^27-1)/(x-1)^2$  ogf]  
A094766 10.4486  $(15-6*x+64*x^3+12*x^5-46*x^4-33*x^2)/(x-1)/(6*x^5-16*x^4+16*x^3-15*x^2+18*x-11)$  lgdogf  
A094766 9.34538 [  $(6*x^5-16*x^4+16*x^3-15*x^2+18*x-11)/(x-1)^3$  ogf]  
A094788 10.2908 [  $-(2*x-1)/(x^2-3*x+1)/(5*x^2-5*x+1)$  ogf]  
A094788 9.63045  $-2*(3*x-1)*(5*x^3-15*x^2+12*x-3)/(2*x-1)/(x^2-3*x+1)/(5*x^2-5*x+1)$  lgdogf  
A094789 11.9645 [  $(x-1)/(x^3-6*x^2+5*x-1)$  ogf]  
A094789 15.5311  $-(2*x-1)*(x-2)^2/(x-1)/(x^3-6*x^2+5*x-1)$  lgdogf  
A094789 5.61167 [  $\{-a(n+3)+5*a(n+2)-6*a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 14\}$ , ogf]  
A094790 11.7216 [  $(2*x-1)/(x^3-6*x^2+5*x-1)$  ogf]  
A094790 12.4157  $-(3+12*x+4*x^3-15*x^2)/(2*x-1)/(x^3-6*x^2+5*x-1)$  lgdogf  
A094790 5.54682 [  $\{a(n+3)-5*a(n+2)+6*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A094792 11.1201 [  $(x^3+3*x+2)/(x-1)^4$  ogf]  
A094792 20.3387  $-(11+9*x+x^3+3*x^2)/(x-1)/(x^3+3*x+2)$  lgdogf  
A094792 5.64182 [  $\{a(n+1)+(-n-7)*a(n+2)+(n+3)*a(n+3), a(0) = 2, a(1) = 11, a(2) = 32\}$ , ogf]  
A094793 13.6432  $-(53+44*x+4*x^3+x^4+18*x^2)/(x-1)/(9+8*x+6*x^2+x^4)$  lgdogf  
A094793 5.18096 [  $\{-a(n+1)+(n+8)*a(n+2)+(-n-3)*a(n+3), a(0) = 9, a(1) = 53, a(2) = 181\}$ , ogf]  
A094793 8.15853 [  $-(x^4+6*x^2+8*x+9)/(x-1)^5$  ogf]  
A094794 5.05095 [  $\{-a(n+1)+(n+9)*a(n+2)+(-n-3)*a(n+3), a(0) = 44, a(1) = 309, a(2) = 1214\}$ , ogf]  
A094794 6.54753 [  $(x^5+10*x^3+20*x^2+45*x+44)/(x-1)^6$  ogf]  
A094794 9.76991  $-(309+265*x+30*x^3+x^5+5*x^4+110*x^2)/(x-1)/(44+45*x+10*x^3+20*x^2+x^5)$  lgdogf  
A094795 4.85297 [  $\{-a(n+1)+(n+10)*a(n+2)+(-n-3)*a(n+3), a(0) = 265, a(1) = 2119, a(2) = 9403\}$ , ogf]  
A094795 5.37965 [  $-(x^6+15*x^4+40*x^3+135*x^2+264*x+265)/(x-1)^7$  ogf]  
A094795 7.48289  $-(2119+1854*x+220*x^3+x^6+6*x^5+45*x^4+795*x^2)/(x-1)/(265+264*x+40*x^3+15*x^4+135*x^2+x^6)$  lgdogf  
A094797 11.5625  $-(2+22*x+990*x^3-281*x^2)/(x-1)/(10*x-1)/(99*x^2-19*x+1)$  lgdogf  
A094797 5.68681 [  $\{-a(n+3)+21*a(n+2)-120*a(n+1)+100*a(n), a(0) = 1, a(1) = 2, a(2) = 21\}$ , ogf]  
A094797 9.86829 [  $-(99*x^2-19*x+1)/(x-1)/(10*x-1)^2$  ogf]  
A094803 10.1239 [  $-(x^2-3*x+1)/(2*x-1)/(2*x^2-4*x+1)$  ogf]  
A094803 5.55471 [  $\{a(n+3)-6*a(n+2)+10*a(n+1)-4*a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A094803 9.75883  $-(3-18*x-24*x^3+4*x^4+36*x^2)/(2*x-1)/(x^2-3*x+1)/(2*x^2-4*x+1)$

lgdogf  
 A094806 11.7775  $-( -5+20*x+8*x^3-22*x^2)/(x-1)/(2*x-1)/(2*x^2-4*x+1)$  lgdogf  
 A094806 13.4547  $[(x-1)/(2*x-1)/(2*x^2-4*x+1)$  ogf]  
 A094806 6.37330  $[{-a(n+3)+6*a(n+2)-10*a(n+1)+4*a(n), a(0) = 1, a(1) = 5, a(2) = 20},$  ogf]  
 A094811 17.1674  $-2*(3-10*x+6*x^2)/(2*x-1)/(2*x^2-4*x+1)$  lgdogf  
 A094811 17.9580  $[-1/(2*x-1)/(2*x^2-4*x+1)$  ogf]  
 A094811 5.98599  $[{a(n+3)-6*a(n+2)+10*a(n+1)-4*a(n), a(0) = 1, a(1) = 6, a(2) = 26},$  ogf]  
 A094817 5.29675  $[{-a(n+3)+6*a(n+2)-10*a(n+1)+4*a(n), a(0) = 2, a(1) = 6, a(2) = 19},$  ogf]  
 A094817 8.82265  $-2*(3-17*x-24*x^3+6*x^4+33*x^2)/(2*x-1)/(2*x^2-4*x+1)/(3*x^2-6*x+2)$  lgdogf  
 A094817 9.73919  $[-(3*x^2-6*x+2)/(2*x-1)/(2*x^2-4*x+1)$  ogf]  
 A094818 7.62533  $[-(x^{10}+x^9+3*x^8+3*x^7+5*x^6+4*x^5+6*x^4+3*x^3+3*x^2+x+1)/(x-1)/(x+1)/(x^2-x+1)/(x^2+1)/(x^2+x+1)$  ogf]  
 A094821 11.5905  $-2*(-2+7*x+2*x^3-6*x^2)/(x-1)/(2*x-1)/(2*x^2-4*x+1)$  lgdogf  
 A094821 5.29675  $[{a(n+3)-6*a(n+2)+10*a(n+1)-4*a(n), a(0) = 1, a(1) = 4, a(2) = 15},$  ogf]  
 A094821 9.73919  $[-(x-1)^2/(2*x-1)/(2*x^2-4*x+1)$  ogf]  
 A094822 6.68818  $64-288*x+324*x^2+(-48+240*x-297*x^2)*f(x)+(12-66*x+90*x^2)*f(x)^2+(6*x-1-9*x^2)*f(x)^3$  lgdegf  
 A094823 7.30070  $[x*(4*x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
 A094825 10.4056  $-(7-42*x-60*x^3+15*x^4+81*x^2)/(x-1)/(x^2-3*x+1)/(5*x^2-5*x+1)$  lgdogf  
 A094825 10.4422  $[-(x-1)/(x^2-3*x+1)/(5*x^2-5*x+1)$  ogf]  
 A094826 12.0252  $[(3*x-1)/(x^3-9*x^2+6*x-1)$  ogf]  
 A094826 12.4893  $-3*(-1+6*x+2*x^3-10*x^2)/(3*x-1)/(x^3-9*x^2+6*x-1)$  lgdogf  
 A094826 5.69052  $[{a(n+3)-6*a(n+2)+9*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 9},$  ogf]  
 A094827 8.14103  $-( -4+28*x+64*x^3+2*x^5-19*x^4-68*x^2)/(x-1)/(x^2-3*x+1)/(x^3-9*x^2+6*x-1)$  lgdogf  
 A094827 8.54941  $[(x^2-3*x+1)/(x-1)/(x^3-9*x^2+6*x-1)$  ogf]  
 A094828 10.0030  $-(5-30*x-44*x^3+6*x^4+60*x^2)/(x-1)/(2*x-1)/(x^3-9*x^2+6*x-1)$  lgdogf  
 A094828 9.88727  $[-(2*x-1)/(x-1)/(x^3-9*x^2+6*x-1)$  ogf]  
 A094829 15.7622  $[-1/(x^3-9*x^2+6*x-1)$  ogf]  
 A094829 17.8331  $-3*(2-6*x+x^2)/(x^3-9*x^2+6*x-1)$  lgdogf  
 A094829 5.16107  $[{a(n+3)-6*a(n+2)+9*a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 27},$  ogf]  
 A094831 10.2468  $-(2-12*x-8*x^3+3*x^4+21*x^2)/(x-1)/(3*x-1)/(x^3-9*x^2+6*x-1)$  lgdogf  
 A094831 10.2899  $[-(3*x-1)*(x-1)/(x^3-9*x^2+6*x-1)$  ogf]  
 A094831 5.60430  $[{-a(n+3)+6*a(n+2)-9*a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 6},$  ogf]  
 A094832 10.7120  $[-(x^2-3*x+1)/(x^3-9*x^2+6*x-1)$  ogf]  
 A094832 11.4385  $-(3-16*x-6*x^3+x^4+24*x^2)/(x^2-3*x+1)/(x^3-9*x^2+6*x-1)$  lgdogf  
 A094832 5.78259  $[{-a(n+3)+6*a(n+2)-9*a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 10},$  ogf]  
 A094833 11.5729  $[(2*x-1)/(x^3-9*x^2+6*x-1)$  ogf]  
 A094833 12.2582  $-( -4+18*x+4*x^3-21*x^2)/(2*x-1)/(x^3-9*x^2+6*x-1)$  lgdogf  
 A094833 5.42800  $[{-a(n+3)+6*a(n+2)-9*a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 15},$  ogf]  
 A094834 11.8727  $[(x-1)/(x^3-9*x^2+6*x-1)$  ogf]  
 A094834 13.1179  $-( -5+18*x+2*x^3-12*x^2)/(x-1)/(x^3-9*x^2+6*x-1)$  lgdogf  
 A094834 5.56862  $[{-a(n+3)+6*a(n+2)-9*a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 21},$  ogf]  
 A094835 10.3723  $-(1-2*x+2701*x^2)/(2701*x-1)/(x^2-2702*x+1)$  lgdogf  
 A094835 5.23679  $[{a(n+2)-2702*a(n+1)+a(n), a(0) = 26, a(1) = 26},$  ogf]  
 A094835 8.10926  $-(-13-1351*x+(169-35100*x+1825200*x^2)^{(1/2)})/(70226+x)$  revogf

A094835 8.59625 [  $-26*(2701*x-1)/(x^2-2702*x+1)$  ogf]  
A094836 10.0821  $-(53*x+1)*(51*x-1)/(2703*x-1)/(x^2-2702*x+1)$  lgdogf  
A094836 10.5492 [  $15*(2703*x-1)/(x^2-2702*x+1)$  ogf]  
A094836 6.42649 [  $\{-a(n+2)+2702*a(n+1)-a(n), a(0) = -15, a(1) = 15\}$ , ogf]  
A094836 6.93143  $1/2/(-40545+x)*(-15+2702*x+15^{(1/2)}*((520*x+3)*(936*x+5))^{(1/2)})$   
revogf  
A094854 7.14073  $-(2-16*x-76*x^3+2*x^6-14*x^5+55*x^4+50*x^2)/(x-1)/(2*x-1)/$   
 $(x^2-3*x+1)/(x^3-9*x^2+6*x-1)$  lgdogf  
A094854 8.02682 [  $-(2*x-1)*(x^2-3*x+1)/(x-1)/(x^3-9*x^2+6*x-1)$  ogf]  
A094855 10.5537  $-(3-16*x-24*x^3+4*x^4+30*x^2)/(x-1)/(2*x-1)/(x^3-9*x^2+6*x-1)$   
lgdogf  
A094855 9.24862 [  $(2*x-1)^2/(x-1)/(x^3-9*x^2+6*x-1)$  ogf]  
A094856 11.3029  $25-160*x+256*x^2+(-10+72*x-128*x^2)*f(x)+(16*x^2+1-8*x)*f(x)^2$   
lgdegf  
A094856 5.16343 [  $\{(-16*n-32)*a(n+1)+(4*n+13)*a(n+2)-a(n+3), a(0) = 1, a(1) = 5,$   
 $a(2) = 29\}$ , ogf]  
A094864 16.6868  $-2*(-1+2*x+x^3-x^2)/(x-1)/(2*x-1)/(x^2-3*x+1)$  lgdogf  
A094864 9.79971 [  $-(2*x-1)*(x-1)^2/(x^2-3*x+1)^2$  ogf]  
A094865 14.6104  $-2*(-4+21*x+10*x^3-30*x^2)/(x^2-3*x+1)/(5*x^2-5*x+1)$  lgdogf  
A094865 14.9622 [  $x^3/(x^2-3*x+1)/(5*x^2-5*x+1)$  ogf]  
A094869 27.9071  $-6+25*x+(1-5*x)*f(x)$  lgdegf  
A094869 4.12663 [  $\{(-25*n-50)*a(n+1)+(5*n+16)*a(n+2)-a(n+3), a(0) = 1, a(1) = 6,$   
 $a(2) = 41\}$ , ogf]  
A094875 28.6384  $(1+5*x^4+37*x^36)/(1+x+x^5+x^37)$  lgdogf  
A094895 4.43943 [  $\{-a(n+3)+24*a(n+2)+324*a(n+1)+544*a(n), a(0) = 1, a(1) = 280,$   
 $a(2) = 8524\}$ , ogf]  
A094895 6.03157  $-8*(35+451*x+34816*x^3+100640*x^4+6132*x^2)/(-1+34*x)/(8*x+1)/$   
 $(2*x+1)/(1480*x^2+256*x+1)$  lgdogf  
A094895 7.62831 [  $-(1480*x^2+256*x+1)/(2*x+1)/(8*x+1)/(34*x-1)$  ogf]  
A094905 24.9533  $-7+36*x+(1-6*x)*f(x)$  lgdegf  
A094905 3.69679 [  $\{(-36*n-72)*a(n+1)+(6*n+19)*a(n+2)-a(n+3), a(0) = 1, a(1) = 7,$   
 $a(2) = 55\}$ , ogf]  
A094909 10.6052  $(1+2*x+x^8+2*x^3+x^6+2*x^5+5*x^4+4*x^2)/(x-1)/(x+1)/(x^2+x+1)/$   
 $(x^6-2*x^5+x^2-1)$  lgdogf  
A094909 7.66296 [  $(x^7-x^6-x^5-x^4+x^3+x^2-1)/(x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A094911 28.8041  $(-8+49*x)/(-1+7*x)$  lgdegf  
A094911 3.83743 [  $\{(-49*n-98)*a(n+1)+(7*n+22)*a(n+2)-a(n+3), a(0) = 1, a(1) = 8,$   
 $a(2) = 71\}$ , ogf]  
A094914 4.76708 [  $\{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 1354361, a(1) =$   
 $1354357, a(2) = 1354351\}$ , ogf]  
A094914 7.84456 [  $-(1354363*x^2-2708726*x+1354361)/(x-1)^3$  ogf]  
A094914 8.67154  $-(1354357-2708726*x+1354363*x^2)/(x-1)/(1354363*x^2-2708726*x$   
 $+1354361)$  lgdogf  
A094935 22.8830  $-9+64*x+(1-8*x)*f(x)$  lgdegf  
A094935 3.37045 [  $\{(-64*n-128)*a(n+1)+(8*n+25)*a(n+2)-a(n+3), a(0) = 1, a(1) = 9,$   
 $a(2) = 89\}$ , ogf]  
A094938 10.4453  $-1/36*(-1-45*x+(1+162*x+729*x^2)^{(1/2)})/(-1+18*x)$  revogf  
A094938 10.6664 [  $(18*x+1)/(36*x-1)/(9*x-1)$  ogf]  
A094938 11.1266  $-9*(-7+72*x+648*x^2)/(36*x-1)/(18*x+1)/(9*x-1)$  lgdogf  
A094938 6.07737 [  $\{-a(n+2)+45*a(n+1)-324*a(n), a(0) = 1, a(1) = 63\}$ , ogf]  
A094943 4.82933 [  $\{a(n+3)-3*a(n+2)-15*a(n+1)-18*a(n), a(0) = 1, a(1) = 13, a(2) =$   
 $72\}$ , ogf]  
A094943 7.61415  $-(13+66*x+360*x^3+150*x^2+324*x^4)/(6*x-1)/(18*x^2+10*x+1)/$   
 $(3*x^2+3*x+1)$  lgdogf  
A094943 8.61849 [  $-(18*x^2+10*x+1)/(6*x-1)/(3*x^2+3*x+1)$  ogf]  
A094944 10.5386  $-(17+21*x+343*x^3+147*x^2)/(7*x+1)/(7*x-1)/(7*x^2+4*x+1)$  lgdogf  
A094944 5.14651 [  $\{a(n+3)-3*a(n+2)-21*a(n+1)-49*a(n), a(0) = 1, a(1) = 17, a(2) =$   
 $121\}$ , ogf]  
A094944 9.26372 [  $-(7*x+1)^2/(7*x-1)/(7*x^2+4*x+1)$  ogf]  
A094951 15.2951  $-(31-84*x+81*x^2)/(3*x-1)/(27*x^2-23*x+6)$  lgdogf  
A094951 5.46701 [  $\{a(n+3)-9*a(n+2)+27*a(n+1)-27*a(n), a(0) = 6, a(1) = 31, a(2) =$

144}, ogf]  
A094951 9.84062 [  $-(27x^2-23x+6)/(3x-1)^3$  ogf]  
A094952 10.2898 [  $(x^2+11x+6)/(x-1)^4$  ogf]  
A094952 20.1701  $-(35+35x+2x^2)/(x-1)/(x^2+11x+6)$  lgdogf  
A094958 13.0952 [  $-(x^2+x+1)(x+1)/(2x^2-1)$  ogf]  
A094958 15.9038  $(-2-8x+2x^4-7x^2)/(x+1)/(x^2+x+1)/(2x^2-1)$  lgdogf  
A094958 7.77529 [  $\{a(n+4)-2a(n+2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 5\}$ , ogf]  
A094966 14.0321  $-(-1-6x+3x^4+4x^3-3x^2)/(x+1)/(x^2+x-1)/(x^2-x-1)$  lgdogf  
A094966 14.2395 [  $x^*(x+1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A094967 11.1366 [  $-(x-1)(x+1)^2/(x^2+x-1)/(x^2-x-1)$  ogf]  
A094967 12.2298  $-(1+3x+x^5+x^4-x^3-3x^2)/(x-1)/(x+1)/(x^2+x-1)/(x^2-x-1)$   
lgdogf  
A094968 10.2968 [  $(4x^2-x-1)/(2x-1)/(x+1)/(x-1)^2$  ogf]  
A094968 12.0106  $-2*(2-3x+8x^4-x^3-2x^2)/(x-1)/(2x-1)/(x+1)/(4x^2-x-1)$   
lgdogf  
A094968 3.60648 [  $\{(4n+6)*a(n+1)+(-2n+1)*a(n+2)+(-4n-4)*a(n+3)+(2n+1)*a(n+4),$   
 $a(0) = 1, a(1) = 4, a(2) = 7, a(3) = 14\}$ , ogf]  
A095000 49.1183  $-5+x+(1-x)*f(x)$  lgdegf  
A095000 5.54779 [  $\{(-n-2)*a(n+1)+(n+7)*a(n+2)-a(n+3), a(0) = 1, a(1) = 5, a(2) =$   
 $29\}$ , ogf]  
A095002 5.14312 [  $\{-a(n+3)+9a(n+2)-9a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) =$   
 $19\}$ , ogf]  
A095002 9.52741 [  $-(x^2-6x+1)/(x-1)/(x^2-8x+1)$  ogf]  
A095002 9.98577  $-(3-16x+x^4-12x^3+48x^2)/(x-1)/(x^2-8x+1)/(x^2-6x+1)$  lgdogf  
A095003 11.3612 [  $(3x-1)/(x-1)/(x^2-8x+1)$  ogf]  
A095003 12.5566  $-6*(-1+3x+x^3-5x^2)/(x-1)/(3x-1)/(x^2-8x+1)$  lgdogf  
A095003 5.32869 [  $\{a(n+3)-9a(n+2)+9a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 45\}$ ,  
ogf]  
A095004 11.6438 [  $-(x+1)/(x-1)/(x^2-8x+1)$  ogf]  
A095004 13.7531  $-2*(5-9x+x^3-3x^2)/(x-1)/(x+1)/(x^2-8x+1)$  lgdogf  
A095004 5.41333 [  $\{a(n+3)-9a(n+2)+9a(n+1)-a(n), a(0) = 1, a(1) = 10, a(2) =$   
 $81\}$ , ogf]  
A095049 5.63887 [  $-x^2*(x^{18}-x^{17}+x^{16}-x^{15}+x^{14}-x^{11}+4x^{10}-4x^9+4x^8+2x^6-$   
 $x^5+3x^4-x^3+2x^2+1)/(x-1)$  ogf]  
A095121 14.6458 [  $(2x^2-x+1)/(2x-1)/(x-1)$  ogf]  
A095121 19.5446  $-2*(-1+2x^2)/(x-1)/(2x-1)/(2x^2-x+1)$  lgdogf  
A095121 7.61005 [  $\{-a(n+3)+3a(n+2)-2a(n+1), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A095122 7.75613 [  $-x*(x^3+2x^2-2x+1)/(x+1)/(x^2-3x+1)/(x^2+x-1)$  ogf]  
A095122 7.81833  $-(1+6x+2x^7+5x^6-12x^5+10x^3-20x^2)/(x+1)/(x^2-3x+1)/$   
 $(x^2+x-1)/(x^3+2x^2-2x+1)$  lgdogf  
A095125 11.8419  $-(3+4x+x^4-2x^3+2x^2)/(x^2-x-1)/(x^3-3x^2-2x+1)$  lgdogf  
A095125 12.9724 [  $-(x^2-x-1)/(x^3-3x^2-2x+1)$  ogf]  
A095125 7.06532 [  $\{a(n+3)-2a(n+2)-3a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 8\}$ ,  
ogf]  
A095126 10.2899 [  $-(x^2-5x-4)/(x^3-3x^2-2x+1)$  ogf]  
A095126 10.7861  $-(13+22x+x^4-10x^3+5x^2)/(x^2-5x-4)/(x^3-3x^2-2x+1)$  lgdogf  
A095126 5.50598 [  $\{a(n+3)-2a(n+2)-3a(n+1)+a(n), a(0) = 4, a(1) = 13, a(2) =$   
 $37\}$ , ogf]  
A095127 10.4152 [  $-(x^2-2x-1)/(x^3-3x^2-2x+1)$  ogf]  
A095127 11.5240  $-(4+4x+x^4-4x^3+5x^2)/(x^2-2x-1)/(x^3-3x^2-2x+1)$  lgdogf  
A095127 5.62239 [  $\{a(n+3)-2a(n+2)-3a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 10\}$ ,  
ogf]  
A095128 11.3676  $-(4+2x+x^4-2x^3+2x^2)/(x^2-x-1)/(x^3-2x^2-3x+1)$  lgdogf  
A095128 12.7511 [  $-(x^2-x-1)/(x^3-2x^2-3x+1)$  ogf]  
A095128 6.88335 [  $\{a(n+3)-3a(n+2)-2a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 13\}$ ,  
ogf]  
A095129 6.73953  $-(1+22x+288x^6-240x^5-4x^4+104x^3-99x^2)/(x-1)/(4x-1)/$   
 $(2x+1)/(2x-1)/(x+1)/(6x^2-3x+1)$  lgdogf  
A095129 7.91147 [  $-x*(6x^2-3x+1)/(x-1)/(4x-1)/(2x+1)/(2x-1)/(x+1)$  ogf]  
A095130 10.9864 [  $-x/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A095130 18.3524  $-(-2x+3x^2-4x^3+1+5x^4)/(x-1)/(1+x^2+x)/(x^2-x+1)$  lgdogf

A095130 23.0618  $[[x^5-x+1] \text{ ogf\_with\_Euler\_transform}]$   
A095151 12.1696  $[x(x-2)/(2x-1)/(x-1)^2 \text{ ogf}]$   
A095151 19.5247  $-(7-13x+4x^2)/(x-1)/(x-2)/(2x-1) \text{ lgdogf}$   
A095151 6.24924  $[{a(n+3)-4a(n+2)+5a(n+1)-2a(n), a(0) = 0, a(1) = 2, a(2) = 7}, \text{ ogf}]$   
A095152 11.6621  $-2*(16-31x+441x^3-294x^2)/(x-1)/(3x-1)/(7x-1)/(21x+1) \text{ lgdogf}$   
A095152 12.2849  $[-(21x+1)/(x-1)/(3x-1)/(7x-1) \text{ ogf}]$   
A095152 5.93424  $[{a(n+3)-11a(n+2)+31a(n+1)-21a(n), a(0) = 1, a(1) = 32, a(2) = 321}, \text{ ogf}]$   
A095153 8.09489  $-(-35+392x+8505x^4-7488x^3+306x^2)/(x-1)/(15x-1)/(3x-1)/(9x+1)/(7x-1) \text{ lgdogf}$   
A095153 8.93858  $[35*(9x+1)/(x-1)/(15x-1)/(3x-1)/(7x-1) \text{ ogf}]$   
A095154 6.84660  $[-21*(465x^2+82x+1)/(x-1)/(15x-1)/(3x-1)/(31x-1)/(7x-1) \text{ ogf}]$   
A095155 5.16612  $[7*(87885x^3+20891x^2+591x+1)/(x-1)/(15x-1)/(3x-1)/(31x-1)/(63x-1)/(7x-1) \text{ ogf}]$   
A095166 19.7164  $-3*(3+9x+8x^2)/(x-1)/(6x^2+3x+1) \text{ lgdogf}$   
A095166 3.60089  $[{(-n-4)*a(n+4)+(3-2n)*a(n+3)+(21-3n)*a(n+2)+(30+6n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 45, a(3) = 155}, \text{ ogf}]$   
A095166 8.22475  $[(6x^2+3x+1)/(x-1)^6 \text{ ogf}]$   
A095176 22.1802  $-10+81x+(1-9x)*f(x) \text{ lgdegf}$   
A095176 3.38026  $[{(-81n-162)*a(n+1)+(9n+28)*a(n+2)-a(n+3), a(0) = 1, a(1) = 10, a(2) = 109}, \text{ ogf}]$   
A095177 3.96087  $[{(-n-2)*a(n+1)+(n+8)*a(n+2)-a(n+3), a(0) = 1, a(1) = 6, a(2) = 41}, \text{ ogf}]$   
A095177 34.8771  $-6+x+(1-x)*f(x) \text{ lgdegf}$   
A095235 6.79747  $(27+15x+8x^{10}-10x^9+12x^8-16x^7+72x^5-128x^4+13x^3+9x^2)/(x-1)/(x^{10}+2x^8+24x^5-4x^4-3x^3-18x^2+21x-24) \text{ lgdogf}$   
A095235 8.34599  $[-(x^{10}+2x^8+24x^5-4x^4-3x^3-18x^2+21x-24)/(x-1)^2 \text{ ogf}]$   
A095262 10.4989  $-(21-104x+66x^2+144x^3)/(3x+2)/(3x-1)/(2x-1)/(4x-1) \text{ lgdogf}$   
A095262 11.2963  $[-(3x+2)/(3x-1)/(2x-1)/(4x-1) \text{ ogf}]$   
A095262 5.31025  $[{a(n+3)-9a(n+2)+26a(n+1)-24a(n), a(0) = 2, a(1) = 21, a(2) = 137}, \text{ ogf}]$   
A095263 19.3041  $[-1/(x^3-2x^2+3x-1) \text{ ogf}]$   
A095263 21.2317  $-(3-4x+3x^2)/(-2x^2-1+3x+x^3) \text{ lgdogf}$   
A095263 6.37725  $[{a(n+3)-3a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 7}, \text{ ogf}]$   
A095264 12.3256  $[-(2x+1)/(2x-1)/(x-1)^2 \text{ ogf}]$   
A095264 16.4048  $-2*(-3+2x+4x^2)/(x-1)/(2x+1)/(2x-1) \text{ lgdogf}$   
A095264 5.78103  $[{a(n+3)-4a(n+2)+5a(n+1)-2a(n), a(0) = 1, a(1) = 6, a(2) = 19}, \text{ ogf}]$   
A095265 10.6496  $[(21x^2+18x+1)/(x-1)^4 \text{ ogf}]$   
A095265 18.0924  $-2*(11+48x+21x^2)/(x-1)/(21x^2+18x+1) \text{ lgdogf}$   
A095265 3.67050  $[{(n+4)*a(n+4)+(29+17n)*a(n+3)+(-90+3n)*a(n+2)+(-63-21n)*a(n+1), a(0) = 1, a(1) = 22, a(2) = 103, a(3) = 284}, \text{ ogf}]$   
A095266 12.1825  $-6*(7+59x+71x^2+13x^3)/(x-1)/(39x^3+103x^2+37x+1) \text{ lgdogf}$   
A095266 7.51254  $[-(39x^3+103x^2+37x+1)/(x-1)^5 \text{ ogf}]$   
A095307 13.2306  $[-(x-1)/(2x-1)/(x^3+2x^2-x-1) \text{ ogf}]$   
A095307 13.2603  $-x*(8+6x^3-2x^2-13x)/(x-1)/(2x-1)/(x^3+2x^2-x-1) \text{ lgdogf}$   
A095308 13.3856  $[1/(2x-1)/(x^3+2x^2-x-1) \text{ ogf}]$   
A095308 14.2701  $-(-1-8x+8x^3+9x^2)/(2x-1)/(x^3+2x^2-x-1) \text{ lgdogf}$   
A095310 10.5221  $[-(x^2-3x-1)/(x^3-3x^2-2x+1) \text{ ogf}]$   
A095310 11.6447  $-(5+4x+x^4-6x^3+8x^2)/(x^2-3x-1)/(x^3-3x^2-2x+1) \text{ lgdogf}$   
A095310 5.68005  $[{a(n+3)-2a(n+2)-3a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 12}, \text{ ogf}]$   
A095311 13.9758  $[-(44x+1)/(x-1)^3 \text{ ogf}]$   
A095311 29.6016  $-(47+88x)/(44x+1)/(x-1) \text{ lgdogf}$   
A095311 6.56255  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 47, a(2) =$



138}], ogf]

A095342 12.8819 [  $-(2*x^2+x+1)/(2*x-1)/(x+1)^2$  ogf]

A095342 18.0070  $-(1+9*x+4*x^3)/(2*x-1)/(x+1)/(2*x^2+x+1)$  lgdogf

A095342 7.81135 [  $\{-a(n+3)+3*a(n+1)+2*a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$ , ogf]

A095343 11.7869  $-(1+14*x+9*x^4+6*x^3+13*x^2)/(x+1)/(3*x^2+x-1)/(3*x^2+x+1)$  lgdogf

A095343 12.2324 [  $-(3*x^2+x+1)/(x+1)/(3*x^2+x-1)$  ogf]

A095343 7.41751 [  $\{-a(n+3)+4*a(n+1)+3*a(n), a(0) = 1, a(1) = 1, a(2) = 7\}$ , ogf]

A095344 10.9002  $-(1+18*x+16*x^4+8*x^3+17*x^2)/(x+1)/(4*x^2+x+1)/(4*x^2+x-1)$  lgdogf

A095344 13.3065 [  $-(4*x^2+x+1)/(x+1)/(4*x^2+x-1)$  ogf]

A095344 8.06881 [  $\{-a(n+3)+5*a(n+1)+4*a(n), a(0) = 1, a(1) = 1, a(2) = 9\}$ , ogf]

A095364 7.84516  $-x*(6+28*x^3-14*x^2+4*x^6-17*x^5+12*x^4-12*x)/(2*x-1)/(x+1)/(x^3-3*x^2+1)/(x^3-2*x^2-x+1)$  lgdogf

A095364 8.25584 [  $-(x^3-2*x^2-x+1)/(2*x-1)/(x+1)/(x^3-3*x^2+1)$  ogf]

A095367 8.94561 [  $(x^2+x-1)/(2*x-1)/(x+1)/(x^3-3*x^2+1)$  ogf]

A095367 9.33999  $-x*(x-2)*(6*x^4+10*x^3-9*x^2-6*x+4)/(2*x-1)/(x+1)/(x^2+x-1)/(x^3-3*x^2+1)$  lgdogf

A095368 10.1912  $-x*(x-2)*(8*x^3-9*x^2-6*x+5)/(x-1)/(2*x-1)/(x+1)/(x^3-3*x^2+1)$  lgdogf

A095368 9.30661 [  $(x-1)/(2*x-1)/(x+1)/(x^3-3*x^2+1)$  ogf]

A095369 11.3677  $-(1+10*x+10*x^4-20*x^3-12*x^2)/(2*x-1)/(x+1)/(x^3-3*x^2+1)$  lgdogf

A095369 11.8081 [  $-1/(2*x-1)/(x+1)/(x^3-3*x^2+1)$  ogf]

A095372 5.10041 [  $\{a(n+2)-101*a(n+1)+100*a(n), a(0) = 1, a(1) = 91\}$ , ogf]

A095372 8.66953  $-1/20*(-1-101*x+(1+162*x+9801*x^2)^{(1/2)})/(1+10*x)$  revogf

A095372 8.87472 [  $-(10*x-1)/(100*x-1)/(x-1)$  ogf]

A095372 9.63281  $-(91-200*x+1000*x^2)/(x-1)/(100*x-1)/(10*x-1)$  lgdogf

A095661 11.1186 [  $(2*x-3)/(x-1)^5$  ogf]

A095661 32.2777  $-(-13+8*x)/(x-1)/(2*x-3)$  lgdogf

A095661 5.12610 [  $\{(3*n+9)*a(n+3)+(-23-5*n)*a(n+2)+(10+2*n)*a(n+1), a(0) = 3, a(1) = 13, a(2) = 35\}$ , ogf]

A095662 28.2518  $-(-19+12*x)/(x-1)/(2*x-3)$  lgdogf

A095662 4.67715 [  $\{(3*n+9)*a(n+3)+(-29-5*n)*a(n+2)+(14+2*n)*a(n+1), a(0) = 3, a(1) = 19, a(2) = 70\}$ , ogf]

A095662 8.09304 [  $(2*x-3)/(x-1)^7$  ogf]

A095663 26.4153  $-2*(-11+7*x)/(x-1)/(2*x-3)$  lgdogf

A095663 4.54892 [  $\{(3*n+9)*a(n+3)+(-32-5*n)*a(n+2)+(16+2*n)*a(n+1), a(0) = 3, a(1) = 22, a(2) = 92\}$ , ogf]

A095663 7.14831 [  $-(2*x-3)/(x-1)^8$  ogf]

A095664 35.9801  $-(-25+16*x)/(x-1)/(2*x-3)$  lgdogf

A095664 5.89500 [  $\{(3*n+9)*a(n+3)+(-35-5*n)*a(n+2)+(18+2*n)*a(n+1), a(0) = 3, a(1) = 25, a(2) = 117\}$ , ogf]

A095664 8.38280 [  $(2*x-3)/(x-1)^9$  ogf]

A095665 25.2478  $-2*(-14+9*x)/(x-1)/(2*x-3)$  lgdogf

A095665 4.32111 [  $\{(3*n+9)*a(n+3)+(-38-5*n)*a(n+2)+(20+2*n)*a(n+1), a(0) = 3, a(1) = 28, a(2) = 145\}$ , ogf]

A095665 5.40139 [  $-(2*x-3)/(x-1)^{10}$  ogf]

A095667 11.2225 [  $(3*x-4)/(x-1)^5$  ogf]

A095667 31.2817  $-(-17+12*x)/(x-1)/(3*x-4)$  lgdogf

A095667 5.14063 [  $\{(4*n+12)*a(n+3)+(-31-7*n)*a(n+2)+(15+3*n)*a(n+1), a(0) = 4, a(1) = 17, a(2) = 45\}$ , ogf]

A095668 29.8149  $-3*(-7+5*x)/(x-1)/(3*x-4)$  lgdogf

A095668 4.90133 [  $\{(4*n+12)*a(n+3)+(-35-7*n)*a(n+2)+(18+3*n)*a(n+1), a(0) = 4, a(1) = 21, a(2) = 66\}$ , ogf]

A095668 9.49632 [  $-(3*x-4)/(x-1)^6$  ogf]

A095669 28.6714  $-(-25+18*x)/(x-1)/(3*x-4)$  lgdogf

A095669 4.71465 [  $\{(4*n+12)*a(n+3)+(-39-7*n)*a(n+2)+(21+3*n)*a(n+1), a(0) = 4, a(1) = 25, a(2) = 91\}$ , ogf]

A095669 8.21091 [  $(3*x-4)/(x-1)^7$  ogf]

A095670 27.8840  $-(-29+21*x)/(x-1)/(3*x-4)$  lgdogf

A095670 4.55664 [  $\{(4n+12)a(n+3)+(-43-7n)a(n+2)+(24+3n)a(n+1), a(0) = 4, a(1) = 29, a(2) = 120\}$ , ogf]  
A095670 7.25343 [  $-(3x-4)/(x-1)^8$  ogf]  
A095671 25.7728  $-3*(-11+8x)/(x-1)/(3x-4)$  lgdogf  
A095671 4.38181 [  $\{(4n+12)a(n+3)+(-47-7n)a(n+2)+(27+3n)a(n+1), a(0) = 4, a(1) = 33, a(2) = 153\}$ , ogf]  
A095671 6.27121 [  $(3x-4)/(x-1)^9$  ogf]  
A095681 10.6343  $-(3-2x+6x^5+5x^4-6x^2-4x^3)/(x-1)/(x^2+x-1)/(x^3+x^2+x-1)$  lgdogf  
A095681 13.2383 [  $-1/(x-1)/(x^2+x-1)/(x^3+x^2+x-1)$  ogf]  
A095685 14.9135  $(-15+55x-25x^2+x^3)/(x-1)/(x+1)/(x^2-10x+1)$  lgdogf  
A095685 4.47439 [  $\{-a(n+5)+11a(n+4)-11a(n+3)+a(n+2), a(0) = 1, a(1) = 15, a(2) = 160, a(3) = 1600, a(4) = 15856\}$ , ogf]  
A095685 8.83551 [  $-(x+1)^4/(x-1)/(x^2-10x+1)$  ogf]  
A095687 18.9775 [  $-10x/(5x-1)$  ogf]  
A095687 25.4633  $-1/5*\ln(2)+1/5*\ln(x+2)$  revegef  
A095687 50.9265  $-5/(-1+5x)$  lgdogf  
A095687 7.90729 [  $\{-a(n+2)+5a(n+1), a(0) = 0, a(1) = 10\}$ , ogf]  
A095694 4.28911 [  $-(2x^3-3x^2+15x+1)/(x-1)^7$  ogf]  
A095694 9.02253  $-(22+84x-9x^2+8x^3)/(x-1)/(2x^3-3x^2+15x+1)$  lgdogf  
A095695 4.09674 [  $-(11x^4-39x^3+51x^2+76x+6)/(x-1)^9$  ogf]  
A095695 7.83873  $-5*(26+142x+11x^4+48x^2-38x^3)/(x-1)/(11x^4-39x^3+51x^2+76x+6)$  lgdogf  
A095696 4.22591 [  $-(878x^5-1705x^4+455x^3+715x^2+580x+22)/(x-1)^{11}$  ogf]  
A095696 7.36199  $-3*(274+2410x+1756x^5-2515x^4+2600x^2-1060x^3)/(x-1)/(878x^5-1705x^4+455x^3+715x^2+580x+22)$  lgdogf  
A095698 10.5092  $-2*(6x^3-4x-1)*(2x^3+x^2-1)/(2x^2-1)/(4x^3+x^2-2x-1)/(3x^2-1)$  lgdogf  
A095698 11.2130 [  $-(4x^3+x^2-2x-1)/(3x^2-1)/(2x^2-1)$  ogf]  
A095722 3.77067 [  $\{(-n-2)a(n+1)+(n+11)a(n+2)-a(n+3), a(0) = 1, a(1) = 9, a(2) = 89\}$ , ogf]  
A095722 33.4319  $-9+x+(1-x)*f(x)$  lgdegf  
A095740 3.85973 [  $\{(-n-2)a(n+1)+(n+12)a(n+2)-a(n+3), a(0) = 1, a(1) = 10, a(2) = 109\}$ , ogf]  
A095740 32.5819  $-10+x+(1-x)*f(x)$  lgdegf  
A095752 6.86509 [  $-(2x+7)*(5x-1)/(10x-1)^2/(x-1)^2$  ogf]  
A095752 8.88379  $-(121-663x+990x^2+200x^3)/(x-1)/(2x+7)/(5x-1)/(10x-1)$  lgdogf  
A095761 3.18630 [  $\{a(n+3)-102a(n+2)+201a(n+1)-100a(n), a(0) = 1, a(1) = 123, a(2) = 12345\}$ , ogf]  
A095761 6.58502 [  $-(21x+1)/(100x-1)/(x-1)^2$  ogf]  
A095761 8.19492  $-3*(-41+93x+1400x^2)/(x-1)/(21x+1)/(100x-1)$  lgdogf  
A095764 12.8229 [  $(88x^2+x+11)/(x+1)/(x-1)^2$  ogf]  
A095764 15.2409  $-2*(6+105x+45x^2+44x^3)/(x-1)/(x+1)/(88x^2+x+11)$  lgdogf  
A095764 6.96416 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 11, a(1) = 12, a(2) = 111\}$ , ogf]  
A095768 11.0400 [  $-(4x^2-6x+3)/(2x-1)/(x-1)^2$  ogf]  
A095768 12.9379  $-2*(-3+8x-8x^2+4x^3)/(x-1)/(2x-1)/(4x^2-6x+3)$  lgdogf  
A095768 5.95963 [  $\{a(n+3)-4a(n+2)+5a(n+1)-2a(n), a(0) = 3, a(1) = 6, a(2) = 13\}$ , ogf]  
A095776 20.8631  $-3*(1+9x^2)/(-1+9x+27x^3)$  lgdogf  
A095776 3.54851 [  $\{(-n-4)a(n+4)+(30+9n)a(n+3)+(54+27n)a(n+1), a(0) = 1, a(1) = 3, a(2) = 18, a(3) = 135\}$ , ogf]  
A095791 4.81052 [  $-(x^{41}+x^{38}+x^{36}+x^{34}-2x^{33}-x^{25}-2x^{20}-x^{17}-x^{15}-x^{13}-x^{12}-x^7-x^4-x^2-1)/(x-1)/(x^{34}-x^{13}-1)$  ogf]  
A095794 13.5895 [  $(x^2-3x-1)/(x-1)^3$  ogf]  
A095794 26.2384  $-(-6-4x+x^2)/(x-1)/(x^2-3x-1)$  lgdogf  
A095794 7.33591 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 14\}$ , ogf]  
A095795 12.6261 [  $(3x^3-5x^2-5x-2)/(x^4+x^2-1)$  ogf]  
A095796 12.6433  $-2*(-13-33x+3x^2+x^3)/(x-1)/(2x^3-22x-1)$  lgdogf

A095796 8.14346 [  $-(2*x^3-22*x-1)/(x-1)^4$  ogf]  
A095797 5.01915 [  $-(16*x^{14}-6*x^{13}+2*x^{12}+24*x^{11}+10*x^{10}-7*x^9+5*x^8-2*x^7-10*x^6-7*x^5-x^3-x^2-x-1)/(12*x^{16}+30*x^{12}-24*x^8-4*x^4+1)$  ogf]  
A095807 4.11887 [  $\{a(n+3)-20*a(n+2)+109*a(n+1)-90*a(n), a(0) = 1, a(1) = 10, a(2) = 181\}$ , ogf]  
A095807 6.38417  $-2*(5+4050*x^4-19*x-220*x^2-900*x^3)/(x-1)/(9*x-1)/(10*x-1)/(90*x^2-10*x+1)$  lgdogf  
A095807 7.31560 [  $-(90*x^2-10*x+1)/(x-1)/(9*x-1)/(10*x-1)$  ogf]  
A095810 6.13512 [  $(4*x^{26}+12*x^{25}+4*x^{24}+2*x^8+6*x^7+2*x^6+3*x^5+x^4+2*x^3+2*x^2+x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A095813 9.84060 [  $-(-x^6-2*x^4+2*x^2+1)/(x^8+x^6+x^4+x^2+1)$  ogf\_with\_Euler\_transform]  
A095819 26.5243  $-(-37+27*x)/(x-1)/(3*x-4)$  lgdogf  
A095819 4.33613 [  $\{(4*n+12)*a(n+3)+(-51-7*n)*a(n+2)+(30+3*n)*a(n+1), a(0) = 4, a(1) = 37, a(2) = 190\}$ , ogf]  
A095819 5.45514 [  $-(3*x-4)/(x-1)^{10}$  ogf]  
A095839 14.9336  $-(-1+6*x+2*(1-6*x)^{(1/2)})/(2*x+1)/(-1+6*x)$  lgdegf  
A095875 12.1344 [  $-(2*x^3+3*x^2+x+4)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A095889 3.86279 [  $-2*(80*x^5-87*x^4-36*x^3+82*x^2-36*x+5)/(2*x-1)^3/(3*x-1)^4/(x-1)^4$  ogf]  
A095894 15.2657 [  $-(5*x+1)/(x+1)/(x-1)^3$  ogf]  
A095894 22.0443  $- (7+14*x+15*x^2)/(x-1)/(5*x+1)/(x+1)$  lgdogf  
A095894 4.04540 [  $\{(-n-4)*a(n+4)+(-8-5*n)*a(n+3)+(16+n)*a(n+2)+(20+5*n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 14, a(3) = 26\}$ , ogf]  
A095897 8.33014  $-8*(1-128*x^4+4*x-80*x^3+96*x^5)/(6*x-1)/(2*x+1)/(4*x^2-4*x-1)/(8*x^2-1)$  lgdogf  
A095897 8.49929 [  $-(4*x^2-4*x-1)/(6*x-1)/(2*x+1)/(8*x^2-1)$  ogf]  
A095898 12.5427  $1/2/(x+3)*(-1-24*x+(1+60*x+580*x^2)^{(1/2)})$  revogf  
A095898 14.6331  $-(27+2*x+3*x^2)/(3*x+1)/(x^2+24*x-1)$  lgdogf  
A095898 15.2687 [  $-(3*x+1)/(x^2+24*x-1)$  ogf]  
A095898 8.36143 [  $\{a(n+2)-24*a(n+1)-a(n), a(0) = 1, a(1) = 27\}$ , ogf]  
A095905 11.7548 [  $-(6*x+1)/(18*x^2+15*x-1)$  ogf]  
A095905 12.0254  $1/12*(-1-15*x+(1+54*x+297*x^2)^{(1/2)})/(3*x+1)$  revogf  
A095905 12.8844  $-3*(7+12*x+36*x^2)/(6*x+1)/(18*x^2+15*x-1)$  lgdogf  
A095905 6.49972 [  $\{a(n+2)-15*a(n+1)-18*a(n), a(0) = 1, a(1) = 21\}$ , ogf]  
A095915 11.3775  $2*(-1-2*x+5*x^6-10*x^5+11*x^4-7*x^2-16*x^3)/(x-1)/(x^2+1)/(10*x^4+5*x^3+3*x^2+x+1)$  lgdogf  
A095915 12.1888 [  $-(10*x^4+5*x^3+3*x^2+x+1)/(x-1)/(x^2+1)$  ogf]  
A095915 6.55674 [  $\{-a(n+5)+a(n+4)-a(n+3)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8, a(4) = 16\}$ , ogf]  
A095929 11.6135 [  $-(5*x^2-5*x+1)/(4*x-1)/(x^2-3*x+1)$  ogf]  
A095929 6.37204 [  $\{-a(n+3)+7*a(n+2)-13*a(n+1)+4*a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A095929 9.09411  $-2*(1-8*x+10*x^4+21*x^2-20*x^3)/(4*x-1)/(x^2-3*x+1)/(5*x^2-5*x+1)$  lgdogf  
A095930 11.0948  $-(-4+26*x-51*x^2+24*x^3)/(4*x-1)/(3*x-1)/(x^2-3*x+1)$  lgdogf  
A095930 14.1788 [  $(3*x-1)/(4*x-1)/(x^2-3*x+1)$  ogf]  
A095930 6.71626 [  $\{a(n+3)-7*a(n+2)+13*a(n+1)-4*a(n), a(0) = 1, a(1) = 4, a(2) = 15\}$ , ogf]  
A095931 15.0485 [  $-1/(4*x-1)/(x^2-3*x+1)$  ogf]  
A095931 15.5411  $-(7-26*x+12*x^2)/(x^2-3*x+1)/(4*x-1)$  lgdogf  
A095931 5.01616 [  $\{a(n+3)-7*a(n+2)+13*a(n+1)-4*a(n), a(0) = 1, a(1) = 7, a(2) = 36\}$ , ogf]  
A095932 11.5169  $-(-5+26*x-38*x^2+16*x^3)/(4*x-1)/(2*x-1)/(x^2-3*x+1)$  lgdogf  
A095932 13.5312 [  $(2*x-1)/(4*x-1)/(x^2-3*x+1)$  ogf]  
A095932 6.40953 [  $\{-a(n+3)+7*a(n+2)-13*a(n+1)+4*a(n), a(0) = 1, a(1) = 5, a(2) = 22\}$ , ogf]  
A095933 14.2041 [  $-2/(4*x-1)/(x^2-3*x+1)$  ogf]  
A095933 16.2280  $-(7-26*x+12*x^2)/(x^2-3*x+1)/(4*x-1)$  lgdogf

A095933 5.18757 [ $\{a(n+3)-7*a(n+2)+13*a(n+1)-4*a(n), a(0) = 2, a(1) = 14, a(2) = 72\}$ , ogf]  
A095934 13.8473 [ $(x-1)^2/(3*x^2-5*x+1)$  ogf]  
A095934 28.8412  $(x-3)/(x-1)/(3*x^2-5*x+1)$  lgdogf  
A095934 7.12529 [ $\{-a(n+3)+5*a(n+2)-3*a(n+1), a(0) = 1, a(1) = 3, a(2) = 13\}$ , ogf]  
A095939 11.2996 [ $(2*x-1)*(x-1)/(3*x^2-5*x+1)$  ogf]  
A095939 14.3009  $-(-2+2*x+x^2)/(x-1)/(2*x-1)/(3*x^2-5*x+1)$  lgdogf  
A095939 5.87136 [ $\{-a(n+3)+5*a(n+2)-3*a(n+1), a(0) = 1, a(1) = 2, a(2) = 9\}$ , ogf]  
A095940 12.9068 [ $-x*(x-1)/(3*x^2-5*x+1)$  ogf]  
A095940 14.8309  $-1/2*(-1-5*x+(1+6*x+13*x^2)^{(1/2)})/(3*x+1)$  revogf  
A095940 18.3205  $-(4-6*x+3*x^2)/(x-1)/(3*x^2-5*x+1)$  lgdogf  
A095940 6.26170 [ $\{-a(n+3)+5*a(n+2)-3*a(n+1), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A095944 17.3851  $[-(2*x^2-3)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A095946 5.93558 [ $-(80117*x^4-321048*x^3+482602*x^2-322036*x+80557)/(x-1)^5$  ogf]  
A095946 6.60509  $-(80749-322940*x+80117*x^4+484662*x^2-321628*x^3)/(x-1)/(80117*x^4-321048*x^3+482602*x^2-322036*x+80557)$  lgdogf  
A095974 4.93117 [ $-(316781*x^4-1208862*x^3+1733458*x^2-1106836*x+265483)/(x-1)^5$  ogf]  
A095974 5.39876  $-(220579-960428*x+316781*x^4+1573788*x^2-1150600*x^3)/(x-1)/(316781*x^4-1208862*x^3+1733458*x^2-1106836*x+265483)$  lgdogf  
A095977 13.6754 [ $2/(2*x-1)^2/(x+1)^2$  ogf]  
A095977 27.3593  $-2*(1+4*x)/(x+1)/(2*x-1)$  lgdogf  
A095977 4.40851 [ $\{(n+3)*a(n+3)+(-4-n)*a(n+2)+(-10-2*n)*a(n+1), a(0) = 2, a(1) = 4, a(2) = 14\}$ , ogf]  
A095982 11.5040 [ $-(x^2+x+2)/(x+1)/(x^3-x^2+2*x-1)$  ogf]  
A095982 11.8559  $-(3+6*x+2*x^5+3*x^4+8*x^3)/(x+1)/(x^2+x+2)/(x^3-x^2+2*x-1)$  lgdogf  
A096000 12.2964 [ $(3*x^2+6*x+1)/(x-1)^4$  ogf]  
A096000 21.6792  $-2*(5+12*x+3*x^2)/(x-1)/(3*x^2+6*x+1)$  lgdogf  
A096000 4.24226 [ $\{(n+4)*a(n+4)+(5+5*n)*a(n+3)+(-30-3*n)*a(n+2)+(-9-3*n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 37, a(3) = 92\}$ , ogf]  
A096019 14.9873 [ $-(x+3)/(x+1)/(3*x-1)$  ogf]  
A096019 15.7475  $1/2/(3*x+1)*(-2*x-3+(16*x^2+16*x+9)^{(1/2)})$  revogf  
A096019 18.8970  $-(7+18*x+3*x^2)/(3*x-1)/(x+3)/(x+1)$  lgdogf  
A096019 8.22472 [ $\{-a(n+2)+2*a(n+1)+3*a(n), a(0) = 3, a(1) = 7\}$ , ogf]  
A096022 10.1953 [ $3*(3*x^4+4*x^3+4*x^2+4*x+5)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A096022 8.43687  $-(9+17*x+27*x^4+3*x^7+19*x^5+11*x^6+25*x^2+49*x^3)/(x-1)/(x+1)/(x^2+1)/(3*x^4+4*x^3+4*x^2+4*x+5)$  lgdogf  
A096023 8.10819 [ $3*(19*x^6+20*x^5+20*x^4+20*x^3+20*x^2+20*x+21)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A096024 15.0654 [ $3*(139*x+141)/(x-1)^2$  ogf]  
A096024 15.7363  $-1/2*(-423-2*x+(178929+3360*x)^{(1/2)})/(-417+x)$  revogf  
A096024 24.1290  $-(421+139*x)/(139*x+141)/(x-1)$  lgdogf  
A096024 8.48511 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 423, a(1) = 1263\}$ , ogf]  
A096025 10.8252 [ $3*(279*x^2+280*x+281)/(x+1)/(x-1)^2$  ogf]  
A096025 11.6569  $-(561+1681*x+839*x^2+279*x^3)/(x-1)/(x+1)/(279*x^2+280*x+281)$  lgdogf  
A096025 6.04409 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 843, a(1) = 1683, a(2) = 3363\}$ , ogf]  
A096026 4.46818 [ $3*(839*x^{10}+840*x^9+840*x^8+840*x^7+840*x^6+840*x^5+840*x^4+840*x^3+840*x^2+840*x+841)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A096045 14.0052 [ $(5*x+1)/(4*x-1)/(x-1)$  ogf]  
A096045 14.3649  $-1/2*(-1-5*x+(1+30*x+9*x^2)^{(1/2)})/(-5+4*x)$  revogf  
A096045 15.4423  $-2*(-5+4*x+10*x^2)/(x-1)/(5*x+1)/(4*x-1)$  lgdogf  
A096045 7.59317 [ $\{-a(n+2)+5*a(n+1)-4*a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A096046 12.7379 [ $(5*x+1)/(9*x-1)/(x-1)$  ogf]  
A096046 12.7592  $-1/2*(-1-10*x+(1+40*x+64*x^2)^{(1/2)})/(-5+9*x)$  revogf  
A096046 14.3541  $-3*(-5+6*x+15*x^2)/(x-1)/(5*x+1)/(9*x-1)$  lgdogf  
A096046 6.97552 [ $\{-a(n+2)+10*a(n+1)-9*a(n), a(0) = 1, a(1) = 15\}$ , ogf]

A096047 4.65799 [ $\{a(n+3)-21a(n+2)+84a(n+1)-64a(n), a(0) = 1, a(1) = 22, a(2) = 346\}$ , ogf]  
A096047 7.27446  $-2*(-11+116*x+1024*x^4-390*x^2-64*x^3)/(x-1)/(4*x-1)/(16*x-1)/(32*x^2-x-1)$  lgdogf  
A096047 8.45605 [ $(32*x^2-x-1)/(x-1)/(4*x-1)/(16*x-1)$  ogf]  
A096048 5.71700 [ $(612*x^3-101*x^2-8*x+1)/(x-1)/(4*x-1)/(36*x-1)/(9*x-1)$  ogf]  
A096053 12.6099 [ $(3*x+1)/(9*x-1)/(x-1)$  ogf]  
A096053 12.6284  $-1/6*(-1-10*x+(1+32*x+64*x^2)^{(1/2)})/(-1+3*x)$  revogf  
A096053 14.2069  $-(-13+18*x+27*x^2)/(x-1)/(3*x+1)/(9*x-1)$  lgdogf  
A096053 6.90542 [ $\{-a(n+2)+10a(n+1)-9a(n), a(0) = 1, a(1) = 13\}$ , ogf]  
A096054 5.83273 [ $-(6*x-1)*(36*x^2+47*x+1)/(x-1)/(4*x-1)/(36*x-1)/(9*x-1)$  ogf]  
A096084 4.46755 [ $-(74*x^3+4508*x^2-1065*x+13)/(2*x-1)/(37*x^3+3984*x^2-153*x+1)$  ogf]  
A096086 3.35960 [ $\{a(n+3)-153a(n+2)+3984a(n+1)+37a(n), a(0) = 3, a(1) = 825, a(2) = 114236\}$ , ogf]  
A096086 5.99929 [ $-(37*x^2-366*x-3)/(37*x^3+3984*x^2-153*x+1)$  ogf]  
A096129 12.0304  $-(9+92*x+x^4+126*x^2+12*x^3)/(x-1)/(x^4+4*x^3+38*x^2+4*x+1)$  lgdogf  
A096129 7.53935 [ $-(x^4+4*x^3+38*x^2+4*x+1)/(x-1)^5$  ogf]  
A096140 10.8852  $-(2*x-1)*(x^2-x+3)*(x^2-x-1)/(x^2-3*x+1)/(x^2-x+1)/(x^2+x-1)$  lgdogf  
A096140 9.08367 [ $-x*(x^2-x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A096166 6.51002  $(-10-344*x^7-68*x^9+105*x^10-2418*x^11+339*x^12+1860*x^13+40*x^8)/(x-1)/(155*x^13+214*x^12+15*x^11+30*x^10+29*x^9+43*x^8+x+9)$  lgdogf  
A096166 8.55369 [ $-(155*x^13+214*x^12+15*x^11+30*x^10+29*x^9+43*x^8+x+9)/(x-1)$  ogf]  
A096200 10.2023 [ $-x^3*(5*x+7)/(x-1)^5$  ogf]  
A096200 34.8835  $-20*(x+2)/(5*x+7)/(x-1)$  lgdogf  
A096200 5.26786 [ $\{7^n*a(n+3)+(-38-2^n)*a(n+2)+(-10-5^n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 7\}$ , ogf]  
A096222 5.32256 [ $\{-a(n+4)+6a(n+3)-48a(n+1)+64a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 30\}$ , ogf]  
A096222 6.83597  $-(3-18*x-144*x^4+1536*x^6-1152*x^5-18*x^2+256*x^3)/(2*x-1)/(4*x-1)/(8*x^2-1)/(24*x^3-9*x^2-3*x+1)$  lgdogf  
A096222 9.38840 [ $-(24*x^3-9*x^2-3*x+1)/(4*x-1)/(2*x-1)/(8*x^2-1)$  ogf]  
A096229 5.62248 [ $-2*x*(15*x^9-x^8-2*x^7-3*x^6-4*x^5+85*x^4+x^3+2*x^2+3*x+4)/(x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]  
A096230 15.2507 [ $-(x^4+3*x^3+5*x^2+7*x+9)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A096230 9.72678  $-(7+10*x+45*x^4+15*x^6+6*x^7+28*x^5+9*x^2+x^8+4*x^3)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+3*x^3+5*x^2+7*x+9)$  lgdogf  
A096231 11.0550 [ $-(x^2+x+1)*(x+1)^2/(x^3+x^2-1)$  ogf]  
A096231 14.1390  $(-3-7*x+x^4+x^5-8*x^2-2*x^3)/(x+1)/(x^2+x+1)/(x^3+x^2-1)$  lgdogf  
A096231 6.40486 [ $\{a(n+5)-a(n+3)-a(n+2), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 7, a(4) = 9\}$ , ogf]  
A096252 9.74672 [ $-4*(4*x^3+2*x^2+x-1)/(16*x^4-4*x^2+1)$  ogf]  
A096261 3.98726 [ $-(9*x^10+10*x^9-7*x^8-8*x^7-1)/(91*x^10-10*x^9-70*x^8+4*x^7+5*x^6-6*x^5+7*x^4-8*x^3+9*x^2-10*x+1)$  ogf]  
A096284 8.97322 [ $-(2*x^4-x^3+2*x^2-x+2)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A096284 9.27802  $-(1+8*x^4-4*x^5+2*x^2+5*x^6-2*x^7+2*x^8)/(x-1)/(x^2+x+1)/(x^2-x+1)/(2*x^4-x^3+2*x^2-x+2)$  lgdogf  
A096285 10.9882 [ $-(x^2+1)^2/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A096285 15.0309  $-(1+2*x+4*x^4+x^6-2*x^3)/(x-1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A096285 24.0002 [ $[x^5-2*x^3+x+1]$  ogf\_with\_Euler\_transform]  
A096286 4.59974 [ $2*(x^22+x^21+6*x^19+6*x^17+3*x^16+3*x^15+10*x^14+13*x^13+x^12+7*x^10+9*x^9-4*x^8-5*x^7-9*x^6-4*x^5-14*x^4-11*x^3-6*x^2-6*x-3)/(x-1)$  ogf]  
A096302 14.2376 [ $81/(10*x-1)^2$  ogf]  
A096302 20.6281  $4*x/(9+(81+40*x)^{(1/2)})^2$  revogf  
A096302 39.6694  $-20/(-1+10*x)$  lgdogf

A096302 5.91901 [  $\{-a(n+2)+20*a(n+1)-100*a(n), a(0) = 81, a(1) = 1620\}$ , ogf]  
A096307 35.8406  $-7+x+(1-x)*f(x)$  lgdegf  
A096307 4.06793 [  $\{(-n-2)*a(n+1)+(n+9)*a(n+2)-a(n+3), a(0) = 1, a(1) = 7, a(2) = 55\}$ , ogf]  
A096320 6.21549 [  $-(2*x^14+3*x^13+5*x^12+8*x^11+2*x^10+5*x^9-5*x^7+5*x^5+2*x^4+8*x^3+5*x^2+3*x+2)/(x-1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A096338 11.0663 [  $-x/(x+1)^3/(x-1)^5$  ogf]  
A096338 36.1981  $-2*(1+4*x)/(x-1)/(x+1)$  lgdogf  
A096338 38.2479 [  $[2+3*x]$  ogf\_with\_Euler\_transform]  
A096338 6.07401 [  $\{(-2-n)*a(n+3)+2*a(n+2)+(8+n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A096341 3.64568 [  $\{(-n-2)*a(n+1)+(n+10)*a(n+2)-a(n+3), a(0) = 1, a(1) = 8, a(2) = 71\}$ , ogf]  
A096341 32.2986  $-8+x+(1-x)*f(x)$  lgdegf  
A096363 11.2932  $5*(1-10*x+50*x^2)/(10*x-1)/(25*x^2+5*x-1)$  lgdogf  
A096363 5.21003 [  $\{-a(n+3)+10*a(n+2), a(0) = 60, a(1) = 300, a(2) = 1500\}$ , ogf]  
A096363 9.11756 [  $60*(25*x^2+5*x-1)/(10*x-1)$  ogf]  
A096367 11.0410 [  $-2*(2*x^2-1)/(x-1)/(2*x-1)^3$  ogf]  
A096367 16.1427  $-(7-12*x-2*x^2+8*x^3)/(x-1)/(2*x-1)/(2*x^2-1)$  lgdogf  
A096372 6.49570 [  $-(2004599*x^4-7659968*x^3+10998014*x^2-7030812*x+1688311)/(x-1)^5$  ogf]  
A096372 6.88111  $-(1410743-6127220*x+2004599*x^4+10014138*x^2-7301540*x^3)/(x-1)/(2004599*x^4-7659968*x^3+10998014*x^2-7030812*x+1688311)$  lgdogf  
A096376 13.7809 [  $-(3*x^2-x+2)/(x-1)^3$  ogf]  
A096376 25.7833  $-(5+4*x+3*x^2)/(x-1)/(3*x^2-x+2)$  lgdogf  
A096376 7.43923 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 5, a(2) = 12\}$ , ogf]  
A096382 11.3003 [  $6*(x^2-4*x+5)/(x-1)^4$  ogf]  
A096382 24.6145  $-2*(8-5*x+x^2)/(x-1)/(x^2-4*x+5)$  lgdogf  
A096382 3.91376 [  $\{(5*n+20)*a(n+4)+(-43-9*n)*a(n+3)+(5*n+20)*a(n+2)+(-3-n)*a(n+1), a(0) = 30, a(1) = 96, a(2) = 210, a(3) = 384\}$ , ogf]  
A096383 17.5990  $-2*(20-19*x+5*x^2)/(x-1)/(5*x^2-16*x+14)$  lgdogf  
A096383 9.97474 [  $6*(5*x^2-16*x+14)/(x-1)^4$  ogf]  
A096386 11.6266 [  $x^2*(x^4+x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A096386 8.77860  $-(2+4*x+8*x^6+4*x^4+3*x^9+x^8+6*x^7+10*x^5+3*x^2+7*x^3)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^2+x+1)$  lgdogf  
A096398 10.4679  $2*(1+3*x^6+7*x^4-9*x^5-x^2+2*x^3)/(x-1)/(x+1)/(2*x^5-5*x^4+4*x^3-3*x^2+2*x-1)$  lgdogf  
A096398 8.83604 [  $(x+1)*(2*x^5-5*x^4+4*x^3-3*x^2+2*x-1)/(x-1)^3$  ogf]  
A096400 11.5031 [  $-(91*x^2+x-89)/(x+1)/(x-1)^2$  ogf]  
A096400 13.8886  $-(88-84*x+93*x^2+91*x^3)/(x-1)/(x+1)/(91*x^2+x-89)$  lgdogf  
A096400 6.30172 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 89, a(1) = 88, a(2) = 86\}$ , ogf]  
A096406 14.3103 [  $4*(x^3-x^2-1)/(x-1)/(x+1)/(2*x^2+1)$  ogf]  
A096406 15.2528  $-x^2*(x^2+2*x^4-4*x^3+3-8*x)/(x-1)/(x+1)/(2*x^2+1)/(x^3-x^2-1)$  lgdogf  
A096431 7.70860 [  $(x+1)*(x^8+2*x^7-x^6+8*x^5+x^4+8*x^3-x^2+2*x+1)/(x-1)^2/(x^4+x^3+x^2+x+1)^2$  ogf]  
A096472 19.9107 [  $3600/(x-1)^2$  ogf]  
A096472 31.9454  $x/(30+(900+x)^{1/2})^2$  revogf  
A096472 8.14528 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 3600, a(1) = 7200\}$ , ogf]  
A096472 87.8498  $-2/(x-1)$  lgdogf  
A096531 4.34868 [  $-x^2*(32*x^7-60*x^5-48*x^4+33*x^3+31*x^2-5*x-4)/(2*x-1)/(2*x+1)/(x-1)/(2*x^2-1)/(8*x^2-1)$  ogf]  
A096582 16.0715 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 100, a(1) = 99\}$ , ogf]  
A096582 27.8792 [  $-(101*x-100)/(x-1)^2$  ogf]  
A096582 45.0743  $-(99+101*x)/(101*x-100)/(x-1)$  lgdogf  
A096613 6.49635  $-(536+1072*x+1609*x^4+537*x^6+1073*x^5+1608*x^2+2148*x^3+x^7)/(x-1)/(x+1)/(x^2+1)/(x^4+268*x^3+268*x^2+268*x+268)$  lgdogf  
A096613 8.80992 [  $(x^4+268*x^3+268*x^2+268*x+268)/(x+1)/(x^2+1)/(x-1)^2$  ogf]

A096625 11.8928 [  $-(48*x^{31}+9*x^{15}-3*x^8+4*x^7+x^3+1)/(x-1)$  ogf]  
A096625 7.64343  
 $(-1-21*x^8-28*x^6-3*x^2+2*x^3+48*x^7+126*x^{15}-135*x^{14}-1488*x^{30}+1440*x^{31})/(x-1)/(48*x^{31}+9*x^{15}-3*x^8+4*x^7+x^3+1)$  lgdogf  
A096630 3.44148 [  $-(4*x^7+116692953951*x^6-116692953960*x^5-x^2-23338590790*x+23338590792)/(5*x^5-1)/(x-1)^2$  ogf]  
A096654 4.49360 [  $\{(-n-3)*a(n+1)+(-n-4)*a(n+2)+a(n+3), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A096680 7.39899 [  $-(41*x^{14}-39*x^{13}-2*x^{12}+4*x^6-3*x^5-x^4+2*x^2+109*x-112)/(x-1)^2$  ogf]  
A096727 21.0104 [  $-(-4*x-8)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A096740 14.7245 [  $-(x^{21}-x^{11}-x^{10})/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A096748 14.4127 [  $-(x+1)^2/(x^4+x^2-1)$  ogf]  
A096748 22.3854  $-2*(1+x+x^4+2*x^3)/(x+1)/(x^4+x^2-1)$  lgdogf  
A096749 15.7003  $-(-x^5+x^3+x^2)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A096750 11.3526 [  $-(x^2-x+1)/(x^4+x^3-2*x^2+2*x-1)$  ogf]  
A096750 12.0030  $-(x+1)*(2*x^4-4*x^3+6*x^2-3*x+1)/(x^2-x+1)/(x^4+x^3-2*x^2+2*x-1)$  lgdogf  
A096765 16.3871 [  $-(x^3-x^2-x)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A096773 12.6365 [  $-x*(2*x-3)/(2*x-1)/(2*x+1)/(x-1)$  ogf]  
A096773 13.3923  $-(1+24*x-44*x^2+16*x^3)/(x-1)/(2*x+1)/(2*x-1)/(2*x-3)$  lgdogf  
A096773 6.48902 [  $\{-a(n+3)+a(n+2)+4*a(n+1)-4*a(n), a(0) = 0, a(1) = 3, a(2) = 1\}$ , ogf]  
A096777 11.3592 [  $-(x^4+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A096777 13.5520  $-(2+2*x+2*x^4+x^6+2*x^5+5*x^2+4*x^3)/(x-1)/(x^2+x+1)/(x^4+1)$  lgdogf  
A096777 22.3111 [  $-x^7+x^3+x^2+2$  ogf\_with\_Euler\_transform]  
A096778 16.5909 [  $-(x^5-x-1)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A096881 13.7816  $-1/17*17^{(1/2)}*(\operatorname{arcsinh}(4)-\operatorname{arcsinh}(4+17*x))$  revegef  
A096881 14.4083 [  $-(4*x+1)/(17*x^2-1)$  ogf]  
A096881 16.0164  $-2*(2+17*x+34*x^2)/(1+4*x)/(17*x^2-1)$  lgdogf  
A096881 9.31000 [  $\{-a(n+2)+17*a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A096882 13.6234  $-1/10*2^{(1/2)}*(\operatorname{arcsinh}(7)-\operatorname{arcsinh}(7+50*x))$  revegef  
A096882 13.9087 [  $-(7*x+1)/(50*x^2-1)$  ogf]  
A096882 15.4644  $-(7+100*x+350*x^2)/(7*x+1)/(50*x^2-1)$  lgdogf  
A096882 8.98718 [  $\{-a(n+2)+50*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A096883 11.3206  $-1/101*101^{(1/2)}*(\operatorname{arcsinh}(10)-\operatorname{arcsinh}(10+101*x))$  revegef  
A096883 12.6125 [  $-(10*x+1)/(101*x^2-1)$  ogf]  
A096883 13.2534  $-2*(5+101*x+505*x^2)/(1+10*x)/(101*x^2-1)$  lgdogf  
A096883 8.28285 [  $\{-a(n+2)+101*a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A096884 17.1783 [  $-1/(101*x-1)$  ogf]  
A096884 22.6565  $1/101*\ln(1+101*x)$  revegef  
A096884 25.6774  $-101/(-1+101*x)$  lgdogf  
A096884 7.31669 [  $\{a(n+1)-101*a(n), a(0) = 1\}$ , ogf]  
A096885 11.2886 [  $-1/(x^2+100*x-1)$  ogf]  
A096885 16.7461  $-2*(50+x)/(x^2-1+100*x)$  lgdogf  
A096885 4.59420 [  $\{-a(n+2)+100*a(n+1)+a(n), a(0) = 1, a(1) = 100\}$ , ogf]  
A096885 9.17050  $1/2/x*(-100*x-1+(10004*x^2+200*x+1)^{(1/2)})$  revogf  
A096886 10.4025 [  $\{a(n+2)-8*a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A096886 16.2380 [  $-(3*x+1)/(8*x^2-1)$  ogf]  
A096886 16.3144  $1/2/(8*x+3)*(-1+((1+4*x)*(1+8*x))^{(1/2)})$  revogf  
A096886 19.1934  $-(3+16*x+24*x^2)/(3*x+1)/(8*x^2-1)$  lgdogf  
A096911 16.2884 [  $-(-x^5+x^2+1)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A096914 13.6098 [  $-(-x^3-x^2+x+2)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A096920 15.6276 [  $-(x^3-2*x^2+2*x-2)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A096938 13.7531 [  $-(-x^8-x^6-x^2-1)/(-x^{10}+1)$  ogf\_with\_Euler\_transform]  
A096941 13.2136 [  $-(4*x-5)/(x-1)^4$  ogf]  
A096941 31.6358  $-4*(-4+3*x)/(x-1)/(4*x-5)$  lgdogf  
A096941 5.20021 [  $\{(5*n+15)*a(n+3)+(-34-9*n)*a(n+2)+(16+4*n)*a(n+1), a(0) = 5, a(1) = 16, a(2) = 34\}$ , ogf]  
A096942 10.9907 [  $(4*x-5)/(x-1)^5$  ogf]

A096942 30.6274  $-(21+16x)/(x-1)/(4x-5)$  lgdogf  
A096942 5.03444  $[{(5n+15)a(n+3)+(-39-9n)a(n+2)+(20+4n)a(n+1), a(0) = 5, a(1) = 21, a(2) = 55}, \text{ogf}]$   
A096943 27.6064  $-2*(-13+10x)/(x-1)/(4x-5)$  lgdogf  
A096943 4.90133  $[{(5n+15)a(n+3)+(-44-9n)a(n+2)+(24+4n)a(n+1), a(0) = 5, a(1) = 26, a(2) = 81}, \text{ogf}]$   
A096943 9.49632  $[-(4x-5)/(x-1)^6 \text{ogf}]$   
A096944 27.5873  $-(-31+24x)/(x-1)/(4x-5)$  lgdogf  
A096944 4.50990  $[{(5n+15)a(n+3)+(-49-9n)a(n+2)+(28+4n)a(n+1), a(0) = 5, a(1) = 31, a(2) = 112}, \text{ogf}]$   
A096944 7.90500  $[(4x-5)/(x-1)^7 \text{ogf}]$   
A096945 26.8015  $-4*(-9+7x)/(x-1)/(4x-5)$  lgdogf  
A096945 4.38231  $[{(5n+15)a(n+3)+(-54-9n)a(n+2)+(32+4n)a(n+1), a(0) = 5, a(1) = 36, a(2) = 148}, \text{ogf}]$   
A096945 6.97593  $[-(4x-5)/(x-1)^8 \text{ogf}]$   
A096946 26.8037  $-(-41+32x)/(x-1)/(4x-5)$  lgdogf  
A096946 4.38181  $[{(5n+15)a(n+3)+(-59-9n)a(n+2)+(36+4n)a(n+1), a(0) = 5, a(1) = 41, a(2) = 189}, \text{ogf}]$   
A096946 6.27121  $[(4x-5)/(x-1)^9 \text{ogf}]$   
A096947 24.8064  $-2*(-23+18x)/(x-1)/(4x-5)$  lgdogf  
A096947 4.37885  $[{(5n+15)a(n+3)+(-64-9n)a(n+2)+(40+4n)a(n+1), a(0) = 5, a(1) = 46, a(2) = 235}, \text{ogf}]$   
A096947 5.50888  $[-(4x-5)/(x-1)^{10} \text{ogf}]$   
A096951 12.0910  $[-(6x-1)/(9x-1)/(4x-1) \text{ogf}]$   
A096951 12.6477  $-1/12*(-1-13x+(1+2x+25x^2)^{1/2})/(1+6x)$  revogf  
A096951 13.2500  $-(-7-72x+216x^2)/(6x-1)/(-1+4x)/(9x-1)$  lgdogf  
A096951 6.76520  $[{a(n+2)-13a(n+1)+36a(n), a(0) = 1, a(1) = 7}, \text{ogf}]$   
A096957 12.9484  $[-(5x-6)/(x-1)^4 \text{ogf}]$   
A096957 30.9923  $-(-19+15x)/(x-1)/(5x-6)$  lgdogf  
A096957 5.06315  $[{(6n+18)a(n+3)+(-41-11n)a(n+2)+(20+5n)a(n+1), a(0) = 6, a(1) = 19, a(2) = 40}, \text{ogf}]$   
A096958 10.6054  $[(5x-6)/(x-1)^5 \text{ogf}]$   
A096958 29.5372  $-5*(-5+4x)/(x-1)/(5x-6)$  lgdogf  
A096958 4.82680  $[{(6n+18)a(n+3)+(-47-11n)a(n+2)+(25+5n)a(n+1), a(0) = 6, a(1) = 25, a(2) = 65}, \text{ogf}]$   
A096959 28.8694  $-(-31+25x)/(x-1)/(5x-6)$  lgdogf  
A096959 4.71767  $[{(6n+18)a(n+3)+(-53-11n)a(n+2)+(30+5n)a(n+1), a(0) = 6, a(1) = 31, a(2) = 96}, \text{ogf}]$   
A096959 9.19946  $[-(5x-6)/(x-1)^6 \text{ogf}]$   
A096975 11.5040  $[-(2x^2+2x-3)/(x^3-2x^2-x+1) \text{ogf}]$   
A096975 12.0639  $-(-1+8x+2x^4+4x^3-11x^2)/(2x^2+2x-3)/(x^3-2x^2-x+1)$  lgdogf  
A096975 6.26559  $[{-a(n+3)+a(n+2)+2a(n+1)-a(n), a(0) = 3, a(1) = 1, a(2) = 5}, \text{ogf}]$   
A096976 12.9125  $[-(x^2+x-1)/(x^3-2x^2-x+1) \text{ogf}]$   
A096976 16.9639  $-x*(2x^3+2x^2-4x)/(x^2+x-1)/(x^3-2x^2-x+1)$  lgdogf  
A096976 7.09608  $[{a(n+3)-a(n+2)-2a(n+1)+a(n), a(0) = 1, a(1) = 0, a(2) = 1}, \text{ogf}]$   
A096977 11.6465  $-2*(1+4x+24x^3-20x^2)/(x-1)/(2x+1)/(2x-1)/(-1+4x)$  lgdogf  
A096977 3.30058  $[{(-8n-16)a(n+1)+(6n+4)a(n+2)+(3n+4)a(n+3)+(-n-1)a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 11}, \text{ogf}]$   
A096977 9.85173  $[x*(2x-1)/(2x+1)/(4x-1)/(x-1)^2 \text{ogf}]$   
A096978 12.3986  $[-x/(2x+1)/(4x-1)/(x-1)^2 \text{ogf}]$   
A096978 16.0944  $-2*(-2-5x+16x^2)/(x-1)/(2x+1)/(-1+4x)$  lgdogf  
A096978 3.36446  $[{(-3-n)a(n+4)+(10+3n)a(n+3)+(16+6n)a(n+2)+(-32-8n)a(n+1), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 19}, \text{ogf}]$   
A096979 14.2777  $-2*(3-9x^2+2x^3)/(x-1)/(x+1)/(x^2+1-6x)$  lgdogf  
A096979 14.8521  $[-x/(x-1)/(x+1)/(x^2-6x+1) \text{ogf}]$   
A096980 14.1953  $[-(3x+1)/(7x^2+2x-1) \text{ogf}]$   
A096980 14.9066  $1/2/(3+7x)*(-1-2x+(1+16x+32x^2)^{1/2})$  revogf  
A096980 16.4757  $-(-5+14x+21x^2)/(3x+1)/(7x^2+2x-1)$  lgdogf  
A096980 7.79010  $[{a(n+2)-2a(n+1)-7a(n), a(0) = 1, a(1) = 5}, \text{ogf}]$



A096981 13.8635  $[-(-x^5-x^4-x^2-1)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A097038 14.6283  $[x/(2*x^2-1)/(2*x-1)/(x+1)$  ogf]  
A097038 15.3542  $-(-1-8*x+6*x^2+16*x^3)/(2*x-1)/(x+1)/(2*x^2-1)$  lgdogf  
A097039 13.8630  $-(-7+3*x+3*x^4-17*x^3)/(x-1)/(x^2+x-1)/(x^2-4*x-1)$  lgdogf  
A097039 8.51459  $[x*(x^2-4*x-1)/(x-1)/(x^2+x-1)^2$  ogf]  
A097040 12.3857  $[-2*x^2/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A097040 14.7677  $-2*(x-2)*(2*x-1)*(x+1)/(x^2-3*x+1)/(x^2+x-1)$  lgdogf  
A097041 13.7436  $[-(x+1)/(9*x^3+x^2-1)$  ogf]  
A097041 15.7103  $-(1+2*x+28*x^2+18*x^3)/(x+1)/(9*x^3+x^2-1)$  lgdogf  
A097041 7.16423  $[{a(n+3)-a(n+1)-9*a(n), a(0) = 1, a(1) = 1, a(2) = 1},$  ogf]  
A097045 4.87181  $[x^{72}-x^{68}-x^{67}+x^{66}+8*x^{15}+7*x^{14}+6*x^{13}+5*x^{12}+4*x^{11}+11*x^{10}+9*x^9-9*x^8-x^7-x^6-x^5-x^4-x^3-x^2+1)/(x^{72}-x^{67}+x^{66}+8*x^9-9*x^8+1)$  ogf]  
A097057 7.52777  $[-(4*x^6+2*x^4-2*x^3+6*x^2+2*x+4)/(-x^7-x^6-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A097062 10.2339  $[{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = -1, a(2) = 3},$  ogf]  
A097062 18.7902  $[ (3*x^2-2*x+1)/(x+1)/(x-1)^2$  ogf]  
A097062 25.1726  $-(-1+7*x-x^2+3*x^3)/(x-1)/(x+1)/(3*x^2-2*x+1)$  lgdogf  
A097063 13.5364  $[ -(3*x^2-2*x+1)/(x+1)/(x-1)^3$  ogf]  
A097063 21.4145  $-6*x*(1+x^2)/(x-1)/(x+1)/(3*x^2-2*x+1)$  lgdogf  
A097064 12.7705  $[ (6*x^2-4*x+1)/(2*x-1)^2$  ogf]  
A097064 25.6398  $-4*x/(2*x-1)/(6*x^2-4*x+1)$  lgdogf  
A097064 6.70138  $[{-a(n+3)+4*a(n+2)-4*a(n+1), a(0) = 1, a(1) = 0, a(2) = 2},$  ogf]  
A097065 14.6511  $[ (2*x^2-2*x+1)/(x+1)/(x-1)^2$  ogf]  
A097065 18.8316  $-(-1+5*x+2*x^3-2*x^2)/(x-1)/(x+1)/(2*x^2-2*x+1)$  lgdogf  
A097065 7.97964  $[{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = -1, a(2) = 2},$  ogf]  
A097066 13.8454  $[ -(2*x^2-2*x+1)/(x+1)/(x-1)^3$  ogf]  
A097066 19.8188  $-2*x*(2+2*x^2-x)/(x-1)/(x+1)/(2*x^2-2*x+1)$  lgdogf  
A097066 4.08006  $[{(2*n^2+4*n)*a(n)+(n^2+13*n+24)*a(n+1)+(-2*n^2+2*n+12)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 2},$  ogf]  
A097067 12.3855  $[ (5*x^2-4*x+1)/(2*x-1)^2$  ogf]  
A097067 24.8549  $-2*x/(2*x-1)/(5*x^2-4*x+1)$  lgdogf  
A097067 6.49933  $[{-a(n+3)+4*a(n+2)-4*a(n+1), a(0) = 1, a(1) = 0, a(2) = 1},$  ogf]  
A097068 12.8240  $[ 3*x/(4*x^2-14*x+1)$  ogf]  
A097068 18.4159  $-2*(x-7+4*x)/(4*x^2+1-14*x)$  lgdogf  
A097068 5.94283  $[{a(n+2)-14*a(n+1)+4*a(n), a(0) = 0, a(1) = 3},$  ogf]  
A097068 9.03420  $-1/8*(-14*x-3+(1+6*x)^(1/2)*(10*x+3)^(1/2)*3^(1/2))/x$  revogf  
A097070 5.56582  $[{(-4*n^2-2*n)*a(n)+(5*n^2+14*n+9)*a(n+1)+(-n^2-3*n-2)*a(n+2), a(0) = 1, a(1) = 2},$  ogf]  
A097072 11.8079  $[ (2*x^2-2*x+1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A097072 11.8299  $-2*x*(-3+2*x^3-4*x^2+6*x)/(x-1)/(-1+2*x)/(x+1)/(2*x^2-2*x+1)$  lgdogf  
A097072 6.48902  $[{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 1, a(1) = 0, a(2) = 3},$  ogf]  
A097073 13.5902  $[ -(2*x^2-x+1)/(2*x-1)/(x+1)$  ogf]  
A097073 19.1836  $4*x*(-2+x)/(-1+2*x)/(x+1)/(2*x^2-x+1)$  lgdogf  
A097073 7.13150  $[{-a(n+3)+a(n+2)+2*a(n+1), a(0) = 1, a(1) = 0, a(2) = 4},$  ogf]  
A097074 11.5525  $-(-1-6*x+4*x^4-4*x^3+11*x^2)/(x-1)/(2*x-1)/(x+1)/(2*x^2-x+1)$  lgdogf  
A097074 11.5903  $[ (2*x^2-x+1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A097074 6.31260  $[{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 1, a(1) = 1, a(2) = 5},$  ogf]  
A097075 11.7656  $[ (x^2+x-1)/(x+1)/(x^2+2*x-1)$  ogf]  
A097075 15.0511  $-x*(-4+2*x^2+x^3-x)/(x+1)/(x^2+x-1)/(x^2+2*x-1)$  lgdogf  
A097075 6.46580  $[{a(n+3)-a(n+2)-3*a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = 2},$  ogf]  
A097076 17.0976  $[ -x/(x+1)/(x^2+2*x-1)$  ogf]  
A097076 23.7187  $-(-1+6*x+3*x^2)/(x+1)/(x^2+2*x-1)$  lgdogf  
A097076 6.93148  $[{-a(n+3)+a(n+2)+3*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 1},$

ogf]  
 A097080 13.8447 [  $-(3x^2-2x+3)/(x-1)^3$  ogf]  
 A097080 24.3811  $-(7+2x+3x^2)/(x-1)/(3x^2-2x+3)$  lgdogf  
 A097080 7.47367 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 3, a(1) = 7, a(2) = 15\}$ ,  
 ogf]  
 A097081 12.4767  $-(-1+4x+x^4-4x^3-6x^2)/(x-1)/(x^4+4x^3-6x^2+4x-1)$  lgdogf  
 A097081 9.09194 [  $(x-1)^3/(x^4+4x^3-6x^2+4x-1)$  ogf]  
 A097083 15.6212  $-(-2+2x+5x^4-3x^2)/(-1+x)/(1+x^2)/(x^2+x-1)$  lgdogf  
 A097083 16.2893 [  $1/(x-1)/(x^2+1)/(x^2+x-1)$  ogf]  
 A097108 8.04426 [  $-(2x^7+4x^6+3x^5+5x^4+4x^3+3x^2+2x+1)/(x+1)/(x^2-x+1)/$   
 $(x-1)^3/(x^2+x+1)^3$  ogf]  
 A097109 9.35240 [  $-(2x^5-x^4+x^3+2x^2+x-1)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
 A097110 11.8554  $-2*(1+3x+2x^6-3x^4-4x^3)/(x-1)/(x+1)/(2x^2-1)/(2x^3-2x-1)$   
 lgdogf  
 A097110 13.5736 [  $-(2x^3-2x-1)/(x-1)/(x+1)/(2x^2-1)$  ogf]  
 A097111 10.5590 [  $-(12x^3+2x^2-3x-1)/(2x-1)/(2x+1)/(5x^2-1)$  ogf]  
 A097111 7.62467  $-(3+14x+240x^6+80x^5-72x^4-80x^3-9x^2)/(2x+1)/(2x-1)/$   
 $(5x^2-1)/(12x^3+2x^2-3x-1)$  lgdogf  
 A097112 6.27519  $-2*(2+13x-16x^2-180x^3-198x^4+540x^5+1620x^6)/(3x-1)/(3x$   
 $+1)/(10x^2-1)/(36x^3+6x^2-4x-1)$  lgdogf  
 A097112 9.32528 [  $-(36x^3+6x^2-4x-1)/(3x-1)/(3x+1)/(10x^2-1)$  ogf]  
 A097113 5.90568  $-(5+42x-75x^2-1088x^3-1440x^4+6528x^5+21760x^6)/(-1+4x)/$   
 $(4x+1)/(17x^2-1)/(80x^3+12x^2-5x-1)$  lgdogf  
 A097113 8.86896 [  $-(80x^3+12x^2-5x-1)/(4x-1)/(4x+1)/(17x^2-1)$  ogf]  
 A097114 8.19665 [  $-(392x^3+42x^2-8x-1)/(7x+1)/(7x-1)/(50x^2-1)$  ogf]  
 A097115 7.30199 [  $-(1100x^3+90x^2-11x-1)/(10x+1)/(10x-1)/(101x^2-1)$  ogf]  
 A097116 12.6993 [  $(x-1)/(3x^3-x^2+2x-1)$  ogf]  
 A097116 14.3332  $-(-1+2x-10x^2+6x^3)/(x-1)/(3x^3-x^2+2x-1)$  lgdogf  
 A097116 6.00948 [  $\{-a(n+3)+2a(n+2)-a(n+1)+3a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$ ,  
 ogf]  
 A097117 13.4768 [  $(x-1)/(4x^3-x^2+2x-1)$  ogf]  
 A097117 15.2290  $-(-1+2x+8x^3-13x^2)/(x-1)/(4x^3-x^2+2x-1)$  lgdogf  
 A097117 6.37741 [  $\{-a(n+3)+2a(n+2)-a(n+1)+4a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$ ,  
 ogf]  
 A097118 13.1556 [  $(x-1)/(5x^3-x^2+2x-1)$  ogf]  
 A097118 14.5456  $-(-1+2x+10x^3-16x^2)/(x-1)/(5x^3-x^2+2x-1)$  lgdogf  
 A097118 6.22541 [  $\{-a(n+3)+2a(n+2)-a(n+1)+5a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$ ,  
 ogf]  
 A097119 10.5280 [  $-(x-1)^2/(2x-1)/(x^3+x^2-x+1)$  ogf]  
 A097119 12.9514  $-(-1+3x-3x^2-7x^3+4x^4)/(x-1)/(2x-1)/(x^3+x^2-x+1)$  lgdogf  
 A097120 11.5923  $-(-1+3x-3x^2-11x^3+6x^4)/(x-1)/(3x^4+x^3-3x^2+3x-1)$   
 lgdogf  
 A097120 9.94517 [  $-(x-1)^2/(3x^4+x^3-3x^2+3x-1)$  ogf]  
 A097121 10.3972 [  $-(x-1)^2/(4x^4+x^3-3x^2+3x-1)$  ogf]  
 A097121 12.1301  $-(-1+3x+8x^4-15x^3-3x^2)/(x-1)/(4x^4+x^3-3x^2+3x-1)$   
 lgdogf  
 A097122 11.3745 [  $-(x-1)^2/(4x^3-3x^2+3x-1)$  ogf]  
 A097122 14.1717  $-(-1+3x+4x^3-12x^2)/(x-1)/(4x^3-3x^2+3x-1)$  lgdogf  
 A097122 6.19504 [  $\{-a(n+3)+3a(n+2)-3a(n+1)+4a(n), a(0) = 1, a(1) = 1, a(2) =$   
 $1\}$ , ogf]  
 A097123 11.1507 [  $-(x-1)^2/(5x^3-3x^2+3x-1)$  ogf]  
 A097123 13.8901  $-(-1+3x+5x^3-15x^2)/(x-1)/(5x^3-3x^2+3x-1)$  lgdogf  
 A097123 6.07317 [  $\{-a(n+3)+3a(n+2)-3a(n+1)+5a(n), a(0) = 1, a(1) = 1, a(2) =$   
 $1\}$ , ogf]  
 A097124 10.7614 [  $-(x-1)^2/(6x^3-3x^2+3x-1)$  ogf]  
 A097124 13.3982  $-(-1+3x-18x^2+6x^3)/(x-1)/(6x^3-3x^2+3x-1)$  lgdogf  
 A097124 5.86110 [  $\{-a(n+3)+3a(n+2)-3a(n+1)+6a(n), a(0) = 1, a(1) = 1, a(2) =$   
 $1\}$ , ogf]  
 A097131 10.2690  $-(1+4x+2x^5+2x^6-4x^3+3x^4-3x^2)/(x^2+x-1)/(x^2-x-1)/$   
 $(2x^3+x^2-x-1)$  lgdogf  
 A097131 11.9179 [  $-(2x^3+x^2-x-1)/(x^2+x-1)/(x^2-x-1)$  ogf]

A097131 7.30816  $[ \{a(n+4)-3*a(n+2)+a(n), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 1\},$   
ogf ]  
A097132 8.17645  $-(-2-4*x-11*x^4+6*x^3+11*x^2-6*x^5+x^6+4*x^7)/(x-1)/(x^2+x-1)/$   
 $(x^2-x-1)/(2*x^3+x^2-x-1)$  lgdogf  
A097132 8.53876  $[ (2*x^3+x^2-x-1)/(x-1)/(x^2+x-1)/(x^2-x-1)$  ogf ]  
A097133 12.8961  $-(2+8*x+2*x^4+4*x^3+7*x^2)/(x+1)/(2*x^2+2*x+1)/(x^2+x-1)$  lgdogf  
A097133 12.9233  $[ -(2*x^2+2*x+1)/(x+1)/(x^2+x-1)$  ogf ]  
A097133 7.83647  $[ \{a(n+3)-2*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 4\},$  ogf ]  
A097134 14.0088  $[ (x^2+1)/(x^2-3*x+1)$  ogf ]  
A097134 19.7972  $-3*(x-1)*(x+1)/(x^2+1)/(x^2-3*x+1)$  lgdogf  
A097134 6.72974  $[ \{a(n+3)-3*a(n+2)+a(n+1), a(0) = 1, a(1) = 3, a(2) = 9\},$  ogf ]  
A097135 15.3455  $[ (x^2-2*x-1)/(x^2+x-1)$  ogf ]  
A097135 25.7631  $3*(1+x^2)/(x^2+x-1)/(x^2-2*x-1)$  lgdogf  
A097135 7.97363  $[ \{a(n+3)-a(n+2)-a(n+1), a(0) = 1, a(1) = 3, a(2) = 3\},$  ogf ]  
A097136 12.9966  $[ (2*x^2-1)/(x-1)/(x^2-3*x+1)$  ogf ]  
A097136 13.2635  $-(-4+12*x+2*x^4-11*x^2)/(x-1)/(x^2-3*x+1)/(2*x^2-1)$  lgdogf  
A097136 6.55581  $[ \{a(n+3)-4*a(n+2)+4*a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 10\},$   
ogf ]  
A097137 12.8470  $[ -x^2/(x+1)/(3*x-1)/(x-1)^2$  ogf ]  
A097137 18.3210  $-4*(-1+3*x^2)/(-1+x)/(3*x-1)/(x+1)$  lgdogf  
A097137 3.38444  $[ \{(-3*n-9)*a(n+1)+a(n+2)*n+(3*n+7)*a(n+3)+(-n-2)*a(n+4), a(0) =$   
 $0, a(1) = 0, a(2) = 1, a(3) = 4\},$  ogf ]  
A097138 11.7823  $[ -x^2/(x+1)/(4*x-1)/(x-1)^2$  ogf ]  
A097138 17.6579  $-(-5+x+16*x^2)/(x-1)/(-1+4*x)/(x+1)$  lgdogf  
A097139 13.1013  $[ -x^2/(x+1)/(5*x-1)/(x-1)^2$  ogf ]  
A097139 16.7266  $-2*(5*x+3)*(2*x-1)/(x-1)/(5*x-1)/(x+1)$  lgdogf  
A097139 3.27534  $[ \{(-5*n-15)*a(n+1)+(n-2)*a(n+2)+(5*n+11)*a(n+3)+(-n-2)*a(n+4),$   
 $a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6\},$  ogf ]  
A097140 13.0835  $[ -x*(2*x+1)/(x-1)/(x+1)^2$  ogf ]  
A097140 27.1018  $-(-1+x+4*x^2)/(x-1)/(2*x+1)/(x+1)$  lgdogf  
A097140 6.71854  $[ \{-a(n+3)-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 1\},$   
ogf ]  
A097141 15.0506  $[ x*(2*x+1)/(x+1)^2$  ogf ]  
A097141 25.8632  $-1/2*(2*x-1+(1+4*x)^(1/2))/(-2+x)$  revogf  
A097141 47.4158  $-2*x/(x+1)/(2*x+1)$  lgdogf  
A097141 7.37477  $[ \{-a(n+3)-2*a(n+2)-a(n+1), a(0) = 0, a(1) = 1, a(2) = 0\},$  ogf ]  
A097162 6.51632  $-(-3+160*x^7-8*x+220*x^6-360*x^5-61*x^4+108*x^3+16*x^2)/(x-1)/$   
 $(2*x+1)/(2*x-1)/(5*x^2-1)/(4*x^3+5*x^2-2*x-1)$  lgdogf  
A097162 8.17070  $[ (4*x^3+5*x^2-2*x-1)/(2*x-1)/(2*x+1)/(x-1)/(5*x^2-1)$  ogf ]  
A097163 11.4767  $[ -(x^2-x-1)/(2*x-1)/(2*x+1)/(x-1)$  ogf ]  
A097163 11.8313  $-(-2+6*x+4*x^4-8*x^3-7*x^2)/(x-1)/(2*x+1)/(2*x-1)/(x^2-x-1)$   
lgdogf  
A097163 6.25071  $[ \{a(n+3)-a(n+2)-4*a(n+1)+4*a(n), a(0) = 1, a(1) = 2, a(2) = 5\},$   
ogf ]  
A097164 12.9585  $[ (3*x+1)/(2*x-1)/(2*x+1)/(x-1)$  ogf ]  
A097164 14.3205  $-4*(-1-2*x+6*x^3)/(x-1)/(2*x+1)/(2*x-1)/(3*x+1)$  lgdogf  
A097164 6.13212  $[ \{-a(n+3)+a(n+2)+4*a(n+1)-4*a(n), a(0) = 1, a(1) = 4, a(2) = 8\},$   
ogf ]  
A097165 10.2209  $[ (3*x-1)/(x-1)/(4*x-1)/(5*x-1)$  ogf ]  
A097165 4.93422  $[ \{-a(n+3)+10*a(n+2)-29*a(n+1)+20*a(n), a(0) = 1, a(1) = 7, a(2)$   
 $= 41\},$  ogf ]  
A097166 11.3206  $-1/4*(-1-11*x+(3*x+1)*(27*x+1))^(1/2)/(-1+5*x)$  revogf  
A097166 11.8075  $[ (2*x+1)/(10*x-1)/(x-1)$  ogf ]  
A097166 13.2534  $-(-13+20*x+20*x^2)/(x-1)/(2*x+1)/(10*x-1)$  lgdogf  
A097166 6.52884  $[ \{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 1, a(1) = 13\},$  ogf ]  
A097167 11.8075  $[ -(7*x-1)/(10*x-1)/(9*x-1)$  ogf ]  
A097167 12.3498  $-6*(2-30*x+105*x^2)/(9*x-1)/(7*x-1)/(10*x-1)$  lgdogf  
A097167 12.9378  $-1/2*(-1-19*x+(1+10*x+x^2)^(1/2))/(7+90*x)$  revogf  
A097167 6.52884  $[ \{-a(n+2)+19*a(n+1)-90*a(n), a(0) = 1, a(1) = 12\},$  ogf ]  
A097168 4.66345  $[ \{-a(n+3)+20*a(n+2)-109*a(n+1)+90*a(n), a(0) = 1, a(1) = 13,$   
 $a(2) = 151\},$  ogf ]

A097168 8.90803  $-( -13+218*x-1033*x^2+1260*x^3)/(x-1)/(9*x-1)/(7*x-1)/(10*x-1)$   
lgdogf  
A097168 9.73598  $[(7*x-1)/(x-1)/(9*x-1)/(10*x-1)$  ogf]  
A097169 7.03909  $[(18*x^3+10*x^2-3*x-1)/(x-1)/(3*x-1)/(3*x+1)/(10*x^2-1)$  ogf]  
A097175 6.70928  $[(48*x^3+17*x^2-4*x-1)/(4*x+1)/(4*x-1)/(x-1)/(17*x^2-1)$  ogf]  
A097176 6.67533  $[(100*x^3+26*x^2-5*x-1)/(x-1)/(5*x+1)/(5*x-1)/(26*x^2-1)$  ogf]  
A097177 5.44070  $[(900*x^3+101*x^2-10*x-1)/(10*x-1)/(10*x+1)/(x-1)/(101*x^2-1)$   
ogf]  
A097178 7.30199  $[-(900*x^3+101*x^2-10*x-1)/(10*x+1)/(10*x-1)/(101*x^2-1)$  ogf]  
A097182 8.24002  $-(7-56*x+210*x^2-448*x^3+560*x^4-384*x^5+112*x^6)/(x-1)/$   
 $(2*x^2-2*x+1)/(8*x^4-16*x^3+12*x^2-4*x+1)$  lgdogf  
A097182 9.89440  $[-1/(x-1)/(2*x^2-2*x+1)/(8*x^4-16*x^3+12*x^2-4*x+1)$  ogf]  
A097183 31.1653  $-14+(1-16*x)*f(x)$  lgdogf  
A097183 5.05741  $[ \{(-n-2)*a(n+2)+(30+16*n)*a(n+1), a(0) = 1, a(1) = 14\},$  ogf]  
A097184 12.5433  $-x*(x-1)*(2*x^2-2*x+1)*(8*x^4-16*x^3+12*x^2-4*x+1)$  revogf  
A097184 6.02776  $[ \{(-16*n-30)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 7\},$  ogf]  
A097188 41.2025  $x*(1-3*x+3*x^2)$  revogf  
A097188 6.00206  $[ \{(-9*n-15)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 3\},$  ogf]  
A097191 6.00347  $-3*(-4+56*x$   
 $+1944*x^7-378*x^2+1512*x^3-3780*x^4+5832*x^5-5103*x^6)/(3*x^2-3*x+1)/$   
 $(243*x^6-486*x^5+405*x^4-189*x^3+54*x^2-9*x+1)$  lgdogf  
A097191 7.38067  $[ 1/(3*x^2-3*x+1)/(243*x^6-486*x^5+405*x^4-189*x^3+54*x^2-9*x+1)$   
ogf]  
A097192 31.6401  $-24+(1-27*x)*f(x)$  lgdogf  
A097192 5.13059  $[ \{(-n-2)*a(n+2)+(51+27*n)*a(n+1), a(0) = 1, a(1) = 24\},$  ogf]  
A097193 4.76782  $[ \{(-27*n-51)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 12\},$  ogf]  
A097193 8.04945  $x*(1-3*x+3*x^2)*(243*x^6-486*x^5+405*x^4-189*x^3+54*x^2-9*x+1)$   
revogf  
A097195 8.22745  $[-(2*x^4+x^2+x+2)/(-x^5-x^4-x^3-x^2-x-1)$   
ogf\_with\_Euler\_transform]  
A097196 13.3146  $[-(-x^3+x^2+x)/(x^4-x^3+x-1)$  ogf\_with\_Euler\_transform]  
A097197 14.1581  $[-(x^2+1)/(x^4-x^3+x-1)$  ogf\_with\_Euler\_transform]  
A097228 5.24245  $[-$   
 $(1600*x^9+1620*x^8+380*x^7+270*x^6+120*x^5+8*x^4-138*x^3-127*x^2-38*x-27)/(x-1)/$   
 $(x+1)/(x^2+1)/(10*x^4-1)$  ogf]  
A097280 12.5109  $-(7-10*x+5*x^4+6*x^3-5*x^2)/(x-1)/(x^2+x-1)/(5*x^2+3*x-5)$  lgdogf  
A097280 13.7256  $[ -(5*x^2+3*x-5)/(x^2+x-1)/(x-1)$  ogf]  
A097280 7.73888  $[ \{-a(n+3)+2*a(n+2)-a(n), a(0) = 5, a(1) = 7, a(2) = 9\},$  ogf]  
A097297 27.5873  $-(-37+30*x)/(x-1)/(5*x-6)$  lgdogf  
A097297 4.48118  $[ \{(6*n+18)*a(n+3)+(-59-11*n)*a(n+2)+(35+5*n)*a(n+1), a(0) = 6,$   
 $a(1) = 37, a(2) = 133\},$  ogf]  
A097297 7.90500  $[ (5*x-6)/(x-1)^7$  ogf]  
A097298 26.9375  $-(-43+35*x)/(x-1)/(5*x-6)$  lgdogf  
A097298 4.37606  $[ \{(6*n+18)*a(n+3)+(-65-11*n)*a(n+2)+(40+5*n)*a(n+1), a(0) = 6,$   
 $a(1) = 43, a(2) = 176\},$  ogf]  
A097298 7.01063  $[ -(5*x-6)/(x-1)^8$  ogf]  
A097299 27.0731  $-(-49+40*x)/(x-1)/(5*x-6)$  lgdogf  
A097299 4.39679  $[ \{(6*n+18)*a(n+3)+(-71-11*n)*a(n+2)+(45+5*n)*a(n+1), a(0) = 6,$   
 $a(1) = 49, a(2) = 225\},$  ogf]  
A097299 6.33299  $[ (5*x-6)/(x-1)^9$  ogf]  
A097300 25.8886  $-5*(-11+9*x)/(x-1)/(5*x-6)$  lgdogf  
A097300 4.37218  $[ \{(6*n+18)*a(n+3)+(-77-11*n)*a(n+2)+(50+5*n)*a(n+1), a(0) = 6,$   
 $a(1) = 55, a(2) = 280\},$  ogf]  
A097300 5.53575  $[ -(5*x-6)/(x-1)^10$  ogf]  
A097308 14.8823  $[ -(13*x-1)/(x^2-26*x+1)$  ogf]  
A097308 18.1028  $- (13-2*x+13*x^2)/(13*x-1)/(x^2-26*x+1)$  lgdogf  
A097308 8.32702  $[ \{a(n+2)-26*a(n+1)+a(n), a(0) = 1, a(1) = 13\},$  ogf]  
A097309 12.0103  $-1/2*(-26*x-1+(1+24*x)^(1/2)*(28*x+1)^(1/2))/x$  revogf  
A097309 16.4993  $[ x/(x^2-26*x+1)$  ogf]  
A097309 25.1125  $-2*(x-13)/(x^2+1-26*x)$  lgdogf  
A097309 6.84117  $[ \{a(n+2)-26*a(n+1)+a(n), a(0) = 0, a(1) = 1\},$  ogf]

A097310 15.1898 [  $-(14x-1)/(x^2-28x+1)$  ogf]  
A097310 19.5100  $-2*(7-x+7x^2)/(14x-1)/(x^2-28x+1)$  lgdogf  
A097310 8.49906 [  $\{a(n+2)-28a(n+1)+a(n), a(0) = 1, a(1) = 14\}$ , ogf]  
A097311 12.2567  $-1/2*(-28x-1+(26x+1)^{(1/2)}*(30x+1)^{(1/2)})/x$  revogf  
A097311 16.8326 [  $x/(x^2-28x+1)$  ogf]  
A097311 24.5134  $-2*(-14+x)/(x^2+1-28x)$  lgdogf  
A097311 6.97937 [  $\{a(n+2)-28a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A097313 12.4415  $-1/2*(-30x-1+(28x+1)^{(1/2)}*(32x+1)^{(1/2)})/x$  revogf  
A097313 17.0826 [  $x/(x^2-30x+1)$  ogf]  
A097313 24.8830  $-2*(-15+x)/(x^2+1-30x)$  lgdogf  
A097313 7.08302 [  $\{a(n+2)-30a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A097314 10.5860 [  $\{-a(n+2)+38a(n+1)-a(n), a(0) = 1, a(1) = 39\}$ , ogf]  
A097314 11.5708  $-1/2*(-1-38x+(1+80x+1440x^2)^{(1/2)})/(x-1)$  revogf  
A097314 15.4277  $-(-39+2x+x^2)/(x+1)/(x^2-38x+1)$  lgdogf  
A097314 19.3309 [  $(x+1)/(x^2-38x+1)$  ogf]  
A097315 11.5708  $-1/2*(-1-38x+(1+72x+1440x^2)^{(1/2)})/(x+1)$  revogf  
A097315 15.9098  $-(-37-2x+x^2)/(x-1)/(x^2-38x+1)$  lgdogf  
A097315 17.0909 [  $-(x-1)/(x^2-38x+1)$  ogf]  
A097315 9.35930 [  $\{a(n+2)-38a(n+1)+a(n), a(0) = 1, a(1) = 37\}$ , ogf]  
A097316 10.6710  $-1/2*(-66x-1+(68x+1)^{(1/2)}*(64x+1)^{(1/2)})/x$  revogf  
A097316 14.7477 [  $1/(x^2-66x+1)$  ogf]  
A097316 21.3420  $-2*(-33+x)/(x^2+1-66x)$  lgdogf  
A097316 5.96930 [  $\{-a(n+2)+66a(n+1)-a(n), a(0) = 1, a(1) = 66\}$ , ogf]  
A097321 18.4527  $-(-35+65x+8x^2)/(x-1)/(4x^2+19x+4)$  lgdogf  
A097321 9.54266 [  $6*(4x^2+19x+4)/(x-1)^4$  ogf]  
A097325 12.7354 [  $-x*(x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A097325 26.5719 [  $[x^5-x^4+1]$  ogf\_with\_Euler\_transform]  
A097325 9.38869  $-(-1+2x+3x^2+4x^3+6x^4+5x^5+4x^6+3x^7+2x^8+x^9)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A097331 24.1522  $1/2*x-1/4+1/4*(-4x^2+4x+1)^{(1/2)}$  revogf  
A097332 14.1427  $1/2/(1+x+x^2)*(-1+2x^2+(-4x^2+4x+1)^{(1/2)})$  revogf  
A097333 17.4425 [  $-(x+1)/(x^3+x-1)$  ogf]  
A097333 24.0613  $-(2+2x^3+3x^2)/(x+1)/(x^3+x-1)$  lgdogf  
A097333 8.35012 [  $\{a(n+3)-a(n+2)-a(n), a(0) = 1, a(1) = 2, a(2) = 2\}$ , ogf]  
A097334 14.9178  $-(-3+16x^3+12x^2)/(2x-1)/(2x+1)/(2x^2+x+1)$  lgdogf  
A097334 15.5573 [  $-(2x+1)/(2x-1)/(2x^2+x+1)$  ogf]  
A097334 7.44765 [  $\{a(n+3)-a(n+2)-4a(n), a(0) = 1, a(1) = 3, a(2) = 3\}$ , ogf]  
A097335 15.4896 [  $-(3x+1)/(9x^3+x-1)$  ogf]  
A097335 15.8968  $-(-3x+2)*(18x^2-3x+2)/(1+3x)/(9x^3+x-1)$  lgdogf  
A097335 7.41522 [  $\{a(n+3)-a(n+2)-9a(n), a(0) = 1, a(1) = 4, a(2) = 4\}$ , ogf]  
A097336 13.7407 [  $-(4x+1)/(16x^3+x-1)$  ogf]  
A097336 15.4760  $-(-5+48x^2+128x^3)/(1+4x)/(16x^3+x-1)$  lgdogf  
A097336 6.65338 [  $\{a(n+3)-a(n+2)-16a(n), a(0) = 1, a(1) = 5, a(2) = 5\}$ , ogf]  
A097339 7.50910 [  $(x^4+11x^3-8x^2+3x-1)/(2x-1)/(x-1)^4$  ogf]  
A097339 9.68508  $-(-3-3x+2x^5+50x^4-19x^3-9x^2)/(x-1)/(2x-1)/(x^4+11x^3-8x^2+3x-1)$  lgdogf  
A097340 10.9486 [  $-(-24x^2+24x-24)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A097362 15.8070 [  $-(2x^3-4x-1)/(x-1)^2/(x+1)^2$  ogf]  
A097362 18.8050  $-2*(-2-2x+x^4-3x^2)/(x-1)/(x+1)/(2x^3-4x-1)$  lgdogf  
A097388 55.5309  $-2/(4x+1)$  lgdegf  
A097388 6.18155 [  $\{(-4n-6)*a(n+1)-a(n+2), a(0) = 1, a(1) = -2\}$ , ogf]  
A097388 79.3299  $x*(x+1)$  revegf  
A097399 10.5184  $(-104-32x+12x^3-36x^2+11x^{13}-13x^{12})/(x-1)/(x^{13}+12x^3+50x^2-68x+86)$  lgdogf  
A097399 11.0084 [  $(x^{13}+12x^3+50x^2-68x+86)/(x-1)^2$  ogf]  
A097401 12.1840  $-(-132+262x+49x^3-191x^2)/(x-1)/(49x^3-169x^2+200x-83)$  lgdogf  
A097401 8.76908 [  $-4*(49x^3-169x^2+200x-83)/(x-1)^4$  ogf]  
A097405 3.60166 [  $x^2*(256x^7+880x^6-360x^5-706x^4+113x^3+149x^2-9x-8)/(x-1)/(4x-1)/(2x+1)/(2x-1)/(4x+1)/(2x^2-1)/(8x^2-1)$  ogf]  
A097451 18.7777 [  $-x/(x^4-x^3+x-1)$  ogf\_with\_Euler\_transform]

A097462 6.43040 [  $x^{12} \cdot (10x^9 + 9x^8 + 8x^7 + 7x^6 + 6x^5 + 5x^4 + 4x^3 + 3x^2 + 2x + 1) / (x-1)^2 / (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2$  ogf ]  
A097472 13.2984 [  $1 / (x-1) / (x^3 + 3x^2 + 2x - 1)$  ogf ]  
A097472 15.2045  $-(3+2x) \cdot (2x^2-1) / (x-1) / (x^3+3x^2+2x-1)$  lgdogf  
A097481 6.30599 [  $2 \cdot (100x^{22} - 219x^{21} + 138x^{20} - 19x^{19} + 100x^{12} - 210x^{11} + 120x^{10} - 10x^9 + 10x^2 - 21x + 12) / (x-1)^2$  ogf ]  
A097482 11.4621 [  $-(x^4 - x^3 - 2x^2 - 1) / (x+1) / (x-1)^2$  ogf ]  
A097482 14.9075  $(1+7x - x^4 - x^3 + x^5 + 5x^2) / (x-1) / (x+1) / (x^4 - x^3 - 2x^2 - 1)$  lgdogf  
A097482 5.81065 [  $\{-a(n+5) + a(n+4) + a(n+3) - a(n+2), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 5, a(4) = 7\}$ , ogf ]  
A097488 4.14497 [  $(x^{26} - 2x^{25} + x^{24} + 600x^{23} - 1230x^{22} + 603x^{21} + 84x^{20} - 57x^{19} + 300x^{12} - 630x^{11} + 360x^{10} - 30x^9 + 30x^2 - 63x + 36) / (x-1)^2$  ogf ]  
A097512 13.6563 [  $-(18x-11) / (x^2 - 3x + 1)$  ogf ]  
A097512 14.6236  $-1/2 \cdot (-11 - 3x + (121 - 6x + 5x^2)^{1/2}) / (18+x)$  revogf  
A097512 16.1234  $-(15 - 22x + 18x^2) / (18x - 11) / (x^2 - 3x + 1)$  lgdogf  
A097512 7.64102 [  $\{a(n+2) - 3a(n+1) + a(n), a(0) = 11, a(1) = 15\}$ , ogf ]  
A097513 4.59865 [  $(x^8 - x^7 + x^6 + x^4 + x^2 - x + 1) / (x^2 + 1) / (x^2 - x + 1) / (x^2 + x + 1)^2 / (x+1)^3 / (x-1)^6$  ogf ]  
A097514 71.5307  $-x + \exp(x)$  lgdegf  
A097535 9.75703 [  $(3x^{21} + x^{18} + x^{15} + x^{13} + x^{12} + x^9 + x^6 + x^5 + x^3 + 1) / (x+1) / (x^2 + 1) / (x^4 + 1) / (x^2 + x + 1) / (x^2 - x + 1) / (x^4 - x^2 + 1) / (x^8 - x^4 + 1) / (x-1)^2$  ogf ]  
A097550 12.7098 [  $-(x^2 + 1) / (x^3 - 2x^2 + 3x - 1)$  ogf ]  
A097550 18.7066  $-(3 - 2x + x^4) / (x^2 + 1) / (x^3 - 2x^2 + 3x - 1)$  lgdogf  
A097550 6.46836 [  $\{a(n+3) - 3a(n+2) + 2a(n+1) - a(n), a(0) = 1, a(1) = 3, a(2) = 8\}$ , ogf ]  
A097551 7.68268 [  $-(x^2 + 1)^2 / (x^5 - 3x^4 + 5x^3 - 5x^2 + 4x - 1)$  ogf ]  
A097551 8.70378  $-(x^4 + 2x^3 + 3x^2 + 4 + 2x) \cdot (x-1)^2 / (1+x^2) / (x^5 - 3x^4 + 5x^3 - 5x^2 + 4x - 1)$  lgdogf  
A097552 6.94410 [  $-(x^2 + 1)^3 / (x-1) / (x^4 - 3x^3 + 4x^2 - 4x + 1)$  ogf ]  
A097552 7.85908  $(-5 + 10x + x^6 + 4x^2 - 16x^3 + 16x^4 - 8x^5) / (x-1) / (1+x^2) / (x^4 - 3x^3 + 4x^2 - 4x + 1)$  lgdogf  
A097553 5.63991 [  $-(x^2 + 1)^4 / (x^7 - 5x^6 + 11x^5 - 17x^4 + 17x^3 - 13x^2 + 6x - 1)$  ogf ]  
A097554 5.33127 [  $-(x^2 + 1)^5 / (x^7 - 6x^6 + 15x^5 - 24x^4 + 25x^3 - 18x^2 + 7x - 1)$  ogf ]  
A097555 4.51881 [  $-(x^2 + 1)^6 / (x^9 - 7x^8 + 21x^7 - 41x^6 + 57x^5 - 59x^4 + 45x^3 - 25x^2 + 8x - 1)$  ogf ]  
A097564 10.4573 [  $-x \cdot (x^4 - x^3 + 2x^2 + x + 1) / (x^6 + 2x^3 - 1)$  ogf ]  
A097564 8.81773  $-(1 + 4x + 3x^6 + 6x^5 + 4x^4 + 8x^3 + 3x^2 + 8x^7 - 3x^8 + 2x^9) / (x^6 + 2x^3 - 1) / (x^4 - x^3 + 2x^2 + x + 1)$  lgdogf  
A097575 10.0269 [  $-(x^7 + x^6 + x^5 + 2x^3 + x^2 + x + 1) / (x^8 + x^4 - 1)$  ogf ]  
A097575 7.17735  $-(1 + 2x + 8x^4 + 4x^3 + x^{14} + 2x^{13} + 7x^{10} + 4x^9 + 6x^8 + 8x^7 + 6x^2 + 8x^5 + 9x^6 + 3x^{12}) / (x^7 + x^6 + x^5 + 2x^3 + x^2 + x + 1) / (x^8 + x^4 - 1)$  lgdogf  
A097578 12.4238 [  $(4x^3 + 6x^2 + 6x + 1) / (2x^2 - 1)^2$  ogf ]  
A097578 12.9999  $-2 \cdot (3 + 10x + 4x^4 + 12x^3 + 24x^2) / (2x^2 - 1) / (4x^3 + 6x^2 + 6x + 1)$  lgdogf  
A097579 4.97644 [  $\{-a(n+3) + 35a(n+2) - 35a(n+1) + a(n), a(0) = 1, a(1) = 28, a(2) = 946\}$ , ogf ]  
A097579 9.24197 [  $-(x^2 - 7x + 1) / (x-1) / (x^2 - 34x + 1)$  ogf ]  
A097579 9.51923  $-(28 - 68x - 14x^3 + x^4 + 213x^2) / (x-1) / (x^2 - 34x + 1) / (x^2 - 7x + 1)$  lgdogf  
A097581 11.7429  $-(4 + 18x + 29x^2 + 24x^3 + 10x^4) / (x+1) / (2x^2 - 1) / (5x^2 + 6x + 2)$  lgdogf  
A097581 11.7923 [  $-(5x^2 + 6x + 2) / (x+1) / (2x^2 - 1)$  ogf ]  
A097581 6.42261 [  $\{a(n+3) + a(n+2) - 2a(n+1) - 2a(n), a(0) = 2, a(1) = 4, a(2) = 5\}$ , ogf ]  
A097593 3.35239 [  $\{a(n) + (n+1)a(n+1) + (-2n-5)a(n+2) + (n+3)a(n+3), a(0) = 0, a(1) = 0, a(2) = 1/2, a(3) = 2/3\}$ , egf ]  
A097594 9.04928  $-(1+x^2) \cdot (3x^4 + 2x^3 + 9x^2 + 6x + 5) / (3x^3 + x^2 + 5x + 2) / (x^4 + x^2 - 1)$  lgdogf

A097594 9.13708 [  $-(3x^3+x^2+5x+2)/(x^4+x^2-1)$  ogf]  
A097596 6.84528 [  $(x^9-x^7+x^6+x^5-x+1)/(x-1)/(x^2+1)/(x^3+x^2+x-1)/(x^4-x^2+1)$  ogf]  
A097602 6.58933  $-(2+2*x$   
 $+x^{18}+4*x^7+4*x^8+10*x^9+2*x^{11}+7*x^{12}+4*x^5+4*x^6+6*x^3+4*x^4+2*x^2+2*x^{10})/($   
 $(x-1)/(x^2+x+1)/(x^6+x^3+1)/(x^{10}-x^9+x^4+1)$  lgdogf  
A097602 9.34577 [  $-(x^{10}-x^9+x^4+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3$  ogf]  
A097613 3.75316 [  $\{(4n^2+2n)*a(n)+(-9n^2-29n-18)*a(n+1)+(6n^2+34n+48)*a(n$   
 $+2)+(-n^2-7n-12)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
A097625 3.24873 [  $\{-8*a(n+1)+(-2n-10)*a(n+2)+(-n-3)*a(n+3)+a(n+4), a(0) = -1,$   
 $a(1) = 0, a(2) = 2, a(3) = -4\}$ , ogf]  
A097632 12.3402 [  $-2*(4*x+1)/(4*x^2+2*x-1)$  egf]  
A097632 14.3152  $-2*(3+4*x+8*x^2)/(4*x+1)/(4*x^2+2*x-1)$  lgdegf  
A097648 9.31442  $(11+202*x+3333*x^2)/(11*x+1)/(101*x^2+1)$  lgdogf  
A097657 13.2976 [  $-(12*x+11)/(x^2+x-1)$  ogf]  
A097657 14.9085  $1/2/(12+x)*(-11-x+(121+70*x+5*x^2)^{1/2})$  revogf  
A097657 16.5203  $-(23+22*x+12*x^2)/(12*x+11)/(x^2+x-1)$  lgdogf  
A097657 7.44031 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 11, a(1) = 23\}$ , ogf]  
A097658 3.71930 [  $3*x*(x-3)/(x-1)^3$  ogf]  
A097658 9.23483  $-2*(-4+x)/(-1+x)/(x-3)$  lgdogf  
A097659 18.9834 [  $-1/(1001*x-1)$  ogf]  
A097659 23.4742  $1/1001*\ln(1+1001*x)$  revegf  
A097659 26.2358  $-1001/(-1+1001*x)$  lgdogf  
A097659 8.28365 [  $\{a(n+1)-1001*a(n), a(0) = 1\}$ , ogf]  
A097677 21.5462  $-3*(1+x^2)/(x-1)/(x^2+x+1)$  lgdegf  
A097677 3.84016 [  $\{(-n^3-9*n^2-26*n-24)*a(n+1)+a(n+4)-3*a(n+3), a(0) = 1, a(1) =$   
 $3, a(2) = 9, a(3) = 33\}$ , ogf]  
A097678 11.8199  $9*x+9*x^2+(-3+3*x+3*x^2+3*x^3)*f(x)+(-1+x^3)*f(x)^2$  lgdegf  
A097678 3.75429 [  $\{(-n^3-9*n^2-26*n-24)*a(n+1)+(-3*n-9)*a(n+2)+a(n+4), a(0) = 1,$   
 $a(1) = 0, a(2) = 3, a(3) = 6\}$ , ogf]  
A097679 18.6508  $-4+4*x-4*x^2+(x^2+1-x-x^3)*f(x)$  lgdegf  
A097680 17.5338  $-5*(x^4+1)/(x-1)/(x^4+x^3+x^2+x+1)$  lgdegf  
A097681 5.00830  $-216+216*x-216*x^2-216*x^5+(108-108*x$   
 $+108*x^2+72*x^5)*f(x)+(-18+18*x-18*x^2-6*x^5)*f(x)^2+(-x+x^2+1)*f(x)^3$  lgdegf  
A097693 12.9932  $-6*(-18+17*x+2*x^3-9*x^2)/(x-1)/(12*x^3-45*x^2+64*x-43)$  lgdogf  
A097693 8.88838 [  $-2*(12*x^3-45*x^2+64*x-43)/(x-1)^4$  ogf]  
A097696 8.51503  $2*(-4392+1111*x-2181*x^2+597*x^3+65*x^4)/(x-1)/$   
 $(65*x^4+1454*x^3+1840*x^2-5902*x+7343)$  lgdogf  
A097696 8.99712 [  $(65*x^4+1454*x^3+1840*x^2-5902*x+7343)/(x-1)^2$  ogf]  
A097701 17.7054  $-(2+8*x+9*x^3+11*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A097701 26.6198 [  $1/2*(x+2)^2$  egf\_with\_Euler\_transform]  
A097701 9.13599 [  $-1/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A097705 15.1451  $1/34/x*(-4*x-1+(84*x^2+8*x+1)^{1/2})$  revogf  
A097705 16.3884 [  $-1/(17*x^2+4*x-1)$  ogf]  
A097705 20.9701  $-2*(2+17*x)/(17*x^2-1+4*x)$  lgdogf  
A097705 6.71333 [  $\{-a(n+2)+4*a(n+1)+17*a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A097723 15.2137 [  $-(4*x^2+2*x+2)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A097725 13.2087  $-1/2*(-102*x-1+(100*x+1)^{1/2}*(104*x+1)^{1/2})/x$  revogf  
A097725 18.8016 [  $1/(x^2-102*x+1)$  ogf]  
A097725 26.9677  $-2*(-51+x)/(x^2+1-102*x)$  lgdogf  
A097725 7.65181 [  $\{-a(n+2)+102*a(n+1)-a(n), a(0) = 1, a(1) = 102\}$ , ogf]  
A097726 11.0046  $-(-103+2*x+x^2)/(x+1)/(x^2+1-102*x)$  lgdogf  
A097726 14.0012 [  $(x+1)/(x^2-102*x+1)$  ogf]  
A097726 7.65181 [  $\{-a(n+2)+102*a(n+1)-a(n), a(0) = 1, a(1) = 103\}$ , ogf]  
A097726 8.19492  $-1/2*(-1-102*x+(1+208*x+10400*x^2)^{1/2})/(x-1)$  revogf  
A097727 13.7707  $-1/2*(-1-102*x+(1+200*x+10400*x^2)^{1/2})/(1+x)$  revogf  
A097727 14.0012 [  $-(x-1)/(x^2-102*x+1)$  ogf]  
A097727 18.4921  $-(101-2*x+x^2)/(-1+x)/(x^2+1-102*x)$  lgdogf  
A097727 7.65181 [  $\{a(n+2)-102*a(n+1)+a(n), a(0) = 1, a(1) = 101\}$ , ogf]  
A097728 11.6436 [  $1/(x^2-146*x+1)$  ogf]  
A097728 17.2863  $-2*(x-73)/(x^2+1-146*x)$  lgdogf

A097728 4.73866  $[ \{-a(n+2)+146*a(n+1)-a(n), a(0) = 1, a(1) = 146\}, \text{ogf}]$   
A097728 8.11399  $-1/2*(-146*x-1+(148*x+1)^{(1/2)}*(144*x+1)^{(1/2)})/x \text{ revogf}$   
A097729 12.1846  $-1/2*(-1-146*x+(1+296*x+21312*x^2)^{(1/2)})/(x-1) \text{ revogf}$   
A097729 14.5774  $[ (x+1)/(x^2-146*x+1) \text{ ogf}]$   
A097729 16.3622  $-(-147+2*x+x^2)/(x+1)/(x^2+1-146*x) \text{ lgdogf}$   
A097729 7.96671  $[ \{-a(n+2)+146*a(n+1)-a(n), a(0) = 1, a(1) = 147\}, \text{ogf}]$   
A097730 11.3596  $-(-145-2*x+x^2)/(-1+x)/(x^2+1-146*x) \text{ lgdogf}$   
A097730 4.73866  $[ \{a(n+2)-146*a(n+1)+a(n), a(0) = 1, a(1) = 145\}, \text{ogf}]$   
A097730 8.45927  $-1/2*(-1-146*x+(1+288*x+21312*x^2)^{(1/2)})/(1+x) \text{ revogf}$   
A097730 8.67074  $[ -(x-1)/(x^2-146*x+1) \text{ ogf}]$   
A097731 12.2825  $[ 1/(x^2-198*x+1) \text{ ogf}]$   
A097731 17.4979  $-2*(-99+x)/(x^2+1-198*x) \text{ lgdogf}$   
A097731 4.99871  $[ \{-a(n+2)+198*a(n+1)-a(n), a(0) = 1, a(1) = 198\}, \text{ogf}]$   
A097731 8.57040  $-1/2*(-198*x-1+(196*x+1)^{(1/2)}*(200*x+1)^{(1/2)})/x \text{ revogf}$   
A097732 11.9986  $-(-199+2*x+x^2)/(x+1)/(x^2+1-198*x) \text{ lgdogf}$   
A097732 13.0830  $[ (x+1)/(x^2-198*x+1) \text{ ogf}]$   
A097732 7.15001  $[ \{-a(n+2)+198*a(n+1)-a(n), a(0) = 1, a(1) = 199\}, \text{ogf}]$   
A097732 8.93510  $-1/2*(-1-198*x+(1+400*x+39200*x^2)^{(1/2)})/(x-1) \text{ revogf}$   
A097733 12.3515  $-(-197-2*x+x^2)/(x-1)/(x^2+1-198*x) \text{ lgdogf}$   
A097733 4.99871  $[ \{a(n+2)-198*a(n+1)+a(n), a(0) = 1, a(1) = 197\}, \text{ogf}]$   
A097733 8.93510  $-1/2*(-1-198*x+(1+392*x+39200*x^2)^{(1/2)})/(1+x) \text{ revogf}$   
A097733 9.14657  $[ -(x-1)/(x^2-198*x+1) \text{ ogf}]$   
A097734 12.8505  $[ 1/(x^2-258*x+1) \text{ ogf}]$   
A097734 17.5932  $-2*(-129+x)/(x^2+1-258*x) \text{ lgdogf}$   
A097734 5.22987  $[ \{-a(n+2)+258*a(n+1)-a(n), a(0) = 1, a(1) = 258\}, \text{ogf}]$   
A097734 8.97610  $-1/2*(-258*x-1+(256*x+1)^{(1/2)}*(260*x+1)^{(1/2)})/x \text{ revogf}$   
A097735 12.5665  $-(-259+2*x+x^2)/(x+1)/(x^2+1-258*x) \text{ lgdogf}$   
A097735 13.7007  $[ (x+1)/(x^2-258*x+1) \text{ ogf}]$   
A097735 7.48757  $[ \{-a(n+2)+258*a(n+1)-a(n), a(0) = 1, a(1) = 259\}, \text{ogf}]$   
A097735 9.35807  $-1/2*(-1-258*x+(1+520*x+66560*x^2)^{(1/2)})/(x-1) \text{ revogf}$   
A097736 12.9361  $-(-257-2*x+x^2)/(x-1)/(x^2+1-258*x) \text{ lgdogf}$   
A097736 5.22987  $[ \{a(n+2)-258*a(n+1)+a(n), a(0) = 1, a(1) = 257\}, \text{ogf}]$   
A097736 9.35807  $-1/2*(-1-258*x+(1+512*x+66560*x^2)^{(1/2)})/(1+x) \text{ revogf}$   
A097736 9.56955  $[ -(x-1)/(x^2-258*x+1) \text{ ogf}]$   
A097737 13.4185  $[ 1/(x^2-326*x+1) \text{ ogf}]$   
A097737 18.3883  $-2*(-163+x)/(x^2+1-326*x) \text{ lgdogf}$   
A097737 5.46102  $[ \{-a(n+2)+326*a(n+1)-a(n), a(0) = 1, a(1) = 326\}, \text{ogf}]$   
A097737 9.38180  $-1/2*(-326*x-1+(328*x+1)^{(1/2)}*(324*x+1)^{(1/2)})/x \text{ revogf}$   
A097738 12.0607  $[ (x+1)/(x^2-326*x+1) \text{ ogf}]$   
A097738 13.1345  $-(-327+2*x+x^2)/(x+1)/(x^2+1-326*x) \text{ lgdogf}$   
A097738 6.59133  $[ \{-a(n+2)+326*a(n+1)-a(n), a(0) = 1, a(1) = 327\}, \text{ogf}]$   
A097738 9.57726  $-1/2*(-1-326*x+(1+656*x+106272*x^2)^{(1/2)})/(x-1) \text{ revogf}$   
A097739 13.5208  $-(-325-2*x+x^2)/(x-1)/(x^2+1-326*x) \text{ lgdogf}$   
A097739 5.46102  $[ \{a(n+2)-326*a(n+1)+a(n), a(0) = 1, a(1) = 325\}, \text{ogf}]$   
A097739 9.57726  $-1/2*(-1-326*x+(1+648*x+106272*x^2)^{(1/2)})/(1+x) \text{ revogf}$   
A097739 9.99251  $[ -(x-1)/(x^2-326*x+1) \text{ ogf}]$   
A097740 13.7735  $[ 1/(x^2-402*x+1) \text{ ogf}]$   
A097740 18.8853  $-2*(-201+x)/(x^2+1-402*x) \text{ lgdogf}$   
A097740 5.60550  $[ \{-a(n+2)+402*a(n+1)-a(n), a(0) = 1, a(1) = 402\}, \text{ogf}]$   
A097740 9.63537  $-1/2*(-402*x-1+(404*x+1)^{(1/2)}*(400*x+1)^{(1/2)})/x \text{ revogf}$   
A097741 12.3882  $[ (x+1)/(x^2-402*x+1) \text{ ogf}]$   
A097741 13.4895  $-(-403+2*x+x^2)/(x+1)/(x^2+1-402*x) \text{ lgdogf}$   
A097741 6.77028  $[ \{-a(n+2)+402*a(n+1)-a(n), a(0) = 1, a(1) = 403\}, \text{ogf}]$   
A097741 9.83610  $-1/2*(-1-402*x+(1+808*x+161600*x^2)^{(1/2)})/(x-1) \text{ revogf}$   
A097742 10.2569  $[ -(x-1)/(x^2-402*x+1) \text{ ogf}]$   
A097742 13.8863  $-(-401-2*x+x^2)/(x-1)/(x^2+1-402*x) \text{ lgdogf}$   
A097742 5.60550  $[ \{a(n+2)-402*a(n+1)+a(n), a(0) = 1, a(1) = 401\}, \text{ogf}]$   
A097742 9.83610  $-1/2*(-1-402*x+(1+800*x+161600*x^2)^{(1/2)})/(1+x) \text{ revogf}$   
A097765 14.1285  $[ 1/(x^2-486*x+1) \text{ ogf}]$   
A097765 19.3823  $-2*(-243+x)/(x^2+1-486*x) \text{ lgdogf}$   
A097765 5.74997  $[ \{-a(n+2)+486*a(n+1)-a(n), a(0) = 1, a(1) = 486\}, \text{ogf}]$



A097765 9.88893  $-1/2*(-486*x-1+(484*x+1)^{(1/2)}*(488*x+1)^{(1/2)})/x$  revogf  
A097766 10.0949  $-1/2*(-1-486*x+(1+976*x+236192*x^2)^{(1/2)})/(x-1)$  revogf  
A097766 12.7156  $[(x+1)/(x^2-486*x+1)$  ogf]  
A097766 13.8445  $-(-487+2*x+x^2)/(x+1)/(x^2+1-486*x)$  lgdogf  
A097766 6.94922  $[{-a(n+2)+486*a(n+1)-a(n), a(0) = 1, a(1) = 487},$  ogf]  
A097767 10.0949  $-1/2*(-1-486*x+(1+968*x+236192*x^2)^{(1/2)})/(1+x)$  revogf  
A097767 10.5212  $[-(x-1)/(x^2-486*x+1)$  ogf]  
A097767 14.2517  $-(-485-2*x+x^2)/(x-1)/(x^2+1-486*x)$  lgdogf  
A097767 5.74997  $[{a(n+2)-486*a(n+1)+a(n), a(0) = 1, a(1) = 485},$  ogf]  
A097768 10.1425  $-1/2*(-578*x-1+(576*x+1)^{(1/2)}*(580*x+1)^{(1/2)})/x$  revogf  
A097768 14.4835  $[1/(x^2-578*x+1)$  ogf]  
A097768 19.8793  $-2*(-289+x)/(x^2+1-578*x)$  lgdogf  
A097768 5.89444  $[{-a(n+2)+578*a(n+1)-a(n), a(0) = 1, a(1) = 578},$  ogf]  
A097769 10.1425  $-1/2*(-1-578*x+(1+1160*x+334080*x^2)^{(1/2)})/(x-1)$  revogf  
A097769 10.7856  $[(x+1)/(x^2-578*x+1)$  ogf]  
A097769 14.1995  $-(-579+2*x+x^2)/(x+1)/(x^2+1-578*x)$  lgdogf  
A097769 5.89444  $[{-a(n+2)+578*a(n+1)-a(n), a(0) = 1, a(1) = 579},$  ogf]  
A097770 10.1425  $-1/2*(-1-578*x+(1+1152*x+334080*x^2)^{(1/2)})/(1+x)$  revogf  
A097770 10.7856  $[-(x-1)/(x^2-578*x+1)$  ogf]  
A097770 14.6171  $-(-577-2*x+x^2)/(x-1)/(x^2+1-578*x)$  lgdogf  
A097770 5.89444  $[{a(n+2)-578*a(n+1)+a(n), a(0) = 1, a(1) = 577},$  ogf]  
A097771 11.9895  $[1/(x^2-678*x+1)$  ogf]  
A097771 16.4016  $-2*(-339+x)/(x^2+1-678*x)$  lgdogf  
A097771 4.87944  $[{-a(n+2)+678*a(n+1)-a(n), a(0) = 1, a(1) = 678},$  ogf]  
A097771 8.36818  $-1/2*(-1-678*x+(676*x+1)^{(1/2)}*(680*x+1)^{(1/2)})/x$  revogf  
A097772 10.9970  $[(x+1)/(x^2-678*x+1)$  ogf]  
A097772 11.7155  $-(-679+2*x+x^2)/(x+1)/(x^2+1-678*x)$  lgdogf  
A097772 6.01001  $[{-a(n+2)+678*a(n+1)-a(n), a(0) = 1, a(1) = 679},$  ogf]  
A097772 8.36818  $-1/2*(-1-678*x+(1+1360*x+459680*x^2)^{(1/2)})/(x-1)$  revogf  
A097773 12.0600  $-(-677-2*x+x^2)/(x-1)/(x^2+1-678*x)$  lgdogf  
A097773 4.87944  $[{a(n+2)-678*a(n+1)+a(n), a(0) = 1, a(1) = 677},$  ogf]  
A097773 8.36818  $-1/2*(-1-678*x+(1+1352*x+459680*x^2)^{(1/2)})/(1+x)$  revogf  
A097773 8.92834  $[-(x-1)/(x^2-678*x+1)$  ogf]  
A097774 12.2635  $[1/(x^2-786*x+1)$  ogf]  
A097774 16.7853  $-2*(-393+x)/(x^2+1-786*x)$  lgdogf  
A097774 4.99098  $[{-a(n+2)+786*a(n+1)-a(n), a(0) = 1, a(1) = 786},$  ogf]  
A097774 8.56393  $-1/2*(-1-786*x+(788*x+1)^{(1/2)}*(784*x+1)^{(1/2)})/x$  revogf  
A097775 11.9895  $-(-787+2*x+x^2)/(x+1)/(x^2+1-786*x)$  lgdogf  
A097775 13.5342  $[(x+1)/(x^2-786*x+1)$  ogf]  
A097775 7.39660  $[{-a(n+2)+786*a(n+1)-a(n), a(0) = 1, a(1) = 787},$  ogf]  
A097775 8.56393  $-1/2*(-1-786*x+(1+1576*x+617792*x^2)^{(1/2)})/(x-1)$  revogf  
A097776 12.3421  $-(-785-2*x+x^2)/(x-1)/(x^2+1-786*x)$  lgdogf  
A097776 4.99098  $[{a(n+2)-786*a(n+1)+a(n), a(0) = 1, a(1) = 785},$  ogf]  
A097776 8.56393  $-1/2*(-1-786*x+(1+1568*x+617792*x^2)^{(1/2)})/(1+x)$  revogf  
A097776 9.13243  $[-(x-1)/(x^2-786*x+1)$  ogf]  
A097778 11.2712  $-1/2*(-23*x-1+(21*x+1)^{(1/2)}*(25*x+1)^{(1/2)})/x$  revogf  
A097778 15.5754  $[1/(x^2-23*x+1)$  ogf]  
A097778 22.5424  $-(-23+2*x)/(x^2+1-23*x)$  lgdogf  
A097778 6.30435  $[{-a(n+2)+23*a(n+1)-a(n), a(0) = 1, a(1) = 23},$  ogf]  
A097780 11.4520  $-1/2*(-25*x-1+(27*x+1)^{(1/2)}*(23*x+1)^{(1/2)})/x$  revogf  
A097780 15.8201  $[1/(x^2-25*x+1)$  ogf]  
A097780 22.9040  $-(-25+2*x)/(x^2+1-25*x)$  lgdogf  
A097780 6.40336  $[{-a(n+2)+25*a(n+1)-a(n), a(0) = 1, a(1) = 25},$  ogf]  
A097781 11.8136  $-1/2*(-27*x-1+(25*x+1)^{(1/2)}*(29*x+1)^{(1/2)})/x$  revogf  
A097781 16.3094  $[1/(x^2-27*x+1)$  ogf]  
A097781 23.6273  $-(-27+2*x)/(x^2+1-27*x)$  lgdogf  
A097781 6.60140  $[{-a(n+2)+27*a(n+1)-a(n), a(0) = 1, a(1) = 27},$  ogf]  
A097782 11.9945  $-1/2*(-29*x-1+(27*x+1)^{(1/2)}*(31*x+1)^{(1/2)})/x$  revogf  
A097782 16.5540  $[1/(x^2-29*x+1)$  ogf]  
A097782 23.9889  $-(-29+2*x)/(x^2+1-29*x)$  lgdogf  
A097782 6.70043  $[{-a(n+2)+29*a(n+1)-a(n), a(0) = 1, a(1) = 29},$  ogf]

A097783 12.6370  $-1/2*(-1-11*x+(1+26*x+117*x^2)^{(1/2)})/(x-1)$  revogf  
A097783 15.1740  $[(x+1)/(x^2-11*x+1)$  ogf]  
A097783 16.4664  $-(-12+2*x+x^2)/(x+1)/(x^2-11*x+1)$  lgdogf  
A097783 8.30958  $[{-a(n+2)+11*a(n+1)-a(n), a(0) = 1, a(1) = 12}]$ , ogf]  
A097784 16.9095  $-(11-22*x+3*x^2)/(x-1)/(x^2-10*x+1)$  lgdogf  
A097784 17.2831  $[-1/(x-1)/(x^2-10*x+1)$  ogf]  
A097784 5.76102  $[{a(n+3)-11*a(n+2)+11*a(n+1)-a(n), a(0) = 1, a(1) = 11, a(2) = 110}]$ , ogf]  
A097786 11.4960  $[-1/(3*x-1)/(x-1)^4$  ogf]  
A097786 25.2360  $-(-7+15*x)/(-1+3*x)/(x-1)$  lgdogf  
A097786 4.20769  $[{(-n-3)*a(n+3)+(15+4*n)*a(n+2)+(-18-3*n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 31}]$ , ogf]  
A097787 25.7510  $-2*(-4+9*x)/(3*x-1)/(x-1)$  lgdogf  
A097787 4.29184  $[{(-n-3)*a(n+3)+(16+4*n)*a(n+2)+(-21-3*n)*a(n+1), a(0) = 1, a(1) = 8, a(2) = 39}]$ , ogf]  
A097787 9.51670  $[1/(3*x-1)/(x-1)^5$  ogf]  
A097788 11.1982  $[-1/(4*x-1)/(x-1)^4$  ogf]  
A097788 24.5822  $-4*(-2+5*x)/(4*x-1)/(x-1)$  lgdogf  
A097788 4.09868  $[{(-n-3)*a(n+3)+(18+5*n)*a(n+2)+(-24-4*n)*a(n+1), a(0) = 1, a(1) = 8, a(2) = 42}]$ , ogf]  
A097789 24.1192  $-3*(-3+8*x)/(-1+4*x)/(x-1)$  lgdogf  
A097789 4.18065  $[{(-n-3)*a(n+3)+(19+5*n)*a(n+2)+(-28-4*n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 51}]$ , ogf]  
A097789 9.27014  $[1/(4*x-1)/(x-1)^5$  ogf]  
A097790 10.2209  $[-1/(5*x-1)/(x-1)^4$  ogf]  
A097790 3.74098  $[{(-n-3)*a(n+3)+(21+6*n)*a(n+2)+(-30-5*n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 55}]$ , ogf]  
A097791 22.7730  $-10*(3*x-1)/(5*x-1)/(x-1)$  lgdogf  
A097791 3.77599  $[{(-n-3)*a(n+3)+(22+6*n)*a(n+2)+(-35-5*n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 65}]$ , ogf]  
A097791 8.30719  $[1/(5*x-1)/(x-1)^5$  ogf]  
A097793 10.3653  $[-(x^{12}-x^{10}-x^8-x^4-x^2-1)/(-x^{14}+1)$  ogf\_with\_Euler\_transform]  
A097795 12.0882  $[-x^2*(x^{14}-x^{11}-1)/(x+1)/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A097801 56.9091  $-1/8*x*(-4+x)$  revegff  
A097801 73.9818  $-1/(2*x-1)$  lgdegf  
A097801 8.54541  $[{(-2*n-3)*a(n+1)+a(n+2), a(0) = 2, a(1) = 2}]$ , ogf]  
A097802 17.4610  $[3*(24*x+1)/(x-1)^2$  ogf]  
A097802 21.2967  $-1/2*(-3-2*x+(9+300*x)^{(1/2)})/(-72+x)$  revogf  
A097802 29.1844  $-2*(13+12*x)/(24*x+1)/(x-1)$  lgdogf  
A097802 9.67717  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 3, a(1) = 78}]$ , ogf]  
A097803 14.1581  $[-3*(3*x^2+1)/(x-1)^3$  ogf]  
A097803 30.4533  $-3*(x+1)^2/(x-1)/(3*x^2+1)$  lgdogf  
A097803 7.14170  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 9, a(2) = 27}]$ , ogf]  
A097804 13.0576  $-1/2*(-9-6*x+(81+24*x+16*x^2)^{(1/2)})/(21+5*x)$  revogf  
A097804 15.0665  $-(-11-30*x+35*x^2)/(x-1)/(7*x-3)/(5*x-1)$  lgdogf  
A097804 15.8138  $[-3*(7*x-3)/(5*x-1)/(x-1)$  ogf]  
A097804 8.76426  $[{a(n+2)-6*a(n+1)+5*a(n), a(0) = 9, a(1) = 33}]$ , ogf]  
A097809 11.9340  $[-(x^2+1)/(2*x-1)/(x-1)^2$  ogf]  
A097809 16.2594  $-2*(-2+2*x+x^3+x^2)/(x-1)/(2*x-1)/(x^2+1)$  lgdogf  
A097809 6.01982  $[{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 4, a(2) = 12}]$ , ogf]  
A097810 11.2630  $[-(x^2+x+1)/(2*x-1)/(x-1)^2$  ogf]  
A097810 14.9653  $-(-5+3*x+2*x^3+6*x^2)/(x-1)/(2*x-1)/(x^2+x+1)$  lgdogf  
A097810 6.08002  $[{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 5, a(2) = 16}]$ , ogf]  
A097813 13.7586  $[-(3*x^2-2*x+1)/(2*x-1)/(x-1)^2$  ogf]  
A097813 7.49352  $[{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 6}]$ , ogf]  
A097814 27.7356  $-6+9*x+(1-3*x)*f(x)$  lgdegf

A097814 3.92927 [  $\{(-9n-18)a(n+1)+(3n+12)a(n+2)-a(n+3), a(0) = 1, a(1) = 6, a(2) = 45\}$ , ogf]  
A097815 28.8987  $-8+16x+(1-4x)f(x)$  lgdegf  
A097815 4.27035 [  $\{(-16n-32)a(n+1)+(4n+16)a(n+2)-a(n+3), a(0) = 1, a(1) = 8, a(2) = 80\}$ , ogf]  
A097816 25.4814  $-10+25x+(1-5x)f(x)$  lgdegf  
A097816 3.90143 [  $\{(-25n-50)a(n+1)+(5n+20)a(n+2)-a(n+3), a(0) = 1, a(1) = 10, a(2) = 125\}$ , ogf]  
A097817 27.5865  $-5+6x+(1-3x)f(x)$  lgdegf  
A097817 3.90859 [  $\{(-6n-12)a(n+1)+(3n+11)a(n+2)-a(n+3), a(0) = 1, a(1) = 5, a(2) = 34\}$ , ogf]  
A097818 4.48978 [  $\{-a(n+2)+101a(n+1)-100a(n), a(0) = 8, a(1) = 818\}$ , ogf]  
A097818 7.26719  $-1/20*(-8-101x+(64+1656x+9801x^2)^{(1/2)})/(-1+10x)$  revogf  
A097818 7.90202 [  $2*(5x+4)/(100x-1)/(x-1)$  ogf]  
A097818 8.37307  $-(409+800x+500x^2)/(-1+x)/(5x+4)/(100x-1)$  lgdogf  
A097819 28.4738  $-7+12x+(1-4x)f(x)$  lgdegf  
A097819 4.85917 [  $\{(-12n-24)a(n+1)+(4n+15)a(n+2)-a(n+3), a(0) = 1, a(1) = 7, a(2) = 65\}$ , ogf]  
A097820 29.9724  $-6+8x+(1-4x)f(x)$  lgdegf  
A097820 4.23947 [  $\{(-8n-16)a(n+1)+(4n+14)a(n+2)-a(n+3), a(0) = 1, a(1) = 6, a(2) = 52\}$ , ogf]  
A097821 25.9237  $-7+10x+(1-5x)f(x)$  lgdegf  
A097821 3.83743 [  $\{(-10n-20)a(n+1)+(5n+17)a(n+2)-a(n+3), a(0) = 1, a(1) = 7, a(2) = 74\}$ , ogf]  
A097826 16.4664  $-3*(4-8x+x^2)/(x-1)/(x^2-11x+1)$  lgdogf  
A097826 17.8976 [  $-1/(x-1)/(x^2-11x+1)$  ogf]  
A097826 5.96585 [  $\{a(n+3)-12a(n+2)+12a(n+1)-a(n), a(0) = 1, a(1) = 12, a(2) = 132\}$ , ogf]  
A097827 12.8584 [  $-1/(x-1)/(x^2-12x+1)$  ogf]  
A097827 14.0042  $-(13-26x+3x^2)/(x-1)/(x^2-12x+1)$  lgdogf  
A097827 4.28614 [  $\{a(n+3)-13a(n+2)+13a(n+1)-a(n), a(0) = 1, a(1) = 13, a(2) = 156\}$ , ogf]  
A097828 13.1490 [  $-1/(x-1)/(x^2-13x+1)$  ogf]  
A097828 14.3279  $-(14-28x+3x^2)/(x-1)/(x^2-13x+1)$  lgdogf  
A097828 4.38300 [  $\{a(n+3)-14a(n+2)+14a(n+1)-a(n), a(0) = 1, a(1) = 14, a(2) = 182\}$ , ogf]  
A097829 13.7302 [  $-1/(x-1)/(x^2-15x+1)$  ogf]  
A097829 14.9755  $-(16-32x+3x^2)/(x-1)/(x^2-15x+1)$  lgdogf  
A097829 4.57673 [  $\{a(n+3)-16a(n+2)+16a(n+1)-a(n), a(0) = 1, a(1) = 16, a(2) = 240\}$ , ogf]  
A097830 15.3803  $-(17-34x+3x^2)/(x-1)/(x^2-16x+1)$  lgdogf  
A097830 18.0441 [  $-1/(x-1)/(x^2-16x+1)$  ogf]  
A097830 6.01471 [  $\{a(n+3)-17a(n+2)+17a(n+1)-a(n), a(0) = 1, a(1) = 17, a(2) = 272\}$ , ogf]  
A097831 14.3113 [  $-1/(x-1)/(x^2-17x+1)$  ogf]  
A097831 16.0826  $-3*(6-12x+x^2)/(x-1)/(x^2-17x+1)$  lgdogf  
A097831 4.77044 [  $\{a(n+3)-18a(n+2)+18a(n+1)-a(n), a(0) = 1, a(1) = 18, a(2) = 306\}$ , ogf]  
A097832 12.8677 [  $-1/(x-1)/(x^2-19x+1)$  ogf]  
A097832 14.0214  $-(20-40x+3x^2)/(x-1)/(x^2-19x+1)$  lgdogf  
A097832 4.28922 [  $\{a(n+3)-20a(n+2)+20a(n+1)-a(n), a(0) = 1, a(1) = 20, a(2) = 380\}$ , ogf]  
A097833 13.0809 [  $-1/(x-1)/(x^2-20x+1)$  ogf]  
A097833 14.6784  $-3*(7-14x+x^2)/(x-1)/(x^2-20x+1)$  lgdogf  
A097833 4.36032 [  $\{a(n+3)-21a(n+2)+21a(n+1)-a(n), a(0) = 1, a(1) = 21, a(2) = 420\}$ , ogf]  
A097834 12.0547 [  $(x+1)/(x^2-27x+1)$  ogf]  
A097834 12.6379  $-1/2*(-27x-1+(725x^2+58x+1)^{(1/2)})/(x-1)$  revogf  
A097834 16.4675  $-(-28+2x+x^2)/(x+1)/(x^2+1-27x)$  lgdogf  
A097834 6.60140 [  $\{-a(n+2)+27a(n+1)-a(n), a(0) = 1, a(1) = 28\}$ , ogf]  
A097835 11.9945 [  $-(x-1)/(x^2-27x+1)$  ogf]

A097835 12.5734  $-1/2*(-27*x-1+(725*x^2+50*x+1)^{(1/2)})/(1+x)$  revogf  
A097835 16.8955  $-(26-2*x+x^2)/(x-1)/(x^2-27*x+1)$  lgdogf  
A097835 6.56839  $[{a(n+2)-27*a(n+1)+a(n), a(0) = 1, a(1) = 26}]$ , ogf]  
A097836 11.8330  $-1/2*(-1-51*x+(53*x+1)^{(1/2)}*(49*x+1)^{(1/2)})/x$  revogf  
A097836 16.3279  $[ 1/(x^2-51*x+1)$  ogf]  
A097836 23.6660  $-(-51+2*x)/(x^2+1-51*x)$  lgdogf  
A097836 6.60893  $[{-a(n+2)+51*a(n+1)-a(n), a(0) = 1, a(1) = 51}]$ , ogf]  
A097837 12.0685  $[ (x+1)/(x^2-51*x+1)$  ogf]  
A097837 12.0960  $-1/2*(-1-51*x+(1+106*x+2597*x^2)^{(1/2)})/(x-1)$  revogf  
A097837 16.4945  $-(-52+2*x+x^2)/(x+1)/(x^2+1-51*x)$  lgdogf  
A097837 6.60893  $[{-a(n+2)+51*a(n+1)-a(n), a(0) = 1, a(1) = 52}]$ , ogf]  
A097838 12.0685  $[ -(x-1)/(x^2-51*x+1)$  ogf]  
A097838 12.3709  $-1/2*(-1-51*x+(1+98*x+2597*x^2)^{(1/2)})/(1+x)$  revogf  
A097838 17.0099  $-(50-2*x+x^2)/(x-1)/(x^2+1-51*x)$  lgdogf  
A097838 6.60893  $[{a(n+2)-51*a(n+1)+a(n), a(0) = 1, a(1) = 50}]$ , ogf]  
A097839 13.1282  $-1/2*(-1-83*x+(81*x+1)^{(1/2)}*(85*x+1)^{(1/2)})/x$  revogf  
A097839 18.0802  $[ 1/(x^2-83*x+1)$  ogf]  
A097839 26.2563  $-(-83+2*x)/(x^2+1-83*x)$  lgdogf  
A097839 7.31818  $[{-a(n+2)+83*a(n+1)-a(n), a(0) = 1, a(1) = 83}]$ , ogf]  
A097840 13.1357  $-(-84+2*x+x^2)/(x+1)/(x^2+1-83*x)$  lgdogf  
A097840 5.28257  $[{-a(n+2)+83*a(n+1)-a(n), a(0) = 1, a(1) = 84}]$ , ogf]  
A097840 9.63281  $-1/2*(-1-83*x+(1+170*x+6885*x^2)^{(1/2)})/(x-1)$  revogf  
A097840 9.64643  $[ (x+1)/(x^2-83*x+1)$  ogf]  
A097841 13.5461  $-(-82-2*x+x^2)/(x-1)/(x^2+1-83*x)$  lgdogf  
A097841 5.28257  $[{a(n+2)-83*a(n+1)+a(n), a(0) = 1, a(1) = 82}]$ , ogf]  
A097841 9.63281  $-1/2*(-1-83*x+(1+162*x+6885*x^2)^{(1/2)})/(1+x)$  revogf  
A097841 9.64643  $[ -(x-1)/(x^2-83*x+1)$  ogf]  
A097842 11.0046  $-(-124+2*x+x^2)/(x+1)/(x^2-123*x+1)$  lgdogf  
A097842 16.4586  $[ (x+1)/(x^2-123*x+1)$  ogf]  
A097842 8.19492  $-1/2*(-1-123*x+(1+250*x+15125*x^2)^{(1/2)})/(x-1)$  revogf  
A097842 8.99480  $[{-a(n+2)+123*a(n+1)-a(n), a(0) = 1, a(1) = 124}]$ , ogf]  
A097843 11.0046  $-(-122-2*x+x^2)/(-1+x)/(x^2-123*x+1)$  lgdogf  
A097843 14.1740  $[ -(x-1)/(x^2-123*x+1)$  ogf]  
A097843 7.74628  $[{a(n+2)-123*a(n+1)+a(n), a(0) = 1, a(1) = 122}]$ , ogf]  
A097843 8.19492  $-1/2*(-1-123*x+(1+242*x+15125*x^2)^{(1/2)})/(1+x)$  revogf  
A097844 16.4004  $-(-171+2*x)/(x^2+1-171*x)$  lgdogf  
A097844 17.1916  $[ 1/(x^2-171*x+1)$  ogf]  
A097844 6.99658  $[{-a(n+2)+171*a(n+1)-a(n), a(0) = 1, a(1) = 171}]$ , ogf]  
A097844 8.36755  $-1/2*(-171*x-1+(173*x+1)^{(1/2)}*(169*x+1)^{(1/2)})/x$  revogf  
A097845 11.7146  $-(-172+2*x+x^2)/(x+1)/(x^2+1-171*x)$  lgdogf  
A097845 4.88314  $[{-a(n+2)+171*a(n+1)-a(n), a(0) = 1, a(1) = 172}]$ , ogf]  
A097845 8.72362  $-1/2*(-1-171*x+(1+346*x+29237*x^2)^{(1/2)})/(x-1)$  revogf  
A097845 8.93511  $[ (x+1)/(x^2-171*x+1)$  ogf]  
A097852 4.59058  $[ (x^8+x^7-x^5-x^4-x^3+x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^3/(x-1)^4$  ogf]  
A097864 5.09009  $[ x*(x^25+x^23-x^19-x^17-x^16-2*x^13-x^12-x^11-x^9+x^8+4*x^7+2*x^6+x^5+2*x^4+x^3+x^2+x+1)/(x-1)^2/(x^2+x+1)^2/(x^6+x^3+1)^2$  ogf]  
A097869 17.4207  $[ -x^9-x^7+x^4+3*x^3+x+1$  ogf\_with\_Euler\_transform]  
A097869 5.71754  $[ (x^4-x^3+x^2-x+1)*(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A097869 7.19380  $-(-1+2*x-10*x^6+14*x^5-10*x^4+16*x^3-3*x^8+4*x^9-x^10+2*x^11+18*x^7-x^2)/(x-1)/(x+1)/(x^2+1)/(x^4-x^3+x^2-x+1)/(x^4+1)$  lgdogf  
A097870 6.18827  $[ (x+1)*(x^2-x+1)*(x^4+x^3+x^2+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A097870 7.77858  $-(-2+4*x+4*x^8+15*x^6+20*x^5+17*x^4+10*x^3+16*x^2+x^9+7*x^7)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+1)$  lgdogf  
A097893 18.5149  $-2*(-1+3*x^2)/(x-1)/(-1+3*x)/(x+1)$  lgdogf  
A097895 10.0753  $[ x^2*(3*x-2)/(2*x-1)/(2*x^2-1)/(x^2+x-1)$  ogf]  
A097895 10.5308  $-(-3-4*x-22*x^4-64*x^3+48*x^5+51*x^2)/(2*x-1)/(3*x-2)/(2*x^2-1)/(x^2+x-1)$  lgdogf  
A097896 10.1044  $-(-2+2*x^6+12*x^5+3*x^4-10*x^3-3*x^2)/(2*x^2-1)/(x^2+x-1)/(x^3+3*x^2-x-1)$  lgdogf

A097896 9.63725 [  $-(x^3+3x^2-x-1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A097900 17.8808  $-6*(x-2)/(x-1)/(x^3-3x^2+6x-6)$  lgdegf  
A097900 8.22770 [  $1/6*(x^3-3x^2+6x-6)/(x-1)^3$  egf]  
A097913 5.44589 [  $(x^{12}-x^6+1)/(x^4-x^2+1)/(x^8-x^4+1)/(x^2+1)^2/(x^2+x+1)^2/(x^2-x+1)^2/(x^4+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A097920 10.2781 [  $-(x^2+1)*(x^8-x^6+x^4-x^2+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A097920 20.0375 [  $-x^{19}+x^9+x^4+x^2+1$  ogf\_with\_Euler\_transform]  
A097921 11.7918  $(-1-2*x+x^8-x^6-6*x^5-2*x^3-2*x^7-5*x^2)/(x-1)/(x^4+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A097921 18.0648 [  $-x^7-x^5+x^3+2*x^2+x+1$  ogf\_with\_Euler\_transform]  
A097921 8.80103 [  $-(x^2-x+1)*(x^4+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A097922 10.1464  $(-1-4*x+x^8-2*x^6-4*x^5-x^4-4*x^3-2*x^7-x^2)/(x-1)/(x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+1)$  lgdogf  
A097922 18.0648 [  $-x^9+x^4-x^3+x^2+2*x+1$  ogf\_with\_Euler\_transform]  
A097922 8.15508 [  $-(x^2+1)*(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A097923 10.2675 [  $-(x^4+1)*(x^{16}-x^{12}+x^8-x^4+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A097924 16.8097 [  $(x-2)/(x^2+4*x-1)$  ogf]  
A097924 21.8694  $(-1-2*x+(1+3*x+5*x^2)^{(1/2)})/(x-1)$  revogf  
A097924 23.2363  $(-7-4*x+x^2)/(-2+x)/(x^2+4*x-1)$  lgdogf  
A097924 9.22484 [  $\{-a(n+2)+4*a(n+1)+a(n), a(0) = 2, a(1) = 7\}$ , ogf]  
A097926 8.50300  $-(18+34*x+5*x^6+16*x^5+30*x^4+44*x^3+43*x^2)/(x^4+x^3+x^2+x-1)/(5*x^3+8*x^2+9*x+9)$  lgdogf  
A097926 8.77594 [  $-2*(5*x^3+8*x^2+9*x+9)/(x^4+x^3+x^2+x-1)$  ogf]  
A097927 8.64041 [  $-(2*x^9+4*x^8+8*x^7+16*x^6+32*x^5+29*x^4+35*x^3+23*x^2+46*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A097944 19.0721  $(-1+3*x^4-4*x^3+24*x^25-25*x^24)/(x-1)/(x^{25}+x^4+1)$  lgdogf  
A097944 19.8259 [  $-(x^{25}+x^4+1)/(x-1)$  ogf]  
A097947 10.7783  $(-1+4*x+4*x^5+32*x^2+64*x^3+29*x^4)/(x-1)/(x+1)/(2*x^2+7*x+2)/(x^2+4*x+1)$  lgdogf  
A097947 12.5350 [  $(2*x^2+7*x+2)/(x-1)/(x+1)/(x^2+4*x+1)$  ogf]  
A097948 10.2522  $(-4+6*x+x^6+6*x^5+3*x^2+4*x^3+12*x^4)/(x-1)/(x+1)/(x^2+4*x+1)/(x^3+3*x^2-1)$  lgdogf  
A097948 11.3783 [  $-(x^3+3*x^2-1)/(x-1)/(x+1)/(x^2+4*x+1)$  ogf]  
A097949 11.9157  $(-1-21*x^2-56*x^3-21*x^4+x^6)/(x-1)/(x+1)/(x^2+4*x+1)/(x^3-7*x-2)$  lgdogf  
A097949 12.1568 [  $-(x^3-7*x-2)/(x-1)/(x+1)/(x^2+4*x+1)$  ogf]  
A097950 11.1070 [  $(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf]  
A097950 11.4417  $(-1+x+6*x^8+7*x^6+3*x^5-7*x^4+5*x^3-13*x^7-3*x^2)/(x-1)/(x^8-x^7+x^5-x^4+x^3-x+1)$  lgdogf  
A097950 24.7688 [  $-x^{14}+x^4+x^2+1$  ogf\_with\_Euler\_transform]  
A097971 11.0498 [  $2*(x+1)/(x-1)^4$  egf]  
A097971 3.96494 [  $\{(-n^2-6*n-8)*a(n+1)+(2*n^2+19*n+40)*a(n+2)+(-2*n-6)*a(n+3), a(0) = 2, a(1) = 10, a(2) = 56\}$ , ogf]  
A097971 33.1028  $-(3*x+5)/(x-1)/(x+1)$  lgdegf  
A097992 16.9927  $-(1+x+x^2+x^3+x^4+7*x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A097992 23.6475 [  $1/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A097992 38.6842 [  $[x^5+1]$  ogf\_with\_Euler\_transform]  
A097999 23.5600  $-3*(x-3)/(x^2-6*x+1)$  lgdegf  
A097999 3.32437 [  $\{(n^2+6*n+8)*a(n+1)+(-6*n-21)*a(n+2)+a(n+3), a(0) = 1, a(1) = 9, a(2) = 132\}$ , ogf]  
A097999 7.03285  $(-3-18*x-24*x^2+((2*x+1)*(1+4*x)*(3+8*x)^2)^{(1/2)})/(2*x+1)/(1+4*x)$  revegf  
A098011 16.4564 [  $(x^3+x-1)/(2*x-1)$  ogf]  
A098011 22.0130  $(1+4*x^3-3*x^2)/(2*x-1)/(x^3+x-1)$  lgdogf  
A098011 7.71392 [  $\{a(n+4)-2*a(n+3), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 3\}$ , ogf]  
A098022 7.12964 [  $(2*x^9+5*x^8+5*x^7+7*x^6+5*x^5+7*x^4+5*x^3+7*x^2+5*x+5)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A098054 8.09324 [  $x*(2*x^{10}-3*x^6-2*x^5-2*x^4+x^3+x^2+x+1)/(x^4+x^2-1)/(x^4-x^2-1)$  ogf]

A098067 6.43017 [  $(100x^{22}-219x^{21}+138x^{20}-19x^{19}+100x^{12}-210x^{11}+120x^{10}-10x^9+10x^2-21x+12)/(x-1)^2$  ogf]  
A098077 19.8907  $-2*(5+12*x+3*x^2)/(x-1)/(2*x^2+5*x+1)$  lgdogf  
A098077 3.73223 [  $\{(n+4)*a(n+4)+(2+4*n)*a(n+3)+(-30-3*n)*a(n+2)+(-8-2*n)*a(n+1), a(0) = 2, a(1) = 20, a(2) = 84, a(3) = 240\}$ , ogf]  
A098077 9.37724 [  $-2*(2*x^2+5*x+1)/(x-1)^5$  ogf]  
A098098 9.62541 [  $-(4*x^4+2*x^3+2*x^2+2*x+2)/(-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A098106 10.2737 [  $-(12*x^3-6*x^2+x-1)/(4*x^2-2*x+1)^2$  ogf]  
A098106 14.0424  $-3*(1-2*x-8*x^2-8*x^3+16*x^4)/(12*x^3-6*x^2+x-1)/(4*x^2-2*x+1)$  lgdogf  
A098108 18.0971 [  $x^7/(x^8+1)$  ogf\_with\_Euler\_transform]  
A098111 15.7837 [  $-(5*x-1)/(5*x^2-5*x+1)$  ogf]  
A098111 18.9923  $-1/10*(-1-5*x+(1-10*x+5*x^2)^{1/2})/(1+x)$  revogf  
A098111 22.2482  $-5*x*(-2+5*x)/(5*x-1)/(5*x^2-5*x+1)$  lgdogf  
A098111 8.76872 [  $\{-a(n+2)+5*a(n+1)-5*a(n), a(0) = 1, a(1) = 0\}$ , ogf]  
A098118 3.24895 [  $\{(16*n^3+128*n^2+340*n+300)*a(n+1)+(-8*n^2-52*n-86)*a(n+2)+(n+4)*a(n+3), a(0) = 1, a(1) = 7, a(2) = 74\}$ , ogf]  
A098123 15.2689  $-2*x^2*(x^2+3)/(x-1)/(x+1)/(x^4-4*x^3-2*x^2+1)$  lgdogf  
A098127 16.9266 [  $-(19*x+7)/(x^2+x-1)$  ogf]  
A098127 19.6000  $1/2/(19+x)*(-7-x+(49+90*x+5*x^2)^{1/2})$  revogf  
A098127 21.2333  $-(26+14*x+19*x^2)/(19*x+7)/(x^2+x-1)$  lgdogf  
A098127 9.38099 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 7, a(1) = 26\}$ , ogf]  
A098140 12.0157 [  $-x*(60*x+1)/(x-1)^3$  ogf]  
A098140 24.9519  $-3*(21+40*x)/(60*x+1)/(x-1)$  lgdogf  
A098140 6.22239 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 63\}$ , ogf]  
A098149 14.6617 [  $-(4*x+1)/(x^2+3*x+1)$  ogf]  
A098149 17.8572  $1/2/(4+x)*(-1-3*x+(1-10*x+5*x^2)^{1/2})$  revogf  
A098149 19.8980  $-(-1+2*x+4*x^2)/(4*x+1)/(x^2+3*x+1)$  lgdogf  
A098149 8.04605 [  $\{a(n+2)+3*a(n+1)+a(n), a(0) = -1, a(1) = -1\}$ , ogf]  
A098150 10.9226 [  $\{a(n+2)+3*a(n+1)+a(n), a(0) = -3, a(1) = 11\}$ , ogf]  
A098150 16.6163  $1/2/(-2+x)*(-3-3*x+(9+26*x+5*x^2)^{1/2})$  revogf  
A098150 18.4626  $-(-11-6*x+2*x^2)/(2*x-3)/(x^2+3*x+1)$  lgdogf  
A098150 20.1461 [  $(2*x-3)/(x^2+3*x+1)$  ogf]  
A098151 13.9890 [  $-(-2*x^4-x^3-x-2)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A098153 6.19125 [  $-(100890*x^7-890*x^6+900890*x^5+90010*x^4+10000*x^3+90*x^2+10*x+1)/(x-1)$  ogf]  
A098154 5.93251 [  $(999990*x^7-1001000*x^6-1000000*x^5-9000*x^4-1091*x^3-10*x^2-10*x-1)/(x-1)$  ogf]  
A098155 4.02360 [  $(99999000*x^{11}-100100000*x^{10}-99901000*x^9-897990*x^8+99990*x^7-101000*x^6-208101*x^5-2000*x^4-1091*x^3-10*x^2-10*x-1)/(x-1)$  ogf]  
A098156 11.0400 [  $(x^3+x^2-2*x+1)/(2*x-1)^2$  ogf]  
A098156 14.6630  $(-2+2*x-3*x^2+2*x^3)/(-1+2*x)/(x^3+x^2-2*x+1)$  lgdogf  
A098156 5.85598 [  $\{a(n+4)-4*a(n+3)+4*a(n+2), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 13\}$ , ogf]  
A098177 10.6508 [  $(x+1)*(x^{12}-2*x^{11}+2*x^{10}-2*x^9+2*x^8-2*x^7+2*x^6-2*x^5+x^4+x^2-x+1)/(x-1)^2$  ogf]  
A098177 6.82880  $(-2+12*x^{11}-3*x^{12}-3*x^3-23*x^{12}+11*x^{13}+7*x^4-3*x^5)/(x-1)/(x+1)/(x^{12}-2*x^{11}+2*x^{10}-2*x^9+2*x^8-2*x^7+2*x^6-2*x^5+x^4+x^2-x+1)$  lgdogf  
A098178 15.2683 [  $-(x+1)*(x^2-x+1)/(x^2+1)/(x-1)$  ogf]  
A098178 18.0125  $-(1-2*x+x^4-2*x^3+6*x^2)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)$  lgdogf  
A098178 21.1830 [  $-x^5+x^3+x^2-x+1$  ogf\_with\_Euler\_transform]  
A098178 6.64344 [  $\{a(n+4)-a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 1\}$ , ogf]  
A098179 8.57771  $-(-2+14*x+24*x^5-66*x^4+76*x^3-45*x^2)/(x-1)/(2*x-1)/(3*x^2-3*x+1)/(2*x^2-2*x+1)$  lgdogf  
A098179 9.86027 [  $(3*x^2-3*x+1)/(x-1)/(2*x-1)/(2*x^2-2*x+1)$  ogf]  
A098180 13.8169 [  $(x+1)*(x^2-x+1)/(x^2+1)/(x-1)^2$  ogf]

A098180 15.7320  $-(2 \cdot 2^x + x^5 - x^3 + x^4 + 7 \cdot x^2) / (x-1) / (x+1) / (x^2+1) / (x^2-x+1)$  lgdogf  
A098180 21.8332  $[-x^5 + x^3 + x^2 - x + 2]$  ogf\_with\_Euler\_transform  
A098180 4.58215  $[ \{ (2^{n+7}) \cdot a(n+1) + (-2^{n-5}) \cdot a(n+2) + (2^{n+7}) \cdot a(n+3) + (-2^{n-5}) \cdot a(n+4),$   
 $a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 3 \} ,$  ogf]  
A098181 14.7230  $[ (x+1) / (x^2+1) / (x-1)^2]$  ogf]  
A098181 23.1841  $-(3-x+3 \cdot x^2+3 \cdot x^3) / (x^2+1) / (x-1) / (x+1)$  lgdogf  
A098181 30.8677  $[ [x^3 - 2 \cdot x + 3]$  ogf\_with\_Euler\_transform]  
A098181 4.58215  $[ \{ (2^{n+9}) \cdot a(n+1) + (-2^{n-7}) \cdot a(n+2) + (2^{n+9}) \cdot a(n+3) + (-2^{n-7}) \cdot a(n+4),$   
 $a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 4 \} ,$  ogf]  
A098182 10.2657  $[ -(x-1)^2 / (x^3 - x^2 + 3 \cdot x - 1)]$  ogf]  
A098182 15.7186  $-( -1 - x - 3 \cdot x^2 + x^3) / (x-1) / (x^3 - x^2 + 3 \cdot x - 1)$  lgdogf  
A098182 5.59116  $[ \{-a(n+3) + 3 \cdot a(n+2) - a(n+1) + a(n), a(0) = 1, a(1) = 1, a(2) = 3 \} ,$   
ogf]  
A098183 11.9259  $[ -(x-1)^2 / (x^3 + 3 \cdot x - 1)]$  ogf]  
A098183 16.7308  $-( -1 - 3 \cdot x - 3 \cdot x^2 + x^3) / (x-1) / (x^3 + 3 \cdot x - 1)$  lgdogf  
A098183 6.72416  $[ \{ a(n+3) - 3 \cdot a(n+2) - a(n), a(0) = 1, a(1) = 1, a(2) = 4 \} ,$  ogf]  
A098184 10.0788  $[ -(x-1)^2 / (x^3 + x^2 + 3 \cdot x - 1)]$  ogf]  
A098184 15.0483  $-(x+1) \cdot (x^2 - 4 \cdot x - 1) / (x-1) / (x^3 + x^2 + 3 \cdot x - 1)$  lgdogf  
A098184 5.48934  $[ \{ a(n+3) - 3 \cdot a(n+2) - a(n+1) - a(n), a(0) = 1, a(1) = 1, a(2) = 5 \} ,$   
ogf]  
A098207 3.30669  $[ \{ a(n+3) - 111 \cdot a(n+2) + 1110 \cdot a(n+1) - 1000 \cdot a(n), a(0) = 1, a(1) = 961,$   
 $a(2) = 109561 \} ,$  ogf]  
A098207 5.67500  $[ -(4000 \cdot x^2 + 850 \cdot x + 1) / (x-1) / (100 \cdot x - 1) / (10 \cdot x - 1)]$  ogf]  
A098209 3.58676  $[ \{-a(n+3) + 111 \cdot a(n+2) - 1110 \cdot a(n+1) + 1000 \cdot a(n), a(0) = 0, a(1) = 48,$   
 $a(2) = 4488 \} ,$  ogf]  
A098209 6.37466  $-( -187 + 4440 \cdot x + 70000 \cdot x^3 - 44850 \cdot x^2) / (x-1) / (35 \cdot x - 2) / (100 \cdot x - 1) /$   
 $(10 \cdot x - 1)$  lgdogf  
A098209 6.48781  $[ 24 \cdot x \cdot (35 \cdot x - 2) / (x-1) / (100 \cdot x - 1) / (10 \cdot x - 1)]$  ogf]  
A098210 3.58676  $[ \{ a(n+3) - 111 \cdot a(n+2) + 1110 \cdot a(n+1) - 1000 \cdot a(n), a(0) = 0, a(1) = 15,$   
 $a(2) = 1155 \} ,$  ogf]  
A098210 6.46980  $-( -77 + 2220 \cdot x + 68000 \cdot x^3 - 40740 \cdot x^2) / (x-1) / (10 \cdot x - 1) / (34 \cdot x - 1) /$   
 $(100 \cdot x - 1)$  lgdogf  
A098210 6.48781  $[ 15 \cdot x \cdot (34 \cdot x - 1) / (x-1) / (100 \cdot x - 1) / (10 \cdot x - 1)]$  ogf]  
A098212 11.9192  $-(25 + 48 \cdot x - 10 \cdot x^2 + x^4) / (x+1) / (1 - 6 \cdot x + x^2) / (x^2 - 5)$  lgdogf  
A098212 12.2557  $[ -(x^2 - 5) / (x+1) / (x^2 - 6 \cdot x + 1)]$  ogf]  
A098212 6.07457  $[ \{ a(n+3) - 5 \cdot a(n+2) - 5 \cdot a(n+1) + a(n), a(0) = 5, a(1) = 25, a(2) =$   
 $149 \} ,$  ogf]  
A098224 6.42521  $[ -$   
 $(145227 \cdot x^8 + 90510 \cdot x^7 + 33950 \cdot x^6 + 10239 \cdot x^5 + 2529 \cdot x^4 + 510 \cdot x^3 + 97 \cdot x^2 + 20 \cdot x + 4) / (x-1)$   
ogf]  
A098230 18.9134  $[ -x \cdot (72 \cdot x + 1) / (x-1)^3]$  ogf]  
A098230 40.1920  $-3 \cdot (25 + 48 \cdot x) / (72 \cdot x + 1) / (x-1)$  lgdogf  
A098230 9.79446  $[ \{ a(n+3) - 3 \cdot a(n+2) + 3 \cdot a(n+1) - a(n), a(0) = 0, a(1) = 1, a(2) = 75 \} ,$   
ogf]  
A098232 5.18214  $[ -(2048 \cdot x^7 + 512 \cdot x^6 + 2 \cdot x + 1) \cdot (64 \cdot x^4 + 8 \cdot x^2 + 1) / (524288 \cdot x^{12} - 1)]$   
ogf]  
A098244 12.0591  $-(170 - 2 \cdot x + x^2) / (x-1) / (x^2 + 1 - 171 \cdot x)$  lgdogf  
A098244 4.88314  $[ \{ a(n+2) - 171 \cdot a(n+1) + a(n), a(0) = 1, a(1) = 170 \} ,$  ogf]  
A098244 8.72362  $-1/2 \cdot (-1 - 171 \cdot x + (1 + 338 \cdot x + 29237 \cdot x^2)^{(1/2)}) / (1+x)$  revogf  
A098244 8.93511  $[ -(x-1) / (x^2 - 171 \cdot x + 1)]$  ogf]  
A098245 12.5665  $[ 1 / (x^2 - 227 \cdot x + 1)]$  ogf]  
A098245 17.1956  $-( -227 + 2 \cdot x) / (x^2 + 1 - 227 \cdot x)$  lgdogf  
A098245 5.11429  $[ \{-a(n+2) + 227 \cdot a(n+1) - a(n), a(0) = 1, a(1) = 227 \} ,$  ogf]  
A098245 8.77325  $-1/2 \cdot (-227 \cdot x - 1 + (225 \cdot x + 1)^{(1/2)} \cdot (229 \cdot x + 1)^{(1/2)}) / x$  revogf  
A098246 12.2826  $-( -228 + 2 \cdot x + x^2) / (x+1) / (x^2 + 1 - 227 \cdot x)$  lgdogf  
A098246 5.11429  $[ \{-a(n+2) + 227 \cdot a(n+1) - a(n), a(0) = 1, a(1) = 228 \} ,$  ogf]  
A098246 9.14658  $-1/2 \cdot (-1 - 227 \cdot x + (1 + 458 \cdot x + 51525 \cdot x^2)^{(1/2)}) / (x-1)$  revogf  
A098246 9.35806  $[ (x+1) / (x^2 - 227 \cdot x + 1)]$  ogf]  
A098247 12.6438  $-(226 - 2 \cdot x + x^2) / (x-1) / (x^2 + 1 - 227 \cdot x)$  lgdogf  
A098247 5.11429  $[ \{ a(n+2) - 227 \cdot a(n+1) + a(n), a(0) = 1, a(1) = 226 \} ,$  ogf]  
A098247 9.14658  $-1/2 \cdot (-1 - 227 \cdot x + (1 + 450 \cdot x + 51525 \cdot x^2)^{(1/2)}) / (1+x)$  revogf

A098247 9.35806 [  $-(x-1)/(x^2-227x+1)$  ogf]  
A098248 13.0635 [  $1/(x^2-291x+1)$  ogf]  
A098248 17.8914  $-(-291+2x)/(x^2+1-291x)$  lgdogf  
A098248 5.31655 [  $\{-a(n+2)+291a(n+1)-a(n), a(0) = 1, a(1) = 291\}$ , ogf]  
A098248 9.12824  $-1/2*(-291x-1+(289x+1)^{1/2}*(293x+1)^{1/2})/x$  revogf  
A098249 12.7795  $-(-292+2x+x^2)/(1+x)/(x^2+1-291x)$  lgdogf  
A098249 5.31655 [  $\{-a(n+2)+291a(n+1)-a(n), a(0) = 1, a(1) = 292\}$ , ogf]  
A098249 9.51668  $-1/2*(-1-291x+(1+586x+84677x^2)^{1/2})/(x-1)$  revogf  
A098249 9.72815 [  $(x+1)/(x^2-291x+1)$  ogf]  
A098250 13.1554  $-(290-2x+x^2)/(x-1)/(x^2+1-291x)$  lgdogf  
A098250 5.31655 [  $\{a(n+2)-291a(n+1)+a(n), a(0) = 1, a(1) = 290\}$ , ogf]  
A098250 9.51668  $-1/2*(-1-291x+(1+578x+84677x^2)^{1/2})/(1+x)$  revogf  
A098250 9.72815 [  $-(x-1)/(x^2-291x+1)$  ogf]  
A098251 13.5605 [  $1/(x^2-363x+1)$  ogf]  
A098251 18.5871  $-(-363+2x)/(x^2+1-363x)$  lgdogf  
A098251 5.51881 [  $\{-a(n+2)+363a(n+1)-a(n), a(0) = 1, a(1) = 363\}$ , ogf]  
A098251 9.48323  $-1/2*(-363x-1+(365x+1)^{1/2}*(361x+1)^{1/2})/x$  revogf  
A098252 10.0983 [  $(x+1)/(x^2-363x+1)$  ogf]  
A098252 13.2765  $-(-364+2x+x^2)/(x+1)/(x^2+1-363x)$  lgdogf  
A098252 5.51881 [  $\{-a(n+2)+363a(n+1)-a(n), a(0) = 1, a(1) = 364\}$ , ogf]  
A098252 9.68080  $-1/2*(-1-363x+(1+730x+131765x^2)^{1/2})/(x-1)$  revogf  
A098253 10.0983 [  $-(x-1)/(x^2-363x+1)$  ogf]  
A098253 13.6670  $-(362-2x+x^2)/(x-1)/(x^2+1-363x)$  lgdogf  
A098253 5.51881 [  $\{a(n+2)-363a(n+1)+a(n), a(0) = 1, a(1) = 362\}$ , ogf]  
A098253 9.68080  $-1/2*(-1-363x+(1+722x+131765x^2)^{1/2})/(1+x)$  revogf  
A098254 13.9155 [  $1/(x^2-443x+1)$  ogf]  
A098254 19.0841  $-(-443+2x)/(x^2+1-443x)$  lgdogf  
A098254 5.66328 [  $\{-a(n+2)+443a(n+1)-a(n), a(0) = 1, a(1) = 443\}$ , ogf]  
A098254 9.73679  $-1/2*(-443x-1+(445x+1)^{1/2}*(441x+1)^{1/2})/x$  revogf  
A098255 10.3626 [  $(x+1)/(x^2-443x+1)$  ogf]  
A098255 13.6315  $-(-444+2x+x^2)/(x+1)/(x^2+1-443x)$  lgdogf  
A098255 5.66328 [  $\{-a(n+2)+443a(n+1)-a(n), a(0) = 1, a(1) = 444\}$ , ogf]  
A098255 9.93964  $-1/2*(-1-443x+(1+890x+196245x^2)^{1/2})/(x-1)$  revogf  
A098256 10.3626 [  $-(x-1)/(x^2-443x+1)$  ogf]  
A098256 14.0324  $-(442-2x+x^2)/(x-1)/(x^2+1-443x)$  lgdogf  
A098256 5.66328 [  $\{a(n+2)-443a(n+1)+a(n), a(0) = 1, a(1) = 442\}$ , ogf]  
A098256 9.93964  $-1/2*(-1-443x+(1+882x+196245x^2)^{1/2})/(1+x)$  revogf  
A098257 14.2705 [  $1/(x^2-531x+1)$  ogf]  
A098257 19.5811  $-(-531+2x)/(x^2+1-531x)$  lgdogf  
A098257 5.80776 [  $\{-a(n+2)+531a(n+1)-a(n), a(0) = 1, a(1) = 531\}$ , ogf]  
A098257 9.99035  $-1/2*(-531x-1+(529x+1)^{1/2}*(533x+1)^{1/2})/x$  revogf  
A098258 10.6270 [  $(x+1)/(x^2-531x+1)$  ogf]  
A098258 13.9865  $-(-532+2x+x^2)/(x+1)/(x^2+1-531x)$  lgdogf  
A098258 5.80776 [  $\{-a(n+2)+531a(n+1)-a(n), a(0) = 1, a(1) = 532\}$ , ogf]  
A098258 9.99035  $-1/2*(-1-531x+(1+1066x+281957x^2)^{1/2})/(x-1)$  revogf  
A098259 10.6270 [  $-(x-1)/(x^2-531x+1)$  ogf]  
A098259 14.3979  $-(530-2x+x^2)/(x-1)/(x^2+1-531x)$  lgdogf  
A098259 5.80776 [  $\{a(n+2)-531a(n+1)+a(n), a(0) = 1, a(1) = 530\}$ , ogf]  
A098259 9.99035  $-1/2*(-1-531x+(1+1058x+281957x^2)^{1/2})/(1+x)$  revogf  
A098260 11.8525 [  $1/(x^2-627x+1)$  ogf]  
A098260 16.2098  $-(-627+2x)/(x^2+1-627x)$  lgdogf  
A098260 4.82369 [  $\{-a(n+2)+627a(n+1)-a(n), a(0) = 1, a(1) = 627\}$ , ogf]  
A098260 8.27031  $-1/2*(-1-627x+(625x+1)^{1/2}*(629x+1)^{1/2})/x$  revogf  
A098261 11.5784  $-(-628+2x+x^2)/(x+1)/(x^2+1-627x)$  lgdogf  
A098261 4.82369 [  $\{-a(n+2)+627a(n+1)-a(n), a(0) = 1, a(1) = 628\}$ , ogf]  
A098261 8.27031  $-1/2*(-1-627x+(1+1258x+393125x^2)^{1/2})/(x-1)$  revogf  
A098261 8.82632 [  $(x+1)/(x^2-627x+1)$  ogf]  
A098262 11.9190  $-(626-2x+x^2)/(x-1)/(x^2+1-627x)$  lgdogf  
A098262 4.82369 [  $\{a(n+2)-627a(n+1)+a(n), a(0) = 1, a(1) = 626\}$ , ogf]  
A098262 8.27031  $-1/2*(-1-627x+(1+1250x+393125x^2)^{1/2})/(1+x)$  revogf  
A098262 8.82632 [  $-(x-1)/(x^2-627x+1)$  ogf]



A098263 12.1265 [  $1/(x^2-731x+1)$  ogf]  
A098263 16.5935  $-(-731+2x)/(x^2+1-731x)$  lgdogf  
A098263 4.93521 [  $\{-a(n+2)+731a(n+1)-a(n), a(0) = 1, a(1) = 731\}$ , ogf]  
A098263 8.46606  $-1/2*(-1-731x+(733x+1)^{1/2}*(729x+1)^{1/2})/x$  revogf  
A098264 31.9206  $-(1+19x)/(19x^2-1+2x)$  lgdogf  
A098264 5.09130 [  $\{(n+3)a(n+3)+(-5-2n)a(n+2)+(-38-19n)a(n+1), a(0) = 1, a(1) = 1, a(2) = 11\}$ , ogf]  
A098265 33.2618  $-(1+23x)/(23x^2-1+2x)$  lgdogf  
A098265 5.30169 [  $\{(n+3)a(n+3)+(-5-2n)a(n+2)+(-46-23n)a(n+1), a(0) = 1, a(1) = 1, a(2) = 13\}$ , ogf]  
A098269 20.8949  $-4*(-2+x)/(4x^2+1-16x)$  lgdogf  
A098269 3.35171 [  $\{(-n-3)a(n+3)+(40+16n)a(n+2)+(-8-4n)a(n+1), a(0) = 1, a(1) = 8, a(2) = 94\}$ , ogf]  
A098270 20.8132  $-2*(-5+2x)/(4x^2+1-20x)$  lgdogf  
A098270 3.56436 [  $\{(-n-3)a(n+3)+(50+20n)a(n+2)+(-8-4n)a(n+1), a(0) = 1, a(1) = 10, a(2) = 148\}$ , ogf]  
A098272 23.7743  $1/4*(1+(1-8x)^{1/2})*x$  revogf  
A098272 4.42970 [  $\{(-54n^2-162n-120)a(n+1)+(2n^2+9n+10)a(n+2), a(0) = 2, a(1) = 8\}$ , ogf]  
A098272 9.62314 [  $2*\text{hypergeom}([1/3, 2/3], [3/2], 27x)$  ogf]  
A098290 8.52963 [  $-x*(158x^6+392x^5+380x^4+208x^3+10x^2+x+2)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A098291 11.8525  $-(-732+2x+x^2)/(x+1)/(x^2+1-731x)$  lgdogf  
A098291 4.93521 [  $\{-a(n+2)+731a(n+1)-a(n), a(0) = 1, a(1) = 732\}$ , ogf]  
A098291 8.46606  $-1/2*(-1-731x+(1+1466x+534357x^2)^{1/2})/(x-1)$  revogf  
A098291 9.03038 [  $(x+1)/(x^2-731x+1)$  ogf]  
A098292 12.2011  $-(730-2x+x^2)/(x-1)/(x^2+1-731x)$  lgdogf  
A098292 4.93521 [  $\{a(n+2)-731a(n+1)+a(n), a(0) = 1, a(1) = 730\}$ , ogf]  
A098292 8.46606  $-1/2*(-1-731x+(1+1458x+534357x^2)^{1/2})/(1+x)$  revogf  
A098292 9.03038 [  $-(x-1)/(x^2-731x+1)$  ogf]  
A098293 11.3289 [  $-(2x+1)*(x^2+x-1)/(3x^2-1)/(2x^2-1)$  ogf]  
A098293 9.37300  $-(1+4x-8x^4-24x^3-x^2+36x^5+12x^6)/(2x+1)/(3x^2-1)/(x^2+x-1)/(2x^2-1)$  lgdogf  
A098296 10.0027 [  $-x*(x+1)/(x-1)/(x^2-9x+1)$  ogf]  
A098296 12.6342  $-(11-20x-7x^2+2x^3)/(x-1)/(x+1)/(x^2-9x+1)$  lgdogf  
A098296 5.17683 [  $\{a(n+3)-10a(n+2)+10a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 11\}$ , ogf]  
A098297 12.1618  $-2*(6-11x-4x^2+x^3)/(x-1)/(x+1)/(x^2-10x+1)$  lgdogf  
A098297 4.98489 [  $\{a(n+3)-11a(n+2)+11a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 12\}$ , ogf]  
A098297 9.63181 [  $-x*(x+1)/(x-1)/(x^2-10x+1)$  ogf]  
A098298 11.9031  $-(13-24x-9x^2+2x^3)/(x-1)/(x+1)/(x^2-11x+1)$  lgdogf  
A098298 12.0749 [  $-x*(x+1)/(x-1)/(x^2-11x+1)$  ogf]  
A098298 6.24928 [  $\{a(n+3)-12a(n+2)+12a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 13\}$ , ogf]  
A098299 10.9960  $-2*(7-13x+x^3-5x^2)/(x-1)/(x+1)/(x^2-12x+1)$  lgdogf  
A098299 4.51304 [  $\{a(n+3)-13a(n+2)+13a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 14\}$ , ogf]  
A098299 8.72010 [  $-x*(x+1)/(x-1)/(x^2-12x+1)$  ogf]  
A098300 10.7787  $-(15-28x+2x^3-11x^2)/(x-1)/(x+1)/(x^2-13x+1)$  lgdogf  
A098300 4.61445 [  $\{a(n+3)-14a(n+2)+14a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 15\}$ , ogf]  
A098300 8.91605 [  $-x*(x+1)/(x-1)/(x^2-13x+1)$  ogf]  
A098301 11.6783 [  $-x*(x+1)/(x-1)/(x^2-14x+1)$  ogf]  
A098301 6.04402 [  $\{a(n+3)-15a(n+2)+15a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 16\}$ , ogf]  
A098302 11.2604  $-(17-32x-13x^2+2x^3)/(x-1)/(x+1)/(x^2-15x+1)$  lgdogf  
A098302 4.81728 [  $\{a(n+3)-16a(n+2)+16a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 17\}$ , ogf]  
A098302 9.30797 [  $-x*(x+1)/(x-1)/(x^2-15x+1)$  ogf]  
A098303 10.5322  $-2*(9-17x+x^3-7x^2)/(x-1)/(x+1)/(x^2-16x+1)$  lgdogf

A098303 4.32438 [ $\{a(n+3)-17a(n+2)+17a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 18\}$ , ogf]  
A098303 8.35558 [ $-x*(x+1)/(x-1)/(x^2-16x+1)$  ogf]  
A098304 10.2704  $-(19-36x+2x^3-15x^2)/(x-1)/(x+1)/(x^2-17x+1)$  lgdogf  
A098304 4.39893 [ $\{a(n+3)-18a(n+2)+18a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 19\}$ , ogf]  
A098304 8.49963 [ $-x*(x+1)/(x-1)/(x^2-17x+1)$  ogf]  
A098305 10.2018 [ $-x*(x-1)/(x+1)/(x^2-7x+1)$  ogf]  
A098305 12.7193  $-(5+12x-9x^2+2x^3)/(x-1)/(x+1)/(x^2-7x+1)$  lgdogf  
A098305 5.23877 [ $\{a(n+3)-6a(n+2)-6a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$ , ogf]  
A098306 10.8428 [ $-x*(x-1)/(x+1)/(x^2-8x+1)$  ogf]  
A098306 13.8387  $-2*(3+7x+x^3-5x^2)/(x-1)/(x+1)/(x^2-8x+1)$  lgdogf  
A098306 5.56791 [ $\{a(n+3)-7a(n+2)-7a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A098307 10.1960 [ $-x*(x-1)/(x+1)/(x^2-9x+1)$  ogf]  
A098307 12.4388  $-(7+16x-11x^2+2x^3)/(x-1)/(x+1)/(x^2-9x+1)$  lgdogf  
A098307 5.23578 [ $\{a(n+3)-8a(n+2)-8a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 7\}$ , ogf]  
A098308 10.2485 [ $-x*(x-1)/(x+1)/(x^2-10x+1)$  ogf]  
A098308 12.7818  $-2*(4+9x-6x^2+x^3)/(x-1)/(x+1)/(x^2-10x+1)$  lgdogf  
A098308 5.26277 [ $\{a(n+3)-9a(n+2)-9a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 8\}$ , ogf]  
A098309 12.3329 [ $-x*(x-1)/(x+1)/(x^2-12x+1)$  ogf]  
A098309 12.3538  $-2*(5+11x-7x^2+x^3)/(x-1)/(x+1)/(x^2-12x+1)$  lgdogf  
A098309 6.38281 [ $\{a(n+3)-11a(n+2)-11a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 10\}$ , ogf]  
A098310 10.7185  $-(11+24x+2x^3-15x^2)/(x-1)/(x+1)/(x^2-13x+1)$  lgdogf  
A098310 4.58910 [ $\{a(n+3)-12a(n+2)-12a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 11\}$ , ogf]  
A098310 8.86707 [ $-x*(x-1)/(x+1)/(x^2-13x+1)$  ogf]  
A098325 7.33694 [ $x*(41x^8+16x^7+17x^6+140x^5-179x^4+36x^3-65x^2-x-9)/(x-1)$  ogf]  
A098329 32.1778  $-(1+31x)/(31x^2-1+2x)$  lgdogf  
A098329 5.13058 [ $\{(n+3)a(n+3)+(-5-2n)a(n+2)+(-62-31n)a(n+1), a(0) = 1, a(1) = 1, a(2) = 17\}$ , ogf]  
A098331 15.8123  $-(-x+(-2x-1)*(2x+1)^{(1/2)})/(-1+5x^2)*x$  revogf  
A098331 29.5622  $-(-1+5x)/(5x^2+1-2x)$  lgdogf  
A098331 4.25269 [ $\{(-n-3)a(n+3)+(5+2n)a(n+2)+(-10-5n)a(n+1), a(0) = 1, a(1) = 1, a(2) = -1\}$ , ogf]  
A098332 27.5458  $-(9x-1)/(9x^2+1-2x)$  lgdogf  
A098332 3.79752 [ $\{(-n-3)a(n+3)+(5+2n)a(n+2)+(-18-9n)a(n+1), a(0) = 1, a(1) = 1, a(2) = -3\}$ , ogf]  
A098333 23.1362  $-(-1+13x)/(13x^2+1-2x)$  lgdogf  
A098333 3.63803 [ $\{(-n-3)a(n+3)+(5+2n)a(n+2)+(-26-13n)a(n+1), a(0) = 1, a(1) = 1, a(2) = -5\}$ , ogf]  
A098334 22.5755  $-(-1+17x)/(17x^2+1-2x)$  lgdogf  
A098334 4.67280 [ $\{(-n-3)a(n+3)+(5+2n)a(n+2)+(-34-17n)a(n+1), a(0) = 1, a(1) = 1, a(2) = -7\}$ , ogf]  
A098335 24.1642  $-2*(4x-1)/(8x^2+1-4x)$  lgdogf  
A098335 3.64393 [ $\{(-n-3)a(n+3)+(10+4n)a(n+2)+(-16-8n)a(n+1), a(0) = 1, a(1) = 2, a(2) = 2\}$ , ogf]  
A098336 17.1674  $-(-2x+(1-8x^2)^{(1/2)})/(12x^2-1)*x$  revogf  
A098336 24.7210  $-2*(6x-1)/(12x^2+1-4x)$  lgdogf  
A098336 3.87536 [ $\{(-n-3)a(n+3)+(10+4n)a(n+2)+(-24-12n)a(n+1), a(0) = 1, a(1) = 2, a(2) = 0\}$ , ogf]  
A098337 21.1617  $-2*(10x-1)/(20x^2+1-4x)$  lgdogf  
A098337 3.43449 [ $\{(-n-3)a(n+3)+(10+4n)a(n+2)+(-40-20n)a(n+1), a(0) = 1, a(1) = 2, a(2) = -4\}$ , ogf]  
A098338 13.6453  $-(-3x+(-2x-1)*(2x+1)^{(1/2)})/(-1+13x^2)*x$  revogf  
A098338 25.1073  $-(-3+13x)/(13x^2+1-6x)$  lgdogf

A098338 3.97626 [ $\{(n+3)a(n+3)+(-15-6n)a(n+2)+(26+13n)a(n+1), a(0) = 1, a(1) = 3, a(2) = 7\}$ ], ogf]  
A098339 15.6775  $-(-3x+(1-8x^2)^{1/2})/(-1+17x^2)x$  revogf  
A098339 23.2026  $-(-3+17x)/(17x^2+1-6x)$  lgdogf  
A098339 3.62733 [ $\{(n+3)a(n+3)+(-15-6n)a(n+2)+(34+17n)a(n+1), a(0) = 1, a(1) = 3, a(2) = 5\}$ ], ogf]  
A098340 21.3995  $-3(-1+7x)/(21x^2+1-6x)$  lgdogf  
A098340 3.49510 [ $\{(-n-3)a(n+3)+(15+6n)a(n+2)+(-42-21n)a(n+1), a(0) = 1, a(1) = 3, a(2) = 3\}$ ], ogf]  
A098341 12.7301  $-(-3x+(-(4x-1)(4x+1))^{1/2})x/(5x-1)/(1+5x)$  revogf  
A098341 25.4602  $-(-3+25x)/(25x^2+1-6x)$  lgdogf  
A098341 4.03720 [ $\{(-n-3)a(n+3)+(15+6n)a(n+2)+(-50-25n)a(n+1), a(0) = 1, a(1) = 3, a(2) = 1\}$ ], ogf]  
A098347 10.1593 [ $-2x^2-2x-1)/(3x^3-3x^2-3x+1)$ ] ogf]  
A098347 5.48425 [ $\{a(n+3)-3a(n+2)-3a(n+1)+3a(n), a(0) = 1, a(1) = 5, a(2) = 16\}$ ], ogf]  
A098347 9.95094  $-(5+2x+3x^2-12x^3+6x^4)/(2x^2-2x-1)/(3x^3-3x^2-3x+1)$  lgdogf  
A098378 32.5976  $[-x^{18}+x^9+1$  ogf\_with\_Euler\_transform]  
A098378 5.24046 [ $-$   
 $(x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A098382 7.03904 [ $-$   
 $(4x^{32}-2x^{31}-2x^{29}+2x^{22}-2x^{21}+2x^{12}-2x^{11}+2x^7-2x^5-1)/(x+1)/(x-1)^2$  ogf]  
A098391 10.1027  $[-(x^{48}-x^{15}+x^{11}+x^8+x^7-x^3-1)/(-x^{48}-x^8+1)$  ogf\_with\_Euler\_transform]  
A098399 31.7690  $x(1+3x)/(1+6x)^2$  revogf  
A098399 5.80555 [ $\{(-12n-30)a(n+1)+(n+3)a(n+2), a(0) = 1, a(1) = 9\}$ ], ogf]  
A098400 27.2883  $x(4x+1)/(1+8x)^2$  revogf  
A098400 4.95150 [ $\{(-16n-40)a(n+1)+(n+3)a(n+2), a(0) = 1, a(1) = 12\}$ ], ogf]  
A098401 6.76356 [ $\{(-12n-6)a(n)+(n+1)a(n+1), a(0) = 1, a(1) = 3\}$ ], ogf]  
A098402 5.14067 [ $\{(-16n-8)a(n)+(n+1)a(n+1), a(0) = 1, a(1) = 4\}$ ], ogf]  
A098405 4.76788 [ $\{(-8n-28)a(n+1)+(9n+32)a(n+2)+(-n-4)a(n+3), a(0) = 1, a(1) = 7, a(2) = 47\}$ ], ogf]  
A098406 11.9004 [ $-19x-2)/(10x-1)/(x-1)$ ] ogf]  
A098406 13.0103  $-1/20(-3-11x+(9-14x+81x^2)^{1/2})/(x+2)$  revogf  
A098406 13.3201  $-(13-60x+200x^2)/(x-1)/(20x-3)/(10x-1)$  lgdogf  
A098406 6.80025 [ $\{a(n+2)-11a(n+1)+10a(n), a(0) = 2, a(1) = 3\}$ ], ogf]  
A098407 15.4324  $[-(x-1)/(4x^3-2x^2-2x+1)$  ogf\_with\_Euler\_transform]  
A098408 5.78939 [ $-(100x^8+20x^7+20x^6-90x^5-9x^4-19x^3-10x^2-2x-1)/(x-1)/(x^2+x+1)/(10x^3-1)$ ] ogf]  
A098409 19.8299  $-(-5x+(1+4x^2)^{1/2})/(-1+21x^2)x$  revogf  
A098409 28.2194  $-(-5+21x)/(7x-1)/(3x-1)$  lgdogf  
A098409 4.81450 [ $\{(-n-3)a(n+3)+(25+10n)a(n+2)+(-42-21n)a(n+1), a(0) = 1, a(1) = 5, a(2) = 27\}$ ], ogf]  
A098410 27.0301  $-2(-3+16x)/(8x-1)/(-1+4x)$  lgdogf  
A098410 5.13815 [ $\{(-n-3)a(n+3)+(30+12n)a(n+2)+(-64-32n)a(n+1), a(0) = 1, a(1) = 6, a(2) = 38\}$ ], ogf]  
A098411 26.5308  $-8(6x-1)/(12x-1)/(-1+4x)$  lgdogf  
A098411 4.87123 [ $\{(-n-3)a(n+3)+(40+16n)a(n+2)+(-96-48n)a(n+1), a(0) = 1, a(1) = 8, a(2) = 72\}$ ], ogf]  
A098430 20.1725  $(-8x+(64x^2+1)^{1/2})x$  revogf  
A098430 45.8465  $-8/(16x-1)$  lgdogf  
A098430 7.00888 [ $\{(-n-2)a(n+2)+(24+16n)a(n+1), a(0) = 1, a(1) = 8\}$ ], ogf]  
A098439 25.7516  $-(1+47x)/(47x^2-1+2x)$  lgdogf  
A098439 4.11906 [ $\{(n+3)a(n+3)+(-5-2n)a(n+2)+(-94-47n)a(n+1), a(0) = 1, a(1) = 1, a(2) = 25\}$ ], ogf]  
A098440 26.7664  $-(1+59x)/(59x^2-1+2x)$  lgdogf  
A098440 4.25047 [ $\{(n+3)a(n+3)+(-5-2n)a(n+2)+(-118-59n)a(n+1), a(0) = 1, a(1) = 1, a(2) = 31\}$ ], ogf]

A098441 23.3667  $-(1+63*x)/(7*x+1)/(9*x-1)$  lgdogf  
A098441 3.87110  $[{(n+3)*a(n+3)+(-5-2*n)*a(n+2)+(-126-63*n)*a(n+1), a(0) = 1, a(1) = 1, a(2) = 33}],$  ogf]  
A098442 23.3102  $-(1+95*x)/(95*x^2-1+2*x)$  lgdogf  
A098442 3.70923  $[{(n+3)*a(n+3)+(-5-2*n)*a(n+2)+(-190-95*n)*a(n+1), a(0) = 1, a(1) = 1, a(2) = 49}],$  ogf]  
A098443 26.1446  $-4*(x+1)/(4*x^2-1+8*x)$  lgdogf  
A098443 3.86291  $[{(n+3)*a(n+3)+(-20-8*n)*a(n+2)+(-8-4*n)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 26}],$  ogf]  
A098444 25.2441  $-(3+11*x)/(11*x^2-1+6*x)$  lgdogf  
A098444 4.01323  $[{(n+3)*a(n+3)+(-15-6*n)*a(n+2)+(-22-11*n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 19}],$  ogf]  
A098453 15.1380  $(-2*x+(16*x^2+1)^{(1/2)})/(1+12*x^2)*x$  revogf  
A098453 20.9603  $-2*(1+6*x)/(1+2*x)/(6*x-1)$  lgdogf  
A098453 3.61784  $[{(n+3)*a(n+3)+(-10-4*n)*a(n+2)+(-24-12*n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 12}],$  ogf]  
A098455 21.7767  $-2*(1+18*x)/(36*x^2-1+4*x)$  lgdogf  
A098455 3.75439  $[{(n+3)*a(n+3)+(-10-4*n)*a(n+2)+(-72-36*n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 24}],$  ogf]  
A098456 21.5171  $-2*(1+32*x)/(64*x^2-1+4*x)$  lgdogf  
A098456 3.68530  $[{(n+3)*a(n+3)+(-10-4*n)*a(n+2)+(-128-64*n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 38}],$  ogf]  
A098457 13.1027  $[-(x^6+x^5+x^3+x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A098457 9.53606  $-(1+5*x^4+x^12+2*x^11+4*x^9+6*x^7+7*x^6+6*x^5+3*x^2)/(x-1)/(x^6+x^5+x^3+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A098460 11.0306  $1/2*\sin(2^{(1/2)*x})*2^{(1/2)}+1/2*\cos(2^{(1/2)*x})-1/2$  revogf  
A098460 24.5681  $-(2*x+1)/(2*x^2-1+2*x)$  lgdegf  
A098460 3.88775  $[{(2*n^2+8*n+8)*a(n+1)+(2*n+5)*a(n+2)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 5}],$  ogf]  
A098461 11.3845  $1/3*\sin(3^{(1/2)*x})*3^{(1/2)}+1/3*\cos(3^{(1/2)*x})-1/3$  revogf  
A098461 25.3564  $-(3*x+1)/(x+1)/(3*x-1)$  lgdegf  
A098461 3.95419  $[{(3*n^2+12*n+12)*a(n+1)+(2*n+5)*a(n+2)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 6}],$  ogf]  
A098469 10.9457  $(8*x^3-2*x+(-(2*x-1)*(2*x+1))^{(1/2)})/(1-4*x^2+16*x^4)*x$  revogf  
A098470 3.36908  $[{(-3*n^2-45*n-168)*a(n+1)+(-2*n^2-31*n-120)*a(n+2)+(n^2+16*n+39)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 28}],$  ogf]  
A098477 18.2070  $-(1-7*x+12*x^2)/(x-1)/(8*x^2+x-1)$  lgdogf  
A098478 15.9335  $-(-1-11*x+18*x^2)/(x-1)/(3*x+1)/(-1+4*x)$  lgdogf  
A098478 3.23490  $[{(-n-4)*a(n+4)+(7+2*n)*a(n+3)+(33+11*n)*a(n+2)+(-30-12*n)*a(n+1), a(0) = 1, a(1) = 1, a(2) = 7, a(3) = 13}],$  ogf]  
A098479 22.5832  $-(1-x+6*x^2)/(-x^2-1+2*x+4*x^3)$  lgdogf  
A098479 3.62407  $[{(-n-4)*a(n+4)+(7+2*n)*a(n+3)+(-3-n)*a(n+2)+(10+4*n)*a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3}],$  ogf]  
A098480 20.5195  $-(1-x+12*x^2)/(-x^2-1+2*x+8*x^3)$  lgdogf  
A098480 3.40149  $[{(-n-4)*a(n+4)+(7+2*n)*a(n+3)+(-3-n)*a(n+2)+(20+8*n)*a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5}],$  ogf]  
A098481 19.8922  $-(1-x+18*x^2)/(3*x-1)/(4*x^2+x+1)$  lgdogf  
A098481 3.38269  $[{(-n-4)*a(n+4)+(7+2*n)*a(n+3)+(-3-n)*a(n+2)+(30+12*n)*a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 7}],$  ogf]  
A098482 11.9697  $-a(n+4)+2*a(n+3)-a(n+2)+4*a(n), a(0)=1, a(1)=1, a(2)=1, a(3)=9$  lgdogf  
A098483 11.0790  $-a(n+4)+2*a(n+3)-a(n+2)+8*a(n), a(0)=1, a(1)=1, a(2)=1, a(3)=17$  lgdogf  
A098484 10.9666  $-a(n+4)+2*a(n+3)-a(n+2)+12*a(n), a(0)=1, a(1)=1, a(2)=1, a(3)=25$  lgdogf  
A098498 8.74722  $[-(2*x^6-x^5-6*x^4+5*x^3+11*x^2+2*x+1)/(x-1)^3$  ogf]  
A098498 9.72304  $(-5-26*x-26*x^2+24*x^3-x^4-14*x^5+6*x^6)/(x-1)/(2*x^6-x^5-6*x^4+5*x^3+11*x^2+2*x+1)$  lgdogf  
A098499 7.20546  $(-5-36*x-8*x^7-74*x^2-68*x^3+19*x^4+22*x^5-27*x^6+9*x^8)/(x-1)/(x+1)/(3*x^7-x^6-8*x^5+4*x^4+13*x^3+13*x^2+3*x+1)$  lgdogf  
A098499 7.98290  $[-(3*x^7-x^6-8*x^5+4*x^4+13*x^3+13*x^2+3*x+1)/(x+1)/(x-1)^3$

ogf]

A098500 9.21440 [  $-(2*x^6-2*x^5-4*x^4+4*x^3+6*x^2+1)/(x-1)^3$  ogf]

A098500 9.81319  $(-3-12*x-18*x^2+16*x^3+6*x^4-16*x^5+6*x^6)/(x-1)/(2*x^6-2*x^5-4*x^4+4*x^3+6*x^2+1)$  lgdogf

A098501 7.01199  $(-2-6*x-34*x^7+8*x^9+2*x^8-5*x^6+52*x^5+4*x^4-44*x^3-17*x^2)/(x-1)/(x+1)/(2*x^8+2*x^7-7*x^6-5*x^5+8*x^4+5*x^3+x^2+1)$  lgdogf

A098501 7.89484 [  $-(2*x^8+2*x^7-7*x^6-5*x^5+8*x^4+5*x^3+x^2+1)/(x+1)/(x-1)^3$  ogf]

A098502 18.0389 [  $4*(x+3)/(x-1)^2$  ogf]

A098502 27.1303  $(-(-6-x+2*(9+4*x)^(1/2)))/(-4+x)$  revogf

A098502 45.2172  $-(7+x)/(x+3)/(x-1)$  lgdogf

A098502 9.87846 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 12, a(1) = 28\}$ , ogf]

A098518 4.83217 [  $\{(-7*n^2-35*n-42)*a(n+1)+(-2*n^2-11*n-15)*a(n+2)+(n^2+6*n+8)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]

A098519 4.49938 [  $\{(11*n^2+55*n+66)*a(n+1)+(2*n^2+11*n+15)*a(n+2)+(-n^2-6*n-8)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]

A098520 4.77712 [  $\{(15*n^2+75*n+90)*a(n+1)+(2*n^2+11*n+15)*a(n+2)+(-n^2-6*n-8)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]

A098521 4.74483 [  $\{(7*n^2+35*n+42)*a(n+1)+(2*n^2+11*n+15)*a(n+2)+(-n^2-6*n-5)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]

A098522 4.72532 [  $\{(11*n^2+55*n+66)*a(n+1)+(2*n^2+11*n+15)*a(n+2)+(-n^2-6*n-5)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]

A098523 13.6129  $-(1+2*x+3*x^6-x^2+5*x^4)/(1+x^2)/(x^2-x+1)/(x^3+x^2-1)$  lgdogf

A098523 15.3146 [  $-(x^2+1)/(x^2-x+1)/(x^3+x^2-1)$  ogf]

A098524 15.0206  $-(1+4*x+24*x^6+20*x^4-2*x^2)/(2*x^2+1)/(4*x^5+x-1)$  lgdogf

A098524 15.6262 [  $-(2*x^2+1)/(4*x^5+x-1)$  ogf]

A098525 14.2925  $-(1+6*x+81*x^6+45*x^4-3*x^2)/(3*x^2+1)/(9*x^5+x-1)$  lgdogf

A098525 14.8744 [  $-(3*x^2+1)/(9*x^5+x-1)$  ogf]

A098526 14.4756 [  $-(4*x^2+1)/(2*x-1)/(8*x^4+4*x^3+2*x^2+x+1)$  ogf]

A098526 9.99706  $-(1+8*x+192*x^6+80*x^4-4*x^2)/(2*x-1)/(4*x^2+1)/(8*x^4+4*x^3+2*x^2+x+1)$  lgdogf

A098527 15.2194  $-(1+3*x^2-2*x^3+4*x^9+7*x^6)/(x+1)/(x^2-x+1)/(x^7+x-1)$  lgdogf

A098527 17.0966 [  $-(x+1)*(x^2-x+1)/(x^7+x-1)$  ogf]

A098528 15.0640  $-(1+6*x^2-4*x^3+32*x^9+28*x^6)/(2*x^3+1)/(4*x^7+x-1)$  lgdogf

A098528 16.2952 [  $-(2*x^3+1)/(4*x^7+x-1)$  ogf]

A098531 5.62852 [  $x*(x^4+7*x^3-16*x^2-7*x+1)/(x-1)/(x^2+x-1)/(x^2+11*x-1)/(x^2-4*x-1)$  ogf]

A098532 4.26674 [  $x*(x^4-11*x^3-64*x^2-11*x+1)/(x+1)/(x^2+7*x+1)/(x^2-3*x+1)/(x^2-18*x+1)$  ogf]

A098535 21.3786  $-3*x^3*(4+3*x)/(x+1)/(9*x^4-x-1)$  lgdogf

A098536 15.5310  $-(1-2*x+12*x^3+x^2)/(-3*x^2-1+3*x+9*x^4+x^3)$  lgdogf

A098537 19.9796  $-6*x^3*(4+3*x)/(x+1)/(18*x^4-x-1)$  lgdogf

A098538 14.5168  $-(1-2*x+x^2+24*x^3)/(-3*x^2-1+3*x+18*x^4+x^3)$  lgdogf

A098547 10.1279 [  $-(x^3-7*x^2+x-1)/(x-1)^4$  ogf]

A098547 17.7906  $(-(-3-11*x+x^3-11*x^2))/(x-1)/(x^3-7*x^2+x-1)$  lgdogf

A098547 4.06172 [  $\{(201*n^2+1093*n+1382)*a(n+1)+(-230*n^2-640*n-114)*a(n+2)+(29*n^2+63*n-72)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 13\}$ , ogf]

A098548 7.19090 [  $(4*x^10+4*x^8+x^7+11*x^6+x^5+5*x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]

A098554 14.7795 [  $-x*(x-1)*(x+1)/(x^2+x+1)/(x^2+1)$  ogf]

A098554 19.4947  $(-(-1-6*x+2*x^5-4*x^2-4*x^3+x^4))/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf

A098554 29.0520 [  $x^3+x^2-2*x-1$  ogf\_with\_Euler\_transform]

A098557 3.39131 [  $\{(n^3-n)*a(n)+(n^3+4*n^2+5*n)*a(n+1)+2*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]

A098558 20.5078 [  $-(x+1)/(x-1)$  egf]

A098558 41.9709  $-2/(x-1)/(x+1)$  lgdegf

A098558 5.34358 [  $\{(n^2+n)*a(n)+(n^2+3*n+4)*a(n+1)+(-n-2)*a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]

A098559 14.4724 [  $-(3*x+1)/(3*x-1)$  egf]

A098559 27.5865  $-6/(-1+3*x)/(3*x+1)$  lgdegf

A098559 3.74459 [  $\{(9^n+9^n)*a(n)+(3^{n^2+9^n+12})*a(n+1)+(-n-2)*a(n+2), a(0) = 1, a(1) = 6\}$ , ogf]  
A098560 15.6975 [  $-(4*x+1)/(4*x-1)$  egf]  
A098560 29.9724  $-8/(-1+4*x)/(4*x+1)$  lgdegf  
A098560 3.97814 [  $\{(16^n+16^n)*a(n)+(4^{n^2+12*n+16})*a(n+1)+(-n-2)*a(n+2), a(0) = 1, a(1) = 8\}$ , ogf]  
A098574 15.0978 [  $(x-1)/(x^7-x^2+2*x-1)$  ogf]  
A098574 16.6994  $-(-1+2*x+6*x^7-7*x^6-x^2)/(x-1)/(x^7-x^2+2*x-1)$  lgdogf  
A098575 13.7256 [  $(x-1)/(2*x^4-x^2+2*x-1)$  ogf]  
A098575 14.5535  $-(-1+2*x+6*x^4-8*x^3-x^2)/(x-1)/(2*x^4-x^2+2*x-1)$  lgdogf  
A098576 14.0202 [  $(x-1)/(3*x^4-x^2+2*x-1)$  ogf]  
A098576 14.5769  $-(-1+2*x+9*x^4-12*x^3-x^2)/(x-1)/(3*x^4-x^2+2*x-1)$  lgdogf  
A098577 14.3777 [  $(x-1)/(2*x^5-x^2+2*x-1)$  ogf]  
A098577 14.9473  $-(-1+2*x+8*x^5-10*x^4-x^2)/(x-1)/(2*x^5-x^2+2*x-1)$  lgdogf  
A098578 15.9863 [  $x/(x-1)/(x^4+x-1)$  ogf]  
A098578 20.8642  $-(-2+2*x+5*x^4-4*x^3)/(x-1)/(x^4+x-1)$  lgdogf  
A098579 5.41573 [  $\{(n+2)*a(n+2)+(-4-8^n)*a(n+1), a(0) = 1, a(1) = -4\}$ , ogf]  
A098579 61.1949  $4/(-1+8*x)$  lgdogf  
A098580 12.4036  $4*(4*x+(1-8*x)^{(1/2)})/(16*x^2+8*x-1)*(-1+4*x)/(-1+8*x)$  lgdogf  
A098580 4.03300 [  $\{(-32^n+16^n)*a(n)+(12^{n^2+20*n+8})*a(n+1)+(-n^2-3*n-2)*a(n+2), a(0) = 1, a(1) = -4\}$ , ogf]  
A098581 13.2744 [  $-(4*x^2+2*x+1)/(2*x-1)/(4*x^3+2*x^2+x+1)$  ogf]  
A098581 9.19576  $-(3+8*x+64*x^5+48*x^4+32*x^3-4*x^2)/(2*x-1)/(4*x^2+2*x+1)/(4*x^3+2*x^2+x+1)$  lgdogf  
A098582 11.4593 [  $-(2*x+1)*(4*x^2+1)/(2*x-1)/(8*x^4+4*x^3+2*x^2+x+1)$  ogf]  
A098582 6.76324  $-(3+8*x+256*x^7+192*x^6+128*x^5+80*x^4-16*x^3+20*x^2)/(2*x+1)/(2*x-1)/(4*x^2+1)/(8*x^4+4*x^3+2*x^2+x+1)$  lgdogf  
A098583 10.0067 [  $-(16*x^4+8*x^3+4*x^2+2*x+1)/(2*x-1)/(16*x^5+8*x^4+4*x^3+2*x^2+x+1)$  ogf]  
A098586 14.5032 [  $-(x-2)/(x-1)/(x^2+2*x-1)$  ogf]  
A098586 14.5136  $-(5-4*x+2*x^3-5*x^2)/(x-1)/(-2+x)/(x^2+2*x-1)$  lgdogf  
A098586 6.80240 [  $\{-a(n+3)+3*a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 5, a(2) = 13\}$ , ogf]  
A098588 20.2918 [  $-1/(x^5+2*x-1)$  ogf]  
A098588 28.5170  $-(2+5*x^4)/(-1+2*x+x^5)$  lgdogf  
A098589 18.7280 [  $-1/(2*x^3+3*x-1)$  ogf]  
A098589 22.4129  $-3*(1+2*x^2)/(-1+3*x+2*x^3)$  lgdogf  
A098589 6.57473 [  $\{-a(n+3)+3*a(n+2)+2*a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A098590 11.7299  $-a(n+4)+4*a(n+3)+a(n), a(0)=4, a(1)=16, a(2)=64, a(3)=260$  lgdogf  
A098590 19.9350 [  $-1/(x^4+4*x-1)$  ogf]  
A098600 15.4412 [  $-(2*x+1)/(x+1)/(x^2+x-1)$  ogf]  
A098600 16.8652  $-(2+4*x+4*x^3+7*x^2)/(2*x+1)/(x+1)/(x^2+x-1)$  lgdogf  
A098600 8.04914 [  $\{-a(n+3)+2*a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 2\}$ , ogf]  
A098601 12.8194 [  $-(2*x+1)/(x+1)/(x^3+x^2-1)$  ogf]  
A098601 14.6083  $-(1+2*x+6*x^4+12*x^3+8*x^2)/(2*x+1)/(x+1)/(x^3+x^2-1)$  lgdogf  
A098602 13.5168 [  $-12*x/(x-1)/(x^2-34*x+1)$  ogf]  
A098602 5.59315 [  $\{a(n+3)-35*a(n+2)+35*a(n+1)-a(n), a(0) = 0, a(1) = 12, a(2) = 420\}$ , ogf]  
A098603 14.1582 [  $x*(9*x-11)/(x-1)^3$  ogf]  
A098603 31.1346  $-6*(-4+3*x)/(x-1)/(9*x-11)$  lgdogf  
A098603 7.26703 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 11, a(2) = 24\}$ , ogf]  
A098608 17.1783 [  $-1/(100*x-1)$  ogf]  
A098608 22.6565  $1/100*\ln(1+100*x)$  revogf  
A098608 27.5115  $-100/(100*x-1)$  lgdogf  
A098608 7.31669 [  $\{a(n+1)-100*a(n), a(0) = 1\}$ , ogf]  
A098609 14.9475  $-(-101+200*x)/(100*x-1)/(x-1)$  lgdogf  
A098609 17.0976 [  $99*x/(100*x-1)/(x-1)$  ogf]  
A098609 7.10617  $-1/200*(-101*x-99+3*(11*x+9)^{(1/2)}*(9*x+11)^{(1/2)}*11^{(1/2)})/x$  revogf  
A098609 8.35001 [  $\{a(n+2)-101*a(n+1)+100*a(n), a(0) = 0, a(1) = 99\}$ , ogf]

A098610 12.9344  $-(9-40*x+90*x^2)/(9*x-2)/(10*x-1)/(x+1)$  lgdogf  
A098610 16.2154  $[(9*x-2)/(x+1)/(10*x-1)$  ogf]  
A098610 8.98683  $[{-a(n+2)+9*a(n+1)+10*a(n), a(0) = 2, a(1) = 9}]$ , ogf]  
A098611 10.8389  $1/20*(-9*x-11+(11*x^2+18*x+11)^(1/2)*11^(1/2))/x$  revogf  
A098611 17.1294  $[-11*x/(x+1)/(10*x-1)$  ogf]  
A098611 20.8107  $-(9+20*x)/(1+x)/(-1+10*x)$  lgdogf  
A098611 8.04877  $[{-a(n+2)+9*a(n+1)+10*a(n), a(0) = 0, a(1) = 11}]$ , ogf]  
A098613 15.5139  $[-(x+1)/(x^3-x^2+x-1)$  ogf\_with\_Euler\_transform]  
A098614 12.1116  $-1-4*x+(1-4*x-16*x^2)*f(x)+(-4*x^2-16*x^3+x)*f(x)^2$  lgdogf  
A098614 19.9255  $(-x+(-(2*x-1)*(2*x+1))^(1/2))*x$  revogf  
A098614 3.50129  $[{(-16*n^2-64*n-60)*a(n+1)+(-4*n^2-22*n-30)*a(n+2)+(n^2+7*n+12)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 4}]$ , ogf]  
A098615 10.8470  $(5*x-20*x^3+(-(2*x-1)*(2*x+1))^(1/2))/(2*x-1)/(2*x+1)/(5*x^2-1)$  lgdogf  
A098615 29.7115  $1/(1+2*x+5*x^2)^(1/2)*x$  revogf  
A098616 12.0587  $-2-4*x+(1-8*x-16*x^2)*f(x)+(-8*x^2-16*x^3+x)*f(x)^2$  lgdogf  
A098616 18.6362  $(-2*x+(-(2*x-1)*(2*x+1))^(1/2))*x$  revogf  
A098616 3.46503  $[{(16*n^2+64*n+60)*a(n+1)+(8*n^2+44*n+60)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 10}]$ , ogf]  
A098617 27.9430  $1/(1+4*x+8*x^2)^(1/2)*x$  revogf  
A098617 9.59237  $2*(-16*x^3+4*x+(-(2*x-1)*(2*x+1))^(1/2))/(2*x-1)/(2*x+1)/(-1+8*x^2)$  lgdogf  
A098618 21.0756  $(-3*x+(1-8*x^2)^(1/2))*x$  revogf  
A098618 9.54367  $-3-8*x+(1-12*x-32*x^2)*f(x)+(-12*x^2-32*x^3+x)*f(x)^2$  lgdogf  
A098619 15.4416  $(17*x-136*x^3+3*(1-8*x^2)^(1/2))/(-1+8*x^2)/(17*x^2-1)$  lgdogf  
A098619 34.7436  $1/(1+6*x+17*x^2)^(1/2)*x$  revogf  
A098646 11.2637  $[{-a(n+2)+4*a(n), a(0) = 3, a(1) = 2}]$ , ogf]  
A098646 12.1898  $-1/2*\operatorname{arcsinh}(1/4*2^(1/2))+1/2*\operatorname{arcsinh}(1/4*2^(1/2)*(2*x+1))$  revogf  
A098646 17.2442  $-2*(1+12*x+4*x^2)/(2*x+3)/(2*x+1)/(2*x-1)$  lgdogf  
A098646 17.5823  $[-(2*x+3)/(2*x-1)/(2*x+1)$  ogf]  
A098647 10.4550  $[-(12*x-1)/(64*x^2-24*x+1)$  ogf]  
A098647 11.1534  $-4*(3-32*x+192*x^2)/(12*x-1)/(64*x^2-24*x+1)$  lgdogf  
A098647 5.90399  $[{a(n+2)-24*a(n+1)+64*a(n), a(0) = 1, a(1) = 12}]$ , ogf]  
A098648 13.5319  $[-(3*x-1)/(4*x^2-6*x+1)$  ogf]  
A098648 16.1235  $-(3-8*x+12*x^2)/(3*x-1)/(4*x^2-6*x+1)$  lgdogf  
A098648 7.42604  $[{a(n+2)-6*a(n+1)+4*a(n), a(0) = 1, a(1) = 3}]$ , ogf]  
A098655 10.6280  $-2*(1+16*x-80*x^2+64*x^3+64*x^4)/(2*x-1)/(8*x^2-1)/(8*x^2+4*x-3)$  lgdogf  
A098655 11.1881  $[-(8*x^2+4*x-3)/(2*x-1)/(8*x^2-1)$  ogf]  
A098655 6.08477  $[{-a(n+3)+2*a(n+2)+8*a(n+1)-16*a(n), a(0) = 3, a(1) = 2, a(2) = 20}]$ , ogf]  
A098656 13.6837  $[-x*(4*x-1)/(2*x-1)/(8*x^2-1)$  ogf]  
A098656 16.0624  $-2*(-1+8*x-40*x^2+64*x^3)/(2*x-1)/(-1+4*x)/(8*x^2-1)$  lgdogf  
A098656 7.08620  $[{-a(n+3)+2*a(n+2)+8*a(n+1)-16*a(n), a(0) = 0, a(1) = 1, a(2) = -2}]$ , ogf]  
A098657 11.1910  $[-(4*x^2+x-1)/(2*x-1)/(8*x^2-1)$  ogf]  
A098657 11.5295  $-(1+8*x+64*x^4+32*x^3-48*x^2)/(2*x-1)/(8*x^2-1)/(4*x^2+x-1)$  lgdogf  
A098657 6.14022  $[{-a(n+3)+2*a(n+2)+8*a(n+1)-16*a(n), a(0) = 1, a(1) = 1, a(2) = 6}]$ , ogf]  
A098658 20.6950  $(-6*x+(36*x^2+1)^(1/2))*x$  revogf  
A098658 4.98998  $[{(-n-2)*a(n+2)+(18+12*n)*a(n+1), a(0) = 1, a(1) = 6}]$ , ogf]  
A098658 43.1147  $-6/(-1+12*x)$  lgdogf  
A098659 25.3485  $-(7+25*x)/(25*x^2+1-14*x)$  lgdogf  
A098659 4.32932  $[{(-n-3)*a(n+3)+(35+14*n)*a(n+2)+(-50-25*n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 61}]$ , ogf]  
A098660 11.7536  $1/2/(3+8*x+16*x^2)*(-1+((1+4*x+8*x^2)*(4*x+1)^2)^(1/2))$  revogf  
A098662 11.5514  $1/8*(-1+((12*x^2+4*x+1)*(1+6*x)^2)^(1/2))/(1+3*x+9*x^2)$  revogf  
A098663 9.19069  $-1/8*((12*x^2+4*x+1)^(1/2)+6*(12*x^2+4*x+1)^(1/2)*x-1-8*x-24*x^2)/x/(1+3*x)$  revogf

A098664 11.2943  $1/2/(5+16*x+64*x^2)*(-1+((16*x^2+4*x+1)*(1+8*x)^2)^{(1/2)})$  revogf  
A098665 9.67455  $-1/18*((16*x^2+4*x+1)^{(1/2)}+8*(16*x^2+4*x+1)^{(1/2)*x-1-10*x-40*x^2}/x/(4*x+1)$  revogf  
A098670 11.1873  $2*(3-2*x+394*x^6-867*x^5+447*x^4+26*x^3)/(x-1)/(197*x^6-184*x^5-13*x^4+4*x-5)$  lgdogf  
A098670 11.8585  $[-(197*x^6-184*x^5-13*x^4+4*x-5)/(x-1)^2$  ogf]  
A098703 12.1011  $[-x*(2*x-1)/(3*x-1)/(x^2+x-1)$  ogf]  
A098703 14.4632  $-(2-4*x+12*x^3-5*x^2)/(3*x-1)/(2*x-1)/(x^2+x-1)$  lgdogf  
A098703 6.21410  $[{a(n+3)-4*a(n+2)+2*a(n+1)+3*a(n), a(0) = 0, a(1) = 1, a(2) = 2},$  ogf]  
A098704 10.3671  $-1/32*(-17*x-2+(25*x+2)^{(1/2)}*(9*x+2)^{(1/2)})/x$  revogf  
A098704 13.9422  $[2/(16*x-1)/(x-1)$  ogf]  
A098704 17.6624  $-(-17+32*x)/(-1+16*x)/(x-1)$  lgdogf  
A098704 5.74089  $[{-a(n+2)+17*a(n+1)-16*a(n), a(0) = 2, a(1) = 34},$  ogf]  
A098706 4.86688  $[{-a(n+4)+35*a(n+3)-35*a(n+2)+a(n+1), a(0) = 0, a(1) = 2, a(2) = 10, a(3) = 290},$  ogf]  
A098706 8.89805  $-(5-60*x+5*x^4-60*x^3+878*x^2)/(x-1)/(x^2-34*x+1)/(5*x^2-30*x+1)$  lgdogf  
A098706 9.59268  $[-2*x*(5*x^2-30*x+1)/(x-1)/(x^2-34*x+1)$  ogf]  
A098713 13.9848  $[(24*x^2-14*x-1)/(x-1)/(4*x-1)^2$  ogf]  
A098713 16.9052  $-(23-4*x+96*x^3-88*x^2)/(x-1)/(4*x-1)/(24*x^2-14*x-1)$  lgdogf  
A098713 7.76932  $[{-a(n+3)+9*a(n+2)-24*a(n+1)+16*a(n), a(0) = 1, a(1) = 23, a(2) = 159},$  ogf]  
A098730 7.38755  $-(1+3*x+36*x^4-7*x^3+6*x^6+30*x^5-21*x^2)/(-1+3*x)/(x+1)/(x^2+2*x-1)/(x^3+3*x^2+2*x-1)$  lgdogf  
A098748 11.2569  $(1+10*x-17*x^4+28*x^3+4*x^5-20*x^2)/(x-1)/(2*x^5-7*x^4+9*x^3-7*x^2+2*x-1)$  lgdogf  
A098748 9.85271  $[(2*x^5-7*x^4+9*x^3-7*x^2+2*x-1)/(x-1)^3$  ogf]  
A098749 11.9111  $(-1+2*x+2*x^5+12*x^3-8*x^4-13*x^2)/(x-1)/(x^5-3*x^4+4*x^3+x^2-2*x+1)$  lgdogf  
A098749 9.71393  $[-(x^5-3*x^4+4*x^3+x^2-2*x+1)/(x-1)^3$  ogf]  
A098752 7.15118  $[-(2*x^2+x+1)*(10*x^4+10*x^3-10*x-1)/(x-1)/(x^2+x+1)/(10*x^3-1)$  ogf]  
A098760 11.4410  $[-x*(90*x^20-90*x^19+9*x-10)/(x+1)/(x-1)^2$  ogf]  
A098760 9.56333  $(1+21*x-1710*x^19+1710*x^18-18*x^2-1530*x^20+1530*x^21)/(x-1)/(x+1)/(90*x^20-90*x^19+9*x-10)$  lgdogf  
A098790 11.2059  $[(x^2-x+1)/(x-1)/(x^2+2*x-1)$  ogf]  
A098790 13.6754  $-(-2+x^4-2*x^3+5*x^2)/(x-1)/(x^2-x+1)/(x^2+2*x-1)$  lgdogf  
A098790 6.10323  $[{-a(n+3)+3*a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 6},$  ogf]  
A098808 12.1010  $-1/4*(-2037-3*x+(4149369+4118*x+x^2)^{(1/2)})/(1013+x)$  revogf  
A098808 12.3383  $-(4085-8148*x+4052*x^2)/(x-1)/(2026*x-2037)/(2*x-1)$  lgdogf  
A098808 12.5876  $[-(2026*x-2037)/(x-1)/(2*x-1)$  ogf]  
A098808 7.29507  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 2037, a(1) = 4085},$  ogf]  
A098809 12.2239  $-(16777193-33554340*x+16777124*x^2)/(8388562*x-8388585)/(x-1)/(2*x-1)$  lgdogf  
A098809 15.0174  $[-(8388562*x-8388585)/(x-1)/(2*x-1)$  ogf]  
A098809 9.01041  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 8388585, a(1) = 16777193},$  ogf]  
A098820 10.2631  $[-(8*x^9+4*x^5+2*x^3+x^2+1)/(x-1)$  ogf]  
A098821 10.6355  $[-(17*x^2-16*x+4)/(x-1)/(2*x-1)^2$  ogf]  
A098821 11.9351  $-(-4+22*x-47*x^2+34*x^3)/(x-1)/(-1+2*x)/(17*x^2-16*x+4)$  lgdogf  
A098821 5.98246  $[{a(n+3)-5*a(n+2)+8*a(n+1)-4*a(n), a(0) = 4, a(1) = 4, a(2) = 5},$  ogf]  
A098847 13.6476  $[x*(11*x-13)/(x-1)^3$  ogf]  
A098847 27.3654  $-2*(-14+11*x)/(x-1)/(11*x-13)$  lgdogf  
A098847 7.12575  $[{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 0, a(1) = 13, a(2) = 28},$  ogf]  
A098848 13.7132  $[x*(13*x-15)/(x-1)^3$  ogf]  
A098848 27.4989  $-2*(-16+13*x)/(x-1)/(13*x-15)$  lgdogf  
A098848 7.16001  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 15, a(2) =$



32}], ogf]  
A098849 13.8445 [  $x^{15}(x-1)^{-3}$  ogf]  
A098849 29.8226  $-6(-6+5x)/(x-1)/(15x-17)$  lgdogf  
A098849 7.22852 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 17, a(2) = 36\}$ , ogf]  
A098850 13.9101 [  $x^{17}(x-1)^{-3}$  ogf]  
A098850 27.8993  $-2(-20+17x)/(x-1)/(17x-19)$  lgdogf  
A098850 7.26278 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 19, a(2) = 40\}$ , ogf]  
A098878 6.29501 [  $(136x^3-100x^2+29x-2)/(x-1)/(8x-1)/(2x-1)/(4x-1)$  ogf]  
A098879 4.52149 [  $(66560x^5-57728x^4+22640x^3-2300x^2+125x-2)/(x-1)/(4x-1)/(2x-1)/(8x-1)/(16x-1)/(32x-1)$  ogf]  
A098884 12.1625 [ $-(x^{10}-x^9+x^6+x^4-x+1)/(x^{12}-1)$  ogf\_with\_Euler\_transform]  
A098890 10.1818 [  $-(x^2-22x+1)/(x-1)/(x^2-34x+1)$  ogf]  
A098890 5.56956 [ $\{-a(n+3)+35a(n+2)-35a(n+1)+a(n), a(0) = 1, a(1) = 13, a(2) = 421\}$ , ogf]  
A098894 7.65446 [  $(x^2+1)(x+1)/(x-1)/(x^4+2x^2-1)$  ogf]  
A098894 8.96349  $-2(-1-3x+x^6+x^5+x^3+x^7+3x^4+x^2)/(x-1)/(x+1)/(1+x^2)/(x^4+2x^2-1)$  lgdogf  
A098916 25.5798  $-3(3+x)/(x+2)/(x-1)$  lgdegf  
A098916 4.68709 [ $\{(-n^2-6n-9)a(n+1)+(n+1)a(n+2), a(0) = 0, a(1) = 4\}$ , ogf]  
A098916 8.00411 [  $2x^2(x+2)/(x-1)^4$  egf]  
A098921 10.0720  $-2(31+87x+81x^2+18x^3+2x^4+x^5)/(x-1)/(x+1)/(x^4+8x^2+26x+9)$  lgdogf  
A098921 7.61462 [  $-x(x^4+8x^2+26x+9)/(x+1)/(x-1)^5$  ogf]  
A098923 12.7839 [  $-x(30x+1)/(x-1)^3$  ogf]  
A098923 27.0518  $-3(11+20x)/(30x+1)/(x-1)$  lgdogf  
A098923 6.62022 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 33\}$ , ogf]  
A098924 13.4052 [  $-(42x+1)/(x-1)^3$  ogf]  
A098924 26.2715  $-3(15+28x)/(42x+1)/(x-1)$  lgdogf  
A098924 6.29461 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 45, a(2) = 132\}$ , ogf]  
A098931 10.0127 [  $-(x^3-5x^2-3x-1)/(x-1)^4$  ogf]  
A098931 17.1868  $-(-7-19x+x^3-7x^2)/(x-1)/(x^3-5x^2-3x-1)$  lgdogf  
A098931 4.19009 [ $\{(19n^2+110n+144)a(n+1)+(-14n^2-6n+93)a(n+2)+(-5n^2-32n-51)a(n+3), a(0) = 1, a(1) = 7, a(2) = 27\}$ , ogf]  
A098938 3.51709 [  $-x(30x+1)/(x-1)^3$  ogf]  
A098938 6.98184  $-3(11+20x)/(30x+1)/(-1+x)$  lgdogf  
A098944 5.19469 [  $(100x^{23}+10x^{12}+x^{11}+x^{10}+x^9+2x^8+2x^7+2x^6+3x^5+20x^4+20x^3+20x^2+10x+8)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A098949 5.77426 [  $(101x^{11}+x^{10}+2x^9+2x^8+2x^7+2x^6+x^5+20x^4+20x^3+20x^2+20x+9)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A098955 10.7033 [  $-(x^{11}-x^{10}+x^2-10x-1)/(x-1)^2$  ogf]  
A098955 12.7951  $(12+8x+10x^9+9x^{11}-19x^{10})/(x-1)/(x^{11}-x^{10}+x^2-10x-1)$  lgdogf  
A098992 14.1259  $-(11+11x-24x^2+10x^3)/(x-1)/(2x^3-5x^2+3x+1)$  lgdogf  
A098992 4.02698 [ $\{(-727n^2-8319n-21644)a(n+1)+(1418n^2+8520n-2618)a(n+2)+(-691n^2-453n+238)a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A098992 6.46957 [  $x^2(2x^3-5x^2+3x+1)/(x-1)^8$  ogf]  
A098994 4.02367 [  $x^3(3x^6-14x^5+23x^4-6x^3-17x^2+14x+1)/(x-1)^{12}$  ogf]  
A098994 7.96026  $-2(13+60x+9x^6-40x^5+57x^4+19x^3-94x^2)/(x-1)/(3x^6-14x^5+23x^4-6x^3-17x^2+14x+1)$  lgdogf  
A099003 14.7868 [  $(13x+1)/(x-1)/(2x-1)$  ogf]  
A099003 15.8744  $-1/2(-1-3x+(1+58x+x^2)^{1/2})/(-13+2x)$  revogf  
A099003 16.2616  $-2(-8+2x+13x^2)/(x-1)/(13x+1)/(2x-1)$  lgdogf  
A099003 8.19512 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 1, a(1) = 16\}$ , ogf]  
A099012 16.3554 [  $-x/(9x^2+3x-1)$  ogf]  
A099012 16.5484  $1/18x(-1-3x+(1+6x+45x^2)^{1/2})$  revogf

A099012 24.8226  $-3*(1+6*x)/(9*x^2-1+3*x)$  lgdogf  
A099012 7.47099  $[{-a(n+2)+3*a(n+1)+9*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A099013 13.5871  $[x/(x-1)/(9*x^2+3*x-1)$  ogf]  
A099013 16.7226  $-(9*x+2)*(3*x-2)/(x-1)/(9*x^2+3*x-1)$  lgdogf  
A099013 5.50830  $[{-a(n+3)+4*a(n+2)+6*a(n+1)-9*a(n), a(0) = 0, a(1) = 1, a(2) = 4}]$ , ogf]  
A099014 8.61992  $[ -x*(x^2-2*x-1)/(x^2+4*x-1)/(x^2-x-1)$  ogf]  
A099014 9.11353  $-(5+10*x-3*x^4-16*x^3+2*x^5+6*x^2)/(x^2+4*x-1)/(x^2-2*x-1)/(x^2-x-1)$  lgdogf  
A099015 8.58852  $[ -(4*x^2+x-1)/(x^2+4*x-1)/(x^2-x-1)$  ogf]  
A099015 8.78887  $-(x+1)*(8*x^4+7*x^3-5*x^2+2*x+2)/(4*x^2+x-1)/(x^2+4*x-1)/(x^2-x-1)$  lgdogf  
A099016 11.5750  $[ -(2*x^2-1)/(x+1)/(x^2-3*x+1)$  ogf]  
A099016 15.3916  $-(2+x^2+2*x^4)/(x+1)/(x^2-3*x+1)/(2*x^2-1)$  lgdogf  
A099016 5.89086  $[{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 4}]$ , ogf]  
A099018 14.9653  $1/2*\ln(x+1)+\operatorname{arctanh}((3*x+4)^{(1/2)})-\operatorname{arctanh}(2)$  revegfg  
A099018 15.2676  $[ -2*(x-2)/(x-1)/(2*x-1)$  ogf]  
A099018 19.2411  $-(5-8*x+2*x^2)/(x-1)/(-2+x)/(2*x-1)$  lgdogf  
A099018 8.27761  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 4, a(1) = 10}]$ , ogf]  
A099021 12.3713  $-7+7*x+7*x^2+(5-26*x+30*x^2)*f(x)+(2-8*x+8*x^2)*f(x)^2$  lgdegf  
A099021 3.40016  $[{(-n^2-5*n-6)*a(n+1)+(-4*n^2-21*n-27)*a(n+2)+(4*n+13)*a(n+3)-a(n+4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 24}]$ , ogf]  
A099025 17.7032  $-(-4-8*x+3*x^2)/(x+1)/(x^2-5*x+1)$  lgdogf  
A099025 19.4119  $[ 1/(x+1)/(x^2-5*x+1)$  ogf]  
A099025 6.35610  $[{a(n+3)-4*a(n+2)-4*a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 20}]$ , ogf]  
A099035 11.9332  $[ (2*x^2-1)/(x-1)/(2*x-1)^2$  ogf]  
A099035 14.8161  $-(5-10*x+4*x^3+2*x^2)/(x-1)/(2*x-1)/(2*x^2-1)$  lgdogf  
A099035 6.01942  $[{-a(n+3)+5*a(n+2)-8*a(n+1)+4*a(n), a(0) = 1, a(1) = 5, a(2) = 15}]$ , ogf]  
A099036 11.4199  $[ (x-1)^2/(2*x-1)/(x^2+x-1)$  ogf]  
A099036 16.2560  $-(1+x+2*x^3-6*x^2)/(x-1)/(2*x-1)/(x^2+x-1)$  lgdogf  
A099036 6.21977  $[{a(n+3)-3*a(n+2)+a(n+1)+2*a(n), a(0) = 1, a(1) = 1, a(2) = 3}]$ , ogf]  
A099038 15.8471  $-(-1+3*x+2*x^3-9*x^2)/(3*x^2+1-2*x+x^4-6*x^3)$  lgdogf  
A099041 13.3478  $-2*(3-5*x+x^2)/(-1+x)/(x-2)/(2*x-1)$  lgdogf  
A099041 4.20953  $[{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 8, a(1) = 24, a(2) = 58}]$ , ogf]  
A099041 7.86698  $[ -2*(x-2)^2/(2*x-1)/(x-1)^2$  ogf]  
A099044 15.1926  $2*(-1+2*(1-12*x)^{(1/2)})/(16*x-1)/(-1+12*x)$  lgdogf  
A099044 6.70178  $[{(-12*n-6)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 2}]$ , ogf]  
A099045 14.7923  $1/(18*x-1)*(-1+3*(1-16*x)^{(1/2)})/(-1+16*x)$  lgdogf  
A099045 6.52634  $[{(-16*n-8)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 2}]$ , ogf]  
A099046 12.1423  $2*(-1+4*(1-20*x)^{(1/2)})/(64*x-3)/(-1+20*x)$  lgdogf  
A099046 5.31950  $[{(-20*n-10)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 2}]$ , ogf]  
A099048 17.4023  $[ -2*(7*x-16)/(x-1)^2$  ogf]  
A099048 25.0657  $-(-16-x+(256+18*x)^{(1/2)})/(14+x)$  revogfg  
A099048 32.0841  $-(-25+7*x)/(x-1)/(7*x-16)$  lgdogf  
A099048 9.73699  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 32, a(1) = 50}]$ , ogf]  
A099087 24.1765  $[ 1/(2*x^2-2*x+1)$  ogf]  
A099087 37.4588  $-2*(2*x-1)/(2*x^2+1-2*x)$  lgdogf  
A099087 9.72955  $[{-a(n+2)+2*a(n+1)-2*a(n), a(0) = 1, a(1) = 2}]$ , ogf]  
A099094 18.8274  $[ -1/(3*x^3+3*x^2-1)$  ogf]  
A099094 23.6626  $-3*x*(3*x+2)/(-1+3*x^2+3*x^3)$  lgdogf  
A099094 7.49047  $[{-a(n+3)+3*a(n+1)+3*a(n), a(0) = 1, a(1) = 0, a(2) = 3}]$ , ogf]  
A099098 11.0762  $[ (x^2+x-1)/(x^3+3*x^2+2*x-1)$  ogf]  
A099098 13.2493  $-(x+1)*(x^3+x^2-3*x-1)/(x^2+x-1)/(x^3+3*x^2+2*x-1)$  lgdogf  
A099098 6.03256  $[{-a(n+3)+2*a(n+2)+3*a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 4}]$ , ogf]  
A099099 12.2097  $-(-1-4*x+9*x^2-4*x^3+x^4)/(x-1)/(x^4-5*x^3+6*x^2-4*x+1)$  lgdogf

A099099 8.74106 [  $-(x-1)^3/(x^4-5x^3+6x^2-4x+1)$  ogf]  
A099100 10.2414 [  $\{-a(n+2)+11a(n+1)+a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A099100 18.4790 [  $(3x-1)/(x^2+11x-1)$  ogf]  
A099100 19.4807  $1/2/(-3+x)*(-1-11x+(1+10x+125x^2)^{1/2})$  revogf  
A099100 23.2687  $-(3x+4)*(x-2)/(-1+3x)/(x^2+11x-1)$  lgdogf  
A099101 9.09215  $-x*(-6-15x-4x^2+7x^3+4x^4+x^5)/(x+1)/(x^2+x-1)/$   
 $(x^4+6x^3+5x^2-1)$  lgdogf  
A099101 9.36880 [  $(x+1)*(x^2+x-1)/(x^4+6x^3+5x^2-1)$  ogf]  
A099110 10.3219  $-2*(4-17x-3x^2+48x^3)/(-1+4x)/(3x-1)/(-1+2x)/(x+1)$  lgdogf  
A099110 11.5763 [  $-1/(4x-1)/(3x-1)/(2x-1)/(x+1)$  ogf]  
A099111 7.26964  $-(-13+114x-136x^3+600x^4-249x^2)/(-1+4x)/(3x-1)/(2x-1)/$   
 $(5x-1)/(1+x)$  lgdogf  
A099111 8.84454 [  $1/(4x-1)/(3x-1)/(2x-1)/(5x-1)/(x+1)$  ogf]  
A099111 7.33278 [  $-(x-1)^4/(x^5-4x^4+10x^3-10x^2+5x-1)$  ogf]  
A099131 9.75358  $-(-1+5x-5x^4+6x^3-10x^2+x^5)/(x-1)/$   
 $(x^5-4x^4+10x^3-10x^2+5x-1)$  lgdogf  
A099132 7.16704 [  $-(x-1)^4/(x^6+x^5-5x^4+10x^3-10x^2+5x-1)$  ogf]  
A099132 9.28040  $-(2x^2-x+1)*(x^4-2x^3-4x^2+4x-1)/(x-1)/$   
 $(x^6+x^5-5x^4+10x^3-10x^2+5x-1)$  lgdogf  
A099133 18.3179 [  $-x/(16x^2+4x-1)$  ogf]  
A099133 19.0742  $1/32/x*(-4x-1+(80x^2+8x+1)^{1/2})$  revogf  
A099133 27.4669  $-4*(1+8x)/(16x^2-1+4x)$  lgdogf  
A099133 8.48877 [  $\{-a(n+2)+4a(n+1)+16a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A099134 15.1298 [  $-x/(19x^2+2x-1)$  ogf]  
A099134 15.7128  $1/38/x*(-2x-1+(80x^2+4x+1)^{1/2})$  revogf  
A099134 21.7562  $-2*(1+19x)/(19x^2-1+2x)$  lgdogf  
A099134 7.01138 [  $\{-a(n+2)+2a(n+1)+19a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A099135 5.72039 [  $-$   
 $(5x^{15}-4x^{14}+3x^{13}-17x^{12}+15x^{11}+3x^{10}-5x^9-9x^8+7x^7+4x^6-x^5+x^3-$   
 $x^2-x-1)/(x-1)^2$  ogf]  
A099136 5.25205 [  $-$   
 $(3x^{15}+x^{14}-6x^{13}-2x^{12}+8x^{11}-14x^{10}+19x^9-19x^8+19x^7-16x^6+7x^5+5x^4-$   
 $4-16x^3+21x^2-10x-1)/(x-1)^2$  ogf]  
A099138 14.4957  $1/144/x*(-1-6x+(1+12x+324x^2)^{1/2})$  revogf  
A099138 15.1096 [  $-x/(6x+1)/(12x-1)$  ogf]  
A099138 19.4942  $-6*(1+24x)/(6x+1)/(-1+12x)$  lgdogf  
A099138 7.00202 [  $\{-a(n+2)+6a(n+1)+72a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A099139 12.3245  $1/216/x*(-1-12x+(1+24x+576x^2)^{1/2})$  revogf  
A099139 12.5370 [  $-x/(6x+1)/(-1+18x)$  ogf]  
A099139 16.9993  $-12*(1+18x)/(6x+1)/(18x-1)$  lgdogf  
A099139 5.96998 [  $\{-a(n+2)+12a(n+1)+108a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A099140 12.3416 [  $-(6x-1)/(16x^2-12x+1)$  ogf]  
A099140 13.5304  $-2*(3-16x+48x^2)/(6x-1)/(16x^2-12x+1)$  lgdogf  
A099140 14.5712  $-1/4*(-1-12x+(1+80x^2)^{1/2})/(8x+3)$  revogf  
A099140 6.90542 [  $\{a(n+2)-12a(n+1)+16a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A099141 11.6230 [  $-(7x-1)/(25x^2-14x+1)$  ogf]  
A099141 13.0419  $-(7-50x+175x^2)/(7x-1)/(25x^2-14x+1)$  lgdogf  
A099141 6.50333 [  $\{a(n+2)-14a(n+1)+25a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A099142 10.6697 [  $-(8x-1)/(36x^2-16x+1)$  ogf]  
A099142 11.6701  $-8*(1-9x+36x^2)/(-1+8x)/(36x^2-16x+1)$  lgdogf  
A099142 5.96998 [  $\{a(n+2)-16a(n+1)+36a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A099156 13.6311  $-1/8*(-1-8x+(4x+1)^{1/2}*(1+12x)^{1/2})/x$  revogf  
A099156 18.4516 [  $x/(4x^2-8x+1)$  ogf]  
A099156 27.2623  $-8*(x-1)/(4x^2+1-8x)$  lgdogf  
A099156 7.51733 [  $\{a(n+2)-8a(n+1)+4a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A099157 12.1618  $-1/32*(-1-12x+(4x+1)^{1/2}*(1+20x)^{1/2})/x$  revogf  
A099157 16.2365 [  $x/(16x^2-12x+1)$  ogf]  
A099157 20.7201  $-4*(-3+8x)/(16x^2+1-12x)$  lgdogf  
A099157 6.84671 [  $\{a(n+2)-12a(n+1)+16a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A099158 10.9960  $-1/50*(-1-14x+(4x+1)^{1/2}*(24x+1)^{1/2})/x$  revogf  
A099158 14.6996 [  $x/(25x^2-14x+1)$  ogf]

A099158 18.0648  $-2*(-7+25*x)/(25*x^2+1-14*x)$  lgdogf  
A099158 6.19863  $[{a(n+2)-14*a(n+1)+25*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A099159 10.9141  $[ (x-1)*(2*x-1)/(3*x-1)/(x^2+x-1)$  ogf]  
A099159 11.4487  $-(-1+6*x^4-18*x^3+11*x^2)/(x-1)/(3*x-1)/(2*x-1)/(x^2+x-1)$  lgdogf  
A099159 5.94429  $[{-a(n+3)+4*a(n+2)-2*a(n+1)-3*a(n), a(0) = 1, a(1) = 1, a(2) = 4}]$ , ogf]  
A099163 13.1156  $[ -(2*x^2-1)/(2*x-1)/(x^2-x-1)$  ogf]  
A099163 15.2809  $-(1+2*x+4*x^4-4*x^2)/(2*x-1)/(2*x^2-1)/(x^2-x-1)$  lgdogf  
A099163 6.67489  $[{-a(n+3)+a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 1, a(2) = 2}]$ , ogf]  
A099164 10.9681  $[ -(x^2+2*x-1)/(3*x-1)/(x^2+x-1)$  ogf]  
A099164 11.9249  $-(2-6*x+3*x^4+12*x^3-x^2)/(3*x-1)/(x^2+x-1)/(x^2+2*x-1)$  lgdogf  
A099164 5.97371  $[{a(n+3)-4*a(n+2)+2*a(n+1)+3*a(n), a(0) = 1, a(1) = 2, a(2) = 5}]$ , ogf]  
A099166 11.8147  $[ (x^2+1)/(2*x-1)/(x^2+x-1)$  ogf]  
A099166 14.9962  $-(-3+9*x^2+2*x^4)/(-1+2*x)/(x^2+1)/(x^2+x-1)$  lgdogf  
A099166 6.01284  $[{-a(n+3)+3*a(n+2)-a(n+1)-2*a(n), a(0) = 1, a(1) = 3, a(2) = 9}]$ , ogf]  
A099167 11.7177  $[ (x^2+1)/(3*x-1)/(x^2+x-1)$  ogf]  
A099167 13.6433  $-(-4+2*x+3*x^4+13*x^2)/(3*x-1)/(x^2+1)/(x^2+x-1)$  lgdogf  
A099167 5.91071  $[{-a(n+3)+4*a(n+2)-2*a(n+1)-3*a(n), a(0) = 1, a(1) = 4, a(2) = 15}]$ , ogf]  
A099176 8.94673  $-(-1+4*x+20*x^4-8*x^3+16*x^5-12*x^2)/(2*x-1)/(x+1)/(2*x^2-1)/(2*x^2+2*x-1)$  lgdogf  
A099176 9.65855  $[ -(x+1)*(2*x-1)/(2*x^2-1)/(2*x^2+2*x-1)$  ogf]  
A099177 12.5115  $[ x/(2*x^2-1)/(2*x^2+2*x-1)$  ogf]  
A099177 13.8960  $-2*(-1-4*x+8*x^3+6*x^2)/(2*x^2-1)/(2*x^2+2*x-1)$  lgdogf  
A099193 18.4121  $-2*(x+7)/(-1+x)/(x+1)$  lgdogf  
A099193 36.6813  $[[14-6*x]$  ogf\_with\_Euler\_transform]  
A099193 5.61689  $[ x*(x+1)^6/(x-1)^8$  ogf]  
A099193 6.03296  $[{(n+2)*a(n+3)-14*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 14}]$ , ogf]  
A099195 19.5719  $-2*(x+8)/(-1+x)/(x+1)$  lgdogf  
A099195 37.2586  $[[16-7*x]$  ogf\_with\_Euler\_transform]  
A099195 5.01571  $[ -x*(x+1)^7/(x-1)^9$  ogf]  
A099195 6.13031  $[{(n+2)*a(n+3)-16*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 16}]$ , ogf]  
A099196 20.7317  $-2*(x+9)/(-1+x)/(x+1)$  lgdogf  
A099196 37.3464  $[[18-8*x]$  ogf\_with\_Euler\_transform]  
A099196 4.39097  $[ x*(x+1)^8/(x-1)^10$  ogf]  
A099196 6.14736  $[{(n+2)*a(n+3)-18*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 18}]$ , ogf]  
A099197 3.69371  $[ -x*(x+1)^9/(x-1)^11$  ogf]  
A099197 35.1396  $-2*(x+10)/(-1+x)/(x+1)$  lgdogf  
A099197 35.2055  $[[20-9*x]$  ogf\_with\_Euler\_transform]  
A099197 5.80050  $[{(n+2)*a(n+3)-20*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 20}]$ , ogf]  
A099206 5.85354  $[ x*(2*x^11+2*x^9+2*x^8+x^7+2*x^6+x^5+x^4+x^3-x^2-x-1)/(x^9+x^6+2*x^3-1)$  ogf]  
A099211 18.3789  $[ -1/(4*x^3-2*x-1)$  ogf]  
A099211 23.2700  $-2*(-1+6*x^2)/(-1-2*x+4*x^3)$  lgdogf  
A099211 6.45217  $[{-a(n+3)-2*a(n+2)+4*a(n), a(0) = 1, a(1) = -2, a(2) = 4}]$ , ogf]  
A099212 11.9808  $[ -(2*x+1)/(4*x^3-2*x-1)$  ogf]  
A099212 16.1207  $-4*x^2*(4*x+3)/(1+2*x)/(4*x^3-2*x-1)$  lgdogf  
A099212 5.86017  $[{-a(n+3)-2*a(n+2)+4*a(n), a(0) = 1, a(1) = 0, a(2) = 0}]$ , ogf]  
A099213 12.2821  $[ (x-1)*(x+1)/(3*x^3+x^2+x-1)$  ogf]  
A099213 14.9178  $-(-1+3*x^4-10*x^2)/(x-1)/(x+1)/(3*x^3+x^2+x-1)$  lgdogf  
A099213 6.25071  $[{a(n+3)-a(n+2)-a(n+1)-3*a(n), a(0) = 1, a(1) = 1, a(2) = 1}]$ , ogf]  
A099214 12.2179  $-2*(-1+4*x+8*x^3-10*x^2)/(2*x-1)/(4*x^3-4*x^2+4*x-1)$  lgdogf  
A099214 12.2332  $[ (2*x-1)/(4*x^3-4*x^2+4*x-1)$  ogf]

A099214 5.78895 [ $\{a(n+3)-4a(n+2)+4a(n+1)-4a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A099215 12.6237 [ $(2*x-1)/(3*x-1)/(x^2-x+1)$  ogf]  
A099215 13.3851  $-(-2+8*x+12*x^3-17*x^2)/(3*x-1)/(2*x-1)/(x^2-x+1)$  lgdogf  
A099215 5.97371 [ $\{a(n+3)-4a(n+2)+4a(n+1)-3a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A099216 12.0640 [ $(2*x-1)/(2*x^3-4*x^2+4*x-1)$  ogf]  
A099216 12.5242  $-2*(x-1)*(4*x^2-3*x+1)/(2*x-1)/(2*x^3-4*x^2+4*x-1)$  lgdogf  
A099216 5.70887 [ $\{a(n+3)-4a(n+2)+4a(n+1)-2a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A099232 15.9490 [ $x/(x-1)/(3*x^2+x-1)$  ogf]  
A099232 21.4364  $-(-2-4*x+9*x^2)/(x-1)/(3*x^2+x-1)$  lgdogf  
A099232 6.46580 [ $\{-a(n+3)+2a(n+2)+2a(n+1)-3a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A099234 13.4648 [ $-1/(x^4+3*x^3+3*x^2+x-1)$  ogf]  
A099234 17.0118  $-(4*x+1)*(x+1)^2/(3*x^2-1+x+x^4+3*x^3)$  lgdogf  
A099235 11.1461 [ $-1/(x^2+x+1)/(x^3+3*x^2+2*x-1)$  ogf]  
A099235 14.1431  $-(5*x+1)*(x+1)^3/(x^2+x+1)/(x^3+3*x^2+2*x-1)$  lgdogf  
A099242 7.64626  $-(-7+30*x-60*x^2+60*x^3-30*x^4+6*x^5)/(15*x^2+1-7*x+15*x^4-20*x^3+x^6-6*x^5)$  lgdogf  
A099242 8.72765 [ $1/(x^6-6*x^5+15*x^4-20*x^3+15*x^2-7*x+1)$  ogf]  
A099247 5.00801 [ $-(x^31-x^30+x^29+2*x^28+4*x^27+7*x^26-13*x^25-x^24+x^10-x^9+x^8+x^7-x^6-x^5+x^3-x^2-1)/(x-1)^2$  ogf]  
A099250 23.1158  $x*(1+x)/(x^2+x+1)/(2*x+1)^2$  revogf  
A099251 8.56302  $1-6*x+9*x^2+(-1+13*x-39*x^2+27*x^3)*f(x)+(22*x^2-2*x-38*x^3+18*x^4)*f(x)^2$  lgdogf  
A099252 3.81663 [ $\{(18*n^3+135*n^2+333*n+270)*a(n+1)+(-20*n^3-162*n^2-433*n-381)*a(n+2)+(2*n^3+19*n^2+58*n+56)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A099253 6.58092  $-(8-42*x+7*x^6-42*x^5+105*x^4-140*x^3+105*x^2)/(-21*x^2-1+8*x-35*x^4+35*x^3-7*x^6+21*x^5+x^7)$  lgdogf  
A099253 8.55329 [ $-1/(x^7-7*x^6+21*x^5-35*x^4+35*x^3-21*x^2+8*x-1)$  ogf]  
A099254 15.6518 [ $1/(x^2-x+1)^2$  ogf]  
A099254 21.2610 [ $2*x^5-2*x^2-2*x+2$  ogf\_with\_Euler\_transform]  
A099254 4.69555 [ $\{(-n-3)*a(n+3)+(4+n)*a(n+2)+(-5-n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 1\}$ , ogf]  
A099254 40.6027  $-2*(2*x-1)/(x^2+1-x)$  lgdogf  
A099255 11.6878 [ $-(3*x^3+6*x^2-6*x-7)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A099255 9.20213  $-(6+30*x+3*x^6+12*x^5-9*x^4-28*x^3+9*x^2)/(x^2+x-1)/(x^2-x-1)/(3*x^3+6*x^2-6*x-7)$  lgdogf  
A099256 12.6549  $-(8+18*x+x^6+21*x^2-12*x^3-21*x^4)/(x-3)/(x^2+3*x+1)/(x^2+x-1)/(x^2-x-1)$  lgdogf  
A099256 16.2440 [ $-(x-3)*(x^2+3*x+1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A099262 3.45309 [ $-(531*x^5-881*x^4+535*x^3-151*x^2+20*x-1)/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A099263 3.95856 [ $-(3641*x^6-6583*x^5+4566*x^4-1579*x^3+290*x^2-27*x+1)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(8*x-1)/(5*x-1)$  ogf]  
A099265 5.50190  $-(3-53*x+1140*x^6+376*x^2-1368*x^3+2699*x^4-2749*x^5)/(x-1)/(3*x-1)/(-1+2*x)/(5*x-1)/(19*x^3-24*x^2+9*x-1)$  lgdogf  
A099265 6.40584 [ $(19*x^3-24*x^2+9*x-1)/(3*x-1)/(2*x-1)/(5*x-1)/(x-1)^2$  ogf]  
A099266 5.30621 [ $(91*x^4-135*x^3+68*x^2-14*x+1)/(6*x-1)/(3*x-1)/(2*x-1)/(4*x-1)/(x-1)^2$  ogf]  
A099269 5.46625  $-2*(2+4*x+54*x^3-33*x^2)/(-1+3*x)/(18*x^3-4*x^2-7*x+1)$  lgdogf  
A099269 5.66685 [ $-(3*x-1)/(18*x^3-4*x^2-7*x+1)$  ogf]  
A099270 11.6899  $-2*(x-3)*(x^2-5*x-2)/(x-1)/(1+x)/(x^2-14*x+1)$  lgdogf  
A099270 4.69051 [ $\{a(n+3)-13a(n+2)-13a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 12\}$ , ogf]  
A099270 9.06302 [ $-x*(x-1)/(x+1)/(x^2-14*x+1)$  ogf]  
A099271 11.2002  $-(13+28*x-17*x^2+2*x^3)/(x-1)/(x+1)/(x^2-15*x+1)$  lgdogf  
A099271 4.79193 [ $\{a(n+3)-14a(n+2)-14a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 13\}$ , ogf]

A099271 9.25898 [  $-x(x-1)/(x+1)/(x^2-15x+1)$  ogf]  
A099272 11.6230  $-2*(7+15*x-9*x^2+x^3)/(-1+x)/(x+1)/(x^2-16*x+1)$  lgdogf  
A099272 12.0337 [  $-x(x-1)/(x+1)/(x^2-16*x+1)$  ogf]  
A099272 6.22796 [  $\{a(n+3)-15*a(n+2)-15*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 14\}$ , ogf]  
A099273 10.2114  $-(15+32*x+2*x^3-19*x^2)/(x-1)/(x+1)/(x^2-17*x+1)$  lgdogf  
A099273 4.37408 [  $\{a(n+3)-16*a(n+2)-16*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 15\}$ , ogf]  
A099273 8.45161 [  $-x(x-1)/(x+1)/(x^2-17*x+1)$  ogf]  
A099275 10.5655  $-(17+36*x+2*x^3-21*x^2)/(x-1)/(x+1)/(x^2-19*x+1)$  lgdogf  
A099275 4.52319 [  $\{a(n+3)-18*a(n+2)-18*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 17\}$ , ogf]  
A099275 8.73973 [  $-x(x-1)/(x+1)/(x^2-19*x+1)$  ogf]  
A099276 10.9109  $-2*(9+19*x+x^3-11*x^2)/(x-1)/(1+x)/(x^2-20*x+1)$  lgdogf  
A099276 4.57290 [  $\{a(n+3)-19*a(n+2)-19*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 18\}$ , ogf]  
A099276 8.83578 [  $-x(x-1)/(x+1)/(x^2-20*x+1)$  ogf]  
A099277 10.8016  $-(19+40*x+2*x^3-23*x^2)/(x-1)/(1+x)/(x^2-21*x+1)$  lgdogf  
A099277 4.62261 [  $\{a(n+3)-20*a(n+2)-20*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 19\}$ , ogf]  
A099277 8.93181 [  $-x(x-1)/(x+1)/(x^2-21*x+1)$  ogf]  
A099278 11.0377  $-2*(10+21*x-12*x^2+x^3)/(x-1)/(x+1)/(x^2-22*x+1)$  lgdogf  
A099278 4.72202 [  $\{a(n+3)-21*a(n+2)-21*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 20\}$ , ogf]  
A099278 9.12390 [  $-x(x-1)/(x+1)/(x^2-22*x+1)$  ogf]  
A099279 10.5492  $-2*(8+17*x+x^3-10*x^2)/(x-1)/(x+1)/(x^2-18*x+1)$  lgdogf  
A099279 4.42378 [  $\{a(n+3)-17*a(n+2)-17*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 16\}$ , ogf]  
A099279 8.54764 [  $-x(x-1)/(x+1)/(x^2-18*x+1)$  ogf]  
A099322 8.81065 [  $x*(x-1)/(8*x^2-8*x+1)/(x^2-x-1)$  ogf]  
A099322 9.53950  $-(-6-2*x+49*x^2-64*x^3+24*x^4)/(x-1)/(1-8*x+8*x^2)/(x^2-x-1)$  lgdogf  
A099323 6.90101 [  $\{3*a(n)*n-2*a(n+1)*n+(-n-2)*a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A099324 12.9261  $-1/2*(x+1+(4*x+1)^{1/2})*x-(4*x+1)^{1/2})/(4*x+1)^{1/2}/x/(x+1)$  lgdogf  
A099324 5.13005 [  $\{(4*n+6)*a(n+1)+(5*n+9)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 0, a(2) = -1\}$ , ogf]  
A099325 10.6497  $1/2*(-8*x^2-6*x-1+(-(2*x-1)*(2*x+1))^{1/2})/x/(2*x+1)/(2*x-1)$  lgdogf  
A099325 8.66172  $-1/3*x*(\text{HeunG}(27/112, -27/56, -1/3, 1/3, 3/2, 1/2, -27/4*x)-4-12*x)/(1+4*x+8*x^2)$  revogf  
A099327 9.66896  $-15-16*x-8*x^2+(3+4*x-12*x^2-16*x^3)*f(x)+(2*x^2-8*x^4+4*x^3-x)*f(x)^2$  lgdogf  
A099328 6.66379  $-2*x*(1+3*x^9-2*x^8-x^7+3*x^6-7*x^5+3*x^4+x^3+3*x^2-2*x)/(x+1)/(2*x^3-2*x^2+2*x-1)/(x^3+x^2+x-1)/(x^4-2*x^3-1)$  lgdogf  
A099328 7.95956 [  $-(x+1)*(2*x^3-2*x^2+2*x-1)/(x^3+x^2+x-1)/(x^4-2*x^3-1)$  ogf]  
A099329 6.98963 [  $-x^2*(x^3-x^2-1)/(x^3+x^2+x-1)/(x^4-2*x^3-1)$  ogf]  
A099329 7.13047  $-(1+4*x+4*x^9-8*x^8+5*x^4+14*x^3+2*x^7-7*x^6+12*x^5-7*x^2)/(x^3-x^2-1)/(x^3+x^2+x-1)/(x^4-2*x^3-1)$  lgdogf  
A099330 7.27787 [  $x*(x^3-x+1)/(x^3+x^2+x-1)/(x^4-2*x^3-1)$  ogf]  
A099330 7.76429  $-x*(-2+4*x^8-3*x^7+5*x^3-12*x^2-8*x^6+9*x^5-2*x^4+x)/(x^3-x+1)/(x^3+x^2+x-1)/(x^4-2*x^3-1)$  lgdogf  
A099331 7.32910 [  $x^3*(x^2-x+2)/(x^3+x^2+x-1)/(x^4-2*x^3-1)$  ogf]  
A099331 8.46698  $-(-1-6*x+16*x^6-14*x^5-26*x^3+5*x^8-10*x^7+8*x^2)/(x^2-x+2)/(x^3+x^2+x-1)/(x^4-2*x^3-1)$  lgdogf  
A099359 8.03612 [  $-(88*x^3-168*x^2+65*x-6)/(x-1)/(8*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A099360 4.72202 [  $-(3136*x^4-5624*x^3+2514*x^2-355*x+14)/(16*x-1)/(x-1)/(8*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A099363 18.6231  $-1/2*(-1-x+(-(4*x-1)*(x-1)^2)^{1/2})/(x^2+2-2*x)$  revogf  
A099364 15.4284  $-2*(-x-1+2*x^2+(-(2*x-1)*(1+2*x))^{1/2})/x/(1+2*x)/(2*x-1)$  lgdogf

A099365 11.5689  $-(25+52*x+2*x^3-29*x^2)/(x-1)/(x+1)/(x^2-27*x+1)$  lgdogf  
A099365 4.94569  $[ \{a(n+3)-26*a(n+2)-26*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 25\}, \text{ogf}]$   
A099365 9.55608  $[ -x*(x-1)/(x+1)/(x^2-27*x+1)$  ogf]  
A099366 10.9748  $-2*(18+37*x-20*x^2+x^3)/(x-1)/(x+1)/(x^2-38*x+1)$  lgdogf  
A099366 4.69395  $[ \{a(n+3)-37*a(n+2)-37*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 36\}, \text{ogf}]$   
A099366 9.06966  $[ -x*(x-1)/(x+1)/(x^2-38*x+1)$  ogf]  
A099367 11.4864  $-(49+100*x+2*x^3-53*x^2)/(x-1)/(x+1)/(x^2-51*x+1)$  lgdogf  
A099367 5.01012  $[ \{a(n+3)-50*a(n+2)-50*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 49\}, \text{ogf}]$   
A099367 9.68058  $[ -x*(x-1)/(x+1)/(x^2-51*x+1)$  ogf]  
A099368 11.8117  $[ -(51*x-2)/(x^2-51*x+1)$  ogf]  
A099368 13.6080  $-1/2*(-2-51*x+(4+2597*x^2)^{1/2})/(x+51)$  revogf  
A099368 14.3242  $-(51-4*x+51*x^2)/(51*x-2)/(x^2-51*x+1)$  lgdogf  
A099368 6.60893  $[ \{a(n+2)-51*a(n+1)+a(n), a(0) = 2, a(1) = 51\}, \text{ogf}]$   
A099369 10.6065  $-2*(32+65*x-34*x^2+x^3)/(x-1)/(x+1)/(x^2-66*x+1)$  lgdogf  
A099369 4.53718  $[ \{a(n+3)-65*a(n+2)-65*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 64\}, \text{ogf}]$   
A099369 8.76675  $[ -x*(x-1)/(x+1)/(x^2-66*x+1)$  ogf]  
A099370 10.4439  $[ -(33*x-1)/(x^2-66*x+1)$  ogf]  
A099370 12.6397  $-(33-2*x+33*x^2)/(33*x-1)/(x^2-66*x+1)$  lgdogf  
A099370 5.84363  $[ \{a(n+2)-66*a(n+1)+a(n), a(0) = 1, a(1) = 33\}, \text{ogf}]$   
A099371 15.7883  $[ -x/(x^2+9*x-1)$  ogf]  
A099371 15.9772  $1/2/x*(-1-9*x+(1+18*x+85*x^2)^{1/2})$  revogf  
A099371 28.7590  $-(9+2*x)/(x^2-1+9*x)$  lgdogf  
A099371 7.21194  $[ \{-a(n+2)+9*a(n+1)+a(n), a(0) = 0, a(1) = 1\}, \text{ogf}]$   
A099372 4.02804  $[ \{a(n+3)-82*a(n+2)-82*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 81\}, \text{ogf}]$   
A099372 7.78298  $[ -x*(x-1)/(x+1)/(x^2-83*x+1)$  ogf]  
A099372 9.20978  $-(81+164*x+2*x^3-85*x^2)/(x-1)/(x+1)/(x^2-83*x+1)$  lgdogf  
A099373 11.4073  $-(83-4*x+83*x^2)/(83*x-2)/(x^2-83*x+1)$  lgdogf  
A099373 5.28257  $[ \{a(n+2)-83*a(n+1)+a(n), a(0) = 2, a(1) = 83\}, \text{ogf}]$   
A099373 9.44119  $[ -(83*x-2)/(x^2-83*x+1)$  ogf]  
A099374 3.50762  $[ \{a(n+3)-101*a(n+2)-101*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 100\}, \text{ogf}]$   
A099374 6.72774  $[ -x*(x-1)/(x+1)/(x^2-102*x+1)$  ogf]  
A099374 7.89602  $-2*(50+101*x+x^3-52*x^2)/(-1+x)/(x+1)/(x^2-102*x+1)$  lgdogf  
A099376 18.6305  $8/(1-4*x)^{1/2}/(1+(1-4*x)^{1/2})$  lgdogf  
A099376 5.16085  $[ \{(-4*n^2-18*n-20)*a(n+1)+(n^2+6*n+5)*a(n+2), a(0) = 0, a(1) = 1\}, \text{ogf}]$   
A099392 12.0248  $[ -(x^3+x^2-x+1)/(x+1)/(x-1)^3$  ogf]  
A099392 17.6903  $-(x^2+1)*(x^2+4*x+1)/(x-1)/(x+1)/(x^3+x^2-x+1)$  lgdogf  
A099393 5.28082  $[ \{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 1, a(1) = 5, a(2) = 19\}, \text{ogf}]$   
A099393 8.54307  $-( -5+32*x-66*x^2+32*x^3+16*x^4)/(x-1)/(-1+2*x)/(-1+4*x)/(2*x^2+2*x-1)$  lgdogf  
A099393 9.70990  $[ (2*x^2+2*x-1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A099397 11.1148  $-(51-2*x+51*x^2)/(51*x-1)/(x^2-102*x+1)$  lgdogf  
A099397 5.22042  $[ \{a(n+2)-102*a(n+1)+a(n), a(0) = 1, a(1) = 51\}, \text{ogf}]$   
A099397 9.24450  $[ -(51*x-1)/(x^2-102*x+1)$  ogf]  
A099423 5.82435  $[ (x^5-x^4+1)*(x^10+x^8-2*x^4+1)/(x-1)/(x+1)/(x^2+1)/(2*x^4-1)/(2*x^8-2*x^4+1)$  ogf]  
A099425 15.9786  $[ -(x^2+1)/(x^2+2*x-1)$  ogf]  
A099425 19.6096  $2*(-1-2*x+x^2)/(x^2+1)/(x^2+2*x-1)$  lgdogf  
A099425 7.67598  $[ \{-a(n+3)+2*a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 6\}, \text{ogf}]$   
A099428 6.06045  $-( -3-7*x+3*x^2)/(x-2)/(x^2+x-1)$  lgdogf  
A099429 11.2496  $[ -x^2*(x-2)/(x+1)^2/(2*x-1)^2$  ogf]  
A099429 20.2430  $-3*(-1-5*x+2*x^2)/(-2+x)/(2*x-1)/(x+1)$  lgdogf  
A099429 4.46106  $[ \{(-2*n^2-10*n-12)*a(n+1)+(-n^2-4*n-3)*a(n+2)+(n^2+3*n+2)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\}, \text{ogf}]$

A099430 11.4199 [ (3\*x^2-2\*x+1)/(x-1)/(2\*x-1)/(x+1) ogf]  
A099430 11.6308 -2\*x\*(-4+3\*x^3-4\*x^2+7\*x)/(x-1)/(2\*x-1)/(x+1)/(3\*x^2-2\*x+1) lgdogf  
A099430 6.27580 [{a(n+3)-2\*a(n+2)-a(n+1)+2\*a(n), a(0) = 1, a(1) = 0, a(2) = 4}, ogf]  
A099431 15.5727 -12\*x\*(1+x^2-x)/(2\*x-1)/(x+1)/(3\*x^2-2\*x+1) lgdogf  
A099431 4.83211 [{a(n+4)-2\*a(n+3)-3\*a(n+2)+4\*a(n+1)+4\*a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 6}, ogf]  
A099431 9.26707 [ x\*(3\*x^2-2\*x+1)/(x+1)^2/(2\*x-1)^2 ogf]  
A099432 13.8370 [ 1/(3\*x^2+3\*x-1)^2 ogf]  
A099432 25.9984 -6\*(2\*x+1)/(3\*x^2-1+3\*x) lgdogf  
A099432 4.16016 [{(n+3)\*a(n+3)+(-12-3\*n)\*a(n+2)+(-15-3\*n)\*a(n+1), a(0) = 1, a(1) = 6, a(2) = 33}, ogf]  
A099443 13.7471 [ (x^2+1)/(x^4-x^3+x^2-x+1) ogf]  
A099443 21.8648 -(-1+2\*x^5-2\*x^2+4\*x^3-x^4)/(x^2+1)/(x^4-x^3+x^2-x+1) lgdogf  
A099443 24.1006 [x^9-x^4-x^3+1 ogf\_with\_Euler\_transform]  
A099443 6.29268 [{-a(n+4)+a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1}, ogf]  
A099444 10.1513 -(-3+4\*x-6\*x^2+4\*x^3-3\*x^4+2\*x^5)/(x^2+1)/(x^4-3\*x^3+3\*x^2-3\*x+1) lgdogf  
A099444 10.3606 [ (x^2+1)/(x^4-3\*x^3+3\*x^2-3\*x+1) ogf]  
A099445 10.3606 [ -(x-1)\*(x+1)\*(x^2+1)/(x^4-3\*x^3+3\*x^2-3\*x+1) ogf]  
A099445 8.04674 -(3-6\*x+9\*x^2-8\*x^3+9\*x^4-6\*x^5+3\*x^6)/(x-1)/(x+1)/(x^2+1)/(x^4-3\*x^3+3\*x^2-3\*x+1) lgdogf  
A099446 10.0592 -(-3+8\*x-6\*x^2+4\*x^3-3\*x^4+2\*x^5)/(1+x^2)/(x^4-3\*x^3+5\*x^2-3\*x+1) lgdogf  
A099446 9.46748 [ (x^2+1)/(x^4-3\*x^3+5\*x^2-3\*x+1) ogf]  
A099447 7.46784 -(3-10\*x+3\*x^6-10\*x^5-8\*x^3+9\*x^4+9\*x^2)/(x-1)/(1+x)/(1+x^2)/(x^4-3\*x^3+5\*x^2-3\*x+1) lgdogf  
A099447 9.06425 [ -(x-1)\*(x+1)\*(x^2+1)/(x^4-3\*x^3+5\*x^2-3\*x+1) ogf]  
A099448 10.0528 [ (x^2+1)/(x^4-5\*x^3+7\*x^2-5\*x+1) ogf]  
A099448 9.56055 -(-5+12\*x+2\*x^5-5\*x^4+4\*x^3-10\*x^2)/(x^2+1)/(x^4-5\*x^3+7\*x^2-5\*x+1) lgdogf  
A099449 10.0033 [ -(x-1)\*(x+1)\*(x^2+1)/(x^4-5\*x^3+7\*x^2-5\*x+1) ogf]  
A099449 7.41091 -(5-14\*x+5\*x^6-14\*x^5+15\*x^4-8\*x^3+15\*x^2)/(x-1)/(x+1)/(x^2+1)/(x^4-5\*x^3+7\*x^2-5\*x+1) lgdogf  
A099450 22.9588 [ 1/(7\*x^2-5\*x+1) ogf]  
A099450 32.4103 -(-5+14\*x)/(7\*x^2+1-5\*x) lgdogf  
A099450 9.23954 [{-a(n+2)+5\*a(n+1)-7\*a(n), a(0) = 1, a(1) = 5}, ogf]  
A099451 12.2567 [ (x^2+1)/(x^4-5\*x^3+9\*x^2-5\*x+1) ogf]  
A099451 12.3521 -(-5+16\*x+2\*x^5-10\*x^2+4\*x^3-5\*x^4)/(x^2+1)/(x^4-5\*x^3+9\*x^2-5\*x+1) lgdogf  
A099452 12.2039 [ -(x-1)\*(x+1)\*(x^2+1)/(x^4-5\*x^3+9\*x^2-5\*x+1) ogf]  
A099452 9.58323 -(5-18\*x-18\*x^5+5\*x^6+15\*x^2-8\*x^3+15\*x^4)/(x-1)/(x+1)/(x^2+1)/(x^4-5\*x^3+9\*x^2-5\*x+1) lgdogf  
A099453 15.8729 -1/22\*(-1-7\*x+(1+14\*x+5\*x^2)^(1/2))/x revogf  
A099453 17.6371 [ 1/(11\*x^2-7\*x+1) ogf]  
A099453 23.4919 -(-7+22\*x)/(11\*x^2+1-7\*x) lgdogf  
A099453 7.22484 [{-a(n+2)+7\*a(n+1)-11\*a(n), a(0) = 1, a(1) = 7}, ogf]  
A099454 8.50036 -(-7+24\*x-14\*x^2+4\*x^3-7\*x^4+2\*x^5)/(1+x^2)/(x^4-7\*x^3+13\*x^2-7\*x+1) lgdogf  
A099454 8.94529 [ (x^2+1)/(x^4-7\*x^3+13\*x^2-7\*x+1) ogf]  
A099455 6.64396 -(7-26\*x+7\*x^6+21\*x^2-8\*x^3+21\*x^4-26\*x^5)/(x-1)/(x+1)/(1+x^2)/(x^4-7\*x^3+13\*x^2-7\*x+1) lgdogf  
A099455 8.94529 [ -(x-1)\*(x+1)\*(x^2+1)/(x^4-7\*x^3+13\*x^2-7\*x+1) ogf]  
A099456 18.2766 [ 1/(5\*x^2-4\*x+1) ogf]  
A099456 25.4580 -2\*(-2+5\*x)/(5\*x^2+1-4\*x) lgdogf  
A099456 7.35522 [{-a(n+2)+4\*a(n+1)-5\*a(n), a(0) = 1, a(1) = 4}, ogf]  
A099457 9.32483 [ (x^2+1)/(x^4-4\*x^3+7\*x^2-4\*x+1) ogf]  
A099457 9.84288 -2\*(-2+6\*x-4\*x^2+2\*x^3-2\*x^4+x^5)/(1+x^2)/(x^4-4\*x^3+7\*x^2-4\*x+1) lgdogf



A099458 7.49625  $-2*(2-7*x+2*x^6+6*x^2-4*x^3+6*x^4-7*x^5)/(x-1)/(x+1)/(1+x^2)/$   
 $(x^4-4*x^3+7*x^2-4*x+1)$  lgdogf  
A099458 9.16942  $[-(x-1)*(x+1)*(x^2+1)/(x^4-4*x^3+7*x^2-4*x+1)$  ogf]  
A099459 13.1693  $-1/18*(-1-7*x+(1+x)^(1/2)*(1+13*x)^(1/2))/x$  revogf  
A099459 17.5291  $[1/(9*x^2-7*x+1)$  ogf]  
A099459 23.5950  $-(-7+18*x)/(9*x^2+1-7*x)$  lgdogf  
A099459 7.05438  $[{-a(n+2)+7*a(n+1)-9*a(n), a(0) = 1, a(1) = 7},$  ogf]  
A099460 8.19334  $-(-7+20*x+2*x^5+4*x^3-7*x^4-14*x^2)/(x^2+1)/$   
 $(x^4-7*x^3+11*x^2-7*x+1)$  lgdogf  
A099460 8.62614  $[(x^2+1)/(x^4-7*x^3+11*x^2-7*x+1)$  ogf]  
A099461 12.9660  $-(7-22*x+7*x^6-22*x^5-8*x^3+21*x^4+21*x^2)/(x-1)/(1+x)/(x^2+1)/$   
 $(x^4-7*x^3+11*x^2-7*x+1)$  lgdogf  
A099461 17.2956  $[-(x-1)*(x+1)*(x^2+1)/(x^4-7*x^3+11*x^2-7*x+1)$  ogf]  
A099462 17.0024  $[-x/(4*x^3+4*x^2-1)$  ogf]  
A099462 23.8011  $-4*x*(3*x+2)/(-1+4*x^2+4*x^3)$  lgdogf  
A099462 7.57717  $[{-a(n+3)+4*a(n+1)+4*a(n), a(0) = 0, a(1) = 1, a(2) = 0},$  ogf]  
A099463 11.1461  $[x*(x-1)/(x^3+x^2+3*x-1)$  ogf]  
A099463 16.0399  $-2*(-1-x-x^2+x^3)/(x-1)/(x^3+x^2+3*x-1)$  lgdogf  
A099463 5.72369  $[{-a(n+3)+3*a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 2},$   
ogf]  
A099464 16.8832  $-(x-1)*(3*x-7)/(-5*x^2-1+7*x+x^3)$  lgdogf  
A099464 18.6032  $[-x/(x^3-5*x^2+7*x-1)$  ogf]  
A099464 6.87146  $[{a(n+3)-7*a(n+2)+5*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 7},$   
ogf]  
A099465 5.70262  $[-1/(3*x^3+3*x^2-1)$  ogf]  
A099465 6.97676  $-3*x*(2+3*x)/(-1+3*x^2+3*x^3)$  lgdogf  
A099470 14.0659  $[-1/(x^2-x+1)^2$  ogf]  
A099470 20.8035  $[2*x^5-2*x^2-2*x+2$  ogf\_with\_Euler\_transform]  
A099470 4.59487  $[{(n+3)*a(n+3)+(-4-n)*a(n+2)+(5+n)*a(n+1), a(0) = -1, a(1) = -2,$   
 $a(2) = -1},$  ogf]  
A099470 40.2395  $-2*(2*x-1)/(x^2+1-x)$  lgdogf  
A099471 21.3698  $-(2*x-1)*(x^2-x+3)/(x^2-x+1)/(x^2-x+2)$  lgdogf  
A099471 9.03956  $[-(x^3-x^2+2*x-1)/(x^2-x+1)^2$  ogf]  
A099479 11.1587  $[x*(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A099479 13.1021  $-2*(1+2*x^6-x^5+4*x^4-2*x^3+2*x^2)/(x-1)/(x^2+1)/(x^2+x+1)/(x^2-$   
 $x+1)$  lgdogf  
A099479 27.3029  $[[x^5-x^3+2]$  ogf\_with\_Euler\_transform]  
A099480 15.1414  $[1/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A099480 17.4268  $-2*(1-x+3*x^4-2*x^3+2*x^2)/(x-1)/(1+x+x^2)/(x^2-x+1)$  lgdogf  
A099480 31.7548  $[[x^5-x+2]$  ogf\_with\_Euler\_transform]  
A099483 14.0877  $[x/(x^2+1)/(x^2-3*x+1)$  ogf]  
A099483 16.5901  $-(-3+4*x-9*x^2+4*x^3)/(1+x^2)/(x^2-3*x+1)$  lgdogf  
A099484 10.0531  $[(x-1)^2/(x^2+1)/(x^2-3*x+1)$  ogf]  
A099484 13.6039  $-(1-x+9*x^2-7*x^3+2*x^4)/(x-1)/(1+x^2)/(x^2-3*x+1)$  lgdogf  
A099485 10.7067  $-2*(-1+x-3*x^4+5*x^3+x^5-4*x^2)/(x^2-3*x+1)/(x^2+1-x)/(1+x^2)$   
lgdogf  
A099485 9.65855  $[(x^2-x+1)/(x^2+1)/(x^2-3*x+1)$  ogf]  
A099486 13.1383  $[x/(x^2+1)/(x^2-4*x+1)$  ogf]  
A099486 16.2595  $-4*(-1+x+x^3-3*x^2)/(1+x^2)/(x^2-4*x+1)$  lgdogf  
A099487 9.32528  $-(-1+2*x-13*x^4+28*x^3-14*x^2+2*x^5)/(1+x^2)/(x^2-4*x+1)/$   
 $(x^2-3*x+1)$  lgdogf  
A099487 9.37674  $[(x^2-3*x+1)/(x^2+1)/(x^2-4*x+1)$  ogf]  
A099488 13.6132  $-2*(1+x^4-4*x^3+6*x^2)/(x-1)/(x^2+1)/(x^2-4*x+1)$  lgdogf  
A099488 9.65664  $[(x-1)^2/(x^2+1)/(x^2-4*x+1)$  ogf]  
A099489 10.5204  $-(x^2-2*x+3)*(2*x^3-3*x^2-1)/(1+x^2)/(x^2-x+1)/(x^2-4*x+1)$   
lgdogf  
A099489 9.02751  $[(x^2-x+1)/(x^2+1)/(x^2-4*x+1)$  ogf]  
A099491 11.6531  $[(x^2+1)^2/(x^6+2*x^4-x^3+2*x^2+1)$  ogf]  
A099491 16.4105  $-x^2*(6*x^3+2*x^5-3+4*x+x^2)/(x^2+1)/(x^6+2*x^4-x^3+2*x^2+1)$   
lgdogf  
A099492 11.1068  $[(x^2+1)^2/(x^6+2*x^4-2*x^3+2*x^2+1)$  ogf]

A099492 14.9537  $-2*x^2*(3*x^3+x^5-3+2*x+x^2)/(1+x^2)/(x^6+2*x^4-2*x^3+2*x^2+1)$  lgdogf  
A099493 10.8668  $[(x^2+1)^2/(x^6+x^4-2*x^3+x^2+1) \text{ ogf}]$   
A099493 14.9931  $-2*x*(-1+x^6-3*x+x^2+x^3+3*x^4)/(1+x^2)/(x^6+x^4-2*x^3+x^2+1)$  lgdogf  
A099494 13.0741  $-x*(-2+6*x^4-3*x+2*x^2+x^3+2*x^6)/(x^2+x+1)/(x^4-x^3+x^2-x+1)/(1+x^2)$  lgdogf  
A099494 14.7488  $[x^9-x^4-2*x^3+x^2+x \text{ ogf\_with\_Euler\_transform}]$   
A099494 8.64183  $[(x^2+1)^2/(x^2+x+1)/(x^4-x^3+x^2-x+1) \text{ ogf}]$   
A099495 7.71030  $-(-1+4*x^7-11*x^6+16*x^5-16*x^4+10*x^3-8*x^2)/(1+x+x^2)/(x^2-x+1)/(x^4-3*x^3+3*x^2-3*x+1)$  lgdogf  
A099495 7.82712  $[x*(x^2-x+1)/(x^2+x+1)/(x^4-3*x^3+3*x^2-3*x+1) \text{ ogf}]$   
A099496 17.0816  $[(x+1)/(x^2+3*x+1) \text{ ogf}]$   
A099496 20.6688  $-1/2*(-1+3*x+(1-2*x+5*x^2)^{1/2})/(x-1) \text{ revogf}$   
A099496 26.8695  $-(2+2*x+x^2)/(x+1)/(x^2+3*x+1)$  lgdogf  
A099496 9.37404  $[{-a(n+2)-3*a(n+1)-a(n), a(0) = 1, a(1) = -2}, \text{ ogf}]$   
A099503 19.5498  $[1/(x^3-4*x+1) \text{ ogf}]$   
A099503 27.4970  $-(-4+3*x^2)/(1-4*x+x^3)$  lgdogf  
A099503 6.79099  $[{-a(n+3)+4*a(n+2)-a(n), a(0) = 1, a(1) = 4, a(2) = 16}, \text{ ogf}]$   
A099504 18.4526  $[1/(x^3-5*x+1) \text{ ogf}]$   
A099504 25.9379  $-(-5+3*x^2)/(1-5*x+x^3)$  lgdogf  
A099504 6.40984  $[{-a(n+3)+5*a(n+2)-a(n), a(0) = 1, a(1) = 5, a(2) = 25}, \text{ ogf}]$   
A099505 14.5111  $[x/(x^6-x^4+2*x^3-x^2-x+1) \text{ ogf}]$   
A099505 18.8967  $-(-1-2*x+6*x^5+6*x^2-4*x^3)/(-x^2+1-x-x^4+2*x^3+x^6)$  lgdogf  
A099508 13.3688  $[x/(x-1)/(x^2+x-1)/(x^3+x+1) \text{ ogf}]$   
A099508 14.1704  $-(-1-4*x+6*x^5-4*x^3+6*x^2)/(x-1)/(x^2+x-1)/(x^3+x+1)$  lgdogf  
A099511 12.2798  $-(3+2*x^5-5*x^4+9*x^2)/(x^2+x+1)/(x^2-3*x+1)/(x^2-x-1)$  lgdogf  
A099511 9.80343  $[-(x^2-x-1)/(x^2+x+1)/(x^2-3*x+1) \text{ ogf}]$   
A099513 9.39655  $[-(x^2-2*x-1)/(x^4-7*x^3-x^2-2*x+1) \text{ ogf}]$   
A099513 9.77430  $-(4-13*x^4+24*x^3+2*x^5+25*x^2)/(x^2-2*x-1)/(x^4-7*x^3-x^2-2*x+1)$  lgdogf  
A099515 10.5681  $[-(2*x^2-1)/(4*x^4+3*x^3-3*x^2-2*x+1) \text{ ogf}]$   
A099515 9.62086  $-(2+2*x+16*x^5+6*x^4-16*x^3-5*x^2)/(2*x^2-1)/(4*x^4+3*x^3-3*x^2-2*x+1)$  lgdogf  
A099516 11.0338  $-2*(x-1)*(3*x^4+3*x^3-x^2+2*x+1)/(-x^2+1-2*x-2*x^4+2*x^3+x^6)$  lgdogf  
A099516 11.9888  $[x/(x^6-2*x^4+2*x^3-x^2-2*x+1) \text{ ogf}]$   
A099517 10.9128  $[(x^3-x+1)/(x-1)/(x+1)/(x^2-x+1)/(x^2+x-1) \text{ ogf}]$   
A099517 8.89676  $-(-1+3*x^8-7*x^6+6*x^5+6*x^4-8*x^3+3*x^2)/(x-1)/(x+1)/(x^2-x+1)/(x^2+x-1)/(x^3-x+1)$  lgdogf  
A099524 18.6399  $[-1/(x^3+5*x-1) \text{ ogf}]$   
A099524 26.2066  $-(-5+3*x^2)/(1+5*x+x^3)$  lgdogf  
A099524 6.47492  $[{-a(n+3)+5*a(n+2)+a(n), a(0) = 1, a(1) = 5, a(2) = 25}, \text{ ogf}]$   
A099525 23.5711  $[-1/(3*x^3+2*x-1) \text{ ogf}]$   
A099525 26.8037  $-(2+9*x^2)/(-1+2*x+3*x^3)$  lgdogf  
A099525 7.27194  $[{-a(n+3)+2*a(n+2)+3*a(n), a(0) = 1, a(1) = 2, a(2) = 4}, \text{ ogf}]$   
A099526 12.3451  $-a(n+4)+2*a(n+3)+3*a(n), a(0)=2, a(1)=4, a(2)=8, a(3)=28$  lgdogf  
A099526 20.6133  $[ -1/(x+1)/(3*x^3-3*x^2+3*x-1) \text{ ogf}]$   
A099528 9.25780  $[ -(x^2-x-1)/(x^4-5*x^3+2*x^2-4*x+1) \text{ ogf}]$   
A099528 9.34442  $-(5-6*x-8*x^4+6*x^3+17*x^2+2*x^5)/(x^2-x-1)/(x^4-5*x^3+2*x^2-4*x+1)$  lgdogf  
A099529 14.3673  $[(x+1)^2/(x^3+x^2+2*x+1) \text{ ogf}]$   
A099529 29.3604  $-x^2*(x+3)/(x+1)/(x^3+x^2+2*x+1)$  lgdogf  
A099529 7.96730  $[{-a(n+3)-2*a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = 0}, \text{ ogf}]$   
A099530 21.0539  $a(n+4)-a(n+3)+a(n), a(0)=1, a(1)=1, a(2)=1, a(3)=-3$  lgdogf  
A099530 31.7164  $[1/(x^4-x+1) \text{ ogf}]$   
A099531 10.8247  $[(x+1)^3/(x^4+x^3+3*x^2+3*x+1) \text{ ogf}]$   
A099531 23.9014  $-x^3*(4+x)/(x+1)/(x^4+x^3+3*x^2+3*x+1)$  lgdogf  
A099558 12.2761  $[ -(x^2-x+1)/(x^5-x^2+2*x-1) \text{ ogf}]$   
A099558 14.1171  $-(1+3*x^6-4*x^5+5*x^4-x^2)/(x^2-x+1)/(x^5-x^2+2*x-1)$  lgdogf

A099559 15.9396  $-( -2+2*x+6*x^5-5*x^4)/(x-1)/(x^2-x+1)/(x^3+x^2-1)$  lgdogf  
A099559 16.1740  $[ x/(x-1)/(x^2-x+1)/(x^3+x^2-1)$  ogf]  
A099560 14.4228  $[ x^3/(x-1)/(x^2+x+1)/(x^3+x-1)$  ogf]  
A099560 15.5229  $-( -1+6*x^5+4*x^3-6*x^2)/(x-1)/(x^2+x+1)/(x^3+x-1)$  lgdogf  
A099561 14.6813  $-( -1+8*x^7+5*x^4-8*x^3)/(x-1)/(x+1)/(x^2+1)/(x^4+x-1)$  lgdogf  
A099561 14.6813  $[ x^4/(x-1)/(x+1)/(x^2+1)/(x^4+x-1)$  ogf]  
A099562 11.0202  $-( -1+10*x^9+6*x^5-10*x^4)/(x-1)/(x^2-x+1)/(x^3+x^2-1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A099562 14.4167  $[ x^5/(x-1)/(x^2-x+1)/(x^3+x^2-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A099563 6.74308  $[ x*(3*x^47-x^41-x^35+x^29-x^27-x^24-2*x^23+x^17+x^11-x^5+x^3+1)/(x+1)/(x^2+1)/(x^4+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x^8-x^4+1)/(x-1)^2$  ogf]  
A099568 11.5903  $[ -(x-1)/(2*x-1)/(x^3+x-1)$  ogf]  
A099568 13.5911  $-( -2-4*x+6*x^4-10*x^3+5*x^2)/(x-1)/(2*x-1)/(x^3+x-1)$  lgdogf  
A099568 4.97895  $[ \{-a(n+4)+3*a(n+3)-2*a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9\},$  ogf]  
A099570 15.4060  $[ -(x^3-x^2-2*x-1)/(x+1)^2$  ogf]  
A099570 35.2046  $x^2*(x+3)/(x+1)/(x^3-x^2-2*x-1)$  lgdogf  
A099570 8.39079  $[ \{a(n+4)+2*a(n+3)+a(n+2), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = -1\},$  ogf]  
A099571 16.6675  $-( -1-8*x+8*x^3+7*x^2)/(x-1)/(x+1)/(x^2+x-1)$  lgdogf  
A099571 9.02516  $[ 1/(x^2+x-1)/(x-1)^3/(x+1)^3$  ogf]  
A099572 16.4842  $-( -1-10*x+10*x^3+9*x^2)/(x-1)/(x+1)/(x^2+x-1)$  lgdogf  
A099572 7.56123  $[ -1/(x^2+x-1)/(x-1)^4/(x+1)^4$  ogf]  
A099574 7.44792  $-( -1+2*x-8*x^7+4*x^11+2*x^9+x^8-x^6-4*x^5-2*x^4+4*x^3-3*x^2)/(x-1)/(x+1)/(x^2+1)/(x^4+x^2-1)/(x^4+x-1)$  lgdogf  
A099574 8.62118  $[ -(x-1)*(x+1)*(x^2+1)/(x^4+x^2-1)/(x^4+x-1)$  ogf]  
A099578 13.3481  $1/2*(-3+((12*x^2+4*x+1)*(5+6*x)^2)^(1/2))*x/(1+3*x)^3$  revogf  
A099579 12.9585  $[ x^2/(3*x^2-1)/(3*x^2+x-1)$  ogf]  
A099579 15.1096  $-( -1-12*x+36*x^3+9*x^2)/(3*x^2-1)/(x+3*x^2-1)$  lgdogf  
A099580 12.9749  $[ x^2/(2*x-1)/(2*x+1)/(4*x^2+x-1)$  ogf]  
A099580 13.3432  $-( -1-16*x+64*x^3+12*x^2)/(2*x+1)/(2*x-1)/(4*x^2+x-1)$  lgdogf  
A099581 13.4313  $[ x^2/(3*x^2-1)/(3*x^2+3*x-1)$  ogf]  
A099581 13.8643  $-3*(x+1)*(12*x^2-3*x-1)/(3*x^2-1)/(3*x^2+3*x-1)$  lgdogf  
A099582 11.2676  $-4*(-1-4*x+16*x^3+12*x^2)/(2*x+1)/(2*x-1)/(4*x^2+4*x-1)$  lgdogf  
A099582 12.2760  $[ x^2/(2*x-1)/(2*x+1)/(4*x^2+4*x-1)$  ogf]  
A099583 13.6688  $[ x^2/(x+1)/(3*x-1)/(3*x^2-1)$  ogf]  
A099583 13.8147  $-2*(-1-6*x+18*x^3+9*x^2)/(3*x-1)/(x+1)/(3*x^2-1)$  lgdogf  
A099586 8.03682  $-( -1-6*x+18*x^4-16*x^3+4*x^6-12*x^5+12*x^2)/(2*x-1)/(x^2+1-x)/(2*x^4-4*x^3+6*x^2-4*x+1)$  lgdogf  
A099586 9.56660  $[ -(2*x-1)*(x^2-x+1)/(2*x^4-4*x^3+6*x^2-4*x+1)$  ogf]  
A099587 11.2844  $-2*(1-4*x+6*x^2-6*x^3+2*x^4)/(x-1)/(2*x^4-4*x^3+6*x^2-4*x+1)$  lgdogf  
A099587 4.51353  $[ \{-a(n+4)+4*a(n+3)-6*a(n+2)+4*a(n+1)-2*a(n), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3\},$  ogf]  
A099587 8.71792  $[ x*(x-1)^2/(2*x^4-4*x^3+6*x^2-4*x+1)$  ogf]  
A099588 11.0994  $-( -3-12*x+18*x^2-16*x^3+6*x^4)/(x-1)/(2*x^4-4*x^3+6*x^2-4*x+1)$  lgdogf  
A099588 12.4032  $[ -x^2*(x-1)/(2*x^4-4*x^3+6*x^2-4*x+1)$  ogf]  
A099589 15.2185  $[ x^3/(2*x^4-4*x^3+6*x^2-4*x+1)$  ogf]  
A099589 15.3035  $-4*(2*x-1)*(x^2-x+1)/(6*x^2+1-4*x+2*x^4-4*x^3)$  lgdogf  
A099590 7.56697  $[ x*(x+2)*(x^2-2*x+2)/(2*x-1)^2/(x^2+1)^2$  ogf]  
A099590 9.75527  $-( -14-20*x-x^4-22*x^3+57*x^2+6*x^5)/(2*x-1)/(x+2)/(1+x^2)/(x^2-2*x+2)$  lgdogf  
A099592 7.30518  $[ 6*(2*x^19+3*x^10+x^7+2*x^6+2*x^5+5*x^4+15*x^3+20*x^2+155*x-210)/(x-1)$  ogf]  
A099603 10.4129  $-2*(1+4*x+8*x^5-12*x^4-8*x^3+6*x^2)/(2*x^2-2*x-1)/(4*x^4-6*x^2+1)$  lgdogf  
A099603 12.1131  $[ -(2*x^2-2*x-1)/(4*x^4-6*x^2+1)$  ogf]  
A099604 8.05062  $-( -1+4*x-8*x^4+6*x^3+8*x^2-14*x^5-5*x^6+4*x^7+3*x^8)/(x^3-x-1)/(x^6+2*x^5-3*x^3-2*x^2+1)$  lgdogf

A099604 9.78938 [  $-(x^3-x-1)/(x^6+2x^5-3x^3-2x^2+1)$  ogf]  
A099606 11.2661 [  $-(2x^2-4x-1)/(2x^2+4x+1)/(2x^2-4x+1)$  ogf]  
A099606 8.21227  $-4*(1+5x+4x^5-12x^4-4x^3+12x^2)/(2x^2-4x-1)/(2x^2+4x+1)/(2x^2-4x+1)$  lgdogf  
A099607 6.69933  $-(2+6x+3x^8+16x^4+36x^3-19x^6-16x^5+19x^2)/(x^3-x^2-2x+1)/(x^3-x^2-2x-1)/(x^3+3x^2+2x+1)$  lgdogf  
A099607 7.60493 [  $-(x^3-x^2-2x-1)/(x^3-x^2-2x+1)/(x^3+3x^2+2x+1)$  ogf]  
A099621 13.8867 [  $x/(4x-1)/(3x-1)/(x+1)$  ogf]  
A099621 15.3477  $-2*(-3+5x+18x^2)/(-1+4x)/(3x-1)/(x+1)$  lgdogf  
A099621 5.70346 [  $\{a(n+3)-6a(n+2)+5a(n+1)+12a(n), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A099622 12.6272 [  $x/(4x-1)/(5x-1)/(x+1)$  ogf]  
A099622 13.9097  $-2*(-4+11x+30x^2)/(-1+4x)/(5x-1)/(x+1)$  lgdogf  
A099622 5.25204 [  $\{a(n+3)-8a(n+2)+11a(n+1)+20a(n), a(0) = 0, a(1) = 1, a(2) = 8\}$ , ogf]  
A099623 12.5120 [  $-x^2/(x+1)/(3x-1)/(2x-1)^2$  ogf]  
A099623 18.0826  $-6*(-1+x+4x^2)/(3x-1)/(2x-1)/(x+1)$  lgdogf  
A099623 3.44718 [  $\{(-6n-18)*a(n+1)+(-n-6)*a(n+2)+(4n+10)*a(n+3)+(-n-2)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6\}$ , ogf]  
A099624 11.3832 [  $-x^2/(x+1)/(4x-1)/(3x-1)^2$  ogf]  
A099624 15.4930  $-(-9+19x+48x^2)/(4x-1)/(-1+3x)/(x+1)$  lgdogf  
A099625 12.2798 [  $-x^2/(x^2+2x-1)/(2x-1)^2$  ogf]  
A099625 17.7417  $-2*(-3+5x+4x^2)/(2x-1)/(x^2+2x-1)$  lgdogf  
A099625 3.38320 [  $\{(2n+6)*a(n+1)+(3n+10)*a(n+2)+(-4n-10)*a(n+3)+(n+2)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6\}$ , ogf]  
A099626 13.6008 [  $x/(x^4+2x^3-3x^2-2x+1)$  ogf]  
A099626 13.6759  $-2*(-1-3x+2x^3+3x^2)/(-3x^2+1-2x+x^4+2x^3)$  lgdogf  
A099638 3.57852 [  $\{a(n+3)-111a(n+2)+1110a(n+1)-1000a(n), a(0) = 1, a(1) = 77, a(2) = 7437\}$ , ogf]  
A099638 6.46980  $-(-77+2220x+68000x^3-40740x^2)/(x-1)/(10x-1)/(34x-1)/(100x-1)$  lgdogf  
A099638 7.15703 [  $(34x-1)/(x-1)/(100x-1)/(10x-1)$  ogf]  
A099653 6.20742  $(x+2)*(9x^7+62x^6+191x^5+338x^4+369x^3+246x^2+90x+12)/(96x^2+5+24x+10x^8+246x^4+x^9+194x^3+120x^6+209x^5+45x^7)$  lgdogf  
A099654 20.7589  $(21+48x+5x^4+24x^3+48x^2)/(24x^2+5+21x+6x^4+16x^3+x^5)$  lgdogf  
A099669 15.8638 [  $-2/(10x-1)/(x-1)^2$  ogf]  
A099669 20.8996  $-6*(-2+5x)/(10x-1)/(x-1)$  lgdogf  
A099669 5.91530 [  $\{a(n+3)-12a(n+2)+21a(n+1)-10a(n), a(0) = 2, a(1) = 24, a(2) = 246\}$ , ogf]  
A099670 12.6125 [  $-3/(10x-1)/(x-1)^2$  ogf]  
A099670 20.8996  $-6*(-2+5x)/(10x-1)/(x-1)$  lgdogf  
A099670 4.70297 [  $\{a(n+3)-12a(n+2)+21a(n+1)-10a(n), a(0) = 3, a(1) = 36, a(2) = 369\}$ , ogf]  
A099671 12.6125 [  $-4/(10x-1)/(x-1)^2$  ogf]  
A099671 20.8996  $-6*(-2+5x)/(10x-1)/(x-1)$  lgdogf  
A099671 4.70297 [  $\{a(n+3)-12a(n+2)+21a(n+1)-10a(n), a(0) = 4, a(1) = 48, a(2) = 492\}$ , ogf]  
A099672 15.8638 [  $-5/(10x-1)/(x-1)^2$  ogf]  
A099672 20.8996  $-6*(-2+5x)/(10x-1)/(x-1)$  lgdogf  
A099672 5.91530 [  $\{a(n+3)-12a(n+2)+21a(n+1)-10a(n), a(0) = 5, a(1) = 60, a(2) = 615\}$ , ogf]  
A099673 12.6125 [  $-6/(10x-1)/(x-1)^2$  ogf]  
A099673 20.8996  $-6*(-2+5x)/(10x-1)/(x-1)$  lgdogf  
A099673 4.70297 [  $\{a(n+3)-12a(n+2)+21a(n+1)-10a(n), a(0) = 6, a(1) = 72, a(2) = 738\}$ , ogf]  
A099674 12.6125 [  $-7/(10x-1)/(x-1)^2$  ogf]  
A099674 20.8996  $-6*(-2+5x)/(10x-1)/(x-1)$  lgdogf  
A099674 4.70297 [  $\{a(n+3)-12a(n+2)+21a(n+1)-10a(n), a(0) = 7, a(1) = 84, a(2) = 861\}$ , ogf]  
A099675 12.6125 [  $-8/(10x-1)/(x-1)^2$  ogf]

A099675 20.8996  $-6*(-2+5*x)/(10*x-1)/(x-1)$  lgdogf  
A099675 4.70297  $[ \{a(n+3)-12*a(n+2)+21*a(n+1)-10*a(n), a(0) = 8, a(1) = 96, a(2) = 984\},$  ogf]  
A099676 15.3914  $[ -9/(10*x-1)/(x-1)^2$  ogf]  
A099676 25.5940  $-6*(-2+5*x)/(10*x-1)/(x-1)$  lgdogf  
A099676 5.64351  $[ \{a(n+3)-12*a(n+2)+21*a(n+1)-10*a(n), a(0) = 9, a(1) = 108, a(2) = 1107\},$  ogf]  
A099721 10.3885  $[ x*(x^2+8*x+3)/(x-1)^4$  ogf]  
A099721 21.9814  $-2*(10+13*x+x^2)/(x-1)/(x^2+8*x+3)$  lgdogf  
A099721 3.81084  $[ \{(9+3*n)*a(n+4)+(-10+5*n)*a(n+3)+(-33-7*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 20, a(3) = 63\},$  ogf]  
A099735 5.68456  $[ -(5*x^23+x^22-6*x^21-2*x^20-4*x^19+x^18+5*x^17-x^2+x+1)/(x^2+1)/(x-1)^3/(x+1)^3$  ogf]  
A099743 10.0248  $[ -x^2*(3*x-2)/(3*x-1)/(2*x-1)^3$  ogf]  
A099743 14.4850  $-3*(5-20*x+18*x^2)/(3*x-1)/(2*x-1)/(3*x-2)$  lgdogf  
A099743 4.07790  $[ \{(-6*n^2-66*n-108)*a(n+1)+(5*n^2+49*n+60)*a(n+2)+(-n^2-9*n-8)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\},$  ogf]  
A099745 5.25426  $[ -x^4*(81*x^3-137*x^2+72*x-12)/(2*x-1)^4/(3*x-1)^4$  ogf]  
A099745 8.46048  $-(9*x-4)*(5*x-2)*(54*x^2-73*x+21)/(3*x-1)/(2*x-1)/(81*x^3-137*x^2+72*x-12)$  lgdogf  
A099754 10.8975  $[ -(7*x^2-8*x+2)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A099754 5.97918  $[ \{-a(n+3)+6*a(n+2)-11*a(n+1)+6*a(n), a(0) = 2, a(1) = 4, a(2) = 9\},$  ogf]  
A099754 9.74212  $-2*(2-15*x+21*x^4-48*x^3+41*x^2)/(x-1)/(3*x-1)/(2*x-1)/(7*x^2-8*x+2)$  lgdogf  
A099760 3.00643  $[ \{(-2*n^2-2*n)*a(n)+(-3*n-3)*a(n+1)+(2*n^2+10*n+14)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 6\},$  ogf]  
A099761 15.2309  $-2*(32+33*x+x^3-6*x^2)/(x-1)/(x^3-5*x^2+19*x+9)$  lgdogf  
A099761 3.92665  $[ \{(-11*n^2-71*n-98)*a(n+1)+(32*n^2+192*n+288)*a(n+2)+(-21*n^2-81*n-78)*a(n+3), a(0) = 0, a(1) = 9, a(2) = 64\},$  ogf]  
A099761 7.89598  $[ -x*(x^3-5*x^2+19*x+9)/(x-1)^5$  ogf]  
A099762 14.4551  $-3*(9+33*x+x^3+17*x^2)/(x-1)/(x^3+12*x^2+15*x+2)$  lgdogf  
A099762 3.93323  $[ \{(-n^2-6*n-9)*a(n+1)+(5*n^2+37*n+86)*a(n+2)+(-4*n^2-16*n-16)*a(n+3), a(0) = 0, a(1) = 8, a(2) = 108\},$  ogf]  
A099762 6.90243  $[ 4*x*(x^3+12*x^2+15*x+2)/(x-1)^6$  ogf]  
A099764 14.9029  $-4*(4+18*x+x^3+12*x^2)/(x-1)/(x+1)/(x^2+8*x+1)$  lgdogf  
A099764 5.74729  $[ \{(n^2+8*n+16)*a(n+1)+(-n^2-2*n-1)*a(n+2), a(0) = 0, a(1) = 36\},$  ogf]  
A099764 6.04715  $[ -36*x*(x+1)*(x^2+8*x+1)/(x-1)^7$  ogf]  
A099770 10.5363  $-(1+3*x+x^6+16*x^5+2*x^4+10*x^3+13*x^7+2*x^2)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A099770 24.5541  $[ [x^5+x^3+x+1]$  ogf\_with\_Euler\_transform]  
A099770 8.68663  $[ 1/(x^2-x+1)/(x^2+x+1)/(x^2+1)/(x+1)^3/(x-1)^4$  ogf]  
A099776 13.2546  $[ -(x^2-2*x+5)/(x-1)^3$  ogf]  
A099776 25.5849  $-(13-2*x+x^2)/(x-1)/(x^2-2*x+5)$  lgdogf  
A099776 7.09239  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 13, a(2) = 25\},$  ogf]  
A099780 12.3803  $-3*(-1+6*x+4*x^3-11*x^2)/(3*x-1)/(2*x-1)/(x^2-4*x+1)$  lgdogf  
A099780 14.6136  $[ (3*x-1)/(2*x-1)/(x^2-4*x+1)$  ogf]  
A099780 6.91538  $[ \{a(n+3)-6*a(n+2)+9*a(n+1)-2*a(n), a(0) = 1, a(1) = 3, a(2) = 9\},$  ogf]  
A099781 11.4387  $[ (4*x-1)/(x^3-16*x^2+8*x-1)$  ogf]  
A099781 11.8657  $-(4+32*x-67*x^2+8*x^3)/(-1+4*x)/(x^3-16*x^2+8*x-1)$  lgdogf  
A099781 5.41835  $[ \{a(n+3)-8*a(n+2)+16*a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 16\},$  ogf]  
A099782 11.3448  $-2*(-2+16*x+8*x^3-35*x^2)/(-1+4*x)/(2*x^3-16*x^2+8*x-1)$  lgdogf  
A099782 11.7871  $[ (4*x-1)/(2*x^3-16*x^2+8*x-1)$  ogf]  
A099782 5.58337  $[ \{a(n+3)-8*a(n+2)+16*a(n+1)-2*a(n), a(0) = 1, a(1) = 4, a(2) = 16\},$  ogf]  
A099783 12.5111  $-3*(-1+6*x+6*x^3-12*x^2)/(-1+3*x)/(3*x^3-9*x^2+6*x-1)$  lgdogf  
A099783 12.7541  $[ (3*x-1)/(3*x^3-9*x^2+6*x-1)$  ogf]

A099783 6.03540 [ $\{a(n+3)-6a(n+2)+9a(n+1)-3a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A099784 11.0654 [  $-(2*x+1)/(2*x^3-4*x^2-4*x-1)$  ogf]  
A099784 12.5808  $-2*(-1-4*x-x^2+4*x^3)/(2*x+1)/(2*x^3-4*x^2-4*x-1)$  lgdogf  
A099784 5.23631 [ $\{-a(n+3)-4a(n+2)-4a(n+1)+2a(n), a(0) = 1, a(1) = -2, a(2) = 4\}$ , ogf]  
A099785 9.08710 [  $-(2*x-1)^2/(2*x^4+8*x^3-12*x^2+6*x-1)$  ogf]  
A099785 9.58329  $-2*(-1+6*x-12*x^2+4*x^3+4*x^4)/(2*x-1)/(2*x^4+8*x^3-12*x^2+6*x-1)$  lgdogf  
A099786 8.93125 [  $-(3*x-1)^2/(x^4+27*x^3-27*x^2+9*x-1)$  ogf]  
A099786 9.70693  $-(-3+27*x-81*x^2+77*x^3+6*x^4)/(3*x-1)/(x^4+27*x^3-27*x^2+9*x-1)$  lgdogf  
A099787 9.20328 [  $-(3*x-1)^2/(2*x^4+27*x^3-27*x^2+9*x-1)$  ogf]  
A099787 9.56055  $-(-3+27*x+12*x^4+73*x^3-81*x^2)/(3*x-1)/(2*x^4+27*x^3-27*x^2+9*x-1)$  lgdogf  
A099814 13.6466  $-1/200*(-101*x-11+(81*x+11)^{1/2}*(11*x+1)^{1/2}*11^{1/2})/x$  revogf  
A099814 19.6975 [  $11*x/(100*x-1)/(x-1)$  ogf]  
A099814 28.2344  $-(-101+200*x)/(100*x-1)/(x-1)$  lgdogf  
A099814 9.61973 [ $\{a(n+2)-101a(n+1)+100a(n), a(0) = 0, a(1) = 11\}$ , ogf]  
A099837 12.8300 [  $-(x-1)*(x+1)/(x^2+x+1)$  ogf]  
A099837 24.7528  $(1+4*x+x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A099837 25.0646 [ $x^2-x-1$  ogf\_with\_Euler\_transform]  
A099837 6.16343 [ $\{-a(n+3)-a(n+2)-a(n+1), a(0) = 1, a(1) = -1, a(2) = -1\}$ , ogf]  
A099838 13.1167 [  $(x+1)*(x-1)^2/(x^2+x+1)$  ogf]  
A099838 28.1056  $(2+6*x+3*x^2+x^3)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A099838 31.9366 [ $x^2-x-2$  ogf\_with\_Euler\_transform]  
A099838 7.08071 [ $\{a(n+4)+a(n+3)+a(n+2), a(0) = 1, a(1) = -2, a(2) = 0, a(3) = 3\}$ , ogf]  
A099839 13.8553  $-1/2*(-1+10*x+((20*x-1)*(-1+4*x))^{1/2})/(1+5*x)$  revogf  
A099839 14.0669 [  $-(x-1)/(5*x^2+10*x+1)$  ogf]  
A099839 17.5014  $-(-11-10*x+5*x^2)/(x-1)/(5*x^2+10*x+1)$  lgdogf  
A099839 7.70331 [ $\{a(n+2)+10a(n+1)+5a(n), a(0) = 1, a(1) = -11\}$ , ogf]  
A099840 10.8054 [ $\{-a(n+2)+20a(n), a(0) = 1, a(1) = -6\}$ , ogf]  
A099840 16.5403  $1/4*(-1+((20*x-1)*(-1+4*x))^{1/2})/(-3+10*x)$  revogf  
A099840 16.7226 [  $(6*x-1)/(20*x^2-1)$  ogf]  
A099840 19.1519  $-2*(3-20*x+60*x^2)/(x-1)/(20*x^2-1)$  lgdogf  
A099841 13.1273 [  $-(16*x-1)/(80*x^2-20*x+1)$  ogf]  
A099841 13.6406  $-1/32*(-1-20*x+((20*x-1)*(-1+4*x))^{1/2})/(1+5*x)$  revogf  
A099841 14.8531  $-4*(1-40*x+320*x^2)/(-1+16*x)/(80*x^2-20*x+1)$  lgdogf  
A099841 7.50131 [ $\{-a(n+2)+20a(n+1)-80a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A099842 15.2579  $1/2/(-1+3*x)*(-1+6*x+((12*x-1)*(-1+4*x))^{1/2})$  revogf  
A099842 15.4552 [  $(x-1)/(3*x^2-6*x-1)$  ogf]  
A099842 8.48151 [ $\{-a(n+2)-6a(n+1)+3a(n), a(0) = 1, a(1) = -7\}$ , ogf]  
A099843 16.4520 [  $(x-1)/(x^2-4*x-1)$  ogf]  
A099843 17.0243  $1/2/(x-1)*(-1+4*x+((-1+10*x)*(-1+2*x))^{1/2})$  revogf  
A099843 25.5364  $-(5-2*x+x^2)/(x-1)/(x^2-4*x-1)$  lgdogf  
A099843 9.02856 [ $\{-a(n+2)-4a(n+1)+a(n), a(0) = 1, a(1) = -5\}$ , ogf]  
A099844 10.4605 [  $1/(x^6-3*x^5+3*x^4-3*x^3+3*x^2-3*x+1)$  ogf]  
A099844 9.38301  $-3*(-1+2*x-3*x^2+4*x^3-5*x^4+2*x^5)/(3*x^2+1-3*x+3*x^4-3*x^3+x^6-3*x^5)$  lgdogf  
A099845 7.37564 [  $(x^2+1)^2/(x^6-3*x^5+3*x^4-3*x^3+3*x^2-3*x+1)$  ogf]  
A099845 7.65270  $-(-3+2*x+6*x^3-12*x^4+6*x^5-3*x^6+2*x^7)/(x^2+1)/(x^6-3*x^5+3*x^4-3*x^3+3*x^2-3*x+1)$  lgdogf  
A099846 10.7865  $-(-3+8*x+6*x^5-15*x^4+16*x^3-15*x^2)/(x^2-x+1)/(x^4-2*x^3+x^2-2*x+1)$  lgdogf  
A099846 11.5014 [  $1/(x^2-x+1)/(x^4-2*x^3+x^2-2*x+1)$  ogf]  
A099854 8.17162 [  $(x^2+1)^2/(x^2-x+1)/(x^4-2*x^3+x^2-2*x+1)$  ogf]  
A099854 8.29405  $-(-3+4*x+2*x^7-3*x^6+6*x^5-10*x^4+8*x^3-6*x^2)/(x^2+1)/(x^2-x+1)/(x^4-2*x^3+x^2-2*x+1)$  lgdogf  
A099855 13.0070 [  $x/(2*x^2-2*x+1)/(2*x-1)^2$  ogf]

A099855 16.7502  $-2*(3-8*x+8*x^2)/(-1+2*x)/(2*x^2-2*x+1)$  lgdogf  
A099856 18.0516  $[-(3*x+1)/(3*x-1)$  ogf]  
A099856 18.7108  $-1/6-1/2*x+1/6*(1+18*x+9*x^2)^(1/2)$  revogf  
A099856 36.3821  $-6/(3*x-1)/(3*x+1)$  lgdogf  
A099856 9.27653  $[{a(n+2)-3*a(n+1), a(0) = 1, a(1) = 6}],$  ogf]  
A099857 12.5615  $[(x^2+3*x+1)/(x^2-3*x+1)$  ogf]  
A099857 17.1731  $-6*(x-1)*(x+1)/(x^2+3*x+1)/(x^2-3*x+1)$  lgdogf  
A099857 6.46369  $[{-a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 6, a(2) = 18}],$  ogf]  
A099858 11.3331  $-2*(-3+x+3*x^4-7*x^3+x^5)/(1+x^2)/(3*x+1+x^2)/(x^2-3*x+1)$  lgdogf  
A099858 9.55316  $[(x^2+3*x+1)/(x^2+1)/(x^2-3*x+1)$  ogf]  
A099859 10.9874  $-(-1-3*x^6+4*x^7-2*x^2+4*x^3-6*x^4+8*x^5)/(1+x^2)/(x^6-x^5+x^4-x^3+x^2-x+1)$  lgdogf  
A099859 15.3806  $[x^{13}-x^6-x^3+1$  ogf\_with\_Euler\_transform]  
A099859 7.23573  $[x*(x^2+1)/(x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A099860 12.0693  $-(-1-2*x-4*x^4+2*x^3+2*x^7-x^6+6*x^5)/(x^2+1)/(x^6-x^5+x^4-x^3+x^2-x+1)$  lgdogf  
A099860 16.0675  $[x^{13}-x^6-2*x^3+x+1$  ogf\_with\_Euler\_transform]  
A099860 7.60388  $[(x^2+1)^2/(x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A099867 14.4249  $-1/2*(-1-5*x+(1+26*x+21*x^2)^(1/2))/(-4+x)$  revogf  
A099867 16.5259  $[(4*x+1)/(x^2-5*x+1)$  ogf]  
A099867 17.3098  $-(-9+2*x+4*x^2)/(4*x+1)/(x^2-5*x+1)$  lgdogf  
A099867 9.06907  $[{-a(n+2)+5*a(n+1)-a(n), a(0) = 1, a(1) = 9}],$  ogf]  
A099868 13.3109  $-1/2*(-3-5*x+(9+70*x+21*x^2)^(1/2))/(-10+x)$  revogf  
A099868 15.0624  $-(-25+6*x+10*x^2)/(10*x+3)/(x^2-5*x+1)$  lgdogf  
A099868 15.4048  $[(10*x+3)/(x^2-5*x+1)$  ogf]  
A099868 8.53760  $[{-a(n+2)+5*a(n+1)-a(n), a(0) = 3, a(1) = 25}],$  ogf]  
A099903 13.6048  $-6*(3+15*x+x^3+11*x^2)/(x-1)/(2*x^3+15*x^2+12*x+1)$  lgdogf  
A099903 3.83340  $[{(-4*n^2-32*n-64)*a(n+1)+(5*n^2+23*n+44)*a(n+2)+(-n^2-6*n-9)*a(n+3), a(0) = 2, a(1) = 36, a(2) = 216}],$  ogf]  
A099903 7.08005  $[2*(2*x^3+15*x^2+12*x+1)/(x-1)^6$  ogf]  
A099912 10.6000  $[(2*x^2-9*x+1)/(11*x-1)/(2*x-1)$  ogf]  
A099912 11.6576  $4*(1-10*x+43*x^2)/(11*x-1)/(-1+2*x)/(2*x^2-9*x+1)$  lgdogf  
A099912 5.55237  $[{a(n+3)-13*a(n+2)+22*a(n+1), a(0) = 1, a(1) = 4, a(2) = 32}],$  ogf]  
A099913 4.96714  $[{a(n+3)-10*a(n+2)-a(n+1)+10*a(n), a(0) = 1, a(1) = 3, a(2) = 25}],$  ogf]  
A099913 8.47642  $- (2*x+1)*(30*x^3+55*x^2-16*x+3)/(x-1)/(10*x-1)/(x+1)/(6*x^2+7*x-1)$  lgdogf  
A099913 9.06700  $[-(6*x^2+7*x-1)/(x-1)/(10*x-1)/(x+1)$  ogf]  
A099914 11.8075  $[(3*x+1)/(10*x-1)/(x-1)$  ogf]  
A099914 11.8128  $-1/2*(-11*x-1+(81*x^2+34*x+1)^(1/2))/(-3+10*x)$  revogf  
A099914 12.9378  $-2*(-7+10*x+15*x^2)/(x-1)/(3*x+1)/(10*x-1)$  lgdogf  
A099914 6.52884  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 1, a(1) = 14}],$  ogf]  
A099915 11.8075  $[(4*x+1)/(10*x-1)/(x-1)$  ogf]  
A099915 12.0753  $-1/4*(-11*x-1+(81*x^2+38*x+1)^(1/2))/(-2+5*x)$  revogf  
A099915 13.5847  $-5*(-3+4*x+8*x^2)/(x-1)/(1+4*x)/(10*x-1)$  lgdogf  
A099915 6.52884  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 1, a(1) = 15}],$  ogf]  
A099916 12.9375  $[(x^2+1)^2/(x^6-x^3+1)$  ogf]  
A099916 14.5830  $[x^{17}-x^8-x^5-2*x^3+x^2+2*x$  ogf\_with\_Euler\_transform]  
A099917 12.9375  $[(x^2+1)^2/(x^6+x^3+1)$  ogf]  
A099917 21.2834  $[x^8-2*x^3-x^2+2*x$  ogf\_with\_Euler\_transform]  
A099918 11.1638  $- (1-2*x+x^6+6*x^5+2*x^3+2*x^7+4*x^4)/(1+x^2)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A099918 18.6510  $[x^6-2*x^3+2*x-1$  ogf\_with\_Euler\_transform]  
A099918 6.93709  $[(x^2+1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A099919 13.3084  $[2*x/(x-1)/(x^2+4*x-1)$  ogf]  
A099919 17.8628  $-(-5+6*x+3*x^2)/(x-1)/(x^2+4*x-1)$  lgdogf  
A099919 5.34713  $[{a(n+3)-5*a(n+2)+3*a(n+1)+a(n), a(0) = 0, a(1) = 2, a(2) = 10}],$  ogf]  
A099920 10.7418  $[-x*(x-2)/(x^2+x-1)^2$  ogf]  
A099920 22.1819  $-(-3-7*x+3*x^2)/(x-2)/(x^2+x-1)$  lgdogf

A099920 3.58061 [  $\{(6+2^n)*a(n+4)+(-3^n-9)*a(n+3)+(-8-n)*a(n+2)+(n+3)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 3, a(3) = 8\}$ , ogf]  
A099921 13.6988  $-(1+4*x-5*x^2+2*x^3)/(x-1)/(x+1)/(x^2-3*x+1)$  lgdogf  
A099921 14.5493 [  $-5*(x-1)/(x+1)/(x^2-3*x+1)$  ogf]  
A099921 6.82400 [  $\{-a(n+3)+2*a(n+2)+2*a(n+1)-a(n), a(0) = 5, a(1) = 5, a(2) = 20\}$ , ogf]  
A099922 8.64481 [  $(x^2+8*x+1)/(x^2-7*x+1)/(x-1)^2$  ogf]  
A099922 9.72384  $-(17-13*x+2*x^4+17*x^3-123*x^2)/(x-1)/(x^2-7*x+1)/(x^2+8*x+1)$  lgdogf  
A099923 5.81172 [  $-(x^4+76*x^3-164*x^2-79*x+16)/(x-1)/(x^2+3*x+1)/(x^2-7*x+1)$  ogf]  
A099924 21.0180  $-2*(-1-4*x+x^2)/(x-2)/(x^2+x-1)$  lgdogf  
A099924 9.64380 [  $(x-2)^2/(x^2+x-1)^2$  ogf]  
A099925 14.9307 [  $(2*x^2-3)/(x+1)/(x^2+x-1)$  ogf]  
A099925 16.3751  $-x*(-8+2*x^3-9*x)/(x+1)/(2*x^2-3)/(x^2+x-1)$  lgdogf  
A099925 8.50891 [  $\{a(n+3)-2*a(n+1)-a(n), a(0) = 3, a(1) = 0, a(2) = 4\}$ , ogf]  
A099926 4.46302 [  $-(2*x+1)/(x+1)/(x^2+x-1)$  ogf]  
A099930 10.9109  $-4*(-3-15*x+x^3+9*x^2)/(x^2+14*x-1)/(x^2-2*x-1)$  lgdogf  
A099930 10.9197 [  $1/(x^2+14*x-1)/(x^2-2*x-1)$  ogf]  
A099931 7.74333  $-(29+348*x-116*x^3+5*x^4-522*x^2)/(x-1)/(x^2-34*x+1)/(x^2+6*x+1)$  lgdogf  
A099931 8.58314 [  $-1/(x-1)/(x^2-34*x+1)/(x^2+6*x+1)$  ogf]  
A099934 3.15913 [  $\{-a(n+1)+(n+4)*a(n+2)+(-n-5)*a(n+3)+a(n+4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 11\}$ , ogf]  
A099938 11.4294 [  $-2*(2*x^2-5*x+1)/(x-1)/(x^2-6*x+1)$  ogf]  
A099938 6.27098 [  $\{-a(n+3)+7*a(n+2)-7*a(n+1)+a(n), a(0) = 2, a(1) = 4, a(2) = 18\}$ , ogf]  
A099938 9.64958  $-2*(1-5*x+12*x^2-5*x^3+x^4)/(x-1)/(1-6*x+x^2)/(2*x^2-5*x+1)$  lgdogf  
A099942 11.8834 [  $(2*x+1)*(x^2+1)/(x-1)/(x+1)/(2*x^2-1)$  ogf]  
A099942 7.28701 [  $\{-a(n+4)+3*a(n+2)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$ , ogf]  
A099942 9.58947  $-2*(-1-4*x+2*x^6+2*x^5+9*x^4+4*x^3-6*x^2)/(x-1)/(2*x+1)/(x+1)/(2*x^2-1)/(x^2+1)$  lgdogf  
A099943 17.3890 [  $-2*(23*x-36)/(x-1)^2$  ogf]  
A099943 24.2944  $-(-36-x+(1296+26*x)^(1/2))/(46+x)$  revogf  
A099943 28.6327  $-(-49+23*x)/(-1+x)/(23*x-36)$  lgdogf  
A099943 9.72955 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 72, a(1) = 98\}$ , ogf]  
A099944 14.0950 [  $-4*(16*x-19)/(x-1)/(2*x-1)$  ogf]  
A099944 14.7564  $-1/4*(-76-3*x+(5776+200*x+x^2)^(1/2))/(32+x)$  revogf  
A099944 15.8361  $-(41-76*x+32*x^2)/(x-1)/(2*x-1)/(16*x-19)$  lgdogf  
A099944 7.79369 [  $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 76, a(1) = 164\}$ , ogf]  
A099945 13.2984 [  $-4*(40*x-47)/(x-1)/(2*x-1)$  ogf]  
A099945 13.8823  $-1/4*(-188-3*x+(35344+488*x+x^2)^(1/2))/(80+x)$  revogf  
A099945 14.8509  $-(101-188*x+80*x^2)/(x-1)/(40*x-47)/(2*x-1)$  lgdogf  
A099945 7.57698 [  $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 188, a(1) = 404\}$ , ogf]  
A099953 4.27276 [  $\{(2^n+5)*a(n+1)+(-2^n-6)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A099976 4.21635 [  $\{(-32*n^2-128*n-126)*a(n+1)+(2*n^2+9*n+10)*a(n+2), a(0) = 2, a(1) = 20\}$ , ogf]  
A100019 15.0058  $-2*(14+33*x+x^3+12*x^2)/(x-1)/(x+3)/(x^2+4*x+1)$  lgdogf  
A100019 3.84866 [  $\{(-8*n^2-41*n-50)*a(n+1)+(-19*n^2-210*n-471)*a(n+2)+(27*n^2+111*n+114)*a(n+3), a(0) = 0, a(1) = 3, a(2) = 28\}$ , ogf]  
A100019 7.78099 [  $-x*(x+3)*(x^2+4*x+1)/(x-1)^5$  ogf]  
A100024 7.17705  $-(7+22*x-41*x^6+246*x^5-55*x^4+260*x^3+16*x^7+57*x^2)/(x-1)/(x+1)/(x^6-3*x^5+15*x^4-10*x^3+15*x^2-3*x+1)$  lgdogf  
A100033 4.27195 [  $\{(-32*n^2-160*n-198)*a(n+1)+(2*n^2+11*n+15)*a(n+2), a(0) = 3, a(1) = 35\}$ , ogf]  
A100033 7.43718  $-1/128*(-3-48*x-128*x^4-256*x^3-176*x^2+(9+32*x+32*x^2)^(1/2))/(2*x+1)^4$  revogf  
A100036 7.53881 [  $-(x^7-x^6+2*x^5+x^4-x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]



A100036 9.05364  $(-2-4*x-6*x^2+3*x^3-3*x^4-2*x^5-11*x^6+2*x^7-2*x^8)/(x-1)/(x+1)/(x^7-x^6+2*x^5+x^4-x^2+x+1)$  lgdogf  
A100037 13.4540  $[-(3*x^2-3*x+4)/(x-1)^3$  ogf]  
A100037 26.8403  $-3*(3+x^2)/(x-1)/(3*x^2-3*x+4)$  lgdogf  
A100037 7.26278  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 4, a(1) = 9, a(2) = 18},$  ogf]  
A100038 12.8950  $[-(6*x^2-13*x+11)/(x-1)^3$  ogf]  
A100038 20.4354  $-2*(10-7*x+3*x^2)/(x-1)/(6*x^2-13*x+11)$  lgdogf  
A100038 7.06419  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 11, a(1) = 20, a(2) = 33},$  ogf]  
A100039 12.8138  $[-(13*x^2-31*x+22)/(x-1)^3$  ogf]  
A100039 20.1170  $-(35-36*x+13*x^2)/(x-1)/(13*x^2-31*x+22)$  lgdogf  
A100039 7.13115  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 22, a(1) = 35, a(2) = 52},$  ogf]  
A100040 12.7303  $[(4*x^2-13*x+5)/(x-1)^3$  ogf]  
A100040 21.1238  $-2*(1-9*x+2*x^2)/(x-1)/(4*x^2-13*x+5)$  lgdogf  
A100040 7.04715  $[{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = -5, a(1) = -2, a(2) = 5},$  ogf]  
A100041 13.4330  $[(2*x-1)*(3*x-7)/(x-1)^3$  ogf]  
A100041 21.1555  $-2*(2-11*x+3*x^2)/(x-1)/(2*x-1)/(3*x-7)$  lgdogf  
A100041 7.43615  $[{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = -7, a(1) = -4, a(2) = 3},$  ogf]  
A100047 11.4226  $[-x*(x-1)*(x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A100047 16.1243  $-(1-4*x+2*x^2-x^3-4*x^4+4*x^5)/(x-1)/(x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
A100047 22.4432  $[x^9-x^4-2*x+1$  ogf\_with\_Euler\_transform]  
A100048 11.1583  $[-x*(x-1)*(x+1)/(x^4-2*x^3+x^2-2*x+1)$  ogf]  
A100048 11.1660  $-2*(1-2*x+x^2-x^3-4*x^4+4*x^5)/(x-1)/(x+1)/(x^4-2*x^3+x^2-2*x+1)$  lgdogf  
A100049 10.2228  $[-(x-1)*(x+1)*(x^2+1)^2/(x^6+2*x^4-x^3+2*x^2+1)$  ogf]  
A100049 11.1942  $x*(2+10*x^4-3*x^5-3*x+10*x^2+2*x^3+2*x^6)/(x-1)/(x+1)/(x^2+1)/(x^6+2*x^4-x^3+2*x^2+1)$  lgdogf  
A100050 13.8453  $[-x*(x-1)*(x+1)/(x^2-x+1)^2$  ogf]  
A100050 27.2015  $[2*x^5-2*x^2-3*x+2$  ogf\_with\_Euler\_transform]  
A100050 31.7145  $-2*(1-3*x+x^3)/(x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A100050 5.20199  $[{(n^2+5*n+6)*a(n+1)+(-n^2-4*n-3)*a(n+2)+(n^2+3*n+2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 2},$  ogf]  
A100051 13.4811  $[-(x-1)*(x+1)/(x^2-x+1)$  ogf]  
A100051 19.9552  $[x^5-x^2-2*x+1$  ogf\_with\_Euler\_transform]  
A100051 23.6192  $-(1-4*x+x^2)/(x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A100051 6.47624  $[{a(n+3)-a(n+2)+a(n+1), a(0) = 1, a(1) = 1, a(2) = -1},$  ogf]  
A100052 14.4818  $-3*(1-x-2*x^2-x^3+x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A100052 20.3877  $[2*x^5-3*x^2-3*x+3$  ogf\_with\_Euler\_transform]  
A100052 8.77358  $[-(x-1)*(x+1)*(x^2+x+1)/(x^2-x+1)^2$  ogf]  
A100058 17.6114  $[1/(2*x^3-x^2-3*x+1)$  ogf]  
A100058 18.7820  $-(-3-2*x+6*x^2)/(-x^2+1-3*x+2*x^3)$  lgdogf  
A100058 5.76655  $[{a(n+3)-3*a(n+2)-a(n+1)+2*a(n), a(0) = 1, a(1) = 3, a(2) = 10},$  ogf]  
A100059 5.14675  $[{-a(n+3)+3*a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = 5, a(2) = 14},$  ogf]  
A100059 9.53415  $[-(2*x^2-2*x-1)/(2*x^3-x^2-3*x+1)$  ogf]  
A100059 9.80812  $-(5-2*x-8*x^3+4*x^4+2*x^5)/(2*x^2-2*x-1)/(2*x^3-x^2-3*x+1)$  lgdogf  
A100061 3.84566  $[-(81*x^2+9*x+1)*(531441*x^6+729*x^3+1)/(9*x-1)/(4782969*x^8+1062882*x^7+177147*x^6+26244*x^5+3645*x^4+486*x^3+63*x^2+8*x+1)$  ogf]  
A100062 10.6721  $[{a(n+1)-9*a(n), a(0) = 9},$  ogf]  
A100062 22.1980  $[-9/(9*x-1)$  ogf]  
A100062 49.3991  $1/9*\ln(x+1)$  revegf  
A100062 54.3390  $-9/(9*x-1)$  lgdogf  
A100063 14.4468  $[-(x^2+1)*(x+1)/(x-1)/(x^2+x+1)$  ogf]

A100063 14.9160  $-(1+2*x+2*x^3+x^4+6*x^2)/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)$  lgdogf  
A100063 24.8915  $[[-x^3+x^2+1]$  ogf\_with\_Euler\_transform]  
A100063 8.57776  $[{-a(n+4)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2}]$ , ogf]  
A100066 18.9298  $-(-1-4*x+8*x^2)/(x-1)/(2*x+1)/(2*x+1)$  lgdogf  
A100066 3.64651  $[{(-3-n)*a(n+4)+(n+3)*a(n+3)+(4*n+8)*a(n+2)+(-8-4*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 3}]$ , ogf]  
A100071 24.4195  $-2*(4*x+1)/(-1+2*x)/(2*x+1)$  lgdogf  
A100071 5.03480  $[{(-2-n)*a(n+3)+2*a(n+2)+(8+4*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 2}]$ , ogf]  
A100087 5.17722  $[{-20*a(n)*n+8*a(n+1)*n+(5*n+15)*a(n+2)+(-2*n-6)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 4}]$ , ogf]  
A100088 12.6365  $[(x-1)*(x+1)/(2*x-1)/(x^2+1)$  ogf]  
A100088 14.4142  $-2*(-1+2*x-4*x^2+x^4)/(x-1)/(2*x-1)/(x+1)/(x^2+1)$  lgdogf  
A100088 6.43108  $[{a(n+3)-2*a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 2}]$ , ogf]  
A100098 13.5379  $1/2/(1+2*x+10*x^2)*(-1-x+3*(1+2*x+9*x^2)^(1/2))*x$  revogf  
A100098 3.38414  $[{(20*n+40)*a(n+1)+(-8*n-26)*a(n+2)+(-5*n-16)*a(n+3)+(2*n+8)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 7}]$ , ogf]  
A100098 9.34307  $1/2*(-40*x^2+18*x+1+3*(-(2*x-1)*(2*x+1))^(1/2))/(5*x-2)/(2*x-1)/(2*x+1)$  lgdogf  
A100102 10.6106  $[-(13*x^2-9*x+2)/(4*x-1)/(x-1)^2$  ogf]  
A100102 12.4066  $-(-3+7*x+52*x^3-20*x^2)/(x-1)/(4*x-1)/(13*x^2-9*x+2)$  lgdogf  
A100102 5.82173  $[{a(n+3)-6*a(n+2)+9*a(n+1)-4*a(n), a(0) = 2, a(1) = 3, a(2) = 13}]$ , ogf]  
A100103 10.7845  $[-(9*x^2-4*x+1)/(4*x-1)/(x-1)^2$  ogf]  
A100103 12.9029  $-2*(-1-x+18*x^3+2*x^2)/(x-1)/(4*x-1)/(9*x^2-4*x+1)$  lgdogf  
A100103 5.82173  $[{a(n+3)-6*a(n+2)+9*a(n+1)-4*a(n), a(0) = 1, a(1) = 2, a(2) = 12}]$ , ogf]  
A100104 10.7463  $[(x^3+7*x^2-3*x+1)/(x-1)^4$  ogf]  
A100104 18.8935  $-(1+5*x+x^3+17*x^2)/(x-1)/(x^3+7*x^2-3*x+1)$  lgdogf  
A100104 4.35507  $[{(-169*n^2-809*n-942)*a(n+1)+(218*n^2+600*n+234)*a(n+2)+(-49*n^2-151*n-12)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 5}]$ , ogf]  
A100109 10.4849  $[-(2*x^3-9*x^2+2*x-1)/(x-1)^4$  ogf]  
A100109 16.8593  $-2*(-1-6*x+x^3-6*x^2)/(x-1)/(2*x^3-9*x^2+2*x-1)$  lgdogf  
A100109 4.41168  $[{(11*n^2+63*n+82)*a(n+1)+(-16*n^2-64*n-52)*a(n+2)+(5*n^2+19*n+12)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 11}]$ , ogf]  
A100119 17.5584  $-(-2-4*x-7*x^2+x^3)/(x-1)/(x^3-5*x^2+2*x-1)$  lgdogf  
A100119 4.05242  $[{(137*n^2+765*n+982)*a(n+1)+(-192*n^2-708*n-476)*a(n+2)+(55*n^2+189*n+72)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 7}]$ , ogf]  
A100119 9.99948  $[-(x^3-5*x^2+2*x-1)/(x-1)^4$  ogf]  
A100130 11.3492  $[-(24*x^2-24*x+24)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A100131 13.0914  $[(2*x-1)/(x^2+2*x-1)/(x-1)^2$  ogf]  
A100131 14.7878  $-2*(1-3*x+3*x^3+x^2)/(x-1)/(2*x-1)/(x^2+2*x-1)$  lgdogf  
A100131 3.54003  $[{(n+3)*a(n+1)+(n+4)*a(n+2)+(-3*n-7)*a(n+3)+(n+2)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8}]$ , ogf]  
A100132 11.6969  $-2*(-1+4*x+6*x^4-4*x^3-4*x^2)/(2*x-1)/(2*x^4-4*x^2+4*x-1)$  lgdogf  
A100132 12.8339  $[(2*x-1)/(2*x^4-4*x^2+4*x-1)$  ogf]  
A100133 11.1658  $-2*(-1+4*x-4*x^2-6*x^3+9*x^4)/(2*x-1)/(3*x^4-4*x^2+4*x-1)$  lgdogf  
A100133 12.2600  $[(2*x-1)/(3*x^4-4*x^2+4*x-1)$  ogf]  
A100134 10.7459  $-(-1+3*x+4*x^6-6*x^5+x^3-3*x^2)/(x-1)/(x^2+x-1)/(x^4-x^3+2*x^2-2*x+1)$  lgdogf  
A100134 10.9597  $[-(x-1)^2/(x^2+x-1)/(x^4-x^3+2*x^2-2*x+1)$  ogf]  
A100135 10.8601  $[-(x-1)^2/(2*x^6+x^3-3*x^2+3*x-1)$  ogf]  
A100135 11.8515  $-(-1+3*x+8*x^6-12*x^5-3*x^2+x^3)/(x-1)/(2*x^6+x^3-3*x^2+3*x-1)$  lgdogf  
A100136 10.9374  $[-(x-1)^2/(3*x^6+x^3-3*x^2+3*x-1)$  ogf]  
A100136 11.7498  $-(-1+3*x+12*x^6-18*x^5+x^3-3*x^2)/(x-1)/(3*x^6+x^3-3*x^2+3*x-1)$  lgdogf  
A100137 10.4001  $[-(2*x-1)^2/(x^2+2*x-1)/(x^4-2*x^3+5*x^2-4*x+1)$  ogf]  
A100137 8.92837  $-2*(-1+6*x+4*x^6-3*x^5+8*x^3-12*x^2)/(2*x-1)/(x^2+2*x-1)/(x^4-2*x^3+5*x^2-4*x+1)$  lgdogf

A100138 10.0578 [  $-(2*x-1)^2/(2*x^6+8*x^3-12*x^2+6*x-1)$  ogf]  
A100138 9.72456  $-2*(-1+6*x+8*x^6-6*x^5+8*x^3-12*x^2)/(2*x-1)/$   
 $(2*x^6+8*x^3-12*x^2+6*x-1)$  lgdogf  
A100139 10.2036 [  $-(2*x-1)^2/(3*x^6+8*x^3-12*x^2+6*x-1)$  ogf]  
A100139 9.73121  $-2*(-1+6*x-9*x^5+12*x^6+8*x^3-12*x^2)/(2*x-1)/$   
 $(3*x^6+8*x^3-12*x^2+6*x-1)$  lgdogf  
A100145 16.1197  $-6*(20+93*x+35*x^2)/(x-1)/(105*x^2+116*x+1)$  lgdogf  
A100145 9.68508 [  $(105*x^2+116*x+1)/(x-1)^4$  ogf]  
A100146 15.4308  $-2*(24+101*x+35*x^2)/(x-1)/(35*x^2+44*x+1)$  lgdogf  
A100146 9.32332 [  $(35*x^2+44*x+1)/(x-1)^4$  ogf]  
A100147 16.0846  $-6*(5+20*x+7*x^2)/(x-1)/(21*x^2+26*x+1)$  lgdogf  
A100147 9.03045 [  $(21*x^2+26*x+1)/(x-1)^4$  ogf]  
A100148 16.0607  $-6*(10+45*x+17*x^2)/(x-1)/(51*x^2+56*x+1)$  lgdogf  
A100148 9.46977 [  $(51*x^2+56*x+1)/(x-1)^4$  ogf]  
A100149 15.8180  $-4*(6+23*x+8*x^2)/(x-1)/(16*x^2+20*x+1)$  lgdogf  
A100149 8.88401 [  $(16*x^2+20*x+1)/(x-1)^4$  ogf]  
A100150 15.0464  $-2*(12+47*x+17*x^2)/(x-1)/(17*x^2+20*x+1)$  lgdogf  
A100150 8.88401 [  $(17*x^2+20*x+1)/(x-1)^4$  ogf]  
A100151 16.0607  $-4*(15+68*x+26*x^2)/(x-1)/(52*x^2+56*x+1)$  lgdogf  
A100151 9.46977 [  $(52*x^2+56*x+1)/(x-1)^4$  ogf]  
A100152 15.5514  $-4*(6+20*x+5*x^2)/(x-1)/(10*x^2+20*x+1)$  lgdogf  
A100152 8.73756 [  $(10*x^2+20*x+1)/(x-1)^4$  ogf]  
A100153 16.4623  $-12*(5+21*x+7*x^2)/(x-1)/(42*x^2+56*x+1)$  lgdogf  
A100153 9.46977 [  $(42*x^2+56*x+1)/(x-1)^4$  ogf]  
A100154 16.0607  $-12*(2*x+5)*(4*x+1)/(x-1)/(48*x^2+56*x+1)$  lgdogf  
A100154 9.46977 [  $(48*x^2+56*x+1)/(x-1)^4$  ogf]  
A100155 15.7291  $-2*(x+3)*(13*x+4)/(x-1)/(13*x^2+20*x+1)$  lgdogf  
A100155 8.83520 [  $(13*x^2+20*x+1)/(x-1)^4$  ogf]  
A100156 16.0414  $-4*(3+7*x+x^2)/(-1+x)/(2*x^2+8*x+1)$  lgdogf  
A100156 8.33787 [  $(2*x^2+8*x+1)/(x-1)^4$  ogf]  
A100157 15.0486  $-2*(7+20*x+5*x^2)/(x-1)/(5*x^2+10*x+1)$  lgdogf  
A100157 8.36729 [  $(5*x^2+10*x+1)/(x-1)^4$  ogf]  
A100158 15.6783  $-2*(31+138*x+51*x^2)/(x-1)/(51*x^2+58*x+1)$  lgdogf  
A100158 9.46977 [  $(51*x^2+58*x+1)/(x-1)^4$  ogf]  
A100159 15.7609  $-2*(31+142*x+55*x^2)/(x-1)/(55*x^2+58*x+1)$  lgdogf  
A100159 9.51858 [  $(55*x^2+58*x+1)/(x-1)^4$  ogf]  
A100160 16.1453  $-2*(31+144*x+57*x^2)/(x-1)/(57*x+1)/(x+1)$  lgdogf  
A100160 9.51858 [  $(x+1)*(57*x+1)/(x-1)^4$  ogf]  
A100161 15.1309  $-2*(13+50*x+17*x^2)/(x-1)/(17*x^2+22*x+1)$  lgdogf  
A100161 8.93282 [  $(17*x^2+22*x+1)/(x-1)^4$  ogf]  
A100162 15.2154  $-2*(13+52*x+19*x^2)/(x-1)/(19*x^2+22*x+1)$  lgdogf  
A100162 8.98163 [  $(19*x^2+22*x+1)/(x-1)^4$  ogf]  
A100163 15.5958  $-2*(13+54*x+21*x^2)/(x-1)/(21*x+1)/(1+x)$  lgdogf  
A100163 8.98163 [  $(x+1)*(21*x+1)/(x-1)^4$  ogf]  
A100164 15.3000  $-2*(16+63*x+21*x^2)/(x-1)/(21*x^2+28*x+1)$  lgdogf  
A100164 9.03045 [  $(21*x^2+28*x+1)/(x-1)^4$  ogf]  
A100165 15.4690  $-2*(16+67*x+25*x^2)/(x-1)/(25*x^2+28*x+1)$  lgdogf  
A100165 9.12807 [  $(25*x^2+28*x+1)/(x-1)^4$  ogf]  
A100166 15.7609  $-2*(31+140*x+53*x^2)/(x-1)/(53*x^2+58*x+1)$  lgdogf  
A100166 9.51858 [  $(53*x^2+58*x+1)/(x-1)^4$  ogf]  
A100167 9.17689 [  $(25*x^2+34*x+1)/(x-1)^4$  ogf]  
A100168 9.17689 [  $(28*x^2+34*x+1)/(x-1)^4$  ogf]  
A100169 16.0909  $-4*(23+104*x+38*x^2)/(x-1)/(76*x^2+88*x+1)$  lgdogf  
A100169 9.71383 [  $(76*x^2+88*x+1)/(x-1)^4$  ogf]  
A100170 16.0909  $-4*(23+107*x+41*x^2)/(x-1)/(82*x^2+88*x+1)$  lgdogf  
A100170 9.71383 [  $(82*x^2+88*x+1)/(x-1)^4$  ogf]  
A100171 14.5561  $-2*(7+25*x+10*x^2)/(x-1)/(10*x^2+10*x+1)$  lgdogf  
A100171 8.39587 [  $(10*x^2+10*x+1)/(x-1)^4$  ogf]  
A100172 15.8558  $-4*(8+35*x+14*x^2)/(x-1)/(28*x^2+28*x+1)$  lgdogf  
A100172 9.12807 [  $(28*x^2+28*x+1)/(x-1)^4$  ogf]  
A100173 15.8558  $-4*(8+34*x+13*x^2)/(x-1)/(26*x^2+28*x+1)$  lgdogf

A100173 9.12807 [ (26\*x^2+28\*x+1)/(x-1)^4 ogf]  
A100174 15.2310 -2\*(3\*x+7)\*(3\*x+1)/(x-1)/(9\*x+1)/(x+1) lgdogf  
A100174 8.46631 [ (x+1)\*(9\*x+1)/(x-1)^4 ogf]  
A100175 23.6574 -4\*(2+x)/(2\*x+1)/(-1+x) lgdogf  
A100175 3.69526 [ {(n+3)\*a(n+3)+(-6+n)\*a(n+2)+(-6-2\*n)\*a(n+1), a(0) = 1, a(1) = 8, a(2) = 30}, ogf]  
A100175 8.08672 [ (2\*x+1)^2/(x-1)^4 ogf]  
A100176 10.5233 [ (5\*x^2+12\*x+1)/(x-1)^4 ogf]  
A100176 19.0048 -2\*(8+23\*x+5\*x^2)/(x-1)/(5\*x^2+12\*x+1) lgdogf  
A100177 10.9552 [ -(4\*x^3+8\*x^2-x+1)/(x-1)^5 ogf]  
A100177 20.3947 -4\*(1+3\*x+2\*x^3+9\*x^2)/(x-1)/(4\*x^3+8\*x^2-x+1) lgdogf  
A100177 5.15192 [ {(-58\*n^2-358\*n-552)\*a(n+1)+(65\*n^2+156\*n-80)\*a(n+2)+(-7\*n^2-2\*n+57)\*a(n+3), a(0) = 1, a(1) = 4, a(2) = 18}, ogf]  
A100178 12.4283 [ (x+1)\*(3\*x+1)/(x-1)^4 ogf]  
A100178 14.7060 -2\*(4+9\*x+3\*x^2)/(-1+x)/(1+3\*x)/(x+1) lgdogf  
A100178 4.30932 [ {(n+4)\*a(n+4)+(1+3\*n)\*a(n+3)+(-20-n)\*a(n+2)+(-9-3\*n)\*a(n+1), a(0) = 1, a(1) = 8, a(2) = 29, a(3) = 72}, ogf]  
A100179 15.3070 -(9+23\*x+8\*x^2)/(-1+x)/(4\*x+1)/(x+1) lgdogf  
A100179 8.18719 [ (x+1)\*(4\*x+1)/(x-1)^4 ogf]  
A100182 13.6499 [ (2\*x^2+4\*x+1)/(x-1)^4 ogf]  
A100182 26.4723 -4\*(2+x^2+4\*x)/(-1+x)/(1+4\*x+2\*x^2) lgdogf  
A100182 4.73289 [ {(n+4)\*a(n+4)+(1+3\*n)\*a(n+3)+(-20-2\*n)\*a(n+2)+(-6-2\*n)\*a(n+1), a(0) = 1, a(1) = 8, a(2) = 28, a(3) = 68}, ogf]  
A100183 15.7884 -4\*(3+8\*x+2\*x^2)/(x-1)/(4\*x^2+8\*x+1) lgdogf  
A100183 8.43832 [ (4\*x^2+8\*x+1)/(x-1)^4 ogf]  
A100184 15.2310 -4\*(4+12\*x+3\*x^2)/(x-1)/(6\*x^2+12\*x+1) lgdogf  
A100184 8.46631 [ (6\*x^2+12\*x+1)/(x-1)^4 ogf]  
A100185 13.0518 -2\*(2+7\*x+3\*x^3+18\*x^2)/(x-1)/(3\*x^3+9\*x^2-x+1) lgdogf  
A100185 7.21033 [ -(3\*x^3+9\*x^2-x+1)/(x-1)^5 ogf]  
A100186 15.0182 -2\*(3\*x+8)\*(3\*x+1)/(x-1)/(9\*x^2+12\*x+1) lgdogf  
A100186 8.56533 [ (9\*x^2+12\*x+1)/(x-1)^4 ogf]  
A100187 14.9027 -2\*(9+32\*x+11\*x^2)/(x-1)/(11\*x^2+14\*x+1) lgdogf  
A100187 8.59113 [ (11\*x^2+14\*x+1)/(x-1)^4 ogf]  
A100188 14.0242 -2\*(-3-9\*x+x^3-9\*x^2)/(x-1)/(x^3-7\*x^2-x-1) lgdogf  
A100188 7.09083 [ (x^3-7\*x^2-x-1)/(x-1)^5 ogf]  
A100189 13.8630 -2\*(3+9\*x+7\*x^3+21\*x^2)/(x-1)/(1+x)/(7\*x^2+1) lgdogf  
A100189 3.75115 [ {(-4\*n^2-25\*n-39)\*a(n+1)+(4\*n^2+6\*n-22)\*a(n+2)+(3\*n+9)\*a(n+3), a(0) = 1, a(1) = 6, a(2) = 27}, ogf]  
A100189 7.32984 [ -(x+1)\*(7\*x^2+1)/(x-1)^5 ogf]  
A100190 10.3272 [ (9\*x^2+12\*x+1)/(3\*x-1)^2/(x-1)^2 ogf]  
A100190 11.0302 -2\*(-10-27\*x+27\*x^3+54\*x^2)/(x-1)/(3\*x-1)/(9\*x^2+12\*x+1) lgdogf  
A100191 10.1593 -(6+2\*x+4\*x^4-12\*x^3+9\*x^2)/(2\*x^2-3\*x-1)/(2\*x^3-3\*x^2-3\*x+1) lgdogf  
A100191 12.2846 [ -(2\*x^2-3\*x-1)/(2\*x^3-3\*x^2-3\*x+1) ogf]  
A100191 6.63153 [ {a(n+3)-3\*a(n+2)-3\*a(n+1)+2\*a(n), a(0) = 1, a(1) = 6, a(2) = 19}, ogf]  
A100206 13.9519 [ -x\*(x-7)/(x-1)/(2\*x-1) ogf]  
A100206 16.4253 -1/2\*(-7-3\*x+(49+38\*x+x^2)^(1/2))/(2\*x+1) revogf  
A100206 18.7066 -2\*(10-14\*x+x^2)/(x-1)/(x-7)/(2\*x-1) lgdogf  
A100206 6.70236 [ {a(n+3)-3\*a(n+2)+2\*a(n+1), a(0) = 0, a(1) = 7, a(2) = 20}, ogf]  
A100207 10.3878 [ -2\*(x^3-6\*x^2-5\*x-2)/(x-1)^4 ogf]  
A100207 17.9107 -(-13-27\*x+x^3-9\*x^2)/(x-1)/(x^3-6\*x^2-5\*x-2) lgdogf  
A100207 4.10318 [ {(-823\*n^2-4665\*n-6038)\*a(n+1)+(458\*n^2-1072\*n-6238)\*a(n+2)+(365\*n^2+2173\*n+3234)\*a(n+3), a(0) = 4, a(1) = 26, a(2) = 92}, ogf]  
A100212 10.1670 -(5-8\*x-68\*x^4+32\*x^3+40\*x^6+64\*x^5-2\*x^2)/(x+2)/(2\*x^2-1)/(2\*x^2-2\*x+1)/(2\*x^2+1) lgdogf  
A100212 9.58391 [ -4\*x^4\*(x+2)/(2\*x^2-1)/(2\*x^2-2\*x+1)/(2\*x^2+1) ogf]  
A100213 6.39116 [ -(16\*x^6-16\*x^5+8\*x^4-2\*x^2+7\*x-4)/(2\*x-1)/(2\*x^2-1)/(2\*x^2-2\*x+1)/(2\*x^2+1) ogf]  
A100214 11.5140 [ 4\*(7\*x^2-2\*x+1)/(x-1)^4 ogf]  
A100214 21.9814 -2\*(1+4\*x+7\*x^2)/(x-1)/(7\*x^2-2\*x+1) lgdogf

A100214 3.99001 [  $\{(n+4)*a(n+4)+(-11-3*n)*a(n+3)+(10+9*n)*a(n+2)+(-21-7*n)*a(n+1), a(0) = 4, a(1) = 8, a(2) = 36, a(3) = 112\}$ , ogf]  
A100215 5.33404 [  $\{-a(n+3)+4*a(n+2)-6*a(n+1)+4*a(n), a(0) = 4, a(1) = 9, a(2) = 14\}$ , ogf]  
A100215 9.06581  $-(9-44*x+8*x^4-56*x^3+82*x^2)/(2*x-1)/(2*x^2-7*x+4)/(2*x^2-2*x+1)$  lgdogf  
A100215 9.88110 [  $-(2*x^2-7*x+4)/(2*x-1)/(2*x^2-2*x+1)$  ogf]  
A100216 12.2821  $-2*(-2+7*x-8*x^2+2*x^4)/(x-1)/(2*x-1)/(x+1)/(2*x^2-2*x+1)$  lgdogf  
A100216 12.5253 [  $(x-1)*(x+1)/(2*x-1)/(2*x^2-2*x+1)$  ogf]  
A100216 6.37448 [  $\{a(n+3)-4*a(n+2)+6*a(n+1)-4*a(n), a(0) = 1, a(1) = 4, a(2) = 9\}$ , ogf]  
A100219 19.1381  $-x*(4+4*x^2-7*x)/(x-1)/(2*x-1)/(x^2-x+1)$  lgdogf  
A100219 4.73901 [  $\{a(n+3)-2*a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = -2\}$ , ogf]  
A100219 9.92509 [  $(2*x-1)/(x-1)/(x^2-x+1)$  ogf]  
A100223 10.7290  $1/2*(-3*x+1+2*x*(1-2*x+5*x^2)^(1/2)-(1-2*x+5*x^2)^(1/2))/(1-2*x+5*x^2)^(1/2)/(x-1)/x$  lgdogf  
A100223 4.16640 [  $\{(15*n^2-15*n)*a(n)+(-11*n^2-13*n)*a(n+1)+(5*n^2+13*n+6)*a(n+2)+(-n^2-5*n-6)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 1\}$ , ogf]  
A100225 11.8730  $1/2*(1-4*x+2*x*(1+8*x^2)^(1/2)-(1+8*x^2)^(1/2))/(1+8*x^2)^(1/2)/(x-1)/x$  lgdogf  
A100225 3.76955 [  $\{(32*n^2-32*n)*a(n)+(-8*n^2-16*n)*a(n+1)+(4*n^2+8*n)*a(n+2)+(-n^2-5*n-6)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A100227 11.1121  $-(-1-4*x+3*x^4-4*x^3+10*x^2)/(x-1)/(3*x^2-2*x+1)/(x^2+2*x-1)$  lgdogf  
A100227 12.8352 [  $(3*x^2-2*x+1)/(x-1)/(x^2+2*x-1)$  ogf]  
A100227 6.99062 [  $\{-a(n+3)+3*a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$ , ogf]  
A100228 3.80331 [  $\{(65*n^2-65*n)*a(n)+(-3*n^2-21*n)*a(n+1)+(3*n^2+3*n-6)*a(n+2)+(-n^2-5*n-6)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 3\}$ , ogf]  
A100228 9.26534  $1/2*(-5*x+1+2*x*(1+2*x+13*x^2)^(1/2)-(1+2*x+13*x^2)^(1/2))/(1+2*x+13*x^2)^(1/2)/(x-1)/x$  lgdogf  
A100230 10.3541  $-(-2-4*x+15*x^2-4*x^3+4*x^4)/(x-1)/(4*x^2-2*x+1)/(x^2+3*x-1)$  lgdogf  
A100230 10.3954 [  $(4*x^2-2*x+1)/(x-1)/(x^2+3*x-1)$  ogf]  
A100230 5.61167 [  $\{-a(n+3)+4*a(n+2)-2*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 10\}$ , ogf]  
A100231 3.72042 [  $\{(-120*n^2+120*n)*a(n)+(-4*n^2+28*n)*a(n+1)+(-2*n^2+2*n+12)*a(n+2)+(n^2+5*n+6)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 4\}$ , ogf]  
A100231 9.23058  $1/2*(-6*x+1+2*(1+4*x+20*x^2)^(1/2)*x-(1+4*x+20*x^2)^(1/2))/(x-1)/(1+4*x+20*x^2)^(1/2)/x$  lgdogf  
A100233 10.0858  $-(-3-4*x+22*x^2-4*x^3+5*x^4)/(x-1)/(5*x^2-2*x+1)/(x^2+4*x-1)$  lgdogf  
A100233 12.1368 [  $(5*x^2-2*x+1)/(x-1)/(x^2+4*x-1)$  ogf]  
A100233 6.55170 [  $\{-a(n+3)+5*a(n+2)-3*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 17\}$ , ogf]  
A100234 3.55715 [  $\{(-203*n^2+203*n)*a(n)+(-13*n^2+37*n)*a(n+1)+(-n^2+7*n+18)*a(n+2)+(n^2+5*n+6)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 5\}$ , ogf]  
A100236 5.01134 [  $\{-a(n+3)+6*a(n+2)-4*a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 26\}$ , ogf]  
A100236 9.23504  $-(-4-4*x-4*x^3+6*x^4+31*x^2)/(x-1)/(6*x^2-2*x+1)/(x^2+5*x-1)$  lgdogf  
A100236 9.28330 [  $(6*x^2-2*x+1)/(x-1)/(x^2+5*x-1)$  ogf]  
A100237 15.5345  $1/2/(x-1)*(-1-5*x+(1+6*x+29*x^2)^(1/2))$  revogf  
A100237 16.5965 [  $(x-1)/(x^2+5*x-1)$  ogf]  
A100237 19.5433  $-(-4-2*x+x^2)/(x-1)/(x^2+5*x-1)$  lgdogf  
A100237 9.10783 [  $\{-a(n+2)+5*a(n+1)+a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A100238 5.19907 [  $\{(-4*n+4)*a(n)+(4*n+2)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 2, a(2) = -2\}$ , ogf]  
A100239 5.19101 [  $\{(3*n-3)*a(n)+(-6*n-3)*a(n+1)+(-n-2)*a(n+2), a(0) = 1, a(1) = 3, a(2) = -3\}$ , ogf]

A100240 15.3800  $-( -1+2*x-5*x^2+2*(1-2*x+5*x^2)^{(1/2)})/(x-1)/(1-2*x+5*x^2)$  lgdogf  
A100240 4.12622  $[{(5*n^2-5*n)*a(n)+(-7*n^2-11*n)*a(n+1)+(3*n^2+9*n+6)*a(n+2)+(-n^2-5*n-6)*a(n+3)}, a(0) = 1, a(1) = 1, a(2) = 2]$ , ogf]  
A100242 11.5702  $-2*(13+116*x+x^4+50*x^3+180*x^2)/(x-1)/(x^4+32*x^3+66*x^2+20*x+1)$  lgdogf  
A100242 6.86904  $[x*(x^4+32*x^3+66*x^2+20*x+1)/(x-1)^6]$  ogf]  
A100244 5.11943  $(5*x^6-6*x^5-3*x^4+6*x^3-3*x^2-15*x^16+36*x^18-21*x^20-18*x^17-18*x^19+20*x^21+16*x^15+2)/(-1+x)/(x^21-x^19+x^18-x^16+x^6-x^4+x^3-x-1)$  lgdogf  
A100244 7.25238  $[(x^21-x^19+x^18-x^16+x^6-x^4+x^3-x-1)/(x-1)]$  ogf]  
A100255 12.9965  $-(25+138*x+8*x^3+99*x^2)/(x-1)/(4*x^3+29*x^2+20*x+1)$  lgdogf  
A100255 3.50111  $[{(-438*n^2-1786*n-1820)*a(n+1)+(711*n^2+2082*n+4796)*a(n+2)+(-273*n^2-956*n-820)*a(n+3)}, a(0) = 0, a(1) = 1, a(2) = 25]$ , ogf]  
A100255 7.37868  $[-x*(4*x^3+29*x^2+20*x+1)/(x-1)^5]$  ogf]  
A100256 13.5857  $-(49+156*x+2*x^3+63*x^2)/(x-1)/(x^3+20*x^2+29*x+4)$  lgdogf  
A100256 3.48324  $[{(-273*n^2-1228*n-1364)*a(n+1)+(711*n^2+3606*n+7844)*a(n+2)+(-438*n^2-1718*n-1684)*a(n+3)}, a(0) = 0, a(1) = 4, a(2) = 49]$ , ogf]  
A100256 7.41594  $[-x*(x^3+20*x^2+29*x+4)/(x-1)^5]$  ogf]  
A100261 6.82471  $[-(x^11-x^10+2*x^9-2*x^8+x^7-8*x^6-x^5-2*x^4-2*x^3-x^2-x-4)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2]$  ogf]  
A100284 10.2289  $[-(x^2+4*x-1)/(x-1)/(5*x-1)/(x+1)]$  ogf]  
A100284 10.9182  $-(1+5*x^4+40*x^3-14*x^2)/(x-1)/(5*x-1)/(x+1)/(x^2+4*x-1)$  lgdogf  
A100284 5.57110  $[{a(n+3)-5*a(n+2)-a(n+1)+5*a(n)}, a(0) = 1, a(1) = 1, a(2) = 5]$ , ogf]  
A100285 14.4468  $[-(5*x^2+1)/(x^2+1)/(x-1)]$  ogf]  
A100285 18.3060  $-(1+8*x+5*x^4-2*x^2)/(x-1)/(5*x^2+1)/(1+x^2)$  lgdogf  
A100285 7.35237  $[{a(n+3)-a(n+2)+a(n+1)-a(n)}, a(0) = 1, a(1) = 1, a(2) = 5]$ , ogf]  
A100286 7.73563  $[-(2*x^4-2*x^3+2*x^2+1)/(x-1)/(x^2+x+1)/(x^2-x+1)]$  ogf]  
A100286 8.94962  $-(1+2*x+6*x^6+8*x^3+2*x^8-4*x^7-x^4-5*x^2)/(x-1)/(x^2+x+1)/(x^2-x+1)/(2*x^4-2*x^3+2*x^2+1)$  lgdogf  
A100295 14.0902  $[-(x-1)/(x^3-2*x^2-4*x+1)]$  ogf]  
A100295 16.3090  $-(3+4*x+2*x^3-5*x^2)/(-1+x)/(x^3-2*x^2-4*x+1)$  lgdogf  
A100295 6.60867  $[{-a(n+3)+4*a(n+2)+2*a(n+1)-a(n)}, a(0) = 1, a(1) = 3, a(2) = 14]$ , ogf]  
A100296 12.4534  $[-(x^2-2*x-1)/(x^3-2*x^2-4*x+1)]$  ogf]  
A100296 13.8293  $-(6+2*x+x^4-4*x^3+5*x^2)/(x^2-2*x-1)/(x^3-2*x^2-4*x+1)$  lgdogf  
A100296 6.72262  $[{a(n+3)-4*a(n+2)-2*a(n+1)+a(n)}, a(0) = 1, a(1) = 6, a(2) = 25]$ , ogf]  
A100297 10.5816  $[-(x^2-11*x+1)/(x^3-14*x^2+17*x-1)]$  ogf]  
A100297 5.88888  $[{-a(n+3)+17*a(n+2)-14*a(n+1)+a(n)}, a(0) = 1, a(1) = 6, a(2) = 89]$ , ogf]  
A100300 10.9190  $-(2*(x^2+1-6*x)^{(1/2)}*x+(x^2+1-6*x)^{(1/2)}-1+x^2)/(x+1)/x/(x^2+1-6*x)^{(1/2)}$  lgdogf  
A100302 10.3618  $[-(2*x+1)*(3*x-1)/(x-1)/(8*x^2+x-1)]$  ogf]  
A100302 5.64349  $[{a(n+3)-2*a(n+2)-7*a(n+1)+8*a(n)}, a(0) = 1, a(1) = 1, a(2) = 3]$ , ogf]  
A100302 9.67248  $-(1+2*x-19*x^2+16*x^3+48*x^4)/(x-1)/(-1+3*x)/(2*x+1)/(8*x^2+x-1)$  lgdogf  
A100303 11.9874  $[(4*x^2+x-1)/(8*x^2+x-1)]$  ogf]  
A100303 17.8730  $-4*x*(-2+x)/(4*x^2+x-1)/(8*x^2+x-1)$  lgdogf  
A100303 6.29040  $[{-a(n+3)+a(n+2)+8*a(n+1)}, a(0) = 1, a(1) = 0, a(2) = 4]$ , ogf]  
A100304 12.6859  $[(2*x+1)*(3*x-1)/(8*x^2+x-1)]$  ogf]  
A100304 16.9863  $-2*x*(-2+x)/(3*x-1)/(2*x+1)/(8*x^2+x-1)$  lgdogf  
A100304 6.65694  $[{-a(n+3)+a(n+2)+8*a(n+1)}, a(0) = 1, a(1) = 0, a(2) = 2]$ , ogf]  
A100305 10.7357  $[-(4*x^2+x-1)/(x-1)/(8*x^2+x-1)]$  ogf]  
A100305 10.8787  $-(1+6*x+32*x^4+16*x^3-23*x^2)/(x-1)/(4*x^2+x-1)/(8*x^2+x-1)$  lgdogf  
A100305 5.84712  $[{a(n+3)-2*a(n+2)-7*a(n+1)+8*a(n)}, a(0) = 1, a(1) = 1, a(2) = 5]$ , ogf]  
A100312 23.6281  $-2*(-2+x)/(2*x-1)/(x-1)$  lgdogf  
A100312 4.79447  $[{a(n+3)-6*a(n+2)+12*a(n+1)-8*a(n)}, a(0) = 8, a(1) = 32, a(2) =$

104}], ogf]

A100312 8.82792 [  $-8*(x-1)^2/(2*x-1)^3$  ogf]

A100313 24.7888  $-2*(-3+2*x)/(2*x-1)/(x-1)$  lgdogf

A100313 4.08021 [  $\{(n+3)*a(n+3)+(-12-3*n)*a(n+2)+(6+2*n)*a(n+1), a(0) = 16, a(1) = 96, a(2) = 400\}$ , ogf]

A100313 8.43243 [  $16*(x-1)^2/(2*x-1)^4$  ogf]

A100314 10.5939 [  $-2*(x^2-4*x+2)/(2*x-1)/(x-1)^2$  ogf]

A100314 13.1796  $-2*(-2+7*x-7*x^2+x^3)/(x-1)/(-1+2*x)/(x^2-4*x+2)$  lgdogf

A100314 5.71883 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 4, a(1) = 8, a(2) = 14\}$ , ogf]

A100315 12.6325 [  $-2*(3*x^2-9*x+4)/(2*x-1)/(x-1)^2$  ogf]

A100315 14.7929  $-(-7+27*x-30*x^2+6*x^3)/(x-1)/(-1+2*x)/(3*x^2-9*x+4)$  lgdogf

A100315 6.87033 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 8, a(1) = 14, a(2) = 22\}$ , ogf]

A100316 12.3470 [  $-2*(9*x^2-20*x+8)/(2*x-1)/(x-1)^2$  ogf]

A100316 14.1132  $-2*(-6+25*x-31*x^2+9*x^3)/(-1+x)/(2*x-1)/(9*x^2-20*x+8)$  lgdogf

A100316 6.87140 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 16, a(1) = 24, a(2) = 34\}$ , ogf]

A100320 16.4915  $-4*(2+(1-4*x)^{1/2})/(4*x+3)/(-1+4*x)$  lgdogf

A100320 6.48852 [  $\{(-4*n-2)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 4\}$ , ogf]

A100321 11.9451 [  $-(3*x^3-3*x-1)/(2*x+1)/(x-1)/(x^2-x-1)$  ogf]

A100321 12.2647  $-(1+4*x+6*x^6+6*x^2-2*x^3-12*x^4)/(x-1)/(1+2*x)/(x^2-x-1)/(3*x^3-3*x-1)$  lgdogf

A100327 26.8259  $(1-x+(1-4*x)^{1/2})/(x+2)*x$  revogf

A100328 12.9392  $-(2*(1+4*x)^{1/2}+2*(1+4*x)^{1/2}*x-2-6*x-x^2)/x$  revogf

A100329 13.3682  $a(n+4)+a(n+3)+a(n+2)+a(n+1)-a(n), a(0)=-1, a(1)=-1, a(2)=-1, a(3)=7$  lgdogf

A100329 14.6887 [  $-x/(x^4-x^3-x^2-x-1)$  ogf]

A100334 13.6064 [  $-x*(x-1)/(x^4-2*x^3+4*x^2-3*x+1)$  ogf]

A100334 17.0610  $-(2-8*x+10*x^2-8*x^3+3*x^4)/(x-1)/(x^4-2*x^3+4*x^2-3*x+1)$  lgdogf

A100335 10.3082 [  $-x*(x-1)/(x^2-x+1)/(2*x-1)^2$  ogf]

A100335 13.7465  $-(-4+10*x-13*x^2+6*x^3)/(x-1)/(-1+2*x)/(x^2-x+1)$  lgdogf

A100381 14.7052 [  $-4*x^2/(2*x-1)^3$  ogf]

A100381 6.09403 [  $\{a(n+3)-6*a(n+2)+12*a(n+1)-8*a(n), a(0) = 0, a(1) = 0, a(2) = 4\}$ , ogf]

A100381 66.9772  $-6/(2*x-1)$  lgdogf

A100401 11.8011 [  $\{-a(n+3)+a(n+2), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]

A100401 22.0287 [  $-(6*x^2+2*x+1)/(x-1)$  ogf]

A100401 27.0188  $3*(-1-4*x+2*x^2)/(x-1)/(6*x^2+2*x+1)$  lgdogf

A100402 13.0433 [  $\{a(n+3)-a(n), a(0) = 1, a(1) = 4, a(2) = 7\}$ , ogf]

A100402 17.0645  $-(4+14*x+7*x^4+8*x^3+3*x^2)/(x-1)/(x^2+x+1)/(7*x^2+4*x+1)$  lgdogf

A100402 20.2305 [  $-(7*x^2+4*x+1)/(x-1)/(x^2+x+1)$  ogf]

A100403 11.8011 [  $\{-a(n+3)+a(n+2), a(0) = 1, a(1) = 6, a(2) = 9\}$ , ogf]

A100403 22.0287 [  $-(3*x^2+5*x+1)/(x-1)$  ogf]

A100403 28.6082  $3*(-2-2*x+x^2)/(x-1)/(3*x^2+5*x+1)$  lgdogf

A100404 16.0345 [  $(x-2)/(x^2+x-1)$  egf]

A100406 7.26329 [  $-(9*x^8+18*x^7+174*x^6+9*x^5+157842*x^4+147*x^3+9*x^2+124875*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]

A100412 11.0896  $-1/20*(-73-11*x+(5329+1566*x+81*x^2)^{1/2})/(1+x)$  revogf

A100412 11.5615 [  $(62*x+1)/(10*x-1)/(x-1)$  ogf]

A100412 11.8128  $-(793-1460*x+100*x^2)/(x-1)/(10*x-73)/(10*x-1)$  lgdogf

A100412 6.52884 [  $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 1, a(1) = 73\}$ , ogf]

A100413 10.5395  $-1/20*(-52-11*x+(2704+1224*x+81*x^2)^{1/2})/(-2+x)$  revogf

A100413 10.9859 [  $4*(5*x+13)/(10*x-1)/(x-1)$  ogf]

A100413 11.7106  $-2*(-74+130*x+25*x^2)/(x-1)/(5*x+13)/(10*x-1)$  lgdogf

A100413 6.18747 [  $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 52, a(1) = 592\}$ , ogf]

A100430 13.2744  $-2*(15+85*x+3*x^3+57*x^2)/(x-1)/(3*x^3+35*x^2+25*x+1)$  lgdogf

A100430 3.85703 [  $\{(-12*n^2-78*n-126)*a(n+1)+(14*n^2+49*n+72)*a(n+2)+(-2*n^2-11*n-15)*a(n+3), a(0) = 1, a(1) = 30, a(2) = 175\}$ , ogf]

A100430 8.06076 [  $-(3*x^3+35*x^2+25*x+1)/(x-1)^5$  ogf]

A100431 20.9675  $-2*(5+12*x+3*x^2)/(x-1)/(2*x^2+5*x+1)$  lgdogf

A100431 3.91042 [  $\{(n+4)*a(n+4)+(2+4*n)*a(n+3)+(-30-3*n)*a(n+2)+(-8-2*n)*a(n+1), a(0) = 8, a(1) = 80, a(2) = 336, a(3) = 960\}$ , ogf]  
A100431 9.75191 [  $-8*(2*x^2+5*x+1)/(x-1)^5$  ogf]  
A100434 13.1030  $-2*(-2+17*x+12*x^2+6*x^3+6*x^4+x^5)/(x+3)/(x+1)/(x^4+6*x^2+1)$  lgdogf  
A100434 13.4258 [  $(x+3)*(x+1)/(x^4+6*x^2+1)$  ogf]  
A100444 3.20092 [  $\{(-4*n^2-18*n-18)*a(n+1)+(4*n^2+26*n+41)*a(n+2)-a(n+3), a(0) = 1, a(1) = 3, a(2) = 53\}$ , ogf]  
A100445 2.82634 [  $\{(-4*n^2-22*n-28)*a(n+1)+(4*n^2+30*n+55)*a(n+2)-a(n+3), a(0) = 1, a(1) = 11, a(2) = 309\}$ , ogf]  
A100451 11.1353 [  $x^2*(2*x^4-4*x^3+7*x-7)/(x-1)^3$  ogf]  
A100451 16.6572  $2*(7-7*x+x^4-4*x^3+6*x^2)/(x-1)/(2*x^4-4*x^3+7*x-7)$  lgdogf  
A100455 12.9493 [  $(x^2-x-1)/(2*x-1)/(x^2+1)$  ogf]  
A100455 15.5160  $-(x-3)*(2*x^3+2*x^2-x+1)/(2*x-1)/(1+x^2)/(x^2-x-1)$  lgdogf  
A100455 7.05272 [  $\{a(n+3)-2*a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = 3, a(2) = 4\}$ , ogf]  
A100470 13.7165 [  $-x*(x^{10}-x-1)/(x+1)/(x-1)^2$  ogf]  
A100470 16.2257  $(2+4*x+7*x^{11}-x^{10}-10*x^9+2*x^2)/(x-1)/(x+1)/(x^{10}-x-1)$  lgdogf  
A100477 10.7296 [  $x*(x-1)/(x^3+2*x^2+3*x-1)$  ogf]  
A100477 13.9984  $-(-2-4*x-x^2+2*x^3)/(x-1)/(x^3+2*x^2+3*x-1)$  lgdogf  
A100477 5.50979 [  $\{-a(n+3)+3*a(n+2)+2*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A100503 10.4097 [  $(2*x^3+5*x^2+1)/(x-1)^4$  ogf]  
A100503 17.7418  $-2*(2+5*x+8*x^2+x^3)/(x-1)/(2*x^3+5*x^2+1)$  lgdogf  
A100503 4.15251 [  $\{(-17*n^2-79*n-90)*a(n+1)+(14*n^2-5*n-102)*a(n+2)+(3*n^2+24*n+45)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 15\}$ , ogf]  
A100504 11.8044 [  $2*(3*x^2+1)/(x-1)^4$  ogf]  
A100504 23.5166  $-2*(2+3*x+3*x^2)/(x-1)/(3*x^2+1)$  lgdogf  
A100504 4.03835 [  $\{(n+4)*a(n+4)+(-7-n)*a(n+3)+3*n*a(n+2)+(-9-3*n)*a(n+1), a(0) = 2, a(1) = 8, a(2) = 26, a(3) = 64\}$ , ogf]  
A100510 3.94352 [  $\{(-4*n^2-18*n-20)*a(n+1)+(4*n+15)*a(n+2)-a(n+3), a(0) = 2, a(1) = 14, a(2) = 142\}$ , ogf]  
A100510 30.1215  $-(-7+6*x)/(2*x-1)^2$  lgdegf  
A100511 15.4665  $2*(-12*x-13+2*(1-4*x)^{(1/2)})/(3+4*x)/(-1+4*x)$  lgdogf  
A100511 3.94149 [  $\{(-16*n^2-56*n-48)*a(n+1)+(8*n^2+26*n+18)*a(n+2)+(-n^2-3*n-2)*a(n+3), a(0) = 0, a(1) = 3, a(2) = 22\}$ , ogf]  
A100525 15.4552 [  $-2*(x-2)/(x^2-6*x+1)$  ogf]  
A100525 15.4779  $-(-2-3*x+(4+10*x+8*x^2)^{(1/2)})/(x+2)$  revogf  
A100525 17.9744  $-(11-4*x+x^2)/(x-2)/(x^2-6*x+1)$  lgdogf  
A100525 8.37933 [  $\{a(n+2)-6*a(n+1)+a(n), a(0) = 4, a(1) = 22\}$ , ogf]  
A100530 10.5880  $-(5+13*x+2*x^6+13*x^5+17*x^4+18*x^3+12*x^2)/(x-1)/(x+1)/(x^2+1)/(x^3+4*x^2+3*x+2)$  lgdogf  
A100530 11.9186 [  $x*(x^3+4*x^2+3*x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A100531 11.1794 [  $(7*x^4+6*x^3+4*x^2+2*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A100531 8.79762  $-(3+11*x+7*x^7+19*x^6+25*x^5+25*x^4+45*x^3+25*x^2)/(x-1)/(x+1)/(x^2+1)/(7*x^4+6*x^3+4*x^2+2*x+1)$  lgdogf  
A100532 11.0611  $-(-3-4*x+3*x^6-6*x^4-16*x^3+2*x^2)/(x-1)/(3*x^2+3*x+2)/(x^4+x^3+x^2+x-1)$  lgdogf  
A100532 11.7481 [  $(x-1)*(3*x^2+3*x+2)/(x^4+x^3+x^2+x-1)$  ogf]  
A100536 13.5071 [  $(2*x^2-7*x-1)/(x-1)^3$  ogf]  
A100536 22.4592  $-2*(-5-5*x+x^2)/(-1+x)/(2*x^2-7*x-1)$  lgdogf  
A100536 7.22747 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 10, a(2) = 25\}$ , ogf]  
A100538 6.40044 [  $(x^3+x+1)/(x-1)/(x^3-2*x^2+3*x-1)/(x^6+3*x^5+5*x^4+5*x^3+5*x^2+3*x+1)$  ogf]  
A100542 10.0860 [  $(3*x^5-11*x^4+19*x^3-21*x^2+14*x-5)/(x-1)^3$  ogf]  
A100542 11.4487  $(1+14*x+6*x^5-26*x^4+44*x^3-36*x^2)/(x-1)/(3*x^5-11*x^4+19*x^3-21*x^2+14*x-5)$  lgdogf  
A100545 11.1708 [  $\{-a(n+2)+3*a(n+1)-a(n), a(0) = 7, a(1) = 19\}$ , ogf]  
A100545 20.6039 [  $-(2*x-7)/(x^2-3*x+1)$  ogf]  
A100545 22.2791  $-1/2*(-7-3*x+(49+34*x+5*x^2)^{(1/2)})/(x+2)$  revogf



A100545 25.3734  $-(19-14*x+2*x^2)/(2*x-7)/(x^2-3*x+1)$  lgdogf  
A100550 12.7118  $[-x*(x+1)/(3*x^3+2*x^2+x-1)$  ogf]  
A100550 15.8727  $-(2+4*x+6*x^3+11*x^2)/(x+1)/(3*x^3+2*x^2+x-1)$  lgdogf  
A100550 6.52768  $[{a(n+3)-a(n+2)-2*a(n+1)-3*a(n), a(0) = 0, a(1) = 1, a(2) = 2},$   
ogf]  
A100571 6.07293  $(27-7*x-x^3+5*x^2+1302*x^5-4613*x^6+6183*x^7-3717*x^8+845*x^9)/$   
 $(x-1)/(169*x^9-549*x^8+597*x^7-217*x^6+x^3-4*x^2+5*x-8)$  lgdogf  
A100571 6.24920  $[-(169*x^9-549*x^8+597*x^7-217*x^6+x^3-4*x^2+5*x-8)/(x-1)^4$   
ogf]  
A100575 15.3458  $[-x^2/(4*x-1)/(2*x-1)^2$  ogf]  
A100575 24.2012  $-8*(-1+3*x)/(4*x-1)/(2*x-1)$  lgdogf  
A100575 5.89170  $[{a(n+3)-8*a(n+2)+20*a(n+1)-16*a(n), a(0) = 0, a(1) = 0, a(2) =$   
 $1},$  ogf]  
A100579 7.97967  $[-(x^8+2*x^7+58*x^6+17*x^5+158*x^4+49*x^3+7*x^2+125*x+1)/(x-1)/$   
 $(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A100583 14.6648  $-(11+29*x+6*x^3+26*x^2)/(x-1)/(2*x+1)/(x+2)/(x+1)$  lgdogf  
A100583 8.89520  $[4*x*(x+2)*(2*x+1)/(x+1)/(x-1)^4$  ogf]  
A100601 7.46689  $[-(5*x^8+11*x^7+333*x^6+100*x^5+1001*x^4+333*x^3+50*x^2+1001*x$   
 $+9)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A100606 14.1054  $-2*(-13-33*x+x^3-15*x^2)/(x-1)/(x^3-11*x^2-11*x-3)$  lgdogf  
A100606 3.72839  $[{(166*n^2+909*n+1154)*a(n+1)+(-90*n^2+410*n+1566)*a(n$   
 $+2)+(-76*n^2-351*n-398)*a(n+3), a(0) = 0, a(1) = 3, a(2) = 26},$  ogf]  
A100606 7.69732  $[x*(x^3-11*x^2-11*x-3)/(x-1)^5$  ogf]  
A100622 20.4566  $1/2*(1+(1-4*x)^(1/2))/(1-4*x)^(1/2)$  lgdegf  
A100622 3.99979  $[{(-n-2)*a(n+1)+(4*n+9)*a(n+2)+(-4*n-11)*a(n+3)+a(n+4), a(0) =$   
 $1, a(1) = 1, a(2) = 2, a(3) = 10},$  ogf]  
A100638 9.09106  $[-(2*x^7+2*x^4+4*x^3+3*x^2+2*x+1)/(2*x^8+5*x^4-1)$  ogf]  
A100683 11.2728  $[-(x^2+3*x-1)/(x^3+x^2+x-1)$  ogf]  
A100683 15.3878  $-(2-x^2+6*x^3+x^4)/(x^2+3*x-1)/(x^3+x^2+x-1)$  lgdogf  
A100683 6.13964  $[{a(n+3)-a(n+2)-a(n+1)-a(n), a(0) = -1, a(1) = 2, a(2) = 2},$   
ogf]  
A100684 11.4072  $[-(x^7+x^3-2*x^2-x-2)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A100691 10.4760  $-2*(-2+4*x^4+2*x^3+x^6+x^2)/(x-1)/(x^2+1)/(x^2+x+1)/(x^3+2*x-1)$   
lgdogf  
A100691 7.92306  $[(x^2+x+1)*(x^2+1)/(x-1)/(x^3+2*x-1)$  ogf]  
A100692 10.1952  $[-(x+1)*(2*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(2*x^4-1)$  ogf]  
A100692 7.94122  $(-3-8*x+8*x^9+8*x^8-8*x^6-28*x^5-38*x^4-24*x^3-12*x^2)/(x+1)/$   
 $(2*x^4-1)/(2*x^5+2*x^4+2*x^3+2*x^2+2*x+1)$  lgdogf  
A100693 7.18095  $[-(2*x^5+2*x^4+2*x^3+2*x^2+2*x+1)*(x^6+x^5-2*x^4+x^3+x^2+1)/$   
 $(2*x^4-1)$  ogf]  
A100702 11.8644  $[-(x+1)*(2*x-1)/(3*x-1)/(x-1)$  ogf]  
A100702 13.6840  $-(3-10*x+11*x^2)/(-1+x)/(3*x-1)/(2*x-1)/(x+1)$  lgdogf  
A100702 6.16483  $[{a(n+3)-4*a(n+2)+3*a(n+1), a(0) = 1, a(1) = 3, a(2) = 7},$  ogf]  
A100705 10.8440  $[(x^3+3*x^2+x+1)/(x-1)^4$  ogf]  
A100705 20.4985  $-(5+9*x+x^3+9*x^2)/(x-1)/(x^3+3*x^2+x+1)$  lgdogf  
A100705 4.39466  $[{(-49*n^2-237*n-278)*a(n+1)+(26*n^2-136*n-586)*a(n$   
 $+2)+(23*n^2+157*n+264)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 17},$  ogf]  
A100706 4.48978  $[{-a(n+2)+101*a(n+1)-100*a(n), a(0) = 1, a(1) = 111},$  ogf]  
A100706 7.55218  $-1/20*(-1-101*x+(1+242*x+9801*x^2)^(1/2))/(-1+10*x)$  revogf  
A100706 7.90202  $[(10*x+1)/(100*x-1)/(x-1)$  ogf]  
A100706 8.02419  $-(-111+200*x+1000*x^2)/(-1+x)/(10*x+1)/(100*x-1)$  lgdogf  
A100720 11.5030  $[(2*x^3-2*x^2-x-3)/(2*x-1)/(x^2+1)$  ogf]  
A100720 12.9954  $(7-2*x+2*x^4+12*x^3+7*x^2)/(2*x-1)/(x^2+1)/(2*x^3-2*x^2-x-3)$   
lgdogf  
A100720 5.92319  $[{a(n+4)-2*a(n+3)+a(n+2)-2*a(n+1), a(0) = 3, a(1) = 7, a(2) =$   
 $13, a(3) = 23},$  ogf]  
A100727 6.95066  $(-4*x$   
 $+2*x^10-4*x^9-6*x^8+2*x^13+4*x^7+4*x^6+6*x^5-4*x^3-2*x^4-6*x^2+x^12-1)/(x-1)/(x$   
 $+1)/(x^2+1)/(x^4-x^2-1)/(x^6+x^5+x^4-x^3-x^2-x-1)$  lgdogf  
A100727 8.26889  $[(x^4-x^2-1)*(x^6+x^5+x^4-x^3-x^2-x-1)/(x-1)^2/(x+1)^2/$   
 $(x^2+1)^2$  ogf]

A100747 15.2092 [  $-(3*x+1)/(15*x^2-1)$  ogf]  
A100747 16.4757  $1/6*(-1+(1+12*x+60*x^2)^{(1/2)})/(1+5*x)$  revogf  
A100747 16.9210  $-3*(1+10*x+15*x^2)/(3*x+1)/(15*x^2-1)$  lgdogf  
A100747 9.82751 [  $\{-a(n+2)+15*a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A100764 14.7536 [  $(x+1)*(2*x^3+x^2-x+1)/(x-1)^2$  ogf]  
A100764 16.4956  $(-2+4*x^4-5*x^3-9*x^2)/(x-1)/(x+1)/(2*x^3+x^2-x+1)$  lgdogf  
A100774 17.9636 [  $4*x/(3*x-1)/(x-1)$  ogf]  
A100774 19.8448  $-1/3*(-2-2*x+(4+8*x+x^2)^{(1/2)})/x$  revogf  
A100774 26.1951  $-2*(-2+3*x)/(3*x-1)/(x-1)$  lgdogf  
A100774 8.20558 [  $\{a(n+2)-4*a(n+1)+3*a(n), a(0) = 0, a(1) = 4\}$ , ogf]  
A100775 17.1496 [  $-(4*x-101)/(x-1)^2$  ogf]  
A100775 19.2901  $-1/2*(-101-2*x+(10201+388*x)^{(1/2)})/(4+x)$  revogf  
A100775 28.2463  $-2*(-99+2*x)/(x-1)/(4*x-101)$  lgdogf  
A100775 9.37247 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 101, a(1) = 198\}$ , ogf]  
A100776 14.7293 [  $-(12*x-1009)/(x-1)^2$  ogf]  
A100776 15.3808  $-1/2*(-1009-2*x+(1018081+3988*x)^{(1/2)})/(12+x)$  revogf  
A100776 22.1098  $-2*(-1003+6*x)/(x-1)/(12*x-1009)$  lgdogf  
A100776 8.20155 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 1009, a(1) = 2006\}$ , ogf]  
A100779 7.07905  $-(2+8*x$   
 $+23*x^8+74*x^6+81*x^5+51*x^4+44*x^3+37*x^7+28*x^2+12*x^9)/(x-1)/(x+1)/$   
 $(3*x^6+x^5+2*x^4+4*x^3+x^2+1)/(x^2+x+1)$  lgdogf  
A100779 7.88968 [  $-(3*x^6+x^5+2*x^4+4*x^3+x^2+1)/(x+1)/(x^2+x+1)^2/(x-1)^5$  ogf]  
A100789 3.91145 [  $(x+1)*(x^6+13*x^5+149*x^4+514*x^3+149*x^2+13*x+1)/(x-1)^8$  ogf]  
A100790 10.2585  $-(9+31*x+80*x^2+56*x^3+4*x^4)/(x-1)/(2*x^4+16*x^3+8*x^2+3*x+1)$   
lgdogf  
A100790 6.18694 [  $(2*x^4+16*x^3+8*x^2+3*x+1)/(x-1)^6$  ogf]  
A100828 8.67727  $-2*(2-x+x^6+3*x^5+2*x^4-2*x^3-x^2)/(x-1)/(x+1)/(x^2+2*x-1)/$   
 $(2*x^3+3*x^2-2*x-1)$  lgdogf  
A100828 8.96488 [  $-(2*x^3+3*x^2-2*x-1)/(x-1)/(x+1)/(x^2+2*x-1)$  ogf]  
A100830 10.0910 [  $(9*x^10-8*x^9-9*x+10)/(x+1)/(x^2-x+1)/(x^6-x^3+1)/(x-1)^2$  ogf]  
A100830 8.47110  $-(11-7*x^18+9*x^19-9*x-162*x^8+328*x^9-162*x^10)/(x-1)/(x+1)/$   
 $(x^2-x+1)/(x^6-x^3+1)/(9*x^10-8*x^9-9*x+10)$  lgdogf  
A100832 12.7652 [  $-(3*x+1)*(x^2-x-1)/(x+1)/(x-1)^2$  ogf]  
A100832 18.0021  $-(-5-11*x+x^3-x^2)/(x-1)/(3*x+1)/(x+1)/(x^2-x-1)$  lgdogf  
A100832 6.67270 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 1, a(1) = 5, a(2) = 8,$   
 $a(3) = 9\}$ , ogf]  
A100846 7.80744  $(1221-1001*x+856800*x^10-1827000*x^9+972000*x^8)/(x-1)/$   
 $(107100*x^10-108000*x^9+1001*x-1111)$  lgdogf  
A100846 9.28641 [  $-(107100*x^10-108000*x^9+1001*x-1111)/(x-1)^2$  ogf]  
A100853 11.7385 [  $-(-x^6-x^4-x^3-x^2-1)/(-x^8+1)$  ogf\_with\_Euler\_transform]  
A100855 17.0809  $-(7+24*x+2*x^3+27*x^2)/(x-1)/(x^3+8*x^2+2*x+1)$  lgdogf  
A100855 4.12763 [  $\{(-291*n^2-1325*n-1486)*a(n+1)+(242*n^2-304*n-1400)*a(n$   
 $+2)+(49*n^2+269*n+342)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 7\}$ , ogf]  
A100855 8.75420 [  $-x*(x^3+8*x^2+2*x+1)/(x-1)^5$  ogf]  
A100886 10.7523  $-(3+6*x+4*x^5+13*x^4+16*x^3+9*x^2)/(2*x+1)/(x+1)/(x^2+x+1)/$   
 $(x^2+x-1)$  lgdogf  
A100886 10.7546 [  $-x*(x+1)*(2*x+1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A100887 11.9179 [  $-(2*x^2+2*x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A100887 12.7881  $-2*(2*x+1)*(x^4+2*x^3-x+1)/(x^2+x+1)/(2*x^2+2*x-1)/(x^2+x-1)$   
lgdogf  
A100888 11.6962 [  $(x^2-x-3)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A100888 11.8366  $-(-1-4*x+2*x^5-x^4-16*x^3-19*x^2)/(x^2+x+1)/(x^2+x-1)/(x^2-x-3)$   
lgdogf  
A100896 7.72913  $(3113-2893*x+2745900*x^11-5804100*x^10+3060000*x^9)/(x-1)/$   
 $(305100*x^11-306000*x^10+2893*x-3003)$  lgdogf  
A100896 9.47156 [  $-(305100*x^11-306000*x^10+2893*x-3003)/(x-1)^2$  ogf]  
A100897 7.01106  $(7117-6897*x+6309900*x^11-13328100*x^10+7020000*x^9)/(x-1)/$   
 $(701100*x^11-702000*x^10+6897*x-7007)$  lgdogf  
A100897 8.69365 [  $-(701100*x^11-702000*x^10+6897*x-7007)/(x-1)^2$  ogf]  
A100910 30.9626 [  $[x^10]$  ogf\_with\_Euler\_transform]  
A100963 10.4081 [  $(861*x^17+91*x^10+15*x^6+3*x^3+1)/(x-1)^2$  ogf]

A100963 6.90128  
 $(-2-14637x^{16}+12915x^{17}-910x^9+728x^{10}+60x^6-90x^5+3x^3-9x^2)/(x-1)/(861x^{17}+91x^{10}+15x^6+3x^3+1)$  lgdogf  
A101000 10.2931  $[-a(n+3)+a(n), a(0) = 0, a(1) = 1, a(2) = 3]$ , ogf]  
A101000 17.1551  $[-x*(3*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A101000 20.5736  $-3*(x+1)*(2*x^2-x+1)/(x-1)/(3*x+1)/(x^2+x+1)$  lgdogf  
A101052 10.3524  $[-(8*x^2-5*x+1)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A101052 5.68005  $[{a(n+3)-6*a(n+2)+11*a(n+1)-6*a(n), a(0) = 1, a(1) = 1, a(2) = 3}]$ , ogf]  
A101052 9.52747  $-(1-6*x+25*x^2-60*x^3+48*x^4)/(x-1)/(3*x-1)/(-1+2*x)/(8*x^2-5*x+1)$  lgdogf  
A101053 11.3984  $(-1-\exp(x)+\exp(x)*x)/(-1+x)$  lgdegf  
A101054 12.6307  $(-2-\exp(x)+\exp(x)*x)/(-1+x)$  lgdegf  
A101055 13.2468  $(-3-\exp(x)+\exp(x)*x)/(-1+x)$  lgdegf  
A101089 14.1601  $-2*(9+44*x+2*x^3+29*x^2)/(x-1)/(x+1)/(x^2+10*x+1)$  lgdogf  
A101089 3.82405  $[{(4*n^2+41*n+105)*a(n+1)+(-8*n^2-64*n-150)*a(n+2)+(4*n^2+23*n+33)*a(n+3), a(0) = 1, a(1) = 18, a(2) = 116}]$ , ogf]  
A101089 6.61168  $[-(x+1)*(x^2+10*x+1)/(x-1)^7$  ogf]  
A101090 13.6065  $-(19+99*x+5*x^3+69*x^2)/(x-1)/(x+1)/(x^2+10*x+1)$  lgdogf  
A101090 3.60238  $[{(4*n^2+49*n+150)*a(n+1)+(-8*n^2-72*n-169)*a(n+2)+(4*n^2+23*n+33)*a(n+3), a(0) = 1, a(1) = 19, a(2) = 135}]$ , ogf]  
A101090 5.74517  $[(x+1)*(x^2+10*x+1)/(x-1)^8$  ogf]  
A101091 13.7287  $-2*(10+55*x+3*x^3+40*x^2)/(x-1)/(x+1)/(x^2+10*x+1)$  lgdogf  
A101091 3.78250  $[{(4*n^2+57*n+203)*a(n+1)+(-8*n^2-80*n-188)*a(n+2)+(4*n^2+23*n+33)*a(n+3), a(0) = 1, a(1) = 20, a(2) = 155}]$ , ogf]  
A101091 5.50994  $[-(x+1)*(x^2+10*x+1)/(x-1)^9$  ogf]  
A101092 11.1573  $-2*(17+157*x+237*x^2+67*x^3+2*x^4)/(x-1)/(x^4+26*x^3+66*x^2+26*x+1)$  lgdogf  
A101092 6.08808  $[(x^4+26*x^3+66*x^2+26*x+1)/(x-1)^8$  ogf]  
A101093 4.23740  $[-(x+1)*(x^4+56*x^3+246*x^2+56*x+1)/(x-1)^9$  ogf]  
A101093 7.17865  $-2*(33+530*x+1510*x^2+1020*x^3+145*x^4+2*x^5)/(x-1)/(x+1)/(x^4+56*x^3+246*x^2+56*x+1)$  lgdogf  
A101094 19.8969  $-(11+26*x+5*x^2)/(x-1)/(x^2+4*x+1)$  lgdogf  
A101094 7.11579  $[-(x^2+4*x+1)/(x-1)^7$  ogf]  
A101095 11.6986  $[(x^4+26*x^3+66*x^2+26*x+1)/(x-1)^2$  ogf]  
A101095 8.94393  $2*(-14-79*x+x^4+11*x^3-39*x^2)/(-1+x)/(x^4+26*x^3+66*x^2+26*x+1)$  lgdogf  
A101096 10.1905  $[-(x^4+26*x^3+66*x^2+26*x+1)/(x-1)^3$  ogf]  
A101096 12.9111  $(-29-184*x-144*x^2-4*x^3+x^4)/(x-1)/(x^4+26*x^3+66*x^2+26*x+1)$  lgdogf  
A101096 5.39895  $[{-a(n+5)+3*a(n+4)-3*a(n+3)+a(n+2), a(0) = 1, a(1) = 29, a(2) = 150, a(3) = 390, a(4) = 750}]$ , ogf]  
A101097 22.6429  $-6*(2+5*x+x^2)/(x-1)/(x^2+4*x+1)$  lgdogf  
A101097 3.67317  $[{(n+4)*a(n+4)+(-3+3*n)*a(n+3)+(-36-3*n)*a(n+2)+(-7-n)*a(n+1), a(0) = 1, a(1) = 12, a(2) = 69, a(3) = 272}]$ , ogf]  
A101097 6.96517  $[(x^2+4*x+1)/(x-1)^8$  ogf]  
A101098 14.4668  $-30*(x+1)*(x^2+6*x+1)/(x-1)/(x^4+26*x^3+66*x^2+26*x+1)$  lgdogf  
A101098 9.04024  $[(x^4+26*x^3+66*x^2+26*x+1)/(x-1)^4$  ogf]  
A101099 10.9338  $-5*(7+68*x+x^4+32*x^3+108*x^2)/(x-1)/(x^4+26*x^3+66*x^2+26*x+1)$  lgdogf  
A101099 5.16187  $[-(x^4+26*x^3+66*x^2+26*x+1)/(x-1)^9$  ogf]  
A101100 4.33504  $[{-a(n+5)+a(n+4), a(0) = 1, a(1) = 27, a(2) = 93, a(3) = 119, a(4) = 120}]$ , ogf]  
A101100 7.72178  $[-(x^4+26*x^3+66*x^2+26*x+1)/(x-1)$  ogf]  
A101100 7.74149  $3*(-9-44*x+x^4+16*x^3-4*x^2)/(-1+x)/(x^4+26*x^3+66*x^2+26*x+1)$  lgdogf  
A101101 15.8727  $[-(x^2+4*x+1)/(x-1)$  ogf]  
A101101 22.4756  $(-5-2*x+x^2)/(-1+x)/(x^2+4*x+1)$  lgdogf  
A101101 8.50323  $[{-a(n+3)+a(n+2), a(0) = 1, a(1) = 5, a(2) = 6}]$ , ogf]  
A101102 18.9151  $-(13+34*x+7*x^2)/(x-1)/(x^2+4*x+1)$  lgdogf  
A101102 3.87819  $[{(n+4)*a(n+4)+(-4+3*n)*a(n+3)+(-40-3*n)*a(n+2)+(-8-n)*a(n+1),$

$a(0) = 1, a(1) = 13, a(2) = 82, a(3) = 354$ , ogf]  
A101102 6.66253 [  $-(x^2+4x+1)/(x-1)^9$  ogf]  
A101103 10.2796  $(-13-33x+x^3-3x^2)/(-1+x)/(x+1)/(x^2+10x+1)$  lgdogf  
A101103 4.16310 [ $\{a(n+4)-2a(n+3)+a(n+2), a(0) = 1, a(1) = 13, a(2) = 36, a(3) = 60\}$ , ogf]  
A101103 7.73148 [  $(x+1)(x^2+10x+1)/(x-1)^2$  ogf]  
A101104 13.2705 [  $-(x+1)(x^2+10x+1)/(x-1)$  ogf]  
A101104 15.5124  $2*(-6-11x+x^3+4x^2)/(x-1)/(x+1)/(x^2+10x+1)$  lgdogf  
A101104 7.37253 [ $\{a(n+4)-a(n+3), a(0) = 1, a(1) = 12, a(2) = 23, a(3) = 24\}$ , ogf]  
A101106 13.1197  $-(-3+3x-9x^2+2x^3)/(3x^2+1-6x+x^4-6x^3)$  lgdogf  
A101109 122.250  $3x^2$  lgdegf  
A101109 5.05733 [ $\{(-n-4)a(n+4)+3a(n+1), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1\}$ , egf]  
A101120 8.62720  $-2*(-11+3x+4x^2-10x^3+41x^4+5x^5)/(-1+x)/(x+7)/(2x-1)/(x+1)/(x^2+1)$  lgdogf  
A101120 9.32051 [  $-(x+7)/(x+1)/(2x-1)/(x^2+1)/(x-1)^2$  ogf]  
A101127 14.4995 [  $-(-8x^2+8x-8)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A101135 10.1774 [  $(256x^{14}+121x^{13}+9x^5+4x^4+1)/(x-1)^2$  ogf]  
A101135 8.30210  $(-2+3072x^{14}-2253x^{13}-1573x^{12}+27x^5-16x^3-37x^4)/(x-1)/(256x^{14}+121x^{13}+9x^5+4x^4+1)$  lgdogf  
A101152 6.03243 [  $x*(93x^5+383x^4+93x^3-447x^2-1149x-111)/(x-1)/(x^6-6x^3+1)$  ogf]  
A101156 16.6421 [  $-2*(7x+5)/(x^2+x-1)$  ogf]  
A101156 18.7306  $1/2/(14+x)*(-10-x+(100+76x+5x^2)^{1/2})$  revogf  
A101156 22.5869  $-(12+10x+7x^2)/(7x+5)/(x^2+x-1)$  lgdogf  
A101156 9.31163 [ $\{a(n+2)-a(n+1)-a(n), a(0) = 10, a(1) = 24\}$ , ogf]  
A101165 10.3087 [  $x*(x^2+3x+3)/(x-1)^4$  ogf]  
A101165 23.1708  $-(x+3)*(2x+5)/(x-1)/(x^2+3x+3)$  lgdogf  
A101165 4.11220 [ $\{(-9-3n)a(n+4)+15a(n+3)+(13+2n)a(n+2)+(n+2)a(n+1), a(0) = 0, a(1) = 3, a(2) = 15, a(3) = 43\}$ , ogf]  
A101166 15.2048  $-(26+32x+2x^3+15x^2)/(x-1)/(x+2)/(x^2+2x+2)$  lgdogf  
A101166 3.83752 [ $\{(49n^2+344n+492)a(n+1)+(-8n^2+413n+2202)a(n+2)+(-41n^2-397n-630)a(n+3), a(0) = 0, a(1) = 4, a(2) = 26\}$ , ogf]  
A101166 7.97023 [  $-x*(x+2)*(x^2+2x+2)/(x-1)^5$  ogf]  
A101168 12.7516 [  $-(x^2+x+1)/(x^3+2x^2+2x-1)$  ogf]  
A101168 6.94505 [ $\{-a(n+3)+2a(n+2)+2a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A101169 11.8644 [  $(x+1)/(x^3-3x^2-2x+1)$  ogf]  
A101169 5.61440 [ $\{a(n+3)-2a(n+2)-3a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A101195 17.9330 [  $-(x-1)/(-x^3-1)$  ogf\_with\_Euler\_transform]  
A101197 11.6185 [  $(x+1)/(2x^3-3x^2-2x+1)$  ogf]  
A101197 5.49804 [ $\{a(n+3)-2a(n+2)-3a(n+1)+2a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A101202 14.0460  $63492x/(47619+(2267569161+63492x)^{1/2})^2$  revogf  
A101202 16.6026 [  $142857/(x-1)^2$  ogf]  
A101202 6.85761 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 142857, a(1) = 285714\}$ , ogf]  
A101202 77.2531  $-2/(x-1)$  lgdogf  
A101213 13.3649  $-4*(24+58x+x^3+22x^2)/(x-1)/(x^3+17x^2+33x+9)$  lgdogf  
A101213 3.61224 [ $\{(n^2+8n+16)a(n+1)+(-7n^2-68n-189)a(n+2)+(6n^2+30n+36)a(n+3), a(0) = 0, a(1) = 108, a(2) = 1152\}$ , ogf]  
A101213 5.72976 [  $-12x*(x^3+17x^2+33x+9)/(x-1)^7$  ogf]  
A101217 3.66885 [  $-(208x^3-108x^2-112x-1)/(x-1)/(10x+1)/(10x-1)$  ogf]  
A101229 12.4561 [  $(17x^{10}+27x^8+7x^3-1)/(2x-1)$  ogf]  
A101229 8.82786  $(2-216x^7+306x^{10}-170x^9+378x^8+28x^3-21x^2)/(2x-1)/(17x^{10}+27x^8+7x^3-1)$  lgdogf  
A101230 10.3087 [  $-(x^5+2x^4+x^3+x^2+x+2)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A101243 9.38386 [  $-10x*(800x^{12}-800x^{11}+80x^2-72x-9)/(x-1)^2$  ogf]  
A101243 9.82212  $2*(45-44x+400x^{12}-8400x^{11}+4400x^{10})/(x-1)/(800x^{12}-800x^{11}+80x^2-72x-9)$  lgdogf

A101265 11.7050  $-(2-8*x+x^4-6*x^3+13*x^2)/(x-1)/(x^2-4*x+1)/(x^2-3*x+1)$  lgdogf  
A101265 12.6971  $[-(x^2-3*x+1)/(x-1)/(x^2-4*x+1)$  ogf]  
A101265 6.91538  $[{-a(n+3)+5*a(n+2)-5*a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 6},$   
ogf]  
A101272 14.3666  $[-(x+1)*(x^2+x+1)*(x^2-x+1)/(x-1)$  ogf]  
A101272 16.7703  $2*(-1-x-x^2-x^3-x^4+2*x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$   
lgdogf  
A101272 39.5702  $[[-x^5+2]$  ogf\_with\_Euler\_transform]  
A101272 6.60862  $[{a(n+3)-2*a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) =$   
4, a(4) = 5, a(5) = 6, a(6) = 6}, ogf]  
A101277 15.4706  $[-(x^3+2*x^2+2)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A101291 10.8983  $-1/10*(-45-110*x+9*(25+120*x+100*x^2)^(1/2))/(9+200*x)$  revogf  
A101291 11.5205  $[-45*(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A101291 12.5215  $-(109-2000*x+1000*x^2)/(x-1)/(100*x-1)/(10*x-1)$  lgdogf  
A101291 6.58315  $[{-a(n+2)+110*a(n+1)-1000*a(n), a(0) = 45, a(1) = 4905},$  ogf]  
A101328 15.7976  $[(x+1)*(2*x+1)/(x-1)^2$  ogf]  
A101328 29.3276  $-(7*x+5)/(x-1)/(2*x+1)/(x+1)$  lgdogf  
A101328 8.12886  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 5, a(2) = 11},$  ogf]  
A101338 16.6698  $-(2+4*x-9*x^2+2*x^3)/(x-1)/(x^3-4*x^2+3*x-1)$  lgdogf  
A101338 4.06912  $[{(32*n^2+242*n+438)*a(n+1)+(-61*n^2-337*n-354)*a(n$   
+2)+(29\*n^2+107\*n+60)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 4}, ogf]  
A101338 8.79305  $[(x^3-4*x^2+3*x-1)/(x-1)^5$  ogf]  
A101351 11.2496  $[-(x^2-4*x+2)/(x-1)/(2*x-1)/(x^2+x-1)$  ogf]  
A101351 8.86228  $-(4-14*x+4*x^5+6*x^2+24*x^3-25*x^4)/(x-1)/(2*x-1)/(x^2-4*x+2)/$   
 $(x^2+x-1)$  lgdogf  
A101352 8.43659  $[x*(x^2-4*x+2)/(2*x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A101352 9.34808  $-(6-24*x-32*x^4+21*x^3+6*x^5+21*x^2)/(x-1)/(2*x-1)/(x^2-4*x+2)/$   
 $(x^2+x-1)$  lgdogf  
A101353 11.9419  $[(3*x^2-1)/(x-1)/(2*x-1)/(x^2+x-1)$  ogf]  
A101353 9.75452  $-(4+14*x-3*x^4-8*x^3+12*x^5-9*x^2)/(x-1)/(2*x-1)/(3*x^2-1)/$   
 $(x^2+x-1)$  lgdogf  
A101357 23.2407  $-3*(1+4*x^2)/(x-1)/(4*x^2-2*x+1)$  lgdogf  
A101357 3.85047  $[{(n+3)*a(n+4)+(-3*n-9)*a(n+3)+(6+6*n)*a(n+2)+(-12-4*n)*a(n+1),$   
a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 9}, ogf]  
A101357 9.09269  $[-x*(4*x^2-2*x+1)/(x-1)^5$  ogf]  
A101362 14.6627  $-12*(x+1)*(2*x^2+11*x+2)/(x-1)/(8*x^3+33*x^2+18*x+1)$  lgdogf  
A101362 4.13294  $[{(-37*n^2-195*n-252)*a(n+1)+(56*n^2+176*n+456)*a(n$   
+2)+(-19\*n^2-71\*n-66)\*a(n+3), a(0) = 0, a(1) = 2, a(2) = 48}, ogf]  
A101362 7.50350  $[2*x*(8*x^3+33*x^2+18*x+1)/(x-1)^6$  ogf]  
A101368 14.9676  $-(1-6*x+3*x^4-10*x^3+15*x^2)/(-1+x)/(x^2-5*x+1)/(3*x^2-5*x+1)$   
lgdogf  
A101368 15.1861  $[-(3*x^2-5*x+1)/(x-1)/(x^2-5*x+1)$  ogf]  
A101368 8.27100  $[{-a(n+3)+6*a(n+2)-6*a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 3},$   
ogf]  
A101374 16.1339  $-2*(-4-15*x+x^3-12*x^2)/(x-1)/(x^3-9*x^2-3*x-1)$  lgdogf  
A101374 4.60554  $[{(-2*n^2-11*n-14)*a(n+1)+(2*n^2+2*n-8)*a(n+2)+(n+2)*a(n+3),$   
a(0) = 0, a(1) = 1, a(2) = 8}, ogf]  
A101374 8.45193  $[x*(x^3-9*x^2-3*x-1)/(x-1)^5$  ogf]  
A101375 22.4491  $-6*(1+4*x+5*x^2)/(x-1)/(10*x^2+x+1)$  lgdogf  
A101375 4.35318  $[{(n+3)*a(n+4)-6*a(n+3)+(-15+9*n)*a(n+2)+(-30-10*n)*a(n+1), a(0)$   
= 0, a(1) = 1, a(2) = 6, a(3) = 30}, ogf]  
A101375 9.48371  $[-x*(10*x^2+x+1)/(x-1)^5$  ogf]  
A101376 13.0071  $-2*(7+50*x+x^4+32*x^3+90*x^2)/(x-1)/(x^4+20*x^3+30*x^2+8*x+1)$   
lgdogf  
A101376 7.30918  $[x*(x^4+20*x^3+30*x^2+8*x+1)/(x-1)^6$  ogf]  
A101377 12.7061  $-2*(-8-61*x+x^4-19*x^3-93*x^2)/(x-1)/(x^4-14*x^3-36*x^2-10*x-1)$   
lgdogf  
A101377 7.30687  $[-x*(x^4-14*x^3-36*x^2-10*x-1)/(x-1)^6$  ogf]  
A101378 15.1035  $-6*(3+21*x+7*x^3+29*x^2)/(x-1)/(14*x^3+33*x^2+12*x+1)$  lgdogf  
A101378 4.50591  $[{(13*n^2+63*n+72)*a(n+1)+(-11*n^2+17*n+10)*a(n$   
+2)+(-2\*n^2-5\*n-2)\*a(n+3), a(0) = 0, a(1) = 1, a(2) = 18}, ogf]

A101378 7.87440 [  $x*(14*x^3+33*x^2+12*x+1)/(x-1)^6$  ogf]  
A101379 11.2476  $-(27+296*x+18*x^4+284*x^3+635*x^2)/(x-1)/(6*x^4+65*x^3+88*x^2+20*x+1)$  lgdogf  
A101379 6.55320 [  $-x*(6*x^4+65*x^3+88*x^2+20*x+1)/(x-1)^7$  ogf]  
A101380 11.3969  $-(29+344*x+39*x^4+444*x^3+824*x^2)/(x-1)/(x+1)/(13*x^3+85*x^2+21*x+1)$  lgdogf  
A101380 6.53021 [  $-x*(x+1)*(13*x^3+85*x^2+21*x+1)/(x-1)^7$  ogf]  
A101381 11.7371  $-30*(1+12*x+x^4+14*x^3+28*x^2)/(x-1)/(10*x^4+95*x^3+111*x^2+23*x+1)$  lgdogf  
A101381 6.53021 [  $-x*(10*x^4+95*x^3+111*x^2+23*x+1)/(x-1)^7$  ogf]  
A101382 4.27302 [  $-x*(108*x^6+2749*x^5+10727*x^4+10362*x^3+2762*x^2+169*x+3)/(x-1)^9$  ogf]  
A101382 5.91007  $-4*(49+1719*x+81*x^6+2911*x^5+16845*x^4+26270*x^3+12605*x^2)/(x-1)/(108*x^6+2749*x^5+10727*x^4+10362*x^3+2762*x^2+169*x+3)$  lgdogf  
A101383 15.2809  $-2*(7+45*x+9*x^3+59*x^2)/(x-1)/(6*x^3+25*x^2+8*x+1)$  lgdogf  
A101383 3.89116 [  $\{(4931*n^2+28841*n+42144)*a(n+1)+(-4098*n^2+3496*n+21846)*a(n+2)+(-833*n^2-3517*n-3702)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 14\}$ , ogf]  
A101383 7.82084 [  $x*(6*x^3+25*x^2+8*x+1)/(x-1)^6$  ogf]  
A101384 11.4635  $-12*(5+59*x+x^4+37*x^3+108*x^2)/(x-1)/(4*x^4+107*x^3+195*x^2+53*x+1)$  lgdogf  
A101384 6.24114 [  $-x^2*(4*x^4+107*x^3+195*x^2+53*x+1)/(x-1)^7$  ogf]  
A101386 13.4095  $-1/2*(-5-6*x+(25+48*x+32*x^2)^{(1/2)})/(x+3)$  revogf  
A101386 15.5926 [  $-(3*x-5)/(x^2-6*x+1)$  ogf]  
A101386 15.6444  $-(27-10*x+3*x^2)/(3*x-5)/(1-6*x+x^2)$  lgdogf  
A101386 8.45381 [  $\{a(n+2)-6*a(n+1)+a(n), a(0) = 5, a(1) = 27\}$ , ogf]  
A101399 10.7054 [  $-(x^2+x+1)/(x^3+2*x^2+x-1)$  ogf]  
A101399 12.7885  $-(2+6*x+4*x^2+2*x^3+x^4)/(x^2+x+1)/(x^3+2*x^2+x-1)$  lgdogf  
A101399 5.83062 [  $\{-a(n+3)+a(n+2)+2*a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A101400 11.4078  $-2*(-1-3*x+x^4+x^3+x^5-2*x^2)/(x^2+x+1)/(x^4-x^3-2*x^2-x+1)$  lgdogf  
A101400 9.95359 [  $(x^2+x+1)/(x^4-x^3-2*x^2-x+1)$  ogf]  
A101423 8.01770  $-(12+38*x+23*x^4+52*x^3-6*x^6-2*x^5+3*x^8+60*x^2)/(x-1)/(x+1)/(x^2+x+1)/(3*x^5-3*x^4-3*x^3+x^2+6*x+6)$  lgdogf  
A101423 9.85271 [  $-(x^3+3*x^2+3*x+3)/(x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A101424 13.9227  $-2*(9+10*x+2*x^4-4*x^3-2*x^2)/(x-1)/(x+1)/(4*x^3-8*x^2+9)$  lgdogf  
A101424 15.4938 [  $-(x+4)/(x+1)/(x-1)^3$  ogf]  
A101424 4.10587 [  $\{(-4*n-16)*a(n+4)+(6-n)*a(n+3)+(26+4*n)*a(n+2)+(n+4)*a(n+1), a(0) = 4, a(1) = 9, a(2) = 18, a(3) = 28\}$ , ogf]  
A101425 13.5082  $-(24+28*x+5*x^4-10*x^3-5*x^2)/(x-1)/(x+1)/(5*x^3-10*x^2+12)$  lgdogf  
A101425 15.5578 [  $-(2*x+5)/(x+1)/(x-1)^3$  ogf]  
A101425 4.10232 [  $\{(-5*n-20)*a(n+4)+(6-2*n)*a(n+3)+(34+5*n)*a(n+2)+(8+2*n)*a(n+1), a(0) = 5, a(1) = 12, a(2) = 24, a(3) = 38\}$ , ogf]  
A101426 7.27090  $-(32+102*x+67*x^4+148*x^3-14*x^6-2*x^5+7*x^8+164*x^2)/(x-1)/(x+1)/(x^2+x+1)/(7*x^5-7*x^4-7*x^3+3*x^2+16*x+16)$  lgdogf  
A101426 9.64802 [  $-(3*x^3+9*x^2+9*x+7)/(x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A101427 6.07413 [  $-(x^6+3*x^4+4*x^3+3*x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A101432 10.3260 [  $\{-a(n+4)+a(n+2), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 6\}$ , ogf]  
A101432 17.3911 [  $-(3*x^3+3*x^2+3*x+1)/(x-1)/(x+1)$  ogf]  
A101432 18.3524  $(-3-8*x+3*x^4-12*x^2)/(x-1)/(x+1)/(3*x^3+3*x^2+3*x+1)$  lgdogf  
A101442 14.1480  $-1/2*(-10007-2*x+(100140049+39892*x)^{(1/2)})/(34+x)$  revogf  
A101442 14.4228 [  $-(34*x-10007)/(x-1)^2$  ogf]  
A101442 20.8059  $-2*(-9990+17*x)/(x-1)/(34*x-10007)$  lgdogf  
A101442 8.01264 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 10007, a(1) = 19980\}$ , ogf]  
A101443 11.8906 [  $-(x+1)*(x^4-x^2-1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A101443 12.9459  $-(-1-2*x+x^4-x^3+x^7+2*x^6-3*x^5-9*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^4-x^2-1)$  lgdogf  
A101455 10.3847 [  $\{-a(n+2)-a(n), a(0) = 1, a(1) = 0\}$ , ogf]  
A101455 22.5598 [  $1/(x^2+1)$  ogf]  
A101455 25.7862  $-1/2*(-1+(-(-1+2*x)*(2*x+1))^{(1/2)})/x$  revogf

A101455 26.1078 [[x^3-x] ogf\_with\_Euler\_transform]  
A101455 79.5076 -2\*x/(1+x^2) lgdogf  
A101463 10.9359 [(x^3+x^2+2\*x+1)/(x^4+5\*x^2+1) ogf]  
A101463 11.5171 -(-2+8\*x+x^6+2\*x^5+x^4+4\*x^3+7\*x^2)/(x^3+x^2+2\*x+1)/(x^4+5\*x^2+1) lgdogf  
A101467 5.60801 [(2700\*x^5-5460\*x^4+3579\*x^3-1028\*x^2+147\*x-10)/(x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1)/(10\*x-1) ogf]  
A101478 32.9525 x\*(x^2+1)/(1+x)^4 revogf  
A101478 5.77517 (320\*n+64\*n^2+396)\*a(n+1)+(-16\*n^2-96\*n-144)\*a(n+2)+(n^2+7\*n+12)\*a(n+3), a(0)=4, a(1)=26, a(2)=184 lgdogf  
A101485 4.92263 [{(16\*n^2+48\*n+35)\*a(n+1)-a(n+2), a(0) = 1, a(1) = 3}, ogf]  
A101487 20.8466 x\*(1+x+x^2)/(x^2+4\*x+1)^2 revogf  
A101490 28.7023 x\*(1+x^2-x)/(x^2+1)^2 revogf  
A101496 12.3981 [ -(x-1)\*(x+1)/(x^4+x^3-x^2-x+1) ogf]  
A101496 15.8577 -(1+2\*x^5+x^4-4\*x^3-2\*x^2)/(x-1)/(x+1)/(x^4+x^3-x^2-x+1) lgdogf  
A101497 13.7845 [ -(x-1)\*(x+1)/(x^4+2\*x^3-2\*x+1) ogf]  
A101497 14.4876 -2\*(1-x+x^5+x^4-2\*x^3-2\*x^2)/(x-1)/(x+1)/(x^4+2\*x^3-2\*x+1) lgdogf  
A101498 12.6406 [ -(x-1)\*(x+1)/(x^4+3\*x^3+x^2-3\*x+1) ogf]  
A101498 13.1437 -(3-4\*x+2\*x^5-6\*x^2-4\*x^3+3\*x^4)/(x-1)/(x+1)/(x^4+3\*x^3+x^2-3\*x+1) lgdogf  
A101500 15.6817 -2\*(-1+x-3\*x^2+x^3)/(1+x^2)/(x^2-4\*x+1) lgdogf  
A101501 10.7478 [ -x\*(2\*x-1)/(4\*x-1)/(4\*x^2-2\*x-1) ogf]  
A101501 13.0767 -8\*x\*(3+8\*x^2-9\*x)/(4\*x-1)/(2\*x-1)/(4\*x^2-2\*x-1) lgdogf  
A101501 5.66178 [{-a(n+3)+2\*a(n+2)+12\*a(n+1)-16\*a(n), a(0) = 0, a(1) = 1, a(2) = 0}, ogf]  
A101502 4.75517 [{a(n+4)-2\*a(n+3)-12\*a(n+2)+16\*a(n+1), a(0) = 1, a(1) = 0, a(2) = 4, a(3) = 0}, ogf]  
A101502 8.84059 [ (8\*x^3-8\*x^2-2\*x+1)/(4\*x-1)/(4\*x^2-2\*x-1) ogf]  
A101502 9.41279 8\*x\*(1-4\*x+4\*x^2+4\*x^3)/(-1+4\*x)/(4\*x^2-2\*x-1)/(8\*x^3-8\*x^2-2\*x+1) lgdogf  
A101551 13.3063 -3\*(x^2+1)\*(2\*x^3-2\*x+1)/(x^2+x-1)/(x^4-x^3+2\*x^2-2\*x+1) lgdogf  
A101551 15.2072 [ -x^4/(x^2+x-1)/(x^4-x^3+2\*x^2-2\*x+1) ogf]  
A101552 12.3386 -4\*(1-3\*x+2\*x^7-x^3+3\*x^2)/(x^2-x+1)/(x^4+x^2-2\*x+1)/(x^2+x-1) lgdogf  
A101552 13.2907 [ -x^6/(x^2-x+1)/(x^4+x^2-2\*x+1)/(x^2+x-1) ogf]  
A101553 15.3606 [ -(5\*x+1)/(15\*x^2-1) ogf]  
A101553 16.2162 1/10\*(-1+(1+20\*x+60\*x^2)^(1/2))/(1+3\*x) revogf  
A101553 17.5676 -5\*(1+6\*x+15\*x^2)/(5\*x+1)/(15\*x^2-1) lgdogf  
A101553 9.92529 [{a(n+2)-15\*a(n), a(0) = 1, a(1) = 5}, ogf]  
A101596 16.8290 16/(1-8\*x)^(1/2)/(1+(1-8\*x)^(1/2)) lgdogf  
A101596 4.74933 [{(-8\*n^2-52\*n-84)\*a(n+1)+(n^2+8\*n+12)\*a(n+2), a(0) = 1, a(1) = 8}, ogf]  
A101600 15.5401 12/(1-12\*x)^(1/2)/(1+(1-12\*x)^(1/2)) lgdogf  
A101600 5.38888 [{(-12\*n-30)\*a(n+1)+(n+4)\*a(n+2), a(0) = 1, a(1) = 6}, ogf]  
A101600 50.8585 x/(1+3\*x)^2 revogf  
A101601 14.2110 18/(1-12\*x)^(1/2)/(1+(1-12\*x)^(1/2)) lgdogf  
A101601 21.3165 8\*x/(1+(1+12\*x)^(1/2))^3 revogf  
A101601 4.21901 [{(-12\*n^2-66\*n-90)\*a(n+1)+(n^2+7\*n+10)\*a(n+2), a(0) = 1, a(1) = 9}, ogf]  
A101602 15.0942 24/(1-12\*x)^(1/2)/(1+(1-12\*x)^(1/2)) lgdogf  
A101602 4.40437 [{(-12\*n^2-78\*n-126)\*a(n+1)+(n^2+8\*n+12)\*a(n+2), a(0) = 1, a(1) = 12}, ogf]  
A101604 15.9374 [ -1/(x+1)/(2\*x^2+3\*x-1) ogf]  
A101604 17.7933 -2\*(1+5\*x+3\*x^2)/(x+1)/(2\*x^2+3\*x-1) lgdogf  
A101604 5.83422 [{-a(n+3)+2\*a(n+2)+5\*a(n+1)+2\*a(n), a(0) = 1, a(1) = 2, a(2) = 9}, ogf]  
A101617 10.5773 [ -(3\*x+1)\*(2\*x^2-1)/(2\*x+1)/(x-1)/(4\*x^2-x-1) ogf]  
A101617 9.75984 -(1+6\*x+32\*x^5+48\*x^6+11\*x^2-20\*x^3-54\*x^4)/(x-1)/(1+2\*x)/(3\*x+1)/(2\*x^2-1)/(4\*x^2-x-1) lgdogf  
A101622 13.5566 [ x\*(4\*x+1)/(x-1)/(2\*x-1)/(x+1) ogf]

A101622 14.3205  $-2*(-3-x+8*x^3+x^2)/(x-1)/(2*x-1)/(4*x+1)/(x+1)$  lgdogf  
A101622 6.96152  $[ \{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 0, a(1) = 1, a(2) = 6\},$   
ogf ]  
A101667 7.23572  $[ -(x^{11}+2*x^{10}+x^9-3*x^8+2*x^7+x^6-3*x^5+x^4+2*x^3-3*x^2+x+3)/($   
 $(x-1)/(x+1)/(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)$  ogf ]  
A101675 16.0031  $[ -(x^2+x-1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A101675 18.6921  $-(-1-4*x+2*x^5+x^2-4*x^3+3*x^4)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1)$   
lgdogf  
A101676 16.2224  $-x*(4+2*x^4+3*x^5-5*x+6*x^2-7*x^3)/(x-1)/(x^2+x+1)/(x^2-x+1)/$   
 $(x^2+x-1)$  lgdogf  
A101676 9.73101  $[ (x^2+x-1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A101677 11.2188  $[ -(x^2+x-1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf ]  
A101677 17.1091  $-(-1+5*x+3*x^5-7*x^4+7*x^3-5*x^2+4*x^6)/(x-1)/(x^2+x+1)/(x^2-x$   
 $+1)/(x^2+x-1)$  lgdogf  
A101686 6.43375  $[ \{(n^2+4*n+5)*a(n+1)-a(n+2), a(0) = 1, a(1) = 2\},$  ogf ]  
A101785 27.3593  $x*(x-1)*(1+x)/(-1-x+x^2)$  revogf  
A101786 24.7188  $x*(-1+2*x^2)/(2*x+1)/(x-1)$  revogf  
A101822 18.9364  $[ -1/(3*x^3+2*x^2+x-1)$  ogf ]  
A101822 21.4701  $-(1+4*x+9*x^2)/(2*x^2-1+x+3*x^3)$  lgdogf  
A101822 6.25578  $[ \{a(n+3)-a(n+2)-2*a(n+1)-3*a(n), a(0) = 1, a(1) = 1, a(2) = 3\},$   
ogf ]  
A101825 10.3857  $[ \{-a(n+4)+a(n+1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 1\},$  ogf ]  
A101825 18.6158  $[ -x*(x+1)^2/(x-1)/(x^2+x+1)$  ogf ]  
A101825 27.0188  $-(2+x^3+3*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A101825 33.9521  $[ 1/2*(x-2)^2$  egf\_with\_Euler\_transform ]  
A101850 10.4499  $(4-15*x-4*x^2+3*(-(-1+4*x)*x^2)^{(1/2)})/(-1+4*x)/(x^2+8*x-2)$   
lgdogf  
A101853 10.1578  $[ (x^2-6*x+6)/(x-1)^4$  ogf ]  
A101853 21.4416  $-2*(9-8*x+x^2)/(x-1)/(x^2-6*x+6)$  lgdogf  
A101854 23.9276  $-(3*x-4)*(x-6)/(x-1)/(x^2-6*x+6)$  lgdogf  
A101854 3.82519  $[ \{(-6*n-24)*a(n+4)+(60+12*n)*a(n+3)+(-36-7*n)*a(n+2)+(n+4)*a(n$   
 $+1), a(0) = 6, a(1) = 24, a(2) = 61, a(3) = 125\},$  ogf ]  
A101854 9.87770  $[ -(x^2-6*x+6)/(x-1)^5$  ogf ]  
A101855 20.8043  $-2*(15-14*x+2*x^2)/(x-1)/(x^2-6*x+6)$  lgdogf  
A101855 3.74162  $[ \{(-6*n-24)*a(n+4)+(66+12*n)*a(n+3)+(-42-7*n)*a(n+2)+(5+n)*a(n$   
 $+1), a(0) = 6, a(1) = 30, a(2) = 91, a(3) = 216\},$  ogf ]  
A101855 8.67375  $[ (x^2-6*x+6)/(x-1)^6$  ogf ]  
A101859 14.5325  $[ x*(10*x-11)/(x-1)^3$  ogf ]  
A101859 31.3172  $-(-23+20*x)/(x-1)/(10*x-11)$  lgdogf  
A101859 7.58778  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 11, a(2) =$   
 $23\},$  ogf ]  
A101860 15.1574  $-2*(12+5*x^3-15*x^2)/(x-1)/(10*x^3-30*x^2+20*x+1)$  lgdogf  
A101860 3.78784  $[ \{(431*n^2+2517*n+3310)*a(n+1)+(-908*n^2-5046*n-6604)*a(n$   
 $+2)+(477*n^2+2391*n+2880)*a(n+3), a(0) = 1, a(1) = 24, a(2) = 60\},$  ogf ]  
A101860 9.46960  $[ (10*x^3-30*x^2+20*x+1)/(x-1)^4$  ogf ]  
A101861 13.7828  $-(-84+116*x+2*x^3-39*x^2)/(x-1)/(-2+x)/(x^2-12*x+12)$  lgdogf  
A101861 3.99474  $[ \{(-4*n^2-25*n-39)*a(n+1)+(8*n^2+23*n-63)*a(n+2)+(-4*n^2+2*n$   
 $+42)*a(n+3), a(0) = 24, a(1) = 84, a(2) = 194\},$  ogf ]  
A101861 8.12264  $[ (x-2)*(x^2-12*x+12)/(x-1)^5$  ogf ]  
A101862 13.2603  $-(-108+152*x+3*x^3-53*x^2)/(x-1)/(-2+x)/(x^2-12*x+12)$  lgdogf  
A101862 4.45992  $[ \{(-4*n^2-33*n-68)*a(n+1)+(8*n^2+31*n-69)*a(n+2)+(-4*n^2+2*n$   
 $+42)*a(n+3), a(0) = 24, a(1) = 108, a(2) = 302\},$  ogf ]  
A101862 8.28915  $[ -(x-2)*(x^2-12*x+12)/(x-1)^6$  ogf ]  
A101879 11.1549  $-(-1-6*x+13*x^2-8*x^3+2*x^4)/(x-1)/(x^2-4*x+1)/(2*x^2-4*x+1)$   
lgdogf  
A101879 12.9464  $[ -(2*x^2-4*x+1)/(x-1)/(x^2-4*x+1)$  ogf ]  
A101879 7.05117  $[ \{-a(n+3)+5*a(n+2)-5*a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 2\},$   
ogf ]  
A101881 11.0676  $[ (x^3-x-1)/(x+1)^2/(x-1)^3$  ogf ]  
A101881 18.5755  $-(-2-6*x+2*x^4+x^3-x^2)/(x-1)/(x+1)/(x^3-x-1)$  lgdogf  
A101882 10.8911  $-(-2-4*x+2*x^7+4*x^6+2*x^5+x^4-3*x^3-9*x^2)/(x-1)/(x^2+x+1)/$



$(x^5+x^4-x^2-x-1)$  lgdogf  
A101882 9.19420 [  $(x^5+x^4-x^2-x-1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A101883 7.92751 [  $(-2-4*x-5*x^4-12*x^3+3*x^6-x^5+2*x^{10}+4*x^9+6*x^8+3*x^7-6*x^2)/(x-1)/(x+1)/(x^2+1)/(x^7+x^6+x^5-x^3-x^2-x-1)$  lgdogf]  
A101883 8.08070 [  $(x^7+x^6+x^5-x^3-x^2-x-1)/(x^2+1)^2/(x+1)^2/(x-1)^3$  ogf]  
A101890 12.2733 [  $(3*x^2-3*x+1)*(x^2+x-3)/(x-1)/(x^4+2*x^3-5*x^2+4*x-1)$  lgdogf]  
A101890 9.70475 [  $x^2*(x-1)/(x^4+2*x^3-5*x^2+4*x-1)$  ogf]  
A101891 12.8937 [  $(-1+2*x+x^4-4*x^3-x^2)/(x-1)/(x^4+2*x^3-5*x^2+4*x-1)$  lgdogf]  
A101891 9.05325 [  $(x-1)^3/(x^4+2*x^3-5*x^2+4*x-1)$  ogf]  
A101892 10.1527 [  $x^2*(x-1)/(2*x^2-2*x+1)/(x^2+2*x-1)$  ogf]  
A101892 11.3716 [  $(-3+10*x-11*x^2-4*x^3+6*x^4)/(x-1)/(2*x^2-2*x+1)/(x^2+2*x-1)$  lgdogf]  
A101893 11.3188 [  $x^2*(x-1)/(2*x^4-4*x^2+4*x-1)$  ogf]  
A101893 12.8989 [  $(-3+8*x+6*x^4-8*x^3-4*x^2)/(x-1)/(2*x^4-4*x^2+4*x-1)$  lgdogf]  
A101912 4.90727 [  $(x^{20}+x^{18}+x^{16}+x^{10}+x^8+x^4+x^2+1)/(x^{21}+x^{20}+x^{18}+x^{17}+x^{16}+x^{10}+x^9+x^8+x^5+x^4+x^2+x+1)$  ogf]  
A101914 12.0478 [  $(x^{16}+x^4+1)/(x^{17}+x^{16}+x^4+x+1)$  ogf]  
A101915 12.1198 [  $(x^2+x+1)*(x^8-x^7+x^5-x^4+x^3-x+1)*(x^{15}-x^{10}+1)/(x^{26}+x^{25}+x^5+x+1)$  ogf]  
A101916 8.92342 [  $(-x^{37}-x^{36}+x^{31}-x^6-1)/(x^{36}-x^{32}-x^{31}+x^6+x+1)$  ogf]  
A101917 18.6475 [  $(x+1)*(x^6-x^5+x^4-x^3+x^2-x+1)/(x^7+x+1)$  ogf]  
A101917 19.4377 [  $(-1+6*x^7)/(x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)/(x^7+x+1)$  lgdogf]  
A101918 19.2214 [  $(x^8+1)/(x^2+x+1)/(x^6-x^5+x^3-x^2+1)$  ogf]  
A101918 22.1622 [  $(-1+7*x^8)/(x^6-x^5+x^3-x^2+1)/(x^2+x+1)/(1+x^8)$  lgdogf]  
A101927 4.73954 [  $\{(4*n^2+12*n+10)*a(n+1)+a(n+2), a(0) = 1, a(1) = -2\}$ , ogf]  
A101928 7.58474 [  $\{(4*n^2+8*n+5)*a(n+1)+a(n+2), a(0) = 1, a(1) = -1\}$ , ogf]  
A101945 11.2072 [  $(2*x^2-2*x-1)/(2*x-1)/(x-1)^2$  ogf]  
A101945 13.4007 [  $-2*(3-4*x+2*x^3-2*x^2)/(x-1)/(2*x-1)/(2*x^2-2*x-1)$  lgdogf]  
A101945 6.04992 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 6, a(2) = 17\}$ , ogf]  
A101946 13.6198 [  $-(2*x^2+1)/(2*x-1)/(x-1)^2$  ogf]  
A101946 14.8897 [  $-2*(-2+x+2*x^3+2*x^2)/(x-1)/(2*x-1)/(2*x^2+1)$  lgdogf]  
A101946 6.87014 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 4, a(2) = 13\}$ , ogf]  
A101947 13.1492 [  $(2+10*x^9+9*x^{11}-19*x^{10})/(x-1)/(x^2-x+1)/(x^9-x^7-x^6+x^4+x^3-x-1)$  lgdogf]  
A101947 15.2221 [  $(-x^2-x+1)*(x^9-x^7-x^6+x^4+x^3-x-1)/(x-1)^2$  ogf]  
A101947 9.83696 [  $(-x^{32}-x^{29}-2*x^{22}+x^{10}+x^9+2)/(x^{22}-x^{10}-1)$  ogf\_with\_Euler\_transform]  
A101986 10.2914 [  $-x*(x+1)*(x-2)/(x-1)^4$  ogf]  
A101986 23.1268 [  $(-9-x+2*x^2)/(x-1)/(-2+x)/(x+1)$  lgdogf]  
A101986 3.81356 [  $\{(-6-2*n)*a(n+4)+(11+n)*a(n+3)+(3+2*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 9, a(3) = 23\}$ , ogf]  
A101990 10.1422 [  $(3*x+1)*(27*x^3-21*x^2+9*x+1)/(3*x-1)/(3*x^2+1)/(9*x^2-2*x+1)$  lgdogf]  
A101990 12.2909 [  $(-9*x^2-2*x+1)/(3*x-1)/(3*x^2+1)$  ogf]  
A101990 6.69415 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-9*a(n), a(0) = 1, a(1) = 1, a(2) = 9\}$ , ogf]  
A102000 9.11727 [  $-2*(-1-2*x-16*x^4-24*x^3-x^2+16*x^6)/(4*x^3-x-1)/(8*x^4+4*x^3+2*x^2+x-1)$  lgdogf]  
A102000 9.70684 [  $(4*x^3-x-1)/(8*x^4+4*x^3+2*x^2+x-1)$  ogf]  
A102001 12.4339 [  $(-4*x^2+2*x+1)/(4*x^3+2*x^2+x-1)$  ogf]  
A102001 6.77204 [  $\{a(n+3)-a(n+2)-2*a(n+1)-4*a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A102001 6.87785 [  $(3+12*x+16*x^4+16*x^3+12*x^2)/(4*x^2+2*x+1)/(4*x^3+2*x^2+x-1)$  lgdogf]  
A102002 12.3431 [  $(7+12*x+16*x^4+48*x^3+20*x^2)/(4*x^2+6*x+1)/(4*x^3+2*x^2+x-1)$  lgdogf]  
A102002 12.7684 [  $(-4*x^2+6*x+1)/(4*x^3+2*x^2+x-1)$  ogf]  
A102002 6.89270 [  $\{a(n+3)-a(n+2)-2*a(n+1)-4*a(n), a(0) = 1, a(1) = 7, a(2) = 13\}$ , ogf]

A102026 6.24458  $(4+6*x+x^{10}+2*x^9+4*x^8+8*x^7+15*x^6+14*x^5+10*x^4+8*x^3+7*x^2)/(x^5+x^4+x^3+x^2+x-1)/(x^6+2*x^5+x^4-x^2-2*x-2)$  lgdogf  
A102026 7.00011  $[(x^6+2*x^5+x^4-x^2-2*x-2)/(x^5+x^4+x^3+x^2+x-1)$  ogf]  
A102039 10.5271  $[(5*x^4+2*x^3+2*x^2+1)/(x^2+1)/(x-1)^2$  ogf]  
A102039 12.3007  $-2*(1+x+6*x^5+9*x^3-2*x^4+5*x^2)/(x-1)/(5*x^4+2*x^3+2*x^2+1)/(x^2+1)$  lgdogf  
A102040 10.3821  $[(5*x^4-4*x^3+6*x^2+3)/(x^2+1)/(x-1)^2$  ogf]  
A102040 13.0918  $-2*(3+3*x+3*x^5-x^4+12*x^3)/(x-1)/(x^2+1)/(5*x^4-4*x^3+6*x^2+3)$  lgdogf  
A102041 10.2870  $[-(5*x^4-4*x^3-4*x^2-7)/(x^2+1)/(x-1)^2$  ogf]  
A102041 11.0425  $-2*(-7+3*x-20*x^2+12*x^3-11*x^4+3*x^5)/(x-1)/(x^2+1)/(5*x^4-4*x^3-4*x^2-7)$  lgdogf  
A102041 4.36255  $[ \{ (-n-4)*a(n)+(n+3)*a(n+1)+(-n-4)*a(n+2)+(n+3)*a(n+3), a(0) = 7, a(1) = 14, a(2) = 18, a(3) = 26 \}$  , ogf]  
A102042 10.3367  $[-(5*x^4+2*x^3-8*x^2-9)/(x^2+1)/(x-1)^2$  ogf]  
A102042 11.5658  $-2*(-9+x+6*x^5-12*x^4+9*x^3-15*x^2)/(x-1)/(x^2+1)/(5*x^4+2*x^3-8*x^2-9)$  lgdogf  
A102071 4.11614  $[ \{ (-3*n^2-15*n-18)*a(n+1)+(-5*n^2-40*n-75)*a(n+2)+(-n^2-13*n-45)*a(n+3)+(n^2+12*n+32)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 17 \}$  , ogf]  
A102080 11.9642  $[-2*(2*x^3-4*x-1)/(x+1)/(x^3-x^2-3*x+1)$  ogf]  
A102080 7.58759  $-(16+44*x+17*x^2-20*x^3-8*x^4+4*x^5+x^6)/(x+1)/(x^3-x^2-3*x+1)/(x^3+2*x^2-4*x-6)$  lgdogf  
A102081 6.03490  $[-(4*x^3+3*x^2-4*x-1)/(x-1)/(x+1)/(x^2+x-1)$  ogf]  
A102081 9.07220  $-(4+10*x+x^6+10*x^5+10*x^4-16*x^3-15*x^2)/(x-1)/(x+1)/(x^2+x-1)/(x^3+5*x^2+x-5)$  lgdogf  
A102083 13.5689  $[-(5*x^2+10*x+1)/(x-1)^3$  ogf]  
A102083 22.3255  $-(13+30*x+5*x^2)/(x-1)/(5*x^2+10*x+1)$  lgdogf  
A102083 7.37958  $[ \{ a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 13, a(2) = 41 \}$  , ogf]  
A102090 3.79121  $[-(3*x^7+5*x^6-40*x^5-36*x^4+122*x^3+66*x^2-87*x-47)/(x+1)/(x^2-x-1)/(x^5-x^4-9*x^3+9*x^2+5*x-1)$  ogf]  
A102091 10.4516  $-2*(4-13*x+x^4-7*x^3+17*x^2)/(x-1)/(x-3)/(2*x-1)/(x^2-4*x+1)$  lgdogf  
A102091 12.0580  $[-4*(2*x-1)*(x-3)/(x-1)/(x^2-4*x+1)$  ogf]  
A102091 6.54876  $[ \{-a(n+3)+5*a(n+2)-5*a(n+1)+a(n), a(0) = 12, a(1) = 32, a(2) = 108 \}$  , ogf]  
A102094 10.2772  $[(x^3-x^2+39*x+9)/(x-1)^4$  ogf]  
A102094 18.3065  $-(75+115*x+x^3+x^2)/(-1+x)/(x^3-x^2+39*x+9)$  lgdogf  
A102094 4.30981  $[ \{ (-2*n^2-11*n-14)*a(n+1)+(-10*n^2-97*n-204)*a(n+2)+(12*n^2+66*n+90)*a(n+3), a(0) = 9, a(1) = 75, a(2) = 245 \}$  , ogf]  
A102105 11.3973  $[(2*x^2-3*x-1)/(x-1)/(3*x-1)/(5*x-1)$  ogf]  
A102105 6.18989  $[ \{ a(n+3)-9*a(n+2)+23*a(n+1)-15*a(n), a(0) = 1, a(1) = 12, a(2) = 83 \}$  , ogf]  
A102105 8.38346  $-2*(-6+25*x+3*x^2-45*x^3+15*x^4)/(x-1)/(-1+3*x)/(5*x-1)/(2*x^2-3*x-1)$  lgdogf  
A102126 3.54222  $[(x^6-2*x^5+2*x^4-3*x^2+2*x+1)/(x-1)^2$  ogf]  
A102129 10.6943  $-2*(x+2)*(x^3-3*x^2-x-1)/(x-1)/(2*x+1)/(x+1)/(x^2+4*x-1)$  lgdogf  
A102129 11.9785  $[(2*x+1)*(x-1)/(x+1)/(x^2+4*x-1)$  ogf]  
A102129 6.46625  $[ \{-a(n+3)+3*a(n+2)+5*a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 15 \}$  , ogf]  
A102147 3.65310  $[ \{ (4*n^2+6*n)*a(n)+(-2*n^2-11*n-10)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 1 \}$  , ogf]  
A102206 10.4876  $-2*(4-13*x+x^4-7*x^3+17*x^2)/(x-1)/(x-3)/(2*x-1)/(x^2-4*x+1)$  lgdogf  
A102206 12.4449  $[-(2*x-1)*(x-3)/(x-1)/(x^2-4*x+1)$  ogf]  
A102206 6.71803  $[ \{-a(n+3)+5*a(n+2)-5*a(n+1)+a(n), a(0) = 3, a(1) = 8, a(2) = 27 \}$  , ogf]  
A102207 11.6546  $[(3*x-4)/(x-1)/(x^2-4*x+1)$  ogf]  
A102207 12.1030  $-(-17+40*x-27*x^2+6*x^3)/(x-1)/(3*x-4)/(1-4*x+x^2)$  lgdogf  
A102207 5.41835  $[ \{-a(n+3)+5*a(n+2)-5*a(n+1)+a(n), a(0) = 4, a(1) = 17, a(2) =$

65}], ogf]

A102214 13.1915 [  $-(2*x+1)^2/(x+1)/(x-1)^3$  ogf]

A102214 21.9245  $-2*(3+4*x+2*x^2)/(x-1)/(2*x+1)/(x+1)$  lgdogf

A102214 4.21299 [  $\{(-n-4)*a(n+4)-2*n*a(n+3)+(10+n)*a(n+2)+(6+2*n)*a(n+1), a(0) = 1, a(1) = 6, a(2) = 16, a(3) = 30\}$ , ogf]

A102231 5.04544  $(-6*n+12*n^2)*a(n)+(-80-77*n-29*n^2)*a(n+1)+(128+56*n+8*n^2)*a(n+2)+(40+28*n+4*n^2)*a(n+3), a(0)=0, a(1)=1, a(2)=-5$  revogf

A102237 8.35180  $(9-12*x-16*x^4-144*x^3+48*x^2+256*x^5)/(2*x-1)/(32*x^5+24*x^4-12*x^3+6*x^2-5*x-2)$  lgdogf

A102237 9.58656 [  $(32*x^5+24*x^4-12*x^3+6*x^2-5*x-2)/(2*x-1)$  ogf]

A102239 10.0839 [  $-(5*x^2-2*x-1)/(x-1)/(5*x-1)/(x+1)$  ogf]

A102239 5.44351 [  $\{a(n+3)-5*a(n+2)-a(n+1)+5*a(n), a(0) = 1, a(1) = 7, a(2) = 31\}$ , ogf]

A102239 9.56750  $-(7-8*x+25*x^4-20*x^3+12*x^2)/(x-1)/(5*x-1)/(x+1)/(5*x^2-2*x-1)$  lgdogf

A102283 10.2272 [  $\{-a(n+2)-a(n+1)-a(n), a(0) = 0, a(1) = 1\}$ , ogf]

A102283 22.3893 [  $x/(x^2+x+1)$  ogf]

A102283 33.0680 [  $[x^2-1]$  ogf\_with\_Euler\_transform]

A102283 63.0870  $-(1+2*x)/(x^2+x+1)$  lgdogf

A102285 12.8450 [  $-(x-1)/(7*x^2-6*x+1)$  ogf]

A102285 13.7966  $-1/2*(-1-6*x+(1+8*x+8*x^2)^{(1/2)})/(7*x+1)$  revogf

A102285 16.1617  $-(5-14*x+7*x^2)/(x-1)/(7*x^2-6*x+1)$  lgdogf

A102285 7.04907 [  $\{-a(n+2)+6*a(n+1)-7*a(n), a(0) = 1, a(1) = 5\}$ , ogf]

A102289 3.59875 [  $\{(n^3+8*n^2+20*n+16)*a(n+1)+(-n^2-8*n-16)*a(n+2)+(-n-4)*a(n+3)+a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 15\}$ , ogf]

A102290 8.14121  $-(2+9*x+2*x^5-8*x^4+7*x^3-8*x^2)/(x+1)/(x^3-2*x^2-1)/(x-1)^2$  lgdegf

A102290 10.3055  $-(3-11*x+14*x^2-7*x^3+3*x^4)/(x+1)/(2-x+x^2)/(-1+x)^2$  lgdegf

A102290 4.45036 [  $\{(n+1)*a(n+3)+(-1-n)*a(n+2)+(-n-2)*a(n+1)+n*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , egf]

A102296 10.9907 [  $(x+1)*(3*x+2)/(x-1)^4$  ogf]

A102296 20.6584  $-(13+21*x+6*x^2)/(x-1)/(3*x+2)/(x+1)$  lgdogf

A102296 3.77292 [  $\{(2*n+8)*a(n+4)+(-4+3*n)*a(n+3)+(-25-2*n)*a(n+2)+(-9-3*n)*a(n+1), a(0) = 2, a(1) = 13, a(2) = 43, a(3) = 102\}$ , ogf]

A102301 14.0190 [  $-1/(x-1)/(x+1)/(2*x-1)^2$  ogf]

A102301 19.2417  $-2*(-2-x+4*x^2)/(x-1)/(2*x-1)/(x+1)$  lgdogf

A102301 3.43464 [  $\{(-n-4)*a(n+4)+(10+2*n)*a(n+3)+(n+4)*a(n+2)+(-10-2*n)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 13, a(3) = 36\}$ , ogf]

A102302 11.9816  $-(3-5*x+x^7-x^5+3*x^6-11*x^3+x^4-x^2)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3-x^2-3)$  lgdogf

A102302 12.3816 [  $-(x^4+x^3-x^2-3)/(x^2+1)/(x+1)/(x-1)^2$  ogf]

A102303 5.16962 [  $\{a(n+3)-7*a(n+2)-a(n+1)+7*a(n), a(0) = 1, a(1) = 9, a(2) = 57\}$ , ogf]

A102303 9.22878  $-(7*x^2-6*x+3)*(7*x^2+2*x+3)/(x-1)/(7*x-1)/(x+1)/(7*x^2-2*x-1)$  lgdogf

A102303 9.57651 [  $-(7*x^2-2*x-1)/(x-1)/(7*x-1)/(x+1)$  ogf]

A102305 12.9463 [  $-(3*x^2-7*x+6)/(x-1)^3$  ogf]

A102305 22.1211  $-(11-8*x+3*x^2)/(x-1)/(3*x^2-7*x+6)$  lgdogf

A102305 6.92741 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 6, a(1) = 11, a(2) = 18\}$ , ogf]

A102307 10.2969  $-2*(8*x-3+(1-12*x+16*x^2)^{(1/2)})/(1-12*x+16*x^2)$  lgdogf

A102312 11.6257  $1/2*(-5-11*x+(5+22*x+25*x^2)^{(1/2)})*5^{(1/2)}/x$  revogf

A102312 17.7379 [  $-5*x/(x^2+11*x-1)$  ogf]

A102312 23.7799  $-(11+2*x)/(x^2-1+11*x)$  lgdogf

A102312 8.21999 [  $\{-a(n+2)+11*a(n+1)+a(n), a(0) = 0, a(1) = 5\}$ , ogf]

A102314 10.0817 [  $-(x^{12}+x^{10}+x^8+2*x^6+x^4+x^2+1)/(-x^{14}+1)$  ogf\_with\_Euler\_transform]

A102315 14.4771 [  $-(2*x^4-4*x^2-2)/(-x^6+1)$  ogf\_with\_Euler\_transform]

A102341 10.7448 [  $12/(x^2-14*x+1)/(x^2+4*x+1)$  ogf]

A102341 11.1628  $-2*(-5-54*x+2*x^3-15*x^2)/(x^2-14*x+1)/(x^2+4*x+1)$  lgdogf

A102344 12.7131  $(7-2*x+7*x^2)/(1-14*x+x^2)/(x^2-21*x+2)$  lgdogf

A102344 13.3446  $[(x^2-21x+2)/(x^2-14x+1) \text{ ogf}]$   
A102344 7.05725  $[\{a(n+3)-14a(n+2)+a(n+1), a(0) = 2, a(1) = 7, a(2) = 97\}, \text{ ogf}]$   
A102345 14.3356  $[2*(x-1)/(x+1)/(3x-1) \text{ ogf}]$   
A102345 18.0592  $-(-1-6x+3x^2)/(x-1)/(3x-1)/(x+1) \text{ lgdogf}$   
A102345 7.86712  $[\{-a(n+2)+2a(n+1)+3a(n), a(0) = 2, a(1) = 2\}, \text{ ogf}]$   
A102352 14.8632  $[-(x^7-x^6+x-2)/(x-1)^2 \text{ ogf}]$   
A102352 20.2170  $(3-x+5x^7-11x^6+6x^5)/(x-1)/(x^7-x^6+x-2) \text{ lgdogf}$   
A102403 32.6556  $-x*(x-1)/(1-x^2+x^3) \text{ revogf}$   
A102406 13.9758  $1/2*((1+x)^{(1/2)}*(4x^2-3x+1)^{(1/2)}-1+x-2x^2)/x/(x-1) \text{ revogf}$   
A102407 15.1464  $1/2/(1+x)*(x-1+(-(x-1)*(4x^2+3x+1))^{(1/2)}) \text{ revogf}$   
A102420 9.39225  $[-x^8-x^7-x^6-x^5+x^3+x^2+x+1 \text{ ogf\_with\_Euler\_transform}]$   
A102422 10.5229  $[-(x-1)*(x^4+x^3+x^2+x+1)^2 \text{ ogf\_with\_Euler\_transform}]$   
A102429 9.02186  $[(x^3-x^2-1)/(x-1)/(x^4-2x^2-x+1) \text{ ogf}]$   
A102429 9.68628  $-(-2-4x+2x^7-4x^6+2x^5-4x^4+11x^2)/(x-1)/(x^3-x^2-1)/(x^4-2x^2-x+1) \text{ lgdogf}$   
A102436 11.7185  $[-(x-1)/(x^3-4x^2-6x+1) \text{ ogf}]$   
A102436 13.8387  $-(5+8x+2x^3-7x^2)/(x-1)/(x^3-4x^2-6x+1) \text{ lgdogf}$   
A102436 5.49630  $[\{-a(n+3)+6a(n+2)+4a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 34\}, \text{ ogf}]$   
A102438 11.1378  $[\{-a(n+2)+2a(n+1)-a(n), a(0) = 44, a(1) = 144\}, \text{ ogf}]$   
A102438 19.8146  $-(-22-x+2*(121+25x)^{(1/2)})/(-56+x) \text{ revogf}$   
A102438 20.1427  $[4*(14x+11)/(x-1)^2 \text{ ogf}]$   
A102438 25.6855  $-2*(18+7x)/(14x+11)/(x-1) \text{ lgdogf}$   
A102439 15.8230  $[4*(24x+1)/(x-1)^2 \text{ ogf}]$   
A102439 22.2814  $-(-2-x+2*(1+25x)^{(1/2)})/(-96+x) \text{ revogf}$   
A102439 26.4076  $-2*(13+12x)/(24x+1)/(x-1) \text{ lgdogf}$   
A102439 8.66500  $[\{-a(n+2)+2a(n+1)-a(n), a(0) = 4, a(1) = 104\}, \text{ ogf}]$   
A102446 20.0942  $1/8/x*(-x-2+(17x^2+4x+4)^{(1/2)}) \text{ revogf}$   
A102446 23.6023  $[-2/(4x^2+x-1) \text{ ogf}]$   
A102446 33.1554  $-(1+8x)/(4x^2+x-1) \text{ lgdogf}$   
A102446 9.49848  $[\{-a(n+2)+a(n+1)+4a(n), a(0) = 2, a(1) = 2\}, \text{ ogf}]$   
A102484 7.01106  $(9119-8899x+8091900x^{11}-17090100x^{10}+9000000x^9)/(x-1)/(899100x^{11}-900000x^{10}+8899x-9009) \text{ lgdogf}$   
A102484 8.69365  $[-(899100x^{11}-900000x^{10}+8899x-9009)/(x-1)^2 \text{ ogf}]$   
A102485 16.7722  $[(2x+1)/(2x-1)/(3x-1) \text{ ogf}]$   
A102485 18.0869  $-(-7+12x+12x^2)/(3x-1)/(2x+1)/(2x-1) \text{ lgdogf}$   
A102485 18.0869  $-1/4*(-1-5x+1+18x+x^2)^{(1/2)})/(-1+3x) \text{ revogf}$   
A102485 9.20423  $[\{-a(n+2)+5a(n+1)-6a(n), a(0) = 1, a(1) = 7\}, \text{ ogf}]$   
A102486 17.7908  $[-2*(x-1)/(5x^2-4x+1) \text{ ogf}]$   
A102486 23.1049  $-(-1-2x+(-x^2+1+2x)^{(1/2)})/(2+5x) \text{ revogf}$   
A102486 23.7651  $-(3-10x+5x^2)/(x-1)/(5x^2-4x+1) \text{ lgdogf}$   
A102486 9.76324  $[\{-a(n+2)+4a(n+1)-5a(n), a(0) = 2, a(1) = 6\}, \text{ ogf}]$   
A102487 7.30070  $[x*(3x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$   
A102488 6.09939  $[(x^{26}+x^{25}+10x^{24}-10x^{20}+x^2+x+10)/(x+1)/(x^8+1)/(x^{16}-x^8+1)/(x-1)^2 \text{ ogf}]$   
A102489 7.28781  $[x*(7x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$   
A102491 7.06388  $[x*(11x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$   
A102492 6.73803  $[(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+10)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$   
A102493 6.78502  $[x*(51x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$   
A102516 10.2167  $-(-2+6x+5x^6-6x^5+2x^3-6x^2)/(x-1)/(x^2+x-1)/(x^4-x^3+2x^2-2x+1) \text{ lgdogf}$   
A102516 11.3289  $[x*(x-1)/(x^2+x-1)/(x^4-x^3+2x^2-2x+1) \text{ ogf}]$   
A102517 13.6385  $[(x^2+1)/(x^2-x+1)/(2x^2+1) \text{ ogf}]$   
A102517 17.8505  $-(2x^2-x+1)*(2x^3+3x-1)/(1+x^2)/(x^2-x+1)/(1+2x^2) \text{ lgdogf}$   
A102518 14.9676  $1/12+3/4x-1/12*(1-6x+81x^2)^{(1/2)} \text{ revogf}$   
A102518 18.5963  $[(-1+6x)/(9x-1) \text{ ogf}]$

A102518 31.6960  $3/(9*x-1)/(6*x-1)$  lgdogf  
A102518 9.55642  $[ \{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 3\}, \text{ogf}]$   
A102526 7.88462  $-(1+2*x^9+4*x^8+6*x^7+2*x^6-2*x^5+x^4-2*x^3-5*x^2)/(x+1)/(x^2+x-1)/(x^3+x-1)/(x^4+x^2-1)$  lgdogf  
A102526 8.31504  $[ -(x+1)*(x^3+x-1)/(x^2+x-1)/(x^4+x^2-1)$  ogf]  
A102543 5.89043  $-(-2*x^4+3*x^14+6*x^12+x^2-4*x^3+2*x^5-3*x^8+x^6+9*x^10-2*x^9+1)/(x^3+x-1)/(x^6+x^4+x^2-1)/(x^6+x^2-1)$  lgdogf  
A102543 9.61813  $[ -(x^6+x^4+x^2-1)/(x^3+x-1)/(x^6+x^2-1)$  ogf]  
A102560 12.8435  $[ (x^2+x+1)/(x^2+1)/(x+1)$  ogf]  
A102560 26.9626  $[ [x^3-x^2]$  ogf\_with\_Euler\_transform]  
A102560 28.6172  $-x^2*(3+2*x+x^2)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A102560 7.12232  $[ \{-a(n+3)-a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = 0\}, \text{ogf}]$   
A102561 16.8170  $[ (2*x^3-1)/(2*x^2-1)/(2*x^2+1)$  ogf]  
A102561 18.1946  $-2*x^2*(4*x^4-8*x+3)/(2*x^2-1)/(2*x^2+1)/(2*x^3-1)$  lgdogf  
A102572 13.3881  $[ -x^3*(x^48-x^12-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x^8-x^4+1)/(x^16-x^8+1)/(x-1)^2$  ogf]  
A102572 7.78142  $(125+1500*x^11+1180*x^24-1200*x^23+79*x^48-768*x^47-944*x^36+960*x^35-1475*x^12)/(x-1)/(689*x^48-16*x^36+20*x^24-25*x^12-125)$  lgdogf  
A102591 13.1146  $[ -(2*x-1)/(4*x^2-8*x+1)$  ogf]  
A102591 13.7661  $-1/4*(-1-8*x+(1+8*x+48*x^2)^(1/2))/(2*x+1)$  revogf  
A102591 14.8250  $-2*(3-4*x+4*x^2)/(-1+2*x)/(1-8*x+4*x^2)$  lgdogf  
A102591 7.19706  $[ \{a(n+2)-8*a(n+1)+4*a(n), a(0) = 1, a(1) = 6\}, \text{ogf}]$   
A102592 11.3770  $[ -(4*x-1)/(16*x^2-12*x+1)$  ogf]  
A102592 12.1664  $-1/8*(-1-12*x+(1+8*x+80*x^2)^(1/2))/(1+4*x)$  revogf  
A102592 12.7599  $-8*(1-4*x+8*x^2)/(-1+4*x)/(16*x^2-12*x+1)$  lgdogf  
A102592 6.36569  $[ \{a(n+2)-12*a(n+1)+16*a(n), a(0) = 1, a(1) = 8\}, \text{ogf}]$   
A102594 3.88801  $[ \{(27*n^3-27*n^2+6*n)*a(n)+(-4*n^3-2*n^2+14*n+12)*a(n+1), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1\}, \text{ogf}]$   
A102603 17.6891  $[ 3*(x+7)/(x-1)^2$  ogf]  
A102603 21.0014  $-1/2*(-21-2*x+(441+96*x)^(1/2))/(-3+x)$  revogf  
A102603 42.0027  $-(15+x)/(x+7)/(x-1)$  lgdogf  
A102603 9.68690  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 21, a(1) = 45\}, \text{ogf}]$   
A102620 10.3514  $[ \{-a(n+3)+3*a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 15\}, \text{ogf}]$   
A102620 19.1756  $[ -(x+1)^2/(x^3-x^2+3*x-1)$  ogf]  
A102620 28.8872  $-(5-5*x+x^3+3*x^2)/(x+1)/(x^3-x^2+3*x-1)$  lgdogf  
A102637 4.78885  $[ (8*x^11-9*x^10-7*x^9-15*x^8+26*x^7+20*x^6+4*x^5-30*x^4-18*x^3+19*x^2+7*x+1)/(x^2+x+1)^3/(x-1)^4$  ogf]  
A102650 10.7091  $[ 4*(x^2+x+1)/(x-1)/(2*x-1)/(x+1)/(x^2+1)$  ogf]  
A102650 8.30892  $-(3-2*x+2*x^2-4*x^3+7*x^4+6*x^5+6*x^6)/(x-1)/(2*x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A102651 11.3188  $[ -4*(x^4-x-1)/(x-1)/(2*x-1)/(x+1)/(x^2+1)$  ogf]  
A102651 11.6696  $-(3+2*x^8-8*x^5-x^4)/(x-1)/(2*x-1)/(x+1)/(x^2+1)/(x^4-x-1)$  lgdogf  
A102652 14.1601  $[ 4/(2*x-1)/(x-1)/(x^2+1)$  ogf]  
A102652 15.8195  $-(3+6*x+8*x^3-9*x^2)/(2*x-1)/(x-1)/(x^2+1)$  lgdogf  
A102653 10.3067  $-(3-4*x+2*x^6-4*x^5-2*x^3+3*x^2)/(2*x-1)/(x-1)/(x^2+1)/(x^3-x^2-1)$  lgdogf  
A102653 9.50473  $[ -4*(x^3-x^2-1)/(2*x-1)/(x-1)/(x^2+1)$  ogf]  
A102670 5.01732  $[ x^2*(x^26+x^24+x^22+x^20+x^18+x^6+x^4+x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A102682 4.70822  $[ -x^8*(x^62+2*x^61+2*x^60+x^2+2*x+1)/(2*x^69-2*x^68+2*x^67-2*x^66+2*x^65-2*x^64+2*x^63-x^62+2*x^61-2*x^60-x^12+x^10+x^2-1)$  ogf]  
A102683 5.00892  $[ x^9*(x^71+3*x^11-3*x^10+x-1)/(x^71-3*x^21+3*x^20+2*x^11-2*x^10+x-1)$  ogf]  
A102683 6.48174  $[ -(-2*x^20+2*x^19-x^10+x^9)/(x^71+2*x^11-2*x^10+x-1)$

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ogf_with_Euler_transform]
A102684 8.61885 [ -x^9*(x^70+x^69+x^68+1)/(x^78+x^71-x^68-x^11+x^10+x-1) ogf]
A102685 30.3445 [-x^18+x^9+2 ogf_with_Euler_transform]
A102685 4.45575 [
x*(x^18+x^17+x^16+x^15+x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+
x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]
A102689 12.8750 [ 4*(1883*x+617)/(x-1)^2 ogf]
A102689 14.6171 -(-1234-x+2*(380689+2500*x)^(1/2))/(-7532+x) revogf
A102689 19.4895 -(3117+1883*x)/(1883*x+617)/(x-1) lgdogf
A102689 7.37780 [{-a(n+2)+2*a(n+1)-a(n), a(0) = 2468, a(1) = 12468}, ogf]
A102692 2.99456 [{(-n^3+n)*a(n)+(7*n^3+19*n^2+14*n+2)*a(n
+1)+(-7*n^3-44*n^2-89*n-58)*a(n+2)+(n^3+9*n^2+26*n+24)*a(n+3), a(0) = 1, a(1) =
2, a(2) = 2}, egf]
A102693 21.4670 (-1+(2*x+1)^(1/2))/(2*x+1) revegf
A102693 5.75539 [{(4*n^2+26*n+42)*a(n+1)+(-n-5)*a(n+2), a(0) = 1, a(1) = 5},
ogf]
A102702 13.9425 -(-3-3*x+x^4+3*x^3+6*x^2)/(x^2+x-1)/(x^3+2*x^2+x-2) lgdogf
A102702 9.41936 [ -(x^3+2*x^2+x-2)/(x^2+x-1)^2 ogf]
A102713 12.5367 -2*(1+5*x+2*x^3)/(2*x-1)/(x+1)/(1+x^2) lgdogf
A102713 7.52723 [ (x^2+1)/(x+1)^2/(2*x-1)^2 ogf]
A102714 14.2087 -(-5-8*x+4*x^2+2*x^3)/(x+2)/(x+1)/(x^2-3*x+1) lgdogf
A102714 14.2951 [ (x+2)/(x+1)/(x^2-3*x+1) ogf]
A102714 6.70480 [{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 2, a(1) = 5, a(2) = 14},
ogf]
A102736 13.4808 -2*(1+x+x^3+2*x^2)/(x-1)/(1+x)/(x^2+x+1) lgdegf
A102736 7.68968 [{(n^3+3*n^2+2*n)*a(n)+(n+2)*a(n+1)-a(n+3)+a(n+2), a(0) = 1,
a(1) = 1, a(2) = 2}, ogf]
A102741 5.51360 [{(-n-2)*a(n+2)+(6+n)*a(n+1), a(0) = 81, a(1) = 405}, ogf]
A102741 72.0965 -5/(x-1) lgdogf
A102741 9.83258 [ -81/(x-1)^5 ogf]
A102757 10.0736 -68+153*x+(9-84*x+153*x^2)*f(x)+(2-12*x+18*x^2)*f(x)^2 lgdegf
A102757 3.80349 [{(-9*n^2-36*n-36)*a(n+1)+(6*n+16)*a(n+2)-a(n+3), a(0) = 1, a(1)
= 4, a(2) = 31}, ogf]
A102762 13.7206 [ -(x^4+4*x^3-7*x^2+5*x-1)/(x-1)^3 ogf]
A102762 19.3363 (-2+4*x-5*x^2-4*x^3+x^4)/(x-1)/(x^4+4*x^3-7*x^2+5*x-1) lgdogf
A102762 7.33674 [{a(n+5)-3*a(n+4)+3*a(n+3)-a(n+2), a(0) = -1, a(1) = 2, a(2) =
2, a(3) = 3, a(4) = 6}, ogf]
A102773 27.7924 -(-5+16*x)/(-1+4*x)^2 lgdegf
A102773 4.04744 [{(-16*n^2-64*n-64)*a(n+1)+(8*n+21)*a(n+2)-a(n+3), a(0) = 1,
a(1) = 5, a(2) = 49}, ogf]
A102785 11.3472 [ (x-1)/(3*x^3-2*x^2+2*x-1) ogf]
A102785 12.3106 -(-1+4*x+6*x^3-11*x^2)/(x-1)/(3*x^3-2*x^2+2*x-1) lgdogf
A102785 5.41802 [{a(n+3)-2*a(n+2)+2*a(n+1)-3*a(n), a(0) = 1, a(1) = 1, a(2) =
0}, ogf]
A102794 4.83807 [{a(n+4)-111*a(n+3)+1110*a(n+2)-1000*a(n+1), a(0) = 1, a(1) =
36, a(2) = 4356, a(3) = 443556}, ogf]
A102794 7.79981 36*(1+20*x+10000*x^4+2000*x^3-2220*x^2)/(x-1)/(100*x-1)/
(10*x-1)/(1000*x^3-1470*x^2+75*x-1) lgdogf
A102794 8.58182 [ (1000*x^3-1470*x^2+75*x-1)/(x-1)/(100*x-1)/(10*x-1) ogf]
A102807 10.0121 [ -(490*x^2-95*x+1)/(x-1)/(100*x-1)/(10*x-1) ogf]
A102807 5.81349 [{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 1, a(1) = 16,
a(2) = 1156}, ogf]
A102807 8.35039 -4*(4-310*x+12250*x^4-47500*x^3+13515*x^2)/(x-1)/(100*x-1)/
(10*x-1)/(490*x^2-95*x+1) lgdogf
A102815 11.4758 [ -(169*x^79+220*x^78-8*x^2-2*x+11)/(21*x^79-20*x^78-x^2+2*x-1)
ogf]
A102815 26.4311 -2*(-10+9*x)/(x-1)/(8*x^2+2*x-11) lgdogf
A102839 25.4132 -3*(3*x+1)/(x+1)/(-1+3*x) lgdogf
A102839 4.32956 [{(-2-n)*a(n+3)+(5+2*n)*a(n+2)+(9+3*n)*a(n+1), a(0) = 0, a(1) =
1, a(2) = 3}, ogf]
A102840 35.4022 -3*(5*x-1)/(1-2*x+5*x^2) lgdogf

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A102840 5.38463 [  $\{(-2-n)*a(n+3)+(5+2*n)*a(n+2)+(-15-5*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 3\}$ , ogf]  
A102841 14.2820 [  $-1/(x+1)/(2*x-1)^3$  ogf]  
A102841 28.6139  $-(5+8*x)/(x+1)/(2*x-1)$  lgdogf  
A102841 4.22822 [  $\{(n+3)*a(n+3)+(-7-n)*a(n+2)+(-10-2*n)*a(n+1), a(0) = 1, a(1) = 5, a(2) = 19\}$ , ogf]  
A102860 14.0788 [  $16*x/(x-1)^4$  ogf]  
A102860 7.31015 [  $\{(n+1)*a(n+2)+(-4-n)*a(n+1), a(0) = 0, a(1) = 16\}$ , ogf]  
A102860 93.6679  $-4/(x-1)$  lgdogf  
A102865 12.2722  $-(3-6*x+16*x^4+8*x^3+3*x^2)/(-1+x)/(4*x-1)/(x+1)/(4*x^2+x-1)$  lgdogf  
A102865 12.2846 [  $-(4*x^2+x-1)/(x-1)/(4*x-1)/(x+1)$  ogf]  
A102865 6.69074 [  $\{-a(n+3)+4*a(n+2)+a(n+1)-4*a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A102866 14.2316 [  $-(2*x-2)/(4*x^3-2*x^2-2*x+1)$  ogf\_with\_Euler\_transform]  
A102871 10.5897 [  $(2*x-1)/(x-1)/(x^2-4*x+1)$  ogf]  
A102871 11.1982  $-(-3+10*x+4*x^3-13*x^2)/(x-1)/(2*x-1)/(x^2-4*x+1)$  lgdogf  
A102871 4.96684 [  $\{a(n+3)-5*a(n+2)+5*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]  
A102875 7.04531  $-(-1-2*x-x^6-12*x^5+x^4-12*x^3-24*x^2+x^{10}-2*x^9-12*x^7)/(x^2+x-1)/(x^5-x^4-x^2-x-2)/(x^4-x^3+2*x^2+x+1)$  lgdogf  
A102875 9.65848 [  $x*(x^5-x^4-x^2-x-2)/(x^2+x-1)/(x^4-x^3+2*x^2+x+1)$  ogf]  
A102879 10.5446  $-2*(1-2*x+6*x^2-2*x^3+x^4)/(x-1)/(x+1)/(x^2+1)/(x^2-4*x+1)$  lgdogf  
A102881 10.6993  $-(1+4*x+4*x^4+12*x^3+12*x^2)/(x+1)/(2*x^2+2*x-1)/(2*x^2+2*x+1)$  lgdogf  
A102882 14.7731  $-2*x*(1+9*x+21*x^2+15*x^3)/(1+2*x)/(3*x^2-1)/(5*x^2+4*x+1)$  lgdogf  
A102893 4.77673 [  $\{(27*n^3-3*n)*a(n)+(-4*n^3-6*n^2+4*n+6)*a(n+1), a(0) = 1, a(1) = 0, a(2) = 1\}$ , ogf]  
A102898 3.82733 [  $\{40*a(n)*n-12*a(n+1)*n+(-10*n-30)*a(n+2)+(3*n+9)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A102899 11.6874 [  $x*(x^2-x+1)*(x+1)^2/(x-1)^2/(x^2+x+1)^2$  ogf]  
A102899 15.4609  $-(1-x+10*x^2-x^3+x^4+2*x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A102899 24.3692 [  $-x^5+3*x^2-x+1$  ogf\_with\_Euler\_transform]  
A102900 13.9834 [  $(2*x-1)/(x+1)/(4*x-1)$  ogf]  
A102900 14.6796  $1/4*(-1-3*x+(1-2*x+25*x^2)^(1/2))/(-1+2*x)$  revogf  
A102900 15.8088  $-(-1-8*x+8*x^2)/(-1+4*x)/(-1+2*x)/(x+1)$  lgdogf  
A102900 7.67383 [  $\{-a(n+2)+3*a(n+1)+4*a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A102901 14.6482 [  $(x-1)/(2*x+1)/(3*x-1)$  ogf]  
A102901 16.2320  $1/2/(-1+6*x)*(-1-x+(1-2*x+25*x^2)^(1/2))$  revogf  
A102901 19.6752  $-6*x*(-2+x)/(x-1)/(3*x-1)/(2*x+1)$  lgdogf  
A102901 8.13788 [  $\{-a(n+2)+a(n+1)+6*a(n), a(0) = 1, a(1) = 0\}$ , ogf]  
A102902 13.0976  $-1/32*(-1-9*x+(17*x+1)^(1/2)*(1+x)^(1/2))/x$  revogf  
A102902 16.9171 [  $1/(16*x^2-9*x+1)$  ogf]  
A102902 22.5279  $-(-9+32*x)/(16*x^2+1-9*x)$  lgdogf  
A102902 6.92988 [  $\{-a(n+2)+9*a(n+1)-16*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A102905 5.65225 [  $(2*x^9-x^8-4*x^7+2*x^6+2*x^5+2*x^4-4*x^3-4*x^2+3)/(x-1)/(x+1)/(x^2+1)/(x^2+x-1)/(x^4+1)$  ogf]  
A102909 3.62596 [  $-(x^8+162*x^7+3418*x^6+14212*x^5+16578*x^4+5482*x^3+466*x^2+1)/(x-1)^9$  ogf]  
A103115 13.7860 [  $-(11*x^2+2*x-1)/(x-1)^3$  ogf]  
A103115 22.2903  $-(-1+26*x+11*x^2)/(x-1)/(11*x^2+2*x-1)$  lgdogf  
A103115 7.56401 [  $\{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = -1, a(1) = -1, a(2) = 11\}$ , ogf]  
A103127 11.4894 [  $(x^4+10*x^3+2*x^2+2*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A103127 9.56224  $-(3+7*x+21*x^6+17*x^5+21*x^4+23*x^3+x^7+35*x^2)/(x-1)/(x+1)/(1+x^2)/(x^4+10*x^3+2*x^2+2*x+1)$  lgdogf  
A103134 11.2136  $-1/2*(-3-18*x+(40*x+9)*(1+8*x))^(1/2)/(x-1)$  revogf  
A103134 14.5147 [  $(x+3)/(x^2-18*x+1)$  ogf]

A103134 15.7691  $-(x+11)*(x-5)/(x+3)/(x^2-18*x+1)$  lgdogf  
A103134 7.94851  $[{-a(n+2)+18*a(n+1)-a(n), a(0) = 3, a(1) = 55}]$ , ogf]  
A103135 11.5076  $[ -(3*x^3+18*x^2-14*x+1)/(3*x^2-3*x+1)/(x^2+x-1)$  ogf]  
A103135 9.50412  $-(-10+26*x+108*x^5+9*x^6+7*x^2-12*x^3-111*x^4)/(x^2+x-1)/(3*x^3+18*x^2-14*x+1)/(3*x^2-3*x+1)$  lgdogf  
A103137 25.4342  $-1/2*(3+(1+4*x)^(1/2))/(-2+x)*x$  revogf  
A103137 39.4230  $-1/(1+6*x+x^2)^(1/2)$  lgdogf  
A103137 5.34604  $[{a(n+1)*n+(6*n+9)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = -1, a(2) = 2}]$ , ogf]  
A103138 16.0950  $-1/2*(3*x-1+(1+6*x+x^2)^(1/2))/(1+6*x+x^2)^(1/2)/x$  lgdogf  
A103138 3.31379  $[{(3*n^2+3*n-6)*a(n+1)+(17*n^2+41*n+30)*a(n+2)+(-3*n^2-21*n-36)*a(n+3)+(-n^2-7*n-12)*a(n+4), a(0) = 0, a(1) = 1, a(2) = -3, a(3) = 10}]$ , ogf]  
A103142 15.6178  $[ -1/(x^4+x^3+x^2+2*x-1)$  ogf]  
A103142 18.7916  $-(2+2*x+4*x^3+3*x^2)/(x^2-1+2*x+x^4+x^3)$  lgdogf  
A103143 17.3817  $[ -x^2/(3*x^3+x^2+x-1)$  ogf]  
A103143 25.8355  $-(1+2*x+9*x^2)/(x^2-1+x+3*x^3)$  lgdogf  
A103143 7.11070  $[{-a(n+3)+a(n+2)+a(n+1)+3*a(n), a(0) = 0, a(1) = 0, a(2) = 1}]$ , ogf]  
A103145 14.4087  $-(19-9*x-12*x^2+6*x^3)/(x-1)/(2*x-3)/(3*x^2-3*x-1)$  lgdogf  
A103145 9.42676  $[ (2*x-3)*(3*x^2-3*x-1)/(x-1)^4$  ogf]  
A103154 6.00802  $- (139+179*x+121*x^6+161*x^5+799*x^4+259*x^3+81*x^7+41*x^8+x^9+219*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+20*x^4+20*x^3+20*x^2+20*x+119)$  lgdogf  
A103154 8.75118  $[ (x^5+20*x^4+20*x^3+20*x^2+20*x+119)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A103177 10.8959  $[ -(2*x-1)*(2*x-3)/(3*x-1)/(x-1)^2$  ogf]  
A103177 11.4319  $-(-7+27*x+12*x^3-36*x^2)/(-1+x)/(-1+3*x)/(2*x-1)/(-3+2*x)$  lgdogf  
A103177 5.88188  $[{a(n+3)-5*a(n+2)+7*a(n+1)-3*a(n), a(0) = 3, a(1) = 7, a(2) = 18}]$ , ogf]  
A103180 6.54463  $[ -(2*x^10+x^9-3*x^8+2*x^7+x^6-3*x^5+x^4+2*x^3-3*x^2+x+2)/(x-1)/(x+1)/(x^10-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A103181 11.4031  $[ -x*(11*x^10+10*x^9+1)/(x-1)/(x+1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A103181 7.89805  $-2*x*(1-5*x^17+15*x^19+11*x^20-35*x^9-38*x^10+45*x^7+50*x^8)/(x-1)/(x+1)/(x^2+1)/(11*x^10+10*x^9+1)/(x^8-x^6+x^4-x^2+1)$  lgdogf  
A103192 11.4894  $[ (x^4+10*x^3+2*x^2+2*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A103192 9.56224  $-(3+7*x+21*x^6+17*x^5+21*x^4+23*x^3+x^7+35*x^2)/(x-1)/(x+1)/(1+x^2)/(x^4+10*x^3+2*x^2+2*x+1)$  lgdogf  
A103194 3.99056  $[{(-n^3-7*n^2-16*n-12)*a(n+1)+(2*n^2+11*n+15)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 6}]$ , ogf]  
A103196 13.1753  $[ -(2*x+1)/(2*x-1)/(x+1)^2$  ogf]  
A103196 6.86798  $[{a(n+3)-3*a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 3}]$ , ogf]  
A103200 10.1019  $[ -(x^2+x+1)/(x-1)/(x^4-8*x^2+1)$  ogf]  
A103200 10.7659  $-(2+18*x+3*x^6+2*x^5-6*x^4-20*x^3-17*x^2)/(x-1)/(x^2+x+1)/(x^4-8*x^2+1)$  lgdogf  
A103201 8.36909  $-(19+178*x-49*x^4-44*x^3+x^6-2*x^5+149*x^2)/(x^3-x^2-19*x-11)/(x^4-8*x^2+1)$  lgdogf  
A103201 9.56055  $[ -(x^3-x^2-19*x-11)/(x^4-8*x^2+1)$  ogf]  
A103204 13.4706  $[ -(x^2+2*x-2)/(2*x-1)/(x-1)$  ogf]  
A103204 17.0751  $-(4-10*x+7*x^2)/(x-1)/(2*x-1)/(x^2+2*x-2)$  lgdogf  
A103204 6.99943  $[{a(n+3)-3*a(n+2)+2*a(n+1), a(0) = 2, a(1) = 4, a(2) = 7}]$ , ogf]  
A103205 9.33640  $[ -x*(9*x^9-11*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A103210 29.4444  $-x*(-1+2*x)/(1+x)$  revogf  
A103210 3.40014  $[{(-n^2-n)*a(n)+(9*n^2+21*n+12)*a(n+1)+(9*n^2+51*n+72)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 15}]$ , ogf]  
A103210 9.81480  $-1/2*(-x-1+(1-10*x+x^2)^(1/2))/(1-10*x+x^2)^(1/2)/x$  lgdogf  
A103211 29.7538  $-x*(-1+3*x)/(1+x)$  revogf  
A103211 3.45903  $[{(n^2+n)*a(n)+(-13*n^2-31*n-18)*a(n+1)+(-13*n^2-73*n-102)*a(n+2)+(n^2+7*n+12)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 28}]$ , ogf]



A103211 9.91794  $-1/2*(-x-1+(1-14*x+x^2)^{(1/2)})/(1-14*x+x^2)^{(1/2)}/x$  lgdogf  
A103214 17.9497  $[(23*x+1)/(x-1)^2$  ogf]  
A103214 22.4988  $-1/2*(-1-2*x+(1+96*x)^{(1/2)})/(-23+x)$  revogf  
A103214 32.3983  $-(25+23*x)/(23*x+1)/(x-1)$  lgdogf  
A103214 9.94800  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 25},$  ogf]  
A103215 8.99410  $[(7*x^6+4*x^5+3*x^4+5*x^3+3*x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A103220 20.4062  $-(13+38*x+9*x^2)/(x-1)/(3*x^2+8*x+1)$  lgdogf  
A103220 3.76451  $[{(n+3)*a(n+4)+(1+7*n)*a(n+3)+(-43-5*n)*a(n+2)+(-9-3*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 13, a(3) = 58},$  ogf]  
A103220 8.98039  $[-x*(3*x^2+8*x+1)/(x-1)^5$  ogf]  
A103221 23.0419  $[1/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A103221 24.5075  $-x*(2+5*x^2+5*x)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A103221 37.6923  $[x^2+x]$  ogf\_with\_Euler\_transform]  
A103258 10.3085  $[-(2*x^6-x^5-2*x^4+x^3-2*x^2-x-2)/(-x^8+1)]$  ogf\_with\_Euler\_transform]  
A103260 5.02348  $[(x+1)*(x^23-x^22+x^21+x^20-x^19+x^18-x^17+2*x^16+x^7-x^6+x^5+1)/(x-1)/(x^23+x^22+x^21-x^20-x^19-x^18-x^17-2*x^16+x^7+x^6+x^5-1)]$  ogf]  
A103261 11.8886  $[-(20*x^2+10*x-20)/(-x^4+1)]$  ogf\_with\_Euler\_transform]  
A103262 17.9796  $[-(2*x^4-2)/(-x^6+1)]$  ogf\_with\_Euler\_transform]  
A103290 10.0861  $[-2*x^2*(x^2+1)/(x-1)^5$  ogf]  
A103290 27.2872  $[[-x^3+x+5]]$  ogf\_with\_Euler\_transform]  
A103290 28.1936  $-(5+2*x+3*x^2)/(x-1)/(1+x^2)$  lgdogf  
A103290 4.40220  $[{(-14*n^2-54*n-52)*a(n+1)+(13*n^2-36*n-145)*a(n+2)+(n^2+30*n+29)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 2},$  ogf]  
A103311 11.8006  $[x*(x-1)^2/(x^4-2*x^3+4*x^2-3*x+1)]$  ogf]  
A103311 17.0238  $-(1-5*x+6*x^2-6*x^3+2*x^4)/(x-1)/(x^4-2*x^3+4*x^2-3*x+1)$  lgdogf  
A103312 14.7809  $[x*(x-1)^2/(3*x^2-3*x+1)]$  ogf]  
A103312 34.1294  $(3*x-1)/(x-1)/(3*x^2-3*x+1)$  lgdogf  
A103312 7.45583  $[{-a(n+4)+3*a(n+3)-3*a(n+2), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 1},$  ogf]  
A103321 12.3298  $[1/(x^3+x-1)/(x^3+x^2+x-1)]$  ogf]  
A103321 12.9965  $-(2+5*x^4+8*x^3-3*x^2+6*x^5)/(x^3+x-1)/(x^3+x^2+x-1)$  lgdogf  
A103322 11.0673  $[1/(x^3+x^2-1)/(x^3+x^2+x-1)]$  ogf]  
A103322 11.7545  $-(1-4*x+6*x^5+10*x^4+8*x^3-3*x^2)/(x^3+x^2-1)/(x^3+x^2+x-1)$  lgdogf  
A103325 4.01758  $[(x^5-235*x^4-960*x^3+1045*x^2+255*x-32)/(x^2+x-1)/(x^2+11*x-1)/(x^2-4*x-1)]$  ogf]  
A103326 7.08317  $[-5*(x^4-4*x^3-9*x^2+6*x+1)/(x-1)/(x^2+3*x+1)/(x^2-7*x+1)]$  ogf]  
A103333 17.7734  $[(5*x-1)/(8*x-1)]$  ogf]  
A103333 17.9288  $1/10+4/5*x-1/10*(1-4*x+64*x^2)^{(1/2)}$  revogf  
A103333 35.8577  $3/(-1+8*x)/(5*x-1)$  lgdogf  
A103333 9.13356  $[{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 3},$  ogf]  
A103334 10.7646  $[(10*x^2-9*x+1)/(8*x-1)/(2*x-1)]$  ogf]  
A103334 12.0538  $(1-12*x+44*x^2)/(-1+2*x)/(-1+8*x)/(-9*x+10*x^2+1)$  lgdogf  
A103334 5.79630  $[{a(n+3)-10*a(n+2)+16*a(n+1), a(0) = 1, a(1) = 1, a(2) = 4},$  ogf]  
A103368 12.9308  $[(x+1)/(x^2+x+1)/(x^2-x+1)]$  ogf]  
A103368 16.9414  $-(1+2*x+3*x^4+4*x^3+x^2)/(x+1)/(1+x^2+x)/(x^2-x+1)$  lgdogf  
A103368 21.7894  $[x^5-2*x+1]$  ogf\_with\_Euler\_transform]  
A103370 3.24416  $[{(9*n^2+45*n+54)*a(n+1)+(-10*n^2-80*n-156)*a(n+2)+(n^2+11*n+30)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 12},$  ogf]  
A103372 12.1564  $-(1+2*x+2*x^7+4*x^6+6*x^5+8*x^4+4*x^3+3*x^2)/(x+1)/(1+x^2)/(x^5+x^4-1)$  lgdogf  
A103372 13.3445  $[-(x^2+1)*(x+1)/(x^5+x^4-1)]$  ogf]  
A103373 11.9513  $[-(x^4+x^3+x^2+x+1)/(x^6+x^5-1)]$  ogf]  
A103373 9.83621  $-(1+2*x+4*x^8+6*x^7+2*x^9+8*x^6+10*x^5+5*x^4+4*x^3+3*x^2)/(x^4+x^3+x^2+x+1)/(x^6+x^5-1)$  lgdogf  
A103374 11.1720  $[-(x+1)*(x^2+x+1)*(x^2-x+1)/(x^7+x^6-1)]$  ogf]  
A103374 8.07215  $-2*x$   
 $+5*x^4+4*x^3+4*x^10+6*x^9+8*x^8+10*x^7+12*x^6+6*x^5+1+3*x^2+2*x^{11})/(x+1)/(x^2+x$

+1)/(x^2-x+1)/(x^7+x^6-1) lgdogf  
A103375 6.97953 -(2\*x  
+12\*x^8+14\*x^7+2\*x^13+4\*x^12+6\*x^11+8\*x^10+10\*x^9+7\*x^6+6\*x^5+5\*x^4+4\*x^3+3\*x^2+  
1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^8+x^7-1) lgdogf  
A103375 9.99491 [ -(x^6+x^5+x^4+x^3+x^2+x+1)/(x^8+x^7-1) ogf]  
A103376 9.50974 [ -(x^4+1)\*(x^2+1)\*(x+1)/(x^9+x^8-1) ogf]  
A103377 10.0242 [ -(x^29+x^20+x^19-x^9-1)/(-x^20-x^19-x^18+1)  
ogf\_with\_Euler\_transform]  
A103377 8.63122 [ -(x^2+x+1)\*(x^6+x^3+1)/(x^10+x^9-1) ogf]  
A103378 7.53900 [ -(x+1)\*(x^4+x^3+x^2+x+1)\*(x^4-x^3+x^2-x+1)/(x^11+x^10-1) ogf]  
A103378 9.39585 [ -(x^32+x^22+x^21-x^10-1)/(-x^22-x^21-x^20+1)  
ogf\_with\_Euler\_transform]  
A103379 10.1825 [ -(x^35+x^24+x^23-x^11-1)/(-x^24-x^23-x^22+1)  
ogf\_with\_Euler\_transform]  
A103379 7.57527 [ -(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^12+x^11-1) ogf]  
A103380 10.1891 [ -(x^38+x^26+x^25-x^12-1)/(-x^26-x^25-x^24+1)  
ogf\_with\_Euler\_transform]  
A103380 7.06668 [ -(x+1)\*(x^2+1)\*(x^2+x+1)\*(x^2-x+1)\*(x^4-x^2+1)/(x^13+x^12-1)  
ogf]  
A103424 14.4167 [ (4\*x^2-2\*x-1)/(2\*x-1)/(2\*x+1) ogf]  
A103424 18.6883 2\*(1+4\*x^2)/(2\*x+1)/(2\*x-1)/(4\*x^2-2\*x-1) lgdogf  
A103424 8.51108 [{a(n+3)-4\*a(n+1), a(0) = 1, a(1) = 2, a(2) = 0}, ogf]  
A103425 11.7956 [ -(5\*x^2-1)/(x-1)/(3\*x-1)/(x+1) ogf]  
A103425 12.9249 -(3-8\*x+15\*x^4+6\*x^2)/(x-1)/(3\*x-1)/(x+1)/(5\*x^2-1) lgdogf  
A103425 6.00313 [{a(n+3)-3\*a(n+2)-a(n+1)+3\*a(n), a(0) = 1, a(1) = 3, a(2) = 5},  
ogf]  
A103433 7.73473 [ x\*(x^2-4\*x+1)/(x^2-7\*x+1)/(x-1)^2 ogf]  
A103433 9.54638 -(5-25\*x+57\*x^2-19\*x^3+2\*x^4)/(x-1)/(x^2-7\*x+1)/(x^2-4\*x+1)  
lgdogf  
A103434 13.4928 -(x-5)\*(3\*x^2+4\*x-2)/(x-1)/(x+1)/(x^2-7\*x+1) lgdogf  
A103434 9.13356 [ x\*(x+1)/(x^2-7\*x+1)/(x-1)^2 ogf]  
A103435 17.4352 [ -2\*x/(4\*x^2+2\*x-1) ogf]  
A103435 19.8540 1/4\*(-1-x+(1+2\*x+5\*x^2)^(1/2))/x revogf  
A103435 26.4721 -2\*(1+4\*x)/(4\*x^2-1+2\*x) lgdogf  
A103435 7.96425 [{-a(n+2)+2\*a(n+1)+4\*a(n), a(0) = 0, a(1) = 2}, ogf]  
A103453 12.1103 [ (3\*x^2-2\*x+1)/(3\*x-1)/(x-1) ogf]  
A103453 15.3369 -2\*(-1+3\*x^2)/(x-1)/(3\*x-1)/(3\*x^2-2\*x+1) lgdogf  
A103453 6.29261 [{-a(n+3)+4\*a(n+2)-3\*a(n+1), a(0) = 1, a(1) = 2, a(2) = 8}, ogf]  
A103454 12.4124 [ (4\*x^2-2\*x+1)/(4\*x-1)/(x-1) ogf]  
A103454 14.0249 -3\*(2\*x-1)\*(2\*x+1)/(x-1)/(4\*x-1)/(4\*x^2-2\*x+1) lgdogf  
A103454 6.38695 [{-a(n+3)+5\*a(n+2)-4\*a(n+1), a(0) = 1, a(1) = 3, a(2) = 15},  
ogf]  
A103455 11.4893 [ (5\*x^2-2\*x+1)/(5\*x-1)/(x-1) ogf]  
A103455 14.5505 -4\*(-1+5\*x^2)/(x-1)/(5\*x-1)/(5\*x^2-2\*x+1) lgdogf  
A103455 5.91199 [{-a(n+3)+6\*a(n+2)-5\*a(n+1), a(0) = 1, a(1) = 4, a(2) = 24},  
ogf]  
A103456 10.2004 [ (10\*x^2-2\*x+1)/(10\*x-1)/(x-1) ogf]  
A103456 12.7146 -9\*(-1+10\*x^2)/(x-1)/(10\*x-1)/(10\*x^2-2\*x+1) lgdogf  
A103456 5.44020 [{-a(n+3)+11\*a(n+2)-10\*a(n+1), a(0) = 1, a(1) = 9, a(2) = 99},  
ogf]  
A103457 13.1654 [ -(3\*x^2-1)/(3\*x-1)/(x-1) ogf]  
A103457 15.4164 -4\*(1-3\*x+3\*x^2)/(x-1)/(3\*x-1)/(-1+3\*x^2) lgdogf  
A103457 6.26315 [{a(n+3)-4\*a(n+2)+3\*a(n+1), a(0) = 1, a(1) = 4, a(2) = 10}, ogf]  
A103458 11.8607 [ -(7\*x^2-1)/(7\*x-1)/(x-1) ogf]  
A103458 13.8827 -4\*(2-7\*x+14\*x^2)/(x-1)/(7\*x-1)/(7\*x^2-1) lgdogf  
A103458 5.64245 [{a(n+3)-8\*a(n+2)+7\*a(n+1), a(0) = 1, a(1) = 8, a(2) = 50}, ogf]  
A103459 12.5332 [ -(8\*x^2-1)/(8\*x-1)/(x-1) ogf]  
A103459 15.0535 [ -(9-32\*x+72\*x^2)/(x-1)/(8\*x-1)/(8\*x^2-1) lgdogf  
A103459 5.96238 [{a(n+3)-9\*a(n+2)+8\*a(n+1), a(0) = 1, a(1) = 9, a(2) = 65}, ogf]  
A103460 11.4773 -2\*(5-18\*x+45\*x^2)/(x-1)/(-1+3\*x)/(3\*x+1)/(9\*x-1) lgdogf  
A103460 11.4833 [ -(3\*x-1)\*(3\*x+1)/(9\*x-1)/(x-1) ogf]

A103460 5.46825  $[ \{a(n+3)-10*a(n+2)+9*a(n+1), a(0) = 1, a(1) = 10, a(2) = 82\},$   
ogf ]  
A103461 13.0990  $[ -(10*x^2+1)/(10*x+1)/(x-1)$  ogf ]  
A103461 15.9540  $[-(-9+40*x+90*x^2)/(x-1)/(10*x+1)/(10*x^2+1)$  lgdogf  
A103461 6.36236  $[ \{a(n+3)+9*a(n+2)-10*a(n+1), a(0) = 1, a(1) = -9, a(2) = 101\},$   
ogf ]  
A103469 10.8662  $[ -(x^6-x^5+x^4-x^3-x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf ]  
A103469 8.01943  $[-(-2-2*x-3*x^8+x^11-x^10+3*x^9-6*x^6-3*x^5-7*x^4+x^3-5*x^2)/$   
 $(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6-x^5+x^4-x^3-x-1)$  lgdogf  
A103485 11.6652  $[ -(7*x^3+5*x^2-4*x-7)/(x-1)/(x^3+x^2-1)$  ogf ]  
A103485 9.48434  $[-(11+4*x-12*x^2-14*x^3-5*x^4+10*x^5+7*x^6)/(x-1)/(x^3+x^2-1)/$   
 $(7*x^3+5*x^2-4*x-7)$  lgdogf  
A103486 11.8306  $[-(-11-15*x+3*x^5-11*x^3-x^4-25*x^2)/(x-1)/(3*x^3-2*x^2-4*x-7)/$   
 $(x^2+x+1)$  lgdogf  
A103486 12.4099  $[ -(3*x^3-2*x^2-4*x-7)/(x^2+x+1)/(x-1)^2$  ogf ]  
A103486 4.94961  $[ \{(-10*n-51)*a(n+1)-10*a(n+2)-10*a(n+3)+(10*n+41)*a(n+4), a(0) =$   
 $7, a(1) = 11, a(2) = 13, a(3) = 17\},$  ogf ]  
A103505 10.7232  $[ (x^4-2*x^3-2*x^2+2*x-1)/(x-1)^3$  ogf ]  
A103505 16.5297  $(1-4*x^3+x^4+8*x^2)/(x-1)/(x^4-2*x^3-2*x^2+2*x-1)$  lgdogf  
A103517 15.7908  $[ -(x^2-2*x-1)/(x-1)^2$  ogf ]  
A103517 43.1758  $4/(x-1)/(x^2-2*x-1)$  lgdogf  
A103517 8.20502  $[ \{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 4, a(2) = 6\},$  ogf ]  
A103519 12.2950  $(10+2*x+x^4+2*x^3-9*x^2)/(x-1)/(x^3+2*x^2-4*x-2)$  lgdegf  
A103519 3.56297  $[ \{(-n^2-8*n-15)*a(n+1)+(n^2+8*n+17)*a(n+2)+(-n-3)*a(n+3), a(0) =$   
 $1, a(1) = 5, a(2) = 21\},$  ogf ]  
A103532 10.3922  $[ (7*x^2+16*x+1)/(x-1)^4$  ogf ]  
A103532 18.2851  $-2*(10+31*x+7*x^2)/(x-1)/(7*x^2+16*x+1)$  lgdogf  
A103535 4.95707  $[ -(3*x^7-17*x^6+12*x^5+60*x^4-96*x^3+21*x^2+25*x-9)/(x^2-4*x$   
 $+1)/(x^4-4*x^2+1)/(x-1)^2$  ogf ]  
A103604 19.2313  $-11*(7+14*x+5*x^2)/(x-1)/(5*x^2+12*x+5)$  lgdogf  
A103604 3.54759  $[ \{(5*n+20)*a(n+4)+(-56+7*n)*a(n+3)+(-168-7*n)*a(n$   
 $+2)+(-60-5*n)*a(n+1), a(0) = 210, a(1) = 3234, a(2) = 25872, a(3) = 144144\},$   
ogf ]  
A103609 14.3488  $[ -x^2*(x+1)/(x^4+x^2-1)$  ogf ]  
A103609 19.2843  $-(1+2*x+3*x^4+4*x^3+x^2)/(x+1)/(x^4+x^2-1)$  lgdogf  
A103609 7.86423  $[ \{-a(n+4)+a(n+2)+a(n), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 1\},$   
ogf ]  
A103610 7.98711  $[ -x^2*(x^13+x^10+x^7+x^6+x^5+x^4+x^3+x+1)/(x^16+x^8-1)$  ogf ]  
A103620 10.3733  $-(-6720+140*x^9+823*x^8-140*x^7)/(x-1)/(x+1)/(823*x^8-6720)$   
lgdegf  
A103621 7.61553  $[ (3*x^8+34*x^7+2*x^6+2*x^5+10*x^4+2*x^3+2*x^2+2*x+7)/(x^4+1)/$   
 $(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A103623 3.61907  $[$   
 $(341*x^8+11352*x^7+77440*x^6+153824*x^5+99330*x^4+19624*x^3+968*x^2+1)/(x-1)^10$   
ogf ]  
A103626 5.60271  $[ -(x^14+x^13+2*x^12-x^11-x^10+x^8-x^7-x^6-x^5-x^3-x^2-x-1)/$   
 $(x-1)/(x+1)/(x^2+1)/(2*x^12+x^8-1)$  ogf ]  
A103627 14.0160  $[ x*(x^4-x^3+x^2+1)/(x-1)^2/(x^2+x+1)^2$  ogf ]  
A103627 14.5174  $-x*(2+2*x^5-3*x^4+4*x^3+4*x^2+3*x)/(x-1)/(x^2+x+1)/(x^4-$   
 $x^3+x^2+1)$  lgdogf  
A103628 15.0645  $[ -(-x^3+3*x^2-x-2)/(-x+1)$  ogf\_with\_Euler\_transform ]  
A103632 15.2553  $[ -(x^2-x+1)/(x^4+x-1)$  ogf ]  
A103632 17.3257  $-x*(2+2*x^4-3*x^3+4*x^2-x)/(x^2-x+1)/(x^4+x-1)$  lgdogf  
A103639 4.24920  $[ \{(16*n^2+64*n+63)*a(n+1)-a(n+2), a(0) = 1, a(1) = 15\},$  ogf ]  
A103644 4.55614  $[ \{-a(n+3)-2*a(n+2)+6*a(n+1)+27*a(n), a(0) = 1, a(1) = 1, a(2) =$   
 $4\},$  ogf ]  
A103644 9.12967  $-(1+12*x+162*x^3+99*x^2)/(-1+3*x)/(1+3*x)/(9*x^2+5*x+1)$  lgdogf  
A103644 9.53415  $[ -(3*x+1)/(3*x-1)/(9*x^2+5*x+1)$  ogf ]  
A103645 5.48609  $[ \{a(n+3)+2*a(n+2)-6*a(n+1)-27*a(n), a(0) = 1, a(1) = 25, a(2) =$   
 $64\},$  ogf ]  
A103645 8.13191  $- (25+228*x+459*x^2+1458*x^3+2916*x^4)/(3*x-1)/(9*x^2+5*x+1)/$

(108\*x^2+27\*x+1) lgdogf  
 A103645 9.70615 [ -(108\*x^2+27\*x+1)/(3\*x-1)/(9\*x^2+5\*x+1) ogf]  
 A103646 12.3687 -(1+12\*x+162\*x^3+99\*x^2)/(3\*x-1)/(3\*x+1)/(9\*x^2+5\*x+1) lgdogf  
 A103646 12.3808 [ -9\*(3\*x+1)/(3\*x-1)/(9\*x^2+5\*x+1) ogf]  
 A103646 5.97318 [{-a(n+3)-2\*a(n+2)+6\*a(n+1)+27\*a(n), a(0) = 9, a(1) = 9, a(2) = 36}, ogf]  
 A103648 7.19005 [ -x\*(2\*x^11-2\*x^9+3\*x^7-2\*x^6-x^5+x^3-x^2-1)/(x-1)/(2\*x^12+x^8-1) ogf]  
 A103650 16.7523 [ -(-2\*x^2+2\*x+1)/(x-1) ogf\_with\_Euler\_transform]  
 A103681 15.7562 [ -x\*(2\*x^7-2\*x^6-1)/(x-1)^2 ogf]  
 A103681 19.2450 2\*(1+5\*x^7-11\*x^6+6\*x^5)/(x-1)/(2\*x^7-2\*x^6-1) lgdogf  
 A103685 14.6316 [ x^2/(x-1)/(2\*x^3-4\*x^2+4\*x-1) ogf]  
 A103685 15.6872 -(-5+16\*x+8\*x^3-18\*x^2)/(x-1)/(2\*x^3-4\*x^2+4\*x-1) lgdogf  
 A103715 5.20252 [ -x^2\*(x^2+1)\*(x^4+2\*x^3+14\*x^2+2\*x+1)/(x-1)/(x^8-82\*x^4+1) ogf]  
 A103749 13.9015 [ -x\*(2\*x+1)/(2\*x^3-x^2-x-1) ogf]  
 A103749 19.6228 -(1-2\*x+8\*x^3+4\*x^2)/(2\*x+1)/(2\*x^3-x^2-x-1) lgdogf  
 A103749 7.13861 [{a(n+3)+a(n+2)+a(n+1)-2\*a(n), a(0) = 0, a(1) = 1, a(2) = 1}, ogf]  
 A103750 15.0990 [ -(2\*x^3+1)/(2\*x^4-x^3+x-1) ogf]  
 A103750 17.6041 -(1+4\*x^6+4\*x^3+3\*x^2)/(2\*x^3+1)/(2\*x^4-x^3+x-1) lgdogf  
 A103750 6.94068 [{-a(n+4)+a(n+3)-a(n+1)+2\*a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2}, ogf]  
 A103768 5.93108 [ -2\*x^2\*(x^3-4\*x^2+7\*x-3)/(3\*x-1)/(2\*x-1)^2/(x-1)^3 ogf]  
 A103768 7.63999 -(-23+140\*x-103\*x^4+274\*x^3-300\*x^2+18\*x^5)/(x-1)/(3\*x-1)/(2\*x-1)/(x^3-4\*x^2+7\*x-3) lgdogf  
 A103770 17.8154 -(1+6\*x+27\*x^2)/(3\*x-1)/(3\*x^2+2\*x+1) lgdogf  
 A103770 18.1716 [ -1/(3\*x-1)/(3\*x^2+2\*x+1) ogf]  
 A103770 6.00313 [{a(n+3)-a(n+2)-3\*a(n+1)-9\*a(n), a(0) = 1, a(1) = 1, a(2) = 4}, ogf]  
 A103771 16.3742 [ -1/(4\*x^3+4\*x^2+4\*x-1) ogf]  
 A103771 16.4855 -4\*(1+2\*x+3\*x^2)/(4\*x^2-1+4\*x+4\*x^3) lgdogf  
 A103771 5.36145 [{a(n+3)-4\*a(n+2)-4\*a(n+1)-4\*a(n), a(0) = 1, a(1) = 4, a(2) = 20}, ogf]  
 A103772 10.7028 [ -(x+1)^2/(x-1)/(x^2-14\*x+1) ogf]  
 A103772 11.4588 -(17-45\*x+x^3+3\*x^2)/(x-1)/(1+x)/(x^2-14\*x+1) lgdogf  
 A103772 5.76305 [{a(n+3)-15\*a(n+2)+15\*a(n+1)-a(n), a(0) = 1, a(1) = 17, a(2) = 241}, ogf]  
 A103775 23.1590 (1+4\*x+4\*x^3+18\*x^5)/(2\*x^2+1+x+3\*x^6+x^4) lgdogf  
 A103779 4.52237 [{(-27\*n^2+3)\*a(n)+(-14\*n^2-21\*n-7)\*a(n+1)+(-3\*n^2-9\*n-6)\*a(n+2), a(0) = 0, a(1) = 1, a(2) = -1}, ogf]  
 A103779 71.5203 x\*(1+x+x^2) revogf  
 A103780 5.86279 -(3\*x^2+2\*x+1)\*(3\*x^6+6\*x^5+9\*x^4+8\*x^3+5\*x^2+2\*x+1)/(2\*x^2-1+x+3\*x^8+6\*x^4+x^9+4\*x^3+8\*x^6+8\*x^5+6\*x^7) lgdogf  
 A103780 6.99903 [ -1/(x^9+3\*x^8+6\*x^7+8\*x^6+8\*x^5+6\*x^4+4\*x^3+2\*x^2+x-1) ogf]  
 A103817 9.79966 [ -(2\*x^26-2\*x^24+4\*x^23-4\*x^22+4\*x^21-2\*x^11+2\*x^10+x+1)/(x-1) ogf]  
 A103819 9.08367 [ x\*(x+1)/(x-1)/(x^2+x+1)/(2\*x^2+2\*x-1) ogf]  
 A103819 9.33016 -(-3-4\*x+16\*x^4+6\*x^3+8\*x^5-5\*x^2)/(x-1)/(x+1)/(x^2+x+1)/(2\*x^2+2\*x-1) lgdogf  
 A103820 17.3027 -(3\*x-2)\*(2+3\*x)/(x-1)/(3\*x^2+3\*x-1) lgdogf  
 A103820 19.2609 [ 1/(x-1)/(3\*x^2+3\*x-1) ogf]  
 A103820 6.69063 [{-a(n+3)+4\*a(n+2)-3\*a(n), a(0) = 1, a(1) = 4, a(2) = 16}, ogf]  
 A103821 16.3554 -(4\*x+3)\*(-1+2\*x)/(x-1)/(4\*x^2+4\*x-1) lgdogf  
 A103821 3.35702 [{(-n-4)\*a(n+4)+(18+5\*n)\*a(n+3)-2\*a(n+2)+(-12-4\*n)\*a(n+1), a(0) = 1, a(1) = 3, a(2) = 11, a(3) = 43}, ogf]  
 A103831 10.1750 [ x\*(x^2+3)\*(x^2-2\*x-1)/(x-1)^3/(x+1)^3 ogf]  
 A103831 12.9196 -2\*(-3-7\*x+x^5-3\*x^4+6\*x^3-18\*x^2)/(x-1)/(x+1)/(x^2+3)/(x^2-2\*x-1) lgdogf  
 A103832 10.4321 [ (3\*x^2+1)\*(x^2-2\*x-1)/(x-1)^3/(x+1)^3 ogf]  
 A103832 11.8404 -2\*(-1-5\*x+3\*x^5-9\*x^4+2\*x^3-14\*x^2)/(x-1)/(x+1)/(3\*x^2+1)/

$(x^2-2*x-1)$  lgdogf  
A103847 34.3501 [  $91*(x^{100}+x^{99}-91)/(x^{99}+91*x-91)$  ogf]  
A103847 45.7359 [  $-(x^{100}-91*x+91)/(91*x-91)$  ogf\_with\_Euler\_transform]  
A103872 4.22675 [  $\{(3*n+9)*a(n+1)+(2*n+6)*a(n+2)+(-n-5)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 2\}$ , ogf]  
A103878 7.44925 [  $-x/(12*x-1)/(15*x-1)/(20*x-1)/(30*x-1)/(60*x-1)$  ogf]  
A103889 14.7230 [  $(x^2-x+2)/(x+1)/(x-1)^2$  ogf]  
A103889 23.1841 [  $-(1+7*x+x^3-x^2)/(x-1)/(x+1)/(x^2-x+2)$  lgdogf]  
A103889 8.01876 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 1, a(2) = 4\}$ , ogf]  
A103897 18.8965 [  $-1/16*(-3-6*x+(9+36*x+4*x^2)^{(1/2)})/x$  revogf]  
A103897 21.5722 [  $3/(4*x-1)/(2*x-1)$  ogf]  
A103897 25.8952 [  $-2*(-3+8*x)/(4*x-1)/(2*x-1)$  lgdogf]  
A103897 8.57690 [  $\{-a(n+2)+6*a(n+1)-8*a(n), a(0) = 3, a(1) = 18\}$ , ogf]  
A103924 19.7475 [  $-(x^5+2)/(x-1)$  ogf\_with\_Euler\_transform]  
A103925 19.9262 [  $-(x^6+2)/(x-1)$  ogf\_with\_Euler\_transform]  
A103926 18.3188 [  $-(x^7+2)/(x-1)$  ogf\_with\_Euler\_transform]  
A103927 20.1049 [  $-(x^8+2)/(x-1)$  ogf\_with\_Euler\_transform]  
A103928 18.4069 [  $-(x^9+2)/(x-1)$  ogf\_with\_Euler\_transform]  
A103929 17.9686 [  $-(x^{10}+2)/(x-1)$  ogf\_with\_Euler\_transform]  
A103938 9.56084 [  $3/128+7/32*x-1/128*(-(16*x-9)*(-1+4*x)^2)^{(1/2)}$  revogf]  
A103944 3.09852 [  $\{(-16*n-40)*a(n+1)+(-6*n+24)*a(n+2)+(9*n+33)*a(n+3)+(-n-4)*a(n+4), a(0) = 1, a(1) = 10, a(2) = 93, a(3) = 836\}$ , ogf]  
A103947 11.8011 [  $\{a(n+3)-a(n+1), a(0) = 1, a(1) = 4, a(2) = 3\}$ , ogf]  
A103947 20.2305 [  $-(2*x^2+4*x+1)/(x-1)/(x+1)$  ogf]  
A103947 23.1590 [  $-2*(2+3*x+2*x^2)/(x-1)/(x+1)/(2*x^2+4*x+1)$  lgdogf]  
A103948 10.2350 [  $(6*x^5-3*x^4-30*x^3-39*x^2-28*x-1)/(x-1)/(x+1)/(x^2+x+1)$  ogf]  
A103948 7.82025 [  $3*(9+26*x+9*x^6+18*x^5+34*x^4+44*x^3+44*x^2+4*x^7+2*x^8)/(x-1)/(x+1)/(x^2+x+1)/(6*x^5-3*x^4-30*x^3-39*x^2-28*x-1)$  lgdogf]  
A103949 6.31952 [  $(24*x^8+132*x^7+92*x^6-80*x^5-288*x^4-472*x^3-357*x^2-257*x-1)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  ogf]  
A103969 11.0120 [  $2*(-4*x^3-5*x^4-3*x^5-1-x^6+x^7-2*x+3*x^8-3*x^2)/(x^4+x^3+x^2+x+1)/(2*x^5-1)$  lgdogf]  
A103969 8.79468 [  $-(x^4+x^3+x^2+x+1)^2/(2*x^5-1)$  ogf]  
A103971 19.5766 [  $-1/8+1/8*(1-16*x^2+16*x)^{(1/2)}$  revogf]  
A103972 25.5499 [  $-1/10+1/10*(1-20*x^2+20*x)^{(1/2)}$  revogf]  
A103972 3.91732 [  $\{(200*n^2+200*n)*a(n)+(60*n^2+180*n+120)*a(n+1)+(-6*n^2-18*n)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 12\}$ , ogf]  
A103974 4.33604 [  $\{-a(n+3)+15*a(n+2)-15*a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 65\}$ , ogf]  
A103974 7.73511 [  $-(5-20*x+5*x^4-20*x^3+78*x^2)/(x-1)/(x^2-14*x+1)/(5*x^2-10*x+1)$  lgdogf]  
A103974 7.79133 [  $-(5*x^2-10*x+1)/(x-1)/(x^2-14*x+1)$  ogf]  
A103975 14.9117 [  $-16/(x-1)/(x^2-14*x+1)$  ogf]  
A103975 18.9574 [  $-3*(5-10*x+x^2)/(x-1)/(x^2-14*x+1)$  lgdogf]  
A103975 5.46762 [  $\{a(n+3)-15*a(n+2)+15*a(n+1)-a(n), a(0) = 16, a(1) = 240, a(2) = 3360\}$ , ogf]  
A103998 5.33498 [  $-(11-100*x+11*x^6-100*x^5-500*x^3+374*x^4+374*x^2)/(x^4-11*x^3+25*x^2-11*x+1)/(3*x^4-22*x^3+25*x^2-1)$  lgdogf]  
A103998 6.40244 [  $-(3*x^4-22*x^3+25*x^2-1)/(x^4-11*x^3+25*x^2-11*x+1)$  ogf]  
A104004 13.0117 [  $-(x-1)*(x+1)/(2*x-1)/(x^2+x-1)$  ogf]  
A104004 6.62204 [  $\{a(n+3)-3*a(n+2)+a(n+1)+2*a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$ , ogf]  
A104004 9.39099 [  $-(3-4*x+2*x^4-3*x^2)/(-1+x)/(2*x-1)/(x+1)/(x^2+x-1)$  lgdogf]  
A104005 11.6196 [  $(x-1)^2/(2*x-1)/(x^2-x-1)$  ogf]  
A104005 15.6727 [  $-(-1+7*x+2*x^3-6*x^2)/(x-1)/(2*x-1)/(x^2-x-1)$  lgdogf]  
A104005 6.32855 [  $\{-a(n+3)+a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = -1, a(2) = 3\}$ , ogf]  
A104008 8.12235 [  $120*(x+1)/(x^2-14*x+1)/(x^2-194*x+1)$  ogf]  
A104009 7.96295 [  $12*x*(x^2-54*x+1)/(x^2-14*x+1)/(x^2-194*x+1)$  ogf]

A104051 4.36822 [ (135680\*x^8-162816\*x^7+27136\*x^6+1500\*x^5-1800\*x^4-1620\*x^3+364\*x^2-8\*x+3)/(5\*x-1)/(128\*x^3-1) ogf]  
A104095 8.61992 -(-1-2\*x+36\*x^5+180\*x^4-4\*x^3-48\*x^2)/(-1+18\*x^2)/(x^4+10\*x^3+19\*x^2+x-1) lgdogf  
A104095 9.39394 [ x\*(18\*x^2-1)/(x^4+10\*x^3+19\*x^2+x-1) ogf]  
A104099 10.0816 [ x\*(17\*x^2+38\*x+5)/(x-1)^4 ogf]  
A104099 18.1798 -2\*(29+74\*x+17\*x^2)/(x-1)/(17\*x^2+38\*x+5) lgdogf  
A104099 3.68840 [ {(-15-5\*n)\*a(n+4)+(-8-33\*n)\*a(n+3)+(169+21\*n)\*a(n+2)+(34+17\*n)\*a(n+1), a(0) = 0, a(1) = 5, a(2) = 58, a(3) = 219}, ogf]  
A104100 7.01725 -(-57-754\*x-1306\*x^2-820\*x^3-81\*x^4+6\*x^5)/(3\*x^2-37\*x-20)/(x^4+10\*x^3+19\*x^2+x-1) lgdogf  
A104100 7.59153 [ x\*(3\*x^2-37\*x-20)/(x^4+10\*x^3+19\*x^2+x-1) ogf]  
A104121 16.5350 [ -x^2\*(x^7-x^6+1)/(x-1) ogf]  
A104121 21.2632 (-1+6\*x^7+6\*x^5-12\*x^6)/(x-1)/(x^7-x^6+1) lgdogf  
A104144 8.46534 [ -x^8/(x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1) ogf]  
A104144 9.11513 -(1+2\*x+9\*x^8+7\*x^6+6\*x^5+5\*x^4+4\*x^3+8\*x^7+3\*x^2)/(x^2-1+x+x^8+x^4+x^9+x^3+x^6+x^5+x^7) lgdogf  
A104150 10.5637 [ {-a(n)\*n+a(n+1), a(0) = 0, a(1) = 1}, ogf]  
A104150 64.9118 1-exp(-x) revegf  
A104155 5.82243 [ -(44\*x^16-x^15-x^14-x^13-7\*x^12-x^11-x^10-x^9-7\*x^8-x^7-x^6-x^5-7\*x^4-x^3-x^2-x-111)/(x^8+1)/(x^4+1)/(x^2+1)/(x+1)/(x-1)^2 ogf]  
A104161 11.6969 -2\*(-1+x^4-x^3+2\*x^2)/(-1+x)/(x^2-x+1)/(x^2+x-1) lgdogf  
A104161 7.83352 [ -x\*(x^2-x+1)/(x^2+x-1)/(x-1)^2 ogf]  
A104175 9.65068 [ -(9\*x^6+3\*x^4+5\*x^3+7\*x^2+6\*x+8)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1) ogf]  
A104184 22.1286 x\*(x-1)^2/(1-x+x^2-x^3+x^4) revogf  
A104187 6.63683 -(x+1)\*(x^4+3\*x^2+2\*x-3)\*(1+x^2)/(-1+x)/(x^2+x+1)/(x^2-x+1)/(x^3+x^2+x-1) lgdogf  
A104187 6.81742 [ -(x^2+x+1)\*(x^2-x+1)/(x^3+x^2+x-1)/(x-1)^2 ogf]  
A104188 12.6923 [ -4\*x\*(5\*x+3)/(x-1)^3 ogf]  
A104188 30.7407 -2\*(5\*x+7)/(5\*x+3)/(x-1) lgdogf  
A104188 6.62693 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 12, a(2) = 56}, ogf]  
A104204 6.29440 [ -(x^11+x^10-2\*x^9-2\*x^8+2\*x^7+3\*x^6-3\*x^4-x^3-2\*x^2-x-1)/(x^9-x^6-2\*x^3+1) ogf]  
A104205 3.96631 [ -x\*(x^18+x^17+2\*x^16-4\*x^15-3\*x^14+8\*x^13+x^12-3\*x^11-6\*x^10+2\*x^9+x^8+2\*x^7-6\*x^5-3\*x^4-3\*x^3-2\*x^2-x-1)/(x^4+1)/(x^12-3\*x^4+1) ogf]  
A104220 9.22674 [ -(x^4+x^2-1)/(x-1)/(x^2+x+1)/(x^2+x-1) ogf]  
A104220 9.64095 -(1+x^8+4\*x^6+4\*x^5-3\*x^4-8\*x^3+4\*x^2)/(x-1)/(x^2+x+1)/(x^2+x-1)/(x^4+x^2-1) lgdogf  
A104221 12.0717 [ 2\*x^3/(x-1)/(x^2+x+1)/(x^2+x-1) ogf]  
A104221 13.8248 -(-1-2\*x+5\*x^4+4\*x^3-3\*x^2)/(x^2+x-1)/(x^2+x+1)/(x-1) lgdogf  
A104237 7.21524 [ -(x^2-x+1)\*(2\*x^4-x^3+x^2+x+1)/(x-1)/(x^2+1)/(x^3-x^2+x+1)/(x+1)^2 ogf]  
A104240 6.23882 [ -x\*(7\*x^4+137\*x^3+360\*x^2+137\*x+7)/(x-1)/(x^2-11\*x+1)/(x^4+11\*x^3+120\*x^2+11\*x+1) ogf]  
A104249 14.4066 [ -(2\*x^2+1)/(x-1)^3 ogf]  
A104249 26.8536 -(3+4\*x+2\*x^2)/(x-1)/(2\*x^2+1) lgdogf  
A104249 7.33191 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 8}, ogf]  
A104270 10.1533 [ -(4\*x^2-3\*x+1)/(2\*x-1)^3 ogf]  
A104270 16.6574 -(3-4\*x+8\*x^2)/(-1+2\*x)/(4\*x^2-3\*x+1) lgdogf  
A104270 5.52197 [ {a(n+3)-6\*a(n+2)+12\*a(n+1)-8\*a(n), a(0) = 1, a(1) = 3, a(2) = 10}, ogf]  
A104344 4.44425 [ {(-n^2-8\*n-16)\*a(n+1)+(n^2+8\*n+17)\*a(n+2)-a(n+3), a(0) = 1, a(1) = 5, a(2) = 41}, ogf]  
A104356 10.5022 (5+64\*x^5+20\*x^4-20\*x^3-15\*x^2)/(2\*x-1)/(8\*x^5+10\*x^4+5\*x^3-3\*x-1) lgdogf  
A104356 11.4034 [ (8\*x^5+10\*x^4+5\*x^3-3\*x-1)/(2\*x-1) ogf]

A104385 4.90131 [  $-x^2*(x^6-3*x^5+3*x^4-2*x^3+3*x^2+1)/(x^2+1)/(x^2+x+1)/(x-1)^5$  ogf]  
A104385 5.59282  $-(4+8*x$   
 $+17*x^6+8*x^8-10*x^7+17*x^2+20*x^3+23*x^4+8*x^5+3*x^{10}-8*x^9)/(x-1)/(1+x^2)/$   
 $(x^2+x+1)/(x^6-3*x^5+3*x^4-2*x^3+3*x^2+1)$  lgdogf  
A104403 6.11324 [  $-x*(64*x^6-64*x^5+16*x^4+15*x^3+15*x^2+11*x+3)/(16*x-1)/(x+1)/$   
 $(x^2+1)/(x-1)^2$  ogf]  
A104406 5.94809 [  $-(x^4+x^3+x^2+x+1)*(x^{35}-x^{33}+x^{32}-x^{28}+x^{27}+x^{26}-x^{24}+x^{22}-$   
 $x^{19}+x^{17}-x^{14}+x^{12}-x^9+x^8+x^7-x^6+x^5-x^4+x^2-x+1)/(x-1)$  ogf]  
A104408 12.7869 [  $-(-x^5+x^3-x)/(-x^8-x^7+x+1)$  ogf\_with\_Euler\_transform]  
A104409 18.5060 [  $-x^3/(x^8+x^7-x-1)$  ogf\_with\_Euler\_transform]  
A104410 10.6655 [  $-(-x^6+x^4+x^3+x^2-1)/(x^8+x^7-x-1)$  ogf\_with\_Euler\_transform]  
A104449 17.9922 [  $(2*x-3)/(x^2+x-1)$  ogf]  
A104449 21.4863  $1/2/(-2+x)*(-3-x+(9-2*x+5*x^2)^{(1/2)})$  revogf  
A104449 23.3821  $-(-1-6*x+2*x^2)/(-3+2*x)/(x^2+x-1)$  lgdogf  
A104449 9.87374 [  $\{-a(n+2)+a(n+1)+a(n), a(0) = 3, a(1) = 1\}$ , ogf]  
A104454 28.6516  $-(-7+45*x)/(9*x-1)/(5*x-1)$  lgdogf  
A104454 4.88584 [  $\{(-n-3)*a(n+3)+(35+14*n)*a(n+2)+(-90-45*n)*a(n+1), a(0) = 1,$   
 $a(1) = 7, a(2) = 51\}$ , ogf]  
A104454 7.16289  $x*(x^4+3*x^2+1)*(5*x^4+5*x^2+1)/(1+7*x$   
 $+2*x^{10}+10*x^2+56*x^3+50*x^6+35*x^4+147*x^5+25*x^8+35*x^9+140*x^7)$  revogf  
A104455 37.7487  $x*(x-1)/(-1-3*x+3*x^2)$  revogf  
A104455 5.44095 [  $\{(-21*n-42)*a(n+1)+(10*n+28)*a(n+2)+(-n-4)*a(n+3), a(0) = 1,$   
 $a(1) = 4, a(2) = 17\}$ , ogf]  
A104459 14.8972 [  $(9*x^3-2*x-1)/(10*x^2-1)$  ogf]  
A104459 15.9060  $(2+20*x-7*x^2+90*x^4)/(10*x^2-1)/(9*x^3-2*x-1)$  lgdogf  
A104459 7.52384 [  $\{-a(n+4)+10*a(n+2), a(0) = 1, a(1) = 2, a(2) = 10, a(3) = 11\}$ ,  
ogf]  
A104468 8.84286 [  $-(-x^5+x)/(x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$   
ogf\_with\_Euler\_transform]  
A104470 3.06230 [  $\{(n+4)*a(n+1)+(n+4)*a(n+2)+(n+4)*a(n+3)-a(n+4), a(0) = 1, a(1)$   
 $= 1, a(2) = 1, a(3) = 9\}$ , ogf]  
A104473 21.3321  $-(21-14*x+3*x^2)/(x-1)/(x^2-4*x+5)$  lgdogf  
A104473 3.60738 [  $\{(-5*n-20)*a(n+4)+(48+9*n)*a(n+3)+(-24-5*n)*a(n+2)+(n+4)*a(n$   
 $+1), a(0) = 15, a(1) = 63, a(2) = 168, a(3) = 360\}$ , ogf]  
A104473 9.12979 [  $-3*(x^2-4*x+5)/(x-1)^5$  ogf]  
A104474 14.0190  $-4*(-56+28*x+x^3-8*x^2)/(x-1)/(x^3-7*x^2+21*x-35)$  lgdogf  
A104474 5.55871 [  $\{(n^2+14*n+45)*a(n+1)+(-n^2-8*n-12)*a(n+2), a(0) = 35, a(1) =$   
 $224\}$ , ogf]  
A104474 6.54578 [  $(x^3-7*x^2+21*x-35)/(x-1)^7$  ogf]  
A104475 6.36536 [  $\{(-n-2)*a(n+2)+(10+n)*a(n+1), a(0) = 70, a(1) = 630\}$ , ogf]  
A104475 7.01489 [  $-70/(x-1)^9$  ogf]  
A104475 84.3033  $-9/(x-1)$  lgdogf  
A104476 13.5530  $-12*(8+28*x+5*x^3+24*x^2)/(x-1)/(x+1)/(5*x^2+16*x+5)$  lgdogf  
A104476 5.55908 [  $\{(-n^2-22*n-117)*a(n+1)+(n^2+8*n+12)*a(n+2), a(0) = 330, a(1) =$   
 $6336\}$ , ogf]  
A104487 11.6237 [  $(2*x-1)/(3*x-1)/(x^2-3*x+1)$  ogf]  
A104487 12.0550  $-(3*x-2)*(4*x^2-7*x+2)/(-1+3*x)/(2*x-1)/(x^2-3*x+1)$  lgdogf  
A104487 5.50598 [  $\{-a(n+3)+6*a(n+2)-10*a(n+1)+3*a(n), a(0) = 1, a(1) = 4, a(2) =$   
 $14\}$ , ogf]  
A104488 4.78868 [  $x^7*(x^{16}-x^8-1)*(x^{40}+x^{32}+2*x^{24}+3*x^{16}+x^8+1)/(x^{56}+4*x^{32}-$   
 $x^{24}-x^{16}-x^8-1)$  ogf]  
A104497 34.9288  $-2/(-1+8*x)/(-1+4*x)$  lgdogf  
A104497 5.16822 [  $\{(n+2)*a(n+2)+(-10-12*n)*a(n+1)+32*n*a(n), a(0) = 1, a(1) =$   
 $-2\}$ , ogf]  
A104498 26.6098  $x*(-1+x)/(-1-4*x+4*x^2)$  revogf  
A104498 5.01048 [  $\{32*a(n)*n+(-12*n-10)*a(n+1)+(n+2)*a(n+2), a(0) = 0, a(1) = 1\}$ ,  
ogf]  
A104498 5.82882  $-1/2*(8*(8*x-1)^{(1/2)}*(-1+4*x)^{(1/2)}*x-$   
 $(8*x-1)^{(1/2)}*(-1+4*x)^{(1/2)}-1+4*x)/(-1+4*x)^{(3/2)}/x/(8*x-1)^{(1/2)}$  lgdogf  
A104502 8.94783 [  $-(x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^9-1)$

ogf\_with\_Euler\_transform]  
 A104506 13.1300  $(-10*x^2+3*x-1+(1-2*x+5*x^2)^{(1/2)})/(1-2*x+5*x^2)/x$  lgdogf  
 A104506 3.51159  $[ \{ (-5*n^2-25*n-30)*a(n+1)+(2*n^2+11*n+15)*a(n+2)+(-n^2-6*n-8)*a(n+3), a(0) = 0, a(1) = -1, a(2) = -2 \}, ogf ]$   
 A104522 3.87875  $[ \{ (-3*n-9)*a(n+1)+a(n+2)*n+(3*n+7)*a(n+3)+(-n-2)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 19 \}, ogf ]$   
 A104522 9.24666  $-(-3+7*x+3*x^5+2*x^2-10*x^3-15*x^4)/(x-1)/(-1+3*x)/(x+1)/(x^3-3*x^2-x+1)$  lgdogf  
 A104522 9.52057  $[ -(x^3-3*x^2-x+1)/(x+1)/(3*x-1)/(x-1)^2 ogf ]$   
 A104530 3.65386  $[ \{ (512*n^2+256*n)*a(n)+(-288*n^2-528*n-192)*a(n+1)+(52*n^2+170*n+132)*a(n+2)+(-3*n^2-15*n-18)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 15 \}, ogf ]$   
 A104531 3.29016  $[ \{ (1000*n^2+500*n)*a(n)+(-510*n^2-930*n-300)*a(n+1)+(81*n^2+261*n+198)*a(n+2)+(-4*n^2-20*n-24)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 24 \}, ogf ]$   
 A104532 3.48388  $[ \{ (-1728*n^2-864*n)*a(n)+(816*n^2+1488*n+432)*a(n+1)+(-116*n^2-370*n-276)*a(n+2)+(5*n^2+25*n+30)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 35 \}, ogf ]$   
 A104533 31.1269  $2+(-1+4*x-4*x^2)*f(x)$  lgdegf  
 A104533 5.63935  $[ \{ (4*n^2+4*n)*a(n)+(-4*n-6)*a(n+1)+a(n+2), a(0) = 1, a(1) = 2 \}, ogf ]$   
 A104537 17.0832  $[ (x+1)/(4*x^2+2*x+1) ogf ]$   
 A104537 24.4771  $-(1+8*x+4*x^2)/(x+1)/(4*x^2+2*x+1)$  lgdogf  
 A104537 9.37495  $[ \{-a(n+2)-2*a(n+1)-4*a(n), a(0) = 1, a(1) = -1 \}, ogf ]$   
 A104538 17.9902  $[ (2*x+1)/(4*x^2+2*x+1) ogf ]$   
 A104538 18.6452  $-1/4*(-1+2*x+(-1+6*x)*(-1+2*x))^{(1/2)}/(-1+2*x)$  revogf  
 A104538 27.9678  $-8*(x+1)*x/(1+2*x)/(4*x^2+2*x+1)$  lgdogf  
 A104538 9.99454  $[ \{-a(n+2)-2*a(n+1)-4*a(n), a(0) = 1, a(1) = 0 \}, ogf ]$   
 A104545 14.4514  $1/2/(1+x^2)*(-1-x^2+(1+x^2)*(x^2+4*x+1))^{(1/2)}$  revogf  
 A104547 12.5253  $-1/2*(-1-2*x+x^2+(1-2*x^2+4*x^3+x^4))^{(1/2)}/(1+2*x)$  revogf  
 A104550 4.88512  $[ \{ a(n)*n+(-7*n-6)*a(n+1)+(7*n+22)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 20 \}, ogf ]$   
 A104551 19.1159  $-(1-4*x+8*x^2)/(x-1)/(1+4*x^2)$  lgdogf  
 A104554 15.9594  $[ x*(x-1)/(x^4-2*x^3+x-1) ogf ]$   
 A104554 25.4712  $-x^2*(6-8*x+3*x^2)/(x-1)/(x^4-2*x^3+x-1)$  lgdogf  
 A104554 7.51807  $[ \{-a(n+4)+a(n+3)-2*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 0 \}, ogf ]$   
 A104555 17.5655  $[ 3*x^5-3*x^2-3*x+2 ogf\_with\_Euler\_transform ]$   
 A104555 23.6679  $-(2-8*x+5*x^2)/(x-1)/(x^2-x+1)$  lgdogf  
 A104555 7.19001  $[ -x*(x-1)/(x^2-x+1)^3 ogf ]$   
 A104563 10.3412  $[ -x*(x+1)*(x^2-x+1)/(x^2+1)/(x-1)^3 ogf ]$   
 A104563 13.5112  $-(3-2*x+8*x^2+x^4+2*x^5)/(-1+x)/(x+1)/(x^2+1)/(x^2-x+1)$  lgdogf  
 A104563 18.3197  $[-x^5+x^3+x^2-x+3 ogf\_with\_Euler\_transform ]$   
 A104565 16.8713  $-((1+4*x+8*x^2)^{(1/2)}-1)/(1+4*x+8*x^2)^{(1/2)}/x$  lgdogf  
 A104565 4.83470  $[ \{ (8*n+16)*a(n+1)+(4*n+14)*a(n+2)+(n+5)*a(n+3), a(0) = 1, a(1) = -2, a(2) = 3 \}, ogf ]$   
 A104565 51.7388  $-x/(-1+2*x+x^2)$  revogf  
 A104581 22.3149  $[ 1/(x^2-x+1)/(x+1)^2 ogf ]$   
 A104581 27.6424  $[ x^5-x^2+x-1 ogf\_with\_Euler\_transform ]$   
 A104581 38.1212  $-(1-x+4*x^2)/(x+1)/(x^2-x+1)$  lgdogf  
 A104581 7.37830  $[ \{-a(n+4)-a(n+3)-a(n+1)-a(n), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = -2 \}, ogf ]$   
 A104584 10.1667  $-((7+17*x+4*x^4+11*x^3+33*x^2)/(x-1)/(x+1)/(2*x^3+3*x^2+6*x+1))$  lgdogf  
 A104584 7.09334  $[ -x*(2*x^3+3*x^2+6*x+1)/(x+1)^2/(x-1)^3 ogf ]$   
 A104585 13.7573  $-(5+25*x+2*x^4+19*x^3+21*x^2)/(-1+x)/(x+1)/(x^3+6*x^2+3*x+2)$  lgdogf  
 A104585 9.40643  $[ -x*(x^3+6*x^2+3*x+2)/(x+1)^2/(x-1)^3 ogf ]$   
 A104588 9.05489  $[ -(60*x^32+15*x^27-33*x^24-8*x^8-2*x^3-2)/(x-1)/(15*x^24-2) ogf ]$   
 A104598 7.09103  
 20-208\*x-64\*x^2+(-2+48\*x-144\*x^2-64\*x^3)\*f(x)+(15\*x^2-16\*x^4-24\*x^3-2\*x)\*f(x)^2



lgdogf  
 A104621 6.23461 [  $(x^6+2x^5+3x^4+4x^3+5x^2+6x-7)/(x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
 A104624 60.5059  $x/(1-4x)^{1/2}$  revogf  
 A104624 7.20826 [  $\{4a(n+1)n+(n+3)a(n+3), a(0) = 1, a(1) = -2, a(2) = 2\}$ , ogf]  
 A104626 6.69985  $(5-28x+48x^2+2x^3-80x^4+80x^5-30x^6+4x^7)/(-1+x)/(x^2-3x+1)/(2x^5-6x^4-2x^2+11x-4)$  lgdogf  
 A104626 8.24506 [  $(2x^5-6x^4-2x^2+11x-4)/(x-1)/(x^2-3x+1)$  ogf]  
 A104629 4.10250 [  $\{(4n+18)a(n+1)+(7n+30)a(n+2)+(-2n-12)a(n+3), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
 A104630 13.4978 [  $x/(x^4-5x^3+7x^2-5x+1)$  ogf]  
 A104630 13.8643  $-(-5+14x+4x^3-15x^2)/(7x^2+1-5x+x^4-5x^3)$  lgdogf  
 A104632 20.0935  $x(x+1)/(1+3x+x^4+4x^2+2x^3)$  revogf  
 A104643 42.6078  $(1+26x)^{1/26}-1$  revegf  
 A104643 51.7380  $-25+(1+x)f(x)$  lgdegf  
 A104643 8.17900 [  $\{(-n+24)a(n+1)-a(n+2), a(0) = 1, a(1) = 25\}$ , ogf]  
 A104651 6.92238 [  $(x+1)(x^4+174x^3+16415x^2+174x+1)/(x^2-27x+1)/(x^4+27x^3+728x^2+27x+1)$  ogf]  
 A104652 5.44660 [  $8x(4x^4+381x^3+455x^2+381x+4)/(x-1)/(x^6+19602x^3-1)$  ogf]  
 A104653 13.5354  $-(-2-4x+(2x+1)(x+2)^2)^{1/2}/(2x+1)$  revegf  
 A104653 9.73598  $(2(1-4x+x^2)^{1/2}-2-4x+x^2)/(1-4x+x^2)^{1/2}/x/(x-4)$  lgdegf  
 A104661 10.0502 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 2, a(1) = 3\}$ , ogf]  
 A104661 18.3138 [  $-(x-2)/(x-1)^2$  ogf]  
 A104670 15.5167  $-24(1+7x+7x^2)/(x-1)/(21x^2+14x+1)$  lgdogf  
 A104670 4.61213 [  $(21x^2+14x+1)/(x-1)^{10}$  ogf]  
 A104671 4.52185 [  $(56x^3+84x^2+24x+1)/(x-1)^{12}$  ogf]  
 A104671 6.06589 [  $\{(n^2+15n+50)a(n+1)+(-n^2-4n-4)a(n+2), a(0) = 1, a(1) = 36\}$ , ogf]  
 A104673 5.86311 [  $\{(n^2+19n+84)a(n+1)+(-n^2-4n-4)a(n+2), a(0) = 1, a(1) = 66\}$ , ogf]  
 A104675 15.4938 [  $2(2x-3)/(x-1)^3$  ogf]  
 A104675 21.2322  $-(-7+4x)/(-1+x)/(-3+2x)$  lgdogf  
 A104675 7.20328 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 6, a(1) = 14, a(2) = 24\}$ , ogf]  
 A104676 10.2840 [  $-3(2x^2-7x+7)/(x-1)^5$  ogf]  
 A104676 4.04373 [  $\{(7n+28)a(n+4)+(-70-14n)a(n+3)+(42+9n)a(n+2)+(-8-2n)a(n+1), a(0) = 21, a(1) = 84, a(2) = 216, a(3) = 450\}$ , ogf]  
 A104677 6.21389 [  $\{(n^2+15n+50)a(n+1)+(-n^2-9n-14)a(n+2), a(0) = 56, a(1) = 336\}$ , ogf]  
 A104677 7.24954 [  $4(x^3-6x^2+14x-14)/(x-1)^7$  ogf]  
 A104678 5.48505 [  $-(x^4-9x^3+36x^2-84x+126)/(x-1)^9$  ogf]  
 A104678 5.87072 [  $\{(n^2+17n+66)a(n+1)+(-n^2-9n-14)a(n+2), a(0) = 126, a(1) = 1050\}$ , ogf]  
 A104679 5.99999 [  $-252/(x-1)^{11}$  ogf]  
 A104679 6.81817 [  $\{(-n-2)a(n+2)+(12+n)a(n+1), a(0) = 252, a(1) = 2772\}$ , ogf]  
 A104680 3.36168 [  $\{(3n+12)a(n+4)+(-40+4n)a(n+3)+(-112-4n)a(n+2)+(-42-3n)a(n+1), a(0) = 792, a(1) = 13728, a(2) = 123552, a(3) = 772200\}$ , ogf]  
 A104681 8.13470 [  $(2x^{13}-2x^{12}+x^9+x^8-6x^7+6x^6+9x^5+9x^4+2x^3+2x^2+x-1)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2$  ogf]  
 A104683 10.9362 [  $(x^3-x^2+x+1)/(x^2+2x-1)/(x^2-2x-1)$  ogf]  
 A104683 9.17429  $-(-1-10x-9x^2+4x^3+9x^4-2x^5+x^6)/(x^2+2x-1)/(x^2-2x-1)/(x^3-x^2+x+1)$  lgdogf  
 A104686 7.77594 [  $-x(x^6+3x^5+3x^3+3x+1)/(x-1)/(x^2+1)/(x^2+x+1)/(x^4-x^2+1)$  ogf]  
 A104720 12.0042 [  $-1/(x+1)/(10x-1)/(x-1)^2$  ogf]  
 A104720 16.1169  $-(-11+7x+40x^2)/(x-1)/(10x-1)/(x+1)$  lgdogf  
 A104720 3.03020 [  $\{(-n-4)a(n+4)+(41+10n)a(n+3)+(-5+n)a(n+2)+(-50-10n)a(n+1), a(0) = 1, a(1) = 11, a(2) = 112, a(3) = 1122\}$ , ogf]

A104721 14.2873 [  $-(x+1)^2/(2*x-1)/(2*x+1)$  ogf]  
A104721 21.4443  $-2*(1+4*x)/(2*x+1)/(2*x-1)/(x+1)$  lgdogf  
A104721 8.33427 [  $\{-a(n+3)+4*a(n+1), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A104722 5.44413  $(12*n^2+80*n+132)*a(n+1)+(80*n+12*n^2+128)*a(n+2)+(-44-23*n-3*n^2)*a(n+3)+(-3*n^2-23*n-40)*a(n+4), a(0)=2, a(1)=2, a(2)=2, a(3)=10$  lgdogf  
A104740 4.63790 [  $(3*x+1)*(x^26-x^24+x^22+x^16+x^12-1)/(x^26-x^24+x^22+x^16+x^12+x^8+x^2-1)$  ogf]  
A104743 10.5755 [  $(x+1)*(2*x-1)/(3*x-1)/(x-1)^2$  ogf]  
A104743 12.3936  $-2*(2-7*x+6*x^2+3*x^3)/(x-1)/(3*x-1)/(-1+2*x)/(x+1)$  lgdogf  
A104743 5.70888 [  $\{a(n+3)-5*a(n+2)+7*a(n+1)-3*a(n), a(0) = 1, a(1) = 4, a(2) = 11\}$ , ogf]  
A104745 11.6975  $-2*(3-12*x+15*x^2+10*x^3)/(x-1)/(5*x-1)/(4*x^2+x-1)$  lgdogf  
A104745 5.34154 [  $\{a(n+3)-7*a(n+2)+11*a(n+1)-5*a(n), a(0) = 1, a(1) = 6, a(2) = 27\}$ , ogf]  
A104745 9.82153 [  $(4*x^2+x-1)/(5*x-1)/(x-1)^2$  ogf]  
A104747 7.99728 [  $-(3*x^2-3*x+1)/(2*x-1)^2/(x-1)^3$  ogf]  
A104767 14.6884 [  $-x*(x^2+1)/(2*x^3-2*x^2+2*x-1)$  ogf]  
A104767 17.9571  $-2*(1-x+x^4+2*x^2)/(x^2+1)/(2*x^3-2*x^2+2*x-1)$  lgdogf  
A104767 6.39113 [  $\{-a(n+4)+2*a(n+3)-2*a(n+2)+2*a(n+1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3\}$ , ogf]  
A104769 20.9988 [  $x/(x^3-x-1)$  ogf]  
A104769 40.7350  $-(-1+3*x^2)/(-1-x+x^3)$  lgdogf  
A104769 8.35434 [  $\{a(n+3)+a(n+2)-a(n), a(0) = 0, a(1) = -1, a(2) = 1\}$ , ogf]  
A104770 16.7791 [  $-(x^2+1)/(x^3-x-1)$  ogf]  
A104770 25.2207  $-(-1+2*x+x^4+4*x^2)/(x^2+1)/(x^3-x-1)$  lgdogf  
A104770 8.74653 [  $\{-a(n+3)-a(n+2)+a(n), a(0) = 1, a(1) = -1, a(2) = 2\}$ , ogf]  
A104771 16.4435 [  $-(x^2-x+1)/(x^3-x-1)$  ogf]  
A104771 21.8333  $-(-2+2*x+4*x^2-2*x^3+x^4)/(x^2-x+1)/(x^3-x-1)$  lgdogf  
A104771 9.27132 [  $\{a(n+3)+a(n+2)-a(n), a(0) = 1, a(1) = -2, a(2) = 3\}$ , ogf]  
A104777 10.4812  $-(25+73*x+x^5+49*x^4+94*x^3+190*x^2)/(x-1)/(x+1)/(x^4+24*x^3+22*x^2+24*x+1)$  lgdogf  
A104777 8.34517 [  $-(x^4+24*x^3+22*x^2+24*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A104794 13.1461 [  $-(-2*x-4)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A104858 7.13985  $-1/2*(1-2*x+x^2+3*(x^2-6*x+1)^(1/2)*x-(x^2-6*x+1)^(1/2))/x/(x^2-6*x+1)^(1/2)/(-1+x)$  lgdogf  
A104859 3.10766 [  $\{(-27*n^2-135*n-168)*a(n+1)+(31*n^2+161*n+210)*a(n+2)+(-4*n^2-26*n-42)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A104862 11.1407 [  $-x*(x-1)/(x^4+x^2-2*x+1)$  ogf]  
A104862 15.3387  $-(1-2*x+x^2-4*x^3+3*x^4)/(x-1)/(x^4+x^2-2*x+1)$  lgdogf  
A104891 18.7423  $-1/10*(-6*x-5+(16*x^2+60*x+25)^(1/2))/x$  revogf  
A104891 20.0131 [  $5*x/(5*x-1)/(x-1)$  ogf]  
A104891 28.1135  $-2*(-3+5*x)/(5*x-1)/(-1+x)$  lgdogf  
A104891 9.14180 [  $\{a(n+2)-6*a(n+1)+5*a(n), a(0) = 0, a(1) = 5\}$ , ogf]  
A104896 17.6189  $-1/14*(-7-8*x+(49+112*x+36*x^2)^(1/2))/x$  revogf  
A104896 19.2981 [  $7*x/(7*x-1)/(x-1)$  ogf]  
A104896 27.1060  $-2*(-4+7*x)/(7*x-1)/(-1+x)$  lgdogf  
A104896 8.81519 [  $\{a(n+2)-8*a(n+1)+7*a(n), a(0) = 0, a(1) = 7\}$ , ogf]  
A104934 13.2066 [  $(x-1)/(2*x^2+3*x-1)$  ogf]  
A104934 13.8472  $1/2/(-1+2*x)*(-1-3*x+(1+2*x+17*x^2)^(1/2))$  revogf  
A104934 16.6167  $-2*(-1-2*x+x^2)/(x-1)/(2*x^2+3*x-1)$  lgdogf  
A104934 7.24750 [  $\{-a(n+2)+3*a(n+1)+2*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A104969 3.55282 [  $\{(-8*n-24)*a(n+1)+(4*n+12)*a(n+2)+(-2*n-8)*a(n+3)+(n+4)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 12\}$ , ogf]  
A104970 4.80187 [  $\{(16*n+40)*a(n+1)+2*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 18\}$ , ogf]  
A104977 5.06845 [  $(x^20-x^16-x^12-x^4+1)/(x^21+x^20-3*x^19-x^17-x^16-x^13-x^12-x^11-x^5-x^4+x^3+x+1)$  ogf]  
A104979 15.8729  $1/2/(1+x^2)*(1+(1-4*x-4*x^3)^(1/2))*x$  revogf  
A105036 7.18720 [  $-4*x*(x^2+x+1)/(x-1)/(x^4-26*x^2+1)$  ogf]  
A105036 8.04517  $-(2+54*x-53*x^2-56*x^3-24*x^4+2*x^5+3*x^6)/(x-1)/(x^2+x+1)/$

$(x^4-26x^2+1)$  lgdogf  
A105037 7.59317 [  $-2x*(2x^2+x+2)/(x-1)/(x^4-22x^2+1)$  ogf]  
A105037 8.86896  $-(3+92x+6x^6-37x^4-52x^3-112x^2)/(x-1)/(2x^2+x+2)/(x^4-22x^2+1)$  lgdogf  
A105038 15.1578 [  $-4x/(x-1)/(x^2-10x+1)$  ogf]  
A105038 15.9841  $-(11-22x+3x^2)/(x-1)/(x^2-10x+1)$  lgdogf  
A105038 6.24928 [  $\{a(n+3)-11a(n+2)+11a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 44\}$ , ogf]  
A105040 7.82953 [  $-3x*(5x^2+32x+5)/(x-1)/(x^2-16x+1)/(x^2+16x+1)$  ogf]  
A105045 8.28406 [  $-x*(x^4+x^3-7x^2+x+1)/(x-1)/(x^4-8x^2+1)$  ogf]  
A105045 8.71705  $-(2+2x+2x^7+x^8-6x^2-18x^3+47x^4+2x^5-14x^6)/(x-1)/(x^4+x^3-7x^2+x+1)/(x^4-8x^2+1)$  lgdogf  
A105046 5.57756 [  $-x*(x^6+7x^5+137x^4-938x^3+137x^2+7x+1)/(x-1)/(x^2-11x+1)/(x^4+11x^3+120x^2+11x+1)$  ogf]  
A105051 5.96924 [  $-3x^2*(5x^2+32x+5)/(x-1)/(x^2-16x+1)/(x^2+16x+1)$  ogf]  
A105058 4.86149 [  $\{a(n+3)-5a(n+2)-5a(n+1)+a(n), a(0) = 1, a(1) = 13, a(2) = 69\}$ , ogf]  
A105058 9.08541 [  $-(x^2-8x-1)/(x+1)/(x^2-6x+1)$  ogf]  
A105058 9.51276  $-(13+8x-16x^3+x^4+42x^2)/(1+x)/(x^2+1-6x)/(x^2-8x-1)$  lgdogf  
A105063 7.02316 [  $-8x^2*(x+1)^2/(x-1)/(x^2-8x-1)/(x^2+8x-1)$  ogf]  
A105063 8.38286  $-(3+131x+3x^5+3x^4-70x^3-198x^2)/(x-1)/(x+1)/(x^2-8x-1)/(x^2+8x-1)$  lgdogf  
A105072 17.1724  $2a(n)+(-n-1)a(n+1), a(0)=2, a(1)=1$  lgdegf  
A105073 11.0345 [  $-2x/(x-1)/(x^2+x+1)/(x^2-3x+1)$  ogf]  
A105073 12.0565  $-(3-2x+5x^4-12x^3+3x^2)/(x-1)/(x^2+x+1)/(x^2-3x+1)$  lgdogf  
A105076 8.39221 [  $-x*(x^2+x+1)/(x-1)/(x^4-8x^2+1)$  ogf]  
A105076 9.43341  $-(2+18x+3x^6+2x^5-6x^4-20x^3-17x^2)/(x-1)/(x^2+x+1)/(x^4-8x^2+1)$  lgdogf  
A105077 14.4693 [  $-(x^3+5x+5)/(x^2-x+1)/(x+1)^2$  ogf]  
A105077 20.8860  $-x^2*(x^3+12+16x-x^2)/(x+1)/(x^2-x+1)/(x^3+5x+5)$  lgdogf  
A105082 14.5017 [  $-(4x+5)/(x^2+2x-1)$  ogf]  
A105082 15.9848  $1/2/(4+x)*(-5-2x+(25+36x+8x^2)^{1/2})$  revogf  
A105082 17.7609  $-2*(7+5x+2x^2)/(4x+5)/(x^2+2x-1)$  lgdogf  
A105082 7.86236 [  $\{a(n+2)-2a(n+1)-a(n), a(0) = 5, a(1) = 14\}$ , ogf]  
A105094 13.9801 [  $-(8x+16)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A105099 5.91112 [  $-5x*(67x^2+2x+96)/(x-1)/(x^2-48x+1)/(x^2+48x+1)$  ogf]  
A105150 12.8135 [  $-x*(7x^5+5x^4+3x^3+2x^2+x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A105150 9.17620  $-(1+4x+6x^6+4x^5+40x^4+20x^3+9x^2+5x^8+6x^7)/(x-1)/(x^4+x^3+x^2+x+1)/(7x^5+5x^4+3x^3+2x^2+x+1)$  lgdogf  
A105163 10.4417 [  $-(2x^3-5x^2+3x-1)/(x-1)^4$  ogf]  
A105163 4.27667 [  $\{(21n^2+129n+174)*a(n+1)+(-46n^2-244n-282)*a(n+2)+(25n^2+103n+84)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A105175 5.18221 [  $-413x^2*(22363x^2+13920x+22363)/(x-1)/(x^2+6960x+1)/(x^2-6960x+1)$  ogf]  
A105187 3.33030 [  $\{(n^3+12n^2+47n+60)*a(n+1)+(-n-2)*a(n+2), a(0) = 1, a(1) = 24\}$ , ogf]  
A105188 3.55505 [  $\{(-n^4-18n^3-119n^2-342n-360)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 120\}$ , ogf]  
A105198 8.24416 [  $-x*(x^4+2x^3+2x+1)/(x-1)/(x^4+1)/(x^2+1)$  ogf]  
A105198 9.92528  $-(3+3x^{10}+6x^9-5x^8+16x^7-2x-6x^6+4x^5-2x^4+7x^2)/(x-1)/(x^2+1)/(x^4+1)/(x^4+2x^3+2x+1)$  lgdogf  
A105209 7.08066 [  $-(x^{52}+x^{49}-x^{42}-x^{37}-x^{25}-x^{22}-x^{15}-x^3-1)/(x-1)/(x^{49}-x^{22}-1)$  ogf]  
A105218 15.3020  $-(x-2)*(2x^2-3)/(x^2-x-1)/(x-1)^2$  lgdegf  
A105219 28.7337  $-(-4+3x)/(x-1)^2$  lgdegf  
A105225 14.0593 [  $-(3x^2-3x+1)/(x-1)/(2x^2-x+1)$  ogf]  
A105225 16.6819  $-(-1+9x^2-12x^3+6x^4)/(x-1)/(3x^2-3x+1)/(2x^2-x+1)$  lgdogf  
A105225 7.65728 [  $\{-a(n+3)+2a(n+2)-3a(n+1)+2a(n), a(0) = 1, a(1) = -1, a(2) = -2\}$ , ogf]  
A105244 6.65297 [  $(2x^{14}+x^{11}-x^{10}-2x^9-2x^8-3x^7-5x^6-4x^5-3x^4-4x^3-3x^2-2x-1)/(x-1)/(x+1)/(x^2+x$

+1)/(x^2-x+1)/(x^6+x^3+1) ogf]  
A105249 17.7717 -21\*(x+1)\*(5\*x+1)/(x-1)/(15\*x^2+12\*x+1) lgdogf  
A105249 3.39628 [ {(n+4)\*a(n+4)+(12+11\*n)\*a(n+3)+(-120+3\*n)\*a(n  
+2)+(-120-15\*n)\*a(n+1), a(0) = 1, a(1) = 21, a(2) = 168, a(3) = 840}, ogf]  
A105249 5.93635 [ -(15\*x^2+12\*x+1)/(x-1)^9 ogf]  
A105250 13.9768 -8\*(4+42\*x+84\*x^2+35\*x^3)/(x-1)/(35\*x^3+63\*x^2+21\*x+1) lgdogf  
A105250 4.98656 [ -(35\*x^3+63\*x^2+21\*x+1)/(x-1)^11 ogf]  
A105250 6.24334 [ {(n^2+14\*n+45)\*a(n+1)+(-n^2-4\*n-4)\*a(n+2), a(0) = 1, a(1) =  
32}, ogf]  
A105251 10.2460 -45\*(1+16\*x+14\*x^4+56\*x^3+56\*x^2)/(x-1)/  
(70\*x^4+224\*x^3+168\*x^2+32\*x+1) lgdogf  
A105251 6.01904 [ {(n^2+16\*n+60)\*a(n+1)+(-n^2-4\*n-4)\*a(n+2), a(0) = 1, a(1) =  
45}, ogf]  
A105252 6.07189 [ {(n^2+18\*n+77)\*a(n+1)+(-n^2-4\*n-4)\*a(n+2), a(0) = 1, a(1) =  
60}, ogf]  
A105252 8.15700 -30\*(2+45\*x+240\*x^2+420\*x^3+252\*x^4+42\*x^5)/(x-1)/  
(126\*x^5+630\*x^4+840\*x^3+360\*x^2+45\*x+1) lgdogf  
A105253 6.11803 [ {(n^2+20\*n+96)\*a(n+1)+(-n^2-4\*n-4)\*a(n+2), a(0) = 1, a(1) =  
77}, ogf]  
A105254 5.93281 [ {(n^2+22\*n+117)\*a(n+1)+(-n^2-4\*n-4)\*a(n+2), a(0) = 1, a(1) =  
96}, ogf]  
A105262 8.42734 -(1+8\*x+3\*x^6+10\*x^2+2\*x^3-4\*x^4+2\*x^7)/(x+1)/(x^3+x^2-1)/(x^4-  
x^3-3\*x^2-2\*x+1) lgdogf  
A105262 9.30059 [ -(x^3+x^2-1)/(x+1)/(x^4-x^3-3\*x^2-2\*x+1) ogf]  
A105271 8.16516 (4+5922\*x^8-12851\*x^7+6937\*x^6+14\*x^4-37\*x^3+27\*x^2)/(x-1)/  
(987\*x^8-991\*x^7+7\*x^4-9\*x^3+x^2-2\*x-1) lgdogf  
A105271 8.72766 [ -x\*(987\*x^8-991\*x^7+7\*x^4-9\*x^3+x^2-2\*x-1)/(x-1)^2 ogf]  
A105279 15.9540 -1/20\*(-10-11\*x+(100+220\*x+81\*x^2)^(1/2))/x revogf  
A105279 17.3752 [ 10\*x/(10\*x-1)/(x-1) ogf]  
A105279 25.4082 -(-11+20\*x)/(10\*x-1)/(-1+x) lgdogf  
A105279 8.27392 [ {a(n+2)-11\*a(n+1)+10\*a(n), a(0) = 0, a(1) = 10}, ogf]  
A105280 15.5914 -1/22\*(-12\*x-11+(100\*x^2+264\*x+121)^(1/2))/x revogf  
A105280 17.3752 [ 11\*x/(11\*x-1)/(x-1) ogf]  
A105280 24.5008 -2\*(-6+11\*x)/(11\*x-1)/(-1+x) lgdogf  
A105280 8.27392 [ {a(n+2)-12\*a(n+1)+11\*a(n), a(0) = 0, a(1) = 11}, ogf]  
A105281 18.6521 -1/12\*(-7\*x-6+(25\*x^2+84\*x+36)^(1/2))/x revogf  
A105281 19.9146 [ 6\*x/(-1+6\*x)/(x-1) ogf]  
A105281 29.0973 -(-7+12\*x)/(6\*x-1)/(-1+x) lgdogf  
A105281 9.09679 [ {a(n+2)-7\*a(n+1)+6\*a(n), a(0) = 0, a(1) = 6}, ogf]  
A105309 10.6638 [ -(x-1)\*(x+1)/(x^4-x^3-2\*x^2-x+1) ogf]  
A105309 10.9562 -(1+2\*x-x^4-4\*x^3+2\*x^5+4\*x^2)/(x-1)/(x+1)/(x^4-x^3-2\*x^2-x+1)  
lgdogf  
A105340 105.693 -3/(x-1) lgdogf  
A105340 8.74952 [ x\*(2048\*x^60+6144\*x^59+12288\*x^58+1)/  
(20480\*x^60-30720\*x^59+12288\*x^58-x^3+3\*x^2-3\*x+1) ogf]  
A105343 10.8790 [ -(x^4+x^3-2\*x^2+x+1)/(x+1)/(x-1)^3 ogf]  
A105367 16.3177 -x^2\*(3+6\*x+4\*x^2+2\*x^3)/(x^2+x+1)/(x^4+x^3+x^2+x+1) lgdogf  
A105367 19.1998 [[x^4-x^2] ogf\_with\_Euler\_transform]  
A105367 8.09042 [ (x^2+x+1)/(x^4+x^3+x^2+x+1) ogf]  
A105368 10.0734 [ -(x-1)\*(x^2+x+1)/(x^4+x^3+x^2+x+1) ogf]  
A105368 13.4624 -(-1-2\*x-6\*x^2-6\*x^3-x^4+x^6)/(x-1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)  
lgdogf  
A105368 19.7855 [[x^4-x^2-1] ogf\_with\_Euler\_transform]  
A105369 10.7425 -(1+2\*x)\*(15\*x^4+30\*x^3+25\*x^2+10\*x+2)/(3\*x^2+3\*x+1)/  
(5\*x^4+10\*x^3+10\*x^2+5\*x+1) lgdogf  
A105369 11.2905 [ (3\*x^2+3\*x+1)/(5\*x^4+10\*x^3+10\*x^2+5\*x+1) ogf]  
A105370 10.4806 [ (x+1)\*(3\*x^2+3\*x+1)/(5\*x^4+10\*x^3+10\*x^2+5\*x+1) ogf]  
A105370 9.78291 -(1+8\*x+60\*x^5+15\*x^6+31\*x^2+70\*x^3+90\*x^4)/(x+1)/(3\*x^2+3\*x+1)/  
(5\*x^4+10\*x^3+10\*x^2+5\*x+1) lgdogf  
A105371 10.4566 -(1-4\*x+x^6-4\*x^5+6\*x^4-6\*x^3+5\*x^2)/(x-1)/(x^2-x+1)/  
(x^4-2\*x^3+4\*x^2-3\*x+1) lgdogf

A105371 9.35627 [  $-(x-1)*(x^2-x+1)/(x^4-2*x^3+4*x^2-3*x+1)$  ogf]  
A105374 10.1403 [  $8*x*(x^2+x+1)/(x-1)^4$  ogf]  
A105374 24.3135  $-(5+5*x+2*x^2)/(x-1)/(x^2+x+1)$  lgdogf  
A105374 29.3849 [  $[-x^2+5]$  ogf\_with\_Euler\_transform]  
A105374 4.45927 [  $\{(-3-n)*a(n+4)+5*a(n+3)+5*a(n+2)+(n+2)*a(n+1), a(0) = 0, a(1) = 8, a(2) = 40, a(3) = 120\}$ , ogf]  
A105384 13.1716 [  $x/(x^4+x^3+x^2+x+1)$  ogf]  
A105384 15.9763  $-a(n+4)-a(n+3)-a(n+2)-a(n+1)-a(n), a(0)=-1, a(1)=-1, a(2)=-1, a(3)=-1$  lgdogf  
A105384 27.8663 [  $[x^4-1]$  ogf\_with\_Euler\_transform]  
A105385 19.5144  $-x*(2+3*x^3+6*x^2+4*x)/(x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A105385 23.5790 [  $[x^4-x]$  ogf\_with\_Euler\_transform]  
A105385 9.68726 [  $(x+1)/(x^4+x^3+x^2+x+1)$  ogf]  
A105390 9.75704 [  $-x^{11}*(x^{19}-x^{10+1})/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A105392 6.55086  $-(-17-16*x+82*x^2+44*x^3-13*x^4-4*x^5-4*x^6+x^8)/(x+1)/(x^2-3*x+1)/(x^2+x-1)/(x^4-3*x^2-2*x-5)$  lgdogf  
A105392 7.02871 [  $x*(x^4-3*x^2-2*x-5)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A105395 10.3260 [  $\{-a(n+4)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 7\}$ , ogf]  
A105395 15.9455  $-(1+2*x+x^4+2*x^3+21*x^2)/(x-1)/(2*x+1)/(x^2+x+1)/(3*x^2-x+1)$  lgdogf  
A105395 17.3911 [  $-(2*x+1)*(3*x^2-x+1)/(x-1)/(x^2+x+1)$  ogf]  
A105396 13.0433 [  $\{-a(n+3)+a(n), a(0) = 3, a(1) = 6, a(2) = 6\}$ , ogf]  
A105396 17.3692  $-(2+4*x+2*x^4+4*x^3+3*x^2)/(x-1)/(x^2+x+1)/(2*x^2+2*x+1)$  lgdogf  
A105396 20.2305 [  $-3*(2*x^2+2*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A105397 14.9589 [  $\{-a(n+2)+a(n), a(0) = 4, a(1) = 2\}$ , ogf]  
A105397 21.4435  $-(1+4*x+x^2)/(x-1)/(x+2)/(x+1)$  lgdogf  
A105397 22.9752  $(-2+(4+x^2+2*x)^{(1/2)})/(x+2)$  revogf  
A105397 23.3505 [  $-2*(x+2)/(x-1)/(x+1)$  ogf]  
A105398 15.4890 [  $\{a(n+2)-a(n), a(0) = 4, a(1) = 8\}$ , ogf]  
A105398 24.1779 [  $-4*(2*x+1)/(x-1)/(x+1)$  ogf]  
A105398 30.3962  $-2*(x^2+x+1)/(x-1)/(2*x+1)/(x+1)$  lgdogf  
A105398 34.7385  $(-2+(4+8*x+x^2)^{(1/2)})/(8+x)$  revogf  
A105423 26.0408  $-3*x*(x-2)/(x-1)/(x^2+x-1)$  lgdogf  
A105423 3.84156 [  $\{(n+4)*a(n+4)+(-2*n-6)*a(n+3)-6*a(n+2)+(n+4)*a(n+1), a(0) = 1, a(1) = 0, a(2) = 3, a(3) = 3\}$ , ogf]  
A105423 8.93039 [  $(x-1)^3/(x^2+x-1)^3$  ogf]  
A105426 13.3144 [  $-(3*x-1)/(x^2-8*x+1)$  ogf]  
A105426 14.6791  $-1/2*(-1-8*x+(1+4*x+60*x^2)^{(1/2)})/(3+x)$  revogf  
A105426 16.7761  $-(5-2*x+3*x^2)/(-1+3*x)/(x^2-8*x+1)$  lgdogf  
A105426 7.30666 [  $\{a(n+2)-8*a(n+1)+a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A105432 10.3872 [  $-(x^{18}-x^{17}+x^6-x^4+x^2+2*x-4)/(x-1)^2$  ogf]  
A105432 9.74327  $(6-4*x+17*x^{16}+16*x^{18}-33*x^{17}+4*x^6-6*x^5-2*x^4+4*x^3)/(x-1)/(x^{18}-x^{17}+x^6-x^4+x^2+2*x-4)$  lgdogf  
A105434 9.30742 [  $(x^{28}+x^{24}+x^{12}+x^6+x^4+x^2+1)/(x-1)^2$  ogf]  
A105450 6.08365 [  $x*(2*x^5-11*x^4+26*x^3-32*x^2+20*x-6)/(x-1)^7$  ogf]  
A105450 9.67550  $-(-22+56*x+4*x^5-23*x^4+60*x^3-82*x^2)/(x-1)/(2*x^5-11*x^4+26*x^3-32*x^2+20*x-6)$  lgdogf  
A105452 5.27530 [  $\{(-7*n-34)*a(n+1)+(7*n+13)*a(n+4), a(0) = 2, a(1) = 13, a(2) = 20, a(3) = 9\}$ , ogf]  
A105452 7.01744  $-((13+40*x+16*x^6+15*x^5+x^7+85*x^4+97*x^3+27*x^2)/(x-1)/(x^2+x+1)/(x^5+8*x^4+5*x^3+20*x^2+13*x+2))$  lgdogf  
A105452 8.38964 [  $(x^5+8*x^4+5*x^3+20*x^2+13*x+2)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A105476 15.7019 [  $(x-1)*(x+1)/(3*x^2+x-1)$  ogf]  
A105476 7.54308 [  $\{-a(n+3)+a(n+2)+3*a(n+1), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A105479 16.6355  $(-n-2)*a(n+2)+a(n+1), a(0)=1, a(1)=1$  lgdegf  
A105514 6.59028 [  $x^{19}*(x+1)*(x^4-x^3+x^2-x+1)*(x^{24}-x^{10+1})/(x^{42}+x^{41}+x^{40}+x^{39}+x^{38}+x^{37}+x^{36}+x^{35}+x^{34}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A105518 7.70696 [  $-x^6*(x^{43}-x^{34}-x^{24}+x^{10-1})/(x^{42}+x^{41}+x^{40}+x^{39}+x^{38}+x^{37}+x^{36}+x^{35}+x^{34}+x^{33}+x^{32}+x^{31}+x^{30}+x^{29}+x^4+x^3+x$

$x^2+x+1)/(x-1)^2$  ogf]  
A105523 13.3204  $-1/2*(2*x-1+(1+4*x^2)^{(1/2)})/(1+4*x^2)^{(1/2)}/x$  lgdogf  
A105523 38.2962  $x*(x-1)/(-1+2*x)$  revogf  
A105559 14.8921  $[-(3*x^2-3)/(x^4+x^2+1)$  ogf\_with\_Euler\_transform]  
A105565 5.95383  $[-x*(x^4-x^43+x^13+x^12+x^10+x^9+x^8+x^7+x^5+x^4+x^3+x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A105576 13.2757  $[-(x^2-2*x+3)/(x-1)/(2*x^2-x+1)$  ogf]  
A105576 15.2695  $-2*(2-8*x+x^4-4*x^3+11*x^2)/(x-1)/(x^2-2*x+3)/(2*x^2-x+1)$  lgdogf  
A105576 7.29565  $[{a(n+3)-2*a(n+2)+3*a(n+1)-2*a(n), a(0) = 3, a(1) = 4, a(2) = 0}]$ , ogf]  
A105577 13.5859  $[(x^2-3*x-1)/(x-1)/(2*x^2-x+1)$  ogf]  
A105577 15.9477  $-(-5+8*x+x^2-12*x^3+2*x^4)/(x-1)/(2*x^2-x+1)/(x^2-3*x-1)$  lgdogf  
A105577 7.39945  $[{a(n+3)-2*a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 5, a(2) = 6}]$ , ogf]  
A105578 14.5465  $[-(x^2-x+1)/(x-1)/(2*x^2-x+1)$  ogf]  
A105578 17.8735  $-(1-4*x+7*x^2-4*x^3+2*x^4)/(x-1)/(x^2-x+1)/(2*x^2-x+1)$  lgdogf  
A105578 7.99401  $[{-a(n+3)+2*a(n+2)-3*a(n+1)+2*a(n), a(0) = 1, a(1) = 1, a(2) = 0}]$ , ogf]  
A105579 14.7063  $[-(x^2+x+1)/(x-1)/(2*x^2-x+1)$  ogf]  
A105579 18.5103  $-(3-4*x+x^2+4*x^3+2*x^4)/(x-1)/(x^2+x+1)/(2*x^2-x+1)$  lgdogf  
A105579 8.00969  $[{a(n+3)-2*a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 3, a(2) = 4}]$ , ogf]  
A105580 14.3103  $[-(x^2+x-5)/(x^3-x^2-x-1)$  ogf]  
A105580 18.9901  $-(6+12*x-15*x^2+2*x^3+x^4)/(x^2+x-5)/(x^3-x^2-x-1)$  lgdogf  
A105580 7.86423  $[{-a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = -5, a(1) = 6, a(2) = 0}]$ , ogf]  
A105633 9.02774  $-1/2*(-(x+1)^{(1/2)}*x-(x+1)^{(1/2)}+(x^3-x^2+3*x+1)^{(1/2)})/(x+1)^{(1/2)}/x$  revogf  
A105635 13.0272  $[x/(x-1)/(x+1)/(x^2+2*x-1)$  ogf]  
A105635 14.4732  $-2*(-1-2*x+2*x^3+3*x^2)/(x-1)/(x+1)/(x^2+2*x-1)$  lgdogf  
A105636 10.0192  $[-x*(x^2+4*x+1)/(x+1)/(x-1)^5$  ogf]  
A105636 18.1929  $-4*(2+6*x+x^3+6*x^2)/(x-1)/(x+1)/(x^2+4*x+1)$  lgdogf  
A105636 4.85960  $[{(n^2+8*n+16)*a(n+1)+(12+4*n)*a(n+2)+(-n^2-4*n-4)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 8}]$ , ogf]  
A105637 14.9801  $[x*(2*x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A105637 15.8034  $-(2+4*x+8*x^4+13*x^3+9*x^2)/(x-1)/(2*x+1)/(x+1)/(x^2+x+1)$  lgdogf  
A105638 10.3418  $[x*(x^3-4*x-1)/(x+1)^2/(x-1)^3$  ogf]  
A105638 16.5144  $-(-5-9*x+2*x^4+x^3-13*x^2)/(x-1)/(x+1)/(x^3-4*x-1)$  lgdogf  
A105644 8.54868  $[x*(6*x^6+6*x^5+6*x^4+6*x^3+6*x^2+6*x+5)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A105660 7.93301  $-(10-66*x+x^6-12*x^5+47*x^4-96*x^3+119*x^2)/(x-1)/(x^2-5*x+3)/(x^4-6*x^3+13*x^2-6*x+1)$  lgdogf  
A105660 8.32410  $[-(x-1)*(x^2-5*x+3)/(x^4-6*x^3+13*x^2-6*x+1)$  ogf]  
A105671 6.12910  $-(1+240*x+x^8-449*x^2+150*x^3+66*x^4-90*x^5+31*x^6)/(x-1)/(x^2+3*x+1)/(x^2-3*x+1)/(x^4+8*x^2-15*x+16)$  lgdogf  
A105671 7.26518  $[-(x^4+8*x^2-15*x+16)/(x-1)/(x^2+3*x+1)/(x^2-3*x+1)$  ogf]  
A105693 13.6688  $-(-4+14*x+4*x^3-13*x^2)/(x-1)/(2*x-1)/(x^2-3*x+1)$  lgdogf  
A105693 13.7838  $[x*(x-1)/(2*x-1)/(x^2-3*x+1)$  ogf]  
A105693 7.07817  $[{-a(n+3)+5*a(n+2)-7*a(n+1)+2*a(n), a(0) = 0, a(1) = 1, a(2) = 4}]$ , ogf]  
A105694 13.6706  $[(x-1)*(x+1)/(10*x-1)$  ogf]  
A105694 16.5408  $2*(5-x+5*x^2)/(x-1)/(10*x-1)/(x+1)$  lgdogf  
A105694 6.59961  $[{-a(n+3)+10*a(n+2), a(0) = 1, a(1) = 10, a(2) = 99}]$ , ogf]  
A105696 22.6360  $(1+3*x^2)/(x-1)/(3*x-1)/(x+1)$  lgdogf  
A105696 3.54377  $[{(-n-4)*a(n+4)+(10+3*n)*a(n+3)+(n+2)*a(n+2)-3*n*a(n+1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6}]$ , ogf]  
A105723 17.2591  $[-4*x/(x+1)/(3*x-1)$  ogf]  
A105723 20.9604  $1/3*(-2-x+2*(1+x+x^2)^{(1/2)})/x$  revogf  
A105723 26.2006  $-2*(3*x+1)/(x+1)/(3*x-1)$  lgdogf  
A105723 7.88380  $[{-a(n+2)+2*a(n+1)+3*a(n), a(0) = 0, a(1) = 4}]$ , ogf]  
A105747 2.80540  $[{-a(n+1)+(-4*n-13)*a(n+2)+(4*n+15)*a(n+3)-a(n+4), a(0) = 1,$

$a(1) = 4, a(2) = 23, a(3) = 216$ , ogf]  
A105748 4.02439 [  $\{a(n+1)+(2^n+6)a(n+2)+(-2^n-8)a(n+3)+a(n+4), a(0) = 1, a(1) = 3, a(2) = 10, a(3) = 47\}$ , ogf]  
A105751 4.31834 [  $\{(n^3+7n^2+17n+15)a(n+1)+(-5-2^n)a(n+2)+(n+2)a(n+3), a(0) = 0, a(1) = 1, a(2) = 3\}$ , ogf]  
A105752 16.0258 [  $1/2*(x^2+2x+2)/(x+1)$  egf]  
A105752 29.7244  $x*(x+2)/(x+1)/(x^2+2x+2)$  lgdegf  
A105752 3.33872 [  $\{(-n^2-2^n)a(n+1)+(-n^2-6n-6)a(n+2)+(-n^2-9n-18)a(n+3)+(-n-4)a(n+4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = -3\}$ , ogf]  
A105754 4.87091 [  $-(8x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1)/(x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A105755 4.37451 [  $-(9x^8+8x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1)/(x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A105770 10.8125  $-2*(1+5x+2x^6+x^5+7x^4+9x^3+2x^2)/(x-1)/(x^2+x+1)/(x^2-x+1)/(4x^2+x+1)$  lgdogf  
A105770 9.40989 [  $-(x^2-x+1)*(4x^2+x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A105801 4.66516 [  $(123x^9-153x^8+153x^7+201x^6-266x^5-29x^4-41x^3+16x^2+2x+2)/(x-1)/(9x^6+33x^3-2)$  ogf]  
A105811 15.4450 [  $-(x^2-x-1)/(x+1)^2$  ogf]  
A105811 41.0944  $(1+3x)/(x+1)/(x^2-x-1)$  lgdogf  
A105811 8.10480 [  $\{-a(n+3)-2a(n+2)-a(n+1), a(0) = 1, a(1) = -1, a(2) = 0\}$ , ogf]  
A105812 15.2969 [  $-(x^2-x-1)/(x+1)$  ogf]  
A105812 36.5585  $x*(x+2)/(x+1)/(x^2-x-1)$  lgdogf  
A105812 8.29349 [  $\{a(n+3)+a(n+2), a(0) = 1, a(1) = 0, a(2) = -1\}$ , ogf]  
A105814 8.88221  $(-13+10x+3240x^11-10440x^10+11250x^9-4050x^8)/(x-1)/(405x^{11}-855x^{10}+450x^9-5x+6)$  lgdogf  
A105814 9.25710 [  $-2*(405x^{11}-855x^{10}+450x^9-5x+6)/(x-1)^3$  ogf]  
A105837 8.49963 [  $(x+1)*(x^2+130x+1)/(x^2+20x+1)/(x^2-20x+1)$  ogf]  
A105838 7.40454 [  $-3x*(13x^2+40x+13)/(x-1)/(x^2+20x+1)/(x^2-20x+1)$  ogf]  
A105839 5.70725 [  $(x+1)*(x^6+36x^5+2891x^4+65280x^3+2891x^2+36x+1)/(x^4-340x^2+1)/(x^4+340x^2+1)$  ogf]  
A105843 9.49686 [  $(x+1)*(x^2+148x+1)/(x^2-12x-1)/(x^2+12x-1)$  ogf]  
A105844 6.37195 [  $-24x*(x^2+x+1)/(x-1)/(x^2-12x-1)/(x^2+12x-1)$  ogf]  
A105845 8.41692 [  $(x+1)*(x^2+4510x+1)/(x^2-64x-1)/(x^2+64x-1)$  ogf]  
A105846 7.39357 [  $-64x*(11x^2+10x+11)/(x-1)/(x^2-64x-1)/(x^2+64x-1)$  ogf]  
A105849 10.6592  $-1/2*(-1-4x-x^2+(x+1)*(x^3-x^2+3x+1))^{(1/2)}/(2x^2+1+4x)$  revogf  
A105866 12.9631 [  $x/(4x^4+2x^3-5x^2-x+1)$  ogf]  
A105866 14.1008  $-(-1-10x+16x^3+6x^2)/(-5x^2+1-x+4x^4+2x^3)$  lgdogf  
A105867 12.4794  $-(-1-12x+6x^2+16x^3)/(x-1)/(2x+1)/(2x^2+2x-1)$  lgdogf  
A105867 13.1928 [  $x/(2x+1)/(x-1)/(2x^2+2x-1)$  ogf]  
A105870 5.98718 [  $x*(x^{14}+6x^{13}+2x^{12}+4x^{11}+5x^{10}+6x^9+6x^8+6x^6+x^5+5x^4+3x^3+2x^2+x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A105899 11.5795  $-(-1+2x+3x^8+3x^6+2x^5-2x^4+8x^3+x^2)/(x-1)/(x^2+x+1)/(x^2-x+1)/(3x^4+2x^2+1)$  lgdogf  
A105899 12.2382 [  $-(3x^4+2x^2+1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A105926 23.5365  $-(1-x+2x^2)/(2x-1)/(x-1)$  lgdegf  
A105927 4.42923 [  $\{(-n^2-5n-6)a(n+1)+(-n^2-5n-6)a(n+2)+(n+1)a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A105928 4.51625 [  $\{(-n^2-5n-6)a(n+1)+(-n^2-5n-6)a(n+2)+na(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$ , ogf]  
A105928 62.5936  $-(3+x)/(x-1)$  lgdegf  
A105938 22.8338  $-3*(15-6x+x^2)/(x-1)/(x^2-5x+10)$  lgdogf  
A105938 3.82025 [  $\{(10n+40)a(n+4)+(-90-15n)a(n+3)+(30+6n)a(n+2)+(-4-n)a(n+1), a(0) = 10, a(1) = 45, a(2) = 126, a(3) = 280\}$ , ogf]  
A105938 9.88489 [  $-(x^2-5x+10)/(x-1)^5$  ogf]  
A105939 5.45047 [  $\{(-n-2)a(n+2)+(8+n)a(n+1), a(0) = 20, a(1) = 140\}$ , ogf]  
A105939 63.3519  $-7/(-1+x)$  lgdogf  
A105939 7.47692 [  $-20/(x-1)^7$  ogf]

A105940 3.67900 [  $\{(2^n+8)a(n+4)+(-18+3^n)a(n+3)+(-60-3^n)a(n+2)+(-20-2^n)a(n+1), a(0) = 56, a(1) = 756, a(2) = 5292, a(3) = 25872\}$ , ogf]
  
A105940 5.23069 [  $-28(x+2)(2x+1)/(x-1)^{11}$  ogf]
  
A105942 5.93069 [  $\{(-n^2-19n-88)a(n+1)+(n^2+7n+10)a(n+2), a(0) = 84, a(1) = 1470\}$ , ogf]
  
A105943 5.48719 [  $\{(-n^2-21n-108)a(n+1)+(n^2+7n+10)a(n+2), a(0) = 120, a(1) = 2640\}$ , ogf]
  
A105944 5.38102 [  $\{(n^2+23n+130)a(n+1)+(-n^2-7n-10)a(n+2), a(0) = 165, a(1) = 4455\}$ , ogf]
  
A105946 13.7141  $-12(2+15x+5x^3+20x^2)/(-1+x)/(10x^3+30x^2+15x+1)$  lgdogf
  
A105946 5.99800 [  $-(10x^3+30x^2+15x+1)/(x-1)^9$  ogf]
  
A105946 6.24182 [  $\{(n^2+12n+35)a(n+1)+(-n^2-4n-4)a(n+2), a(0) = 1, a(1) = 24\}$ , ogf]
  
A105947 4.75167 [  $-(15x^4+80x^3+90x^2+24x+1)/(x-1)^{11}$  ogf]
  
A105947 6.29693 [  $\{(n^2+14n+48)a(n+1)+(-n^2-4n-4)a(n+2), a(0) = 1, a(1) = 35\}$ , ogf]
  
A105948 6.07138 [  $\{(n^2+16n+63)a(n+1)+(-n^2-4n-4)a(n+2), a(0) = 1, a(1) = 48\}$ , ogf]
  
A105948 8.33983  $-24(2+35x+7x^5+70x^4+175x^3+140x^2)/(-1+x)/(21x^5+175x^4+350x^3+210x^2+35x+1)$  lgdogf
  
A105951 7.87578  $-(1-12x+64x^6+144x^5+140x^4+48x^3-16x^2)/(2x+1)/(x+1)/(2x^2+1)/(16x^3+18x^2+8x+3)$  lgdogf
  
A105951 8.65018 [  $-(16x^3+18x^2+8x+3)/(x+1)/(2x+1)/(2x^2+1)$  ogf]
  
A105953 5.84829  $-(5+12x+100x^{10}+120x^9+150x^8+120x^7+125x^6+144x^5+100x^4+48x^3+30x^2)/(5x^6-1)/(19x^6+20x^5+12x^4+10x^3+6x^2+5x+1)$  lgdogf
  
A105953 9.26014 [  $-(19x^6+20x^5+12x^4+10x^3+6x^2+5x+1)/(5x^6-1)$  ogf]
  
A105955 9.14062 [  $-x(x^8+10x^7+2x^6+8x^5+5x^4+3x^3+2x^2+x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]
  
A105960 11.0331  $(-2+84x^{13}-91x^{12}+9x^4-12x^3+527x^{32}-544x^{31})/(x-1)/(17x^{32}+7x^{13}+3x^4+x+1)$  lgdogf
  
A105960 14.7515 [  $-(17x^{32}+7x^{13}+3x^4+x+1)/(x-1)$  ogf]
  
A105963 15.0406 [  $-(4x+1)/(3x^2+x-1)$  ogf]
  
A105963 16.5840  $1/2/(4+3x)*(-x-1+(1+18x+13x^2)^{1/2})$  revogf
  
A105963 18.9531  $-(5+6x+12x^2)/(4x+1)/(3x^2+x-1)$  lgdogf
  
A105963 8.25399 [  $\{a(n+2)-a(n+1)-3a(n), a(0) = 1, a(1) = 5\}$ , ogf]
  
A105964 10.6109 [  $x(x^7-x^6+x^3+1)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2$  ogf]
  
A105964 10.8372  $-x^2(-6x^9+9x^6+5x^{10}+7x^4+6x^3+3)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^7-x^6+x^3+1)$  lgdogf
  
A105966 5.93372 [  $(x^{15}-x^{10}-x^9-x^8-2x^5-x^4-1)/(x-1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)$  ogf]
  
A105968 11.2997  $-2(2+x+3x^2-x^3+x^4)/(x-1)/(2x+1)/(x+1)/(1-4x+x^2)$  lgdogf
  
A105968 12.1244 [  $-(2x+1)(x-1)/(x+1)/(x^2-4x+1)$  ogf]
  
A105968 6.54504 [  $\{a(n+3)-3a(n+2)-3a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 13\}$ , ogf]
  
A106006 7.01186 [  $x^2(3x^6+6x^5+7x^4+6x^3+5x^2+3x+1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
  
A106058 10.7004 [  $-x^3(2x^2-x-2)/(x-1)^4$  ogf]
  
A106058 26.4543  $-(-9+x+4x^2)/(x-1)/(2x^2-x-2)$  lgdogf
  
A106058 4.24707 [  $\{(2996n^2-322n)a(n+1)+(-7179n^2-2946n-7380)a(n+2)+(4183n^2-293n)a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$ , ogf]
  
A106113 14.6046  $-(8+10x+x^4-2x^3-12x^2)/(x-1)/(x^4-3x^3-x^2+3x+1)$  lgdogf
  
A106113 7.69307 [  $-x^3(x^4-3x^3-x^2+3x+1)/(x-1)^5$  ogf]
  
A106150 14.9361  $-2(11+5x+3x^4-16x^2)/(x-1)/(3x^2-x-3)/(x^2-x-1)$  lgdogf
  
A106150 6.93460 [  $x^4(3x^2-x-3)(x^2-x-1)/(x-1)^6$  ogf]
  
A106157 11.3379  $-(-1-4x^5+2x^6+12x^2-12x^3-5x^4)/(x-1)/(2x-1)/(x+1)/(x^4-x^3-2x^2-x+1)$  lgdogf
  
A106157 4.43563 [  $\{(2^n+8)a(n+1)+(-n-4)a(n+2)+(-2^n-4)a(n+3)+(n+2)a(n+4), a(0) = -1, a(1) = -1, a(2) = -2, a(3) = -1\}$ , ogf]
  
A106157 9.34822 [  $(x^4-x^3-2x^2-x+1)/(2x-1)/(x+1)^2/(x-1)^2$  ogf]
  
A106173 5.63719 [  $x^4(x^6-6x^5+2x^4+11x^3-2x^2-6x-1)/(x-1)^7$  ogf]



A106173 9.21847  $-( -13-40*x+x^6-6*x^5-24*x^4+52*x^3+23*x^2)/(x-1)/(x^6-6*x^5+2*x^4+11*x^3-2*x^2-6*x-1)$  lgdogf  
A106174 4.95774  $[ \{ a(n+1)+(-2^n-6)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 4 \},$   
ogf ]  
A106181 4.07905  $[ \{ (-8*n^2-8*n)*a(n)+(12*n^2+48*n+36)*a(n+1)+(-2*n^2-8*n+6)*a(n+2)+(3*n^2+21*n+30)*a(n+3), a(0) = 0, a(1) = 1, a(2) = -1 \},$  ogf ]  
A106183 15.0464  $-2*(-1-2*x+12*x^2)/(2*x+1)/(2*x-1)/(-1+4*x)$  lgdogf  
A106183 3.28294  $[ \{ (-n-4)*a(n+4)+(14+4*n)*a(n+3)+(4*n+12)*a(n+2)+(-40-16*n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 24 \},$  ogf ]  
A106184 16.3197  $-2*(-1-4*x+24*x^2)/(-1+4*x)/(8*x^2-1)$  lgdogf  
A106185 16.1411  $-2*(-1-6*x+36*x^2)/(-1+4*x)/(12*x^2-1)$  lgdogf  
A106186 17.7038  $-2*(1-2*x+12*x^2)/(-1+4*x)/(4*x^2+1)$  lgdogf  
A106186 3.23490  $[ \{ (-n-4)*a(n+4)+(14+4*n)*a(n+3)+(-12-4*n)*a(n+2)+(40+16*n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 16 \},$  ogf ]  
A106188 17.8827  $-2*(-1-x+5*x^2)/(x-1)/(-1+4*x)/(x+1)$  lgdogf  
A106188 3.29976  $[ \{ (-n-4)*a(n+4)+(14+4*n)*a(n+3)+(n+4)*a(n+2)+(-14-4*n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 22 \},$  ogf ]  
A106189 17.4863  $-2*(-1-2*x+10*x^2)/(-1+4*x)/(2*x^2-1)$  lgdogf  
A106189 3.31593  $[ \{ (-n-4)*a(n+4)+(14+4*n)*a(n+3)+(8+2*n)*a(n+2)+(-28-8*n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 24 \},$  ogf ]  
A106191 32.6718  $-(2*x+1)/(-1+4*x)/(x-1)$  lgdogf  
A106191 4.52629  $[ \{ (n+3)*a(n+3)+(-9-5*n)*a(n+2)+(6+4*n)*a(n+1), a(0) = 1, a(1) = -1, a(2) = -3 \},$  ogf ]  
A106192 21.2817  $-2*(1-x+3*x^2)/(x-1)/(-1+4*x)/(x+1)$  lgdogf  
A106192 3.39571  $[ \{ (n+4)*a(n+4)+(-10-4*n)*a(n+3)+(-4-n)*a(n+2)+(10+4*n)*a(n+1), a(0) = 1, a(1) = -2, a(2) = -1, a(3) = -6 \},$  ogf ]  
A106193 21.3759  $-2*(1-2*x+6*x^2)/(-1+4*x)/(2*x^2-1)$  lgdogf  
A106193 3.42968  $[ \{ (-n-4)*a(n+4)+(10+4*n)*a(n+3)+(8+2*n)*a(n+2)+(-20-8*n)*a(n+1), a(0) = 1, a(1) = -2, a(2) = 0, a(3) = -8 \},$  ogf ]  
A106201 17.3113  $[ -x*(x-1)/(4*x^4+x^2-2*x+1)$  ogf ]  
A106201 20.1978  $-( -1+3*x)*(4*x^3-4*x^2-x-1)/(-1+x)/(4*x^4+x^2-2*x+1)$  lgdogf  
A106202 21.4293  $[ 2*x^3/(4*x^4+x^2-2*x+1)$  ogf ]  
A106202 31.0340  $-2*(-1+x+8*x^3)/(x^2+1-2*x+4*x^4)$  lgdogf  
A106202 7.96958  $[ \{ a(n+4)-2*a(n+3)+a(n+2)+4*a(n), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2 \},$  ogf ]  
A106206 25.1969  $-6+(1+144*x)*f(x)$  lgdogf  
A106206 3.91868  $[ \{ (-n-2)*a(n+2)+(-138-144*n)*a(n+1), a(0) = 1, a(1) = 6 \},$  ogf ]  
A106228 14.4950  $1/2/(x+1)*(1+x+(-(x+1)*(-1+3*x))^(1/2))*x$  revogf  
A106230 10.5015  $[ (8*x^4-20*x^3+12*x^2+x-3)/(x-1)^3$  ogf ]  
A106230 12.9189  $2*(4-13*x+4*x^4-16*x^3+24*x^2)/(-1+x)/(8*x^4-20*x^3+12*x^2+x-3)$  lgdogf  
A106230 5.72149  $[ \{ -a(n+5)+3*a(n+4)-3*a(n+3)+a(n+2), a(0) = 3, a(1) = 8, a(2) = 3, a(3) = 8, a(4) = 15 \},$  ogf ]  
A106231 13.1940  $-(19+59*x+x^3+17*x^2)/(-1+x)/(10*x^4-39*x^3+67*x^2-25*x+11)$  lgdogf  
A106231 8.81106  $[ (10*x^4-39*x^3+67*x^2-25*x+11)/(x-1)^4$  ogf ]  
A106232 11.7242  $[ 4*(x^3-3*x^2+2*x-1)/(x-1)^3$  ogf ]  
A106232 25.1628  $(2*x+1)/(-1+x)/(x^3-3*x^2+2*x-1)$  lgdogf  
A106232 6.12458  $[ \{ a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 4, a(1) = 4, a(2) = 12, a(3) = 24 \},$  ogf ]  
A106233 11.2084  $-(3-14*x+25*x^2-24*x^3+9*x^4)/(x-1)/(x^2-x+1)/(3*x^2-3*x+1)$  lgdogf  
A106233 9.24391  $[ -x*(x-1)/(x^2-x+1)/(3*x^2-3*x+1)$  ogf ]  
A106247 10.9655  $[ -(x^2-x-1)^2/(x-1)^3/(x+1)^3$  ogf ]  
A106247 21.2548  $-2*(-1-x+x^3-2*x^2)/(x-1)/(x+1)/(x^2-x-1)$  lgdogf  
A106248 13.7048  $[ -(-6*x^3-6*x^2-6*x-6)/(x^5-1)$  ogf\_with Euler\_transform ]  
A106249 13.2432  $[ (x^3+x^2-x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A106249 13.6484  $-2*x*(1+x^5+2*x^4-x^3+3*x^2+2*x)/(x-1)/(x+1)/(1+x^2)/(x^3+x^2-x+1)$  lgdogf  
A106250 11.5278  $-x*(2+3*x^6+5*x^5-3*x^4+7*x^3+2*x^2+4*x)/(x-1)/(x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf

A106250 13.2203 [  $(x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A106251 11.8673 [  $(x^5+x^3+x^2-x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A106251 8.49804  $-x^*(2-3*x^5+9*x^4+7*x^3+2*x^2+4*x+7*x^6+5*x^7+x^8+2*x^9)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+x^3+x^2-x+1)$  lgdogf  
A106252 10.2891  $-(3+13*x+6*x^6+18*x^5+30*x^4+34*x^3+28*x^2)/(x-1)/(x+1)/(x^2+x+1)/(3*x^3+4*x^2+3*x+1)$  lgdogf  
A106252 12.2109 [  $(3*x^3+4*x^2+3*x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A106253 12.3124  $-(2+8*x+x^6+8*x^5+16*x^4+18*x^3+13*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^3+4*x^2+4*x+2)$  lgdogf  
A106253 14.3666 [  $-(x^3+4*x^2+4*x+2)/(x-1)/(x+1)/(x^2+x+1)$  ogf]  
A106253 7.99430 [  $\{a(n+4)+a(n+3)-a(n+1)-a(n), a(0) = 2, a(1) = 2, a(2) = 2, a(3) = 1\}$ , ogf]  
A106256 10.7608  $-(-3-28*x+14*x^2+4*x^3+x^4)/(x+1)/(1-4*x+x^2)/(x^2+4*x+1)$  lgdogf  
A106256 9.48600 [  $(x+1)^3/(x^2-4*x+1)/(x^2+4*x+1)$  ogf]  
A106257 6.61554  $-(11+118*x+139*x^2-20*x^3+37*x^4+22*x^5+5*x^6)/(x-1)/(x^2+4*x+1)/(5*x^2+16*x+5)/(1-4*x+x^2)$  lgdogf  
A106257 9.03759 [  $-(x-1)*(5*x^2+16*x+5)/(x^2-4*x+1)/(x^2+4*x+1)$  ogf]  
A106258 24.5900  $-4*(2*x+1)/(8*x^2-1+8*x)$  lgdogf  
A106258 3.93557 [  $\{(n+3)*a(n+3)+(-20-8*n)*a(n+2)+(-8*n-16)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 28\}$ , ogf]  
A106259 3.50574 [  $\{(n+3)*a(n+3)+(-30-12*n)*a(n+2)+(-12*n-24)*a(n+1), a(0) = 1, a(1) = 6, a(2) = 60\}$ , ogf]  
A106260 14.2448  $(-8*x+(80*x^2+1)^{(1/2)})/(1+16*x^2)*x$  revogf  
A106260 19.7235  $-8*(1+2*x)/(16*x^2-1+16*x)$  lgdogf  
A106260 3.35990 [  $\{(n+3)*a(n+3)+(-40-16*n)*a(n+2)+(-16*n-32)*a(n+1), a(0) = 1, a(1) = 8, a(2) = 104\}$ , ogf]  
A106261 14.4643  $(-10*x+(120*x^2+1)^{(1/2)})/(1+20*x^2)*x$  revogf  
A106261 20.3571  $-10*(2*x+1)/(20*x^2-1+20*x)$  lgdogf  
A106261 3.57310 [  $\{(n+3)*a(n+3)+(-50-20*n)*a(n+2)+(-20*n-40)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 160\}$ , ogf]  
A106271 16.2688  $-1/2*(-1-5*x-2*x^2+(1-6*x-3*x^2)^{(1/2)})/(x+2)^2$  revogf  
A106318 5.27863 [  $-2*(x+1)*(x^4+56*x^3+246*x^2+56*x+1)/(x-1)^7$  ogf]  
A106318 8.24581  $-2*(32+473*x+x^5+88*x^4+718*x^3+1208*x^2)/(x-1)/(x+1)/(x^4+56*x^3+246*x^2+56*x+1)$  lgdogf  
A106328 14.6645  $-1/2*(-3-6*x+(4*x+3)^{(1/2)}*(8*x+3)^{(1/2)})/x$  revogf  
A106328 20.9579 [  $3*x/(x^2-6*x+1)$  ogf]  
A106328 31.5286  $-2*(x-3)/(1-6*x+x^2)$  lgdogf  
A106328 9.57338 [  $\{a(n+2)-6*a(n+1)+a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A106329 16.4439 [  $-3*(3*x-1)/(x^2-6*x+1)$  ogf]  
A106329 20.2065  $-1/2*(-3-6*x+(9+32*x^2)^{(1/2)})/(x+9)$  revogf  
A106329 20.7838  $-(3-2*x+3*x^2)/(-1+3*x)/(x^2-6*x+1)$  lgdogf  
A106329 9.02410 [  $\{a(n+2)-6*a(n+1)+a(n), a(0) = 3, a(1) = 9\}$ , ogf]  
A106330 6.30651  $-(7+22*x+75*x^8+75*x^6-30*x^5+96*x^7+75*x^4+96*x^3+22*x^9+7*x^10+75*x^2)/(7*x^5+11*x^4+25*x^3-11*x^2-7*x-5)/(x^6-10*x^3+1)$  lgdogf  
A106330 9.21479 [  $-(7*x^5+11*x^4+25*x^3-11*x^2-7*x-5)/(x^6-10*x^3+1)$  ogf]  
A106331 6.66398  $-2*(-1-5*x-25*x^4-22*x^3+x^9+3*x^8+10*x^7+10*x^6+3*x^5-18*x^2)/(x^4+2*x^3+5*x^2+2*x+1)/(x^6-10*x^3+1)$  lgdogf  
A106331 8.76108 [  $x*(x^4+2*x^3+5*x^2+2*x+1)/(x^6-10*x^3+1)$  ogf]  
A106336 5.92395  $x*(x-1)*(1+x+x^2)*(x^4+x^3+x^2+x+1)*(x^7-x^3-1)/(x+1)/(x^14-x^11-x^10-2*x^9-2*x^8-x^7+x^5+x^4+2*x^3+x^2+x+1)$  revogf  
A106352 10.6734 [  $-(4*x^2+x+1)/(x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A106352 11.3517  $-(2+14*x+16*x^5+25*x^4+28*x^3+23*x^2)/(x-1)/(x+1)/(x^2+x+1)/(4*x^2+x+1)$  lgdogf  
A106353 6.26563  $-(3+14*x+99*x^6+114*x^5+33*x^2+72*x^3+95*x^4+42*x^8+80*x^7+24*x^9)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(4*x^4+2*x^3+3*x^2+2*x+1)$  lgdogf  
A106353 7.64258 [  $2*(4*x^4+2*x^3+3*x^2+2*x+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A106354 4.17004 [  $-(16*x^8+12*x^7+21*x^6+22*x^5+23*x^4+12*x^3+11*x^2+2*x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^5$  ogf]

A106387 13.6598 [ (5\*x^2+2\*x+4)/(x+1)/(x-1)^2 ogf]  
A106387 17.3861 -(6+24\*x+5\*x^3+9\*x^2)/(x-1)/(x+1)/(5\*x^2+2\*x+4) lgdogf  
A106387 7.37387 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 6, a(2) = 15},  
ogf]  
A106388 8.42883 [ -(11\*x^4+12\*x^3+86\*x^2+12\*x+11)/(x+1)^2/(x-1)^3 ogf]  
A106388 9.54205 -(23+239\*x+11\*x^5+35\*x^4+314\*x^3+170\*x^2)/(-1+x)/(x+1)/  
(11\*x^4+12\*x^3+86\*x^2+12\*x+11) lgdogf  
A106389 13.3793 [ (2\*x^2+10\*x+1)/(x+1)/(x-1)^2 ogf]  
A106389 16.2698 -(11+17\*x+2\*x^3+22\*x^2)/(x-1)/(x+1)/(2\*x^2+10\*x+1) lgdogf  
A106389 7.27646 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 11, a(2) = 14},  
ogf]  
A106390 8.03100 [ -(x^4+60\*x^3+34\*x^2+60\*x+1)/(x+1)^2/(x-1)^3 ogf]  
A106390 9.69513 -(61+133\*x+x^5+121\*x^4+166\*x^3+454\*x^2)/(x-1)/(x+1)/  
(x^4+60\*x^3+34\*x^2+60\*x+1) lgdogf  
A106392 23.3254 [ 1/(10\*x^2-6\*x+1) ogf]  
A106392 30.1132 -2\*(-3+10\*x)/(10\*x^2+1-6\*x) lgdogf  
A106392 9.55499 [{-a(n+2)+6\*a(n+1)-10\*a(n), a(0) = 1, a(1) = 6}, ogf]  
A106393 22.0588 [ 1/(17\*x^2-8\*x+1) ogf]  
A106393 28.8507 -2\*(-4+17\*x)/(17\*x^2+1-8\*x) lgdogf  
A106393 9.03613 [{-a(n+2)+8\*a(n+1)-17\*a(n), a(0) = 1, a(1) = 8}, ogf]  
A106401 6.55989 [ -(-4\*x^8-3\*x^7-3\*x^6-x^5-3\*x^4-3\*x^3-x^2-3\*x-3)/(x^9-1)  
ogf\_with\_Euler\_transform]  
A106402 18.4300 [ -(-6\*x-3)/(x^2+x+1) ogf\_with\_Euler\_transform]  
A106406 3.72196 [ -(-2\*x^14-2\*x^13-2\*x^12-x^11-2\*x^10-x^9-x^8-2\*x^7-2\*x^6-x^5-  
x^4-2\*x^3-x^2-2\*x-2)/(x^15-1) ogf\_with\_Euler\_transform]  
A106434 20.3095 [ -2\*x/(2\*x^2+3\*x-1) ogf]  
A106434 20.5990 1/4/x\*(2\*x-2+(17\*x^2+12\*x+4)^(1/2)) revogf  
A106434 33.7075 -(4\*x+3)/(2\*x^2-1+3\*x) lgdogf  
A106434 9.27719 [{-a(n+2)+3\*a(n+1)+2\*a(n), a(0) = 0, a(1) = 2}, ogf]  
A106435 14.4526 1/6\*(-3\*x-3+(3+6\*x+7\*x^2)^(1/2)\*3^(1/2))/x revogf  
A106435 16.6633 [ -3\*x/(3\*x^2+3\*x-1) ogf]  
A106435 25.2920 -3\*(2\*x+1)/(3\*x^2-1+3\*x) lgdogf  
A106435 7.61163 [{-a(n+2)+3\*a(n+1)+3\*a(n), a(0) = 0, a(1) = 3}, ogf]  
A106438 10.1252 [ x\*(2\*x^2+5\*x-2)/(x^2-3\*x+1)/(x^2+3\*x-1) ogf]  
A106438 8.76165 [ -(7+40\*x+4\*x^5+15\*x^4-8\*x^3-57\*x^2)/(x^2-3\*x+1)/(x^2+3\*x-1)/  
(2\*x^2+5\*x-2) lgdogf]  
A106440 13.2859 -30\*(1+6\*x+2\*x^2)/(-1+4\*x)/(6\*x^2+12\*x+1) lgdogf  
A106450 9.27372 [ (x^6+3\*x^5+x^4-2\*x^3-2\*x^2+3\*x+2)/(x^2+1)/(x+1)^2/(x-1)^2 ogf]  
A106459 10.6909 [ -(x^3+x^2+1)/(-x^4+1) ogf\_with\_Euler\_transform]  
A106466 12.3946 [ (x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^2 ogf]  
A106466 12.7193 [ -(1+4\*x+4\*x^5+2\*x^2+8\*x^3+5\*x^4)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)  
lgdogf]  
A106466 19.5845 [1+x-1/2\*x^2+1/6\*x^3 egf\_with\_Euler\_transform]  
A106469 15.6149 [ -(2\*x+1)\*(x^2+1)/(x-1)/(x+1) ogf]  
A106469 18.1623 2\*(-1-2\*x-4\*x^2+x^4)/(x-1)/(2\*x+1)/(x+1)/(x^2+1) lgdogf  
A106469 9.27133 [{-a(n+4)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 4}, ogf]  
A106472 12.7835 [ (x+1)\*(x-1)^2/(2\*x-1)^2 ogf]  
A106472 21.6141 (3-x+2\*x^2)/(x-1)/(2\*x-1)/(x+1) lgdogf  
A106472 6.78080 [{a(n+4)-4\*a(n+3)+4\*a(n+2), a(0) = 1, a(1) = 3, a(2) = 7, a(3) =  
17}, ogf]  
A106505 6.68187 (7+11\*x+x^11-x^10-5\*x^9-  
x^8+3\*x^7+x^6+7\*x^5+23\*x^4+19\*x^3+15\*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/  
(x^7+x^6+3\*x^5-2\*x^4-2\*x^3-2\*x^2-2\*x-5) lgdogf  
A106505 8.70079 [ -(x^7+x^6+3\*x^5-2\*x^4-2\*x^3-2\*x^2-2\*x-5)/(x^4+x^3+x^2+x+1)/  
(x-1)^2 ogf]  
A106507 29.2611 [-1/(x+1) ogf\_with\_Euler\_transform]  
A106508 13.1178 [ -(-4\*x^3+4\*x^2-6\*x+4)/(x^4-1) ogf\_with\_Euler\_transform]  
A106510 15.7181 [ (x+1)^2/(x^2+x+1) ogf]  
A106510 33.2538 [x^2-2\*x+1 ogf\_with\_Euler\_transform]  
A106510 51.6166 [-(x-1)/(x+1)/(x^2+x+1) lgdogf]  
A106510 8.16725 [{a(n+3)+a(n+2)+a(n+1), a(0) = 1, a(1) = 1, a(2) = -1}, ogf]

A106511 12.3583 [  $-(x+1)^2/(x^2+x+1)/(x^2-x-1)$  ogf]  
A106511 21.4996  $-2*x^3*(x+2)/(x+1)/(x^2+x+1)/(x^2-x-1)$  lgdogf  
A106514 12.6372 [  $-(x-1)/(2*x-1)/(x^2+2*x-1)$  ogf]  
A106514 14.2705  $-(3-6*x+4*x^3-3*x^2)/(2*x-1)/(x-1)/(x^2+2*x-1)$  lgdogf  
A106514 5.98011 [  $\{a(n+3)-4*a(n+2)+3*a(n+1)+2*a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A106515 12.9609 [  $-(x-1)/(x^2+x-1)/(x^2+2*x-1)$  ogf]  
A106515 13.4692  $-(2+3*x^4+2*x^3-9*x^2)/(x-1)/(x^2+x-1)/(x^2+2*x-1)$  lgdogf  
A106517 12.2947 [  $-(x-1)/(3*x-1)/(x^2+x-1)$  ogf]  
A106517 13.5870  $-(2*x-1)*(3*x^2-2*x-3)/(x-1)/(-1+3*x)/(x^2+x-1)$  lgdogf  
A106517 5.76655 [  $\{-a(n+3)+4*a(n+2)-2*a(n+1)-3*a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]  
A106521 5.50236 [  $2*(2*x^4+x^3-29*x^2-10*x-9)/(x-1)/(x^4-20*x^2+1)$  ogf]  
A106523 11.0269  $-(-1-6*x+4*x^5+5*x^4-2*x^3-6*x^2)/(x+1)/(x^2-x-1)/(x^3+x^2+x-1)$  lgdogf  
A106523 12.4351 [  $(x+1)/(x^2-x-1)/(x^3+x^2+x-1)$  ogf]  
A106525 6.10338  $-(11+42*x-x^6-54*x^5+91*x^4+96*x^3+7*x^10+18*x^9+33*x^8+129*x^2)/(x^6-6*x^3+1)/(7*x^5+9*x^4+11*x^3-21*x^2-11*x-9)$  lgdogf  
A106525 8.37554 [  $-(7*x^5+9*x^4+11*x^3-21*x^2-11*x-9)/(x^6-6*x^3+1)$  ogf]  
A106526 6.85854  $-(-3-14*x+27*x^6+12*x^5-42*x^4-44*x^3+4*x^9+9*x^8+28*x^7-45*x^2)/(2*x^4+3*x^3+7*x^2+3*x+2)/(x^6-6*x^3+1)$  lgdogf  
A106526 9.82803 [  $2*(2*x^4+3*x^3+7*x^2+3*x+2)/(x^6-6*x^3+1)$  ogf]  
A106527 5.56639  $-(33+102*x-51*x^6-114*x^5+221*x^4+320*x^3+17*x^10+38*x^9+99*x^8+243*x^2)/(x^6-6*x^3+1)/(17*x^5+19*x^4+33*x^3-51*x^2-33*x-19)$  lgdogf  
A106527 8.09159 [  $-(17*x^5+19*x^4+33*x^3-51*x^2-33*x-19)/(x^6-6*x^3+1)$  ogf]  
A106528 9.57638 [  $2*(3*x^4+10*x^3+17*x^2+10*x+3)/(x^6-6*x^3+1)$  ogf]  
A106540 11.0627 [  $-(x-1)^2/(2*x^3-5*x^2+3*x-1)$  ogf]  
A106540 15.2507  $-(-1+7*x+2*x^3-6*x^2)/(x-1)/(2*x^3-5*x^2+3*x-1)$  lgdogf  
A106540 6.02523 [  $\{a(n+3)-3*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 1, a(2) = -1\}$ , ogf]  
A106541 11.6932 [  $-2*(x-1)^2/(2*x^3-5*x^2+3*x-1)$  ogf]  
A106541 15.7343  $-(-1+7*x+2*x^3-6*x^2)/(-1+x)/(2*x^3-5*x^2+3*x-1)$  lgdogf  
A106541 6.36864 [  $\{a(n+3)-3*a(n+2)+5*a(n+1)-2*a(n), a(0) = 2, a(1) = 2, a(2) = -2\}$ , ogf]  
A106542 11.9799 [  $-3*(x-1)^2/(2*x^3-5*x^2+3*x-1)$  ogf]  
A106542 6.52474 [  $\{a(n+3)-3*a(n+2)+5*a(n+1)-2*a(n), a(0) = 3, a(1) = 3, a(2) = -3\}$ , ogf]  
A106565 13.1468  $1/10*(-5*x-5+(5+10*x+9*x^2)^{(1/2)}*5^{(1/2)})/x$  revogf  
A106565 15.8809 [  $-5*x/(5*x^2+5*x-1)$  ogf]  
A106565 24.1025  $-5*(2*x+1)/(5*x^2-1+5*x)$  lgdogf  
A106565 7.25422 [  $\{-a(n+2)+5*a(n+1)+5*a(n), a(0) = 0, a(1) = 5\}$ , ogf]  
A106567 15.3049  $1/8/x*(-5*x-4+(41*x^2+40*x+16)^{(1/2)})$  revogf  
A106567 18.9824 [  $-4*x/(4*x^2+5*x-1)$  ogf]  
A106567 25.7400  $-(5+8*x)/(4*x^2-1+5*x)$  lgdogf  
A106567 8.67099 [  $\{-a(n+2)+5*a(n+1)+4*a(n), a(0) = 0, a(1) = 4\}$ , ogf]  
A106568 15.9565 [  $-4*x/(4*x^2+4*x-1)$  ogf]  
A106568 18.1599  $1/2*(-1-x+(1+2*x+2*x^2)^{(1/2)})/x$  revogf  
A106568 24.2131  $-4*(2*x+1)/(4*x^2-1+4*x)$  lgdogf  
A106568 7.28875 [  $\{-a(n+2)+4*a(n+1)+4*a(n), a(0) = 0, a(1) = 4\}$ , ogf]  
A106569 15.1403 [  $-3*x/(3*x^2+5*x-1)$  ogf]  
A106569 15.3072  $1/6/x*(-5*x-3+(37*x^2+30*x+9)^{(1/2)})$  revogf  
A106569 25.0481  $-(5+6*x)/(3*x^2-1+5*x)$  lgdogf  
A106569 6.91595 [  $\{-a(n+2)+5*a(n+1)+3*a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A106570 17.1181 [  $-3*x/(3*x^2+4*x-1)$  ogf]  
A106570 17.3323  $1/6/x*(-4*x-3+(28*x^2+24*x+9)^{(1/2)})$  revogf  
A106570 25.9984  $-2*(3*x+2)/(3*x^2-1+4*x)$  lgdogf  
A106570 7.81937 [  $\{-a(n+2)+4*a(n+1)+3*a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A106576 5.55738 [  $-(8*x^17+9*x^16+4*x^13+7*x^12+5*x^8+6*x^5+3*x^4+2*x+1)/(x-1)/$

$(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A106586 6.31397 [  $-(x^8+2x^7+7x^6-2x^5+9x^4-2x^3+7x^2+2x+1)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A106603 17.5598 [  $(3x+1)/(8x^3+2x+1)$  ogf]  
A106603 20.3718  $-(-1+24x^2+48x^3)/(3x+1)/(8x^3+2x+1)$  lgdogf  
A106603 8.40627 [  $\{a(n+3)+2a(n+2)+8a(n), a(0) = 1, a(1) = 1, a(2) = -2\}$ , ogf]  
A106607 13.6382  $-(1+4x+3x^5-2x^4+7x^3+3x^2)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)$  lgdogf  
A106607 20.9058 [  $-2x^5+x^3+2x^2+2x+1$  ogf\_with\_Euler\_transform]  
A106607 7.90248 [  $(x^2-x+1)^2/(x^2+1)/(x+1)/(x-1)^4$  ogf]  
A106608 6.39671 [  $x*(x^{12}+2x^{11}+3x^{10}+4x^9+5x^8+6x^7+x^6+6x^5+5x^4+4x^3+3x^2+2x+1)/(x-1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)^2$  ogf]  
A106609 5.79818 [  $x*(x^2-x+1)*(x^{12}+2x^{11}+4x^{10}+3x^9+4x^8+4x^7+7x^6+4x^5+4x^4+3x^3+4x^2+2x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2/(x^4+1)^2$  ogf]  
A106610 5.14666 [  $x*(x^{14}+3x^{13}+3x^{12}+4x^{11}+6x^{10}+4x^9+5x^8+9x^7+5x^6+4x^5+6x^4+4x^3+3x^2+3x+1)*(x^2-x+1)/(x-1)^2/(x^2+x+1)^2/(x^6+x^3+1)^2$  ogf]  
A106624 10.8475  $-x*(-4+2x^5-4x^4+3x^3+8x^2-3x)/(x-1)/(x+1)/(2x^2-1)/(x^3-x^2+1)$  lgdogf  
A106624 12.4551 [  $(x^3-x^2+1)/(x-1)/(x+1)/(2x^2-1)$  ogf]  
A106632 12.7439  $-(3x-1)*(243x^3+81x^2+45x-1)/(3x+1)/(27x^2+1)/(9x^2-2x+1)$  lgdogf  
A106632 13.4121 [  $-(27x^2+1)/(3x+1)/(9x^2-2x+1)$  ogf]  
A106632 6.94137 [  $\{a(n+3)+a(n+2)+3a(n+1)+27a(n), a(0) = -1, a(1) = 1, a(2) = -25\}$ , ogf]  
A106637 7.59818 [  $(x^9+2x^8+x^7+x^6+2x^5+3x^4+3x^3+2x^2+x+2)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A106648 13.5071 [  $-(5x^2-7x+8)/(x-1)^3$  ogf]  
A106648 23.1009  $-(17-4x+5x^2)/(x-1)/(5x^2-7x+8)$  lgdogf  
A106648 7.22747 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 8, a(1) = 17, a(2) = 32\}$ , ogf]  
A106664 13.2770 [  $(x^2-3x+1)/(x-1)/(x+1)/(2x^2-2x+1)$  ogf]  
A106664 14.1318  $-(-1+4x^5-5x^4+20x^3-20x^2)/(x-1)/(x+1)/(x^2-3x+1)/(2x^2-2x+1)$  lgdogf  
A106666 10.5681 [  $-(2x^3-4x^2+1)/(x-1)/(2x^3-2x^2-2x+1)$  ogf]  
A106666 8.21293  $-(3-8x+4x^6-16x^5+16x^4-4x^3+6x^2)/(x-1)/(2x^3-4x^2+1)/(2x^3-2x^2-2x+1)$  lgdogf  
A106691 10.5793  $-(-3-2x+6x^5+4x^6+18x^2+12x^3-11x^4)/(x-1)/(1+2x)/(x+1)/(x^4+x^3-2x^2+x+1)$  lgdogf  
A106691 8.13154 [  $(x^4+x^3-2x^2+x+1)/(x-1)^2/(2x+1)^2/(x+1)^2$  ogf]  
A106706 9.84138 [  $-(19x^5+25x^4+35x^3-11x^2-14x-19)/(x-1)/(2x^3-1)/(x^2+x+1)$  ogf]  
A106707 17.5493  $-1/2*(-4x+1+(-1+2x)^{1/2}*(6x-1)^{1/2})/x$  revogf  
A106707 18.9322 [  $-x/(x^2-4x+1)$  ogf]  
A106707 38.6085  $-2*(x-2)/(x^2+1-4x)$  lgdogf  
A106707 8.64805 [  $\{a(n+2)-4a(n+1)+a(n), a(0) = 0, a(1) = -1\}$ , ogf]  
A106709 16.6096 [  $-2x/(2x^2-5x+1)$  ogf]  
A106709 18.7258  $1/4/x*(-2+5x+(4-20x+17x^2)^{1/2})$  revogf  
A106709 29.3100  $-(-5+4x)/(2x^2+1-5x)$  lgdogf  
A106709 7.58711 [  $\{a(n+2)-5a(n+1)+2a(n), a(0) = 0, a(1) = -2\}$ , ogf]  
A106710 16.1009 [  $26x/(26x-1)/(25x-1)$  ogf]  
A106710 7.76633 [  $\{a(n+2)-51a(n+1)+650a(n), a(0) = 0, a(1) = 26\}$ , ogf]  
A106729 15.0876 [  $-5*(x-1)/(x^2-3x+1)$  ogf]  
A106729 16.2380  $-1/2*(-5-3x+(25+10x+5x^2)^{1/2})/(5+x)$  revogf  
A106729 21.4761  $-(2-2x+x^2)/(-1+x)/(x^2-3x+1)$  lgdogf  
A106729 8.18004 [  $\{a(n+2)-3a(n+1)+a(n), a(0) = 5, a(1) = 10\}$ , ogf]  
A106731 18.5800 [  $-2x/(2x^2-4x+1)$  ogf]  
A106731 22.3276  $1/2*(-1+2x+(1-4x+2x^2)^{1/2})/x$  revogf  
A106731 8.48715 [  $\{a(n+2)-4a(n+1)+2a(n), a(0) = 0, a(1) = -2\}$ , ogf]

A106732 16.5249 [  $-3*x/(3*x^2-5*x+1)$  ogf]  
A106732 18.6387  $1/6/x*(-3+5*x+(9-30*x+13*x^2)^{(1/2)})$  revogf  
A106732 29.1737  $-(-5+6*x)/(3*x^2+1-5*x)$  lgdogf  
A106732 7.54841 [  $\{a(n+2)-5*a(n+1)+3*a(n), a(0) = 0, a(1) = -3\}$ , ogf]  
A106734 15.1319  $-(-1-21*x+7*x^3-9*x^2)/(x-1)/(7*x^3-15*x^2+3*x-1)$  lgdogf  
A106734 3.98011 [  $\{(27*n^2+163*n+218)*a(n+1)+(-62*n^2-328*n-374)*a(n+2)+(35*n^2+141*n+108)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 13\}$ , ogf]  
A106734 9.69513 [  $-(7*x^3-15*x^2+3*x-1)/(x-1)^4$  ogf]  
A106746 6.83893 [  $-(50*x^22-50*x^20+49*x^12-50*x^10+4*x^2-5)/(x+1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)/(x-1)^2$  ogf]  
A106747 8.37814 [  $x^2*(6*x^10-5*x^8+1)/(x+1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)/(x-1)^2$  ogf]  
A106789 6.08370 [  $-2*(5*x^5+x^4+18*x^3-4*x^2+5*x-5)/(x^3+x^2+3*x-1)/(x^3-x^2-x-1)$  ogf]  
A106791 3.67353 [  $-(17*x^9+2*x^8-32*x^7+46*x^6-21*x^5-143*x^4+16*x^3-30*x^2-24*x+17)/(x^4+x^3-3*x^2-3*x+1)/(x^6-x^5+2*x^4-2*x^3-2*x^2-x-1)$  ogf]  
A106793 29.6830  $(1+27*x)^{(1/27)}-1$  revegf  
A106793 36.0437  $-26+(x+1)*f(x)$  lgdegf  
A106793 5.73002 [  $\{(-n+25)*a(n+1)-a(n+2), a(0) = 1, a(1) = 26\}$ , ogf]  
A106803 11.7479 [  $-x*(x-1)/(x^3-x^2-2*x+1)$  ogf]  
A106803 15.6982  $-(1+2*x-4*x^2+2*x^3)/(x-1)/(x^3-x^2-2*x+1)$  lgdogf  
A106803 6.03268 [  $\{a(n+3)-2*a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
A106804 7.54695  $-(-11+108*x-265*x^2-8*x^3+27*x^4+8*x^5)/(4*x^2+9*x-2)/(x^2+5*x-1)/(x^2-5*x+1)$  lgdogf  
A106804 8.81178 [  $x*(4*x^2+9*x-2)/(x^2-5*x+1)/(x^2+5*x-1)$  ogf]  
A106805 21.1691 [  $1/(x^3-x^2-2*x+1)$  ogf]  
A106805 24.0436  $-(-2-2*x+3*x^2)/(-x^2+1-2*x+x^3)$  lgdogf  
A106805 6.99337 [  $\{a(n+3)-2*a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A106832 10.9125 [  $2*(x^2+3*x+1)/(x+1)^2/(x-1)^2$  ogf]  
A106832 13.4747  $-(3+6*x+2*x^3+9*x^2)/(-1+x)/(x+1)/(1+3*x+x^2)$  lgdogf  
A106832 5.36216 [  $\{(n+4)*a(n+1)+(-n-2)*a(n+3), a(0) = 2, a(1) = 6, a(2) = 6\}$ , ogf]  
A106833 14.5684 [  $(3*x^2+4*x+3)/(x+1)^2/(x-1)^2$  ogf]  
A106833 16.6113  $-2*(2+9*x+3*x^3+6*x^2)/(-1+x)/(x+1)/(3+3*x^2+4*x)$  lgdogf  
A106833 7.15859 [  $\{(n+4)*a(n+1)+(-n-2)*a(n+3), a(0) = 3, a(1) = 4, a(2) = 9\}$ , ogf]  
A106835 7.24922  $-(-11+106*x+24*x^5+108*x^4-32*x^3-255*x^2)/(3*x^2+9*x-2)/(2*x^2-5*x+1)/(2*x^2+5*x-1)$  lgdogf  
A106835 9.09129 [  $2*x*(3*x^2+9*x-2)/(2*x^2+5*x-1)/(2*x^2-5*x+1)$  ogf]  
A106839 18.0389 [  $(5*x+11)/(x-1)^2$  ogf]  
A106839 21.4187  $-1/2*(-11-2*x+(121+64*x)^{(1/2)})/(-5+x)$  revogf  
A106839 33.9129  $-(27+5*x)/(5*x+11)/(x-1)$  lgdogf  
A106839 9.87846 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 11, a(1) = 27\}$ , ogf]  
A106845 14.2083  $-2*(7+23*x+9*x^2+5*x^3+x^4)/(x-1)/(x^4+2*x^3+3*x^2+8*x+1)$  lgdogf  
A106845 7.59839 [  $x*(x^4+2*x^3+3*x^2+8*x+1)/(x-1)^6$  ogf]  
A106850 6.74144  $-(-11+104*x-245*x^2-72*x^3+243*x^4+36*x^5)/(3*x^2+5*x-1)/(3*x^2-5*x+1)/(2*x^2+9*x-2)$  lgdogf  
A106850 8.46197 [  $3*x*(2*x^2+9*x-2)/(3*x^2-5*x+1)/(3*x^2+5*x-1)$  ogf]  
A106851 8.43243  $-(-9+70*x+6*x^5+21*x^4-8*x^3-136*x^2)/(x^2-4*x+1)/(3*x^2+7*x-2)/(x^2+4*x-1)$  lgdogf  
A106851 9.72676 [  $x*(3*x^2+7*x-2)/(x^2-4*x+1)/(x^2+4*x-1)$  ogf]  
A106852 10.2758 [  $\{a(n+2)-a(n+1)+3*a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A106852 29.0558 [  $1/(3*x^2-x+1)$  ogf]  
A106852 44.6954  $-(6*x-1)/(3*x^2+1-x)$  lgdogf  
A106853 24.5961 [  $1/(4*x^2-x+1)$  ogf]  
A106853 36.1306  $-(-1+8*x)/(4*x^2+1-x)$  lgdogf  
A106853 8.69863 [  $\{a(n+2)-a(n+1)+4*a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A106854 10.2350 [  $\{a(n+2)-a(n+1)+5*a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A106854 28.9405 [  $1/(5*x^2-x+1)$  ogf]

A106854 40.0723  $-( -1+10*x)/(5*x^2+1-x)$  lgdogf  
A106855 23.2851  $[ 1/(3*x^3-x^2+1)$  ogf]  
A106855 36.8386  $-x*(-2+9*x)/(1-x^2+3*x^3)$  lgdogf  
A106855 9.26396  $[ \{-a(n+3)+a(n+1)-3*a(n), a(0) = 1, a(1) = 0, a(2) = 1\},$  ogf]  
A107025 5.83704  $[ -(x-1)^5/(x^6-7*x^5+15*x^4-20*x^3+15*x^2-6*x+1)$  ogf]  
A107025 7.75666  $-(1-6*x+x^6+15*x^2-20*x^3+20*x^4-6*x^5)/(x-1)/$   
 $(x^6-7*x^5+15*x^4-20*x^3+15*x^2-6*x+1)$  lgdogf  
A107033 14.4221  $[ -(-2*x^3+3*x^2-5*x+3)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A107034 10.0892  $[ -(-2*x^3-x^2-x-1)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A107063 12.8672  $[ -(-2*x^5+x^4-3*x^2+1)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A107064 10.9042  $[ -(-2*x^3+x^2+x-1)/(x^4-x^3+x-1)$  ogf\_with\_Euler\_transform]  
A107066 22.7542  $-( -2+5*x^4)/(x-1)/(x^4+x^3+x^2+x-1)$  lgdogf  
A107066 24.5642  $[ 1/(x-1)/(x^4+x^3+x^2+x-1)$  ogf]  
A107068 17.5388  $[ -1/(x^4-x^3-3*x^2-3*x-1)$  ogf]  
A107068 20.6807  $-( -3-6*x-3*x^2+4*x^3)/(-3*x^2-1-3*x+x^4-x^3)$  lgdogf  
A107075 3.74773  $[ \{-a(n+3)+323*a(n+2)-323*a(n+1)+a(n), a(0) = 1, a(1) = 181, a(2)$   
 $= 58141\},$  ogf]  
A107075 6.82422  $[ -(x^2-142*x+1)/(x-1)/(x^2-322*x+1)$  ogf]  
A107103 12.5714  $3+12*x-4*x^2+(-8-16*x)*f(x)+(-4*x^2-3-10*x+8*x^3)*f(x)^2$  lgdegf  
A107103 3.14689  $[ \{(-3*n-9)*a(n+1)+(6*n^2+29*n+43)*a(n+2)+(-4*n^2-27*n-51)*a(n$   
 $+3)+(-2*n-8)*a(n+4), a(0) = 1, a(1) = -3, a(2) = 12, a(3) = -67\},$  ogf]  
A107104 32.3888  $-4+(1-2*x)*f(x)^2$  lgdegf  
A107118 10.3147  $[ -(x^2-16*x+1)/(x-1)/(x^2-34*x+1)$  ogf]  
A107118 5.64221  $[ \{-a(n+3)+35*a(n+2)-35*a(n+1)+a(n), a(0) = 1, a(1) = 19, a(2) =$   
 $631\},$  ogf]  
A107118 9.22682  $-(19-68*x+x^4-32*x^3+528*x^2)/(x-1)/(x^2-34*x+1)/(x^2-16*x+1)$   
lgdogf  
A107229 5.80725  $(1+2*x+96*x^7+480*x^8+5*x^2-6*x^3+3*x^4-56*x^5-190*x^6+600*x^9)/$   
 $(5*x^3+2*x^2-1)/(30*x^7+12*x^6+4*x^4+4*x^3+x^2-x-1)$  lgdogf  
A107229 7.49252  $[ (30*x^7+12*x^6+4*x^4+4*x^3+x^2-x-1)/(5*x^3+2*x^2-1)$  ogf]  
A107231 17.7226  $-3*(1+6*x+4*x^2)/(2*x+1)/(2*x-1)/(x+1)$  lgdogf  
A107231 3.57776  $[ \{(-n-4)*a(n+4)-n*a(n+3)+(26+4*n)*a(n+2)+(16+4*n)*a(n+1), a(0) =$   
 $1, a(1) = 3, a(2) = 12, a(3) = 30\},$  ogf]  
A107233 3.68464  $[ \{(-3-n)*a(n+4)-4*n*a(n+3)+(32+4*n)*a(n+2)+(32+16*n)*a(n+1),$   
 $a(0) = 0, a(1) = 1, a(2) = 8, a(3) = 30\},$  ogf]  
A107234 15.1649  $[ -( -x^2-x-1)/(-x^5+1)$  ogf\_with\_Euler\_transform]  
A107235 16.2868  $[ -( -x^3-x-1)/(-x^5+1)$  ogf\_with\_Euler\_transform]  
A107236 14.3933  $[ -(x^3+x^2+1)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A107237 13.3599  $[ -(x^3+x^2+x)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A107239 5.89623  $[ x^2*(x^3+x^2+x-1)/(x-1)/(x^3+x^2+3*x-1)/(x^3-x^2-x-1)$  ogf]  
A107239 6.05807  $-2*(-1+2*x^7-4*x^2+14*x^3-12*x^4-2*x^5+2*x^9-8*x^6+x^8)/(x-1)/$   
 $(x^3+x^2+x-1)/(x^3+x^2+3*x-1)/(x^3-x^2-x-1)$  lgdogf  
A107240 5.62509  $[ (x^3-x^2+3*x-1)*(x+1)^2/(x-1)/(x^3+x^2+3*x-1)/(x^3-x^2-x-1)$   
ogf]  
A107241 3.57510  $[ (4*x^9+x^8-7*x^7-x^6-x^5-8*x^4-11*x^3-5*x^2-x+1)/(x-1)/$   
 $(x^4+x^3-3*x^2-3*x+1)/(x^6-x^5+2*x^4-2*x^3-2*x^2-x-1)$  ogf]  
A107242 4.03190  $[ x^2*(x+1)*(x^6-x^5-4*x^2+x+1)/(x-1)/(x^4+x^3-3*x^2-3*x+1)/$   
 $(x^6-x^5+2*x^4-2*x^3-2*x^2-x-1)$  ogf]  
A107248 7.24127  $[ -(25*x^5+37*x^4+33*x^3-3*x^2+x+1)/(5*x^3-2*x^2+1)/$   
 $(5*x^3+2*x^2-1)$  ogf]  
A107253 11.0131  $-(1+96*x+15*x^4-28*x^3+36*x^2)/(x-1)/(15*x^4-44*x^3+56*x^2-4*x$   
 $+1)$  lgdogf  
A107253 7.44854  $[ -(15*x^4-44*x^3+56*x^2-4*x+1)/(x-1)^5$  ogf]  
A107255 5.97354  $[ -(31*x^5-125*x^4+160*x^3-190*x^2+5*x-1)/(x-1)^6$  ogf]  
A107255 8.20289  $-( -1-355*x-20*x^3+31*x^5-95*x^4-280*x^2)/(x-1)/$   
 $(31*x^5-125*x^4+160*x^3-190*x^2+5*x-1)$  lgdogf  
A107256 5.03929  $[ -(63*x^6-314*x^5+687*x^4-328*x^3+617*x^2-6*x+1)/(x-1)^7$  ogf]  
A107256 6.49751  $-(1+1198*x+63*x^6-250*x^5+491*x^4+1436*x^3+2101*x^2)/(x-1)/$   
 $(63*x^6-314*x^5+687*x^4-328*x^3+617*x^2-6*x+1)$  lgdogf  
A107264 39.9775  $x/(1+3*x+3*x^2)$  revogf  
A107264 4.02649  $[ \{(-3*n-6)*a(n+1)+(-6*n-21)*a(n+2)+(n+5)*a(n+3), a(0) = 1, a(1)$

= 3, a(2) = 12}, ogf]  
 A107265 15.0688  $-\frac{((1-10x+5x^2)^{1/2}-1)}{(1-10x+5x^2)^{1/2}}/x$  lgdogf  
 A107265 4.77706  $[{(5^{n+10})a(n+1)+(-10^{n-35})a(n+2)+(n+5)a(n+3)}, a(0) = 1, a(1) = 5, a(2) = 30]$ , ogf]  
 A107265 48.2202  $x/(1+5x+5x^2)$  revogf  
 A107266 15.6407  $-\frac{((1-12x+12x^2)^{1/2}-1)}{(1-12x+12x^2)^{1/2}}/x$  lgdogf  
 A107266 5.12514  $[{(-12^{n-24})a(n+1)+(12^{n+42})a(n+2)+(-n-5)a(n+3)}, a(0) = 1, a(1) = 6, a(2) = 42]$ , ogf]  
 A107266 52.1355  $x/(1+6x+6x^2)$  revogf  
 A107271 7.61527  $[-(2x^6+2x^5-4x^3-2x^2-3x-1)/(2x^9-4x^6-2x^3+1)]$  ogf]  
 A107283 23.4919  $(-5-x+x^2+x^3)/(x-1)/(x^2+x+2)$  lgdegf  
 A107285 11.2730  $-(11-40x+110x^2)/(x-1)/(11x-2)/(-1+10x)$  lgdogf  
 A107285 5.44586  $[{a(n+2)-11a(n+1)+10a(n)}, a(0) = 4010, a(1) = 22055]$ , ogf]  
 A107285 9.14606  $-1/10*(-4010-11x+(16080100+81x^2)^{1/2})/(2x+4411)$  revogf  
 A107285 9.17728  $[-2005*(11x-2)/(10x-1)/(x-1)]$  ogf]  
 A107287 7.17568  $x*(4x^{10}-8x^8+9x^7+18x^6+2-21x^5-10x^4+17x^3-4x^2-x)/(x-1)/(x+1)/(2x^5+x^2-x+1)/(x^5-x^3+x^2+x-1)$  lgdogf  
 A107287 8.30081  $[(x-1)*(x+1)*(2x^5+x^2-x+1)/(x^5-x^3+x^2+x-1)]$  ogf]  
 A107293 15.7834  $[-x^4/(x^5-x^3+x^2+x-1)]$  ogf]  
 A107293 20.3522  $-(1+2x-3x^2+5x^4)/(x^2-1+x+x^5-x^3)$  lgdogf  
 A107298 5.50024  $[(x^5-x^4-3x^3-2x^2+7x-3)/(x-1)/(x^3-x^2-2x+1)]$  ogf]  
 A107299 6.26066  $(3-4x-80x^4+50x^3+4x^8-12x^7-x^6+52x^5-13x^2)/(x-1)/(2x-1)/(2x^3-x^2-3x+1)/(x^4-2x^2-3x+3)$  lgdogf  
 A107299 7.00667  $[(2x-1)*(x^4-2x^2-3x+3)/(x-1)/(2x^3-x^2-3x+1)]$  ogf]  
 A107300 4.94533  $[{-a(n+3)+2a(n+2)+2a(n+1)-2a(n)}, a(0) = 3, a(1) = 2, a(2) = 8]$ , ogf]  
 A107300 8.58483  $-2*(1+4x+2x^4+8x^3-11x^2)/(2x^2+4x-3)/(2x^3-2x^2-2x+1)$  lgdogf  
 A107300 9.07995  $[-(2x^2+4x-3)/(2x^3-2x^2-2x+1)]$  ogf]  
 A107307 6.48992  $[(x^4-x^3-2x^2-x+1)/(6x^2+2x-1)/(x-1)^3]$  ogf]  
 A107307 7.94512  $-(4+2x+31x^2-40x^3-37x^4+6x^6)/(x-1)/(6x^2+2x-1)/(x^4-x^3-2x^2-x+1)$  lgdogf  
 A107319 4.92568  $[{(n^2+18n+80)a(n+1)+(-n^2-4n-4)a(n+2)}, a(0) = 1, a(1) = 63]$ , ogf]  
 A107328 5.20714  $[{-a(n+3)+4a(n+2)-4a(n+1)+a(n)}, a(0) = 3, a(1) = 4, a(2) = 8]$ , ogf]  
 A107328 9.05028  $-(4-16x+4x^4-16x^3+25x^2)/(x-1)/(2x-1)/(2x-3)/(1+x^2-3x)$  lgdogf  
 A107328 9.56066  $[-(2x-1)*(2x-3)/(x-1)/(x^2-3x+1)]$  ogf]  
 A107330 6.37402  $(3+x^8-6x^7+8x^6+26x^5-60x^4+34x^3-15x^2)/(x-1)/(x^3-2x^2-3x+1)/(x^5-2x^4-5x^3-3x^2+9x-3)$  lgdogf  
 A107330 7.06077  $[(x^5-2x^4-5x^3-3x^2+9x-3)/(x-1)/(x^3-2x^2-3x+1)]$  ogf]  
 A107332 10.6011  $[x*(x^2+x-1)/(x^5-x^3+x^2+x-1)]$  ogf]  
 A107332 16.1308  $-x^2*(4x^3+3x^4+3-2x-6x^2)/(x^2+x-1)/(x^5-x^3+x^2+x-1)$  lgdogf  
 A107334 12.0795  $-2*(1+6x+3x^4+8x^3-12x^2)/(3x^2+4x-3)/(2x^3-3x^2-2x+1)$  lgdogf  
 A107334 12.6964  $[-(3x^2+4x-3)/(2x^3-3x^2-2x+1)]$  ogf]  
 A107334 6.85380  $[{-a(n+3)+2a(n+2)+3a(n+1)-2a(n)}, a(0) = 3, a(1) = 2, a(2) = 10]$ , ogf]  
 A107351 12.4500  $-3*(1+3x+3x^2+3x^3+x^4+3x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
 A107351 24.4237  $[-x^5+2x^2+3x+3]$  ogf\_with\_Euler\_transform]  
 A107351 7.31130  $[-(x^2-x+1)/(x^2+x+1)/(x+1)^2/(x-1)^7]$  ogf]  
 A107358 15.2177  $-(1-2x+13x^{12})/(x-1)/(x+1)/(x^{11}+x^9+x^7+x^5+x^3+x-1)$  lgdogf  
 A107358 18.7696  $[x/(x-1)/(x+1)/(x^{11}+x^9+x^7+x^5+x^3+x-1)]$  ogf]  
 A107361 15.4959  $[1/(3x-1)/(x^2-x-1)]$  ogf]  
 A107361 18.3029  $-(2-8x+9x^2)/(-1+3x)/(x^2-x-1)$  lgdogf  
 A107361 5.67259  $[{a(n+3)-2a(n+2)-4a(n+1)+3a(n)}, a(0) = 1, a(1) = 2, a(2) = 8]$ , ogf]  
 A107363 8.96120  $[(x-1)*(x^2+1)*(x^4+2x^3-x^2+1)*(x+1)^2/(x^4+x^2-1)/(x^8-$



$x^6+2x^4+x^2+1$ ) ogf]  
A107368 11.3272 [  $x^2*(x-1)/(x^5-x^3+x^2+x-1)$  ogf]  
A107368 14.7468  $-x*(-2+4x^4-5x^3-2x^2+4x)/(x-1)/(x^5-x^3+x^2+x-1)$  lgdogf  
A107373 3.99414 [  $\{(-8^n-24)*a(n+1)+(4^n+12)*a(n+2)+(2^n+8)*a(n+3)+(-n-4)*a(n+4),$   
 $a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$ , ogf]  
A107375 9.43785  $-(1-8x+39x^4+56x^3+8x^5+6x^2)/(4x^2+5x-1)/(x^4+6x^3-6x$   
 $+1)$  lgdogf  
A107375 9.72972 [  $-x*(4x^2+5x-1)/(x^4+6x^3-6x+1)$  ogf]  
A107376 8.72484  $-(1-10x+14x^2+80x^3+53x^4+10x^5)/(5x^2+6x-1)/$   
 $(x^4+7x^3-7x+1)$  lgdogf  
A107376 9.40648 [  $-x*(5x^2+6x-1)/(x^4+7x^3-7x+1)$  ogf]  
A107377 10.3541  $-(1-6x+36x^3+27x^4+6x^5)/(3x^2+4x-1)/(x^4+5x^3-5x+1)$   
lgdogf  
A107377 9.70615 [  $-x*(3x^2+4x-1)/(x^4+5x^3-5x+1)$  ogf]  
A107378 10.0396 [  $-x*(2x^2+3x-1)/(x^4+4x^3-4x+1)$  ogf]  
A107378 9.73771  $-(1-4x+17x^4+20x^3+4x^5-4x^2)/(2x^2+3x-1)/(x^4+4x^3-4x$   
 $+1)$  lgdogf  
A107381 5.33434 [  $(x^7+3x^6-2x^3-9x^2+13x-4)/(x-1)/(x^2+x-1)/(x^2+2x-1)$   
ogf]  
A107382 10.0467 [  $4*(x^3-3x+1)/(x^4+4x^3-4x+1)$  ogf]  
A107382 10.5204  $-(1+9x^2-12x^3-9x^4+x^6)/(x^3-3x+1)/(x^4+4x^3-4x+1)$   
lgdogf  
A107383 13.5903 [  $-x*(x+1)/(2x^3+2x^2-1)$  ogf]  
A107383 16.8937  $-(1+4x+4x^3+8x^2)/(x+1)/(2x^3+2x^2-1)$  lgdogf  
A107383 7.74503 [  $\{-a(n+3)+2a(n+1)+2a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
A107384 10.7381  $-(1+2x+2x^2-12x^3+12x^5)/(-1+x)/(2x^2-1)/(3x^3+3x^2-1)$   
lgdogf  
A107384 11.6741 [  $-x*(2x^2-1)/(x-1)/(3x^3+3x^2-1)$  ogf]  
A107385 11.3322  $-(1+2x+3x^2-16x^3+24x^5)/(x-1)/(3x^2-1)/(4x^3+4x^2-1)$   
lgdogf  
A107385 12.1093 [  $-x*(3x^2-1)/(x-1)/(4x^3+4x^2-1)$  ogf]  
A107386 10.2978  $(1+2x+2x^6-4x^5+16x^3-2x^4-3x^2)/(x-1)/(x+1)/$   
 $(2x^5-4x^4+x-1)$  lgdogf  
A107386 9.75326 [  $x*(2x^5-4x^4+x-1)/(x+1)/(x-1)^3$  ogf]  
A107387 11.7302 [  $x*(x^2+2x-1)/(x-1)/(x+1)/(x^2-3x+1)$  ogf]  
A107387 7.37319  $(1-2x-6x^2+40x^3-67x^4+22x^5+18x^6-12x^7+2x^8)/(x-1)/(x$   
 $+1)/(x^2-3x+1)/(2x^5-6x^4+x^2+2x-1)$  lgdogf  
A107388 11.3807 [  $-x*(2x-1)*(3x-1)/(x-1)/(x+1)/(x^2-4x+1)$  ogf]  
A107388 6.98175  $(1-4x-4x^2+60x^3-107x^4+28x^5+32x^6-16x^7+2x^8)/(x-1)/(x$   
 $+1)/(x^2-4x+1)/(2x^5-8x^4+2x^2+3x-1)$  lgdogf  
A107389 11.9157 [  $-x*(7x^2-6x+1)/(x-1)/(x+1)/(x^2-5x+1)$  ogf]  
A107389 7.67931  $(1-6x+84x^3-157x^4+34x^5+50x^6-20x^7+2x^8)/(x-1)/(x+1)/$   
 $(2x^5-10x^4+3x^2+4x-1)/(x^2-5x+1)$  lgdogf  
A107391 10.5513  $1/64*(-3+6x+(9-20x+100x^2)^{1/2})/(1+4x)$  revogf  
A107391 5.15872 [  $\{a(n+2)+48a(n+1)-1024a(n), a(0) = 24, a(1) = -896\}$ , ogf]  
A107391 8.82935 [  $-8*(32x+3)/(64x+1)/(16x-1)$  ogf]  
A107391 9.28512  $-16*(-7+384x+2048x^2)/(32x+3)/(64x+1)/(16x-1)$  lgdogf  
A107392 10.2248 [  $(12x^2-18x+7)/(x-1)/(2x-1)^3$  ogf]  
A107394 9.97789  $-5/(-1+x)$  lgdogf  
A107395 5.39989  $-7*(5+10x+3x^2)/(-1+x)/(3x^2+8x+3)$  lgdogf  
A107401 8.18929 [  $-x*(3x^3+x^2-2x-1)/(x+1)/(x^4-4x^2+1)$  ogf]  
A107401 8.65278  $-(1+6x+6x^6-6x^5+10x^2+6x^3-3x^4+6x^7)/(x+1)/$   
 $(3x^3+x^2-2x-1)/(x^4-4x^2+1)$  lgdogf  
A107402 7.67136 [  $-x*(5x^3+2x^2-2x-1)/(x+1)/(x^4-5x^2+1)$  ogf]  
A107402 7.81806  $-(1+6x+10x^7+8x^2+6x^3+4x^4-4x^5+11x^6)/(x+1)/$   
 $(5x^3+2x^2-2x-1)/(x^4-5x^2+1)$  lgdogf  
A107413 8.03201 [  $x*(5x^3+5x^2+6x-1)/(x^5-6x^3+7x-1)$  ogf]  
A107417 16.2445  $-6*(3+15x+10x^2)/(x-1)/(10x^2+10x+1)$  lgdogf  
A107417 3.52717 [  $\{(n+4)*a(n+4)+(9+9^n)*a(n+3)-90a(n+2)+(-70-10^n)*a(n+1),$   
 $a(0) = 1, a(1) = 18, a(2) = 126, a(3) = 560\}$ , ogf]  
A107417 6.13989 [  $(10x^2+10x+1)/(x-1)^8$  ogf]

A107418 11.7823  $-28*(1+9*x+15*x^2+5*x^3)/(x-1)/(20*x^3+45*x^2+18*x+1)$  lgdogf  
A107418 4.45691  $[(20*x^3+45*x^2+18*x+1)/(x-1)^{10}]$  ogf]  
A107418 5.18161  $[{(n^2+13*n+40)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 28},$  ogf]  
A107419 10.6121  $-40*(1+14*x+42*x^2+35*x^3+7*x^4)/(x-1)/$   
 $(35*x^4+140*x^3+126*x^2+28*x+1)$  lgdogf  
A107419 4.29477  $[(35*x^4+140*x^3+126*x^2+28*x+1)/(x-1)^{12}]$  ogf]  
A107419 6.14536  $[{(n^2+15*n+54)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 40},$  ogf]  
A107420 5.86518  $[{(n^2+17*n+70)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 54},$  ogf]  
A107420 7.96298  $-18*(3+60*x+210*x^4+420*x^3+28*x^5+280*x^2)/(x-1)/$   
 $(56*x^5+350*x^4+560*x^3+280*x^2+40*x+1)$  lgdogf  
A107421 5.91410  $[{(n^2+19*n+88)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 70},$  ogf]  
A107421 6.68123  $-70*(1+27*x+180*x^2+420*x^3+378*x^4+126*x^5+12*x^6)/(x-1)/$   
 $(84*x^6+756*x^5+1890*x^4+1680*x^3+540*x^2+54*x+1)$  lgdogf  
A107443 12.3560  $[-(3*x^2+1)/(x-1)/(2*x^2-x+1)/(2*x^2+x+1)]$  ogf]  
A107443 12.4573  $-(1-24*x^5+36*x^6+6*x^2-16*x^3+29*x^4)/(x-1)/(3*x^2+1)/(2*x^2-x+1)/(2*x^2+x+1)$  lgdogf  
A107451 4.07123  $[(10*x^{10}-44*x^9-86*x^8+246*x^7+198*x^6+58*x^5+18*x^4+24*x^3-6*x+1)/(x^6-5*x^5-6*x^4+30*x^3+5*x^2-7*x+1)]$  ogf]  
A107453 13.1443  $-(1+2*x+3*x^2+8*x^3+3*x^4+2*x^5+x^6)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A107453 15.2507  $[-(x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+1)]$  ogf]  
A107453 29.9774  $[[-x^4+x^3+1]]$  ogf\_with\_Euler\_transform]  
A107454 6.01094  $x*(-2-3*x^5-6*x^4-4*x^2-10*x^8-x^7-8*x^6-10*x^3+3*x^{11}+5*x^{13}+x^9)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A107454 9.47053  $[-(x^4-x^3+x^2-x+1)*(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)/(x^4+x^3+x^2+x+1)]$  ogf]  
A107455 7.17381  $[-(x^{16}+x^{13}+x^{10}+x^8+x^6+x^5+x^4+x^3+x^2+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)]$  ogf]  
A107458 12.5779  $[(x^3+x^2-1)/(x+1)/(x^3+x-1)]$  ogf]  
A107458 18.8669  $-x^3*(x^3+2*x^2-4)/(x+1)/(x^3+x^2-1)/(x^3+x-1)$  lgdogf  
A107459 4.01096  $[-(x^{11}+x^8+x^6+x^5+2*x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)]$  ogf]  
A107464 10.4469  $[(16*x^2-26*x+11)/(x-1)/(2*x-1)^3]$  ogf]  
A107467 5.34316  $[-x*(7*x^5+4*x^4+x^3+2*x^2+2*x-1)/(x^7+x^6-2*x^5-x^4+3*x^3-x^2-3*x+1)]$  ogf]  
A107475 6.12219  $[-(6*x^4-5*x^3+6*x^2+4*x-1)/(x^3-5*x^2+6*x-1)/(x^3+2*x^2-x-1)]$  ogf]  
A107476 3.67050  $[-x*(3*x^4-11*x^3+8*x^2+5*x-1)/(x^6-4*x^5-6*x^4+24*x^3-4*x^2-6*x+1)]$  ogf]  
A107477 3.75870  $[(10*x^{10}-44*x^9-96*x^8+290*x^7+124*x^6+16*x^5+2*x^4+19*x^3-10*x^2-6*x+1)/(x^6-5*x^5-7*x^4+35*x^3-5*x^2-7*x+1)]$  ogf]  
A107479 5.86217  $-(1+4*x+10*x^3+6*x^9+8*x^8+10*x^7+12*x^6+10*x^5+13*x^4+2*x^{11}+4*x^{10}+7*x^2)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^7+x^6+x^5+x^4+x^3+x^2-1)$  lgdogf  
A107479 6.55801  $[-x*(x+1)*(x^2+x+1)*(x^2-x+1)/(x^7+x^6+x^5+x^4+x^3+x^2-1)]$  ogf]  
A107480 8.15460  $-(-1-2*x+2*x^{11}-6*x^8-2*x^7-2*x^2-4*x^3-x^4-6*x^5-10*x^6)/(x^2+1)/(x^5+x^2+x-1)/(x^5-x^2-1)$  lgdogf  
A107480 9.81473  $[x*(x^5-x^2-1)/(x^2+1)/(x^5+x^2+x-1)]$  ogf]  
A107483 3.85751  $[2*(50*x^6-100*x^5+90*x^4+20*x^3+41*x^2+9*x+1)/(x-1)/(x^2+1)/(1000*x^4-1)]$  ogf]  
A107583 3.67537  $[{a(n+3)-5*a(n+2)+7*a(n+1)-3*a(n), a(0) = 1, a(1) = 0, a(2) = 3},$  ogf]  
A107583 6.58010  $[-(10*x^2-5*x+1)/(3*x-1)/(x-1)^2]$  ogf]  
A107583 8.67026  $-6*x*(-1+5*x^2)/(-1+x)/(-1+3*x)/(10*x^2-5*x+1)$  lgdogf

A107584 12.5069 [  $-(17x^2-6x+1)/(4x-1)/(x-1)^2$  ogf]  
A107584 15.6256  $-4x^*( -4+5x+17x^2)/(x-1)/(4x-1)/(17x^2-6x+1)$  lgdogf  
A107584 6.98584 [  $\{a(n+3)-6a(n+2)+9a(n+1)-4a(n), a(0) = 1, a(1) = 0, a(2) = 8\}$ , ogf]  
A107585 13.8599 [  $-(26x^2-7x+1)/(5x-1)/(x-1)^2$  ogf]  
A107585 17.2679  $-10x^*( -3+13x^2+6x)/(x-1)/(5x-1)/(26x^2-7x+1)$  lgdogf  
A107585 7.72718 [  $\{a(n+3)-7a(n+2)+11a(n+1)-5a(n), a(0) = 1, a(1) = 0, a(2) = 15\}$ , ogf]  
A107600 5.74208 [  $(x^5-5x^4+7x^3+4x^2-11x-1)/(x-1)^7$  ogf]  
A107600 9.28105  $-(-18-58x+41x^2+8x^3-10x^4+2x^5)/(x-1)/(x^5-5x^4+7x^3+4x^2-11x-1)$  lgdogf  
A107601 5.24083 [  $(x^6-6x^5+11x^4-22x^2+15x+7)/(x-1)^8$  ogf]  
A107601 8.13764  $-(71+61x+2x^6-12x^5+14x^4+44x^3-132x^2)/(x-1)/(x^6-6x^5+11x^4-22x^2+15x+7)$  lgdogf  
A107635 16.2522 [  $-(-3x^2+3x-3)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A107659 12.6422 [  $(2x+1)/(2x-1)/(2x^2-1)$  ogf]  
A107659 13.6757  $-4*(-1-x+2x^2+4x^3)/(2x+1)/(-1+2x)/(2x^2-1)$  lgdogf  
A107659 5.92952 [  $\{a(n+3)-2a(n+2)-2a(n+1)+4a(n), a(0) = 1, a(1) = 4, a(2) = 10\}$ , ogf]  
A107660 11.8431 [  $(3x+1)/(3x-1)/(3x^2-1)$  ogf]  
A107660 12.8085  $-6*(-1-x+3x^2+9x^3)/(-1+3x)/(3x+1)/(3x^2-1)$  lgdogf  
A107660 5.55471 [  $\{a(n+3)-3a(n+2)-3a(n+1)+9a(n), a(0) = 1, a(1) = 6, a(2) = 21\}$ , ogf]  
A107663 7.64843  $-(9-4x-20x^4-16x^3+64x^6+48x^5-16x^2)/(2x-1)/(x+1)/(2x^2-1)/(16x^3+6x^2-8x-1)$  lgdogf  
A107663 8.80510 [  $-(16x^3+6x^2-8x-1)/(x+1)/(2x-1)/(2x^2-1)$  ogf]  
A107680 12.5709 [  $-(81x^{30}+27x^{14}+9x^6+3x^2+1)/(x-1)$  ogf]  
A107684 6.11137  $(-2-10x-58x^3-85x^4-88x^5-60x^6-20x^7+8x^8+8x^9+4x^{10}-30x^2)/(2x^3-1)/(2x^6+4x^5+6x^4+7x^3+6x^2+3x+1)/(x^2+x+1)$  lgdogf  
A107684 7.02594 [  $-x*(2x^6+4x^5+6x^4+7x^3+6x^2+3x+1)/(2x^3-1)/(x^2+x+1)$  ogf]  
A107708 14.7997  $1/2/(x+1)*(-x+1+(1-6x-3x^2)^{1/2})*x$  revogf  
A107731 11.2774  $-(21+156x+36x^3+x^4+186x^2)/(x-1)/(x^4+16x^3+46x^2+16x+1)$  lgdogf  
A107731 7.39122 [  $-(x^4+16x^3+46x^2+16x+1)/(x-1)^5$  ogf]  
A107732 10.3727 [  $-(8x^5-10x^3-2x^2+2x+1)/(x-1)/(2x+1)/(2x-1)/(x+1)/(2x^2-1)$  ogf]  
A107733 8.54883 [  $-(64x^7-96x^5+40x^3+4x^2-3x-1)/(x-1)/(2x+1)/(2x-1)/(x+1)/(4x^2-2x-1)/(4x^2+2x-1)$  ogf]  
A107750 12.2442 [  $x*(x+1)*(x^4-x^3+x^2+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A107751 13.8954  $(-1-2x+2x^7-6x^4-2x^3-3x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^4-x^3+x^2+1)$  lgdogf  
A107751 17.3911 [  $-(x+1)*(x^4-x^3+x^2+1)/(x-1)/(x^2+x+1)$  ogf]  
A107751 8.26078 [  $\{a(n+4)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 1, a(5) = 2\}$ , ogf]  
A107760 15.9236 [  $-(2x^2-3x+3)/(-x^3-1)$  ogf\_with\_Euler\_transform]  
A107767 14.3963  $-4*(1-9x^2+9x^3)/(x-1)/(-1+3x)/(3x^2-1)$  lgdogf  
A107767 14.9717 [  $-x/(3x-1)/(x-1)/(3x^2-1)$  ogf]  
A107769 9.56116 [  $-x*(x^2-x+1)/(x-1)/(x^2+2x-1)/(x^4+2x^2-1)$  ogf]  
A107820 14.8146 [  $-(2x^3-x^2+x-3)/(x-1)^2$  ogf]  
A107820 22.7343  $(5+x+2x^3-6x^2)/(x-1)/(2x^3-x^2+x-3)$  lgdogf  
A107820 7.92709 [  $\{a(n+4)-2a(n+3)+a(n+2), a(0) = 3, a(1) = 5, a(2) = 8, a(3) = 9\}$ , ogf]  
A107837 5.28784 [  $-(702x^{17}-702x^{16}+701x^{12}-701x^{11}+61x^7-61x^6-20x^5+72x^2-72x-20)/(x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A107839 16.9486  $-1/4*(-1-5x+(1+10x+17x^2)^{1/2})*x$  revogf  
A107839 19.3830 [  $1/(2x^2-5x+1)$  ogf]  
A107839 27.2651  $-(-5+4x)/(2x^2+1-5x)$  lgdogf  
A107839 7.80049 [  $\{-a(n+2)+5a(n+1)-2a(n), a(0) = 1, a(1) = 5\}$ , ogf]

A107840 6.40995  $(1-4*x-64*x^4+40*x^3+2*x^8-12*x^7+18*x^6+20*x^5-3*x^2)/(x-1)/(x+1)/(x^2-3*x+1)/(2*x^5-6*x^4+2*x^2+2*x-1)$  lgdogf  
A107840 8.79012  $[(2*x^5-6*x^4+2*x^2+2*x-1)/(x-1)/(x+1)/(x^2-3*x+1)$  ogf]  
A107841 15.3639  $-1/2*(x-1+(1-10*x+x^2)^(1/2))/(1-10*x+x^2)^(1/2)/x$  lgdogf  
A107841 3.68272  $[ \{ (-n^2-n)*a(n)+(11*n^2+29*n+18)*a(n+1)+(-11*n^2-59*n-78)*a(n+2)+(n^2+7*n+12)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 10 \},$  ogf]  
A107841 48.0122  $x*(-1+3*x)/(x-1)$  revogf  
A107843 16.6100  $[-(203*x-201)/(x-1)^2]$  ogf]  
A107843 19.4674  $-1/2*(-201-2*x+(40401-8*x)^(1/2))/(203+x)$  revogf  
A107843 25.7471  $-(-199+203*x)/(203*x-201)/(x-1)$  lgdogf  
A107843 9.46383  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 201, a(1) = 199 \},$  ogf]  
A107849 10.8496  $-2*(1+x-x^4-x^3+5*x^7+9*x^6+3*x^5+3*x^2)/(1+x)/(2*x^3+x^2-1)/(x^4+1)$  lgdogf  
A107849 9.29052  $[-(x+1)^2/(2*x^3+x^2-1)/(x^4+1)$  ogf]  
A107850 8.10403  $[-(x^2+x+1)*(2*x^2+2*x+1)*(x-1)^2/(2*x^3+x^2-1)/(x^4+1)$  ogf]  
A107851 7.11478  $-(-1-8*x-8*x^9-31*x^8-32*x^7-24*x^6+8*x^4+8*x^11+2*x^10-10*x^2)/(2*x^3+x^2-1)/(2*x^5-x^3-3*x^2-x-1)/(x^4+1)$  lgdogf  
A107851 7.64775  $[ x*(2*x^5-x^3-3*x^2-x-1)/(2*x^3+x^2-1)/(x^4+1)$  ogf]  
A107852 7.41429  $[-x*(x+1)^2*(x^2+1)/(2*x^3+x^2-1)/(x^4+1)$  ogf]  
A107852 8.38382  $-2*(1+2*x-x^4-x^3+3*x^9+6*x^8+7*x^7+9*x^6+x^5+5*x^2)/(1+x)/(x^2+1)/(2*x^3+x^2-1)/(x^4+1)$  lgdogf  
A107853 8.19876  $[ x*(x-1)*(x+1)^3/(2*x^3+x^2-1)/(x^4+1)$  ogf]  
A107853 8.83849  $-2*(-1+x-2*x^4+3*x^3+3*x^8+3*x^7-6*x^6-3*x^5-2*x^2)/(x-1)/(1+x)/(2*x^3+x^2-1)/(x^4+1)$  lgdogf  
A107854 8.39971  $[ x*(x^2+1)*(x^3-x-1)/(2*x^3+x^2-1)/(x^4+1)$  ogf]  
A107855 6.55584  $[ (2*x^10+8*x^8+5*x^6+3*x^5+5*x^4+2*x^3+x^2-x-1)/(x^2+1)/(x^4+3*x^2-1)$  ogf]  
A107856 6.82575  $[(x^2+x+1)*(2*x^6+2*x^2-1)/(x^2+1)/(x^4+3*x^2-1)$  ogf]  
A107857 8.01447  $[-(x^4-x^3+3*x^2-1)/(x-1)/(x^4+4*x^2-1)$  ogf]  
A107857 8.13142  $-(1+2*x+6*x^4-2*x^3+x^8-2*x^7+6*x^6+2*x^5-6*x^2)/(x-1)/(x^4-x^3+3*x^2-1)/(x^4+4*x^2-1)$  lgdogf  
A107858 8.01447  $[-(x^4-x^3+3*x^2-1)/(x-1)/(x^4+4*x^2-1)$  ogf]  
A107858 8.13142  $-(1+2*x+6*x^4-2*x^3+x^8-2*x^7+6*x^6+2*x^5-6*x^2)/(x-1)/(x^4-x^3+3*x^2-1)/(x^4+4*x^2-1)$  lgdogf  
A107891 10.0903  $-(19+120*x+5*x^4+64*x^3+170*x^2)/(x-1)/(x^4+10*x^3+20*x^2+10*x+1)$  lgdogf  
A107891 3.67613  $[ \{ (-n^2-11*n-30)*a(n+1)+(2*n^2+18*n+66)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 19, a(2) = 155 \},$  ogf]  
A107891 4.91953  $[-(x^4+10*x^3+20*x^2+10*x+1)/(x-1)^9]$  ogf]  
A107895 22.0119  $[-1/(-x^2+2*x-1)$  egf\_with\_Euler\_transform]  
A107903 13.3809  $[(2*x+1)/(4*x^2-8*x+1)]$  ogf]  
A107903 13.4127  $-1/4*(-1-8*x+(1+24*x+48*x^2)^(1/2))/(-1+2*x)$  revogf  
A107903 15.1323  $-2*(-5+4*x+4*x^2)/(2*x+1)/(4*x^2-8*x+1)$  lgdogf  
A107903 7.25472  $[ \{-a(n+2)+8*a(n+1)-4*a(n), a(0) = 1, a(1) = 10 \},$  ogf]  
A107904 14.5282  $[-(6*x+1)/(12*x^2-1)]$  ogf]  
A107904 15.3198  $1/12*(-1+(1+24*x+48*x^2)^(1/2))/(1+2*x)$  revogf  
A107904 16.5965  $-6*(1+4*x+12*x^2)/(6*x+1)/(12*x^2-1)$  lgdogf  
A107904 9.38748  $[ \{ a(n+2)-12*a(n), a(0) = 1, a(1) = 6 \},$  ogf]  
A107906 12.9509  $-1/4*\ln(3)+1/4*\ln(2+4*x+(1+16*x^2+16*x)^(1/2))$  revegf  
A107906 14.1844  $-8*(1+4*x+16*x^2)/(4*x+1)/(8*x+1)/(-1+4*x)$  lgdogf  
A107906 14.4830  $[-(8*x+1)/(4*x-1)/(4*x+1)]$  ogf]  
A107906 9.35823  $[ \{ a(n+2)-16*a(n), a(0) = 1, a(1) = 8 \},$  ogf]  
A107908 12.7408  $-2*(8+38*x+5*x^3+33*x^2)/(x-1)/(2*x^3+10*x^2+8*x+1)$  lgdogf  
A107908 3.62354  $[ \{ (-7*n^2-77*n-210)*a(n+1)+(8*n^2+42*n+84)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 16, a(2) = 110 \},$  ogf]  
A107908 5.76616  $[(2*x^3+10*x^2+8*x+1)/(x-1)^8]$  ogf]  
A107915 7.51072  $-7*(5+70*x+161*x^4+336*x^3+x^6+26*x^5+259*x^2)/(x-1)/(x^6+22*x^5+113*x^4+190*x^3+113*x^2+22*x+1)$  lgdogf  
A107926 4.52937  $[-(2*x^5+28*x^4+85*x^3+75*x^2+19*x+1)/(x-1)^11]$  ogf]  
A107916 8.95693  $-2*(15+170*x+103*x^4+396*x^3+6*x^5+465*x^2)/(x-1)/(2*x^5+28*x^4+85*x^3+75*x^2+19*x+1)$  lgdogf

A107917 3.70311 [  $\{(n^3+16n^2+81n+126)*a(n+1)+(20n^2+200n+660)*a(n+2)+(-n^3-14n^2-61n-84)*a(n+3), a(0) = 1, a(1) = 34, a(2) = 455\}$ , ogf]
  
A107917 3.91308 [  $(x^6+22x^5+113x^4+190x^3+113x^2+22x+1)/(x-1)^{12}$  ogf]
  
A107917 7.38718  $-2*(17+234*x+1081*x^3+3*x^6+80*x^5+507*x^4+850*x^2)/(x-1)/(x^6+22*x^5+113*x^4+190*x^3+113*x^2+22*x+1)$  lgdogf
  
A107920 23.9000 [  $x/(2*x^2-x+1)$  ogf]
  
A107920 41.2035  $-(-1+4*x)/(2*x^2+1-x)$  lgdogf
  
A107920 9.73704 [  $\{a(n+2)-a(n+1)+2*a(n), a(0) = 0, a(1) = 1\}$ , ogf]
  
A107928 5.76059 [  $\{-a(n+5)+8*a(n+2), a(0) = 2, a(1) = 3, a(2) = 12, a(3) = 24, a(4) = 16\}$ , ogf]
  
A107928 9.68827 [  $(8*x^4-8*x^3-12*x^2-3*x-2)/(2*x-1)/(4*x^2+2*x+1)$  ogf]
  
A107941 4.52220 [  $-(3*x^5+38*x^4+105*x^3+85*x^2+20*x+1)/(x-1)^{11}$  ogf]
  
A107941 8.89110  $-(31+370*x+281*x^4+992*x^3+18*x^5+1080*x^2)/(x-1)/(3*x^5+38*x^4+105*x^3+85*x^2+20*x+1)$  lgdogf
  
A107942 4.08396 [  $(x+1)*(x^4+17*x^3+48*x^2+17*x+1)/(x-1)^{10}$  ogf]
  
A107942 8.00696  $-(28+292*x+113*x^4+527*x^3+5*x^5+715*x^2)/(x-1)/(1+x)/(x^4+17*x^3+48*x^2+17*x+1)$  lgdogf
  
A107943 3.39010 [  $\{(-21n^2-273n-882)*a(n+1)+(22n^2+100n+162)*a(n+2)+(-n^2-7n-12)*a(n+3), a(0) = 1, a(1) = 25, a(2) = 245\}$ , ogf]
  
A107943 4.22078 [  $(3*x^4+25*x^3+40*x^2+15*x+1)/(x-1)^{10}$  ogf]
  
A107943 9.05018  $-(25+215*x+395*x^2+187*x^3+18*x^4)/(x-1)/(3*x^4+25*x^3+40*x^2+15*x+1)$  lgdogf
  
A107953 7.85374 [  $(48*x^3-120*x^2+104*x-31)/(x-1)/(2*x-1)^4$  ogf]
  
A107954 5.06515 [  $(128*x^4-432*x^3+568*x^2-342*x+79)/(x-1)/(2*x-1)^5$  ogf]
  
A107954 6.02437  $-(527+2548*x-4964*x^2+4896*x^3-2464*x^4+512*x^5)/(x-1)/(2*x-1)/(128*x^4-432*x^3+568*x^2-342*x+79)$  lgdogf
  
A107955 4.18622 [  $(320*x^5-1360*x^4+2400*x^3-2180*x^2+1012*x-191)/(x-1)/(2*x-1)^6$  ogf]
  
A107956 5.06493 [  $-(2*x^4+19*x^3+34*x^2+14*x+1)/(x-1)^9$  ogf]
  
A107956 9.79199  $-(23+180*x+122*x^3+10*x^4+295*x^2)/(x-1)/(2*x^4+19*x^3+34*x^2+14*x+1)$  lgdogf
  
A107959 10.2932  $-(22+160*x+5*x^4+82*x^3+235*x^2)/(x-1)/(x^4+13*x^3+28*x^2+13*x+1)$  lgdogf
  
A107959 5.01646 [  $-(x^4+13*x^3+28*x^2+13*x+1)/(x-1)^9$  ogf]
  
A107962 12.2181  $-(19+113*x+25*x^3+123*x^2)/(x-1)/(5*x^3+18*x^2+11*x+1)$  lgdogf
  
A107962 5.80262 [  $(5*x^3+18*x^2+11*x+1)/(x-1)^8$  ogf]
  
A107963 18.7477  $-(13+42*x+15*x^2)/(x-1)/(3*x^2+6*x+1)$  lgdogf
  
A107963 3.50199 [  $\{(n+4)*a(n+4)+(2+5*n)*a(n+3)+(-48-3*n)*a(n+2)+(-18-3*n)*a(n+1), a(0) = 1, a(1) = 13, a(2) = 73, a(3) = 273\}$ , ogf]
  
A107963 7.29280 [  $-(3*x^2+6*x+1)/(x-1)^7$  ogf]
  
A107965 4.05927 [  $-(x^6+22*x^5+113*x^4+190*x^3+113*x^2+22*x+1)/(x-1)^{11}$  ogf]
  
A107965 7.22589  $-(33+446*x+901*x^4+1972*x^3+5*x^6+138*x^5+1587*x^2)/(x-1)/(x^6+22*x^5+113*x^4+190*x^3+113*x^2+22*x+1)$  lgdogf
  
A107966 4.08396 [  $(2*x^5+28*x^4+85*x^3+75*x^2+19*x+1)/(x-1)^{10}$  ogf]
  
A107966 7.62568  $-(29+321*x+178*x^4+707*x^3+10*x^5+855*x^2)/(x-1)/(2*x^5+28*x^4+85*x^3+75*x^2+19*x+1)$  lgdogf
  
A107967 4.07858 [  $(3*x^5+38*x^4+105*x^3+85*x^2+20*x+1)/(x-1)^{10}$  ogf]
  
A107967 7.57384  $-(30+350*x+243*x^4+887*x^3+15*x^5+995*x^2)/(x-1)/(3*x^5+38*x^4+105*x^3+85*x^2+20*x+1)$  lgdogf
  
A107968 5.11340 [  $-(3*x^4+25*x^3+40*x^2+15*x+1)/(x-1)^9$  ogf]
  
A107968 9.88752  $-(24+200*x+15*x^4+162*x^3+355*x^2)/(x-1)/(3*x^4+25*x^3+40*x^2+15*x+1)$  lgdogf
  
A107969 10.2537  $-(8*x^2+7*x+1)*(x^2+12*x+22)/(x-1)/(2*x^4+19*x^3+34*x^2+14*x+1)$  lgdogf
  
A107969 5.27334 [  $(2*x^4+19*x^3+34*x^2+14*x+1)/(x-1)^8$  ogf]
  
A107970 10.4067  $-(21+147*x+4*x^4+69*x^3+207*x^2)/(x-1)/(x^4+13*x^3+28*x^2+13*x+1)$  lgdogf
  
A107970 5.51812 [  $(x^4+13*x^3+28*x^2+13*x+1)/(x-1)^8$  ogf]
  
A107971 13.1009  $-(18+102*x+20*x^3+105*x^2)/(x-1)/(5*x^3+18*x^2+11*x+1)$  lgdogf
  
A107971 3.43359 [  $\{(-2279n^2-18909n-37570)*a(n+1)+(4383n^2+31133n+94306)*a(n+2)+(-2104n^2-13274n-20886)*a(n+3), a(0) = 1, a(1) = 18, a(2) = 123\}$ , ogf]

A107971 6.73882 [  $-(5*x^3+18*x^2+11*x+1)/(x-1)^7$  ogf]  
A107973 4.11354 [  $-(421*x^2-880*x+461)/(x-1)^3$  ogf]  
A107975 5.60903  $-(503-918*x+421*x^2)/(-1+x)/(421*x^2-880*x+461)$  lgdogf  
A107979 13.1884 [  $-(x+2)/(2*x^2+4*x-1)$  ogf]  
A107979 14.5279  $(-2*x-1+((1+2*x)*(1+3*x))^(1/2))/(1+2*x)$  revogf  
A107979 17.0916  $-(9+8*x+2*x^2)/(x+2)/(2*x^2+4*x-1)$  lgdogf  
A107979 7.23756 [  $\{a(n+2)-4*a(n+1)-2*a(n), a(0) = 2, a(1) = 9\}$ , ogf]  
A108012 7.54840  $-(9+68*x+84*x^4-32*x^3+16*x^5-128*x^2)/(2*x^2+4*x-1)/(2*x^2-4*x+1)/(2*x^2+7*x-2)$  lgdogf  
A108012 9.26607 [  $2*x*(2*x^2+7*x-2)/(2*x^2+4*x-1)/(2*x^2-4*x+1)$  ogf]  
A108014 12.9549 [  $x*(x-2)/(x^2-x+1)/(x^2+x-1)$  ogf]  
A108014 14.2651  $-(3+4*x+3*x^4-8*x^3-x^2)/(x-2)/(x^2-x+1)/(x^2+x-1)$  lgdogf  
A108019 15.1323  $-1/16*(-4-9*x+(16+72*x+49*x^2)^(1/2))/x$  revogf  
A108019 16.1931 [  $4*x/(8*x-1)/(x-1)$  ogf]  
A108019 24.5900  $(-9+16*x)/(8*x-1)/(x-1)$  lgdogf  
A108019 7.39686 [  $\{a(n+2)-9*a(n+1)+8*a(n), a(0) = 0, a(1) = 4\}$ , ogf]  
A108020 17.2986 [  $12*x/(16*x-1)/(x-1)$  ogf]  
A108020 20.3773  $(-17+32*x)/(16*x-1)/(x-1)$  lgdogf  
A108020 8.23742 [  $\{a(n+2)-17*a(n+1)+16*a(n), a(0) = 0, a(1) = 12\}$ , ogf]  
A108020 9.46090  $-1/32*(-17*x-12+(25*x+12)^(1/2)*(4+3*x)^(1/2)*3^(1/2))/x$  revogf  
A108033 4.09301 [  $\{(20*n^2+120*n+160)*a(n+1)+(3*n^2+7*n+64)*a(n+2)+(-6-3*n)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 40\}$ , ogf]  
A108033 9.26312 [  $-2*x*(5*x+1)/(x-1)^5$  egf]  
A108034 13.3813  $-(83+332*x+116*x^2+36*x^3)/(x-1)/(6*x^3+14*x^2+38*x+5)$  lgdegf  
A108051 12.6060 [  $-x*(2*x+1)/(4*x^2+4*x-1)$  ogf]  
A108051 14.4830  $1/4*(-1-4*x+(1+16*x+32*x^2)^(1/2))/(1+2*x)$  revogf  
A108051 16.0075  $-2*(3+4*x+4*x^2)/(2*x+1)/(4*x^2+4*x-1)$  lgdogf  
A108051 6.11576 [  $\{a(n+3)-4*a(n+2)-4*a(n+1), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A108057 7.59894 [  $(x-1)*(x^2+1)*(x^7-x^6+x^4+x^3-2*x^2-x-1)/(x^2-x+1)/(x^6-x^3+1)/(x+1)^2$  ogf]  
A108068 10.5726  $(4+3*x^2+20*x^4+22*x^10+92*x^22+35*x^34+94*x^46)/(4+4*x+x^3+4*x^5+2*x^11+4*x^23+x^35+2*x^47)$  lgdogf  
A108069 10.5726  $(2+3*x^2+10*x^4+22*x^10+46*x^22+35*x^34+94*x^46)/(1+2*x+x^3+2*x^5+2*x^11+2*x^23+x^35+2*x^47)$  lgdogf  
A108095 41.4393  $(7+x)/(x^2+1+14*x)$  lgdogf  
A108095 5.01821 [  $\{(n+3)*a(n+3)+(21+14*n)*a(n+2)+n*a(n+1), a(0) = 1, a(1) = 7, a(2) = -24\}$ , ogf]  
A108099 10.0754  $1/3*(2*HeunG(4/9,1/4,-1/6,1/6,1/2,-1,-3/2*x))*(27*x+8)^(1/2)*2^(1/2)-8+3*x)/(4+x)$  revogf  
A108099 13.4618 [  $-4*(x+1)^2/(x-1)^3$  ogf]  
A108099 38.8657 [  $[5-2*x]$  ogf\_with\_Euler\_transform]  
A108099 44.7796  $-(5+x)/(x-1)/(x+1)$  lgdogf  
A108099 7.20324 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 4, a(1) = 20, a(2) = 52\}$ , ogf]  
A108100 13.5075 [  $-2*(5*x^2+2*x+1)/(x-1)^3$  ogf]  
A108100 23.4925  $-(5+14*x+5*x^2)/(x-1)/(5*x^2+2*x+1)$  lgdogf  
A108100 7.34618 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 10, a(2) = 34\}$ , ogf]  
A108104 15.9146  $-(1+2*x+5*x^6+6*x^5+x^2)/(x+1)/(x^6+x^2-1)$  lgdogf  
A108104 16.6764 [  $-(x+1)/(x^6+x^2-1)$  ogf]  
A108105 7.41573  $-(1+2*x+2*x^8+6*x^6+8*x^5+4*x^7+10*x^4+4*x^3+3*x^2)/(x^4+x^3+x^2+x+1)/(2*x^5-1)$  lgdogf  
A108105 9.25492 [  $-(x^4+x^3+x^2+x+1)/(2*x^5-1)$  ogf]  
A108118 11.0172 [  $(x^2+1)^2/(x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A108118 15.0972  $-(2+4*x+x^4+5*x^3+x^5-5*x^2)/(x-1)/(1+x)/(x^2+1)/(x^2-x+1)$  lgdogf  
A108118 21.6865 [  $x^5-2*x^3-x^2+2*x+2$  ogf\_with\_Euler\_transform]  
A108120 5.21605 [  $(2*x^15+x^14+x^13+x^12+x^11+2*x^10+x^9+x^8+x^7+x^6+2*x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A108122 13.9817 [  $(2*x^2-1)/(x^3+2*x^2+x-1)$  ogf]

A108122 18.2059  $-( -1+2*x^4-5*x^2)/(2*x^2-1)/(x^3+2*x^2+x-1)$  lgdogf  
A108122 7.11569  $[ \{-a(n+3)+a(n+2)+2*a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 1\},$   
ogf]  
A108136 10.8425  $[ (4*x^2+2*x-1)/(x^3+2*x^2+3*x-1)$  ogf]  
A108136 11.1787  $-(x-1)*(4*x^3+8*x^2-3*x+1)/(4*x^2+2*x-1)/(x^3+2*x^2+3*x-1)$   
lgdogf  
A108136 5.90530  $[ \{-a(n+3)+3*a(n+2)+2*a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 1\},$   
ogf]  
A108140 5.67827  $(1-6*x$   
 $+37*x^4-26*x^8-20*x^9+6*x^{10}+20*x^6+104*x^7-116*x^5+9*x^2)/(x^2-3*x+1)/$   
 $(x^2+x-1)/(2*x^7-2*x^6-8*x^5-2*x^3+3*x-1)$  lgdogf  
A108140 7.31441  $[ (2*x^7-2*x^6-8*x^5-2*x^3+3*x-1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A108142 4.29888  $[ (2*x^{11}+6*x^{10}-8*x^8-18*x^7-6*x^6-5*x^5-7*x^4-4*x^3+5*x-1)/$   
 $(x^3+x^2-5*x+1)/(x^3+x^2+x-1)$  ogf]  
A108143 10.4262  $-(1-8*x+16*x^2+8*x^3+3*x^4)/(3*x^2+4*x-1)/(x^3+x^2-5*x+1)$  lgdogf  
A108143 5.41971  $[ \{-a(n+3)+5*a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 1\},$   
ogf]  
A108143 9.95095  $[ -(3*x^2+4*x-1)/(x^3+x^2-5*x+1)$  ogf]  
A108146 11.1302  $[ -(2*x^2+3*x-1)/(x^3+x^2-4*x+1)$  ogf]  
A108146 11.8886  $-(1-6*x+8*x^2+6*x^3+2*x^4)/(2*x^2+3*x-1)/(x^3+x^2-4*x+1)$  lgdogf  
A108146 6.06199  $[ \{-a(n+3)+4*a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 1\},$   
ogf]  
A108152 12.4791  $[ (3*x-1)/(x^3+2*x^2+3*x-1)$  ogf]  
A108152 15.1540  $-x*(-4+6*x^2+3*x)/(3*x-1)/(x^3+2*x^2+3*x-1)$  lgdogf  
A108152 5.95850  $[ \{-a(n+3)+3*a(n+2)+2*a(n+1)+a(n), a(0) = 1, a(1) = 0, a(2) = 2\},$   
ogf]  
A108153 16.3327  $[ -x/(x^3+2*x^2+3*x-1)$  ogf]  
A108153 22.6589  $-(3+4*x+3*x^2)/(2*x^2-1+3*x+x^3)$  lgdogf  
A108153 6.62137  $[ \{-a(n+3)+3*a(n+2)+2*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 3\},$   
ogf]  
A108155 4.78716  $[ -$   
 $(2*x^{15}+4*x^{14}+6*x^{13}+8*x^{12}+10*x^{11}+15*x^{10}+20*x^9+21*x^8+20*x^7+17*x^6+12*x^5+$   
 $5*x^4+2*x^3-x-1)/(x^4+x^3+x^2+x+1)/(2*x^5-1)$  ogf]  
A108177 6.50374  $[ -(16*x^{10}+32*x^9+48*x^8+56*x^7+48*x^6+24*x^5+16*x^4+8*x^3-$   
 $x-1)/(4*x^3-1)/(4*x^3+1)/(x^2+x+1)$  ogf]  
A108178 5.13763  $[ -(4*x^4+31*x^3+46*x^2+16*x+1)/(x-1)^9$  ogf]  
A108178 9.93529  $-(25+220*x+20*x^4+202*x^3+415*x^2)/(x-1)/$   
 $(4*x^4+4+31*x^3+46*x^2+16*x+1)$  lgdogf  
A108188 3.04594  $[ \{(n+4)*a(n+1)+(n+4)*a(n+2)+(n+4)*a(n+3)-a(n+4), a(0) = 0, a(1)$   
 $= 1, a(2) = 1, a(3) = 6\},$  ogf]  
A108189 4.42652  $[ \{(n+4)*a(n+1)+(n+4)*a(n+2)-a(n+4), a(0) = 0, a(1) = 1, a(2) =$   
 $1, a(3) = 3\},$  ogf]  
A108195 13.4619  $[ (x^2+2*x-5)/(x-1)^3$  ogf]  
A108195 25.1752  $-( -13+6*x+x^2)/(x-1)/(x^2+2*x-5)$  lgdogf  
A108195 7.20328  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 13, a(2) =$   
 $23\},$  ogf]  
A108196 9.29818  $[ (x-1)*(x+1)/(x^4-3*x^3+8*x^2-3*x+1)$  ogf]  
A108196 9.46800  $-(3-18*x+12*x^2-4*x^3-3*x^4+2*x^5)/(x-1)/(x+1)/$   
 $(x^4-3*x^3+8*x^2-3*x+1)$  lgdogf  
A108204 3.91854  $[ \{(n+2)*a(n+1)+(-2*n-4)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2)$   
 $= 2\},$  ogf]  
A108205 4.11779  $[ \{(-n-2)*a(n+1)+(-2*n-4)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2)$   
 $= 2\},$  ogf]  
A108206 4.06390  $[ \{(-n-2)*a(n+1)+(-3*n-6)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2)$   
 $= 3\},$  ogf]  
A108207 3.99610  $[ \{(-2-n)*a(n+1)+(5*n+10)*a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2)$   
 $= 5\},$  ogf]  
A108208 4.45508  $[ \{(2*n+4)*a(n+1)+(-4*n-8)*a(n+2)+a(n+3), a(0) = 0, a(1) = 2,$   
 $a(2) = 8\},$  ogf]  
A108209 4.05044  $[ \{(-2*n-4)*a(n+1)+(5*n+10)*a(n+2)-a(n+3), a(0) = 0, a(1) = 2,$   
 $a(2) = 10\},$  ogf]

A108210 4.09241 [ $\{(-3*n-6)*a(n+1)+(5*n+10)*a(n+2)-a(n+3), a(0) = 0, a(1) = 3, a(2) = 15\}$ , ogf]  
A108211 12.2963 [ $-(x^2+14*x+17)/(x-1)^3$  ogf]  
A108211 6.67815 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 17, a(1) = 65, a(2) = 145\}$ , ogf]  
A108213 10.5687  $-1/14*7^{(1/2)}*14^{(1/2)}*(\operatorname{arcsinh}(1/7*7^{(1/2)})-\operatorname{arcsinh}(1/77*7^{(1/2)}*(11+x)))$  revevgf  
A108213 12.0702 [ $\{-a(n+2)+2*a(n), a(0) = 44, a(1) = 22\}$ , ogf]  
A108213 18.5263 [ $-22*(x+2)/(2*x^2-1)$  ogf]  
A108213 26.0694  $-(1+8*x+2*x^2)/(x+2)/(2*x^2-1)$  lgdogf  
A108214 4.65874 [ $\{(n^2+7*n+12)*a(n+1)-a(n+2), a(0) = 8, a(1) = 48\}$ , ogf]  
A108246 29.7190  $2-2*x+x^2+(-2+2*x)*f(x)$  lgdegf  
A108246 3.70255 [ $\{(-n^2-5*n-6)*a(n+1)+(2*n+6)*a(n+2)+(-2*n-8)*a(n+3)+2*a(n+4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2\}$ , ogf]  
A108248 37.6310  $[x^{23}-x+2$  ogf\_with\_Euler\_transform]  
A108261 5.00855 [ $-(5*x-1)*(x-2)/(x-1)/(x^2-6*x+1)$  ogf]  
A108262 4.24729 [ $\{-a(n+3)+7*a(n+2)-7*a(n+1)+a(n), a(0) = 3, a(1) = 8, a(2) = 39\}$ , ogf]  
A108262 7.31509  $-2*(4-17*x+2*x^4-13*x^3+36*x^2)/(-1+x)/(x-3)/(4*x-1)/(x^2-6*x+1)$  lgdogf  
A108262 7.74103 [ $-(4*x-1)*(x-3)/(x-1)/(x^2-6*x+1)$  ogf]  
A108281 4.05219 [ $\{a(n+3)-195*a(n+2)+195*a(n+1)-a(n), a(0) = 0, a(1) = 15, a(2) = 2926\}$ , ogf]  
A108281 7.77760 [ $-x*(x+15)/(x-1)/(x^2-194*x+1)$  ogf]  
A108281 8.78733  $-2*(1463-2925*x-75*x^2+x^3)/(x+15)/(x-1)/(x^2-194*x+1)$  lgdogf  
A108300 14.3061 [ $-(2*x+1)/(x^2+3*x-1)$  ogf]  
A108300 15.3878  $1/2/(2+x)*(-1-3*x+(x+1)*(13*x+1))^{(1/2)}$  revogf  
A108300 18.5559  $-(5+2*x+2*x^2)/(2*x+1)/(x^2+3*x-1)$  lgdogf  
A108300 7.85093 [ $\{a(n+2)-3*a(n+1)-a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A108304 4.84538 [ $\{(9*n^2+27*n)*a(n)+(-10*n^2-64*n-84)*a(n+1)+(n^2+13*n+42)*a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A108306 15.6652 [ $-(3*x+1)/(3*x^2+3*x-1)$  ogf]  
A108306 15.8108  $1/6*(-1-3*x+(1+18*x+21*x^2)^{(1/2)})/(1+x)$  revogf  
A108306 16.6429  $-3*(2+2*x+3*x^2)/(3*x+1)/(3*x^2+3*x-1)$  lgdogf  
A108306 8.59677 [ $\{a(n+2)-3*a(n+1)-3*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A108307 4.06813 [ $\{(8*n^2+48*n+64)*a(n+1)+(7*n^2+67*n+148)*a(n+2)+(-n^2-17*n-2)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A108308 7.73692  $1/2*(-1+8*x+3*x^2-24*x^3+(-(-1+8*x)*(x^2-12*x+1)^2)^{(1/2)})/(-1+8*x)/(x^3-x+2)$  lgdogf  
A108351 9.09616 [ $(x^2+x-1)/(x+1)/(x^3+x^2+x-1)/(x-1)^2$  ogf]  
A108351 9.80261  $-(1+x-4*x^2-4*x^3+x^4+9*x^5+4*x^6)/(x-1)/(x+1)/(x^2+x-1)/(x^3+x^2+x-1)$  lgdogf  
A108354 14.1291 [ $1/(x^2+1)^2/(x-1)^2$  ogf]  
A108354 29.6407  $[[2*x^3-2*x+2]$  ogf\_with\_Euler\_transform]  
A108354 30.2387  $-2*(-2*x+1+3*x^2)/(x-1)/(1+x^2)$  lgdogf  
A108355 11.1234 [ $(2*x^2+1)/(x^2+1)^2/(x-1)^2$  ogf]  
A108356 14.0338 [ $(x^2+x+1)*(x^2-x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A108356 27.5592  $[x^7-x^5+x+1$  ogf\_with\_Euler\_transform]  
A108357 11.4523  $-2*x*(1+2*x^2+4*x^6+3*x^8+2*x^{10})/(x-1)/(1+x)/(1+x^2)/(1+x^4)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A108357 12.4521 [ $-(x^2+x+1)*(x^2-x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A108357 17.7984  $[x*(x^6-x^4+1)$  ogf\_with\_Euler\_transform]  
A108360 14.8600  $-2*(1-2*x+4*x^3-x^2)/(x-1)/(2*x-1)/(x^2+2*x-1)$  lgdogf  
A108360 8.10501 [ $(2*x-1)^2/(x-1)^2/(x^2+2*x-1)^2$  ogf]  
A108361 6.53509 [ $(x^2+x-1)^2/(x+1)/(x-1)^2/(x^3+x^2+x-1)^2$  ogf]  
A108361 9.83407  $-(1+x-3*x^4-6*x^3+5*x^6+11*x^5-x^2)/(x-1)/(1+x)/(x^2+x-1)/(x^3+x^2+x-1)$  lgdogf  
A108362 11.2725  $-x*(-4+3*x^3+4*x^2+x^5-2*x^4-3*x)/(x^2+x-1)/(x^2-x-1)/(x^3-x^2+1)$  lgdogf  
A108362 12.1919 [ $(x^3-x^2+1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A108368 16.9919 [ $-x/(x^3+3*x^2+3*x-1)$  ogf]



A108368 26.9553  $-3*(1+x)^2/(3*x^2-1+3*x+x^3)$  lgdogf  
A108368 6.88860  $[{-a(n+3)+3*a(n+2)+3*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 3}]$ ,  
ogf]  
A108369 17.6318  $[ -x/(x^3-3*x^2-3*x-1)$  ogf]  
A108369 22.6102  $-3*(-1-2*x+x^2)/(-3*x^2-1-3*x+x^3)$  lgdogf  
A108369 6.51265  $[{a(n+3)+3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = -3}]$ ,  
ogf]  
A108390 8.18776  $[ (x^8+x^7+x^6+4*x^5-4*x^4-4*x^3-x^2-x-1)/(x+1)/(x^2-x+1)/$   
 $(x^2+x-1)/(x^4-x^3+2*x^2+x+1)$  ogf]  
A108391 8.92219  $[ -(x^8+x^7+3*x^6+8*x^5+4*x^4+3*x^2-x+1)/(x+1)/(x^2-x+1)/$   
 $(x^2+x-1)/(x^4-x^3+2*x^2+x+1)$  ogf]  
A108404 13.0385  $[ -(4*x-1)/(11*x^2-8*x+1)$  ogf]  
A108404 13.9903  $-2*(2-11*x+22*x^2)/(-1+4*x)/(11*x^2-8*x+1)$  lgdogf  
A108404 7.22614  $[{a(n+2)-8*a(n+1)+11*a(n), a(0) = 1, a(1) = 4}]$ , ogf]  
A108411 10.7216  $[{-a(n+2)+3*a(n), a(0) = 1, a(1) = 1}]$ , ogf]  
A108411 16.7362  $[ -(x+1)/(3*x^2-1)$  ogf]  
A108411 18.1611  $1/2/(1+3*x)*(-1+(1+4*x+12*x^2)^(1/2))$  revogf  
A108411 21.6762  $-(1+6*x+3*x^2)/(x+1)/(-1+3*x^2)$  lgdogf  
A108412 11.9364  $-(-1-10*x+3*x^4+4*x^3+2*x^5-4*x^2)/(x^2+x+1)/(x^4-4*x^2+1)$   
lgdogf  
A108412 12.3911  $[ (x^2+x+1)/(x^4-4*x^2+1)$  ogf]  
A108413 11.3771  $[ (2*x^3+5*x^2+x+1)/(x^4+4*x^2+1)$  ogf]  
A108413 9.66397  $-(-1-2*x-5*x^4+4*x^3+2*x^6+10*x^5-2*x^2)/(2*x^3+5*x^2+x+1)/$   
 $(x^4+4*x^2+1)$  lgdogf  
A108424 40.1160  $-x*(x-1)^2/(-2+x)$  revogf  
A108427 8.38997  $1/8*(5*(1+2*x)^(3/2)*(10*x+1)^(1/2)*x+(1+2*x)^(3/2)*(10*x$   
 $+1)^(1/2)-1-13*x-44*x^3-44*x^2)/x^2/(1+x)$  revogf  
A108432 12.5039  $1/2/(-1+2*x)^2*(1-3*x+(1-10*x+17*x^2)^(1/2))*x$  revogf  
A108434 14.0288  $1/2/(x-1)^2*(1-2*x+(1-8*x+8*x^2)^(1/2))*x$  revogf  
A108436 9.11827  $-1/2*(3*(4*x+1)^(1/2)*x+2*(4*x+1)^(1/2)-2-7*x-2*x^2)/x^2/(x-2)$   
revogf  
A108447 15.4552  $-1/2*(1-x+((5*x-1)*(x-1)^(1/2))/(x-1)*x$  revogf  
A108448 8.35701  $-1/2*(1+44*x^2+((20*x^2+4*x+1)*(-1+10*x)^2)^(1/2))*x/(x-1)/$   
 $(1+2*x)^2$  revogf  
A108474 17.9656  $[ -1/(2*x-1)/(4*x^2+1)$  ogf]  
A108474 20.1152  $-2*(-4*x+1+12*x^2)/(2*x-1)/(4*x^2+1)$  lgdogf  
A108474 5.98855  $[{a(n+3)-2*a(n+2)+4*a(n+1)-8*a(n), a(0) = 1, a(1) = 2, a(2) =$   
 $0}]$ , ogf]  
A108475 13.1927  $[ -(3*x-1)/(x+1)/(x^2-6*x+1)$  ogf]  
A108475 6.18773  $[{-a(n+3)+5*a(n+2)+5*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) =$   
 $15}]$ , ogf]  
A108476 10.0571  $-2*(1+12*x-36*x^2+32*x^3)/(2*x+1)/(-1+4*x)/(4*x^2-8*x+1)$  lgdogf  
A108476 10.6515  $[ -(4*x-1)/(2*x+1)/(4*x^2-8*x+1)$  ogf]  
A108476 5.04544  $[{-a(n+3)+6*a(n+2)+12*a(n+1)-8*a(n), a(0) = 1, a(1) = 2, a(2) =$   
 $24}]$ , ogf]  
A108478 6.68414  $-(x-1)*(9*x^7+x^6-3*x^5-19*x^4-21*x^3-29*x^2-x-1)/$   
 $(3*x^3+x^2+x-1)/(x^3+x^2+3*x-1)/(x^3-3*x^2-x-1)$  lgdogf  
A108478 7.03611  $[ -(3*x^3+x^2+x-1)/(x^3+x^2+3*x-1)/(x^3-3*x^2-x-1)$  ogf]  
A108479 10.0043  $[ -(x^2+x-1)/(x^2+x+1)/(x^2-3*x+1)$  ogf]  
A108479 11.6694  $-(1+x^4-8*x^3+2*x^5+7*x^2)/(x^2+x+1)/(x^2-3*x+1)/(x^2+x-1)$   
lgdogf  
A108480 8.47106  $-(1+2*x+4*x^4-24*x^3+16*x^5+13*x^2)/(2*x-1)/(x+1)/$   
 $(4*x^4-4*x^3-3*x^2-2*x+1)$  lgdogf  
A108480 9.39655  $[ -(x+1)*(2*x-1)/(4*x^4-4*x^3-3*x^2-2*x+1)$  ogf]  
A108481 9.26426  $[ -(-3*x^4-x^3+x+3)/(-x^6-x^5-x^4-x^3-x^2-x-1)$   
ogf\_with\_Euler\_transform]  
A108482 9.67259  $[ -(x^4+x^3-x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$   
ogf\_with\_Euler\_transform]  
A108483 11.0534  $[ -(x^4-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A108484 8.55428  $-(1+4*x+19*x^2-48*x^3+9*x^4+54*x^5)/(3*x^2+x-1)/$   
 $(9*x^4-6*x^3-5*x^2-2*x+1)$  lgdogf

A108484 9.23678 [  $-(3x^2+x-1)/(9x^4-6x^3-5x^2-2x+1)$  ogf]  
A108485 8.37624  $-2*(1-2x+16x^2-24x^3+4x^4+8x^5)/(2x^2+2x-1)/(4x^4-8x^3-4x+1)$  lgdogf  
A108485 9.81769 [  $-(2x^2+2x-1)/(4x^4-8x^3-4x+1)$  ogf]  
A108486 8.06155 [  $-(6x^2+2x-1)/(36x^4-24x^3-8x^2-4x+1)$  ogf]  
A108487 5.60483  $-10*(1-18x+200x^5-440x^3+100x^4+160x^2)/(10x^2+10x-1)/(100x^4-200x^3+80x^2-20x+1)$  lgdogf  
A108487 6.84386 [  $-(10x^2+10x-1)/(100x^4-200x^3+80x^2-20x+1)$  ogf]  
A108488 13.5267  $-(-1-3x+8x^3-6x^2)/(-3x^2+1-2x+4x^4-4x^3)$  lgdogf  
A108489 13.2984  $-(-1-5x+18x^3-9x^2)/(-5x^2+1-2x+9x^4-6x^3)$  lgdogf  
A108490 11.1048  $-2*(-1-4x-18x^2+36x^3)/(-8x^2+1-4x+36x^4-24x^3)$  lgdogf  
A108494 15.8615 [  $-(2x^2-x+2)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A108495 4.72188 [  $7x^2*(3x^4+28x^3+58x^2+28x+3)/(x-1)^8$  ogf]  
A108495 9.48682  $-4*(13+78x+3x^4+38x^3+108x^2)/(x-1)/(3x^4+28x^3+58x^2+28x+3)$  lgdogf  
A108520 25.8889 [  $1/(2x^2+2x+1)$  ogf]  
A108520 35.2930  $-2*(2x+1)/(1+2x^2+2x)$  lgdogf  
A108520 9.15584 [  $\{a(n+2)+2a(n+1)+2a(n), a(0) = 1, a(1) = -2\}$ , ogf]  
A108522 12.5892  $(2*\ln(x+1)*\exp(1)+\text{Ei}(1,-1-x)-\text{Ei}(1,-1))/\exp(1)$  revogf  
A108524 12.6583  $-(x-1)*(-1+(1-8x+4x^2)^{1/2})/(x-2)/x/(1-8x+4x^2)^{1/2}$  lgdogf  
A108524 3.76017 [  $\{(-4n-8)*a(n+1)+(16n+44)*a(n+2)+(-17n-61)*a(n+3)+(2n+10)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 32\}$ , ogf]  
A108524 33.9474  $x*(-1+2x)/(x-1)/(1+x)$  revogf  
A108550 6.20293 [  $-2*(x^2-4x+1)*(x^2-x-1)/(3x^2-10x+1)/(x-1)^2$  ogf]  
A108550 6.84176  $-(-9+47x-136x^2+96x^3-23x^4+x^5)/(x-1)/(x^2-4x+1)/(3x^2-10x+1)/(x^2-x-1)$  lgdogf  
A108555 4.34413 [  $(x^3+x^2+x-1)*(2x^5+5x^4-4x^3+10x^2-6x+1)/(x^3+x^2+3x-1)/(x-1)^2/(x^2+2x-1)^2$  ogf]  
A108557 5.75414 [  $(12x^5-80x^4+33x^3+19x^2-9x+1)/(x^2-6x+1)/(3x-1)^2$  ogf]  
A108563 4.01315 [  $-(-2x^{12}+2x^{10}-5x^8+2x^7+x^6-3x^5-2x^4+3x^3-2x^2-2x)/(x^{13}+x^{10}+x^9+x^7+x^6+x^4+x^3+1)$  ogf\_with\_Euler\_transform]  
A108576 6.73567 [  $8x^9*(2x^2+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x+1)^2/(x-1)^4$  ogf]  
A108576 7.58028  $-2*(1+3x+18x^7+2x^8+5x^6+15x^5+10x^9+6x^4+8x^3+4x^2)/(x-1)/(x+1)/(2x^2+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A108577 6.78297 [  $x^9*(2x^2+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x+1)^2/(x-1)^4$  ogf]  
A108577 7.57617  $-2*(1+3x+6x^4+8x^3+10x^9+2x^8+18x^7+5x^6+15x^5+4x^2)/(x-1)/(1+x)/(2x^2+1)/(1+x^2)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A108578 10.2285 [  $-8x^4*(2x+1)/(x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A108578 13.5224  $-(3+8x+18x^3+10x^4+15x^2)/(x-1)/(2x+1)/(x+1)/(x^2+x+1)$  lgdogf  
A108579 11.3716 [  $-x^4*(2x+1)/(x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A108579 14.8409  $-(3+8x+10x^4+18x^3+15x^2)/(x-1)/(2x+1)/(x+1)/(x^2+x+1)$  lgdogf  
A108589 10.1038  $-(5+11x+18x^4+19x^3+6x^6+12x^5+17x^2)/(x-1)/(1+x)/(3x^3+3x^2+3x+2)/(1+x^2)$  lgdogf  
A108589 12.3922 [  $(3x^3+3x^2+3x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A108623 38.5941  $x*(x-1)/(-1+x+x^2)$  revogf  
A108623 8.17286  $-1/2*(-3x+1+2x*(1-2x+5x^2)^{1/2})-(1-2x+5x^2)^{1/2}/(1-2x+5x^2)^{1/2}/x/(x-1)$  lgdogf  
A108624 34.4130  $-x*(1+x)/(-1-x+x^2)$  revogf  
A108624 7.69232  $-1/2*(-3x-1+2x*(1+2x+5x^2)^{1/2})+(1+2x+5x^2)^{1/2}/(x+1)/(1+2x+5x^2)^{1/2}/x$  lgdogf  
A108626 18.1523  $-2*(-1+x+x^3)/(x-1)/(x^3+x^2+3x-1)$  lgdogf  
A108627 10.1917  $-(3-4x+x^6-x^2+4x^3+x^4)/(x-1)/(x^3+x-1)/(x^3+x^2+3x-1)$  lgdogf  
A108627 9.89885 [  $-2*(x^3+x-1)/(x-1)/(x^3+x^2+3x-1)$  ogf]  
A108630 12.2805  $1/2/(x^2+1)*(-1+x-x^2+(1+2x-x^2+2x^3-3x^4)^{1/2})$  revogf  
A108642 10.4825  $-(46-88x+307x^4+974x^3-249x^2)/(x-1)/(307x^4-127x^3+44x^2-44x+18)$  lgdogf

A108642 7.64045 [  $-(307x^4-127x^3+44x^2-44x+18)/(x-1)^5$  ogf]  
A108645 5.16187 [  $-(5x^4+37x^3+52x^2+17x+1)/(x-1)^9$  ogf]  
A108645 9.98305  $-(26+240x+25x^4+242x^3+475x^2)/(x-1)/$   
 $(5x^4+37x^3+52x^2+17x+1)$  lgdogf  
A108646 5.27334 [  $(2x^4+21x^3+38x^2+15x+1)/(x-1)^8$  ogf]  
A108646 9.49977  $-(23+181x+8x^4+113x^3+291x^2)/(x-1)/$   
 $(2x^4+21x^3+38x^2+15x+1)$  lgdogf  
A108647 13.5328  $-20(1+x)(x^2+5x+1)/(x-1)/(4x^3+18x^2+12x+1)$  lgdogf  
A108647 5.49949 [  $\{(n^2+11n+30)a(n+1)+(-n^2-4n-4)a(n+2), a(0) = 1, a(1) = 20\}$ , ogf]  
A108647 5.83135 [  $(4x^3+18x^2+12x+1)/(x-1)^8$  ogf]  
A108648 13.4086  $-6(3+16x+2x^3+14x^2)/(x-1)/(3x^3+15x^2+11x+1)$  lgdogf  
A108648 3.90577 [  $\{(-n^2-9n-20)a(n+1)+(3n^2+27n+78)a(n$   
 $+2)+(-2n^2-12n-18)a(n+3), a(0) = 1, a(1) = 18, a(2) = 120\}$ , ogf]  
A108648 6.64347 [  $-(3x^3+15x^2+11x+1)/(x-1)^7$  ogf]  
A108649 13.6715  $-(17+86x+8x^3+71x^2)/(x-1)/(2x^3+13x^2+10x+1)$  lgdogf  
A108649 3.46757 [  $\{(-1193n^2-11641n-28380)a(n+1)+(709n^2-1306n-13353)a(n$   
 $+2)+(484n^2+2885n+4299)a(n+3), a(0) = 1, a(1) = 17, a(2) = 111\}$ , ogf]  
A108649 6.64347 [  $-(2x^3+13x^2+10x+1)/(x-1)^7$  ogf]  
A108650 18.3319  $-2(7+26x+12x^2)/(x-1)/(6x^2+8x+1)$  lgdogf  
A108650 3.51721 [  $\{(n+4)a(n+4)+(7+7n)a(n+3)+(-56-2n)a(n+2)+(-30-6n)a(n+1),$   
 $a(0) = 1, a(1) = 14, a(2) = 75, a(3) = 260\}$ , ogf]  
A108650 8.07360 [  $(6x^2+8x+1)/(x-1)^6$  ogf]  
A108666 17.6963  $-2(4-3x+x^2)/(x-1)/(x^2-6x+1)$  lgdogf  
A108670 4.86319 [  $-(3x+1)(3x^3+16x^2+15x+1)/(x-1)^9$  ogf]  
A108670 9.26231  $-(27+266x+45x^4+342x^3+580x^2)/(x-1)/(3x+1)/$   
 $(3x^3+16x^2+15x+1)$  lgdogf  
A108671 5.37881 [  $(3x^4+27x^3+44x^2+16x+1)/(x-1)^8$  ogf]  
A108671 9.55316  $-(24+200x+12x^4+147x^3+345x^2)/(x-1)/$   
 $(3x^4+27x^3+44x^2+16x+1)$  lgdogf  
A108673 13.1009  $-(19+114x+24x^3+123x^2)/(x-1)/(6x^3+21x^2+12x+1)$  lgdogf  
A108673 3.75549 [  $\{(-37n^2-317n-660)a(n+1)+(54n^2+305n+831)a(n$   
 $+2)+(-17n^2-108n-171)a(n+3), a(0) = 1, a(1) = 19, a(2) = 133\}$ , ogf]  
A108673 6.73882 [  $-(6x^3+21x^2+12x+1)/(x-1)^7$  ogf]  
A108674 16.7885  $-3(5+21x+x^3+13x^2)/(x-1)/(x+1)/(x^2+8x+1)$  lgdogf  
A108674 4.39317 [  $\{(-n^2-8n-16)a(n+1)+(2n^2+14n+35)a(n+2)+(-n^2-6n-9)a(n$   
 $+3), a(0) = 1, a(1) = 15, a(2) = 84\}$ , ogf]  
A108674 8.19144 [  $(x+1)(x^2+8x+1)/(x-1)^6$  ogf]  
A108675 5.68772 [  $-(x^4+14x^3+31x^2+14x+1)/(x-1)^7$  ogf]  
A108675 9.94534  $-(21+146x+197x^2+60x^3+3x^4)/(x-1)/(x^4+14x^3+31x^2+14x$   
 $+1)$  lgdogf  
A108676 12.9435  $-2(8+37x+3x^3+27x^2)/(x-1)/(2x^3+12x^2+10x+1)$  lgdogf  
A108676 3.55854 [  $\{(-43n^2-313n-564)a(n+1)+(116n^2+900n+2488)a(n$   
 $+2)+(-73n^2-437n-654)a(n+3), a(0) = 1, a(1) = 16, a(2) = 93\}$ , ogf]  
A108676 7.00814 [  $(2x^3+12x^2+10x+1)/(x-1)^6$  ogf]  
A108677 18.5687  $-(3x+4)(15x+4)/(x-1)/(9x^2+9x+1)$  lgdogf  
A108677 3.74678 [  $\{(n+4)a(n+4)+(8+8n)a(n+3)-72a(n+2)+(-54-9n)a(n+1), a(0) =$   
 $1, a(1) = 16, a(2) = 100, a(3) = 399\}$ , ogf]  
A108677 7.22316 [  $-(9x^2+9x+1)/(x-1)^7$  ogf]  
A108678 10.2681 [  $-(2x^2+5x+1)/(x-1)^5$  ogf]  
A108678 21.5306  $-2(5+12x+3x^2)/(x-1)/(2x^2+5x+1)$  lgdogf  
A108678 4.03574 [  $\{(n+4)a(n+4)+(2+4n)a(n+3)+(-30-3n)a(n+2)+(-8-2n)a(n+1),$   
 $a(0) = 1, a(1) = 10, a(2) = 42, a(3) = 120\}$ , ogf]  
A108679 12.2539  $-7(3+20x+x^4+12x^3+30x^2)/(x-1)/(x^4+10x^3+20x^2+10x+1)$   
lgdogf  
A108679 4.77204 [  $-(x^4+10x^3+20x^2+10x+1)/(x-1)^{11}$  ogf]  
A108679 6.28512 [  $\{(n^2+15n+56)a(n+1)+(-n^2-5n-6)a(n+2), a(0) = 1, a(1) =$   
 $21\}$ , ogf]  
A108680 13.2647  $-2(9+50x+12x^3+55x^2)/(x-1)/(4x^3+14x^2+9x+1)$  lgdogf  
A108680 3.84204 [  $\{(-4n^2-48n-140)a(n+1)+(5n^2+31n+78)a(n+2)+(-$   
 $n^2-7n-12)a(n+3), a(0) = 1, a(1) = 18, a(2) = 140\}$ , ogf]

A108680 5.58011 [  $-(4*x^3+14*x^2+9*x+1)/(x-1)^9$  ogf]  
A108681 18.1106  $-(15+61*x+36*x^2)/(x-1)/(6*x+1)/(1+x)$  lgdogf  
A108681 3.38397 [  $\{(n+4)*a(n+4)+(3+6*n)*a(n+3)+(-63-n)*a(n+2)+(-42-6*n)*a(n+1),$   
 $a(0) = 1, a(1) = 15, a(2) = 98, a(3) = 420\}$ , ogf]  
A108681 6.44870 [  $(x+1)*(6*x+1)/(x-1)^8$  ogf]  
A108682 12.9368  $-(17+91*x+20*x^3+96*x^2)/(x-1)/(4*x^3+14*x^2+9*x+1)$  lgdogf  
A108682 4.00345 [  $\{(-179*n^2-1799*n-4350)*a(n+1)+(274*n^2+1867*n+5715)*a(n$   
 $+2)+(-95*n^2-656*n-1113)*a(n+3), a(0) = 1, a(1) = 17, a(2) = 122\}$ , ogf]  
A108682 6.92770 [  $(4*x^3+14*x^2+9*x+1)/(x-1)^8$  ogf]  
A108683 18.5255  $-2*(7+27*x+15*x^2)/(x-1)/(6*x+1)/(x+1)$  lgdogf  
A108683 3.55299 [  $\{(n+4)*a(n+4)+(4+6*n)*a(n+3)+(-56-n)*a(n+2)+(-36-6*n)*a(n+1),$   
 $a(0) = 1, a(1) = 14, a(2) = 83, a(3) = 322\}$ , ogf]  
A108683 7.39901 [  $-(x+1)*(6*x+1)/(x-1)^7$  ogf]  
A108684 14.5456  $-(15+66*x+4*x^3+48*x^2)/(x-1)/(x^3+9*x^2+8*x+1)$  lgdogf  
A108684 3.45171 [  $\{(-696*n^2-7014*n-17670)*a(n+1)+(233*n^2-2819*n-15030)*a(n$   
 $+2)+(463*n^2+2879*n+4470)*a(n+3), a(0) = 1, a(1) = 15, a(2) = 93\}$ , ogf]  
A108684 6.64044 [  $-(x^3+9*x^2+8*x+1)/(x-1)^7$  ogf]  
A108704 14.7877  $7+7*x-14*x^2+(-5+16*x-4*x^2)*f(x)+(-2+4*x)*f(x)^2$  lgdegf  
A108704 3.85746 [  $\{(-2*n^2-10*n-12)*a(n+1)+(n+3)*a(n+2)+(2*n+7)*a(n+3)-a(n+4),$   
 $a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 18\}$ , ogf]  
A108716 4.28922 [  $\{-a(n+3)+21*a(n+2)-35*a(n+1)+7*a(n), a(0) = 3, a(1) = 21, a(2)$   
 $= 371\}$ , ogf]  
A108716 6.91195  $-7*(3-20*x-84*x^3+114*x^2+35*x^4)/(35*x^2-42*x+3)/$   
 $(7*x^3-35*x^2+21*x-1)$  lgdogf  
A108716 7.72060 [  $-(35*x^2-42*x+3)/(7*x^3-35*x^2+21*x-1)$  ogf]  
A108732 14.4335 [  $-11*(x+2)/(2*x^2-1)$  ogf]  
A108732 16.3928  $(-11+(121+11*x+2*x^2)^(1/2))/(11+2*x)$  revogf  
A108732 20.2178  $-(1+8*x+2*x^2)/(x+2)/(2*x^2-1)$  lgdogf  
A108732 9.40362 [  $\{-a(n+2)+2*a(n), a(0) = 22, a(1) = 11\}$ , ogf]  
A108733 6.72626 [  $\{(-n-2)*a(n+2)+(-12-18*n)*a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A108733 72.7962  $6/(1+18*x)$  lgdogf  
A108734 7.30735 [  $\{(-n-2)*a(n+2)+(-12-24*n)*a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A108734 72.4422  $12/(1+24*x)$  lgdogf  
A108734 9.71786  
 $1/72*\sin(2/3*\arcsin(36*x*3^(1/2)))*3^(1/2)+1/72*\cos(2/3*\arcsin(36*x*3^(1/2)))-1/$   
 $72$  revogf  
A108735 5.70615 [  $\{(-n-2)*a(n+2)+(-6-12*n)*a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A108735 61.4125  $6/(1+12*x)$  lgdogf  
A108735 7.48933  
 $1/36*\sin(2/3*\arcsin(18*x*3^(1/2)))*3^(1/2)+1/36*\cos(2/3*\arcsin(18*x*3^(1/2)))-1/$   
 $36$  revogf  
A108741 12.5814 [  $-x*(x+1)/(x-1)/(x^2-98*x+1)$  ogf]  
A108741 15.2875  $-2*(50-99*x+x^3-48*x^2)/(x-1)/(x+1)/(x^2-98*x+1)$  lgdogf  
A108741 6.45479 [  $\{a(n+3)-99*a(n+2)+99*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) =$   
 $100\}$ , ogf]  
A108742 12.1977 [  $-(x^2-x-1)/(x^4-2*x^2-x+1)$  ogf]  
A108742 12.5855  $-(2+2*x+2*x^5-3*x^4-4*x^3+3*x^2)/(x^2-x-1)/(x^4-2*x^2-x+1)$   
lgdogf  
A108752 11.7695 [  $x*(x^2+2*x+3)/(x^2+1)/(x-1)^2$  ogf]  
A108752 4.33925 [  $\{(-3*n-10)*a(n+1)+(3*n+7)*a(n+2)+(-3*n-10)*a(n+3)+(3*n+7)*a(n$   
 $+4), a(0) = 0, a(1) = 3, a(2) = 8, a(3) = 11\}$ , ogf]  
A108758 9.69642 [  $(x^5-x^4+x^2+x-1)/(x^5-x^4+2*x-1)$  ogf]  
A108765 10.8959 [  $-(x^2-x+1)/(3*x-1)/(x-1)^2$  ogf]  
A108765 14.4804  $-(-4+8*x+3*x^3-3*x^2)/(x-1)/(3*x-1)/(x^2-x+1)$  lgdogf  
A108765 5.88188 [  $\{a(n+3)-5*a(n+2)+7*a(n+1)-3*a(n), a(0) = 1, a(1) = 4, a(2) =$   
 $14\}$ , ogf]  
A108766 12.6506 [  $(x^3-3*x^2+5*x-1)/(x-1)^4$  ogf]  
A108766 22.9133  $-(1+9*x-3*x^2+x^3)/(x-1)/(x^3-3*x^2+5*x-1)$  lgdogf  
A108766 5.29398 [  $\{(9*n^2+57*n+78)*a(n+1)+(-22*n^2-128*n-174)*a(n+2)+(13*n^2+59*n$   
 $+60)*a(n+3), a(0) = -1, a(1) = 1, a(2) = 7\}$ , ogf]  
A108781 26.2238  $-(1+7*x+4*x^2)/(x-1)/(8*x^2-x+1)$  lgdogf

A108781 4.04394 [  $\{(n+4)*a(n+4)+(-7-2*n)*a(n+3)+(11+9*n)*a(n+2)+(-12-8*n)*a(n+1), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 9\}$ , ogf]  
A108791 5.07121 [  $\{a(n+3)+19*a(n+2)+19*a(n+1)+a(n), a(0) = -5, a(1) = 121, a(2) = -2205\}$ , ogf]  
A108791 9.42928 [  $-(x^2-26*x+5)/(x+1)/(x^2+18*x+1)$  ogf]  
A108791 9.80381  $-(121+188*x+x^4-52*x^3-498*x^2)/(x+1)/(x^2+18*x+1)/(x^2-26*x+5)$  lgdogf  
A108808 6.94857 [  $2*(x-2)*(x^3-6*x^2+4*x-1)/(4*x^5-6*x^4-91*x^3+75*x^2-23*x+1)$  ogf]  
A108812 13.3279 [  $-(41*x^4+31*x^3+21*x^2+11*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A108812 7.98545  $-(11+42*x+44*x^5+5*x^4+164*x^3+41*x^8+62*x^7+63*x^6+93*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(41*x^4+31*x^3+21*x^2+11*x+1)$  lgdogf  
A108851 12.8450 [  $(2*x-1)/(3*x^2+4*x-1)$  ogf]  
A108851 14.5041  $-2*(-1-3*x+3*x^2)/(2*x-1)/(3*x^2+4*x-1)$  lgdogf  
A108851 7.04907 [  $\{-a(n+2)+4*a(n+1)+3*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A108869 33.2549  $-7+6*x+(1-x)*f(x)$  lgdegf  
A108869 4.24346 [  $\{(-6*n-12)*a(n+1)+(n+9)*a(n+2)-a(n+3), a(0) = 1, a(1) = 7, a(2) = 50\}$ , ogf]  
A108896 10.1662 [  $-(990*x-949)/(10*x-1)/(x-1)$  ogf]  
A108896 5.82555 [  $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 949, a(1) = 9449\}$ , ogf]  
A108896 9.39600  $-1/20*(-949-11*x+(900601+16918*x+81*x^2)^{(1/2)})/(99+x)$  revogf  
A108896 9.75738  $-(9449-18980*x+9900*x^2)/(x-1)/(-1+10*x)/(990*x-949)$  lgdogf  
A108898 17.6814  $-(-1-6*x^2+16*x^3)/(x-1)/(-1+4*x)/(2*x^2+2*x-1)$  lgdogf  
A108898 18.6962 [  $(4*x-1)/(x-1)/(2*x^2+2*x-1)$  ogf]  
A108898 8.95030 [  $\{a(n+3)-3*a(n+2)+2*a(n), a(0) = -1, a(1) = 1, a(2) = 3\}$ , ogf]  
A108903 10.1662 [  $-(990*x-959)/(10*x-1)/(x-1)$  ogf]  
A108903 5.82555 [  $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 959, a(1) = 9559\}$ , ogf]  
A108903 9.39600  $-1/20*(-959-11*x+(919681+17138*x+81*x^2)^{(1/2)})/(99+x)$  revogf  
A108903 9.75738  $-(9559-19180*x+9900*x^2)/(x-1)/(990*x-959)/(-1+10*x)$  lgdogf  
A108904 10.1662 [  $-11*(90*x-89)/(10*x-1)/(x-1)$  ogf]  
A108904 10.7954  $-(889-1780*x+900*x^2)/(x-1)/(90*x-89)/(-1+10*x)$  lgdogf  
A108904 5.82555 [  $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 979, a(1) = 9779\}$ , ogf]  
A108904 9.39600  $-1/20*(-979-11*x+(958441+17578*x+81*x^2)^{(1/2)})/(99+x)$  revogf  
A108907 11.9656 [  $x^6*(x+1)^6*(x^2+x+1)^6*(x^2-x+1)^6$  ogf]  
A108907 18.3022  $6*(2*x+3*x^2+4*x^3+1+5*x^4)/(x+1)/(x+1+x^2)/(x^2-x+1)$  lgdogf  
A108908 5.72114 [  $(20*x^6+7*x^5+9*x^4+19*x^3+8*x^2+9*x+9)/(x-1)/(10*x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A108922 15.7067 [  $1/(x^8+1)/(x-1)^2$  ogf]  
A108922 27.9288  $-2*(1-4*x^7+5*x^8)/(x-1)/(1+x^8)$  lgdogf  
A108922 30.2720 [  $x^{15}-x^7+2$  ogf\_with\_Euler\_transform]  
A108923 11.2173 [  $-1/(x^8+1)/(x-1)^3$  ogf]  
A108923 26.6193  $-(3-8*x^7+11*x^8)/(x-1)/(1+x^8)$  lgdogf  
A108923 27.9177 [  $x^{15}-x^7+3$  ogf\_with\_Euler\_transform]  
A108924 10.3677 [  $-(x+1)*(2*x-1)/(x-1)/(2*x+1)/(4*x-1)$  ogf]  
A108924 5.59674 [  $\{-a(n+3)+3*a(n+2)+6*a(n+1)-8*a(n), a(0) = 1, a(1) = 2, a(2) = 10\}$ , ogf]  
A108924 9.53415  $-2*(1+4*x+8*x^4+8*x^3-12*x^2)/(x-1)/(4*x-1)/(2*x+1)/(2*x-1)/(x+1)$  lgdogf  
A108928 12.8002 [  $(3*x+1)*(x-5)/(x-1)^3$  ogf]  
A108928 21.0424  $-(-29-22*x+3*x^2)/(x-5)/(x-1)/(3*x+1)$  lgdogf  
A108928 6.96152 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 29, a(2) = 69\}$ , ogf]  
A108929 6.68905  $-(4+2*x-3*x^2-4*x^3+9*x^4+2*x^5+9*x^6+4*x^7+x^8)/(x-1)/(x^2+x+1)/(x^2+4*x-1)/(x^4+2*x^3-1)$  lgdogf  
A108929 7.58711 [  $-(x^4+2*x^3-1)/(x-1)/(x^2+x+1)/(x^2+4*x-1)$  ogf]  
A108931 10.1570  $-(3-16*x+4*x^5-9*x^4+4*x^3+18*x^2)/(x-1)/(2*x-1)/(x^2+2*x-1)/(-1-2*x+x^2)$  lgdogf  
A108931 11.5418 [  $x*(2*x-1)*(x-1)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A108932 16.0684 [  $-(x^5+x^4+1)/(x^8-1)$  ogf\_with\_Euler\_transform]  
A108946 10.2164  $-(-3+2*x+2*x^5+7*x^4+12*x^3+16*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2+4*x+1)$  lgdogf

A108946 11.1342 [  $-(x^2+x+1)/(x-1)/(x+1)/(x^2+4x+1)$  ogf]  
A108958 4.14165 [  $\{(8n^2+44n+60)a(n+1)+(-6n^2-34n-46)a(n+2)+(n^2+6n+8)a(n+3), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A108961 10.3393 [  $-(x^6+x^5+x^4-x^3+x^2+x+1)/(x^8-1)$  ogf\_with\_Euler\_transform]  
A108981 13.3781 [  $-(2x+1)/(x+1)/(4x-1)$  ogf]  
A108981 14.0351  $1/4 * (-1-3x+(1+14x+25x^2)^{1/2})/(1+2x)$  revogf  
A108981 15.9317  $-(5+8x+8x^2)/(-1+4x)/(2x+1)/(x+1)$  lgdogf  
A108981 7.34163 [  $\{a(n+2)-3a(n+1)-4a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A108982 13.6693 [  $-(2x+1)/(x+1)/(5x-1)$  ogf]  
A108982 14.3513  $1/2/(2+5x)*(-4x-1+(36x^2+16x+1)^{1/2})$  revogf  
A108982 15.8619  $-2*(3+5x+5x^2)/(2x+1)/(5x-1)/(x+1)$  lgdogf  
A108982 7.50143 [  $\{a(n+2)-4a(n+1)-5a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A108983 13.4635 [  $-(2x+1)/(x+1)/(6x-1)$  ogf]  
A108983 14.1353  $1/4*(-5x-1+(49x^2+18x+1)^{1/2})/(1+3x)$  revogf  
A108983 15.6232  $-(7+12x+12x^2)/(6x-1)/(2x+1)/(x+1)$  lgdogf  
A108983 7.38852 [  $\{a(n+2)-5a(n+1)-6a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A108984 12.7152  $1/2/(2+7x)*(-1-6x+(4x+1)*(16x+1)^{1/2})$  revogf  
A108984 12.9815 [  $-(2x+1)/(x+1)/(7x-1)$  ogf]  
A108984 15.0575  $-2*(4+7x+7x^2)/(2x+1)/(7x-1)/(x+1)$  lgdogf  
A108984 7.12399 [  $\{a(n+2)-6a(n+1)-7a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A108985 8.01185  $-(x^2+1)*(x^6-6x^4-14x^3-3x^2+6x+4)/(x-1)/(x+1)/(x^2+x+1)/(x^2+2x-1)/(x^3-x^2-x-1)$  lgdogf  
A108985 8.35882 [  $-(x+1)*(x^3-x^2-x-1)/(x-1)/(x^2+x+1)/(x^2+2x-1)$  ogf]  
A109002 3.49263 [  $\{-a(n+3)+11a(n+2)-10a(n+1), a(0) = 9, a(1) = 89, a(2) = 899\}$ , ogf]  
A109002 6.55633 [  $(10x^2-10x+9)/(10x-1)/(x-1)$  ogf]  
A109002 7.11527  $-(-89+160x+10x^2)/(-1+x)/(10x-1)/(10x^2-10x+9)$  lgdogf  
A109007 12.4487 [  $\{-a(n+3)+a(n), a(0) = 3, a(1) = 1, a(2) = 1\}$ , ogf]  
A109007 18.5528  $-(1+2x+x^4+2x^3+9x^2)/(x-1)/(x^2+x+1)/(x^2+x+3)$  lgdogf  
A109007 19.3082 [  $-(x^2+x+3)/(x-1)/(x^2+x+1)$  ogf]  
A109008 12.7074  $-(1+4x^5+x^6+4x^3+x^4+16x^3+3x^2)/(x-1)/(1+x)/(x^2+1)/(x^3+2x^2+x+4)$  lgdogf  
A109008 16.5982 [  $-(x^3+2x^2+x+4)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A109009 10.1938  $-(1+4x^5+3x^6+x^8+2x^7+2x+25x^4+4x^3+3x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+5)$  lgdogf  
A109009 14.5554 [  $-(x^4+x^3+x^2+x+5)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A109010 11.6802 [  $-(x^6+x^5+x^4+x^3+x^2+x+7)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A109010 6.92268  $-(2x+5x^4+4x^3+3x^2+x^{12}+6x^5+49x^6+5x^8+6x^7+3x^{10}+4x^9+2x^{11}+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+7)$  lgdogf  
A109011 10.6303 [  $-(x^7+2x^6+x^5+4x^4+x^3+2x^2+x+8)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A109012 9.75361 [  $-(x^8+x^7+3x^6+x^5+x^4+3x^3+x^2+x+9)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A109013 8.95569 [  $-(x^9+2x^8+x^7+2x^6+5x^5+2x^4+x^3+2x^2+x+10)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A109014 8.31875 [  $-(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+11)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A109015 7.71980 [  $-(x^{11}+2x^{10}+3x^9+4x^8+x^7+6x^6+x^5+4x^4+3x^3+2x^2+x+12)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A109017 12.5569 [  $x*(x^2+1)*(x^4-x^2+1)/(x^8-x^4+1)$  ogf]  
A109017 16.3616  $-2*x^3*(-2-3x^2+4x^4+x^6+x^{10})/(1+x^2)/(x^4-x^2+1)/(x^8-x^4+1)$  lgdogf  
A109020 12.5942 [  $-x*(x+1)/(x-1)/(3x-1)/(7x-1)$  ogf]  
A109020 14.0801  $-2*(6-31x+16x^2+21x^3)/(x-1)/(3x-1)/(7x-1)/(x+1)$  lgdogf  
A109020 6.57090 [  $\{a(n+3)-11a(n+2)+31a(n+1)-21a(n), a(0) = 0, a(1) = 1, a(2) = 12\}$ , ogf]  
A109021 15.5468 [  $-8x^2/(x-1)/(3x-1)/(7x-1)$  ogf]  
A109021 18.9737  $-(11-62x+63x^2)/(x-1)/(3x-1)/(7x-1)$  lgdogf  
A109021 6.60396 [  $\{a(n+3)-11a(n+2)+31a(n+1)-21a(n), a(0) = 0, a(1) = 0, a(2) =$

8}], ogf]

A109033 16.0620  $1/2 \cdot x^{-2} \cdot (1+4x^2+4x^4-4x)^{1/2}$  revogf

A109039 5.44621  $[-(4x^{11}+x^{10}+x^9+2x^8+3x^7+x^6+4x^5+x^4+3x^3+2x^2+x+1)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]

A109041 15.0448  $[-(-6x^2-9x-9)/(x^3-1)$  ogf\_with\_Euler\_transform]

A109043 14.3878  $[2x \cdot (x^2+x+1)/(x+1)^2/(x-1)^2$  ogf]

A109043 20.5952  $-(1+6x+2x^3+3x^2)/(x-1)/(x+1)/(1+x^2+x)$  lgdogf

A109043 34.9830  $[-x^2+2x+1$  ogf\_with\_Euler\_transform]

A109043 7.63181  $[{(n+3) \cdot a(n+1)+(-n-1) \cdot a(n+3)}, a(0) = 0, a(1) = 2, a(2) = 2]$ , ogf]

A109044 11.2344  $[3x \cdot (x^4+2x^3+x^2+2x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]

A109044 11.5212  $-2 \cdot (1+x+3x^5+x^6+7x^3+2x^4+6x^2)/(x-1)/(1+x^2+x)/(x^4+2x^3+x^2+2x+1)$  lgdogf

A109044 6.81139  $[{(-n-4) \cdot a(n+1)+(n+1) \cdot a(n+4)}, a(0) = 0, a(1) = 3, a(2) = 6, a(3) = 3]$ , ogf]

A109045 7.39957  $-(1+6x+24x^5+12x^4+20x^3+2x^9+3x^8+12x^7+5x^6+3x^2)/(x-1)/(1+x)/(x^2+1)/(x^6+x^5+3x^4+x^3+3x^2+x+1)$  lgdogf

A109045 8.69774  $[4x \cdot (x^6+x^5+3x^4+x^3+3x^2+x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]

A109046 7.27630  $[5x \cdot (x^4+x^3+3x^2+x+1) \cdot (x^4+x^3-x^2+x+1)/(x-1)^2/(x^4+x^3+x^2+x+1)^2$  ogf]

A109047 6.29660  $[6x \cdot (x^{10}+x^9+x^8+2x^7+5x^6+x^5+5x^4+2x^3+x^2+x+1)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2$  ogf]

A109048 5.33890  $[7x \cdot (x^{12}+2x^{11}+3x^{10}+4x^9+5x^8+6x^7+x^6+6x^5+5x^4+4x^3+3x^2+2x+1)/(x-1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)^2$  ogf]

A109049 4.90727  $[8x \cdot (x^2-x+1) \cdot (x^{12}+2x^{11}+4x^{10}+3x^9+4x^8+4x^7+7x^6+4x^5+4x^4+3x^3+4x^2+2x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2/(x^4+1)^2$  ogf]

A109050 4.23061  $[9x \cdot (x^{14}+3x^{13}+3x^{12}+4x^{11}+6x^{10}+4x^9+5x^8+9x^7+5x^6+4x^5+6x^4+4x^3+3x^2+3x+1) \cdot (x^2-x+1)/(x-1)^2/(x^2+x+1)^2/(x^6+x^3+1)^2$  ogf]

A109063 9.89022  $[-(-4x^3-3x^2-2x-1)/(-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]

A109064 10.9336  $[-(-4x^4-5x^3-5x^2-5x-5)/(x^5-1)$  ogf\_with\_Euler\_transform]

A109081 32.6168  $x \cdot (x-1)^2/(1-x+x^2)$  revogf

A109094 13.1894  $-(-2-8x+x^5-x^3-3x^4-11x^2)/(x-1)/(x+1)/(x^4-2x^3-x^2-x-1)$  lgdogf

A109094 8.55369  $[x \cdot (x^4-2x^3-x^2-x-1)/(x+1)^2/(x-1)^3$  ogf]

A109105 10.5811  $[-40 \cdot (2x-1)/(25x^2-15x+1)$  ogf]

A109105 12.3752  $-(13-50x+50x^2)/(2x-1)/(25x^2-15x+1)$  lgdogf

A109105 5.95947  $[{a(n+2)-15a(n+1)+25a(n)}, a(0) = 40, a(1) = 520]$ , ogf]

A109105 9.75738  $-1/10 \cdot (-40-15x+(1600+880x+125x^2)^{1/2})/(16+5x)$  revogf

A109106 10.8016  $[-2 \cdot (5x-1)/(25x^2-15x+1)$  ogf]

A109106 11.0249  $-1/10 \cdot (-2-15x+(4+20x+125x^2)^{1/2})/(2+5x)$  revogf

A109106 12.0749  $-5 \cdot (2-10x+25x^2)/(5x-1)/(25x^2-15x+1)$  lgdogf

A109106 6.09973  $[{a(n+2)-15a(n+1)+25a(n)}, a(0) = 2, a(1) = 20]$ , ogf]

A109107 16.3221  $[-2/(x^2+10x-1)$  ogf]

A109107 16.9809  $(-1-5x+(1+10x+26x^2)^{1/2})/x$  revogf

A109107 25.8757  $-2 \cdot (5+x)/(x^2-1+10x)$  lgdogf

A109107 6.60656  $[{-a(n+2)+10a(n+1)+a(n)}, a(0) = 2, a(1) = 20]$ , ogf]

A109108 11.3730  $[(x-1)/(x^2+10x-1)$  ogf]

A109108 12.1808  $1/2 \cdot (x-1) \cdot (-10x-1+(104x^2+16x+1)^{1/2})$  revogf

A109108 15.9874  $-(-9-2x+x^2)/(x-1)/(x^2+10x-1)$  lgdogf

A109108 6.30310  $[{-a(n+2)+10a(n+1)+a(n)}, a(0) = 1, a(1) = 9]$ , ogf]

A109109 13.3201  $1/2 \cdot (-6+x) \cdot (-10x-1+(104x^2-4x+1)^{1/2})$  revogf

A109109 15.1201  $-2 \cdot (3x+2) \cdot (x-1)/(6x-1)/(x^2+10x-1)$  lgdogf

A109109 15.5535  $[(6x-1)/(x^2+10x-1)$  ogf]

A109109 8.62002  $[{-a(n+2)+10a(n+1)+a(n)}, a(0) = 1, a(1) = 4]$ , ogf]

A109110 11.4267  $[-(2x^2-x-4)/(x^3-x^2-2x+1)$  ogf]

A109110 12.6586  $-(-9+4x+2x^4-2x^3-7x^2)/(2x^2-x-4)/(x^3-x^2-2x+1)$  lgdogf

A109110 6.16842 [ $\{a(n+3)-2a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 9, a(2) = 20\}$ , ogf]  
A109111 5.16749 [ $\{-a(n+2)+250a(n+1)-750a(n), a(0) = 2, a(1) = 510\}$ , ogf]  
A109111 8.39243  $-1/10*(-1-125*x+((85*x+1)*(175*x+1))^{(1/2)})/(-1+75*x)$  revogf  
A109111 9.07753  $-15*(-17+100*x+250*x^2)/(5*x+1)/(750*x^2-250*x+1)$  lgdogf  
A109111 9.09478 [ $2*(5*x+1)/(750*x^2-250*x+1)$  ogf]  
A109112 13.3959 [ $(x+2)/(3*x^2-6*x+1)$  ogf]  
A109112 14.7659  $-(-1-3*x+((1+x)*(1+6*x))^{(1/2)})/(-1+3*x)$  revogf  
A109112 15.9632  $-(-13+12*x+3*x^2)/(x+2)/(3*x^2-6*x+1)$  lgdogf  
A109112 7.26283 [ $\{-a(n+2)+6a(n+1)-3a(n), a(0) = 2, a(1) = 13\}$ , ogf]  
A109113 12.9149 [ $-2*(x+1)/(3*x^2+6*x-1)$  ogf]  
A109113 14.2297  $(-1-3*x+((1+2*x)*(1+6*x))^{(1/2)})/(3*x+2)$  revogf  
A109113 16.7408  $-(7+6*x+3*x^2)/(x+1)/(3*x^2+6*x-1)$  lgdogf  
A109113 7.00207 [ $\{a(n+2)-6a(n+1)-3a(n), a(0) = 2, a(1) = 14\}$ , ogf]  
A109114 13.7962  $-1/2*(-5*x-1+((1+x)*(13*x+1))^{(1/2)})/(-1+3*x)$  revogf  
A109114 14.0749 [ $(x+1)/(3*x^2-5*x+1)$  ogf]  
A109114 17.7379  $-3*(-2+2*x+x^2)/(1+x)/(3*x^2-5*x+1)$  lgdogf  
A109114 7.72401 [ $\{-a(n+2)+5a(n+1)-3a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A109115 13.0511  $1/2/(3*x+2)*(-4*x-1+((1+2*x)*(14*x+1))^{(1/2)})$  revogf  
A109115 13.3258 [ $-(2*x+1)/(3*x^2+4*x-1)$  ogf]  
A109115 17.2735  $-6*(1+x+x^2)/(2*x+1)/(3*x^2+4*x-1)$  lgdogf  
A109115 7.31295 [ $\{a(n+2)-4a(n+1)-3a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A109116 5.74959 [ $4*(4*x^4-x^3-105*x^2-73*x-5)/(x-1)^7$  ogf]  
A109117 5.81175 [ $(27*x^4+398*x^3+636*x^2+138*x+1)/(x-1)^6$  ogf]  
A109117 8.54151  $-6*(24+327*x+623*x^2+217*x^3+9*x^4)/(x-1)/(27*x^4+398*x^3+636*x^2+138*x+1)$  lgdogf  
A109118 4.76958 [ $2*(x^6-6*x^5+13*x^4-132*x^3-477*x^2-118*x-1)/(x-1)^7$  ogf]  
A109118 6.67247  $-(-125-1662*x-6*x^5+9*x^4-476*x^3+x^6-2781*x^2)/(x-1)/(x^6-6*x^5+13*x^4-132*x^3-477*x^2-118*x-1)$  lgdogf  
A109119 4.08007 [ $-2*(x^6+1324*x^5+20495*x^4+46360*x^3+20495*x^2+1324*x+1)/(x-1)^7$  ogf]  
A109120 4.80098 [ $-20*(256*x^4+2771*x^3+4539*x^2+1385*x+49)/(x-1)^7$  ogf]  
A109120 7.19939  $-12*(144+1449*x+64*x^4+1009*x^3+2584*x^2)/(x-1)/(256*x^4+2771*x^3+4539*x^2+1385*x+49)$  lgdogf  
A109121 3.86458 [ $-10*(243*x^5+8539*x^4+33404*x^3+25068*x^2+3281*x+25)/(x-1)^7$  ogf]  
A109122 4.42643 [ $-4*(325*x^5+11293*x^4+39262*x^3+24542*x^2+2333*x+5)/(x-1)^7$  ogf]  
A109123 4.54429 [ $16*(2*x^5-14*x^4+15*x^3-473*x^2-403*x-27)/(x-1)^7$  ogf]  
A109123 7.27525  $-4*(-148-841*x-580*x^2+x^3-8*x^4+x^5)/(x-1)/(2*x^5-14*x^4+15*x^3-473*x^2-403*x-27)$  lgdogf  
A109125 3.90040 [ $(x^8-7*x^7+17*x^6-9*x^5-26*x^4+37*x^3+5*x^2-23*x-2)/(x-1)^9$  ogf]  
A109125 5.52124  $-(-41-174*x-175*x^4+118*x^3+x^8-6*x^7+2*x^6+66*x^5+146*x^2)/(x-1)/(x^8-7*x^7+17*x^6-9*x^5-26*x^4+37*x^3+5*x^2-23*x-2)$  lgdogf  
A109130 5.27289 [ $-(130*x^8-608*x^7+1099*x^6-925*x^5+320*x^4-10*x^3+10*x^2-5*x+1)/(x-1)^5$  ogf]  
A109130 6.02149  $3*x^3*(-2198*x^2+1785*x^3-752*x^4+130*x^5-420+1435*x)/(x-1)/(130*x^8-608*x^7+1099*x^6-925*x^5+320*x^4-10*x^3+10*x^2-5*x+1)$  lgdogf  
A109141 15.4345  $6*x*(22+55*x+4*x^2)/(1+264*x^2+440*x^3+24*x^4)$  lgdogf  
A109142 6.48635  $12*x^3*(1887*x^4+2142*x^2+117*x^5+3570*x^3+51+425*x)/(24*x^3+33*x^2+6*x+1)/(117*x^6+1962*x^5+1863*x^4+156*x^3+3*x^2-6*x+1)$  lgdogf  
A109149 12.6729  $8*x^6*(1116*x^2+868+63*x+x^9)/(1+1984*x^7+126*x^8+1984*x^9+x^{16})$  lgdogf  
A109164 12.6859 [ $-(2*x+1)/(x-1)/(x^2-3*x+1)$  ogf]  
A109164 14.3297  $-(6-8*x+4*x^3-5*x^2)/(x-1)/(2*x+1)/(x^2-3*x+1)$  lgdogf  
A109164 5.95001 [ $\{a(n+3)-4a(n+2)+4a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 20\}$ , ogf]  
A109165 12.8289  $-2*(-1-5*x+6*x^4+4*x^3-5*x^2)/(2*x+1)/(2*x^4-5*x^2+1)$  lgdogf  
A109165 14.1564 [ $(2*x+1)/(2*x^4-5*x^2+1)$  ogf]  
A109175 8.23998 [ $-(x^4-2*x^3-x^2-x-1)/(x-1)/(x+1)/(x^2+2*x-1)$  ogf]



A109175 8.92116  $(-3-6*x+3*x^4+20*x^3+4*x^6-2*x^5)/(x-1)/(1+x)/(x^2+2*x-1)/(x^4-2*x^3-x^2-x-1)$  lgdogf  
A109188 16.7192  $-2*(-1-4*x+3*x^2)/(x-1)/(-1+3*x)/(x+1)$  lgdogf  
A109190 16.4998  $(-x+(5*x^2+1-2*x)^{(1/2)})/(1-2*x+4*x^2)*x$  revogf  
A109190 7.85703  $(-(-1-2*x+12*x^3+11*x^2+(-(x+1)*(-1+3*x)*(x-1)^2)^{(1/2)}))/(x+1)/(-1+3*x)/(4*x^2+2*x-1)$  lgdogf  
A109220 10.5467  $-(3+2*x+4*x^2-4*x^3-3*x^4+2*x^5)/(x^2-x-1)/(x^4-2*x^2-2*x+1)$  lgdogf  
A109220 10.5899  $[-(x^2-x-1)/(x^4-2*x^2-2*x+1)$  ogf]  
A109222 10.7324  $[-(x-1)*(x+1)^2/(x^4-2*x^2-x+1)$  ogf]  
A109237 4.69822  $[(2*x^15+x^14+x^13+2*x^12+x^11+x^10+2*x^9+x^8+x^7+2*x^6+x^5+x^4+2*x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A109241 14.3828  $-1/2000*(-110*x-1+(8100*x^2+220*x+1)^{(1/2)})/x$  revogf  
A109241 17.3173  $[1/(100*x-1)/(10*x-1)$  ogf]  
A109241 19.0360  $-10*(-11+200*x)/(100*x-1)/(10*x-1)$  lgdogf  
A109241 7.39389  $[{-a(n+2)+110*a(n+1)-1000*a(n), a(0) = 1, a(1) = 110},$  ogf]  
A109242 3.13572  $[{a(n+3)-111*a(n+2)+1110*a(n+1)-1000*a(n), a(0) = 1, a(1) = 111, a(2) = 11211},$  ogf]  
A109242 8.02419  $-3*(37-740*x+1000*x^2)/(-1+x)/(100*x-1)/(10*x-1)$  lgdogf  
A109242 8.78002  $[-1/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A109243 6.12858  $[-x*(32*x^5-8*x^4-8*x^3+6*x^2-2*x-1)/(2*x+1)^2/(2*x-1)^2/(2*x^2-1)^2$  ogf]  
A109247 16.7485  $3*x*(-2-3*x+2*x^4+x^5)/(x^4-3*x^3-3*x^2+1)/(1+x^4)$  lgdogf  
A109247 9.44274  $[x^4-3*x^3-3*x^2+1)/(x^4+1)$  ogf]  
A109248 15.6025  $[-(x+1)*(2*x-1)/(x^3-x^2+1)$  ogf]  
A109248 18.5780  $(-(-1-2*x-4*x^2+2*x^3+2*x^4)/(2*x-1)/(x+1)/(x^3-x^2+1)$  lgdogf  
A109248 9.46112  $[{-a(n+3)+a(n+1)-a(n), a(0) = 1, a(1) = -1, a(2) = -1},$  ogf]  
A109249 4.45024  $[x*(8*x^6-7*x^5+8*x^4+7*x^3-x^2+2*x-1)/(4*x^3-x^2+3*x-1)/(2*x^4-2*x^3+3*x^2+1)/(x-1)^2$  ogf]  
A109256 4.77897  $[2*(5*x^6-33*x^5+28*x^4-602*x^3+345*x^2-121*x+18)/(x-1)^7$  ogf]  
A109256 6.79347  $(-5-36*x+5*x^6-36*x^5-81*x^2-2296*x^3-81*x^4)/(x-1)/(5*x^6-33*x^5+28*x^4-602*x^3+345*x^2-121*x+18)$  lgdogf  
A109262 5.80534  $(5*n+5*n^2)*a(n)+(65*n+48+17*n^2)*a(n+1)+(54+37*n+7*n^2)*a(n+2)+(30+21*n+3*n^2)*a(n+3), a(0)=0, a(1)=1, a(2)=-2$  revogf  
A109265 11.7558  $[-(x^2+x-1)/(x^2-x+1)$  ogf]  
A109265 28.4279  $-2*x*(x-2)/(x^2-x+1)/(x^2+x-1)$  lgdogf  
A109265 6.16887  $[{-a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 0, a(2) = -2},$  ogf]  
A109266 15.8050  $[-(x^2+x-1)/(x^3-x^2+1)$  ogf]  
A109266 23.0642  $(-(-1-4*x^2+2*x^3+x^4)/(x^2+x-1)/(x^3-x^2+1)$  lgdogf  
A109266 9.68691  $[{a(n+3)-a(n+1)+a(n), a(0) = 1, a(1) = -1, a(2) = 0},$  ogf]  
A109340 16.7922  $-3*(x^2+1)*(2*x+1)^2/(x-1)/(x^2+x+1)/(4*x^2+x+1)$  lgdogf  
A109340 9.57516  $[-x^2*(4*x^2+x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A109344 4.64393  $[{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 49, a(1) = 4489, a(2) = 444889},$  ogf]  
A109344 7.98756  $[-(1000*x^2-950*x+49)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A109359 6.88587  $(-2*x+8*x^11-x^10+14*x^9+4*x^8+24*x^7-9*x^6+36*x^5-x^4+12*x^3+6*x^2+1)/(x-1)/(1+x)/(x^2-x+1)/(4*x^6+x^5+2*x^4+3*x^3+x^2+1)/(x^2+1)$  lgdogf  
A109359 8.03496  $[x*(4*x^6+x^5+2*x^4+3*x^3+x^2+1)/(x^2+1)/(x^2-x+1)/(x+1)^2/(x-1)^2$  ogf]  
A109360 7.34845  $[-x*(4*x^6-x^5-6*x^4+x^3-5*x^2-4*x-1)/(x^2+1)/(x^2-x+1)/(x+1)^2/(x-1)^2$  ogf]  
A109362 9.57727  $(-2+10*x^6+6*x^5+9*x^2+9*x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(3*x^3+2*x+1)$  lgdogf  
A109362 9.74118  $[-x^2*(3*x^3+2*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A109363 16.0350  $[-(4*x-1)/(2*x-1)/(x-1)^2$  ogf]  
A109363 23.4111  $-2*x*(-5+8*x)/(x-1)/(2*x-1)/(-1+4*x)$  lgdogf  
A109363 7.65633  $[{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = -1, a(1) = 0, a(2) = 5},$  ogf]  
A109377 12.7060  $[-(2*x^2+x+2)/(x^3-x^2+2*x-1)$  ogf]

A109377 15.8509  $-(5+2*x^4+2*x^3+x^2)/(2+2*x^2+x)/(x^3-x^2+2*x-1)$  lgdogf  
A109377 6.85899  $[{-a(n+3)+2*a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 5, a(2) = 10}]$ , ogf]  
A109389 19.9215  $[{-(-x^4-1)/(x^6-1)}$  ogf\_with\_Euler\_transform]  
A109430 4.55307  $[x*(2*x^13+x^12+2*x^11-6*x^9+4*x^8-6*x^7+8*x^6-6*x^5-2*x^3+4*x+1)/(x-1)/(x^2+1)/(x^4+1)/(x^8-x^4+1)$  ogf]  
A109437 14.0915  $[x/(x+1)/(x^2-4*x+1)$  ogf]  
A109437 18.9231  $-3*(-1-2*x+x^2)/(x+1)/(1-4*x+x^2)$  lgdogf  
A109437 5.71278  $[{-a(n+3)+3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 3}]$ , ogf]  
A109438 11.9327  $[(2*x+1)/(x+1)/(x^2-4*x+1)$  ogf]  
A109438 13.1855  $-(-5-6*x+4*x^3-3*x^2)/(2*x+1)/(x+1)/(x^2-4*x+1)$  lgdogf  
A109438 5.59674  $[{-a(n+3)+3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 18}]$ , ogf]  
A109451 7.67608  $[(x^5+x^4+x^3-2*x^2+2*x+1)/(x+1)/(x^4+1)/(x-1)^2]$  ogf]  
A109454 8.56599  $-(-13-6*x+3*x^6-6*x^5-22*x^4+26*x^3+56*x^2)/(1+x)/(x^2-3*x+1)/(x^2-x-4)/(x^2+x-1)$  lgdogf  
A109454 8.76678  $[x^4*(x^2-x-4)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A109467 5.96541  $-2*(13+152*x+12800*x^6+17280*x^5+9536*x^4+2848*x^3+724*x^2)/(2*x+1)/(10*x-1)/(160*x^3+108*x^2+22*x+1)/(1+4*x+8*x^2)$  lgdogf  
A109467 8.02305  $[-(160*x^3+108*x^2+22*x+1)/(2*x+1)/(10*x-1)/(8*x^2+4*x+1)$  ogf]  
A109470 9.62909  $[x^{25}-x^{24}+x^7-x^6+x-2)/(x-1)^3]$  ogf]  
A109474 14.3717  $[(7*x^3+2*x+1)/(x-1)^2/(x+1)$  ogf]  
A109474 18.3056  $-(3+5*x+7*x^3+25*x^2)/(x-1)/(1+x)/(7*x^3+2*x+1)$  lgdogf  
A109474 6.59151  $[{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 13}]$ , ogf]  
A109475 12.6274  $4*x^2*(x+3)*(x^4-3*x^3+9*x^2+3*x+6)/(1+48*x^3+30*x^4+48*x^5+x^8)$  lgdogf  
A109478 12.0868  $4*x^2*(x^5+186+527*x+310*x^2)/(1+496*x^3+1054*x^4+496*x^5+x^8)$  lgdogf  
A109498 11.2139  $[-(8*x-1)/(9*x-1)/(2*x-1)$  ogf]  
A109498 11.7108  $-1/4*(-1-11*x+(1-10*x+49*x^2)^{(1/2)})/(4+9*x)$  revogf  
A109498 11.9832  $-3*(1-12*x+48*x^2)/(-1+8*x)/(2*x-1)/(9*x-1)$  lgdogf  
A109498 6.27446  $[{a(n+2)-11*a(n+1)+18*a(n), a(0) = 1, a(1) = 3}]$ , ogf]  
A109499 13.3478  $[(3*x-1)/(x+1)/(4*x-1)$  ogf]  
A109499 14.0742  $1/2/(-3+4*x)*(-1-3*x+(1-6*x+25*x^2)^{(1/2)})$  revogf  
A109499 16.8891  $-4*x*(-2+3*x)/(4*x-1)/(3*x-1)/(x+1)$  lgdogf  
A109499 7.41544  $[{-a(n+2)+3*a(n+1)+4*a(n), a(0) = 1, a(1) = 0}]$ , ogf]  
A109500 12.5015  $[(4*x-1)/(x+1)/(5*x-1)$  ogf]  
A109500 13.1737  $1/2/(-4+5*x)*(-4*x-1+(36*x^2-8*x+1)^{(1/2)})$  revogf  
A109500 14.9540  $-10*x*(-1+2*x)/(-1+4*x)/(5*x-1)/(x+1)$  lgdogf  
A109500 6.94530  $[{-a(n+2)+4*a(n+1)+5*a(n), a(0) = 1, a(1) = 0}]$ , ogf]  
A109501 12.2457  $[(5*x-1)/(x+1)/(6*x-1)$  ogf]  
A109501 12.6029  $1/2/(-5+6*x)*(-5*x-1+(1-10*x+49*x^2)^{(1/2)})$  revogf  
A109501 15.0535  $-6*x*(-2+5*x)/(-1+6*x)/(5*x-1)/(x+1)$  lgdogf  
A109501 6.80319  $[{-a(n+2)+5*a(n+1)+6*a(n), a(0) = 1, a(1) = 0}]$ , ogf]  
A109509 22.0222  $[-x/(x^2+x-1)$  ogf\_with\_Euler\_transform]  
A109522 10.1877  $[ -x*(2*x^2+x-2)/(x-1)/(x+1)/(x^2+x-1)$  ogf]  
A109522 11.1017  $- (1+4*x+4*x^5+5*x^4-6*x^3-6*x^2)/(x-1)/(1+x)/(x^2+x-1)/(2*x^2+x-2)$  lgdogf  
A109523 6.56893  $- (2+14*x^7+5*x^2-6*x^3-8*x^4-6*x^5+2*x^9+11*x^6+10*x^8)/(x-1)/(x^2+x+1)/(x^3+x^2+x-1)/(x^4+3*x^3+2*x^2-2)$  lgdogf  
A109523 7.22066  $[ -x*(x^4+3*x^3+2*x^2-2)/(x-1)/(x^2+x+1)/(x^3+x^2+x-1)$  ogf]  
A109524 7.97630  $- (2+2*x+5*x^2-9*x^4-16*x^5-3*x^6+10*x^7+11*x^8+4*x^9)/(x-1)/(x+1)/(x^2+x+1)/(2*x^3+x^2-2)/(x^3+x^2-1)$  lgdogf  
A109524 8.78798  $[ -x*(x+1)*(2*x^3+x^2-2)/(x-1)/(x^2+x+1)/(x^3+x^2-1)$  ogf]  
A109525 6.14106  $[ -x*(2*x^6+3*x^5+5*x^4+4*x^3-2)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+x^2+x-1)$  ogf]  
A109526 8.20987  $[ -x*(3*x^6+x^5+2*x^4+2*x^3-2*x^2-2)/(x-1)/(x+1)/(x^2+1)/(x^4+x-1)$  ogf]  
A109528 5.57556  $-(-2*x$

$$\frac{6x^{11}-4x^{10}-18x^7-18x^5+4x^{13}+2x^4-30x^3-6x^2-42x^9-15x^{12}-36x^6-3}{(x^5-3x^4+x^3-x^2-3x-1)/(x^9+3x^6+3x^3-1)} \text{ lgdogf}$$
A109528 7.97274 [  $x^*(x^5-3x^4+x^3-x^2-3x-1)/(x^9+3x^6+3x^3-1)$  ogf ]  
A109529 5.61591 -  $2*(x-3x^{11}+2x^{10}+9x^7+9x^5-2x^{13}-x^4+12x^3+3x^2+11x^9+6x^{12}+14x^6+x^{15}+1)/(x^7-x^5+3x^4-x^3+x^2+2x+1)/(x^9+3x^6+3x^3-1)$  lgdogf  
A109529 7.91018 [  $-(x^7-x^5+3x^4-x^3+x^2+2x+1)/(x^9+3x^6+3x^3-1)$  ogf ]  
A109530 6.97164 [  $-(x^8-x^7+2x^6+3x^5+x^4+3x^3+2x^2+1)/(x^9+3x^6+3x^3-1)$  ogf ]  
A109531 9.66767 [  $-x*(x^2-x+1)*(x^5+x^4+2x^2+2x+1)/(x^9+2x^6+x^3-1)$  ogf ]  
A109532 10.0457 [  $-(x^7+2x^4+x^2+x+1)/(x^9+2x^6+x^3-1)$  ogf ]  
A109532 6.82096 -  $(2*x+7*x^{10}+8*x^7+15*x^6+12*x^5+x^4+10*x^3+3*x^2+12*x^9+9*x^8+1+8*x^{12}+2*x^{15})/(x^7+2*x^4+x^2+x+1)/(x^9+2*x^6+x^3-1)$  lgdogf  
A109533 7.94024 [  $-(x^8+x^6+2x^5+x^4+x^3+x^2+1)/(x^9+2x^6+x^3-1)$  ogf ]  
A109534 10.1333 [  $-(x^5-4x^4-3x^3-3x^2-2x-1)/(x^2+1)/(x+1)^2/(x-1)^2$  ogf ]  
A109534 8.59154 -  $(-2-8x-8x^7-7x^6-20x^5-11x^4-28x^3-13x^2+x^8)/(x-1)/(1+x)/(x^2+1)/(x^5-4x^4-3x^3-3x^2-2x-1)$  lgdogf  
A109537 10.8860 [  $(x^3+x^2-1)/(x^6-x^4+x^2+x-1)$  ogf ]  
A109538 5.71318 -  $(-2x+6x^{11}+5x^{10}-26x^7-22x^6+10x^5+6x^4+2x^3-x^2+4x^{12}-10x^8-1)/(4x^6+3x^5+2x^4+x^3-x-1)/(x^7+x^6+x^5+x^4+x^3+x^2-1)$  lgdogf  
A109538 7.04535 [  $(4x^6+3x^5+2x^4+x^3-x-1)/(x^7+x^6+x^5+x^4+x^3+x^2-1)$  ogf ]  
A109539 5.99766 [  $(5x^7+4x^6+3x^5+2x^4+x^3-x-1)/(x+1)/(x^7+x^5+x^3+x-1)$  ogf ]  
A109540 6.11355 [  $(6x^7+4x^6+3x^5+2x^4+x^3-x-1)/(x^2+x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf ]  
A109541 6.83560 [  $(5x^6+3x^5+2x^4+x^3-x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1)$  ogf ]  
A109543 12.4206 [  $(x^4+x^3-1)/(x^5+x^3+x-1)$  ogf ]  
A109543 13.9015 -  $(-1-x^6+x^8+2x^7-8x^4+2x^3)/(x^4+x^3-1)/(x^5+x^3+x-1)$  lgdogf  
A109544 9.23159 -  $(-1-2x+2x^8+2x^7-x^6-8x^5+2x^3-9x^4-x^2)/(2x^4+x^3-x-1)/(x^5+x^4+x^3+x^2-1)$  lgdogf  
A109544 9.64411 [  $(2x^4+x^3-x-1)/(x^5+x^4+x^3+x^2-1)$  ogf ]  
A109545 11.0403 [  $(x^2+x-1)/(x^3+x^2+2x-1)$  ogf ]  
A109545 14.0424 -  $(-1+x^4+2x^3-4x^2)/(x^2+x-1)/(x^3+x^2+2x-1)$  lgdogf  
A109545 6.01304 [  $\{-a(n+3)+2a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf ]  
A109546 14.0052 [  $(4x-5)/(x+1)/(4x-1)$  ogf ]  
A109546 15.0656  $1/8*(-5-3x+(25+14x+25x^2)^{(1/2)})/(x-1)$  revogf  
A109546 15.4423 -  $(4x+1)*(4x-11)/(-1+4x)/(4x-5)/(x+1)$  lgdogf  
A109546 7.59317 [  $\{-a(n+2)+3a(n+1)+4a(n), a(0) = 5, a(1) = 11\}$ , ogf ]  
A109575 17.7772 [  $-x/(8x^3-12x-1)$  egf ]  
A109575 20.5172 -  $12*(-1+2x^2)/(-1-12x+8x^3)$  lgdegf  
A109575 6.36237 [  $\{a(n+3)+12a(n+2)-8a(n), a(0) = 0, a(1) = 1, a(2) = -12\}$ , egf ]  
A109576 18.7373 [  $-x/(x-1)/(2x+1)^2$  egf ]  
A109576 26.5000 -  $3*(2x-1)/(2x+1)/(x-1)$  lgdegf  
A109576 3.49340 [  $\{(2n^3+16n^2+42n+36)*a(n+1)+(-n^2-7n-12)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = -6\}$ , ogf ]  
A109581 19.7639 [  $-x/(x^3-x-1)$  egf ]  
A109581 30.7699 -  $(-1+3x^2)/(-1-x+x^3)$  lgdegf  
A109581 4.00128 [  $\{(-n^3-9n^2-26n-24)*a(n+1)+(n+4)*a(n+3)+a(n+4), a(0) = 0, a(1) = 1, a(2) = -2, a(3) = 6\}$ , ogf ]  
A109582 22.5966 [  $1/(x^3-x-1)$  egf ]  
A109582 31.0509 -  $(-1+3x^2)/(-1-x+x^3)$  lgdegf  
A109582 4.02025 [  $\{(-n^3-9n^2-26n-24)*a(n+1)+(n+4)*a(n+3)+a(n+4), a(0) = -1, a(1) = 1, a(2) = -2, a(3) = 0\}$ , ogf ]  
A109583 4.38114 [  $x^3*(x+1)*(x^6+2x^4-x^3+x^2+1)/(x^{10}-3x^9-x^8+x^7-x^6+1)$  egf ]  
A109588 7.10385 -  $(1+2x-7x^6+4x^{10}-5x^9+6x^8+36x^7-12x^5+30x^4+11x^3+6x^2)/(x-1)/(x^8-x^7+x^6+4x^5-2x^3+x^2+x+1)/(x^2+x+1)$  lgdogf

A109588 7.43446 [  $(x^8-x^7+x^6+4x^5-2x^3+x^2+x+1)/(x-1)^4/(x^2+x+1)^4$  ogf]  
A109594 7.04365 -  
 $(-1-2x-39x^6+4x^{10}-5x^9-6x^8+8x^7+12x^5-10x^4-27x^3-6x^2)/(x-1)/(x^8-x^7-x^6-4x^4+2x^3-x^2-x-1)/(x^2+x+1)$  lgdogf  
A109594 7.43446 [  $-(x^8-x^7-x^6-4x^4+2x^3-x^2-x-1)/(x-1)^4/(x^2+x+1)^4$  ogf]  
A109595 7.43446 [  $(x^8-x^7+x^6-2x^5+4x^3+x^2+x+1)/(x-1)^4/(x^2+x+1)^4$  ogf]  
A109595 7.55592  $-(1+2x-7x^6+4x^{10}-5x^9+6x^8-6x^7+42x^5+11x^3+24x^2)/(x-1)/(x^2+x+1)/(x^8-x^7+x^6-2x^5+4x^3+x^2+x+1)$  lgdogf  
A109609 13.1213 [  $1/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A109609 7.58150  $-(-1-2x+14x^{13}+13x^{12}-12x^{11})/(x-1)/(1+x)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1)/(x^2+1)/(x^4-x^2+1)$  lgdogf  
A109610 11.1097 [  $-(x^{12}-x^{10}+2x^7-3x^4-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A109613 15.9575 [  $(x^2+1)/(x-1)^2/(x+1)$  ogf]  
A109613 24.7893  $-(1+5x+x^2+x^3)/(x-1)/(x+1)/(1+x^2)$  lgdogf  
A109613 31.2639 [  $[-x^3+2x+1]$  ogf\_with\_Euler\_transform]  
A109613 8.12123 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A109614 7.10385  $-(-1-2x+9x^6+4x^{10}-5x^9-6x^8+8x^7-42x^5-10x^4-3x^3-24x^2)/(x-1)/(x^2+x+1)/(x^8-x^7-x^6+2x^4-4x^3-x^2-x-1)$  lgdogf  
A109614 7.43446 [  $-(x^8-x^7-x^6+2x^4-4x^3-x^2-x-1)/(x-1)^4/(x^2+x+1)^4$  ogf]  
A109620 12.2441 [  $(2x-1)*(x^2+1)/(x-1)^4$  ogf]  
A109620 21.9255  $-2*(-1+2x+2x^2+x^3)/(x-1)/(2x-1)/(x^2+1)$  lgdogf  
A109620 5.01488 [  $\{(47n^2+259n+330)*a(n+1)+(-88n^2-368n-228)*a(n+2)+(41n^2+127n+12)*a(n+3), a(0) = -1, a(1) = -2, a(2) = -3\}$ , ogf]  
A109622 11.0859  $-(-1-6x+x^6+2x^5-x^4-8x^3-3x^2)/(x-1)/(x+1)/(x^5-2x^3-x^2+x-1)$  lgdogf  
A109622 7.50565 [  $-(x^5-2x^3-x^2+x-1)/(x+1)^2/(x-1)^4$  ogf]  
A109632 3.40249 [  $100*(x+2)/(x-1)^2$  ogf]  
A109632 8.23484  $-(x+5)/(2+x)/(-1+x)$  lgdogf  
A109633 2.78232 [  $100*(x^3+x+1)/(x-1)^2$  ogf]  
A109634 14.0460 [  $x/(2x^2+2x-1)^2$  ogf]  
A109634 25.9290  $-4*(2x+1)/(2x^2-1+2x)$  lgdogf  
A109634 4.24209 [  $\{(n+2)*a(n+3)+(-6-2n)*a(n+2)+(-8-2n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A109644 9.20708 [  $-(4950x^{11}-9900x^{10}+4950x^9+45x^2-91x+44)/(x-1)^3$  ogf]  
A109678 12.4998 [  $(x+1)/(x-1)^4$  ogf]  
A109678 36.0747 [  $[5-x]$  ogf\_with\_Euler\_transform]  
A109678 37.3767  $-(5+3x)/(x-1)/(1+x)$  lgdogf  
A109678 5.64804 [  $\{(-n-3)*a(n+3)+5*a(n+2)+(4+n)*a(n+1), a(0) = 1, a(1) = 5, a(2) = 14\}$ , ogf]  
A109697 36.1972 [  $1/(-x^5+1)$  ogf\_with\_Euler\_transform]  
A109698 31.2111 [  $x/(-x^5+1)$  ogf\_with\_Euler\_transform]  
A109699 30.8253 [  $x^2/(-x^5+1)$  ogf\_with\_Euler\_transform]  
A109700 30.8630 [  $x^3/(-x^5+1)$  ogf\_with\_Euler\_transform]  
A109701 37.0150 [  $1/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A109702 30.8013 [  $x^4/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A109703 37.0093 [  $1/(-x^7+1)$  ogf\_with\_Euler\_transform]  
A109704 32.0852 [  $x/(-x^7+1)$  ogf\_with\_Euler\_transform]  
A109705 31.5694 [  $x^2/(-x^7+1)$  ogf\_with\_Euler\_transform]  
A109706 31.3435 [  $x^3/(-x^7+1)$  ogf\_with\_Euler\_transform]  
A109707 30.8729 [  $x^4/(-x^7+1)$  ogf\_with\_Euler\_transform]  
A109708 30.7779 [  $x^5/(-x^7+1)$  ogf\_with\_Euler\_transform]  
A109718 16.5474 [  $-x*(3x^2+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A109718 19.4536  $-2x*(3+2x^2+3x^4)/(x-1)/(1+x)/(1+3x^2)/(1+x^2)$  lgdogf  
A109718 8.65853 [  $\{a(n+4)-a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 3\}$ , ogf]  
A109720 11.9673 [  $-x*(x+1)*(x^2+x+1)*(x^2-x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A109720 31.7100 [  $x^6-x^5+1$  ogf\_with\_Euler\_transform]  
A109720 7.97277  $-(1+2x$

$$\frac{7x^6+5x^4+4x^3+2x^{11}+3x^{10}+4x^9+5x^8+6x^7+3x^2}{(x-1)(1+x)(x^2+x+1)(x^2-x+1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$
 lgdogf  
A109731 9.19761  $-\frac{(-4-12x+13x^2-4x^3+8x^4+4x^5+x^6)}{(x^3+2x^2+4x-1)(x^4+4x^2+1)}$  lgdogf  
A109731 9.47103  $[-(x^3+2x^2+4x-1)/(x^4+4x^2+1)]$  ogf]  
A109737 14.1085  $\frac{4x^2(x^5+42+15x+70x^2)}{(1+112x^3+30x^4+112x^5+x^8)}$  lgdogf  
A109743 3.39464  $[\{(3n^2+9n)a(n)+(5n^2+24n+22)a(n+1)+(2n^2+11n+20)a(n+2)+(-2n-6)a(n+3), a(0) = 1, a(1) = 3, a(2) = 9\}]$  ogf]  
A109747 20.7650  $-a(n)+(-1-n)a(n+1), a(0)=2, a(1)=-1$  lgdegf  
A109753 12.2071  $[-x(7x^6+5x^4+3x^2+1)/(x-1)(x+1)(x^2+1)(x^4+1)]$  ogf]  
A109753 9.82503  $\frac{-2x(3+10x^2+21x^4+4x^6+9x^8+10x^{10}+7x^{12})}{(x-1)(1+x)(x^2+1)(x^4+1)(7x^6+5x^4+3x^2+1)}$  lgdogf  
A109764 11.7452  $\frac{-2(51+212x+14x^3+143x^2)}{(x-1)(x+1)(7x^2+46x+7)}$  lgdogf  
A109764 3.47022  $[\{(-16n^2-123n-236)a(n+1)+(32n^2+192n+466)a(n+2)+(-16n^2-69n-74)a(n+3), a(0) = 0, a(1) = 14, a(2) = 204\}]$  ogf]  
A109764 5.70323  $[-2x(x+1)(7x^2+46x+7)/(x-1)^7]$  ogf]  
A109765 13.8422  $[x/(4x-1)/(2x-1)/(x+1)]$  ogf]  
A109765 15.3341  $\frac{-(-5+4x+24x^2)}{(-1+4x)(-1+2x)(x+1)}$  lgdogf  
A109765 5.61169  $[\{a(n+3)-5a(n+2)+2a(n+1)+8a(n), a(0) = 0, a(1) = 1, a(2) = 5\}]$  ogf]  
A109768 10.4406  $\frac{-(1+10x+x^6+10x^5+3x^4+4x^3+3x^2)}{(x-1)(1+x)(x^2+1)(x^3+5x^2+x+1)}$  lgdogf  
A109768 13.8678  $[-(x^3+5x^2+x+1)/(x-1)(x+1)(x^2+1)]$  ogf]  
A109771 43.7389  $(x+3)/(x^2+1+6x)$  lgdogf  
A109771 5.05500  $[\{(n+3)a(n+3)+(9+6n)a(n+2)+na(n+1), a(0) = 1, a(1) = 3, a(2) = -4\}]$  ogf]  
A109774 13.4184  $[-8x/(x-1)/(3x-1)/(9x-1)]$  ogf]  
A109774 15.8774  $\frac{-(13-78x+81x^2)}{(x-1)(-1+3x)(9x-1)}$  lgdogf  
A109774 5.55243  $[\{a(n+3)-13a(n+2)+39a(n+1)-27a(n), a(0) = 0, a(1) = 8, a(2) = 104\}]$  ogf]  
A109778 6.54836  $\frac{24x^7(51+425x^2+2142x^4+3570x^6+1887x^8+117x^{10})}{(24x^6+33x^4+6x^2+1)(117x^{12}+1962x^{10}+1863x^8+156x^6+3x^4-6x^2+1)}$  lgdogf  
A109781 6.57448  $[(x^5+x^4-6x^3+2x^2+x-1)/(x-1)(x^2-x+1)(x^2-2x-1)/(x+1)^2]$  ogf]  
A109781 6.69770  $\frac{-(-3+3x+2x^{10}-x^9-27x^8+68x^7-52x^6+12x^5+12x^2-6x^3)}{(x-1)(x+1)(x^2-x+1)(x^2-2x-1)(x^5+x^4-6x^3+2x^2+x-1)}$  lgdogf  
A109782 7.26044  $[x^2(x^4-2x^3+2x^2+1)/(x-1)(x^2-x+1)(x^2-2x-1)/(x+1)^2]$  ogf]  
A109784 5.65609  $\frac{-(-5+8x+9x^6+24x^5-16x^4+22x^3+2x^{10}-8x^9+6x^8-12x^7-24x^2)}{(x-1)(2x-1)(x^2+x+1)(x^2-x-1)(x^3-x^2+x-2)(x^2+1)}$  lgdogf  
A109784 6.61352  $[(x^2-x-1)(x^3-x^2+x-2)/(2x-1)(x-1)(x^2+x+1)(x^2+1)]$  ogf]  
A109785 9.70971  $[-(x^{12}+2x^{10}-x^8-x^7-x^2-x-1)/(x+1)(x^2+1)(x^2+x+1)(x^2-x+1)(x^4-x^2+1)/(x-1)^2]$  ogf]  
A109786 6.86798  $\frac{-(1-2x+5x^6+6x^5-3x^2-2x^3+20x^4+5x^8+6x^7)}{(x+1)(x^2+1)(5x^4+3x^3+2x^2+x-1)(x^2-3x+1)}$  lgdogf  
A109786 7.60647  $[-(5x^4+3x^3+2x^2+x-1)/(x+1)(x^2+1)(x^2-3x+1)]$  ogf]  
A109787 5.82143  $\frac{-2(1-3x+5x^6+18x^5-60x^4+33x^3+11x^9-21x^8+5x^7-x^2)}{(x-1)(1+x)(x^2-3x+1)(11x^4-3x^3-2x^2-x+1)(x^2+1)}$  lgdogf  
A109787 7.45104  $[-(11x^4-3x^3-2x^2-x+1)/(x-1)(x+1)(x^2+1)(x^2-3x+1)]$  ogf]  
A109792 3.29098  $[\{(n^3+11n^2+40n+48)a(n+1)+(-n^2-7n-12)a(n+2)+(-n-6)a(n+3)+a(n+4), a(0) = 1, a(1) = 3, a(2) = 14, a(3) = 70\}]$  ogf]  
A109793 5.15275  $[(118x^6+92x^5+46x^4-4x^3-3x^2-2x-1)/(x+1)(x^2+1)(50x^4-1)]$  ogf]  
A109794 11.5431  $\frac{-(-1-6x+6x^4+4x^3+x^6-6x^2)}{(x^2+x-1)(x^2-x-1)(x^3+x+1)}$  lgdogf  
A109794 12.6065  $[(x^3+x+1)/(x^2+x-1)(x^2-x-1)]$  ogf]  
A109795 6.22588  $[-(11x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2(x^4+x^3+x^2+x+1)^2/(x^4-x^3+x^2-x+1)^2/(x-1)^3]$  ogf]  
A109803 7.67600  $[(x+1)^2(x^2+1)/(x-1)(x^2+x+1)(x^2+2x-1)]$  ogf]  
A109803 8.05056  $\frac{-(-4-2x-5x^2+13x^3+10x^4+8x^5+3x^6+x^7)}{(x-1)(x+1)(x^2+x+1)(x^2+2x-1)}$  ogf]

$(x^2+1)/(x^2+x+1)/(x^2+2x-1)$  lgdogf  
A109808 14.1475 [ $\{a(n+1)-7a(n), a(0) = 2\}$ , ogf]  
A109808 29.4267 [ $-2/(7x-1)$  ogf]  
A109808 30.1376  $-1/7 \ln(2) + 1/7 \ln(2+7x)$  revegf  
A109808 65.7549  $-7/(-1+7x)$  lgdogf  
A109815 7.43446 [ $(x^8+x^7-x^6-2x^5+4x^4+x^2+x+1)/(x-1)^4/(x^2+x+1)^4$  ogf]  
A109815 7.55592  $-(1+2x+39x^6+4x^{10}+5x^9-6x^8-6x^7-6x^5+27x^3+12x^2)/(x-1)/(x^2+x+1)/(x^8+x^7-x^6-2x^5+4x^4+x^2+x+1)$  lgdogf  
A109816 7.16509  $-(1+2x-9x^6+4x^{10}+5x^9-6x^8+36x^7-6x^5+30x^4+3x^3+12x^2)/(x-1)/(x^8+x^7-x^6+4x^5-2x^4+x^2+x+1)/(x^2+x+1)$  lgdogf  
A109816 7.43446 [ $(x^8+x^7-x^6+4x^5-2x^4+x^2+x+1)/(x-1)^4/(x^2+x+1)^4$  ogf]  
A109868 10.7334  $2*(1+11x+50x^4-5x^2)/(10x^2-1)/(10x^3-x^2-2x-1)$  lgdogf  
A109868 5.87458 [ $\{-a(n+4)+10a(n+2), a(0) = 1, a(1) = 2, a(2) = 11, a(3) = 10\}$ , ogf]  
A109868 9.85734 [ $(10x^3-x^2-2x-1)/(10x^2-1)$  ogf]  
A109900 32.0074 [ $-x^2+2x+3$  ogf\_with\_Euler\_transform]  
A109900 9.04136 [ $x*(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A109936 7.39155 [ $-(8965x^{18}-8965x^{17}+897x^7-897x^6+87x^4-87x^3+7x-8)/(x-1)^2$  ogf]  
A109961 13.0159  $-(1-2x+x^4-4x^3+7x^2)/(x-1)/(x^2-3x+1)/(x^2-x+1)$  lgdogf  
A109961 8.96488 [ $-(x-1)^3/(x^2-3x+1)/(x^2-x+1)$  ogf]  
A109975 12.1288 [ $(x-1)*(x^2+x-1)/(2x-1)^2$  ogf]  
A109975 14.3005  $(-2+4x-3x^2+2x^3)/(x-1)/(2x-1)/(x^2+x-1)$  lgdogf  
A109975 5.63883 [ $\{a(n+4)-4a(n+3)+4a(n+2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9\}$ , ogf]  
A109980 15.0485  $-(-3x+(9x^2+1-2x)^{(1/2)})/(-1+2x)*x$  revogf  
A109980 3.39655 [ $\{6a(n)*n+(-37n-54)*a(n+1)+(12n+27)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A109980 8.66428  $(-3+18x-3x^2+(1-6x+x^2)*(-1+3x)^2)^{(1/2)}/(6x-1)/(1-6x+x^2)$  lgdogf  
A109984 16.6127  $-2*(22-9x+x^2)/(x-5)/(x^2+1-6x)$  lgdogf  
A110001 4.26552 [ $-(x^{15}-x^{14}+x^{13}-x^{12}+11x^{11}-3x^{10}-x^9+3x^8+11x^7+3x^6-x^5-3x^4+x^3+x^2+x+1)/(x-1)^5/(x+1)^5/(x^2+1)^5$  ogf]  
A110003 4.28602 [ $-(x^{15}+x^{14}-x^{13}-x^{12}+11x^{11}-x^{10}-3x^9+3x^8+11x^7-x^6+3x^5-3x^4+x^3+x^2+x+1)/(x-1)^5/(x+1)^5/(x^2+1)^5$  ogf]  
A110004 4.16557 [ $-(x^{15}+x^{14}-x^{13}-x^{12}-x^{11}+11x^{10}-3x^9+3x^8-x^7+11x^6+3x^5-3x^4+x^3+x^2+x+1)/(x-1)^5/(x+1)^5/(x^2+1)^5$  ogf]  
A110005 4.26552 [ $(x^{15}-x^{14}-x^{13}+x^{12}+3x^{11}-11x^{10}+x^9-3x^8-3x^7-11x^6+x^5+3x^4-x^3-x^2-x-1)/(x-1)^5/(x+1)^5/(x^2+1)^5$  ogf]  
A110008 4.16557 [ $-(x^{15}-x^{14}+x^{13}-x^{12}-x^{11}-3x^{10}+11x^9+3x^8-x^7+3x^6+11x^5-3x^4+x^3+x^2+x+1)/(x-1)^5/(x+1)^5/(x^2+1)^5$  ogf]  
A110009 4.30653 [ $(x^{15}-x^{14}-x^{13}+x^{12}+3x^{11}+x^{10}-11x^9-3x^8-3x^7+x^6-11x^5+3x^4-x^3-x^2-x-1)/(x-1)^5/(x+1)^5/(x^2+1)^5$  ogf]  
A110034 10.4994 [ $-(2x^3-x^2-3x+1)/(x-1)/(x+1)/(x^2-3x+1)$  ogf]  
A110034 11.4012  $-2*x*(-1+x^5-x^4+5x^2-3x^3)/(x-1)/(x+1)/(2x^3-x^2-3x+1)/(x^2-3x+1)$  lgdogf  
A110035 10.8706 [ $(x^2+x-1)/(x-1)/(x+1)/(x^2-3x+1)$  ogf]  
A110035 11.0132  $-2*(-1+x-5x^3+x^5+3x^2)/(x-1)/(x+1)/(x^2-3x+1)/(x^2+x-1)$  lgdogf  
A110038 10.0705  $-24-24x-12x^2-4x^3-x^4+(-24-48x-24x^2-8x^3-2x^4)*f(x)+48*f(x)^2$  lgdegf  
A110044 5.52603 [ $(2x^{20}+2x^{18}+2x^{17}+2x^{15}+2x^{14}+2x^{12}+2x^{11}+2x^9+2x^8+2x^6+2x^5+22x^4-12x^2-23x-11)/(x-1)/(x^2+x+1)$  ogf]  
A110045 23.7351 [ $x/(2x^2-3x+1)$  ogf\_with\_Euler\_transform]  
A110046 6.31361  $-8*(1-x-2x^2-8x^3+16x^4+48x^5+32x^6)/(2x+1)/(-1+2x)/(4x^2+4x-1)/(16x^3+12x^2-4x-1)$  lgdogf  
A110046 7.47956 [ $-(16x^3+12x^2-4x-1)/(2x+1)/(2x-1)/(4x^2+4x-1)$  ogf]

A110047 10.2951 [  $-(4*x^2-2*x-1)/(2*x+1)/(2*x-1)/(4*x^2+4*x-1)$  ogf]  
A110047 7.23756  $-2*(3+4*x-8*x^2-64*x^3-16*x^4+64*x^5)/(2*x+1)/(-1+2*x)/(4*x^2+4*x-1)/(4*x^2-2*x-1)$  lgdogf  
A110048 13.9833 [  $-1/(2*x+1)/(4*x^2+4*x-1)$  ogf]  
A110048 14.3733  $-2*(1+12*x+12*x^2)/(2*x+1)/(4*x^2+4*x-1)$  lgdogf  
A110048 5.15174 [  $\{-a(n+3)+2*a(n+2)+12*a(n+1)+8*a(n), a(0) = 1, a(1) = 2, a(2) = 16\}$ , ogf]  
A110050 6.39349 [  $-(16*x^4-24*x^3-30*x^2+9*x+2)/(x-1)/(2*x+1)/(2*x-1)/(4*x^2+4*x-1)$  ogf]  
A110051 5.73193  $-(4+10*x+64*x^7-75*x^2+28*x^3+48*x^4-64*x^5+48*x^6)/(x-1)/(2*x+1)/(2*x-1)/(4*x^2+4*x-1)/(2*x^3+x^2-x+1)$  lgdogf  
A110051 7.62978 [  $-(2*x^3+x^2-x+1)/(x-1)/(2*x+1)/(2*x-1)/(4*x^2+4*x-1)$  ogf]  
A110052 9.43928  $-(-3+20*x+96*x^4-64*x^3-28*x^2)/(x-1)/(2*x-1)/(4*x-1)/(4*x^2+4*x-1)$  lgdogf  
A110052 9.72676 [  $x*(4*x-1)/(2*x-1)/(x-1)/(4*x^2+4*x-1)$  ogf]  
A110061 16.2337 [  $x^2*(4*x-3)/(x^4-x^3+1)$  ogf]  
A110061 22.6079  $-(-4+9*x^2-20*x^3+12*x^4)/(-3+4*x)/(x^4-x^3+1)$  lgdogf  
A110062 15.5872 [  $(2*x^2-x+1)/(x^4-x^3+1)$  ogf]  
A110062 17.7665  $-(1-4*x+4*x^5-3*x^2+6*x^3-5*x^4)/(2*x^2-x+1)/(x^4-x^3+1)$  lgdogf  
A110063 16.3055 [  $-(2*x^2-x+3)/(x^4-x^3+1)$  ogf]  
A110063 18.1731  $-(1-4*x+4*x^5-9*x^2+14*x^3-5*x^4)/(2*x^2-x+3)/(x^4-x^3+1)$  lgdogf  
A110064 18.4738 [  $-(4*x-1)/(x^4-x^3+1)$  ogf]  
A110064 21.9833  $-(-4+3*x^2-12*x^3+12*x^4)/(-1+4*x)/(x^4-x^3+1)$  lgdogf  
A110090 13.5395 [  $-x*(x^3-2*x^2-2*x-1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A110090 13.5442  $-(-2-4*x-8*x^4-10*x^3-3*x^2+3*x^5)/(x-1)/(x^2+x+1)/(x^3-2*x^2-2*x-1)$  lgdogf  
A110091 11.5336 [  $(x^5-x^4+x^3+x^2+x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A110091 11.7513  $-(1+2*x-2*x^6+3*x^5+9*x^4+x^3+x^7+9*x^2)/(x-1)/(x^5-x^4+x^3+x^2+x+1)/(x^2+x+1)$  lgdogf  
A110111 8.52414  $-(-7-168*x+2916*x^3+567*x^2)/(27*x^2+10*x-1)/(27*x^2-3*x-1)$  lgdogf  
A110111 9.47398 [  $x/(27*x^2+10*x-1)/(27*x^2-3*x-1)$  ogf]  
A110118 5.13258 [  $(x^2+1)*(x^{13}+x^{12}+x^{10}+x^9+x^8+x^6+x^5+x^4+x^2+x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf]  
A110122 8.30165  $-1/2*((5*x^2+2*x+1)^{1/2}+3*(5*x^2+2*x+1)^{1/2}*x-1-4*x-7*x^2)/x/(1+x)$  revogf  
A110151 4.35259 [  $x*(2*x^6+2*x^4+4*x^3-5*x^2+3*x-1)/(x-1)/(x^4-2*x^3+2*x^2+1)/(2*x^4-4*x^3+3*x^2-3*x+1)$  ogf]  
A110158 10.3170  $-(3*x+1)*(4*x^3-4*x^2-4*x+3)/(x-1)/(1+x)/(2*x^3-2*x^2-2*x+1)$  lgdogf  
A110158 8.97128 [  $x^4/(x+1)/(2*x^3-2*x^2-2*x+1)/(x-1)^2$  ogf]  
A110159 19.2781  $-(11+31*x+12*x^2)/(x-1)/(3*x^2+5*x+1)$  lgdogf  
A110159 3.60037 [  $\{(n+4)*a(n+4)+(1+4*n)*a(n+3)+(-35-2*n)*a(n+2)+(-15-3*n)*a(n+1), a(0) = 1, a(1) = 11, a(2) = 54, a(3) = 179\}$ , ogf]  
A110159 8.26448 [  $(3*x^2+5*x+1)/(x-1)^6$  ogf]  
A110161 12.5569 [  $-x*(x-1)*(x+1)/(x^4-x^2+1)$  ogf]  
A110161 15.8130 [  $x^{11}-x^3*(x^2+1)$  ogf\_with\_Euler\_transform]  
A110161 27.0884  $-2*x^3*(-2+x^2)/(x-1)/(x+1)/(x^4-x^2+1)$  lgdogf  
A110161 6.46132 [  $\{a(n+4)-a(n+2)+a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 0\}$ , ogf]  
A110164 17.7384 [  $-(x-1)*(x+1)/(2*x+1)$  ogf]  
A110164 24.8139  $2*(1+x+x^2)/(x-1)/(2*x+1)/(x+1)$  lgdogf  
A110164 8.65802 [  $\{a(n+3)+2*a(n+2), a(0) = 1, a(1) = -2, a(2) = 3\}$ , ogf]  
A110170 30.7032  $-2*(x+1)/(x-1)/(x^2+1-6*x)$  lgdogf  
A110170 4.77152 [  $\{(n+3)*a(n+3)+(-16-7*n)*a(n+2)+(5+7*n)*a(n+1)-n*a(n), a(0) = 1, a(1) = 2, a(2) = 10\}$ , ogf]  
A110185 12.3326 [  $x*(4*x^3+3*x^2+12*x+1)/(x+1)^2/(x-1)^2$  ogf]  
A110185 13.7250  $-2*(6+5*x+2*x^4+3*x^3+24*x^2)/(x-1)/(x+1)/(4*x^3+3*x^2+12*x+1)$  lgdogf  
A110185 4.27368 [  $\{(8*n^2+12*n)*a(n)+(2*n^2+9*n+10)*a(n+1)+(-8*n^2+4*n)*a(n+2)+(-2*n^2-5*n-2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 12\}$ , ogf]

A110198 12.6274  $-(2-2*x+3*x^4-7*x^3+x^2)/(x-1)/(x^2+x+1)/(x^2-3*x+1)$  lgdogf  
A110199 3.70211  $[ \{ (-4*n-12)*a(n+1)+(4*n+12)*a(n+2)+(n+6)*a(n+3)+(-n-6)*a(n+4),$   
 $a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 2 \},$  ogf]  
A110202 6.87670  $[ -x*(32*x^2-38*x+9)/(2*x-1)/(4*x-1)^2/(x-1)^2$  ogf]  
A110202 8.03670  $-2*(35-270*x+384*x^4-896*x^3+756*x^2)/(x-1)/(2*x-1)/(4*x-1)/$   
 $(32*x^2-38*x+9)$  lgdogf  
A110203 3.79092  $[ x^2*(576*x^4-1360*x^3+1140*x^2-396*x+49)/(2*x-1)^2/(4*x-1)^3/$   
 $(x-1)^3$  ogf]  
A110206 4.18199  $[ \{ a(n+3)-28*a(n+2)+224*a(n+1)-512*a(n), a(0) = 1, a(1) = 36,$   
 $a(2) = 784 \},$  ogf]  
A110206 8.04506  $-4*(9-112*x+2048*x^3-64*x^2)/(16*x-1)/(8*x-1)/(1+8*x)/(4*x-1)$   
lgdogf  
A110206 8.65240  $[ -(8*x+1)/(16*x-1)/(8*x-1)/(4*x-1)$  ogf]  
A110210 16.0944  $-(-1+18*x^2+48*x^3)/(x-1)/(1+4*x)/(6*x^2+6*x+1)$  lgdogf  
A110210 16.1659  $[ (4*x+1)/(x-1)/(6*x^2+6*x+1)$  ogf]  
A110210 7.73901  $[ \{ a(n+3)+5*a(n+2)-6*a(n), a(0) = -1, a(1) = 1, a(2) = -5 \},$  ogf]  
A110211 15.4169  $-3*(-1+8*x^3+6*x^2)/(x-1)/(2*x+1)/(6*x^2+6*x+1)$  lgdogf  
A110211 15.5371  $[ (2*x+1)/(x-1)/(6*x^2+6*x+1)$  ogf]  
A110211 7.35969  $[ \{-a(n+3)-5*a(n+2)+6*a(n), a(0) = -1, a(1) = 3, a(2) = -15 \},$   
ogf]  
A110212 23.3388  $-(-5+18*x^2)/(x-1)/(6*x^2+6*x+1)$  lgdogf  
A110212 24.8764  $[ 1/(x-1)/(6*x^2+6*x+1)$  ogf]  
A110212 7.59386  $[ \{-a(n+3)-5*a(n+2)+6*a(n), a(0) = -1, a(1) = 5, a(2) = -25 \},$   
ogf]  
A110213 16.2434  $[ (2*x-1)/(x-1)/(6*x^2+6*x+1)$  ogf]  
A110213 16.4430  $-(-7-18*x^2+24*x^3)/(x-1)/(2*x-1)/(6*x^2+6*x+1)$  lgdogf  
A110213 7.69423  $[ \{-a(n+3)-5*a(n+2)+6*a(n), a(0) = 1, a(1) = -7, a(2) = 35 \},$  ogf]  
A110224 7.53332  $-(-2+6*x+x^6+6*x^5-9*x^2+8*x^3+18*x^4)/(x+1)/(x^2+2*x-1)/$   
 $(x^2+4*x-1)/(x^2-x-1)$  lgdogf  
A110224 7.69621  $[ -(x+1)*(x^2+2*x-1)/(x^2+4*x-1)/(x^2-x-1)$  ogf]  
A110225 6.89958  $[ (x^8-2*x^7-2*x^6+3*x^5-8*x^3+2*x^2+3*x-1)/(x-1)/(x+1)/$   
 $(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A110241 5.10577  $[ \{-a(n+3)+6*a(n+2)+24*a(n+1)-64*a(n), a(0) = 1, a(1) = 2, a(2) =$   
 $28 \},$  ogf]  
A110241 7.66907  $-2*(1+16*x-120*x^2+256*x^3+256*x^4)/(4*x+1)/(-1+8*x)/(-1+2*x)/$   
 $(8*x^2+4*x-1)$  lgdogf  
A110241 9.32005  $[ -(8*x^2+4*x-1)/(4*x+1)/(8*x-1)/(2*x-1)$  ogf]  
A110269 13.8954  $-((2*x+1)*(3*x^4+6*x^3+5*x^2+2*x+2))/(x-1)/(1+x)/(x^2+x+1)/$   
 $(3*x^2+4*x+2)$  lgdogf  
A110269 13.9619  $[ -x*(3*x^2+4*x+2)/(x-1)/(x+1)/(x^2+x+1)$  ogf]  
A110270 14.7892  $[ -x*(2*x^4+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A110270 15.1981  $-2*x^3*(4+3*x^2+2*x^6)/(x-1)/(1+x)/(x^2+x+1)/(x^2-x+1)/(1+2*x^4)$   
lgdogf  
A110272 6.95971  $[ -x*(x^2+4*x-1)/(x^2+14*x-1)/(x^2-2*x-1)$  ogf]  
A110272 7.12694  $-2*(4+29*x+x^5+46*x^3+12*x^4-72*x^2)/(x^2+14*x-1)/(x^2+4*x-1)/$   
 $(x^2-2*x-1)$  lgdogf  
A110273 6.03744  $-((9+50*x+x^6+10*x^5+92*x^3+99*x^4-69*x^2)/(x+1)/(x^2+14*x-1)/$   
 $(x^2+4*x-1)/(x^2-2*x-1)$  lgdogf  
A110273 6.48096  $[ -(x+1)*(x^2+4*x-1)/(x^2+14*x-1)/(x^2-2*x-1)$  ogf]  
A110274 6.35379  $[ (8*x^4+28*x^3+6*x^2-7*x-16)/(x-1)/(x^2+x+1)/(4*x^2-8*x+1)$  ogf]  
A110275 6.39965  $[ -(40*x^4-36*x^3-10*x^2-39*x+48)/(x-1)/(x^2+x+1)/(4*x^2-8*x+1)$   
ogf]  
A110276 7.19737  $-1/2*(-(x^2-6*x+1)^(1/2)+8*x*(x^2-6*x+1)^(1/2)+1-3*x-4*x^2)/x/$   
 $(-1+4*x)/(x^2-6*x+1)^(1/2)$  lgdogf  
A110286 14.6431  $[ \{ a(n+1)-2*a(n), a(0) = 15 \},$  ogf]  
A110286 29.3210  $-1/2*\ln(15)+1/2*\ln(15+2*x)$  revegf  
A110286 29.8493  $[ -15/(2*x-1)$  ogf]  
A110286 69.3042  $-2/(-1+2*x)$  lgdogf  
A110287 14.7726  $[ \{ a(n+1)-2*a(n), a(0) = 17 \},$  ogf]  
A110287 29.5851  $-1/2*\ln(17)+1/2*\ln(17+2*x)$  revegf  
A110287 30.1135  $[ -17/(2*x-1)$  ogf]



A110287 76.9214  $-2/(2*x-1)$  lgdogf  
A110288 14.8374  $[ \{a(n+1)-2*a(n), a(0) = 19\}, ogf ]$   
A110288 29.7172  $-1/2*\ln(19)+1/2*\ln(19+2*x)$  revegef  
A110288 30.2455  $[ -19/(2*x-1) ogf ]$   
A110288 77.2648  $-2/(2*x-1)$  lgdogf  
A110293 11.4033  $[ -(x^3+x^2-7*x-1)/(x^2-4*x+1)/(x^2+4*x+1) ogf ]$   
A110293 7.98587  $-(7+26*x-7*x^4-4*x^3+x^6+2*x^5+95*x^2)/(x^2-4*x+1)/(x^2+4*x+1)/$   
 $(x^3+x^2-7*x-1)$  lgdogf  
A110294 10.2460  $-2*(4-15*x+x^5-12*x^4+2*x^3+56*x^2)/(x^2+4*x+1)/(x^2-4*x+1)/$   
 $(x^2-8*x+1)$  lgdogf  
A110294 12.0986  $[ (x^2-8*x+1)/(x^2-4*x+1)/(x^2+4*x+1) ogf ]$   
A110303 28.8762  $[-x^{19}+x^{18}+2 ogf\_with\_Euler\_transform]$   
A110307 11.6702  $[ (2*x+1)/(x^2+x+1)/(x^2+5*x+1) ogf ]$   
A110308 10.7076  $[ -x*(x+2)/(x^2+x+1)/(x^2+5*x+1) ogf ]$   
A110308 12.4930  $-(11+28*x+3*x^4+20*x^3+43*x^2)/(x+2)/(x^2+x+1)/(x^2+5*x+1)$   
lgdogf  
A110309 10.1790  $[ (x^2+3*x+1)/(x^2+x+1)/(x^2+5*x+1) ogf ]$   
A110309 10.3968  $-(3+12*x+2*x^5+15*x^4+40*x^3+33*x^2)/(x^2+x+1)/(x^2+3*x+1)/$   
 $(x^2+5*x+1)$  lgdogf  
A110310 10.6396  $[ (x^2-x+1)/(x^2+x+1)/(x^2+5*x+1) ogf ]$   
A110310 11.6854  $-(7+12*x+2*x^5+5*x^2-8*x^3+3*x^4)/(x^2+x+1)/(x^2+5*x+1)/(x^2-x$   
 $+1)$  lgdogf  
A110311 16.1727  $[ 1/(x^2+x+1)/(x^2+5*x+1) ogf ]$   
A110311 17.1181  $-2*(3+7*x+9*x^2+2*x^3)/(x^2+x+1)/(x^2+5*x+1)$  lgdogf  
A110313 25.0277  $2+x-x^2+(x^2-1*x)*f(x)$  lgdegf  
A110315 7.76658  $[ -(x^2+2*x-1)*(x^2-x-1)/(x-1)^3/(x+1)^3 ogf ]$   
A110322 18.9480  $(2*x+1)*(x-2)/(x+1)/(2*x-1)$  lgdegf  
A110325 13.2002  $[ (2*x^2+3*x-1)/(x-1)^3 ogf ]$   
A110325 32.3890  $-2*x*(x+5)/(x-1)/(2*x^2+3*x-1)$  lgdogf  
A110325 7.25414  $[ \{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 1, a(1) = 0, a(2) =$   
 $-5\}, ogf ]$   
A110326 10.0680  $[ -(x^4+x^3-6*x^2-x+1)/(x-1)^3/(x+1)^3 ogf ]$   
A110326 15.6924  $-(1-6*x+2*x^5-2*x^2-20*x^3+3*x^4)/(x-1)/(x+1)/(x^4+x^3-6*x^2-x$   
 $+1)$  lgdogf  
A110328 26.5639  $(-3+x^2)/(-1+2*x+x^2)$  lgdegf  
A110331 13.3393  $[ -(x^2-4*x+1)/(x-1)^3 ogf ]$   
A110331 31.9271  $-(-1-6*x+x^2)/(x-1)/(x^2-4*x+1)$  lgdogf  
A110331 7.26518  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = -1, a(2) =$   
 $-5\}, ogf ]$   
A110332 10.1503  $[ -(x^4+2*x^3-4*x^2-2*x+1)/(x-1)^3/(x+1)^3 ogf ]$   
A110332 15.7072  $-2*(-1+x^5-x+3*x^4-6*x^3-2*x^2)/(x-1)/(x+1)/(x^4+2*x^3-4*x^2-2*x$   
 $+1)$  lgdogf  
A110344 11.3107  $[ -(7*x^3+3*x^2+5*x+1)/(x-1)^3/(x+1)^3 ogf ]$   
A110345 10.1405  $-(3+24*x+18*x^2+44*x^3+3*x^4+4*x^5)/(x-1)/(x+1)/$   
 $(2*x^4+x^3+9*x^2+3*x+1)$  lgdogf  
A110345 9.07875  $[ -(2*x^4+x^3+9*x^2+3*x+1)/(x-1)^3/(x+1)^3 ogf ]$   
A110347 8.98238  $1/27*(-5-18*x+(1+6*x+12*x^2)*(5+30*x+24*x^2)^2)^{(1/2)}/(2*x$   
 $+1)^3$  revegef  
A110349 9.66499  $[ -(x^3+2*x^2+4*x+1)/(x+1)^2/(x-1)^3 ogf ]$   
A110365 14.4249  $2*(1+8*x+28*x^2)/(28*x^2-1)/(20*x^2-2*x-1)$  lgdogf  
A110365 14.6440  $[ 2*(20*x^2-2*x-1)/(28*x^2-1) ogf ]$   
A110365 8.68421  $[ \{a(n+3)-28*a(n+1), a(0) = 2, a(1) = 4, a(2) = 16\}, ogf ]$   
A110369 10.9512  $[ (11*x-2)/(10*x-1)/(x-1)^2 ogf ]$   
A110369 14.5820  $-(13-71*x+220*x^2)/(x-1)/(11*x-2)/(10*x-1)$  lgdogf  
A110369 5.29001  $[ \{a(n+3)-12*a(n+2)+21*a(n+1)-10*a(n), a(0) = 2, a(1) = 13, a(2)$   
 $= 114\}, ogf ]$   
A110371 15.8831  $4/(1-4*x)^{(1/2)}/(1+(1-4*x)^{(1/2)})$  lgdegf  
A110371 6.22465  $[ \{(4*n^2+18*n+20)*a(n+1)+(-n-4)*a(n+2), a(0) = 2, a(1) = 4\},$   
 $ogf ]$   
A110388 8.64934  $[ -(8*x^9+7*x^8+3*x^7+3*x^6+5*x^5+4*x^4+6*x^3+6*x^2+2*x+1)/$   
 $(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) ogf ]$

A110391 12.8800 [  $-(4*x^2-2*x-1)/(x^2-3*x+1)/(x+1)$  ogf]  
A110391 14.4878  $-(2*x^2-x+2)^2/(1+x)/(x^2-3*x+1)/(4*x^2-2*x-1)$  lgdogf  
A110391 7.01497 [  $\{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 6\}$ , ogf]  
A110395 11.5615  $2*(9+60*x+100*x^2+50*x^3)/(x+1)/(10*x^2+10*x+1)$  lgdegf  
A110395 4.01152 [  $\{(-10*n^2-70*n-120)*a(n+1)+(n^2-3*n-28)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 18, a(2) = 246\}$ , ogf]  
A110397 7.83725 [  $-(9900*x^{11}-19800*x^{10}+9900*x^9+100*x^2-201*x+99)/(x-1)^3$  ogf]  
A110400 6.52884 [  $-(200*x^4+300*x^3+79*x^2-11*x-1)/(x-1)/(10*x-1)/(x+1)$  ogf]  
A110422 16.6323  $-2*(x+1)*(5*x^4-11*x^3+12*x^2-5*x+1)/(x-1)/(x^2+1)/(2*x^3-x^2+1)$  lgdogf  
A110422 9.02464 [  $(2*x^3-x^2+1)/(x-1)^2/(x^2+1)^3$  ogf]  
A110426 10.0861 [  $(2*x^2+2*x-1)/(x-1)^5$  ogf]  
A110426 24.8252  $-3*(-1+4*x+2*x^2)/(x-1)/(2*x^2+2*x-1)$  lgdogf  
A110426 4.37801 [  $\{(n+4)*a(n+4)+(-12-3*n)*a(n+3)+12*a(n+2)+(8+2*n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 3, a(3) = -5\}$ , ogf]  
A110427 11.5561 [  $-(x^2+3*x-1)/(x-1)^4$  ogf]  
A110427 27.5453  $-(-1+11*x+2*x^2)/(x-1)/(x^2+3*x-1)$  lgdogf  
A110427 4.00690 [  $\{(n+4)*a(n+4)+(-13-4*n)*a(n+3)+(15+2*n)*a(n+2)+(n+3)*a(n+1), a(0) = 1, a(1) = 1, a(2) = -3, a(3) = -14\}$ , ogf]  
A110430 11.3495 [  $(5*x^2-x+5)/(10*x-1)/(x-1)$  ogf]  
A110430 13.6099  $-9*(-6+10*x+5*x^2)/(x-1)/(10*x-1)/(5*x^2-x+5)$  lgdogf  
A110430 5.83384 [  $\{-a(n+3)+11*a(n+2)-10*a(n+1), a(0) = 5, a(1) = 54, a(2) = 549\}$ , ogf]  
A110431 16.4269 [  $(5*x-6)/(10*x-1)$  ogf]  
A110431 19.7562  $3/5+x-1/5*(9+25*x+25*x^2)^{1/2}$  revogf  
A110431 32.2339  $55/(10*x-1)/(5*x-6)$  lgdogf  
A110431 8.43542 [  $\{a(n+2)-10*a(n+1), a(0) = 6, a(1) = 55\}$ , ogf]  
A110450 35.2149 [  $[7-2*x]$  ogf\_with\_Euler\_transform]  
A110450 36.7311  $-(7+3*x)/(x-1)/(x+1)$  lgdogf  
A110450 5.56248 [  $\{(n+2)*a(n+3)-7*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 21\}$ , ogf]  
A110450 8.98039 [  $-3*x*(x+1)^2/(x-1)^5$  ogf]  
A110451 10.0032 [  $x*(3*x^2+14*x+7)/(x-1)^4$  ogf]  
A110451 20.8402  $-6*(x+7)*(x+1)/(x-1)/(3*x^2+14*x+7)$  lgdogf  
A110451 3.66455 [  $\{(21+7*n)*a(n+4)+(-28+7*n)*a(n+3)+(-59-11*n)*a(n+2)+(-6-3*n)*a(n+1), a(0) = 0, a(1) = 7, a(2) = 42, a(3) = 129\}$ , ogf]  
A110452 50.5361 1] lgdogf  
A110468 3.90495 [  $\{(-4*n^3-26*n^2-56*n-40)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 3\}$ , ogf]  
A110485 4.26552 [  $(x^{15}-x^{14}+x^{13}-x^{12}+3*x^{11}-11*x^{10}-3*x^9+x^8-3*x^7-11*x^6+3*x^5+x^4-x^3-x^2-x-1)/(x-1)^5/(x+1)^5/(x^2+1)^5$  ogf]  
A110491 31.2438  $-2/(2*x-1)/(2*x+1)$  lgdegf  
A110491 5.62908 [  $\{(-4*n^2-4*n)*a(n)+a(n+2)-2*a(n+1), a(0) = 1, a(1) = 2\}$ , ogf]  
A110508 7.44139  $-1/2*(-4*x+24*x^3+29*x^2+(-(-1+8*x)*(x^2-10*x-2)^2)^{1/2})/(-1+8*x)/(x^3+2*x^2+1)$  lgdogf  
A110512 14.0997 [  $(x+1)/(2*x^2+x+1)$  ogf]  
A110512 17.2455  $-1/2*(x-1+(-7*x^2+2*x+1)^{1/2})/(-1+2*x)$  revogf  
A110512 24.6364  $-2*x*(x+2)/(x+1)/(2*x^2+x+1)$  lgdogf  
A110512 7.83317 [  $\{-a(n+2)-a(n+1)-2*a(n), a(0) = 1, a(1) = 0\}$ , ogf]  
A110513 18.4938 [  $(x+1)/(x^3+2*x+1)$  ogf]  
A110513 25.8254  $-(1+3*x^2+2*x^3)/(x+1)/(x^3+2*x+1)$  lgdogf  
A110513 8.85341 [  $\{-a(n+3)-2*a(n+2)-a(n), a(0) = 1, a(1) = -1, a(2) = 2\}$ , ogf]  
A110514 13.1303 [  $(x^3+x^2-x+1)/(x^2+1)/(x+1)^2/(x-1)^2$  ogf]  
A110514 16.3288  $-(-1+4*x+4*x^5+3*x^6+x^2+8*x^3-3*x^4)/(x-1)/(x+1)/(x^2+1)/(x^3+x^2-x+1)$  lgdogf  
A110516 13.6610 [  $-(x^3+x^2-x+1)/(x^2+1)/(x-1)/(x+1)^2$  ogf]  
A110516 17.0359  $-2*(x^2+2*x-1)*(x^4-x^3+x^2+1)/(x-1)/(x+1)/(x^2+1)/(x^3+x^2-x+1)$  lgdogf  
A110520 12.3016  $-2*(-1+12*x+2*(1-12*x)^{1/2})/(4*x+1)/(-1+12*x)$  lgdogf

A110520 17.5205  $1/3*(2-2*x+(1-8*x+4*x^2)^{(1/2)})*x$  revogf  
A110520 3.85725  $[{(48*n+72)*a(n+1)+(8*n+6)*a(n+2)+(-n-3)*a(n+3)}, a(0) = 1, a(1) = 2, a(2) = 10]$ , ogf]  
A110521 6.92988  $-1/2*(-4*x+45*x^2+36*x^3+(-(-1+12*x)*(x^2-16*x-4)^2)^{(1/2)})/(-1+12*x)/(x^3+2*x^2+2)$  lgdogf  
A110523 10.2670  $[{-a(n+2)-a(n+1)-3*a(n)}, a(0) = 1, a(1) = 0]$ , ogf]  
A110523 18.4806  $[(x+1)/(3*x^2+x+1)$  ogf]  
A110523 21.7133  $-1/2*(x-1+(-11*x^2+2*x+1)^{(1/2)})/(-1+3*x)$  revogf  
A110523 31.7945  $-3*x*(x+2)/(x+1)/(1+3*x^2+x)$  lgdogf  
A110524 17.4057  $[(x+1)/(2*x^3+2*x+1)$  ogf]  
A110524 22.9124  $-(1+6*x^2+4*x^3)/(x+1)/(2*x^3+2*x+1)$  lgdogf  
A110524 8.33252  $[{-a(n+3)-2*a(n+2)-2*a(n)}, a(0) = 1, a(1) = -1, a(2) = 2]$ , ogf]  
A110525 7.23074  $1/2*(-1+12*x+3*x^2-36*x^3+(-(-1+12*x)*(x^2-18*x+1)^2)^{(1/2)})/(-1+12*x)/(x^3-x+3)$  lgdogf  
A110526 13.8422  $[-x/(x+1)/(x^2+4*x-1)$  ogf]  
A110526 19.1676  $-(x+3)*(3*x+1)/(x+1)/(x^2+4*x-1)$  lgdogf  
A110526 5.61169  $[{-a(n+3)+3*a(n+2)+5*a(n+1)+a(n)}, a(0) = 0, a(1) = 1, a(2) = 3]$ , ogf]  
A110527 10.2866  $[-x*(5*x+1)/(x+1)/(x^2+4*x-1)$  ogf]  
A110527 5.28232  $[{-a(n+3)+3*a(n+2)+5*a(n+1)+a(n)}, a(0) = 0, a(1) = 1, a(2) = 8]$ , ogf]  
A110528 5.09751  $[{-a(n+3)+3*a(n+2)+5*a(n+1)+a(n)}, a(0) = 1, a(1) = 10, a(2) = 37]$ , ogf]  
A110528 9.52649  $[-(2*x^2+7*x+1)/(x+1)/(x^2+4*x-1)$  ogf]  
A110532 10.0590  $[x^2*(2*x^4+2*x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A110533 4.53981  $[-x^5*(x^{11}+x^{10}+x^9+x^8+x^7+3*x^6+4*x^5+x^4+x^3+x^2+3*x+2)/(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)^2/(x+1)^2/(x-1)^3$  ogf]  
A110549 7.08773  $-(2+4*x+x^{12}+7*x^{10}-4*x^7+16*x^8+2*x^{11}-x^2+10*x^3+x^4+6*x^6-4*x^9)/(x-1)/(1+x^2)/(x^2-x+1)/(x^4+2*x^3+4*x^2+2*x+1)/(x^4+1)$  lgdogf  
A110549 7.60725  $[-(x^2-x+1)*(x^4+2*x^3+4*x^2+2*x+1)/(x^4+1)/(x^2+1)/(x-1)$  ogf]  
A110550 10.2564  $-(3-2*x+4*x^7+x^8+7*x^2-4*x^3-4*x^4+10*x^5-5*x^6)/(x-1)/(x^2+3*x+1)/(x^2-x+1)/(x^4+1)$  lgdogf  
A110550 11.5591  $[-(x^2+3*x+1)*(x^2-x+1)/(x-1)/(x^4+1)$  ogf]  
A110551 13.4994  $[-(x^2+x+1)/(x-1)/(x^2-x+1)$  ogf]  
A110551 16.7805  $-(3-2*x+2*x^3+x^4-x^2)/(x-1)/(1+x^2+x)/(x^2-x+1)$  lgdogf  
A110551 24.8915  $[x^5-2*x^2-x+3$  ogf\_with\_Euler\_transform]  
A110551 7.35237  $[{a(n+3)-2*a(n+2)+2*a(n+1)-a(n)}, a(0) = 1, a(1) = 3, a(2) = 5]$ , ogf]  
A110556 6.63894  $[{(-4*n-2)*a(n)+(-n-1)*a(n+1)}, a(0) = 1, a(1) = -1]$ , ogf]  
A110568 7.70055  $[-(x^4-x^3+3*x^2-x+1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A110568 9.98251  $-x*(4-2*x^6+9*x^5-8*x^4-2*x+7*x^3+x^7)/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^3+3*x^2-x+1)$  lgdogf  
A110569 8.85446  $[-(x^2+1)*(2*x^2-x+2)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A110569 9.36588  $-(1+4*x+11*x^6-8*x^5+2*x^8-2*x^7+10*x^4)/(x-1)/(x^2+1)/(1+x^2+x)/(2*x^2-x+2)/(x^2-x+1)$  lgdogf  
A110591 11.5267  $[-(x^{52}+x^{48}-x^{16}-x^4-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x^8-x^4+1)/(x-1)^2$  ogf]  
A110592 11.0532  $(-1-5*x^4+4*x^5-25*x^{24}+24*x^{25})/(x-1)/(x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x^{15}-x^{10}+1)$  lgdogf  
A110592 19.8259  $[-(x^2+x+1)*(x^8-x^7+x^5-x^4+x^3-x+1)*(x^{15}-x^{10}+1)/(x-1)$  ogf]  
A110593 18.0516  $[3*(x-1)/(3*x-1)$  ogf]  
A110593 19.8448  $1/2+1/2*x-1/6*(9+6*x+9*x^2)^{(1/2)}$  revogf  
A110593 40.9299  $2/(-1+3*x)/(x-1)$  lgdogf  
A110593 9.27653  $[{a(n+2)-3*a(n+1)}, a(0) = 3, a(1) = 6]$ , ogf]  
A110594 17.0333  $[4*(x-1)/(4*x-1)$  ogf]  
A110594 21.2997  $1/2+1/2*x-1/2*(1+x+x^2)^{(1/2)}$  revogf  
A110594 38.6057  $3/(-1+4*x)/(x-1)$  lgdogf  
A110594 8.63333  $[{a(n+2)-4*a(n+1)}, a(0) = 4, a(1) = 12]$ , ogf]  
A110595 15.6340  $1/2+1/2*x-1/10*(25+30*x+25*x^2)^{(1/2)}$  revogf  
A110595 15.9632  $[5*(x-1)/(5*x-1)$  ogf]

A110595 38.5639  $4/(5*x-1)/(x-1)$  lgdogf  
A110595 8.09092  $[ \{a(n+2)-5*a(n+1), a(0) = 5, a(1) = 20\}, ogf]$   
A110609 4.09180  $[ \{ (8*n^2+28*n+24)*a(n+1)+(2*n^2+20*n+42)*a(n+2)+(-n^2-6*n-8)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 8 \}, ogf]$   
A110610 15.1795  $-(-4-2*x+3*x^3-5*x^2)/(x-1)/(1+x)/(x^3-2*x^2+x-1)$  lgdogf  
A110610 9.36725  $[ -(x+1)*(x^3-2*x^2+x-1)/(x-1)^4$  ogf]  
A110611 13.6906  $-(4+10*x+x^5+x^3-x^4+x^2)/(x-1)/(x+1)/(x^4-2*x^3+x^2+x+1)$  lgdogf  
A110611 8.55475  $[ (x^4-2*x^3+x^2+x+1)/(x+1)/(x-1)^4$  ogf]  
A110613 10.1758  $-x*(-6+40*x^3-80*x^2+39*x)/(2*x-1)/(4*x-1)/(x+1)/(5*x^2-5*x+1)$  lgdogf  
A110613 10.5009  $[ (5*x^2-5*x+1)/(4*x-1)/(2*x-1)/(x+1)$  ogf]  
A110613 5.77078  $[ \{-a(n+3)+5*a(n+2)-2*a(n+1)-8*a(n), a(0) = 1, a(1) = 0, a(2) = 3\}, ogf]$   
A110614 11.2934  $-(5-20*x+64*x^4+16*x^2)/(4*x-1)/(-1+2*x)/(1+x)/(8*x^2-1)$  lgdogf  
A110614 13.4325  $[ -(8*x^2-1)/(4*x-1)/(2*x-1)/(x+1)$  ogf]  
A110614 6.77570  $[ \{a(n+3)-5*a(n+2)+2*a(n+1)+8*a(n), a(0) = 1, a(1) = 5, a(2) = 15\}, ogf]$   
A110622 4.26552  $[ -(x^15-x^14-x^13+x^12+11*x^11-3*x^10+3*x^9-x^8+11*x^7+3*x^6-3*x^5-x^4+x^3+x^2+x+1)/(x-1)^5/(x+1)^5/(x^2+1)^5$  ogf]  
A110650 4.32704  $[ (x^15+x^14-x^13-x^12+3*x^11-3*x^10-11*x^9+x^8-3*x^7+3*x^6-11*x^5+x^4-x^3-x^2-x-1)/(x-1)^5/(x+1)^5/(x^2+1)^5$  ogf]  
A110651 4.18598  $[ (x^15+x^14-x^13-x^12-3*x^11+3*x^10-11*x^9+x^8+3*x^7-3*x^6-11*x^5+x^4-x^3-x^2-x-1)/(x-1)^5/(x+1)^5/(x^2+1)^5$  ogf]  
A110652 4.18598  $[ (x^15-x^14+x^13-x^12-3*x^11-11*x^10+3*x^9+x^8+3*x^7-11*x^6-3*x^5+x^4-x^3-x^2-x-1)/(x-1)^5/(x+1)^5/(x^2+1)^5$  ogf]  
A110653 4.30653  $[ -(x^15-x^14-x^13+x^12+11*x^11+3*x^10-3*x^9-x^8+11*x^7-3*x^6+3*x^5-x^4+x^3+x^2+x+1)/(x-1)^5/(x+1)^5/(x^2+1)^5$  ogf]  
A110654 20.3063  $[ x/(x-1)^2/(x+1)$  ogf]  
A110654 43.3805  $[ [1+x]$  ogf\_with\_Euler\_transform]  
A110654 45.0396  $-(1+3*x)/(x-1)/(x+1)$  lgdogf  
A110654 8.23229  $[ \{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 1\}, ogf]$   
A110655 20.6626  $[ x/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A110655 21.8238  $-a(n+4)+a(n), a(0)=1, a(1)=1, a(2)=1, a(3)=5$  lgdogf  
A110655 37.0892  $[ [x^3+1]$  ogf\_with\_Euler\_transform]  
A110656 15.7501  $-(1+x+x^2+x^3+x^4+x^5+x^6+9*x^7)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  lgdogf  
A110656 21.3030  $[ x/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A110656 38.2552  $[ [x^7+1]$  ogf\_with\_Euler\_transform]  
A110657 12.3865  $-(2-5*x^5-2*x+2*x^6+3*x^4+5*x^3+3*x^2)/(x-1)/(x+1)/(x^2+1)/(x^3-2*x^2+x+1)$  lgdogf  
A110657 12.6769  $[ x*(x^3-2*x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A110658 8.71145  $[ (x^6-2*x^4+x^2+1)*(x^2-x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A110659 13.2840  $-x^2*(-x^3-3*x^4+3*x^2-2*x+x^5-6)/(x-1)/(x+1)/(x^2+1)/(x^4-2*x^3+x-1)$  lgdogf  
A110659 13.4118  $[ -(x^4-2*x^3+x-1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A110660 13.7789  $[ -2*x^2/(x+1)^2/(x-1)^3$  ogf]  
A110660 39.8529  $[ [1+2*x]$  ogf\_with\_Euler\_transform]  
A110660 41.6195  $-(1+5*x)/(x-1)/(x+1)$  lgdogf  
A110660 6.36751  $[ \{(-1-n)*a(n+3)+a(n+2)+(4+n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 2\}, ogf]$   
A110665 12.3371  $[ -(2*x-1)*x/(x^2-x+1)^2$  ogf]  
A110666 12.3485  $[ (2*x-1)*x/(x-1)/(x^2-x+1)^2$  ogf]  
A110666 24.4957  $-(-1+9*x-15*x^2+8*x^3)/(x-1)/(2*x-1)/(x^2-x+1)$  lgdogf  
A110667 10.2987  $[ -(2*x-1)*x/(x-1)^2/(x^2-x+1)^2$  ogf]  
A110667 23.3122  $-2*(-1+6*x-9*x^2+5*x^3)/(x-1)/(2*x-1)/(x^2-x+1)$  lgdogf  
A110668 21.4726  $-3*(-1+5*x-7*x^2+4*x^3)/(x-1)/(2*x-1)/(x^2-x+1)$  lgdogf  
A110668 8.83581  $[ (2*x-1)*x/(x^2-x+1)^2/(x-1)^3$  ogf]

A110669 20.2935  $-2*(-2+9*x-12*x^2+7*x^3)/(x-1)/(2*x-1)/(x^2-x+1)$  lgdogf  
A110669 8.07776  $[-(2*x-1)*x/(x^2-x+1)^2/(x-1)^4$  ogf]  
A110670 19.0777  $-(-5+21*x-27*x^2+16*x^3)/(x-1)/(2*x-1)/(x^2-x+1)$  lgdogf  
A110670 7.13861  $[(2*x-1)*x/(x^2-x+1)^2/(x-1)^5$  ogf]  
A110671 19.1939  $-6*(4*x-5*x^2+3*x^3-1)/(x-1)/(2*x-1)/(x^2-x+1)$  lgdogf  
A110671 6.26351  $[-(2*x-1)*x/(x^2-x+1)^2/(x-1)^6$  ogf]  
A110672 18.2051  $-(-7+27*x-33*x^2+20*x^3)/(x-1)/(2*x-1)/(x^2-x+1)$  lgdogf  
A110672 5.69313  $[(2*x-1)*x/(x^2-x+1)^2/(x-1)^7$  ogf]  
A110678 13.8080  $[-2*(36*x^2-73*x+36)/(x-1)^3$  ogf]  
A110678 26.6264  $-(35-74*x+36*x^2)/(x-1)/(36*x^2-73*x+36)$  lgdogf  
A110678 7.80452  $[{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 72, a(1) = 70, a(2) = 66}]$ , ogf]  
A110679 13.6043  $[(x-1)/(x+1)/(x^2+4*x-1)$  ogf]  
A110679 13.7087  $-2*(-1-5*x+x^2+x^3)/(x-1)/(x+1)/(x^2+4*x-1)$  lgdogf  
A110679 6.38079  $[{-a(n+3)+3*a(n+2)+5*a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 11}]$ , ogf]  
A110683 6.49908  $[(7*x^2+3*x-1)*(2*x^2+2*x+1)/(x-1)/(3*x^2+3*x+1)/(2*x^3+2*x^2+4*x+1)$  ogf]  
A110684 6.46901  $[(4*x^4-4*x^3-12*x^2-8*x-1)/(x-1)/(3*x^2+3*x+1)/(2*x^3+2*x^2+4*x+1)$  ogf]  
A110685 6.15375  $[(4*x^4-4*x^3-2*x^2+4*x+1)/(x-1)/(3*x^2+3*x+1)/(2*x^3+2*x^2+4*x+1)$  ogf]  
A110686 5.56222  $-((4+20*x+144*x^8+724*x^6+596*x^5+290*x^4+68*x^3+576*x^7+35*x^2)/(2*x+1)/(x-1)/(4*x^2+8*x+1)/(2*x^3+2*x^2+4*x+1)/(3*x^2+3*x+1)$  lgdogf  
A110686 6.94071  $[(2*x+1)*(4*x^2+8*x+1)/(x-1)/(3*x^2+3*x+1)/(2*x^3+2*x^2+4*x+1)$  ogf]  
A110687 5.69691  $-2*(-4-28*x+42*x^8+79*x^6-94*x^5-204*x^4-172*x^3+120*x^7-90*x^2)/(3*x^2+3*x+1)/(2*x^2+2*x+1)/(7*x^2+3*x-1)/(2*x^3+2*x^2+4*x+1)$  lgdogf  
A110687 6.99049  $[-(7*x^2+3*x-1)*(2*x^2+2*x+1)/(3*x^2+3*x+1)/(2*x^3+2*x^2+4*x+1)$  ogf]  
A110688 7.08153  $[-(2*x+1)*(6*x^2+4*x+1)/(3*x^2+3*x+1)/(2*x^3+2*x^2+4*x+1)$  ogf]  
A110689 6.18139  $-3*(-1-2*x+152*x^6+240*x^5+218*x^4+112*x^3+32*x^7+22*x^2)/(2*x+1)/(4*x^2+8*x+1)/(2*x^3+2*x^2+4*x+1)/(3*x^2+3*x+1)$  lgdogf  
A110689 7.47496  $[(2*x+1)*(4*x^2+8*x+1)/(3*x^2+3*x+1)/(2*x^3+2*x^2+4*x+1)$  ogf]  
A110690 10.1372  $-((22+166*x+5*x^4+100*x^3+265*x^2)/(x-1)/(x^4+16*x^3+31*x^2+13*x+1)$  lgdogf  
A110690 5.01646  $[-(x^4+16*x^3+31*x^2+13*x+1)/(x-1)^9$  ogf]  
A110691 3.73236  $[(x^6+35*x^5+227*x^4+410*x^3+227*x^2+35*x+1)/(x-1)^10$  ogf]  
A110691 6.16916  $-((45+769*x+1537*x^4+3778*x^3+3046*x^2+4*x^6+181*x^5)/(x-1)/(x^6+35*x^5+227*x^4+410*x^3+227*x^2+35*x+1)$  lgdogf  
A110692 5.45791  $[(8*x^4+54*x^3+71*x^2+21*x+1)/(x-1)^8$  ogf]  
A110692 9.69646  $-((29+289*x+32*x^4+302*x^3+588*x^2)/(x-1)/(8*x^4+54*x^3+71*x^2+21*x+1)$  lgdogf  
A110693 3.88428  $[(9*x^5+86*x^4+195*x^3+133*x^2+26*x+1)/(x-1)^10$  ogf]  
A110693 7.00616  $-((36+500*x+1649*x^2+1709*x^3+561*x^4+45*x^5)/(x-1)/(9*x^5+86*x^4+195*x^3+133*x^2+26*x+1)$  lgdogf  
A110694 12.2181  $-((19+113*x+20*x^3+120*x^2)/(x-1)/(4*x^3+18*x^2+11*x+1)$  lgdogf  
A110694 5.80262  $[(4*x^3+18*x^2+11*x+1)/(x-1)^8$  ogf]  
A110706 3.35587  $[{(8*n^2+32*n+32)*a(n+1)+(7*n^2+59*n+120)*a(n+2)+(-n^2-9*n-20)*a(n+3), a(0) = 6, a(1) = 30, a(2) = 174}]$ , ogf]  
A110711 3.23003  $[{(-8*n^2-32*n-32)*a(n+1)+(-7*n^2-43*n-64)*a(n+2)+(n^2+7*n+10)*a(n+3), a(0) = 0, a(1) = 6, a(2) = 42}]$ , ogf]  
A110712 8.58092  $[{-((-4*x^9-3*x^8-x^7-3*x^6-x^5-4*x^4-x^3-3*x^2-x-3)/(x^10-1))}$  ogf\_with\_Euler\_transform]  
A110731 6.95484  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A110803 10.9638  $2*(1+45*x^8-80*x^9+36*x^10)/(-1+x)/(9*x^10-10*x^9-1)$  lgdogf  
A110803 9.92954  $[-(9*x^10-10*x^9-1)/(x-1)^2$  ogf]  
A110807 10.4889  $-2*(11-30*x+100*x^3)/(x-1)/(10*x-1)/(-1+10*x^2)$  lgdogf  
A110807 6.86956  $[-9*x*(10*x^2-1)/(10*x-1)^2/(x-1)^2$  ogf]  
A110822 39.8274  $(15+x)/(x^2+1+30*x)$  lgdogf

A110822 5.04761 [ $\{(n+3)*a(n+3)+(45+30*n)*a(n+2)+n*a(n+1), a(0) = 1, a(1) = 15, a(2) = -112\}$ , ogf]  
A110824 37.1300  $(31+x)/(x^2+1+62*x)$  lgdogf  
A110824 4.72201 [ $\{(n+3)*a(n+3)+(93+62*n)*a(n+2)+n*a(n+1), a(0) = 1, a(1) = 31, a(2) = -480\}$ , ogf]  
A110826 35.4892  $(63+x)/(x^2+1+126*x)$  lgdogf  
A110826 4.67643 [ $\{(n+3)*a(n+3)+(189+126*n)*a(n+2)+n*a(n+1), a(0) = 1, a(1) = 63, a(2) = -1984\}$ , ogf]  
A110828 33.5282  $(127+x)/(x^2+1+254*x)$  lgdogf  
A110828 4.60907 [ $\{(n+3)*a(n+3)+(381+254*n)*a(n+2)+n*a(n+1), a(0) = 1, a(1) = 127, a(2) = -8064\}$ , ogf]  
A110830 17.5836  $(7+35*x+x^3+21*x^2)/(70*x^2+1+28*x+x^4+28*x^3)$  lgdogf  
A110831 12.8097 [ $-(x^2-26*x+31)/(x-1)^3$  ogf]  
A110831 23.2878  $-(67-50*x+x^2)/(x-1)/(x^2-26*x+31)$  lgdogf  
A110831 6.95700 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 31, a(1) = 67, a(2) = 109\}$ , ogf]  
A110832 7.94958  $2*x*(35+x^6+168*x+435*x^2+280*x^3+105*x^4)/(1+140*x^2+448*x^3+870*x^4+448*x^5+140*x^6+x^8)$  lgdogf  
A110834 7.23491  $2*x*(155+8680*x^3+18259*x^2+465*x^4+x^6+5208*x)/(x^2+14*x+1)/(x^6-14*x^5+815*x^4+2492*x^3+815*x^2-14*x+1)$  lgdogf  
A110847 2.87854 [ $\{(2*n^2-59*n+435)*a(n+1)+(-2*n^2-7*n-6)*a(n+2), a(0) = 1, a(1) = 496\}$ , ogf]  
A110851 5.44508 [ $\{(2*n^2-123*n+1891)*a(n+1)+(-2*n^2-7*n-6)*a(n+2), a(0) = 1, a(1) = 2016\}$ , ogf]  
A110886 3.31257 [ $\{(-4*n+2)*a(n)+(-n-5)*a(n+1)+(6*n+10)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 8\}$ , ogf]  
A110906 4.12334 [ $\{a(n+3)-15*a(n+2)+15*a(n+1)-a(n), a(0) = 1, a(1) = 49, a(2) = 841\}$ , ogf]  
A110906 6.63860  $-(49+212*x+121*x^4+68*x^3-2322*x^2)/(x-1)/(121*x^2+34*x+1)/(x^2-14*x+1)$  lgdogf  
A110906 7.30956 [ $-(121*x^2+34*x+1)/(x-1)/(x^2-14*x+1)$  ogf]  
A110907 11.1961  $-4*(3+19*x+28*x^2+19*x^3+3*x^4)/(x-1)/(x+1)/(x^2+6*x+1)/(x^2+4*x+1)$  lgdogf  
A110907 9.56244 [ $-(x^2+6*x+1)*(x^2+4*x+1)/(x+1)/(x-1)^3$  ogf]  
A110935 7.86412 [ $-2*x*(2*x^4-x^3-3*x^2+x+2)/(x^2+x-1)/(x+1)^2/(x-1)^2$  ogf]  
A110935 9.15528  $-(-3-6*x-x^6-10*x^5+2*x^4+12*x^3+4*x^7+6*x^2)/(x-1)/(x+1)/(x^2+x-1)/(2*x^4-x^3-3*x^2+x+2)$  lgdogf  
A110953 10.4518 [ $-2*(4*x+1)/(2*x+1)/(4*x-1)$  ogf]  
A110953 11.1792  $-2*(3+8*x+16*x^2)/(4*x+1)/(2*x+1)/(4*x-1)$  lgdogf  
A110953 12.0618  $1/8*(-1-x+((1+x)*(9*x+1))^(1/2))/(1+x)$  revogf  
A110953 5.66663 [ $\{a(n+2)-2*a(n+1)-8*a(n), a(0) = 2, a(1) = 12\}$ , ogf]  
A111072 5.55297 [ $x*(x^{12}+3*x^{11}+6*x^{10}+5*x^8+5*x^6+5*x^4+6*x^2+3*x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^8-x^6+x^4-x^2+1)/(x-1)^2$  ogf]  
A111074 11.1664 [ $-(x^3-3*x+3)/(x+1)^2/(x-1)^3$  ogf]  
A111074 18.8340  $-x*(12-9*x+x^2+2*x^3)/(x-1)/(x+1)/(x^3-3*x+3)$  lgdogf  
A111074 4.40929 [ $\{(n+6)*a(n+1)+(-n-6)*a(n+2)+(-n-4)*a(n+3)+(n+4)*a(n+4), a(0) = 3, a(1) = 0, a(2) = 6, a(3) = 1\}$ , ogf]  
A111080 15.7533 [ $11/(x-1)^4$  ogf]  
A111080 7.43080 [ $\{(-n-2)*a(n+2)+(5+n)*a(n+1), a(0) = 11, a(1) = 44\}$ , ogf]  
A111085 3.69692 [ $-(x^8+5*x^7+67*x^6+130*x^5+242*x^4+130*x^3+67*x^2+5*x+1)/(x+1)^2/(x-1)^9$  ogf]  
A111093 5.62972 [ $x*(9*x^{12}+5*x^{11}+6*x^{10}+5*x^8-5*x^6+5*x^4+4*x^2+5*x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^8-x^6+x^4-x^2+1)/(x-1)^2$  ogf]  
A111097 3.54088 [ $(x^5-2*x^4+x^3-2*x^2-1)/(x^2+x+1)/(x-1)^3$  ogf]  
A111108 12.9609 [ $-x*(3*x+5)/(2*x+1)/(x^2+2*x-1)$  ogf]  
A111108 13.2711  $-(3+50*x+12*x^3+45*x^2)/(3*x+5)/(2*x+1)/(x^2+2*x-1)$  lgdogf  
A111108 7.38633 [ $\{a(n+3)-5*a(n+1)-2*a(n), a(0) = 0, a(1) = 5, a(2) = 3\}$ , ogf]  
A111109 6.44577 [ $-x*(x^6+3*x^5+2*x^4-2*x^3-4*x^2+4*x-1)/(x-1)^2/(x^2+2*x-1)^2$  ogf]  
A111109 7.76082  $-(x+1)*(x^6+12*x^5+3*x^4-24*x^3+22*x^2-10*x+2)/(x-1)/(x^2+2*x-1)/(x^6+3*x^5+2*x^4-2*x^3-4*x^2+4*x-1)$  lgdogf

A111110 7.48937  $-(2-10*x+x^8+6*x^6-10*x^5+31*x^4-42*x^3-2*x^7+28*x^2)/(x^4-x^3+4*x^2-3*x+1)/(x^5-2*x^4+8*x^3-9*x^2+5*x-1)$  lgdogf  
A111110 8.21326  $[-x*(x^4-x^3+4*x^2-3*x+1)/(x^5-2*x^4+8*x^3-9*x^2+5*x-1)$  ogf]  
A111112 4.95598  $[-480*x^3*(7*x^4+32*x^3+366*x^2+584*x+247)/(x+1)/(x-1)^7$  ogf]  
A111112 7.50561  $-2*(1033+3106*x+14*x^5+101*x^4+1208*x^3+3190*x^2)/(x-1)/(x+1)/(7*x^4+32*x^3+366*x^2+584*x+247)$  lgdogf  
A111139 3.31514  $[{(-n-2)*a(n+1)+(-n-2)*a(n+2)+(n+5)*a(n+3)-a(n+4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 11},$  ogf]  
A111144 10.5908  $[x*(26*x^2-60*x+35)/(x-1)^4$  ogf]  
A111144 18.8956  $-4*(20-32*x+13*x^2)/(x-1)/(26*x^2-60*x+35)$  lgdogf  
A111144 3.83284  $[{(105+35*n)*a(n+4)+(-270-95*n)*a(n+3)+(214+86*n)*a(n+2)+(-52-26*n)*a(n+1), a(0) = 0, a(1) = 35, a(2) = 80, a(3) = 136},$  ogf]  
A111165 32.1709  $[1/(-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A111216 14.1045  $[-(x-1)/(x^2-31*x+1)$  ogf]  
A111216 14.8249  $-1/2*(-1-31*x+(1+58*x+957*x^2)^(1/2))/(1+x)$  revogf  
A111216 19.9210  $-(30-2*x+x^2)/(x-1)/(x^2-31*x+1)$  lgdogf  
A111216 7.72387  $[{a(n+2)-31*a(n+1)+a(n), a(0) = 1, a(1) = 30},$  ogf]  
A111244 6.15210  $[(2*x^10-5*x^9+2*x^8+2*x^7-2*x^6+3*x^5-3*x^4+x^3-2*x^2-x-1)/(x+1)/(x^2+1)/(x-1)^3$  ogf]  
A111258 5.70323  $[x*(297*x^5+7*x^4+297*x^3-1243*x^2-21*x-539)/(x-1)/(x^6-6*x^3+1)$  ogf]  
A111262 6.32432  $-(12-110*x+361*x^2-352*x^3+171*x^4-28*x^5+x^6)/(x^2-7*x+1)/(x^2-3*x+1)/(x^3-14*x^2+18*x-3)$  lgdogf  
A111262 7.08746  $[-(x^3-14*x^2+18*x-3)/(x^2-7*x+1)/(x^2-3*x+1)$  ogf]  
A111277 10.5899  $[-(2*x-1)^2/(3*x-1)/(x-1)^2$  ogf]  
A111277 12.6560  $-(-2+6*x-9*x^2+9*x^3)/(x-1)/(-1+3*x)/(3*x^2-3*x+1)$  lgdogf  
A111277 5.76772  $[{a(n+3)-5*a(n+2)+7*a(n+1)-3*a(n), a(0) = 1, a(1) = 1, a(2) = 2},$  ogf]  
A111279 10.2227  $-1/2*(-1-5*x+4*x^2+((5*x^2-2*x+1)*(-1+2*x)^2)^(1/2))/(2+x)^2$  revogf  
A111280 6.16446  $-(-2+4*x+116*x^6+29*x^8-4*x^7-124*x^5+357*x^4-116*x^3-10*x^2)/(x^5-4*x^3+2*x^2-4*x+1)/(29*x^4-2*x^3-2*x+1)$  lgdogf  
A111280 8.54241  $[(29*x^4-2*x^3-2*x+1)/(x^5-4*x^3+2*x^2-4*x+1)$  ogf]  
A111281 10.8706  $[-(2*x^2-x+1)/(2*x^3-2*x^2+3*x-1)$  ogf]  
A111281 12.0329  $-2*(1+2*x^4-2*x^3+x^2)/(2*x^2-x+1)/(2*x^3-2*x^2+3*x-1)$  lgdogf  
A111281 5.92061  $[{a(n+3)-3*a(n+2)+2*a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 6},$  ogf]  
A111282 12.7001  $[(x^2-x+1)/(x^2-3*x+1)$  ogf]  
A111282 18.3271  $-2*(x-1)*(1+x)/(x^2-3*x+1)/(x^2-x+1)$  lgdogf  
A111282 6.59906  $[{-a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 6},$  ogf]  
A111283 8.34768  $-(2-8*x+6*x^4+6*x^3+x^6+2*x^5+11*x^2)/(x-1)/(x^3+x^2+3*x-1)/(x^3+x^2+4*x-1)$  lgdogf  
A111283 9.25780  $[-(x^3+x^2+3*x-1)/(x-1)/(x^3+x^2+4*x-1)$  ogf]  
A111284 17.4752  $[(3*x^2+1)/(x-1)^2$  ogf]  
A111284 8.39493  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 6},$  ogf]  
A111285 10.8425  $[-(x-1)^2/(2*x^3-3*x^2+4*x-1)$  ogf]  
A111285 14.4080  $-2*(-1+x+x^3-3*x^2)/(x-1)/(2*x^3-3*x^2+4*x-1)$  lgdogf  
A111285 5.90530  $[{-a(n+3)+4*a(n+2)-3*a(n+1)+2*a(n), a(0) = 1, a(1) = 2, a(2) = 6},$  ogf]  
A111286 17.4132  $[-(2*x^2+1)/(2*x-1)$  ogf]  
A111286 20.5906  $2*(-2*x-1+2*x^2)/(2*x-1)/(2*x^2+1)$  lgdogf  
A111286 8.49931  $[{-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 2, a(2) = 6},$  ogf]  
A111297 11.4842  $[-(x^3-x^2+2*x-1)/(2*x-1)^2$  ogf]  
A111297 15.9720  $(2-2*x+2*x^3-3*x^2)/(2*x-1)/(x^3-x^2+2*x-1)$  lgdogf  
A111297 6.09160  $[{a(n+4)-4*a(n+3)+4*a(n+2), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 11},$  ogf]  
A111314 14.3074  $[(2*x^2-x+1)/(x-1)/(x^2+x-1)$  ogf]  
A111314 8.06695  $[{a(n+3)-2*a(n+2)+a(n), a(0) = 1, a(1) = 1, a(2) = 4},$  ogf]  
A111317 28.2841  $[-1/(-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A111330 32.5436  $[-1/(x^2+1)$  ogf\_with\_Euler\_transform]  
A111335 32.2557  $[-1/(-x^2-1)$  ogf\_with\_Euler\_transform]

A111352 11.1185 [ (2\*x-1)/(x+1)/(x^2+2\*x-1) ogf]  
A111352 12.6640 -(1-6\*x+4\*x^3+3\*x^2)/(2\*x-1)/(x+1)/(x^2+2\*x-1) lgdogf  
A111352 5.26141 [{a(n+3)-a(n+2)-3\*a(n+1)-a(n), a(0) = 1, a(1) = -1, a(2) = 2}, ogf]  
A111365 13.5319 [ (4\*x-1)/(3\*x^2+5\*x-1) ogf]  
A111365 14.2041 1/2/(-4+3\*x)\*(-5\*x-1+(37\*x^2-6\*x+1)^(1/2)) revogf  
A111365 15.2967 -(-1-6\*x+12\*x^2)/(-1+4\*x)/(3\*x^2+5\*x-1) lgdogf  
A111365 7.42604 [{-a(n+2)+5\*a(n+1)+3\*a(n), a(0) = 1, a(1) = 1}, ogf]  
A111374 18.9888 [-(x^2+1)/(-x^4-1) ogf\_with\_Euler\_transform]  
A111375 9.44154 [-(x^4+2\*x^3+x^2+2\*x+1)/(x^6+x^5+x^4+x^3+x^2+x+1) ogf\_with\_Euler\_transform]  
A111376 9.36915 [-(x^4-2\*x^3-x^2-2\*x-1)/(x^6+x^5+x^4+x^3+x^2+x+1) ogf\_with\_Euler\_transform]  
A111384 22.9185 -2\*(2+5\*x+5\*x^2)/(x-1)/(2\*x+1)/(1+x) lgdogf  
A111384 4.63105 [{(n^2+3\*n)\*a(n+1)+(-2+2\*n)\*a(n+2)+(-n^2+n)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1, a(4) = 4}, ogf]  
A111384 9.75245 [ x^3\*(2\*x+1)/(x+1)^2/(x-1)^4 ogf]  
A111385 16.7804 -(5+20\*x+18\*x^3+27\*x^2)/(x-1)/(x+1)/(3\*x^2+3\*x+1) lgdogf  
A111385 8.14098 [ -x^4\*(3\*x^2+3\*x+1)/(x+1)^3/(x-1)^5 ogf]  
A111386 11.4824 [{a(n+2)-5\*a(n), a(0) = 1, a(1) = 3}, ogf]  
A111386 17.5887 1/2/(3+5\*x)\*(-1+((1+2\*x)\*(10\*x+1))^(1/2)) revogf  
A111386 17.9238 [ -(3\*x+1)/(5\*x^2-1) ogf]  
A111386 21.2099 -(3+10\*x+15\*x^2)/(3\*x+1)/(5\*x^2-1) lgdogf  
A111394 26.4986 1/3\*x\*(3+6\*x+2\*x^2)/(x+1)^3 revegff  
A111396 11.0139 [ x\*(7\*x^2-18\*x+12)/(x-1)^4 ogf]  
A111396 20.3656 -2\*(15-20\*x+7\*x^2)/(x-1)/(7\*x^2-18\*x+12) lgdogf  
A111396 4.02949 [{(36+12\*n)\*a(n+4)+(-30\*n-90)\*a(n+3)+(65+25\*n)\*a(n+2)+(-14-7\*n)\*a(n+1), a(0) = 0, a(1) = 12, a(2) = 30, a(3) = 55}, ogf]  
A111400 4.64810 [ -x\*(x^6-8\*x^5+110\*x^4+90\*x^3+80\*x^2+4\*x+3)/(x-1)^9 ogf]  
A111400 7.65697 -(31+192\*x+3\*x^6-26\*x^5+510\*x^4+980\*x^3+830\*x^2)/(x-1)/(x^6-8\*x^5+110\*x^4+90\*x^3+80\*x^2+4\*x+3) lgdogf  
A111424 4.38230 [{(-4\*n-14)\*a(n+1)+(4\*n+15)\*a(n+2)-a(n+3), a(0) = 2, a(1) = 14, a(2) = 134}, ogf]  
A111453 6.55548 [ (3\*x^11+4\*x^10-6\*x^9+4\*x^8+4\*x^7-9\*x^6+4\*x^5+4\*x^4-6\*x^3+4\*x^2+4\*x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A111466 11.7248 [ -(x^3+2\*x^2+1)/(x^2+x-1)/(x^4-x^3+2\*x^2+x+1) ogf]  
A111466 9.58023 -x\*(4+8\*x^3+15\*x+3\*x^7+8\*x^6+6\*x^4)/(x^2+x-1)/(x^3+2\*x^2+1)/(x^4-x^3+2\*x^2+x+1) lgdogf  
A111500 12.9747 -2\*(5+16\*x+x^4+6\*x^3+20\*x^2)/(x-1)/(1+x)/(x^3+3\*x^2+7\*x+1) lgdogf  
A111500 9.67396 [ (x^3+3\*x^2+7\*x+1)/(x+1)/(x-1)^4 ogf]  
A111566 13.6303 [ (2\*x+1)/(2\*x^2-4\*x+1) ogf]  
A111566 15.0163 -1/4\*(-1-4\*x+(1+16\*x+8\*x^2)^(1/2))/(x-1) revogf  
A111566 15.4013 -2\*(-3+2\*x+2\*x^2)/(2\*x+1)/(2\*x^2-4\*x+1) lgdogf  
A111566 7.48005 [{-a(n+2)+4\*a(n+1)-2\*a(n), a(0) = 1, a(1) = 6}, ogf]  
A111567 13.4184 [ (x+1)/(2\*x^2-4\*x+1) ogf]  
A111567 13.7469 -1/2\*(-1-4\*x+(1+12\*x+8\*x^2)^(1/2))/(-1+2\*x) revogf  
A111567 16.8891 -(-5+4\*x+2\*x^2)/(x+1)/(2\*x^2-4\*x+1) lgdogf  
A111567 7.36378 [{-a(n+2)+4\*a(n+1)-2\*a(n), a(0) = 1, a(1) = 5}, ogf]  
A111569 12.6390 [ -(x^2+2\*x-1)/(x^2+1)/(x^2+x-1) ogf]  
A111570 9.18465 -(5-2\*x+x^6+10\*x^2+12\*x^3+8\*x^4-2\*x^5)/(1+x^2)/(x^2+x-1)/(x^3-x^2+3\*x+2) lgdogf  
A111570 9.79009 [ -(x^3-x^2+3\*x+2)/(x^2+1)/(x^2+x-1) ogf]  
A111571 12.1668 [ (3\*x^2-1)/(x^2+1)/(x^2+x-1) ogf]  
A111571 13.1491 -(-1+6\*x+6\*x^5+3\*x^4-4\*x^3-6\*x^2)/(x^2+1)/(-1+3\*x^2)/(x^2+x-1) lgdogf  
A111572 12.3923 -(-3+2\*x+2\*x^5-11\*x^4-4\*x^3+2\*x^2)/(x^2+1)/(x^2-4\*x+1)/(x^2+x-1) lgdogf  
A111572 13.1832 [ (x^2-4\*x+1)/(x^2+1)/(x^2+x-1) ogf]  
A111573 12.8273 [ -x\*(2\*x+1)/(x^2+1)/(x^2+x-1) ogf]



A111573 15.0051  $-(3+6*x^4+8*x^3+3*x^2)/(2*x+1)/(x^2+1)/(x^2+x-1)$  lgdogf  
A111574 12.9413  $[-(3*x^2-2*x+1)/(x^2+1)/(x^2+x-1)$  ogf]  
A111574 14.6859  $-(1+6*x-3*x^4+6*x^5)/(x^2+1)/(3*x^2-2*x+1)/(x^2+x-1)$  lgdogf  
A111575 12.2836  $-(1+2*x+3*x^6+6*x^5+3*x^2+12*x^3+9*x^4)/(x+1)/(x^2+1)/(-1+3*x^4)$  lgdogf  
A111575 14.0652  $[-(x+1)*(x^2+1)/(3*x^4-1)$  ogf]  
A111575 9.11040  $[{a(n+4)-3*a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1}],$  ogf]  
A111580 8.97494  $[-(4*x^9-2*x^8-3*x^7-2*x^6-3*x^5-3*x^3-2*x^2-3*x-2)/(x^{10}-1)$  ogf\_with\_Euler\_transform]  
A111586 6.87930  $[x*(x^9+x^7-x^6-3*x^5-3*x^4-2*x^3-x^2-x-1)/(x+1)/(x^3+2*x-1)$  ogf]  
A111587 11.3715  $[-(x+1)^2/(x^2+1)/(x^2+2*x-1)$  ogf]  
A111587 13.6039  $-2*(2-x+3*x^2+3*x^3+x^4)/(x+1)/(x^2+1)/(x^2+2*x-1)$  lgdogf  
A111597 4.99066  $[{(-n^2-17*n-72)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 56}],$  ogf]  
A111598 4.49772  $[{(-n^2-19*n-90)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 72}],$  ogf]  
A111599 4.62236  $[{(-n^2-21*n-110)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 90}],$  ogf]  
A111600 4.74487  $[{(-n^2-23*n-132)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 110}],$  ogf]  
A111601 13.7661  $-(2+7*x+4*x^2+2*x^3)/(x-1)/(x+1)/(x^2+x+1)$  lgdegf  
A111601 3.49207  $[{(n^3+10*n^2+33*n+36)*a(n+1)+(4+n)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 9}],$  ogf]  
A111602 3.09320  $[{(-n^3-13*n^2-56*n-80)*a(n+1)+(-10-2*n)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 42}],$  ogf]  
A111602 6.71917  $-3*(4+20*x+2*x^5+33*x^3+12*x^4+34*x^2)/(x-1)/(x+1)/(2*x^4+8*x^3+15*x^2+8*x+2)$  lgdegf  
A111607 5.81096  $[(x^{14}+x^{13}+3*x^{12}+3*x^{11}+5*x^{10}+6*x^9+7*x^8+2*x^7+7*x^6+3*x^5+5*x^4+3*x^3+3*x^2+2*x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2/(x^4+1)^2$  ogf]  
A111639 8.84222  $-2*(5+27*x+x^6+3*x^5-x^4-10*x^3+35*x^2)/(x^2+4*x+1)/(x^2-2*x-1)/(2*x^3+3*x^2-8*x-3)$  lgdogf  
A111639 9.15500  $[-(2*x^3+3*x^2-8*x-3)/(x^2+4*x+1)/(x^2-2*x-1)$  ogf]  
A111640 10.9629  $-(x-1)*(x^5-x^4-4*x^3+27*x+9)/(x^2-2*x-1)/(x^3-x^2-3*x+1)/(x^2+4*x+1)$  lgdogf  
A111640 9.48943  $[-(x^3-x^2-3*x+1)/(x^2+4*x+1)/(x^2-2*x-1)$  ogf]  
A111641 9.10029  $-(-5-10*x+x^6+6*x^5+17*x^4+20*x^3+19*x^2)/(x^2+4*x+1)/(x^2-2*x-1)/(x^3+3*x^2+x+1)$  lgdogf  
A111641 9.23860  $[-(x^3+3*x^2+x+1)/(x^2+4*x+1)/(x^2-2*x-1)$  ogf]  
A111642 11.3404  $[2*(x-1)*(x+1)/(x^2+4*x+1)/(x^2-2*x-1)$  ogf]  
A111642 12.7146  $-2*(3+9*x+x^5-2*x^3+x^4)/(x-1)/(x+1)/(x^2+4*x+1)/(x^2-2*x-1)$  lgdogf  
A111643 10.4497  $[2*(x+1)^2/(x^2+4*x+1)/(x^2-2*x-1)$  ogf]  
A111644 11.0928  $[-(x^2+1)/(x^2+4*x+1)/(x^2-2*x-1)$  ogf]  
A111645 10.4497  $[-(x+1)*(3*x-1)/(x^2+4*x+1)/(x^2-2*x-1)$  ogf]  
A111647 4.91203  $[ (3*x^3-17*x^2-99*x+1)/(x^2-6*x+1)/(x^2-198*x+1)$  ogf]  
A111648 3.77967  $[{-a(n+3)+35*a(n+2)-35*a(n+1)+a(n), a(0) = 3, a(1) = 83, a(2) = 2811}],$  ogf]  
A111648 6.40360  $-(83-188*x+11*x^4-44*x^3+394*x^2)/(x-1)/(11*x^2-22*x+3)/(x^2-34*x+1)$  lgdogf  
A111648 6.86155  $[-(11*x^2-22*x+3)/(x-1)/(x^2-34*x+1)$  ogf]  
A111649 5.07096  $[-(20*x^6-700*x^5+700*x^4-20*x^3-x^2-34*x+3)/(x-1)/(x^2-34*x+1)$  ogf]  
A111650 24.5042  $[-(2+x)/(-x-1)$  ogf\_with\_Euler\_transform]  
A111651 18.6652  $[-(x^3-x^2-1)/(x^3+1)$  ogf\_with\_Euler\_transform]  
A111652 24.1131  $[-(2+x)/(-x-1)$  ogf\_with\_Euler\_transform]  
A111660 4.61797  $[-x^2*(x^{29}-x^{28}+x^{27}-x^{26}-x^{24}-x^{22}-x^{20}-x^{18}-x^{16}-x^{14}-x^{12}-x^{10}-x^8-x^6-x^4-x^2-1)/(x^2+x+1)/(x^6+x^3+1)/(x^{18}+x^9+1)/(x-1)^2$  ogf]  
A111661 12.5828  $[-(6*x^5+4*x^4+5*x^3+5*x+4)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A111662 7.57239  $[-x^2*(x-1)*(x^2+x+1)*(x^6+x^3+1)/(2*x-1)/(2*x^9-x^6+x^3-1)$  ogf]  
A111663 6.57183  $[-(x^9+x^6+x^3-1)/(2*x-1)/(x-1)/(x^2+x+1)/(x^2+1)/(x^4-x^2+1)$

ogf]

A111665 6.34675  $-2*(-1+3*x+x^2+5*x^9-3*x^8-5*x^7-5*x^6-2*x^5-12*x^4-x^3)/(x-1)/(x+1)/(x^2+1)/(5*x^4+3*x^3+2*x^2+x-1)/(x^2-3*x+1)$  lgdogf

A111665 7.79110 [  $(5*x^4+3*x^3+2*x^2+x-1)/(x-1)/(x+1)/(x^2+1)/(x^2-3*x+1)$  ogf]

A111666 6.63458 [  $-(5*x^5-3*x^4-4*x^3-3*x^2-3*x+2)/(x-1)/(x+1)/(x^2+1)/(x^2-3*x+1)$  ogf]

A111694 10.4794 [  $x*(x-2)*(x-4)/(x-1)^4$  ogf]

A111694 22.8441  $-2*(13-8*x+x^2)/(x-1)/(x-2)/(x-4)$  lgdogf

A111694 3.80595 [  $\{(-24-8*n)*a(n+4)+(54+14*n)*a(n+3)+(-23-7*n)*a(n+2)+(n+2)*a(n+1), a(0) = 0, a(1) = 8, a(2) = 26, a(3) = 57\}$ , ogf]

A111698 5.83182 [  $(x^{16}-x^{15}+x^{13}-x^{12}+2*x^{10}-2*x^9+2*x^7-2*x^6+x^5+x^4-8*x^3+4*x^2+4*x+1)/(x^2+x+1)/(x-1)^2$  ogf]

A111706 7.29698 [  $(11*x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]

A111708 12.8837 [  $-9*(100*x^{11}-110*x^{10}-1)/(x-1)^2$  ogf]

A111708 13.4976  $2*(1+450*x^{11}-990*x^{10}+550*x^9)/(x-1)/(100*x^{11}-110*x^{10}-1)$  lgdogf

A111709 8.89178 [  $(x^8-x^7+x^5-x+1)*(x^4+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]

A111710 10.7248 [  $-(x^2+3*x+1)/(x+1)^2/(x-1)^3$  ogf]

A111710 17.6088  $-(4+10*x+3*x^3+13*x^2)/(x-1)/(x+1)/(x^2+3*x+1)$  lgdogf

A111711 13.3684  $-(2+8*x+x^5+3*x^4+8*x^3+8*x^2)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)$  lgdogf

A111711 28.0651 [  $[-x^4+2*x+2]$  ogf\_with\_Euler\_transform]

A111711 8.79470 [  $-(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]

A111712 16.1211  $-(x^2+x+1)*(x^3+6*x+3)/(x-1)/(1+x)/(x^4+x^2+2*x+1)$  lgdogf

A111712 9.66892 [  $-(x^4+x^2+2*x+1)/(x+1)^2/(x-1)^3$  ogf]

A111721 14.1988 [  $(5*x^2-x+1)/(x-1)/(x^2+x-1)$  ogf]

A111721 8.00573 [  $\{a(n+3)-2*a(n+2)+a(n), a(0) = 1, a(1) = 1, a(2) = 7\}$ , ogf]

A111733 13.2024  $-(-1-14*x+7*x^4-2*x^3+17*x^2)/(x-1)/(7*x^2-x+1)/(x^2+x-1)$  lgdogf

A111733 14.4693 [  $(7*x^2-x+1)/(x-1)/(x^2+x-1)$  ogf]

A111733 8.15822 [  $\{a(n+3)-2*a(n+2)+a(n), a(0) = 1, a(1) = 1, a(2) = 9\}$ , ogf]

A111734 12.7003  $-(1+2*x+7*x^2+2*x^6+4*x^3-x^4)/(x-1)/(x^2+x+1)/(x^2-x-1)/(2*x^2+2*x+1)$  lgdogf

A111734 13.6065 [  $-(x-1)*(2*x^2+2*x+1)/(x^2+x+1)/(x^2-x-1)$  ogf]

A111746 16.0395  $-(17+33*x+3*x^3+11*x^2)/(x-1)/(x+1)/(x^2+2*x+5)$  lgdogf

A111746 9.44438 [  $x*(x^2+2*x+5)/(x+1)/(x-1)^4$  ogf]

A111766 12.4869 [  $-x*(x-5)/(x+1)/(x^2-6*x+1)$  ogf]

A111766 6.35496 [  $\{a(n+3)-5*a(n+2)-5*a(n+1)+a(n), a(0) = 0, a(1) = 5, a(2) = 24\}$ , ogf]

A111777 2.97975 [  $\{(n^3+16*n^2+85*n+150)*a(n+1)+(18+3*n)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 12, a(2) = 130\}$ , ogf]

A111778 3.18938 [  $\{(n^3+19*n^2+120*n+252)*a(n+1)+(28+4*n)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 20, a(2) = 315\}$ , ogf]

A111779 2.96271 [  $\{(n^3+22*n^2+161*n+392)*a(n+1)+(40+5*n)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 30, a(2) = 651\}$ , ogf]

A111780 3.11916 [  $\{(n^3+25*n^2+208*n+576)*a(n+1)+(54+6*n)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 42, a(2) = 1204\}$ , ogf]

A111781 3.26094 [  $\{(n^3+28*n^2+261*n+810)*a(n+1)+(70+7*n)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 56, a(2) = 2052\}$ , ogf]

A111782 2.95285 [  $\{(-n^3-31*n^2-320*n-1100)*a(n+1)+(-88-8*n)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 72, a(2) = 3285\}$ , ogf]

A111783 3.01233 [  $\{(-n^3-34*n^2-385*n-1452)*a(n+1)+(-108-9*n)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 90, a(2) = 5005\}$ , ogf]

A111784 3.09921 [  $\{(-n^3-37*n^2-456*n-1872)*a(n+1)+(-130-10*n)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 110, a(2) = 7326\}$ , ogf]

A111802 10.8764 [  $-(2*x^5-7*x^4+7*x^3-x+1)/(x-1)^3$  ogf]

A111802 12.6423  $(-2+2*x-17*x^4+28*x^3-21*x^2+4*x^5)/(x-1)/(2*x^5-7*x^4+7*x^3-x+1)$  lgdogf

A111882 23.7392  $1+x^2+(-1-x+x^2+x^3)*f(x)$  lgdegf

A111883 17.9821  $1+2*x-x^2+(x^2-1+x-x^3)*f(x)$  lgdegf

A111883 3.59631 [  $\{(n^3+7n^2+16n+12)*a(n+1)+(-n^2-7n-12)*a(n+2)+(-n-4)*a(n+3)+a(n+4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 16\}$ , ogf]
  
A111884 21.6284  $-1+(2*x+x^2)*f(x)+(1+2*x+x^2)*f(x)^2$  lgdegf
  
A111884 6.43690 [  $\{(n^2+n)*a(n)+(2*n+1)*a(n+1)+a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]
  
A111889 7.37133 [  $-x*(2*x^7+7*x^6+6*x^5+8*x^4+4*x^3+3*x^2+5*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]
  
A111903 25.3222  $-4*(x-3)/(x^2+1-6*x)$  lgdogf
  
A111903 3.41243 [  $\{(n+2)*a(n+3)+(-18-6*n)*a(n+2)+(4+n)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 48\}$ , ogf]
  
A111903 9.20138 [  $4*x/(x^2-6*x+1)^2$  ogf]
  
A111911 3.72801 [  $\{(-128*n^3-704*n^2-1272*n-756)*a(n+1)+(2*n^3+17*n^2+48*n+45)*a(n+2), a(0) = 1, a(1) = 5\}$ , ogf]
  
A111912 5.48191 [  $x*(x^8+x^7+2*x^5-x^2-3*x-2)/(x-1)/(x+1)/(x^8-x^4+1)$  ogf]
  
A111913 8.28931 [  $x*(x^8+x^7+2*x^4-x^2-3*x-2)/(x-1)/(x+1)/(x^8-x^4+1)$  ogf]
  
A111914 8.01386 [  $-x^2*(x^4-2*x^3+x^2-2*x+1)*(x+1)^2/(x-1)/(x^8-x^4+1)$  ogf]
  
A111914 9.77789  $-(1-5*x^11-4*x^9-3*x^7-5*x+14*x^8-x^6+3*x^13-5*x^12+x^2+x^10-x^3+2*x^4)/(x-1)/(x+1)/(x^4-2*x^3+x^2-2*x+1)/(x^8-x^4+1)$  lgdogf
  
A111915 9.57254 [  $-x^2*(x-1)*(x^2+x+1)*(x^2-x+1)/(x^8-x^4+1)$  ogf]
  
A111915 9.69509  $-(1+2*x+2*x^5-x^6-8*x^7+8*x^8-4*x^11-3*x^2+8*x^3-8*x^4-6*x^9+5*x^10+3*x^12)/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^8-x^4+1)$  lgdogf
  
A111926 12.1928 [  $-x^4/(2*x-1)/(x^2-x+1)/(x-1)^2$  ogf]
  
A111926 14.9870  $-(-5+15*x+10*x^3-18*x^2)/(x-1)/(2*x-1)/(x^2-x+1)$  lgdogf
  
A111927 15.3809  $-(-4+12*x+8*x^3-15*x^2)/(x-1)/(2*x-1)/(x^2-x+1)$  lgdogf
  
A111927 15.7451 [  $x^3/(2*x-1)/(x-1)/(x^2-x+1)$  ogf]
  
A111932 18.2703 [  $-(4*x^2-2*x+2)/(-x^3-1)$  ogf\_with\_Euler\_transform]
  
A111942 3.37463 [  $\{(-n^3-n^2)*a(n)+(2*n^3+10*n^2+18*n+8)*a(n+1)-8*a(n+2)+(-16-8*n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = -1\}$ , ogf]
  
A111949 4.51466 [  $-(-2*x^19-x^18-2*x^17-x^16-x^15-2*x^13-x^12-x^11-x^10-2*x^9-x^8-x^7-x^6-2*x^5-x^3-x^2-2*x-1)/(x^20-1)$  ogf\_with\_Euler\_transform]
  
A111951 6.90712 [  $-x*(3*x^4-2*x^3+4*x^2-2*x+3)/(x^4+1)/(x^2+1)/(x-1)$  ogf]
  
A111951 7.99808  $-(1+2*x+9*x^10-32*x^7+29*x^8+x^2+14*x^4-28*x^5+42*x^6-14*x^9)/(x-1)/(x^2+1)/(3*x^4-2*x^3+4*x^2-2*x+3)/(x^4+1)$  lgdogf
  
A111952 5.60566  $-(6+4*x+21*x^6+36*x^7+20*x^4+4*x^3+10*x^8+3*x^10+20*x^9+15*x^2+8*x^11)/(x-1)/(4*x^5+x^4+5*x^3+2*x^2+6*x+3)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf
  
A111952 9.93465 [  $-x*(4*x^5+x^4+5*x^3+2*x^2+6*x+3)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]
  
A111954 13.8655 [  $(x-1)/(x+1)/(x^2+2*x-1)$  ogf]
  
A111954 19.5830  $-2*x*(-3+x^2)/(x-1)/(x+1)/(x^2+2*x-1)$  lgdogf
  
A111954 6.62049 [  $\{-a(n+3)+a(n+2)+3*a(n+1)+a(n), a(0) = 1, a(1) = 0, a(2) = 3\}$ , ogf]
  
A111955 12.3517 [  $-x*(3*x+1)/(x+1)/(x^2+2*x-1)$  ogf]
  
A111955 14.4551  $-2*(2+3*x+3*x^3+6*x^2)/(3*x+1)/(x+1)/(x^2+2*x-1)$  lgdogf
  
A111955 6.34277 [  $\{-a(n+3)+a(n+2)+3*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]
  
A111958 5.38746 [  $-(7*x^10-4*x^9+8*x^8-x^7+6*x^6-4*x^5+7*x^4+4*x^2-x+2)/(x-1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)$  ogf]
  
A111961 15.8832  $(-x+(5*x^2+2*x+1)^(1/2))/(1+2*x+4*x^2)*x$  revogf
  
A111961 7.74792  $(1+2*x-12*x^3-11*x^2+(-(x+1)*(-1+3*x)*(x-1)^2)^(1/2))/(x+1)/(-1+3*x)/(4*x^2+2*x-1)$  lgdogf
  
A111966 13.5584  $-(-3*x+(5*x^2+2*x+1)^(1/2))/(-1-2*x+4*x^2)*x$  revogf
  
A111966 7.27525  $(3-22*x+39*x^2-20*x^3+((5*x-1)*(x-1)*(3*x-1)^2)^(1/2))/(5*x-1)/(x-1)/(4*x^2-6*x+1)$  lgdogf
  
A111972 19.0721  $(-1+3*x^4+27*x^28-28*x^27-4*x^3)/(x-1)/(1+x^4+x^28)$  lgdogf
  
A111972 19.7328 [  $-x*(x^28+x^4+1)/(x-1)$  ogf]
  
A111989 17.9903 [  $1/(8*x^3-6*x+1)$  ogf]
  
A111989 18.1720  $-6*(2*x-1)*(2*x+1)/(1-6*x+8*x^3)$  lgdogf
  
A111989 6.24927 [  $\{-a(n+3)+6*a(n+2)-8*a(n), a(0) = 1, a(1) = 6, a(2) = 36\}$ , ogf]
  
A111990 10.2268 [  $1/(8*x^3-6*x+1)^2$  ogf]
  
A111990 17.0933  $-12*(-1+2*x)*(2*x+1)/(1-6*x+8*x^3)$  lgdogf

A111990 3.50979 [  $\{(-n-4)*a(n+4)+(30+6*n)*a(n+3)+(-56-8*n)*a(n+1), a(0) = 1, a(1) = 12, a(2) = 108, a(3) = 848\}$ , ogf]  
A111991 16.9528  $-18*(2*x-1)*(2*x+1)/(1-6*x+8*x^3)$  lgdogf  
A111991 3.36012 [  $\{(-n-4)*a(n+4)+(36+6*n)*a(n+3)+(-80-8*n)*a(n+1), a(0) = 1, a(1) = 18, a(2) = 216, a(3) = 2136\}$ , ogf]  
A111991 6.14216 [  $1/(8*x^3-6*x+1)^3$  ogf]  
A111993 11.4804  $-5/2*(x-1+(x^2+1-6*x)^(1/2))/(x^2+1-6*x)^(1/2)/x$  lgdogf  
A111994 12.7316  $-36+(6-36*x+6*x^2)*f(x)+(x^3+x-6*x^2)*f(x)^2$  lgdogf  
A111995 11.7431  $-7/2*(-1+x+(x^2-6*x+1)^(1/2))/(x^2-6*x+1)^(1/2)/x$  lgdogf  
A111996 12.7076  $-4*(x-1+(x^2+1-6*x)^(1/2))/(x^2+1-6*x)^(1/2)/x$  lgdogf  
A111997 12.3684  $-9/2*(x-1+(x^2-6*x+1)^(1/2))/x/(x^2-6*x+1)^(1/2)$  lgdogf  
A111998 11.6642  $-100+(10-60*x+10*x^2)*f(x)+(x^3+x-6*x^2)*f(x)^2$  lgdogf  
A112000 11.3825  $-5*(-26+138*x+2*x^3-81*x^2)/(2*x+1)/(2*x^3-57*x^2+64*x-6)$  lgdegf  
A112000 3.56539 [  $\{(2*n^2+15*n+28)*a(n+1)+(-12*n^2-125*n-332)*a(n+2)+(-6*n-18)*a(n+3), a(0) = -3, a(1) = 65, a(2) = -1190\}$ , ogf]  
A112001 7.57390  $-21*(66-766*x+10*x^4-535*x^3+1509*x^2)/(2*x+1)/(30*x^4-1235*x^3+2544*x^2-846*x+36)$  lgdegf  
A112002 6.02142  $-(13068+53296*x+8*x^5+1031*x^4+14976*x^3+52756*x^2)/(x-1)/(x^5+114*x^4+1452*x^3+4400*x^2+3708*x+720)$  lgdogf  
A112014 3.56272 [  $1+(1452*x^8+1)^(1/2)$  ogf\_with\_Euler\_transform]  
A112027 10.7145 [  $-(6*x^7-3*x^4-3*x^3-x^2-2*x-1)/(x-1)/(x+1)/(x^2+1)/(3*x^4-1)$  ogf]  
A112030 10.8237 [  $\{a(n+2)+a(n), a(0) = 3, a(1) = 1\}$ , ogf]  
A112030 16.8955 [  $(x+3)/(x^2+1)$  ogf]  
A112030 24.0241  $-1/2*(-3+(9+4*x-4*x^2)^(1/2))/(x-1)$  revogf  
A112030 31.1424  $-(-1+6*x+x^2)/(x+3)/(1+x^2)$  lgdogf  
A112031 13.6591 [  $-(2*x^2+x+3)/(x^2+1)/(2*x^2-1)$  ogf]  
A112032 12.0890 [  $\{-a(n+2)+2*a(n), a(0) = 4, a(1) = 1\}$ , ogf]  
A112032 18.8707 [  $-(x+4)/(2*x^2-1)$  ogf]  
A112033 11.7477 [  $\{-a(n+2)+2*a(n), a(0) = 12, a(1) = 3\}$ , ogf]  
A112033 18.1809 [  $-3*(x+4)/(2*x^2-1)$  ogf]  
A112033 22.6922  $(-6+(36+2*x^2+3*x)^(1/2))/(2*x+3)$  revogf  
A112033 24.1562  $-(1+16*x+2*x^2)/(x+4)/(2*x^2-1)$  lgdogf  
A112062 10.9537 [  $(4*x^4+x^3+3*x^2+x+3)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A112062 9.29277  $-2*(2+5*x+3*x^6+7*x^5+5*x^2+18*x^3+6*x^4+2*x^7)/(x-1)/(x+1)/(x^2+1)/(4*x^4+x^3+3*x^2+x+3)$  lgdogf  
A112063 7.52857  $-2*(6+29*x+6*x^7+19*x^6+43*x^5+79*x^4+107*x^3+71*x^2)/(x-1)/(x+1)/(12*x^4+13*x^3+12*x^2+12*x+11)/(x^2+x+1)$  lgdogf  
A112063 9.46406 [  $(12*x^4+13*x^3+12*x^2+12*x+11)/(x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A112072 10.6689 [  $(7*x^4+2*x^3+6*x^2+2*x+7)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A112072 8.39035  $-(9+21*x+7*x^7+11*x^6+27*x^5+23*x^4+73*x^3+21*x^2)/(x-1)/(x+1)/(x^2+1)/(7*x^4+2*x^3+6*x^2+2*x+7)$  lgdogf  
A112073 7.07729  $-(25+119*x+23*x^7+73*x^6+168*x^5+314*x^4+430*x^3+288*x^2)/(x-1)/(x+1)/(x^2+x+1)/(23*x^4+25*x^3+24*x^2+25*x+23)$  lgdogf  
A112073 9.23523 [  $(23*x^4+25*x^3+24*x^2+25*x+23)/(x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A112087 14.1727 [  $-4*(x^2+1)/(x-1)^3$  ogf]  
A112087 27.6967 [  $[-x^3+x+3]$  ogf\_with\_Euler\_transform]  
A112087 30.4819  $-(3+2*x+x^2)/(x-1)/(1+x^2)$  lgdogf  
A112087 7.08634 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 4, a(1) = 12, a(2) = 28\}$ , ogf]  
A112091 10.4354 [  $-(2*x-1)^2/(x-1)/(5*x^2-5*x+1)$  ogf]  
A112091 12.1946  $-(-2+8*x+10*x^3-15*x^2)/(-1+x)/(2*x-1)/(5*x^2-5*x+1)$  lgdogf  
A112091 5.72562 [  $\{a(n+3)-6*a(n+2)+10*a(n+1)-5*a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A112128 4.31626 [  $(52*x^20-125*x^16-98*x^12-42*x^8-100*x^4-49)/(52*x^20-42*x^17-125*x^16-48*x^13-98*x^12-174*x^9-42*x^8-4*x^5-100*x^4-98*x-49)$  ogf]  
A112132 10.0338  $-(3+2*x+7*x^6+2*x^5+9*x^4+4*x^3+21*x^2)/(x-1)/(x+1)/(x^2+1)/(7*x^3+x^2+3*x+1)$  lgdogf  
A112132 13.8678 [  $-(7*x^3+x^2+3*x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A112133 12.5488 [  $-(23*x^3+24*x^2+12*x+1)/(x-1)/(x+1)/(x^2+x+1)$  ogf]

A112133 9.84597  $-(11+48*x+48*x^5+60*x^4+74*x^3+23*x^6+96*x^2)/(x-1)/(x+1)/(x^2+x+1)/(23*x^3+24*x^2+12*x+1)$  lgdogf  
A112142 12.3594  $[-(-12*x^2+12*x-12)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A112143 16.6914  $[-(4*x^2+4*x+4)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A112150 16.1386  $[-(-6*x^2+6*x-6)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A112157 19.9389  $[-(-2*x-2)/(x^3-1)$  ogf\_with\_Euler\_transform]  
A112160 14.9061  $[-(-4*x^2+4*x-4)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A112161 14.7847  $[-(-x^4-2*x^3-2*x-1)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A112165 8.26490  $[-(x^7-2*x^6+2*x^5+x^4-x^3-2*x^2+2*x-1)/(x^9+x^6+x^3+1)$  ogf\_with\_Euler\_transform]  
A112175 16.0413  $[-(x^4+2*x^2+1)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A112176 9.50631  $[-(x^7-x^6-x^5-x^4+x^3+x^2+x-1)/(-x^9-1)$  ogf\_with\_Euler\_transform]  
A112182 12.3443  $[-(-x^8-x^6-2*x^4-x^2-1)/(x^{10}-1)$  ogf\_with\_Euler\_transform]  
A112192 10.9051  $[-(x^{10}+x^9+x^6+x^4+x+1)/(x^{12}-1)$  ogf\_with\_Euler\_transform]  
A112194 9.23037  $[-(x^7+x^6-x^5+x^4+x^3-x^2+x+1)/(x^9-1)$  ogf\_with\_Euler\_transform]  
A112206 8.58777  $[-(-x^{10}+x^9-2*x^8-x^6+2*x^5-x^4-2*x^2+x-1)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]  
A112215 8.77507  $[-(-x^{28}-x^{22}-x^{18}-x^{16}-x^{12}-x^{10}-x^6-1)/(x^{30}-1)$  ogf\_with\_Euler\_transform]  
A112240 19.0550  $(1+2*x^2)/(x+1)^2/(2*x-1)^2$  lgdegf  
A112241 21.6778  $(1+2*x^2)/(-1+2*x+2*x^2)^2$  lgdegf  
A112242 15.2734  $3+6*x-3*x^2+(-2+8*x-4*x^2)*f(x)+(-1+2*x-x^2)*f(x)^2$  lgdegf  
A112242 4.10003  $[{(n^2+5*n+6)*a(n+1)+(n^2+3*n)*a(n+2)+(-2*n-7)*a(n+3)+a(n+4), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 25}]$ , ogf]  
A112243 17.4355  $1+2*x-2*x^2+(-1+4*x-4*x^2)*f(x)$  lgdegf  
A112259 10.4851  $[-(8*x+1)/(8*x-1)/(64*x^2+11*x+1)$  ogf]  
A112259 5.10577  $[{a(n+3)+3*a(n+2)-24*a(n+1)-512*a(n), a(0) = 1, a(1) = 5, a(2) = 9}]$ , ogf]  
A112259 9.58634  $-(5+48*x+1728*x^2+8192*x^3)/(8*x+1)/(-1+8*x)/(64*x^2+11*x+1)$  lgdogf  
A112260 11.7461  $[-(-1+4*x+64*x^4-64*x^3+24*x^2)/(2*x-1)/(4*x^2-x+1)/(8*x^2-4*x+1)$  lgdogf]  
A112260 11.9225  $[-(8*x^2-4*x+1)/(2*x-1)/(4*x^2-x+1)$  ogf]  
A112260 6.49352  $[{a(n+3)-3*a(n+2)+6*a(n+1)-8*a(n), a(0) = 1, a(1) = -1, a(2) = -1}]$ , ogf]  
A112261 13.4706  $[-2*(3*x-1)/(2*x-1)/(4*x^2-x+1)$  ogf]  
A112261 6.31015  $-6*x*(2+8*x^2-7*x)/(-1+3*x)/(2*x-1)/(4*x^2-x+1)$  lgdogf  
A112261 6.37448  $[{a(n+3)-3*a(n+2)+6*a(n+1)-8*a(n), a(0) = -2, a(1) = 0, a(2) = 12}]$ , ogf]  
A112274 13.9874  $[-(-x^2+1)/(x^4-x^3+x^2-x+1)$  ogf\_with\_Euler\_transform]  
A112279 9.42736  $[-(100*x^7+125*x^6+30*x^5+11*x^4+5*x^3+3*x^2+2*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A112293 4.35074  $[{(-2*n-3)*a(n+1)+(2*n+6)*a(n+2)-a(n+3), a(0) = 1, a(1) = 2, a(2) = 7}]$ , ogf]  
A112298 5.93053  $[-(2*x^9+3*x^8-x^6+x^5+4*x^4-x^3-x^2+2*x+3)/(-x^{10}+x^8-x^6+x^4-x^2+1)$  ogf\_with\_Euler\_transform]  
A112299 11.9218  $[(x^2+x+1)*(x-1)^2/(x^2+1)/(x^4+1)$  ogf]  
A112299 14.6099  $[-(-1-3*x-7*x^5+2*x^8-x^6-x^7-5*x^2-5*x^3-3*x^4)/(x-1)/(x^2+1)/(x^2+x+1)/(x^4+1)$  lgdogf]  
A112299 26.3182  $[x^7-x^2-x-1$  ogf\_with\_Euler\_transform]  
A112300 14.5334  $[(x-1)^2/(x^2+x+1)/(x^2-x+1)$  ogf]  
A112300 25.2348  $-2*(-1-x-2*x^3+x^4)/(x-1)/(1+x+x^2)/(x^2-x+1)$  lgdogf  
A112300 28.5069  $[x^5-x-2]$  ogf\_with\_Euler\_transform]  
A112300 7.88957  $[{-a(n+4)-a(n+2)-a(n), a(0) = 1, a(1) = -2, a(2) = 0, a(3) = 2}]$ , ogf]  
A112301 7.87280  $[-(-2*x^9-2*x^8+x^7-x-2)/(x^{10}-x^8+x^2-1)$  ogf\_with\_Euler\_transform]  
A112335 15.0926  $[-(x^2+3*x-1)/(x-1)^2$  ogf]  
A112335 39.0427  $-(1+5*x)/(x-1)/(x^2+3*x-1)$  lgdogf

A112335 7.84223 [ $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = -1, a(2) = -4\}$ , ogf]  
A112346 15.1242  $-2*(-1-3*x+3*x^2+3*x^3)/(x-1)/(x+1)/(3*x^2-1)$  lgdogf  
A112346 3.87200 [ $(x+1)/(x-1)/(3*x^2-1)$  ogf]  
A112353 6.80906  $(-28+22*x+48*x^7+27*x^2-32*x^3-57*x^4+176*x^5-159*x^6)/(x-1)/(12*x^7-25*x^6+13*x^5+8*x^4-6*x^3-9*x^2-2*x+10)$  lgdogf  
A112353 7.15028 [ $-(12*x^7-25*x^6+13*x^5+8*x^4-6*x^3-9*x^2-2*x+10)/(x-1)^3$  ogf]  
A112355 10.9422 [ $-(3*x^3-6*x^2+x+3)/(x-1)^3$  ogf]  
A112355 18.4861  $-(10-10*x+3*x^2)/(x-1)/(3*x^3-6*x^2+x+3)$  lgdogf  
A112355 5.59269 [ $\{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 3, a(1) = 10, a(2) = 15, a(3) = 21\}$ , ogf]  
A112368 5.75076 [ $\{(2*n+6)*a(n+1)+(-2*n-7)*a(n+2)+a(n+3), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]  
A112369 5.77096 [ $\{(2*n+6)*a(n+1)+(-2*n-7)*a(n+2)+a(n+3), a(0) = 0, a(1) = 2, a(2) = 10\}$ , ogf]  
A112370 5.08782 [ $\{(3*n+9)*a(n+1)+(-3*n-10)*a(n+2)+a(n+3), a(0) = 1, a(1) = 4, a(2) = 22\}$ , ogf]  
A112385 4.25047 [ $\{(256*n^3+1664*n^2+3568*n+2520)*a(n+1)+(-27*n^3-216*n^2-573*n-504)*a(n+2), a(0) = 2, a(1) = 6\}$ , ogf]  
A112385 42.8262  $-1/16*x*(x-2)^3$  revogf  
A112387 11.8125  $-2*(1+x+5*x^4+4*x^3+4*x^2+2*x^6)/(x^2+1)/(2*x^2-1)/(2*x^3+2*x+1)$  lgdogf  
A112387 13.5271 [ $-(2*x^3+2*x+1)/(x^2+1)/(2*x^2-1)$  ogf]  
A112414 10.4085 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 7, a(1) = 10\}$ , ogf]  
A112414 19.1979 [ $-(4*x-7)/(x-1)^2$  ogf]  
A112414 24.2151  $-1/2*(-7-2*x+(49+12*x)^(1/2))/(x+4)$  revogf  
A112414 33.9011  $-2*(-5+2*x)/(x-1)/(4*x-7)$  lgdogf  
A112415 5.40039 [ $\{(-n-2)*a(n+2)+(6+n)*a(n+1), a(0) = 12, a(1) = 60\}$ , ogf]  
A112415 69.8715  $-5/(x-1)$  lgdogf  
A112415 9.54068 [ $-12/(x-1)^5$  ogf]  
A112421 13.8423  $-2*(1+x+x^2+x^3+x^4+4*x^5)/(-1+x)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A112421 14.6117 [ $-2/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3$  ogf]  
A112421 33.1689 [ $[x^5+2]$  ogf\_with\_Euler\_transform]  
A112422 7.43859 [ $-(8*x^6+8*x^5+8*x^4+8*x^3+8*x^2+8*x+3)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A112423 5.33953 [ $-6*(3*x^7+3*x^6+3*x^5+3*x^4+3*x^3+3*x^2+3*x+1)/(x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x-1)^3$  ogf]  
A112440 4.02589 [ $9*x^9*(x^7-x^6-x^5-x^4-x^3-x^2-1)/(x-1)$  ogf]  
A112447 12.3493  $-(1+6*x+6*x^4+8*x^3+8*x^5+x^2)/(2*x^2-1)/(2*x^2+x+1)/(x^2+1)$  lgdogf  
A112447 14.4920 [ $-(2*x^2+x+1)/(x^2+1)/(2*x^2-1)$  ogf]  
A112455 12.7769 [ $-(x^2+3)/(x^3+x^2+1)$  ogf]  
A112455 22.3207  $-x*(4+x^3+9*x)/(x^2+3)/(x^3+x^2+1)$  lgdogf  
A112455 7.28147 [ $\{a(n+3)+a(n+1)+a(n), a(0) = -3, a(1) = 0, a(2) = 2\}$ , ogf]  
A112459 10.9834  $-(12*x+23)/(2*x+3)/(-1+x)$  lgdogf  
A112459 3.21513 [ $-(2*x+3)/(x-1)^7$  ogf]  
A112460 30.2455  $-3*(8*x+13)/(3*x+4)/(-1+x)$  lgdogf  
A112460 5.12897 [ $\{(-4*n-12)*a(n+3)+(41+n)*a(n+2)+(27+3*n)*a(n+1), a(0) = 4, a(1) = 39, a(2) = 207\}$ , ogf]  
A112460 7.34055 [ $-(3*x+4)/(x-1)^9$  ogf]  
A112461 29.5899  $-(59+40*x)/(4*x+5)/(-1+x)$  lgdogf  
A112461 4.82742 [ $\{(-5*n-15)*a(n+3)+(61+n)*a(n+2)+(44+4*n)*a(n+1), a(0) = 5, a(1) = 59, a(2) = 374\}$ , ogf]  
A112461 5.57835 [ $-(4*x+5)/(x-1)^{11}$  ogf]  
A112462 30.3217  $-(83+60*x)/(5*x+6)/(-1+x)$  lgdogf  
A112462 4.79023 [ $-(5*x+6)/(x-1)^{13}$  ogf]  
A112462 4.94376 [ $\{(-6*n-18)*a(n+3)+(85+n)*a(n+2)+(65+5*n)*a(n+1), a(0) = 6, a(1) = 83, a(2) = 611\}$ , ogf]  
A112463 27.9955  $-3*(37+28*x)/(6*x+7)/(-1+x)$  lgdogf  
A112463 4.86653 [ $\{(-7*n-21)*a(n+3)+(113+n)*a(n+2)+(90+6*n)*a(n+1), a(0) = 7, a(1) = 111, a(2) = 930\}$ , ogf]

A112464 27.6585  $-(143+112*x)/(7*x+8)/(-1+x)$  lgdogf  
A112464 4.74785  $[ \{ (-8*n-24)*a(n+3)+(145+n)*a(n+2)+(119+7*n)*a(n+1), a(0) = 8, a(1) = 143, a(2) = 1343 \}, ogf]$   
A112469 17.4243  $[ (x+1)/(x-1)/(x^2-x-1)$  ogf]  
A112469 22.2003  $-(-1-4*x+x^2+2*x^3)/(x-1)/(x+1)/(x^2-x-1)$  lgdogf  
A112469 9.08289  $[ \{ a(n+3)-2*a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 2 \}, ogf]$   
A112476 15.6616  $[ (x-1)/(x+1)/(x^3+x^2+x-1)$  ogf]  
A112476 19.2463  $-(1-4*x-4*x^2+3*x^4)/(x-1)/(x+1)/(x^3+x^2+x-1)$  lgdogf  
A112478 16.7064  $1/2*(x-1+(1+6*x+x^2)^(1/2))/(1+6*x+x^2)^(1/2)/x$  lgdogf  
A112478 3.75810  $[ \{ (n^2-n)*a(n)+(5*n^2+n)*a(n+1)+(-5*n^2-19*n-18)*a(n+2)+(-n^2-5*n-6)*a(n+3), a(0) = 1, a(1) = 2, a(2) = -2 \}, ogf]$   
A112483 32.5411  $-x*(-1-x+x^2)/(1+2*x)$  revogf  
A112487 44.6896  $2-x-2*\exp(-x)$  revegf  
A112494 10.1706  $-21*(3+56*x+204*x^2+40*x^4+192*x^3)/(x-1)/(120*x^4+444*x^3+328*x^2+52*x+1)$  lgdogf  
A112494 4.61237  $[ -(120*x^4+444*x^3+328*x^2+52*x+1)/(x-1)^{11}$  ogf]  
A112495 7.25318  $[ -(5*x-3)/(3*x-1)/(2*x-1)^2/(x-1)^3$  ogf]  
A112495 9.82454  $-(-25+140*x-253*x^2+150*x^3)/(x-1)/(3*x-1)/(-3+5*x)/(-1+2*x)$  lgdogf  
A112498 6.71891  $[ -(6*x^2+x-3)/(3*x-1)/(2*x-1)^2/(x-1)^3$  ogf]  
A112498 8.55541  $-(-29+136*x-149*x^2-78*x^3+144*x^4)/(x-1)/(-1+3*x)/(2*x-1)/(6*x^2+x-3)$  lgdogf  
A112502 14.2244  $-2*(5-20*x+18*x^2)/(x-1)/(3*x-1)/(-1+2*x)$  lgdogf  
A112502 8.39075  $[ 1/(3*x-1)/(2*x-1)^2/(x-1)^3$  ogf]  
A112504 7.60966  $-(35-420*x+1800*x^4-3066*x^3+1771*x^2)/(x-1)/(-1+4*x)/(3*x-1)/(2*x-1)/(5*x-1)$  lgdogf  
A112518 19.7405  $[ 1/(x^4+2*x^3-x+1)$  ogf]  
A112518 20.8713  $-(2*x+1)*(2*x^2+2*x-1)/(2*x^3+1-x+x^4)$  lgdogf  
A112521 15.1269  $6*(-8*x-1+(-4*x+1)^(1/2))/(16*x+5)/(4*x-1)$  lgdogf  
A112521 3.58573  $[ \{ (64*n^2+128*n+60)*a(n+1)+(4*n^2+10*n+6)*a(n+2)+(-5*n^2-15*n-10)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 0 \}, ogf]$   
A112522 5.27905  $[ (8*x^10+4*x^9-2*x^8-15*x^7+15*x^6+16*x^5-10*x^4-10*x^3+14*x^2+3*x+1)/(4*x^2+1)/(x^4-x^2+1)/(x^2+1)^2$  ogf]  
A112523 7.78592  $[ -x*(4*x^6-4*x^5-3*x^4+5*x^3+4*x^2-3*x-1)/(4*x^2+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A112524 10.0797  $[ (x^3-3*x^2+5*x+1)/(x-1)^4$  ogf]  
A112524 18.1258  $-(9+9*x+x^3-3*x^2)/(x-1)/(x^3-3*x^2+5*x+1)$  lgdogf  
A112524 4.19533  $[ \{ (7*n^2+48*n+68)*a(n+1)+(-22*n^2-150*n-239)*a(n+2)+(15*n^2+78*n+99)*a(n+3), a(0) = 1, a(1) = 9, a(2) = 27 \}, ogf]$   
A112525 12.8304  $[ -1/(100*x^3+100*x^2-1)$  ogf]  
A112525 14.7822  $-100*x*(2+3*x)/(-1+100*x^2+100*x^3)$  lgdogf  
A112525 5.31361  $[ \{-a(n+3)+100*a(n+1)+100*a(n), a(0) = 1, a(1) = 0, a(2) = 100 \}, ogf]$   
A112533 6.08904  $[ -(54675*x^5-432*x^3+108*x^2+49*x+4)/(27*x^2-1)/(27*x^2+6*x+1)/(27*x^2-6*x+1)$  ogf]  
A112553 11.6896  $[ 1/(x^2+1)/(x^2-x+1)$  ogf]  
A112553 12.7880  $[x^5+x^3-x^2-2*x+1$  ogf\_with\_Euler\_transform]  
A112553 18.3129  $-(-1+4*x+4*x^3-3*x^2)/(1+x^2)/(x^2-x+1)$  lgdogf  
A112575 15.1647  $[ x/(x^4-2*x^3+x^2-2*x+1)$  ogf]  
A112575 17.0326  $-2*(-1+x-3*x^2+2*x^3)/(x^2+1-2*x+x^4-2*x^3)$  lgdogf  
A112576 13.9337  $[ x/(x^4+x^3-3*x^2-x+1)$  ogf]  
A112576 16.3989  $-(x-1)*(4*x^2+7*x+1)/(-3*x^2+1-x+x^4+x^3)$  lgdogf  
A112577 13.6712  $[ x/(x^2+2*x-1)/(x^2-x-1)$  ogf]  
A112577 16.6109  $-(-1-8*x+4*x^3+3*x^2)/(x^2+2*x-1)/(x^2-x-1)$  lgdogf  
A112598 8.79412  $[ (x^9-5*x^8+x^7+4*x^6-x^5+x^4+x^2-x+1)/(x-1)^2$  ogf]  
A112598 9.17313  $(-1-27*x^5-x+9*x^6+7*x^4-4*x^3+7*x^9-39*x^8+45*x^7)/(x-1)/(x^9-5*x^8+x^7+4*x^6-x^5+x^4+x^2-x+1)$  lgdogf  
A112603 13.9332  $[ -(2*x^2-x+3)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A112604 7.64077  $[ -(2*x^8+x^6-x^4+x^3-2*x^2-x)/(x^9+x^6+x^3+1)$  ogf\_with\_Euler\_transform]

A112605 8.30526  $[-(2*x^6+x^4+x^3-x^2-x+2)/(-x^7-x^6-x-1)]$   
ogf\_with\_Euler\_transform]
A112606 5.47893  $[-(2*x^18-x^17+x^11-3*x^6-2*x^5-1)/$   
 $(x^19+x^18+x^13+x^12+x^7+x^6+x+1)]$  ogf\_with\_Euler\_transform]
A112607 10.0292  $[-(-2*x^12-x^11-1)/(x^13+x^12+x+1)]$  ogf\_with\_Euler\_transform]
A112608 5.61042  $[-(-2*x^8-x^5-3*x^4+x^3-x^2-2*x)/(x^9+x^7+x^6+x^5+x^4+x^3+x^2+1)]$   
ogf\_with\_Euler\_transform]
A112609 9.41603  $[-(-2*x^6-x^3-x^2)/(x^7+x^4+x^3+1)]$  ogf\_with\_Euler\_transform]
A112610 13.9850  $[-(4*x^2-2*x+6)/(-x^3-x^2-x-1)]$  ogf\_with\_Euler\_transform]
A112611 7.97822  $-6*(1-5*x+35*x^2-135*x^3-225*x^4+1125*x^5)/(5*x-1)/(15*x^2-x-1)/$   
 $(45*x^3-1)$  lgdogf
A112611 8.69075  $[-4*x*(15*x^2-x-1)/(5*x-1)/(45*x^3-1)]$  ogf]
A112627 10.8000  $-(-3-32*x+16*x^2+64*x^3)/(x-1)/(4*x-1)/(2*x+1)/(4*x+1)$  lgdogf
A112627 14.0395  $[(2*x+1)/(x-1)/(4*x-1)/(4*x+1)]$  ogf]
A112627 6.71452  $[{a(n+3)-a(n+2)-16*a(n+1)+16*a(n), a(0) = 1, a(1) = 3, a(2) =$   
 $19}],$  ogf]
A112651 14.2275  $[x*(10*x+1)/(x-1)^2/(x+1)]$  ogf]
A112651 21.3979  $-((11+13*x+20*x^2)/(x-1)/(10*x+1)/(x+1))$  lgdogf
A112651 7.36783  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 11}],$   
ogf]
A112652 11.7132  $[x*(3*x^2+2*x+1)/(x^2+1)/(x-1)^2]$  ogf]
A112652 17.5568  $-2*(x+1)*(3*x^3+x+2)/(x-1)/(1+x^2)/(3*x^2+2*x+1)$  lgdogf
A112652 4.38493  $[{(3*n+8)*a(n+1)+(-3*n-5)*a(n+2)+(3*n+8)*a(n+3)+(-3*n-5)*a(n+4),$   
 $a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 9}],$  ogf]
A112653 14.0947  $[x*(12*x+1)/(x-1)^2/(x+1)]$  ogf]
A112653 21.1967  $-((13+15*x+24*x^2)/(x-1)/(1+12*x)/(x+1))$  lgdogf
A112653 7.29906  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 13}],$   
ogf]
A112654 12.7435  $[x*(x^2+9*x+1)/(x^2+x+1)/(x-1)^2]$  ogf]
A112654 14.8391  $-2*(5+6*x+x^4+14*x^3+7*x^2)/(x-1)/(x^2+x+1)/(x^2+9*x+1)$  lgdogf
A112654 5.02018  $[{(-n-3)*a(n+1)-a(n+2)-a(n+3)+(n+2)*a(n+4), a(0) = 0, a(1) = 1,$   
 $a(2) = 10, a(3) = 11}],$  ogf]
A112655 12.5580  $[x*(x^2+11*x+1)/(x^2+x+1)/(x-1)^2]$  ogf]
A112655 14.5839  $-2*(6+7*x+8*x^2+17*x^3+x^4)/(x-1)/(x^2+11*x+1)/(1+x+x^2)$  lgdogf
A112655 5.02318  $[{(-n-3)*a(n+1)-a(n+2)-a(n+3)+(n+2)*a(n+4), a(0) = 0, a(1) = 1,$   
 $a(2) = 12, a(3) = 13}],$  ogf]
A112657 12.9426  $1/2/(1+x+7*x^2)*(-5*x-1+3*(9*x^2+2*x+1)^(1/2))*x$  revogf
A112657 9.70693  $1/2*(-42*x^2-x+5+3*(-(x+1)*(3*x-1)^(1/2)))/(7*x-2)/(3*x-1)/(x+1)$   
lgdogf
A112667 10.5067  $(88-32*x+45*x^6-5*x^4-58*x^3+10*x^5-47*x^2)/(x-1)/$   
 $(9*x^6+16*x^5+25*x^4+21*x^3+16*x^2+9*x-97)$  lgdogf
A112667 12.0136  $[(9*x^6+16*x^5+25*x^4+21*x^3+16*x^2+9*x-97)/(x-1)]$  ogf]
A112685 12.0762  $-((-1-2*x+8*x^4-4*x^3-11*x^2)/(1+2*x)/(4*x^2-x-1)/(x^2+2*x-1))$   
lgdogf
A112685 12.9528  $[(4*x^2-x-1)/(2*x+1)/(x^2+2*x-1)]$  ogf]
A112685 7.85434  $[{a(n+3)-5*a(n+1)-2*a(n), a(0) = 1, a(1) = 1, a(2) = 1}],$  ogf]
A112689 14.4652  $[x/(x^2+x+1)/(x^2+1)/(x-1)^2]$  ogf]
A112689 20.2454  $-(1-x+6*x^4+x^3+5*x^2)/(x-1)/(x^2+1)/(x^2+x+1)$  lgdogf
A112689 28.4194  $[x^3+x^2-x+1]$  ogf\_with\_Euler\_transform]
A112690 14.3794  $[-x/(x^2+x+1)/(x^2+1)/(x-1)]$  ogf]
A112690 21.3046  $[x*(x^2+x-1)]$  ogf\_with\_Euler\_transform]
A112690 24.2614  $-x*(-2+5*x^3+3*x)/(x-1)/(x^2+1)/(x^2+x+1)$  lgdogf
A112691 10.5662  $[-(4*x^6-5*x^4-2*x^3+5*x^2-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)]$  ogf]
A112696 3.84047  $[{(-8*n-20)*a(n+1)+(9*n+24)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1)$   
 $= 3, a(2) = 11}],$  ogf]
A112697 3.68530  $[{(12*n+30)*a(n+1)+(-13*n-34)*a(n+2)+(n+4)*a(n+3), a(0) = 1,$   
 $a(1) = 4, a(2) = 22}],$  ogf]
A112698 3.50574  $[{(16*n+40)*a(n+1)+(-17*n-44)*a(n+2)+(n+4)*a(n+3), a(0) = 1,$   
 $a(1) = 5, a(2) = 37}],$  ogf]
A112699 3.29018  $[{(20*n+50)*a(n+1)+(-21*n-54)*a(n+2)+(n+4)*a(n+3), a(0) = 1,$   
 $a(1) = 6, a(2) = 56}],$  ogf]



A112700 3.52781 [ $\{(24*n+60)*a(n+1)+(-25*n-64)*a(n+2)+(n+4)*a(n+3), a(0) = 1, a(1) = 7, a(2) = 79\}$ , ogf]  
A112701 3.65048 [ $\{(-28*n-70)*a(n+1)+(29*n+74)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1) = 8, a(2) = 106\}$ , ogf]  
A112702 3.79578 [ $\{(-32*n-80)*a(n+1)+(33*n+84)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1) = 9, a(2) = 137\}$ , ogf]  
A112703 3.37303 [ $\{(-36*n-90)*a(n+1)+(37*n+94)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1) = 10, a(2) = 172\}$ , ogf]  
A112704 3.43522 [ $\{(-40*n-100)*a(n+1)+(41*n+104)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1) = 11, a(2) = 211\}$ , ogf]  
A112710 16.9623  $-1/6*(-1-x-6*x^2+(1+2*x+13*x^2)^{(1/2)})/x^2$  revogf  
A112710 4.47839 [ $\{(12*n+30)*a(n+1)+(-11*n-26)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1) = -2, a(2) = 16\}$ , ogf]  
A112711 10.3529  $-1/2*(-x+1+3*(16*x+1)^{(1/2)}*x-(16*x+1)^{(1/2)})/(16*x+1)^{(1/2)}/x/(x-1)$  lgdogf  
A112711 16.7618  $-1/8*(-1-x-8*x^2+(1+2*x+17*x^2)^{(1/2)})/x^2$  revogf  
A112711 4.42595 [ $\{(-16*n-40)*a(n+1)+(15*n+36)*a(n+2)+(n+4)*a(n+3), a(0) = 1, a(1) = -3, a(2) = 29\}$ , ogf]  
A112712 6.23600 [ $x/(x^2+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A112712 9.50720  $-(-1+4*x+6*x^5-5*x^4+8*x^3-6*x^2)/(1+x^2)/(x^4-x^3+x^2-x+1)$  lgdogf  
A112712 9.84576 [ $x^9-x^4+x^3-2*x+1$  ogf\_with\_Euler\_transform]  
A112713 13.7994 [ $-x/(x-1)/(x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A112713 17.1376  $-(-5*x^4+1+6*x^5)/(x-1)/(x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
A112713 21.3597 [ $x^9-x^4+1$  ogf\_with\_Euler\_transform]  
A112742 33.4831  $-2*(3+2*x)/(x-1)/(x+1)$  lgdogf  
A112742 35.1526 [[6-x] ogf\_with\_Euler\_transform]  
A112742 5.63523 [ $\{(n+1)*a(n+3)-6*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 4\}$ , ogf]  
A112742 9.41582 [ $-4*x^2*(x+1)/(x-1)^5$  ogf]  
A112765 7.79690 [ $-x^4*(2*x^20+x^15+x^10+x^5+1)/(x-1)/(x^4+x^3+x^2+x+1)/(x^20+x^15+x^10+x^5+1)$  ogf]  
A112802 7.87706 [ $-x^82/(x^24-x^21+x^20+x^15+x^6-1)$  ogf]  
A112803 9.28538 [ $-(-x^6+2*x^5-x^4+x^2-2*x+1)/(-x^8-x^6-x^4-x^2-1)$  ogf\_with\_Euler\_transform]  
A112806 12.9241  $1/2*(1-x+x^2+((1+x+x^2)*(x^2-3*x+1))^{(1/2)})*x$  revogf  
A112814 10.2090  $(106-104*x+10060*x^6+12575*x^4-22635*x^5)/(x-1)/(2515*x^6-2515*x^5+104*x-105)$  lgdogf  
A112814 11.2836 [ $-(2515*x^6-2515*x^5+104*x-105)/(x-1)^2$  ogf]  
A112818 8.54151  $(157-155*x+136090*x^7-299398*x^6+163308*x^5)/(x-1)/(27218*x^7-27218*x^6+155*x-156)$  lgdogf  
A112818 9.78938 [ $-(27218*x^7-27218*x^6+155*x-156)/(x-1)^2$  ogf]  
A112819 3.72567 [ $\{a(n+4)-2*a(n+3)+a(n+2), a(0) = 20, a(1) = 24, a(2) = 529, a(3) = 530\}$ , ogf]  
A112819 6.67284 [ $-(504*x^3-501*x^2+16*x-20)/(x-1)^2$  ogf]  
A112819 7.10193  $2*(12+493*x+252*x^3-756*x^2)/(-1+x)/(504*x^3-501*x^2+16*x-20)$  lgdogf  
A112820 9.91604 [ $-(79218*x^18-79218*x^17+271*x-272)/(x-1)^2$  ogf]  
A112821 4.42404 [ $-(342*x-343)/(x-1)^2$  ogf]  
A112821 6.03577  $-2*(-172+171*x)/(-1+x)/(342*x-343)$  lgdogf  
A112831 13.7962 [ $-(5*x-1)/(9*x^2-7*x+1)$  ogf]  
A112831 14.4830  $-1/2*(-1-7*x+(1-6*x+13*x^2)^{(1/2)})/(5+9*x)$  revogf  
A112831 16.0075  $-(2-18*x+45*x^2)/(5*x-1)/(9*x^2-7*x+1)$  lgdogf  
A112831 7.57106 [ $\{a(n+2)-7*a(n+1)+9*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A112832 8.02683  $-(2-6*x+6*x^4+12*x^3+x^6-6*x^5+3*x^2)/(x-1)/(x+1)/(x^3-3*x^2-2*x+1)/(x^2-4*x+1)$  lgdogf  
A112832 9.37674 [ $-(x^3-3*x^2-2*x+1)/(x-1)/(x+1)/(x^2-4*x+1)$  ogf]  
A112835 6.22973 [ $-(x+1)*(x^6-2*x^4+x^3-2*x^2-x-1)/(x^8-2*x^6-2*x^4-2*x^2+1)$  ogf]  
A112848 5.84067 [ $-(-2*x^11-x^10-2*x^9+x^8-x^7+x^6+x^4-x^3-x^2-2*x-1)/(x^12-x^9+x^3-1)$  ogf\_with\_Euler\_transform]

A112851 38.0536 [[7-x] ogf\_with\_Euler\_transform]  
A112851 39.9007  $-(5*x+7)/(x-1)/(x+1)$  lgdogf  
A112851 6.10027 [ $\{(n+1)*a(n+3)-7*a(n+2)+(-4-n)*a(n+1)$ ,  $a(0) = 0$ ,  $a(1) = 0$ ,  $a(2) = 3\}$ , ogf]  
A112851 9.15040 [ $3*x^2*(x+1)/(x-1)^6$  ogf]  
A112865 4.76303 [ $(x-1)*(x^2+1)*(2*x^48-x^32+x^16-1)/(x^4+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x^8-x^4+1)/(x^16-x^8+1)$  ogf]  
A112884 5.39489  $-(3+x+4*x^5+4*x^4-12*x^3+10*x^2)/(-1+x)/(2*x-1)/(x+1)/(2*x^3-3*x+2)$  lgdogf  
A112884 5.49846 [ $-(2*x^3-3*x+2)/(x+1)/(2*x-1)/(x-1)^2$  ogf]  
A112958 5.21283  $-2-x^3+(6+2*x^3)*f(x)+(-x^3-6)*f(x)^2+2*f(x)^3$  lgdegf  
A112959 11.5962  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A112986 11.9107  $-(5+9*x+20*x^5+15*x^4+19*x^3+40*x^2)/(x-1)/(x^2+x+1)/(5*x^3+2*x^2+2*x+3)$  lgdogf  
A112986 9.26426 [ $-x^3*(5*x^3+2*x^2+2*x+3)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A113010 4.24146 [ $-(1022*x^19+510*x^18+254*x^17+126*x^16+62*x^15+30*x^14+14*x^13+6*x^12+2*x^11+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(2*x^10-1)$  ogf]  
A113019 4.46053 [ $-(511*x^18+255*x^17+127*x^16+63*x^15+31*x^14+15*x^13+7*x^12+3*x^11+x^10+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A113021 14.7239 [ $-x^2/(x^4+x^3-2*x^2+2*x-1)$  ogf]  
A113021 17.9710  $-(2-4*x+4*x^3+3*x^2)/(-2*x^2-1+2*x+x^4+x^3)$  lgdogf  
A113022 3.00594 [ $(x^2+7*x-4)/(5*x-1)/(x-1)^2$  ogf]  
A113023 6.52400  $18/(5*x-1)/(7*x-5)$  lgdogf  
A113032 11.6268 [ $-(x-1)^2/(x^8+x^3-3*x^2+3*x-1)$  ogf]  
A113032 13.1185  $-(-1+3*x+6*x^8-8*x^7+x^3-3*x^2)/(-1+x)/(x^8+x^3-3*x^2+3*x-1)$  lgdogf  
A113047 21.6151  $(1+4*x^3+13*x^12+40*x^39)/(1+x+x^4+x^13+x^40)$  lgdogf  
A113059 12.5920  $(-x-\exp(x)+\exp(x)*x)/(-1+x)$  lgdegf  
A113060 18.1029  $(\exp(x)*x-\exp(x)-2+x)/(x-1)$  lgdegf  
A113066 11.0416 [ $(x+1)^2/(x^2+x+1)/(x^2+3*x+1)$  ogf]  
A113066 14.8015  $-2*(1+3*x+6*x^2+4*x^3+x^4)/(x+1)/(x^2+x+1)/(x^2+3*x+1)$  lgdogf  
A113067 15.4789 [ $-x/(x^2+x+1)/(x^2+3*x+1)$  ogf]  
A113067 18.1655  $-2*(x+2)*(2*x^2+2*x+1)/(x^2+x+1)/(x^2+3*x+1)$  lgdogf  
A113070 13.3421 [ $(x+1)^2/(2*x-1)^2$  ogf]  
A113070 43.3540  $-6/(x+1)/(2*x-1)$  lgdogf  
A113070 6.86537 [ $\{-a(n+3)+4*a(n+2)-4*a(n+1)$ ,  $a(0) = 1$ ,  $a(1) = 6$ ,  $a(2) = 21\}$ , ogf]  
A113071 12.0526 [ $(x+1)^2/(3*x-1)^2$  ogf]  
A113071 39.1297  $-8/(x+1)/(3*x-1)$  lgdogf  
A113071 6.20183 [ $\{-a(n+3)+6*a(n+2)-9*a(n+1)$ ,  $a(0) = 1$ ,  $a(1) = 8$ ,  $a(2) = 40\}$ , ogf]  
A113116 3.02618 [ $-(9*x^2+3*x+1)*(2071723*x^3+1)/(5363222357*x^6-1)$  ogf]  
A113119 11.7287 [ $10*(10*x^2-2*x+1)/(10*x-1)^2$  ogf]  
A113119 6.33983 [ $\{-a(n+3)+20*a(n+2)-100*a(n+1)$ ,  $a(0) = 10$ ,  $a(1) = 180$ ,  $a(2) = 2700\}$ , ogf]  
A113127 14.0374 [ $(x+1)*(x^2+1)/(x-1)^2$  ogf]  
A113127 22.1046  $(-3-3*x-3*x^2+x^3)/(x-1)/(x+1)/(1+x^2)$  lgdogf  
A113127 34.1077 [[-x^3+3] ogf\_with\_Euler\_transform]  
A113127 7.44594 [ $\{a(n+4)-2*a(n+3)+a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 3$ ,  $a(2) = 6$ ,  $a(3) = 10\}$ , ogf]  
A113142 17.0517  $(-5+5*x+3*x^2+x^3)/(x-1)/(x+1)/(x^2+2*x-1)$  lgdogf  
A113142 5.02951 [ $\{-a(n+5)-2*a(n+4)-a(n+3)$ ,  $a(0) = 0$ ,  $a(1) = 1$ ,  $a(2) = -5$ ,  $a(3) = 10$ ,  $a(4) = -14\}$ , ogf]  
A113142 9.82689 [ $x*(x-1)*(x^2+2*x-1)/(x+1)^2$  ogf]  
A113179 17.3472  $-2*(1-2*x+6*x^2)/(-4*x^2-1+4*x+8*x^3)$  lgdogf  
A113179 3.27439 [ $\{(-n-4)*a(n+4)+(14+4*n)*a(n+3)+(-12-4*n)*a(n+2)+(20+8*n)*a(n+1)$ ,  $a(0) = 1$ ,  $a(1) = 2$ ,  $a(2) = 4$ ,  $a(3) = 12\}$ , ogf]  
A113180 17.9218  $-2*(1-2*x+8*x^3)/(-4*x^2-1+4*x+8*x^4)$  lgdogf  
A113217 11.1965 [ $-x*(x^4+x^3+x^2+x+1)*(x^4-x^3+x^2-x+1)/(x-1)/(x^2+x+1)/$

$(x^6+x^3+1)$  ogf]  
A113217 26.5851  $[-x^9+x^8+x \text{ ogf\_with\_Euler\_transform}]$   
A113217 8.17376  $-x*(2+5*x^{11}+4*x^2+6*x^4+8*x^6+9*x^7+7*x^9+3*x^{13}+x^{15})/(x-1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^3+1) \text{ lgdogf}$   
A113224 10.5681  $[(x^2+1)/(x-1)/(x+1)/(x^2+2*x-1) \text{ ogf}]$   
A113224 10.6898  $-2*(-1-3*x+x^4+2*x^3+x^5+4*x^2)/(x-1)/(x+1)/(x^2+1)/(x^2+2*x-1) \text{ lgdogf}$   
A113225 10.0557  $[-(x^2+x-1)/(x-1)/(x+1)/(x^2+2*x-1) \text{ ogf}]$   
A113225 11.3373  $-(1+2*x+5*x^4+2*x^5-6*x^2)/(x-1)/(x+1)/(x^2+x-1)/(x^2+2*x-1) \text{ lgdogf}$   
A113235 15.8346  $1-2*x+4*x^2-2*x^3+(-x^2-1+2*x)*f(x) \text{ lgdegf}$   
A113235 3.34862  $[{-2*a(n)+4*a(n+1)+(-n-4)*a(n+2)+(2*n+7)*a(n+3)+(-n-4)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = 7/6, a(4) = 49/24}, \text{ egf}]$   
A113236 15.6720  $-(-1+3*x^4-6*x^3+3*x^2)/(x-1)^2 \text{ lgdegf}$   
A113237 17.9744  $-(-1+4*x^3-8*x^4+4*x^5)/(x-1)^2 \text{ lgdegf}$   
A113249 11.5659  $[-(81*x^3+27*x^2-1)/(3*x-1)/(3*x+1)/(9*x^2+4*x+1) \text{ ogf}]$   
A113249 8.16315  $-(4+54*x+4374*x^5+6561*x^6+243*x^2+324*x^3+972*x^4)/(3*x-1)/(3*x+1)/(9*x^2+4*x+1)/(81*x^3+27*x^2-1) \text{ lgdogf}$   
A113250 10.2460  $[-(256*x^3+48*x^2-1)/(4*x-1)/(4*x+1)/(16*x^2+4*x+1) \text{ ogf}]$   
A113250 7.08154  $-4*(1+24*x+16384*x^6+6144*x^5+768*x^4+256*x^3+192*x^2)/(1+4*x)/(-1+4*x)/(16*x^2+4*x+1)/(256*x^3+48*x^2-1) \text{ lgdogf}$   
A113251 10.4169  $[-(625*x^3+75*x^2-1)/(5*x+1)/(5*x-1)/(25*x^2+4*x+1) \text{ ogf}]$   
A113251 7.03291  $-(4+150*x+93750*x^5+390625*x^6+1875*x^2+2500*x^3+7500*x^4)/(5*x+1)/(5*x-1)/(25*x^2+4*x+1)/(625*x^3+75*x^2-1) \text{ lgdogf}$   
A113252 6.09854  $-4*(1+54*x+419904*x^6+69984*x^5+3888*x^4+1296*x^3+972*x^2)/(-1+6*x)/(1+6*x)/(36*x^2+4*x+1)/(1296*x^3+108*x^2-1) \text{ lgdogf}$   
A113252 8.94341  $[-(1296*x^3+108*x^2-1)/(6*x-1)/(6*x+1)/(36*x^2+4*x+1) \text{ ogf}]$   
A113253 5.35520  $-(4+294*x+5764801*x^6+705894*x^5+7203*x^2+9604*x^3+28812*x^4)/(7*x+1)/(7*x-1)/(49*x^2+4*x+1)/(2401*x^3+147*x^2-1) \text{ lgdogf}$   
A113253 7.98861  $[-(2401*x^3+147*x^2-1)/(7*x+1)/(7*x-1)/(49*x^2+4*x+1) \text{ ogf}]$   
A113254 5.62356  $-4*(1+96*x+4194304*x^6+393216*x^5+12288*x^4+4096*x^3+3072*x^2)/(8*x+1)/(8*x-1)/(64*x^2+4*x+1)/(4096*x^3+192*x^2-1) \text{ lgdogf}$   
A113254 8.50787  $[-(4096*x^3+192*x^2-1)/(8*x+1)/(8*x-1)/(64*x^2+4*x+1) \text{ ogf}]$   
A113255 5.76102  $- (4+486*x+43046721*x^6+3188646*x^5+78732*x^4+26244*x^3+19683*x^2)/(9*x+1)/(9*x-1)/(81*x^2+4*x+1)/(6561*x^3+243*x^2-1) \text{ lgdogf}$   
A113255 8.90731  $[-(6561*x^3+243*x^2-1)/(9*x+1)/(9*x-1)/(81*x^2+4*x+1) \text{ ogf}]$   
A113256 5.64769  $-4*(1+150*x+25000000*x^6+1500000*x^5+30000*x^4+10000*x^3+7500*x^2)/(10*x+1)/(10*x-1)/(100*x^2+4*x+1)/(10000*x^3+300*x^2-1) \text{ lgdogf}$   
A113256 8.90938  $[-(10000*x^3+300*x^2-1)/(10*x+1)/(10*x-1)/(100*x^2+4*x+1) \text{ ogf}]$   
A113264 15.2576  $-1/10*(-1-x-10*x^2+(1+2*x+21*x^2)^{(1/2)})/x^2 \text{ revogf}$   
A113264 4.23619  $[{(-20*n-50)*a(n+1)+(19*n+46)*a(n+2)+(n+4)*a(n+3), a(0) = 1, a(1) = -4, a(2) = 46}, \text{ ogf}]$   
A113264 9.87253  $-1/2*(-x+1+3*(20*x+1)^{(1/2)}*x-(20*x+1)^{(1/2)})/(20*x+1)^{(1/2)}/x/(x-1) \text{ lgdogf}$   
A113265 14.3205  $-1/12*(-1-x-12*x^2+(1+2*x+25*x^2)^{(1/2)})/x^2 \text{ revogf}$   
A113265 3.97193  $[{(-24*n-60)*a(n+1)+(23*n+56)*a(n+2)+(n+4)*a(n+3), a(0) = 1, a(1) = -5, a(2) = 67}, \text{ ogf}]$   
A113265 9.26619  $-1/2*(-x+1+3*(24*x+1)^{(1/2)}*x-(24*x+1)^{(1/2)})/(24*x+1)^{(1/2)}/x/(x-1) \text{ lgdogf}$   
A113266 13.1358  $-1/14*(-1-x-14*x^2+(1+2*x+29*x^2)^{(1/2)})/x^2 \text{ revogf}$   
A113266 3.65575  $[{(-28*n-70)*a(n+1)+(27*n+66)*a(n+2)+(n+4)*a(n+3), a(0) = 1, a(1) = -6, a(2) = 92}, \text{ ogf}]$   
A113266 8.49963  $-1/2*(-x+1+3*(28*x+1)^{(1/2)}*x-(28*x+1)^{(1/2)})/(28*x+1)^{(1/2)}/x/(x-1) \text{ lgdogf}$   
A113267 13.6509  $-1/16*(-1-x-16*x^2+(1+2*x+33*x^2)^{(1/2)})/x^2 \text{ revogf}$   
A113267 3.77762  $[{(32*n+80)*a(n+1)+(-31*n-76)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1) = -7, a(2) = 121}, \text{ ogf}]$   
A113267 8.83295  $-1/2*(-x+1+3*(32*x+1)^{(1/2)}*x-(32*x+1)^{(1/2)})/(32*x+1)^{(1/2)}/x/(x-1) \text{ lgdogf}$

A113268 14.0373  $-1/18*(-1-x-18*x^2+(1+2*x+37*x^2)^{(1/2)})/x^2$  revogf  
A113268 3.88658  $[{(36*n+90)*a(n+1)+(-35*n-86)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1) = -8, a(2) = 154}],$  ogf]  
A113268 9.08294  $-1/2*(-x+1+3*(36*x+1)^{(1/2)}*x-(36*x+1)^{(1/2)})/(36*x+1)^{(1/2)}/x/(x-1)$  lgdogf  
A113269 14.4880  $-1/20*(-1-x-20*x^2+(1+2*x+41*x^2)^{(1/2)})/x^2$  revogf  
A113269 3.98815  $[{(40*n+100)*a(n+1)+(-39*n-96)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1) = -9, a(2) = 191}],$  ogf]  
A113269 9.37459  $-1/2*(-x+1+3*(40*x+1)^{(1/2)}*x-(40*x+1)^{(1/2)})/(40*x+1)^{(1/2)}/x/(x-1)$  lgdogf  
A113277 13.7032  $[ -(-3*x+2)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A113281 11.4279  $-(-1-3*x+x^5+x^4+2*x^3+4*x^2)/(x-1)/(x+1)/(x^2+1)/(x^2+2*x-1)$  lgdogf  
A113282 6.83461  $[ -(x^5+x^4+2*x^3+4*x^2-3*x-1)/(x-1)/(x+1)/(x^2+1)/(x^2+2*x-1)$  ogf]  
A113297 10.9590  $[ -(x^{12}+x^{10}+x^8+x^4+x^2+1)/(-x^{14}+1)$  ogf\_with\_Euler\_transform]  
A113300 18.7741  $[ -x/(x^3+x^2+3*x-1)$  ogf]  
A113300 25.3247  $-(3+2*x+3*x^2)/(x^2-1+3*x+x^3)$  lgdogf  
A113300 6.93458  $[{a(n+3)-3*a(n+2)-a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 3}],$  ogf]  
A113301 13.7380  $[ x*(x+1)/(x-1)/(x^3+x^2+3*x-1)$  ogf]  
A113301 13.8048  $-(-5+4*x+3*x^4+4*x^3+2*x^2)/(-1+x)/(x+1)/(x^3+x^2+3*x-1)$  lgdogf  
A113306 16.1683  $[ -(x^2-1)/(-x^4+x^2-1)$  ogf\_with\_Euler\_transform]  
A113311 11.8011  $[{-a(n+3)+a(n+2), a(0) = 1, a(1) = 3, a(2) = 4}],$  ogf]  
A113311 22.0287  $[ -(x+1)^2/(x-1)$  ogf]  
A113311 47.1074  $[ [3-2*x]$  ogf\_with\_Euler\_transform]  
A113311 54.0376  $(-3+x)/(x-1)/(x+1)$  lgdogf  
A113312 15.4270  $[ (x+1)^2/(x-1)/(x^2-x-1)$  ogf]  
A113312 22.7471  $-(-2-4*x+3*x^2+x^3)/(x-1)/(x+1)/(x^2-x-1)$  lgdogf  
A113312 9.35466  $[{a(n+3)-2*a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 3}],$  ogf]  
A113335 5.88850  $[{(-n-2)*a(n+2)+(7+n)*a(n+1), a(0) = 243, a(1) = 1458}],$  ogf]  
A113335 78.6017  $-6/(x-1)$  lgdogf  
A113335 9.16923  $[ 243/(x-1)^6$  ogf]  
A113338 7.20323  $[ -(41*x^4+18*x^3+278*x^2+18*x+41)/(x+1)^2/(x-1)^3$  ogf]  
A113338 8.12542  $-(59+779*x+77*x^4+1016*x^3+41*x^5+404*x^2)/(x-1)/(x+1)/(41*x^4+18*x^3+278*x^2+18*x+41)$  lgdogf  
A113405 18.6168  $[ -x^3/(x+1)/(2*x-1)/(x^2-x+1)$  ogf]  
A113405 18.9927  $-(2+8*x^3-3*x^2)/(2*x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A113407 6.90704  $[ -(2*x^6+x^5-x^3+3*x^2+2*x+1)/(-x^7-x^6-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A113411 5.95434  $[ -(2*x^6+3*x^4+x^3+x^2-x+2)/(-x^7-x^6-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A113416 11.1933  $[ -(4*x^5-2*x^4+x^3+5*x-2)/(-x^6+x^4-x^2+1)$  ogf\_with\_Euler\_transform]  
A113417 7.99525  $[ -(-4*x^7-2*x^6-5*x^5-2*x^4-2*x^3-2*x^2-5*x-2)/(x^8-1)$  ogf\_with\_Euler\_transform]  
A113419 7.99525  $[ -(-4*x^7+2*x^6-7*x^5+2*x^4-2*x^3+2*x^2-7*x+2)/(x^8-1)$  ogf\_with\_Euler\_transform]  
A113421 8.35514  $[ -(-4*x^{11}-2*x^{10}-2*x^9-3*x^7-2*x^6-2*x^5-2*x^4-3*x^3-2*x-2)/(x^{12}-1)$  ogf\_with\_Euler\_transform]  
A113422 11.5643  $- (7+4*x^5+16*x+13*x^4+22*x^3+28*x^2)/(x-1)/(x+1)/(1+x^2+x)/(2*x^2+x+2)$  lgdogf  
A113422 9.22667  $[ -x*(x+1)*(2*x^2+x+2)/(x^2+x+1)/(x-1)^3$  ogf]  
A113423 9.18890  $[ -(-3*x^6-x^5-3*x^4-2*x^3-2*x^2-1)/(x^7+x^5-x^2-1)$  ogf\_with\_Euler\_transform]  
A113424 12.6261  $[$ hypergeom([1/6, 5/6],[1],432\*x) ogf]  
A113424 5.03071  $[{(-432*n^2-1296*n-924)*a(n+1)+(n^2+4*n+4)*a(n+2), a(0) = 1, a(1) = 60}],$  ogf]  
A113428 10.6032  $[ -(x^4+x^2+x)/(-x^5+1)$  ogf\_with\_Euler\_transform]  
A113429 10.6032  $[ -(-x^4-x^3-1)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A113430 4.76078  $[ -(x^9+x^8+x^6+x^5+x^4+x^3+x^2+1)/(-x^{10}+1)$

ogf\_with\_Euler\_transform]  
 A113431 6.34733  $[-(x^9+x^8+x^7+x^6+x^4+x^2+x+1)/(-x^{10}+1)$   
 ogf\_with\_Euler\_transform]  
 A113435 13.1376  $[-(x-1)*(x^2+x+1)/(x^4-2*x^3-x+1)$  ogf]  
 A113435 14.1171  $-(1+x^6-2*x^3+3*x^2)/(x-1)/(x^2+x+1)/(x^4-2*x^3-x+1)$  lgdogf  
 A113436 8.39353  $[-(x-1)*(2*x-1)^2/(x^4-11*x^3+15*x^2-7*x+1)$  ogf]  
 A113436 8.55544  $-(2+10*x+2*x^5-20*x^2+18*x^3-7*x^4)/(x-1)/(2*x-1)/$   
 $(x^4-11*x^3+15*x^2-7*x+1)$  lgdogf  
 A113437 7.92501  $[-(2*x-1)*(x-1)^2/(x^4-11*x^3+15*x^2-7*x+1)$  ogf]  
 A113437 7.96576  $-(3+17*x-35*x^2+29*x^3-8*x^4+2*x^5)/(x-1)/(-1+2*x)/$   
 $(x^4-11*x^3+15*x^2-7*x+1)$  lgdogf  
 A113438 10.7944  $-(4-16*x+x^4-4*x^3+18*x^2)/(x-1)/(x^4-11*x^3+15*x^2-7*x+1)$   
 lgdogf  
 A113438 9.56809  $[-(x-1)^3/(x^4-11*x^3+15*x^2-7*x+1)$  ogf]  
 A113439 13.6501  $-(1+4*x^3-2*x^4+x^8)/(x-1)/(x+1)/(x^2+1)/(x^5-2*x^4-x+1)$  lgdogf  
 A113439 13.6762  $[-(x^2+1)*(x-1)*(x+1)/(x^5-2*x^4-x+1)$  ogf]  
 A113440 6.07901  $[-(x-1)*(2*x-1)^3/(x^5-20*x^4+38*x^3-28*x^2+9*x-1)$  ogf]  
 A113440 6.48001  $-(2-12*x+2*x^6+32*x^2-44*x^3+29*x^4-8*x^5)/(x-1)/(-1+2*x)/$   
 $(x^5-20*x^4+38*x^3-28*x^2+9*x-1)$  lgdogf  
 A113441 6.20699  $[-(2*x-1)^2*(x-1)^2/(x^5-20*x^4+38*x^3-28*x^2+9*x-1)$  ogf]  
 A113441 6.69374  $-(3-21*x+60*x^2-82*x^3+49*x^4-9*x^5+2*x^6)/(x-1)/(2*x-1)/$   
 $(x^5-20*x^4+38*x^3-28*x^2+9*x-1)$  lgdogf  
 A113442 6.43429  $[-(2*x-1)*(x-1)^3/(x^5-20*x^4+38*x^3-28*x^2+9*x-1)$  ogf]  
 A113442 6.57771  $-(4-30*x+88*x^2-120*x^3+69*x^4-10*x^5+2*x^6)/(x-1)/(-1+2*x)/$   
 $(x^5-20*x^4+38*x^3-28*x^2+9*x-1)$  lgdogf  
 A113443 6.56493  $[-(x-1)^4/(x^5-20*x^4+38*x^3-28*x^2+9*x-1)$  ogf]  
 A113443 8.46153  $-(5+29*x-5*x^4+42*x^3+x^5-58*x^2)/(x-1)/$   
 $(x^5-20*x^4+38*x^3-28*x^2+9*x-1)$  lgdogf  
 A113444 13.1367  $-(1+x^{10}-2*x^5+5*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^6-2*x^5-x+1)$   
 lgdogf  
 A113444 14.3302  $[-(x-1)*(x^4+x^3+x^2+x+1)/(x^6-2*x^5-x+1)$  ogf]  
 A113446 7.51949  $[-(2*x^8-x^7+2*x^6-x^4+x^3+2*x^2-2*x+1)/(-x^9-x^6-x^3-1)$   
 ogf\_with\_Euler\_transform]  
 A113447 9.07022  $[-(-2*x^7+x^6-2*x^4-x^3+2*x^2-1)/(x^8+x^4+1)$   
 ogf\_with\_Euler\_transform]  
 A113448 4.42909  $[-(2*x^{14}-x^{13}+x^{12}+x^{11}+x^8-x^7+x^6+x^5+x^2-x+1)/(-x^{15}-x^{12}-$   
 $x^9-x^6-x^3-1)$  ogf\_with\_Euler\_transform]  
 A113449 9.42819  $-4*(-1+6*x-9*x^2-9*x^3+3*x^4)/(-1+4*x)/(x^2+1-6*x)/(x^2+2*x-1)$   
 lgdogf  
 A113449 9.62461  $[2*(4*x-1)/(x^2-6*x+1)/(x^2+2*x-1)$  ogf]  
 A113450 8.99517  $[2*x*(x-2)/(x^2-6*x+1)/(x^2+2*x-1)$  ogf]  
 A113450 9.58275  $-(-15+48*x+12*x^2-16*x^3+3*x^4)/(x-2)/(x^2+1-6*x)/(x^2+2*x-1)$   
 lgdogf  
 A113497 16.4165  $[(4*x^2+3*x+1)/(x+1)^2/(x-1)^2$  ogf]  
 A113497 8.47198  $-(3+12*x+8*x^3+9*x^2)/(-1+x)/(x+1)/(4*x^2+3*x+1)$  lgdogf  
 A113500 4.96982  $[(x^4-140*x^3-965*x^2+894*x-32)/(x-1)/(x+1)/(x^2-123*x+1)$  ogf]  
 A113531 5.51153  $[(3*x^5+117*x^4+374*x^3+210*x^2+15*x+1)/(x-1)^6$  ogf]  
 A113531 7.65106  $-3*(7+165*x+83*x^4+530*x^3+x^5+654*x^2)/(x-1)/$   
 $(3*x^5+117*x^4+374*x^3+210*x^2+15*x+1)$  lgdogf  
 A113532 4.40387  $[-(4*x^6+285*x^5+1857*x^4+2278*x^3+594*x^2+21*x+1)/(x-1)^7$  ogf]  
 A113532 5.53972  $-2*(14+657*x+4902*x^2+8270*x^3+3498*x^4+297*x^5+2*x^6)/(x-1)/$   
 $(4*x^6+285*x^5+1857*x^4+2278*x^3+594*x^2+21*x+1)$  lgdogf  
 A113541 13.3180  $[(x^2+17*x+1)/(x+1)/(x-1)^2$  ogf]  
 A113541 17.6035  $-(18+22*x+x^3+35*x^2)/(x-1)/(x+1)/(x^2+17*x+1)$  lgdogf  
 A113541 7.24315  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 18, a(2) = 20},$   
 ogf]  
 A113551 15.3681  $1/(1+3*x)^2*((1+3*x)*(x+1))^{(1/2)*x}$  revegf  
 A113553 6.34373  $[-(x^7-x^6+x^5-x^4-x^3-2*x^2-2*x-1)/(x^2+1)/(x-1)^2$  ogf]  
 A113574 4.99956  $[(2*x^8+2*x^7+x^6+4*x^5+2*x^4+4*x^3+2*x^2+2*x+1)/(x-1)/$   
 $(10*x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
 A113596 4.86501  $[-x*(4*x^5+80*x^4+120*x^3+65*x^2+10*x+1)/(x-1)^9$  ogf]

A113596 8.36925  $-(19+210*x+16*x^5+420*x^4+1040*x^3+815*x^2)/(x-1)/(4*x^5+80*x^4+120*x^3+65*x^2+10*x+1)$  lgdogf  
A113618 3.98188  $[(4*x^7+679*x^6+7956*x^5+18907*x^4+11212*x^3+1533*x^2+28*x+1)/(x-1)^8$  ogf]  
A113630 3.23681  $[-(5*x^8+1548*x^7+31360*x^6+129620*x^5+148266*x^4+48316*x^3+3728*x^2+36*x+1)/(x-1)^9$  ogf]  
A113655 13.0160  $[(2*x^3-x^2-x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
A113655 16.9422  $-2*(1+x^5-x^3+8*x^2)/(x-1)/(x^2+x+1)/(2*x^3-x^2-x+3)$  lgdogf  
A113655 5.47623  $[ \{ (-n-4)*a(n+1)-a(n+2)-a(n+3)+(n+3)*a(n+4), a(0) = 3, a(1) = 2, a(2) = 1, a(3) = 6 \},$  ogf]  
A113660 5.73327  $[-(2*x^8-6*x^7+9*x^6-2*x^5-3*x^4+3*x^3+4*x^2-9*x+6)/(-x^9-x^6-x^3-1)$  ogf\_with\_Euler\_transform]  
A113677 3.60420  $[ \{ (-16*n^2-80*n-84)*a(n+1)+(n+3)*a(n+2), a(0) = 3, a(1) = 30 \},$  ogf]  
A113677 7.74235  $[3*\text{hypergeom}([1/2, 5/2],[2],16*x),$  egf]  
A113679 12.7075  $[(x+1)*(2*x-1)/(x-1)$  ogf]  
A113679 28.7079  $2*x*(x-2)/(x-1)/(2*x-1)/(x+1)$  lgdogf  
A113679 6.88961  $[ \{ a(n+3)-a(n+2), a(0) = 1, a(1) = 0, a(2) = -2 \},$  ogf]  
A113681 8.78862  $[ -(-x^4+x^3-x^2-x+1)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A113683 11.5329  $[ 2*(8*x^6+24*x^5-2*x^4-6*x^3-2*x^2-21*x-5)/(x-1)/(x+1)$  ogf]  
A113683 9.44945  $(21+14*x+72*x^6-126*x^4+8*x^3-52*x^5+39*x^2+32*x^7)/(x-1)/(x+1)/(8*x^6+24*x^5-2*x^4-6*x^3-2*x^2-21*x-5)$  lgdogf  
A113684 11.3637  $-(4-2*x+4*x^4+2*x^3+3*x^5-9*x^2)/(x-1)/(x^2+x-1)/(x^3+x^2-1)$  lgdogf  
A113684 8.54702  $[-x*(x^3+x^2-1)/(x-1)^2/(x^2+x-1)^2$  ogf]  
A113687 8.04029  $[ -(-2*x^4+x^3-x^2+x-1)/(x^5-x^4+x^3-x^2+x-1)$  ogf\_with\_Euler\_transform]  
A113706 16.6166  $[ -(1+x)/(-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A113726 15.6386  $-2*x*(1+2*x)*(4*x+1)/(2*x-1)/(x+1)/(2*x^2+x+1)$  lgdogf  
A113726 16.2213  $[-1/(x+1)/(2*x-1)/(2*x^2+x+1)$  ogf]  
A113727 15.3432  $[-1/(x^2+2*x-1)/(x+1)^2$  ogf]  
A113727 24.2943  $-4*x*(x+2)/(x+1)/(x^2+2*x-1)$  lgdogf  
A113727 3.52267  $[ \{ (n+4)*a(n+4)+(-n-3)*a(n+3)+(-14-3*n)*a(n+2)+(-5-n)*a(n+1), a(0) = 1, a(1) = 0, a(2) = 4, a(3) = 4 \},$  ogf]  
A113754 6.28542  $[ -(x+1)*(x^2+18*x+1)*(x^2+4*x+1)/(x-1)^7$  ogf]  
A113754 8.43221  $-2*(15+165*x+37*x^4+238*x^3+x^5+384*x^2)/(x-1)/(x+1)/(x^2+18*x+1)/(x^2+4*x+1)$  lgdogf  
A113763 28.8762  $[-x^{12}+x^{11}+2$  ogf\_with\_Euler\_transform]  
A113763 6.15138  $[(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A113770 14.7629  $[(x+1)*(7*x+1)/(x-1)^2$  ogf]  
A113770 24.7325  $-2*(5+11*x)/(x-1)/(7*x+1)/(x+1)$  lgdogf  
A113770 7.52340  $[ \{ -a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 10, a(2) = 26 \},$  ogf]  
A113772 10.2585  $[ -(x^3-2*x^2+6*x-2)/(x^2+x-1)^3$  ogf]  
A113772 11.0732  $-x*(-4+3*x^3-8*x^2+31*x)/(x^2+x-1)/(x^3-2*x^2+6*x-2)$  lgdogf  
A113774 6.82558  $2/3*\exp(x)+1/3*3^{(1/2)*\exp(-1/2*x)*\sin(1/2*3^{(1/2)*x})+1/3*\exp(-1/2*x)*\cos(1/2*3^{(1/2)*x})$  lgdegf  
A113775 12.5298  $(-n-5)*a(n+1)+(n+2)*a(n+4), a(0)=1, a(1)=2, a(2)=0, a(3)=4$  lgdegf  
A113778 5.20227  $-(3+x+x^6-x^5+3*x^7-3*x^4+29*x^3-x^2)/(-1+x)/(x+1)/(1+x^2)/(3*x^4-x^3-x^2-x+4)$  lgdogf  
A113778 5.46145  $[(3*x^4-x^3-x^2-x+4)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A113779 11.6547  $[ \{ a(n+3)-a(n), a(0) = 17, a(1) = 9, a(2) = 8 \},$  ogf]  
A113779 14.6607  $-(9+16*x+8*x^4+18*x^3+51*x^2)/(x-1)/(x^2+x+1)/(8*x^2+9*x+17)$  lgdogf  
A113779 17.9483  $[ -(8*x^2+9*x+17)/(x-1)/(x^2+x+1)$  ogf]  
A113780 8.05575  $[ -(-2*x^6+x^5-4*x^4-4*x^2-3)/(x^7+x^6+2*x^5+2*x^4+2*x^3+2*x^2+x+1)$  ogf\_with\_Euler\_transform]  
A113790 10.5659  $[(x^5-x^4+2*x^3+2*x^2-x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A113790 8.80994  $-(1+5*x-x^5+19*x^4+10*x^6+6*x^7-x^8+x^9+x^3+9*x^2)/(x-1)/$

$(x^4+x^3+x^2+x+1)/(x^5-x^4+2x^3+2x^2-x+2)$  lgdogf  
A113801 13.3793 [  $(x^2+12x+1)/(x+1)/(x-1)^2$  ogf]  
A113801 17.6845  $-(13+17x+x^3+25x^2)/(x-1)/(x+1)/(x^2+12x+1)$  lgdogf  
A113801 7.27646 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 13, a(2) = 15\}$ , ogf]  
A113802 13.4440 [  $2*(x^2+5x+1)/(x+1)/(x-1)^2$  ogf]  
A113802 18.5794  $-(6+10x+x^3+11x^2)/(x-1)/(x+1)/(x^2+5x+1)$  lgdogf  
A113802 7.31162 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 12, a(2) = 16\}$ , ogf]  
A113803 13.0173 [  $(3x^2+8x+3)/(x+1)/(x-1)^2$  ogf]  
A113803 15.8812  $-(11+23x+3x^3+19x^2)/(x-1)/(x+1)/(3x^2+8x+3)$  lgdogf  
A113803 6.96542 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 11, a(2) = 17\}$ , ogf]  
A113804 12.6958 [  $2*(2x^2+3x+2)/(x+1)/(x-1)^2$  ogf]  
A113804 16.1412  $-(5+13x+8x^2+2x^3)/(x-1)/(x+1)/(2x^2+3x+2)$  lgdogf  
A113804 6.79336 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 4, a(1) = 10, a(2) = 18\}$ , ogf]  
A113805 12.9523 [  $(5x^2+4x+5)/(x+1)/(x-1)^2$  ogf]  
A113805 16.1293  $-(9+29x+5x^3+13x^2)/(x-1)/(x+1)/(5x^2+4x+5)$  lgdogf  
A113805 6.99193 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 9, a(2) = 19\}$ , ogf]  
A113806 12.9523 [  $2*(3x^2+x+3)/(x+1)/(x-1)^2$  ogf]  
A113806 17.2046  $-(4+16x+3x^3+5x^2)/(x-1)/(x+1)/(3x^2+x+3)$  lgdogf  
A113806 6.99193 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 6, a(1) = 8, a(2) = 20\}$ , ogf]  
A113828 6.38588  $-(9-32x-1216x^4-192x^3+4096x^7+1024x^6-80x^2)/(x-1)/(8x^2-1)/(32x^3+16x^2+8x+1)/(8x^2+1)$  lgdogf  
A113828 8.92630 [  $(32x^3+16x^2+8x+1)/(x-1)/(8x^2+1)/(8x^2-1)$  ogf]  
A113829 6.71649 [  $(256x^5+128x^4+32x^3+16x^2+8x+1)/(x-1)/(4x-1)/(4x+1)/(16x^2+4x+1)/(16x^2-4x+1)$  ogf]  
A113835 12.0488 [  $(4x+1)/(x-1)/(8x^2-1)$  ogf]  
A113835 13.3097  $-(5-16x-8x^2+64x^3)/(x-1)/(4x+1)/(8x^2-1)$  lgdogf  
A113835 5.65122 [  $\{a(n+3)-a(n+2)-8a(n+1)+8a(n), a(0) = 1, a(1) = 5, a(2) = 13\}$ , ogf]  
A113836 11.8029 [  $(2x+1)/(x-1)/(8x^2-1)$  ogf]  
A113836 13.3157  $-(4x+3)*(8x^2-4x-1)/(x-1)/(2x+1)/(8x^2-1)$  lgdogf  
A113836 5.53588 [  $\{a(n+3)-a(n+2)-8a(n+1)+8a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]  
A113841 10.1899 [  $(4x^2+2x+1)/(4x-1)/(x-1)/(16x^2+4x+1)$  ogf]  
A113841 8.17213  $-(3-8x+128x^4+512x^5-188x^2)/(x-1)/(-1+4x)/(4x^2+2x+1)/(16x^2+4x+1)$  lgdogf  
A113854 7.22692  $-(3-64x-160x^2-1664x^4+4096x^5)/(-1+x)/(-1+4x)/(32x^2+2x+1)/(16x^2+4x+1)$  lgdogf  
A113854 9.45547 [  $(32x^2+2x+1)/(4x-1)/(x-1)/(16x^2+4x+1)$  ogf]  
A113859 10.4568 [  $-(6x^2-14x+7)/(x-1)/(2x^2-4x+1)$  ogf]  
A113859 5.68704 [  $\{-a(n+3)+5a(n+2)-6a(n+1)+2a(n), a(0) = 7, a(1) = 21, a(2) = 69\}$ , ogf]  
A113859 9.63045  $-(21-72x+12x^4-56x^3+96x^2)/(x-1)/(2x^2-4x+1)/(6x^2-14x+7)$  lgdogf  
A113861 16.2678 [  $x*(2x+1)/(x+1)/(2x-1)^2$  ogf]  
A113861 21.2628  $-(5+10x+8x^2)/(2x+1)/(2x-1)/(x+1)$  lgdogf  
A113861 8.57118 [  $\{-a(n+3)+3a(n+2)-4a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$ , ogf]  
A113867 6.71404  $-(17-64x+1024x^4-1792x^3+4096x^5-160x^2)/(x-1)/(-1+4x)/(16x^2+4x+1)/(32x^2+16x+1)$  lgdogf  
A113867 9.69589 [  $(32x^2+16x+1)/(4x-1)/(x-1)/(16x^2+4x+1)$  ogf]  
A113870 5.54765 [  $\{a(n+3)-a(n+2)-16a(n+1)+16a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$ , ogf]  
A113870 9.38969  $-(3+8x+192x^4-64x^3-4x^2)/(x-1)/(4x-1)/(4x+1)/(12x^2-2x-1)$  lgdogf  
A113870 9.88175 [  $-(12x^2-2x-1)/(x-1)/(4x-1)/(4x+1)$  ogf]  
A113876 10.3413 [  $-(8x^2-4x-1)/(x-1)/(4x-1)/(4x+1)$  ogf]

A113876 5.66522 [ $[-a(n+3)+a(n+2)+16a(n+1)-16a(n)$ ,  $a(0) = 1$ ,  $a(1) = 5$ ,  $a(2) = 13$ ], ogf]  
A113876 9.25780  $-(5+16x+128x^4-128x^3+24x^2)/(x-1)/(-1+4x)/(4x+1)/(8x^2-4x-1)$  lgdogf  
A113920 30.5112  $3x^2(2x-3)/(x-1)/(x^3-x+1)$  lgdogf  
A113920 8.19249 [ $-(x^3-x+1)^3/(x-1)^3$  ogf]  
A113922 21.7813  $2(-23-10x+x^2)/(x-1)/(x^2+14x+1)$  lgdogf  
A113922 3.78577 [ $\{(n+4)a(n+4)+(-7+13n)a(n+3)+(-46-13n)a(n+2)+(1-n)a(n+1)$ ,  $a(0) = 1$ ,  $a(1) = 46$ ,  $a(2) = 769$ ,  $a(3) = 5632$ ], ogf]  
A113922 7.05529 [ $(x^2+14x+1)^3/(x-1)^4$  ogf]  
A113923 6.02057  $1/(-1+x)/(3x-4)$  lgdogf  
A113946 14.0249  $-(5+36x+16x^2)/(4x-1)/(2x+1)/(1+4x)/(x+1)$  lgdogf  
A113946 4.83718 [ $\{a(n+4)+a(n+3)-16a(n+2)-16a(n+1)$ ,  $a(0) = 1$ ,  $a(1) = 5$ ,  $a(2) = 23$ ,  $a(3) = 81$ ], ogf]  
A113946 9.13689 [ $-(2x+1)^3/(4x-1)/(4x+1)/(x+1)$  ogf]  
A113954 14.2885 [ $(2x^2-1)/(2x-1)/(x+1)^2$  ogf]  
A113954 17.3633  $-2x(-1+2x^2-2x)/(2x-1)/(x+1)/(2x^2-1)$  lgdogf  
A113954 8.14290 [ $\{a(n+3)-3a(n+1)-2a(n)$ ,  $a(0) = 1$ ,  $a(1) = 0$ ,  $a(2) = 1$ ], ogf]  
A113968 10.4466 [ $-x^2(2x+1)/(4x-1)/(4x+1)/(x+1)$  ogf]  
A113968 12.0670  $-(1+32x+64x^3+80x^2)/(-1+4x)/(1+2x)/(4x+1)/(x+1)$  lgdogf  
A113968 4.98588 [ $\{a(n+4)+a(n+3)-16a(n+2)-16a(n+1)$ ,  $a(0) = 0$ ,  $a(1) = 0$ ,  $a(2) = 1$ ,  $a(3) = 1$ ], ogf]  
A113973 9.17951 [ $-(2x^5-5x^3+x^2+5x-2)/(-x^6+x^5-x^3+x-1)$  ogf\_with\_Euler\_transform]  
A113975 5.16011 [ $-(x+2)(x+1)/(x-1)$  ogf]  
A113975 7.04328  $(-5-2x+x^2)/(-1+x)/(2+x)/(x+1)$  lgdogf  
A113976 4.76325 [ $\{a(n+4)-4a(n+3)+3a(n+2)$ ,  $a(0) = 14$ ,  $a(1) = 133$ ,  $a(2) = 616$ ,  $a(3) = 2128$ ], ogf]  
A113976 8.80479 [ $7(3x+2)(3x+1)(x+1)/(3x-1)/(x-1)$  ogf]  
A113977 8.58713 [ $-(-3x^8-x^7-3x^6-x^5+4x^4-x^3-3x^2-x-3)/(x^{10}-1)$  ogf\_with\_Euler\_transform]  
A113979 12.4525 [ $-x(3x-2)/(2x-1)/(2x^2-1)$  ogf]  
A113979 14.5688  $-(1+8x+24x^3-30x^2)/(2x-1)/(3x-2)/(2x^2-1)$  lgdogf  
A113979 6.39452 [ $\{a(n+3)-2a(n+2)-2a(n+1)+4a(n)$ ,  $a(0) = 0$ ,  $a(1) = 2$ ,  $a(2) = 1$ ], ogf]  
A113980 11.6359 [ $(x-1)^2/(2x-1)/(2x^2-1)$  ogf]  
A113980 16.6500  $-2x(3+2x^2-6x)/(x-1)/(2x-1)/(2x^2-1)$  lgdogf  
A113980 6.39452 [ $\{a(n+3)-2a(n+2)-2a(n+1)+4a(n)$ ,  $a(0) = 1$ ,  $a(1) = 0$ ,  $a(2) = 3$ ], ogf]  
A114014 11.1484  $(-7-38x+16x^2+32x^3)/(-1+4x)/(2x+1)/(4x+1)/(x+1)$  lgdogf  
A114014 4.06991 [ $\{-a(n+5)-a(n+4)+16a(n+3)+16a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 7$ ,  $a(2) = 33$ ,  $a(3) = 127$ ,  $a(4) = 529$ ], ogf]  
A114014 7.49459 [ $-(2x+1)^4/(4x-1)/(4x+1)/(x+1)$  ogf]  
A114022 6.41173 [ $-x(26x^{14}-2x^{13}-2x^{12}-2x^{11}-2x^{10}+48x^9-66x^8+5x^3-4x^2-x-1)/(x-1)^2$  ogf]  
A114040 11.8223  $-(-9+28x+7x^4-4x^3-38x^2)/(x-1)/(x^2-6x+1)/(7x^2-2x-1)$  lgdogf  
A114040 12.0280 [ $(7x^2-2x-1)/(x-1)/(x^2-6x+1)$  ogf]  
A114040 6.49296 [ $\{a(n+3)-7a(n+2)+7a(n+1)-a(n)$ ,  $a(0) = 1$ ,  $a(1) = 9$ ,  $a(2) = 49$ ], ogf]  
A114044 7.36764 [ $(x^2+x+1)(x^{23}-x^{22}+x^{20}-x^{19}+x^{17}-x^{16}+x^{14}-x^{13}+x^{11}-x^{10}-x^3+x^2-1)/(2x^{25}+x^{20}+2x^{15}+2x^{11}+x^{10}+2x^6+x^2-1)$  ogf]  
A114046 11.6937 [ $-(1151x-1)/(x^2-2302x+1)$  ogf]  
A114046 12.7487  $-(1151-2x+1151x^2)/(1151x-1)/(x^2-2302x+1)$  lgdogf  
A114046 6.77702 [ $\{a(n+2)-2302a(n+1)+a(n)$ ,  $a(0) = 1$ ,  $a(1) = 1151$ ], ogf]  
A114047 11.0827 [ $-(649x-1)/(x^2-1298x+1)$  ogf]  
A114047 6.36937 [ $\{a(n+2)-1298a(n+1)+a(n)$ ,  $a(0) = 1$ ,  $a(1) = 649$ ], ogf]  
A114047 9.59160  $-1/2(-1-1298x+(1+1684800x^2)^{1/2})/(x+649)$  revogf  
A114048 11.2442  $-2(85-x+85x^2)/(170x-1)/(x^2-340x+1)$  lgdogf  
A114048 5.34544 [ $\{a(n+2)-340a(n+1)+a(n)$ ,  $a(0) = 1$ ,  $a(1) = 170$ ], ogf]



A114048 9.38180 [  $-(170x-1)/(x^2-340x+1)$  ogf]  
A114049 11.4436  $-(55-2x+55x^2)/(55x-1)/(x^2-110x+1)$  lgdogf  
A114049 5.37131 [  $\{a(n+2)-110a(n+1)+a(n), a(0) = 1, a(1) = 55\}$ , ogf]  
A114049 9.51169 [  $-(55x-1)/(x^2-110x+1)$  ogf]  
A114050 11.0046  $-(197-2x+197x^2)/(197x-1)/(x^2-394x+1)$  lgdogf  
A114050 5.48992 [  $\{a(n+2)-394a(n+1)+a(n), a(0) = 1, a(1) = 197\}$ , ogf]  
A114050 9.63537 [  $-(197x-1)/(x^2-394x+1)$  ogf]  
A114051 13.2017  $-1/2*(-1-48x+(1+2300x^2)^{1/2})/(x+24)$  revogf  
A114051 13.2730 [  $-(24x-1)/(x^2-48x+1)$  ogf]  
A114051 13.8966  $-2*(12-x+12x^2)/(24x-1)/(x^2-48x+1)$  lgdogf  
A114051 7.42658 [  $\{a(n+2)-48a(n+1)+a(n), a(0) = 1, a(1) = 24\}$ , ogf]  
A114052 11.6389 [  $-(26x-1)/(x^2-52x+1)$  ogf]  
A114052 13.4048  $-1/2*(-1-52x+(1+2700x^2)^{1/2})/(x+26)$  revogf  
A114052 14.1104  $-2*(13-x+13x^2)/(26x-1)/(x^2-52x+1)$  lgdogf  
A114052 6.51221 [  $\{a(n+2)-52a(n+1)+a(n), a(0) = 1, a(1) = 26\}$ , ogf]  
A114091 5.44457 [  $-(x^8-2x^5-x^4-x^3+2x^2+x+1)/(x-1)^3/(x^2+x+1)^3$  ogf]  
A114091 5.69416  $-(1+4x-5x^6-6x^5+4x^4+4x^3+x^2+10+6x^2)/(-1+x)/(x^2+x+1)/(x^8-2x^5-x^4-x^3+2x^2+x+1)$  lgdogf  
A114099 19.7757 [  $x^8/(-x^9+1)$  ogf\_with\_Euler\_transform]  
A114099 6.31546 [  $(x+1)*(x^2-x+1)*(x^6-x^3+1)*(x^{36}-x^{27}+1)/(3x^{45}+x^{36}-2x^{27}-2x^{18}+1)$  ogf]  
A114111 6.23771 [  $-(9608x^{22}-9608x^{21}+24x^{16}-24x^{15}+8x^9-4x^8-4x^7+2x^6-2x^5-x^3-1)/(x-1)^2$  ogf]  
A114112 11.6636 [  $(x^4-2x^3+x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A114112 14.6832  $(-2-6x+x^5-x^4-3x^3+3x^2)/(x-1)/(x+1)/(x^4-2x^3+x^2+x+1)$  lgdogf  
A114113 10.7249 [  $-(x^4-2x^3+x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A114113 16.1988  $-(3+8x+2x^3-x^2)/(x-1)/(x+1)/(x^4-2x^3+x^2+x+1)$  lgdogf  
A114119 12.9918 [  $-(x^3-x^2-2x-1)/(x+1)/(x-1)^2$  ogf]  
A114119 21.4497  $(x+3)*(2x+1)/(x-1)/(x+1)/(x^3-x^2-2x-1)$  lgdogf  
A114119 6.79117 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 6\}$ , ogf]  
A114121 4.67185 [  $\{(-16n-8)*a(n)+(8n+10)*a(n+1)+(-n-2)*a(n+2), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
A114122 8.09680 [  $-(x+1)^2/(2x^2-1)/(2x^2+2x+1)$  ogf]  
A114122 9.54918  $-2x*(2x+1)*(1+2x^2+4x)/(x+1)/(2x^2-1)/(1+2x^2+2x)$  lgdogf  
A114138 4.36109 [  $(x^{19}-2x^{18}-x^9+2x^8-x^4+2x^3-x+1)/(4x^{19}-4x^{18}+2x^{14}-4x^{13}+2x^{11}-2x^{10}-2x^9+2x^6-2x^5-3x^4+3x^3-2x+1)$  ogf]  
A114140 4.36109 [  $(x^{19}-2x^{18}-x^9+2x^8-x^4+2x^3-x+1)/(4x^{19}-4x^{18}+2x^{14}-4x^{13}+2x^{11}-2x^{10}-2x^9+2x^6-2x^5-3x^4+3x^3-2x+1)$  ogf]  
A114142 11.0046 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 2, a(1) = 3\}$ , ogf]  
A114142 20.0528 [  $-(x-2)/(x-1)^2$  ogf]  
A114142 30.5266  $x/(1+x)^{1/2}/(1+(1+x)^{1/2})$  revogf  
A114142 49.1817  $-(x-3)/(x-1)/(x-2)$  lgdogf  
A114143 15.0214  $-(-2-x+(x+4)^{1/2})/(x+3)$  revogf  
A114143 15.6473  $-(-5+3x)/(-1+x)/(3x-4)$  lgdogf  
A114143 4.75584 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 4, a(1) = 5\}$ , ogf]  
A114143 8.66620 [  $-(3x-4)/(x-1)^2$  ogf]  
A114182 8.02856 [  $x*(x^2-7x+16)/(x^2-7x+1)/(x-1)^2$  ogf]  
A114185 10.5632 [  $x*(x-2)^2/(x^2-3x+1)/(x-1)^2$  ogf]  
A114185 3.87493 [  $\{(-n-6)*a(n+1)+(4n+23)*a(n+2)+(-4n-21)*a(n+3)+(n+5)*a(n+4), a(0) = 0, a(1) = 4, a(2) = 16, a(3) = 49\}$ , ogf]  
A114185 5.90117  $-(-8+19x+2x^3-11x^2)/(x-2)/(-1+x)/(x^2-3x+1)$  lgdogf  
A114190 10.2450  $1/2*(4x+29x^2-24x^3+(1+8x)*(x^2+10x-2)^2)^{1/2}/(1+8x)/(x^3-2x^2-1)$  lgdogf  
A114191 18.3873  $1/2*(-1-8x+3*(1+8x)^{1/2})/(1+8x)/(x-1)$  lgdogf  
A114191 26.6299  $1/4*(3+x+(1+6x+x^2)^{1/2})*x$  revogf  
A114191 4.94597 [  $\{(-8n-12)*a(n+1)+(7n+9)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) =$

$-1, a(2) = 3\}$ , ogf]  
A114196 11.7528 [  $-(3*x-1)/(x^3+8*x^2-6*x+1)$  ogf]  
A114196 12.7122  $-(3-16*x+21*x^2+6*x^3)/(3*x-1)/(x^3+8*x^2-6*x+1)$  lgdogf  
A114196 5.51237 [ $\{a(n+3)-6*a(n+2)+8*a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]  
A114199 12.0588  $-2*(-1+3*x+x^4-x^3-3*x^2)/(x-1)/(x^4+2*x^3-5*x^2+4*x-1)$  lgdogf  
A114199 9.80926 [  $-(x-1)^2/(x^4+2*x^3-5*x^2+4*x-1)$  ogf]  
A114203 10.2529 [  $-(x-1)^2/(2*x^2-2*x+1)/(x^2+2*x-1)$  ogf]  
A114203 11.3745  $-2*(-1+3*x+2*x^4-3*x^3-3*x^2)/(x-1)/(2*x^2-2*x+1)/(x^2+2*x-1)$  lgdogf  
A114208 6.69161 [  $-(2*x^6+2*x^5+2*x^4+2*x^3+x^2+x+1)/(x^2+x+1)/(x-1)^3/(x+1)^3$  ogf]  
A114208 7.16756  $-2*x*(3+21*x^4+18*x^3+15*x^2+4*x^7+2*x^8+17*x^5+10*x^6+9*x)/(x-1)/(x+1)/(x^2+x+1)/(2*x^6+2*x^5+2*x^4+2*x^3+x^2+x+1)$  lgdogf  
A114209 14.4062 [  $-x/(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A114209 22.9045  $-x*(4+7*x+7*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A114209 35.0255 [ $[x^2+2*x]$  ogf\_with\_Euler\_transform]  
A114210 6.48412 [  $-x*(x^6+x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(x^2+x+1)/(x-1)^3/(x+1)^3$  ogf]  
A114210 6.98533  $-(1+8*x+38*x^5+43*x^4+40*x^3+4*x^8+2*x^9+25*x^6+14*x^7+23*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^6+x^5+2*x^4+2*x^3+2*x^2+2*x+1)$  lgdogf  
A114211 15.5613  $-2*(1+x)*(x^2-4*x-2)/(x-1)/(2*x^3-6*x^2-1)$  lgdogf  
A114211 9.15096 [  $-(2*x^3-6*x^2-1)/(x-1)^4$  ogf]  
A114215 7.34942  $-2*(1+4*x-5*x^6+6*x^4+2*x^3+3*x^5+2*x^2-4*x^7+x^9)/(x+1)/(x^2+1)/(x^2-x-1)/(x^3-x^2-x-1)$  lgdogf  
A114215 9.49553 [  $-x*(x+1)*(x^3-x^2-x-1)/(x^2+1)/(x^2-x-1)/(x^2-x-1)$  ogf]  
A114220 10.0595 [  $-(2*x^3-x^2-x+1)/(x+1)^2/(x-1)^3$  ogf]  
A114220 18.3202  $-x*(2-x^2+4*x^3+x)/(x-1)/(x+1)/(2*x^3-x^2-x+1)$  lgdogf  
A114239 10.4131  $-2*(9+55*x+2*x^4+27*x^3+75*x^2)/(x-1)/(x^4+10*x^3+20*x^2+10*x+1)$  lgdogf  
A114239 3.75563 [ $\{(-n^2-9*n-20)*a(n+1)+(2*n^2+16*n+60)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 18, a(2) = 136\}$ , ogf]  
A114239 5.43815 [  $(x^4+10*x^3+20*x^2+10*x+1)/(x-1)^8$  ogf]  
A114240 13.6728  $-(15+68*x+8*x^3+56*x^2)/(x-1)/(2*x^3+10*x^2+8*x+1)$  lgdogf  
A114240 3.57562 [ $\{(-102*n^2-922*n-2060)*a(n+1)+(155*n^2+985*n+2730)*a(n+2)+(-53*n^2-357*n-594)*a(n+3), a(0) = 1, a(1) = 15, a(2) = 94\}$ , ogf]  
A114240 6.57779 [  $-(2*x^3+10*x^2+8*x+1)/(x-1)^7$  ogf]  
A114241 19.0616  $-2*(x+2)*(8*x+3)/(x-1)/(4*x^2+6*x+1)$  lgdogf  
A114241 7.95544 [  $(4*x^2+6*x+1)/(x-1)^6$  ogf]  
A114242 14.2573  $-(14+54*x+5*x^3+39*x^2)/(x-1)/(x+1)/(x^2+5*x+1)$  lgdogf  
A114242 3.77659 [ $\{(-n^2-11*n-30)*a(n+1)+(2*n^2+18*n+56)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 14, a(2) = 90\}$ , ogf]  
A114242 5.99616 [  $(x+1)*(x^2+5*x+1)/(x-1)^8$  ogf]  
A114243 19.1731  $-3*(x+2)*(5*x+2)/(x-1)/(3*x^2+5*x+1)$  lgdogf  
A114243 4.01919 [ $\{(n+4)*a(n+4)+4*n*a(n+3)+(-40-2*n)*a(n+2)+(-18-3*n)*a(n+1), a(0) = 1, a(1) = 12, a(2) = 66, a(3) = 245\}$ , ogf]  
A114243 8.03837 [  $-(3*x^2+5*x+1)/(x-1)^7$  ogf]  
A114244 14.9780  $-(13+48*x+4*x^3+33*x^2)/(x-1)/(x+1)/(x^2+5*x+1)$  lgdogf  
A114244 3.98724 [ $\{(-n^2-9*n-20)*a(n+1)+(2*n^2+16*n+50)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 13, a(2) = 76\}$ , ogf]  
A114244 6.83528 [  $-(x+1)*(x^2+5*x+1)/(x-1)^7$  ogf]  
A114254 14.6208  $-(25+77*x+3*x^3+23*x^2)/(x-1)/(3*x^3+7*x^2+21*x+1)$  lgdogf  
A114254 3.84212 [ $\{(47*n^2+217*n+246)*a(n+1)+(74*n^2+909*n+1947)*a(n+2)+(-121*n^2-622*n-777)*a(n+3), a(0) = 1, a(1) = 25, a(2) = 101\}$ , ogf]  
A114254 9.55605 [  $(3*x^3+7*x^2+21*x+1)/(x-1)^4$  ogf]  
A114277 3.44143 [ $\{(-4*n^2-34*n-72)*a(n+1)+(5*n^2+44*n+93)*a(n+2)+(-n^2-10*n-21)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 19\}$ , ogf]  
A114277 8.47480  $20-53*x+36*x^2+(-4+26*x-46*x^2+24*x^3)*f(x)+(6*x^2+4*x^4-9*x^3-x)*f(x)^2$  lgdogf  
A114285 14.2274 [  $-(3*x-1)/(x+1)/(x-1)^2$  ogf]  
A114285 31.0735  $-2*(1+3*x^2)/(x-1)/(3*x-1)/(x+1)$  lgdogf

A114285 6.73259 [ $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = -2, a(2) = -1\}$ , ogf]  
A114300 6.69800 [ $-(3*x^6-6*x^5-6*x^4+5*x^3-x^2-x+1)/(x-1)/(x+1)/(x^2-3*x+1)$  ogf]  
A114307 12.5433 [ $12*(25*x^2+5*x-1)/(10*x-1)$  ogf]  
A114307 15.0095  $5*(1-10*x+50*x^2)/(10*x-1)/(25*x^2+5*x-1)$  lgdogf  
A114307 7.04681 [ $\{-a(n+3)+10*a(n+2), a(0) = 12, a(1) = 60, a(2) = 300\}$ , ogf]  
A114336 4.86577 [ $-(x^7+2*x^6+2*x^5-4*x^4-11*x^3-12*x^2-7*x-3)/(x^2+x+1)/(x^6-6*x^3+1)$  ogf]  
A114358 11.0220 [ $(60*x^3+543*x^2+320*x+1)/(x-1)^2$  ogf]  
A114358 12.0868  $2*(-161-703*x+30*x^3-90*x^2)/(x-1)/(60*x^3+543*x^2+320*x+1)$  lgdogf  
A114358 5.96275 [ $\{a(n+4)-2*a(n+3)+a(n+2), a(0) = 1, a(1) = 322, a(2) = 1186, a(3) = 2110\}$ , ogf]  
A114359 9.59009  $(-843-5125*x+413*x^3+14*x^4-1323*x^2)/(x-1)/(7*x^4+441*x^3+2142*x^2+841*x+1)$  lgdogf  
A114359 9.77721 [ $(7*x^4+441*x^3+2142*x^2+841*x+1)/(x-1)^2$  ogf]  
A114360 8.62309  $(-2207-18157*x+224*x^4+2128*x^3-7728*x^2)/(x-1)/(112*x^4+2576*x^3+7976*x^2+2205*x+1)$  lgdogf  
A114360 9.22754 [ $(112*x^4+2576*x^3+7976*x^2+2205*x+1)/(x-1)^2$  ogf]  
A114361 6.93578  $(-5778+27*x^5-63004*x+2061*x^4+8955*x^3-39501*x^2)/(x-1)/(9*x^5+1053*x^4+13167*x^3+28614*x^2+5776*x+1)$  lgdogf  
A114361 7.92367 [ $(9*x^5+1053*x^4+13167*x^3+28614*x^2+5776*x+1)/(x-1)^2$  ogf]  
A114364 12.2519 [ $2*(x+2)/(x-1)^4$  ogf]  
A114364 36.6356  $-3*(x+3)/(x+2)/(x-1)$  lgdogf  
A114364 4.88475 [ $\{(-2*n-6)*a(n+3)+(11+n)*a(n+2)+(4+n)*a(n+1), a(0) = 4, a(1) = 18, a(2) = 48\}$ , ogf]  
A114444 14.8161 [ $16*x*(x-3)/(x-1)^3$  ogf]  
A114444 21.1222  $-2*(-4+x)/(-1+x)/(x-3)$  lgdogf  
A114444 7.66796 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 48, a(2) = 128\}$ , ogf]  
A114465 7.51145  $-x*(x-1)*(x^6-3*x^4-4*x^2-1)*(x^6+x^4-2*x^2-1)/(x^4-x^2-1)/(5*x^8+5*x^6-5*x^4-5*x^2-1)$  revogf  
A114479 13.3144 [ $-(4*x-3)/(8*x^2-8*x+1)$  ogf]  
A114479 13.6550  $-1/8*(-3-8*x+(9+32*x+32*x^2)^{(1/2)})/(1+2*x)$  revogf  
A114479 15.0555  $-4*(5-12*x+8*x^2)/(4*x-3)/(1-8*x+8*x^2)$  lgdogf  
A114479 7.21863 [ $\{a(n+2)-8*a(n+1)+8*a(n), a(0) = 3, a(1) = 20\}$ , ogf]  
A114479 8.55923 [ $-(-32*x^2+48*x-20)/(-32*x^3+56*x^2-28*x+3)$  lgdogf]  
A114480 11.2123  $-1/10*(-4-15*x+(16+80*x+125*x^2)^{(1/2)})/(2+5*x)$  revogf  
A114480 11.2148 [ $-2*(5*x-2)/(25*x^2-15*x+1)$  ogf]  
A114480 12.8531  $-25*(1-4*x+5*x^2)/(5*x-2)/(25*x^2-15*x+1)$  lgdogf  
A114480 6.33306 [ $\{a(n+2)-15*a(n+1)+25*a(n), a(0) = 4, a(1) = 50\}$ , ogf]  
A114480 7.27446 [ $-(-125*x^2+100*x-25)/(-125*x^3+125*x^2-35*x+2)$  lgdogf]  
A114481 4.54523 [ $\{-a(n+3)+27*a(n+2)-108*a(n+1)+108*a(n), a(0) = 5, a(1) = 105, a(2) = 2331\}$ , ogf]  
A114481 6.70898  $-3*(35-336*x+1296*x^4-2160*x^3+1296*x^2)/(-1+3*x)/(36*x^2-24*x+1)/(36*x^2-30*x+5)$  lgdogf  
A114481 8.15468 [ $-(36*x^2-30*x+5)/(3*x-1)/(36*x^2-24*x+1)$  ogf]  
A114495 6.64918 [ $-I/x*(x-4)/(-1+4*x)^{(1/2)}/(x+2)-(3*x+4)/(x+2)/x$  lgdogf]  
A114507 11.5354 [ $-(-x^2+x)/(-x^4+x^3-1)$  revogf]  
A114507 31.6401  $-x*(x-1)/(1-x^3+x^4)$  revogf  
A114509 12.0063 [ $-(-x^2+x)/(-x^5+x^4-1)$  revogf]  
A114509 32.9584  $-x*(x-1)/(1-x^4+x^5)$  revogf  
A114540 8.40345 [ $-x^3*(x^{17}-x^{16}-x^9-x^7-x^5-x^2-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A114542 5.11520 [ $\{-a(n+3)+4691*a(n+1)+9389*a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
A114542 8.58314 [ $-x*(x+1)/(9389*x^3+4691*x^2-1)$  ogf]  
A114543 5.69533 [ $\{-a(n+3)+772*a(n+1)+1536*a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
A114543 5.75404 [ $-(-3072*x^3-5380*x^2-1544*x-1)/(-1536*x^4-2308*x^3-772*x^2+x+1)$

lgdogf]  
 A114543 9.31598  $-(1+1544*x+5380*x^2+3072*x^3)/(2*x+1)/(x+1)/(768*x^2+2*x-1)$   
 lgdogf  
 A114543 9.62314  $[-x*(x+1)/(2*x+1)/(768*x^2+2*x-1)$  ogf]  
 A114553 10.6781  $[-x*(x+1)/(3*x+1)/(16*x^2+3*x-1)$  ogf]  
 A114553 10.9061  $-(1+50*x+169*x^2+96*x^3)/(3*x+1)/(x+1)/(16*x^2+3*x-1)$  lgdogf  
 A114553 6.18208  $[{-a(n+3)+25*a(n+1)+48*a(n), a(0) = 0, a(1) = 1, a(2) = 1}]$ , ogf]  
 A114553 6.75055  $[{-(-96*x^3-169*x^2-50*x-1)/(-48*x^4-73*x^3-25*x^2+x+1)}$  lgdogf]  
 A114563 13.7241  $(1+4*x+8160*x^4+828*x^3+27*x^2)/(2*x^2+1+x$   
 $+207*x^4+9*x^3+1632*x^5)$  lgdogf  
 A114568 11.6210  $[-x*(x+1)/(2*x+1)/(4690*x^2+2*x-1)$  ogf]  
 A114568 6.78849  $[{-(-18760*x^3-32834*x^2-9388*x-1)/$   
 $(-9380*x^4-14074*x^3-4694*x^2+x+1)}$  lgdogf]  
 A114568 6.92563  $[{-a(n+3)+4694*a(n+1)+9380*a(n), a(0) = 0, a(1) = 1, a(2) = 1}]$ ,  
 ogf]  
 A114569 12.7673  $-1/2*(-8-5*x+((16+3*x)*(4+3*x))^(1/2))/(4*x+5)$  revogf  
 A114569 13.3258  $[-(5*x-8)/(4*x-1)/(x-1)$  ogf]  
 A114569 14.6824  $-(10*x-7)*(2*x-5)/(x-1)/(-1+4*x)/(5*x-8)$  lgdogf  
 A114569 7.22484  $[{-a(n+2)+5*a(n+1)-4*a(n), a(0) = 8, a(1) = 35}]$ , ogf]  
 A114569 8.56660  $[{-(-20*x^2+64*x-35)/(-20*x^3+57*x^2-45*x+8)}$  lgdogf]  
 A114587 7.84704  $-32+88*x+196*x^2+(8-66*x$   
 $+108*x^2+112*x^3)*f(x)+(-15*x^2+16*x^4+24*x^3+2*x)*f(x)^2$  lgdogf  
 A114590 8.56975  
 $8-16*x-100*x^2+(-4+36*x-60*x^2-80*x^3)*f(x)+(15*x^2-2*x-24*x^3-16*x^4)*f(x)^2$   
 lgdogf  
 A114619 12.3857  $-2*(2+5*x+x^3-4*x^2)/(x-1)/(x+1)/(x^2-6*x+1)$  lgdogf  
 A114619 4.99192  $[{a(n+3)-5*a(n+2)-5*a(n+1)+a(n), a(0) = 0, a(1) = 2, a(2) = 8}]$ ,  
 ogf]  
 A114619 7.59045  $[{-(-2*x^3+8*x^2-10*x-4)/(-x^4+6*x^3-6*x+1)}$  lgdogf]  
 A114619 9.72111  $[-2*x*(x-1)/(x+1)/(x^2-6*x+1)$  ogf]  
 A114620 12.5164  $[2*x/(x+1)/(x^2-6*x+1)$  ogf]  
 A114620 16.2971  $-(5-10*x+3*x^2)/(1+x)/(x^2+1-6*x)$  lgdogf  
 A114620 5.02889  $[{-a(n+3)+5*a(n+2)+5*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) =$   
 $10}]$ , ogf]  
 A114620 8.66517  $[{-(-3*x^2+10*x+5)/(-x^3+5*x^2+5*x-1)}$  lgdogf]  
 A114633 3.25988  $[{(n^3+15*n^2+74*n+120)*a(n+1)+(-n^3-15*n^2-74*n-120)*a(n$   
 $+2)+(-6-n)*a(n+3)+(n+4)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 18, a(3) = 70}]$ , ogf]  
 A114633 5.19617  $(-6-30*x+x^8-3*x^6-6*x^5+21*x^4-12*x^3-13*x^2)/(-1+x)/(x+1)/$   
 $(x^6-2*x^4-4*x^3+7*x^2+4*x+2)$  lgdegf  
 A114637 18.6504  $[-x*(2*x-3)/(x-1)^2$  ogf]  
 A114637 19.0389  $[{-(-2*x+4)/(-2*x^2+5*x-3)}$  lgdogf]  
 A114637 27.3029  $-1/2*(-3-2*x+(9+4*x)^(1/2))/(2+x)$  revogf  
 A114637 40.9544  $-2*(x-2)/(x-1)/(2*x-3)$  lgdogf  
 A114637 9.04820  $[{a(n+3)-2*a(n+2)+a(n+1), a(0) = 0, a(1) = 3, a(2) = 4}]$ , ogf]  
 A114641 8.32849  $8-12*f(x)+6*f(x)^2-f(x)^3$  lgdegf  
 A114646 13.1049  $[-(93*x+47)/(24*x^3+21*x^2-44*x-1)$  lgdogf]  
 A114646 14.5345  $[ (24*x^2+45*x+1)/(x-1)^2$  ogf]  
 A114646 24.5054  $-(47+93*x)/(x-1)/(24*x^2+45*x+1)$  lgdogf  
 A114646 7.61332  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 47, a(2) = 117}]$ ,  
 ogf]  
 A114647 11.2476  $[-(3*x^2+4*x-3)/(x-1)/(x+1)/(x^2+2*x-1)$  ogf]  
 A114647 6.52476  $-2*(1+3*x+3*x^5+9*x^4+2*x^3-10*x^2)/(-1+x)/(x+1)/(x^2+2*x-1)/$   
 $(3*x^2+4*x-3)$  lgdogf  
 A114650 7.67608  $[-(34*x^31-34*x^30+13*x^12-13*x^11+5*x^5-5*x^4+2*x^2-2*x-1)/(x$   
 $+1)/(x-1)^2$  ogf]  
 A114688 11.0909  $[-(x^2-3*x-1)/(x-1)/(x+1)/(x^2+2*x-1)$  ogf]  
 A114688 7.35744  $-(5+2*x+2*x^5-7*x^4-16*x^3+2*x^2)/(-1+x)/(x+1)/(x^2+2*x-1)/$   
 $(x^2-3*x-1)$  lgdogf  
 A114689 11.1894  $[-(x^2-4*x-1)/(x-1)/(x+1)/(x^2+2*x-1)$  ogf]  
 A114689 7.66851  $-2*(3+x+x^5-5*x^4-10*x^3+2*x^2)/(-1+x)/(x+1)/(x^2+2*x-1)/$   
 $(x^2-4*x-1)$  lgdogf

A114693 12.3105  $-(x-2+2*(1-6*x+x^2)^{(1/2)})/(1-6*x+x^2)^{(1/2)}/x$  lgdogf  
A114695 5.21526  $[-(x^8-4*x^7-x^6-23*x^5+47*x^4+8*x^3+4*x^2+2*x+2)/(x-1)/(x^2+x+1)/(x^6-47*x^3+1)$  ogf]  
A114696 11.2388  $[(x^2+4*x+1)/(x-1)/(x+1)/(x^2+2*x-1)$  ogf]  
A114696 7.31579  $[-(-2*x^5-14*x^4-20*x^3+6*x+6)/(-x^6-6*x^5-7*x^4+8*x^3+9*x^2-2*x-1)$  lgdogf]  
A114696 8.02244  $-2*(-3-3*x+x^5+7*x^4+10*x^3)/(-1+x)/(x+1)/(x^2+4*x+1)/(x^2+2*x-1)$  lgdogf  
A114697 10.8937  $[(x^2+x+1)/(x-1)/(x+1)/(x^2+2*x-1)$  ogf]  
A114697 7.43183  $-(-3-6*x+2*x^5+5*x^4+8*x^3+6*x^2)/(-1+x)/(x+1)/(1+x^2+x)/(x^2+2*x-1)$  lgdogf  
A114698 13.8960  $[-(22*x+18)/(3*x^3+13*x^2-15*x-1)$  lgdogf]  
A114698 15.4400  $[(3*x^2+16*x+1)/(x-1)^2$  ogf]  
A114698 25.5587  $-2*(9+11*x)/(x-1)/(3*x^2+16*x+1)$  lgdogf  
A114698 8.01693  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 18, a(2) = 38}]$ , ogf]  
A114703 7.25895  $[x*(x^4-2*x^3-2*x^2+10*x+1)/(x^2+1)/(x^2+4*x-1)/(x^2-4*x-1)$  ogf]  
A114710 12.2844  $[-(-3*x^2+x)/(-2*x^2+3*x-1)$  revogf]  
A114710 24.2021  $-x*(-1+3*x)/(-1+2*x)/(x-1)$  revogf  
A114710 3.20999  $[{(2*n+4)*a(n+1)+(-9*n-36)*a(n+2)+(-16*n-53)*a(n+3)+(3*n+15)*a(n+4), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 6}]$ , ogf]  
A114710 7.67383  $-1/2*(5*x-3+4*x*(x^2-6*x+1)^{(1/2)}+3*(x^2-6*x+1)^{(1/2)})/(x^2-6*x+1)^{(1/2)}/x/(2*x+3)$  lgdogf  
A114723 7.65160  $-(-1-2*x+4*x^5+6*x^4-4*x^3-11*x^2)/(2*x^2-1)/(x^4+3*x^3+3*x^2+x-1)$  lgdogf  
A114723 7.91969  $[x*(2*x^2-1)/(x^4+3*x^3+3*x^2+x-1)$  ogf]  
A114724 7.08618  $[-(3*x^11+5*x^10+8*x^9+13*x^8+4*x^7+5*x^6+9*x^5+14*x^4+5*x^3+6*x^2+11*x+2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A114725 5.77426  $[x*(2*x+1)*(14*x^3+2*x-1)/(x^6+5*x^5+10*x^4+10*x^3+5*x^2+x-1)$  ogf]  
A114743 10.3423  $[{a(n+3)-2*a(n), a(0) = 4, a(1) = 6, a(2) = 10}]$ , ogf]  
A114743 14.4638  $-(3+10*x+10*x^4+12*x^3+12*x^2)/(5*x^2+3*x+2)/(2*x^3-1)$  lgdogf  
A114743 15.9271  $[-2*(5*x^2+3*x+2)/(2*x^3-1)$  ogf]  
A114743 7.88472  $[-(-10*x^4-12*x^3-12*x^2-10*x-3)/(-10*x^5-6*x^4-4*x^3+5*x^2+3*x+2)$  lgdogf]  
A114745 10.9146  $(-3-4*x-34*x^4-12*x^3+24*x^7-12*x^2)/(2*x^3-1)/(6*x^5+2*x^3+2*x^2+3*x+1)$  lgdogf  
A114745 12.3283  $[-(6*x^5+2*x^3+2*x^2+3*x+1)/(2*x^3-1)$  ogf]  
A114746 5.60008  $[-(x+1)*(20*x^14+8*x^13-8*x^12-4*x^11-20*x^10+12*x^9-8*x^8+6*x^7-10*x^6+10*x^5-6*x^4+3*x^3-2*x^2+4*x+1)/(2*x^3-1)$  ogf]  
A114749 5.96163  $-(-1-2*x+45*x^6+24*x^5+18*x^7-23*x^4-34*x^3+6*x^2)/(9*x^3+3*x^2-1)/(x^3+3*x^2+2*x-1)/(x^2+x+1)$  lgdogf  
A114749 7.03911  $[x*(9*x^3+3*x^2-1)/(x^2+x+1)/(x^3+3*x^2+2*x-1)$  ogf]  
A114752 11.1341  $[-(6*x^3+6*x^2+10*x+2)/(3*x^4+2*x^3-2*x^2-2*x-1)$  lgdogf]  
A114752 15.8222  $[(3*x^2+2*x+1)/(x+1)^2/(x-1)^2$  ogf]  
A114752 18.4360  $-2*(1+5*x+3*x^3+3*x^2)/(x-1)/(x+1)/(3*x^2+2*x+1)$  lgdogf  
A114753 10.0857  $[-(-x^4-2*x^3-12*x^2-6*x-3)/(-x^5-x^4-2*x^3+3*x+1)$  lgdogf]  
A114753 13.8097  $[(x^3+x^2+3*x+1)/(x+1)^2/(x-1)^2$  ogf]  
A114753 16.6169  $-(3+6*x+x^4+2*x^3+12*x^2)/(x-1)/(x+1)/(x^3+x^2+3*x+1)$  lgdogf  
A114775 8.42162  $[-x^2*(x^2+1)*(x^7-x^4+1)/(x^6-x^4+1)/(x^6+x^4-1)$  ogf]  
A114798 9.04136  $[(2*x^5-3*x^4+8*x^3+2*x+3)/(x-1)^4/(x+1)^4$  ogf]  
A114798 9.74421  $-2*(1+12*x-6*x^5+3*x^6-6*x^3+25*x^4+19*x^2)/(x-1)/(x+1)/(2*x^5-3*x^4+8*x^3+2*x+3)$  lgdogf  
A114801 9.35807  $(2+240*x^14+88*x^10+780*x^11-1477*x^12+369*x^13)/(x-1)/(20*x^14+59*x^13-71*x^12-8*x^11-1)$  lgdogf  
A114803 5.34898  $[-(3*x^5-x^4-4*x^2-3*x-1)/(x-1)^4/(x+1)^4$  ogf]  
A114803 5.77441  $-(-3-16*x+9*x^6-4*x^5+15*x^4-28*x^3-21*x^2)/(-1+x)/(x+1)/(3*x^5-x^4-4*x^2-3*x-1)$  lgdogf  
A114849 8.58478  $[x*(2*x-3)/(x^2-7*x+1)/(x^2+4*x-1)$  ogf]

A114849 8.84677  $-( -31+168*x-29*x^2-24*x^3+6*x^4)/(2*x-3)/(x^2-7*x+1)/(x^2+4*x-1)$   
lgdogf  
A114855 9.21034  $[ -(-3*x^2+x-2)/(x^3-x^2+x-1)$  ogf\_with\_Euler\_transform]  
A114878 8.15343  $[ -2*x*(x+2)/(x^2-7*x+1)/(x^2+11*x-1)$  ogf]  
A114878 8.67111  $-(37-308*x-53*x^2+16*x^3+3*x^4)/(x+2)/(x^2-7*x+1)/(x^2+11*x-1)$   
lgdogf  
A114891 6.40812 [  
 $(3*x^{12}+2*x^{10}+x^9+4*x^8+2*x^7+4*x^6+2*x^5+4*x^4+3*x^3+2*x^2+2*x+1)/(x^2+x+1)/$   
 $(x^6+x^3+1)/(x-1)^2$  ogf]  
A114932 5.70847  $[ -x^2*(56*x^3-53*x^2+8*x+1)/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/$   
 $(7*x-1)$  ogf]  
A114935 5.42478  $[ -x*(56*x^4-81*x^3+47*x^2-11*x+1)/(x-1)/(4*x-1)/(3*x-1)/$   
 $(2*x-1)/(7*x-1)$  ogf]  
A114938 4.16795  $[ \{(n^2+7*n+12)*a(n+1)+(2*n^2+15*n+28)*a(n+2)-a(n+3), a(0) = 0,$   
 $a(1) = 2, a(2) = 30\}$ , ogf]  
A114948 11.7361  $[ -(-10*x^2+18*x-14)/(-10*x^3+29*x^2-30*x+11)$  lgdogf]  
A114948 13.0197  $[ -(10*x^2-19*x+11)/(x-1)^3$  ogf]  
A114948 20.9644  $-2*(7-9*x+5*x^2)/(x-1)/(10*x^2-19*x+11)$  lgdogf  
A114948 7.24574  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 11, a(1) = 14, a(2) =$   
 $19\}$ , ogf]  
A114949 12.7487  $[ -(-7*x^2+8*x-7)/(-7*x^3+18*x^2-17*x+6)$  lgdogf]  
A114949 13.5712  $[ -(7*x^2-11*x+6)/(x-1)^3$  ogf]  
A114949 23.5910  $-(7-8*x+7*x^2)/(x-1)/(7*x^2-11*x+6)$  lgdogf  
A114949 7.44612  $[ \{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 6, a(1) = 7, a(2) =$   
 $10\}$ , ogf]  
A114952 6.81231  $[ -x^2*(x^9-x^8+2*x^7-x^6+x^5-2*x^4+x^2+1)/(x^6-x^4+x^2+1)/$   
 $(x^6+x^4+x^2-1)$  ogf]  
A114955 16.8455  $[ -x^7-x^5+x^2+x+1$  ogf\_with\_Euler\_transform]  
A114955 7.10832  $(-1-2*x-9*x^8-2*x^6-2*x^5+6*x^7-2*x^4-2*x^3+8*x^9-2*x^2)/(-1+x)/$   
 $(x+1)/(1+x^2)/(x^2-x+1)/(1+x^4)$  lgdogf  
A114955 7.78334  $[ -(x+1)*(x^2+1)*(x^2-x+1)*(x^4+1)/(x-1)$  ogf]  
A114956 6.68907 [  
 $(x^{15}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+2*x^7+x^6+2*x^5+x^4+x^3+x^2+1)/(x-1)$  ogf]  
A114958 10.9851  $[ -(4*x^2-2*x+3)/(2*x-1)/(x-1)^2$  ogf]  
A114958 14.5916  $-2*(-5+6*x+4*x^3)/(x-1)/(2*x-1)/(4*x^2-2*x+3)$  lgdogf  
A114958 5.87801  $[ \{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 3, a(1) = 10, a(2) =$   
 $29\}$ , ogf]  
A114958 8.70251  $[ -(8*x^3+12*x-10)/(8*x^4-16*x^3+16*x^2-11*x+3)$  lgdogf]  
A114960 7.15025  $-( -1-5*x+32*x^6-68*x^5+36*x^2-72*x^3+80*x^4)/(x-1)/(2*x-1)/$   
 $(2*x^2-1)/(4*x^3-5*x^2+3*x-1)$  lgdogf  
A114960 7.47473  $[ -(4*x^3-5*x^2+3*x-1)/(2*x-1)/(2*x^2-1)/(x-1)^2$  ogf]  
A114962 11.9616  $[ -(-15*x^2+24*x-15)/(-15*x^3+42*x^2-41*x+14)$  lgdogf]  
A114962 13.2699  $[ -(15*x^2-27*x+14)/(x-1)^3$  ogf]  
A114962 20.8387  $-2*(9-13*x+7*x^2)/(x-1)/(14*x^2-27*x+15)$  lgdogf  
A114962 7.38500  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 14, a(1) = 15, a(2) =$   
 $18\}$ , ogf]  
A114963 11.6810  $[ -(23*x^2-40*x+23)/(23*x^3-66*x^2+65*x-22)$  lgdogf]  
A114963 12.9586  $[ -(23*x^2-43*x+22)/(x-1)^3$  ogf]  
A114963 19.3738  $-2*(13-21*x+11*x^2)/(x-1)/(22*x^2-43*x+23)$  lgdogf  
A114963 7.21172  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 22, a(1) = 23, a(2) =$   
 $26\}$ , ogf]  
A114964 11.6810  $[ -(31*x^2-56*x+31)/(31*x^3-90*x^2+89*x-30)$  lgdogf]  
A114964 12.9586  $[ -(31*x^2-59*x+30)/(x-1)^3$  ogf]  
A114964 18.9958  $-2*(17-29*x+15*x^2)/(x-1)/(30*x^2-59*x+31)$  lgdogf  
A114964 7.21172  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 30, a(1) = 31, a(2) =$   
 $34\}$ , ogf]  
A114965 11.1423  $[ -(34*x^2-66*x+38)/(34*x^3-101*x^2+102*x-35)$  lgdogf]  
A114965 12.7092  $[ -(34*x^2-67*x+35)/(x-1)^3$  ogf]  
A114965 18.9958  $-2*(19-33*x+17*x^2)/(x-1)/(34*x^2-67*x+35)$  lgdogf  
A114965 7.07296  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 35, a(1) = 38, a(2) =$   
 $43\}$ , ogf]

A114982 15.5753 [  $x^*(x^2-3)/(3*x-1)$  ogf]  
A114982 21.6832  $(9-2*x+3*x^2)/(3*x-1)/(x^2-3)$  lgdogf  
A114982 6.65196 [  $\{-a(n+4)+3*a(n+3), a(0) = 0, a(1) = 3, a(2) = 9, a(3) = 26\}$ , ogf]  
A114982 9.97794 [  $-(3*x^2-2*x+9)/(-3*x^3+x^2+9*x-3)$  lgdogf]  
A114984 12.3414 [  $(43*x^2-x+200)/(x+1)/(x-1)^2$  ogf]  
A114984 14.6190  $-(199+685*x+43*x^3+41*x^2)/(x-1)/(x+1)/(43*x^2-x+200)$  lgdogf  
A114984 6.69366 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 200, a(1) = 199, a(2) = 442\}$ , ogf]  
A114984 8.67969 [  $-(-43*x^3-41*x^2-685*x-199)/(-43*x^4+x^3-157*x^2-x+200)$  lgdogf]  
A115006 13.1263 [  $-(-6*x^2-16*x-8)/(-2*x^3-3*x^2+2*x+3)$  lgdogf]  
A115006 14.9685 [  $-x*(2*x+3)/(x+1)/(x-1)^3$  ogf]  
A115006 23.3725  $-2*(x+2)*(3*x+2)/(x-1)/(2*x+3)/(x+1)$  lgdogf  
A115006 4.33100 [  $\{-9-3*n*a(n+4)+(4-2*n)*a(n+3)+(19+3*n)*a(n+2)+(6+2*n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 8, a(3) = 16\}$ , ogf]  
A115007 9.29713  $-(16+62*x+9*x^6+48*x^5+107*x^4+144*x^3+118*x^2)/(x-1)/(x+1)/(x^2+x+1)/(3*x^3+9*x^2+10*x+6)$  lgdogf  
A115007 9.42686 [  $-x*(3*x^3+9*x^2+10*x+6)/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A115008 10.5965 [  $-(x^3+2*x^2-x+1)/(x^2+1)/(x^2+x-1)$  ogf]  
A115008 12.4180  $-x*(4+x^5-x^3+4*x^4+4*x)/(x^2+1)/(x^2+x-1)/(x^3+2*x^2-x+1)$  lgdogf  
A115012 7.34034 [  $-(x^8+2*x^7+3*x^6+4*x^5+4*x^3+3*x^2+2*x+1)/(x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]  
A115014 9.69629 [  $-(x^2+1)*(x^8-x^6+6*x^4-x^2+1)/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2/(x-1)^3$  ogf]  
A115015 5.69822 [  $-(x^{12}+2*x^{11}+3*x^{10}+4*x^9+5*x^8+6*x^7+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]  
A115032 10.4776 [  $-(x^2-14*x+5)/(x-1)/(x^2-18*x+1)$  ogf]  
A115032 5.68276 [  $\{-a(n+3)+19*a(n+2)-19*a(n+1)+a(n), a(0) = 5, a(1) = 81, a(2) = 1445\}$ , ogf]  
A115032 6.15198 [  $-(-x^4+28*x^3-262*x^2+188*x-81)/(-x^5+33*x^4-290*x^3+362*x^2-109*x+5)$  lgdogf]  
A115032 8.18361  $-(81-188*x-28*x^3+x^4+262*x^2)/(x-1)/(x^2-18*x+1)/(x^2-14*x+5)$  lgdogf  
A115036 4.23836 [  $-2*(x^{25}+x^{22}-x^{21}+x^{19}-x^{18}+x^{16}-x^{15}+x^{13}-x^{12}+x^{10}+x^8+2*x^7-2*x^6-x^5-x^4-2*x^3-2*x^2-2*x-3)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A115046 13.1230  $2*x*(-6-6*x^4+3*x^5+9*x-4*x^2+36*x^3)/(x-1)/(x+1)/(1+x^2)/(x^4-6*x^3+1)$  lgdogf  
A115046 7.27613 [  $(x^4-6*x^3+1)*(x^2+1)^2/(x-1)^4/(x+1)^4$  ogf]  
A115046 8.58583 [  $-(-6*x^6+12*x^5-72*x^4+8*x^3-18*x^2+12*x)/(x^8-6*x^7+6*x^3-1)$  lgdogf]  
A115052 11.8186 [  $1/(3*x^2-3*x+1)^2$  ogf]  
A115052 12.3010 [  $-(6-12*x)/(-3*x^2+3*x-1)$  lgdogf]  
A115052 3.93952 [  $\{(n+3)*a(n+3)+(-12-3*n)*a(n+2)+(15+3*n)*a(n+1), a(0) = 1, a(1) = 6, a(2) = 21\}$ , ogf]  
A115053 13.2610 [  $x*(x+3)^2/(3*x+1)^2$  ogf]  
A115053 19.8916 [  $-16/(3*x^2+10*x+3)$  lgdogf]  
A115053 46.1884  $-16/(x+3)/(3*x+1)$  lgdogf  
A115053 6.51620 [  $\{a(n+4)+6*a(n+3)+9*a(n+2), a(0) = 0, a(1) = 9, a(2) = -48, a(3) = 208\}$ , ogf]  
A115054 26.1243  $2*(x+2)^2*(x-1)^2/(x^3+6*x+2)/(x^2+x+1)$  lgdogf  
A115054 9.22321 [  $(x^3+6*x+2)^2/(x^2+x+1)^2$  ogf]  
A115054 9.22321 [  $-(2*x^4+4*x^3-6*x^2-8*x+8)/(-x^5-x^4-7*x^3-8*x^2-8*x-2)$  lgdogf]  
A115055 13.9603  $-3*x^2*(2*x+1)*(x+1)^2/(x^2+x-1)/(x^4+2*x^3+2*x^2+x+1)$  lgdogf  
A115055 14.2937 [  $-x/(x^2+x-1)/(x^4+2*x^3+2*x^2+x+1)$  ogf]  
A115055 8.05923 [  $-(-6*x^5-15*x^4-12*x^3-3*x^2)/(-x^6-3*x^5-3*x^4-x^3+1)$  lgdogf]  
A115056 14.4142 [  $-(4*x+11)/(x^2+x-2)$  lgdogf]  
A115056 33.4666  $-(11+4*x)/(x+2)/(x-1)$  lgdogf  
A115056 4.61631 [  $\{2*n*a(n+3)+(-10-n)*a(n+2)+(-n-2)*a(n+1), a(0) = 0, a(1) = 0,$

$a(2) = 0, a(3) = 48$ }, ogf]  
A115056 8.71969 [  $-24*x^3*(x+2)/(x-1)^5$  ogf]  
A115059 11.9591  $-(1+3*x^6+x^4+2*x^3+6*x^5+7*x^2)/(x^2+1)/(x^2+x-1)/(x^3+x^2+1)$   
lgdogf  
A115059 8.05208 [  $-x^2*(x^3+x^2+1)/(x^2+x-1)/(x^2+1)^2$  ogf]  
A115067 14.4748 [  $x*(x-4)/(x-1)^3$  ogf]  
A115067 16.8381 [  $-(-2*x+11)/(-x^2+5*x-4)$  lgdogf]  
A115067 36.9723  $-(-11+2*x)/(x-1)/(x-4)$  lgdogf  
A115067 7.36666 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 11\}$ ,  
ogf]  
A115098 14.9411 [  $-(5*x-2)/(3*x-1)/(x-1)$  ogf]  
A115098 17.3465  $-3*(1-4*x+5*x^2)/(x-1)/(3*x-1)/(5*x-2)$  lgdogf  
A115098 19.9748  $-(-1-2*x+(1-x+x^2)^(1/2))/(5+3*x)$  revogf  
A115098 8.19940 [  $\{a(n+2)-4*a(n+1)+3*a(n), a(0) = 2, a(1) = 3\}$ , ogf]  
A115098 9.74422 [  $-(15*x^2-12*x+3)/(15*x^3-26*x^2+13*x-2)$  lgdogf]  
A115099 11.9959 [  $-(-6*x^2+6*x-2)/(-6*x^3+11*x^2-6*x+1)$  lgdogf]  
A115099 17.2336  $-2*(1-3*x+3*x^2)/(x-1)/(3*x-1)/(2*x-1)$  lgdogf  
A115099 17.3274 [  $-4*(2*x-1)/(3*x-1)/(x-1)$  ogf]  
A115099 9.50896 [  $\{a(n+2)-4*a(n+1)+3*a(n), a(0) = 4, a(1) = 8\}$ , ogf]  
A115102 11.7510 [  $-(-6*x^2-4*x-4)/(-6*x^3-5*x^2+2*x+1)$  lgdogf]  
A115102 16.7126 [  $-2*(3*x+1)/(x+1)/(2*x-1)$  ogf]  
A115102 19.4264  $-2*(2+2*x+3*x^2)/(2*x-1)/(1+3*x)/(x+1)$  lgdogf  
A115102 19.9514  $1/4*(-2-x+(4+28*x+9*x^2)^(1/2))/(x+3)$  revogf  
A115102 9.17154 [  $\{a(n+2)-a(n+1)-2*a(n), a(0) = 2, a(1) = 8\}$ , ogf]  
A115106 5.59679  $4*(-1+2*x+224*x^7+17*x^2-128*x^3+326*x^4-224*x^5-176*x^6)/$   
 $(-1+2*x)/(4*x^2+2*x-1)/(56*x^5-88*x^4+20*x^3+4*x^2-1)$  lgdogf  
A115106 8.34367 [  $-(56*x^5-88*x^4+20*x^3+4*x^2-1)/(2*x-1)/(4*x^2+2*x-1)$  ogf]  
A115108 6.03923 [  $-(9520*x^9-11504*x^8+2840*x^7-1040*x^6+248*x^5+36*x^4-1)/$   
 $(2*x-1)/(4*x^2+2*x-1)$  ogf]  
A115109 5.60430 [  $-(3100*x^8-3596*x^7+854*x^6-268*x^5-6*x^4+22*x^3-4*x^2+2*x-1)/$   
 $(2*x-1)/(4*x^2+2*x-1)$  ogf]  
A115110 20.0502 [  $-(-2*x-3)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A115113 12.9029 [  $2*(8*x^2-1)/(x+1)/(4*x-1)$  ogf]  
A115113 16.2162  $(3-8*x+24*x^2)/(-1+4*x)/(x+1)/(8*x^2-1)$  lgdogf  
A115113 6.26353 [  $\{a(n+3)-3*a(n+2)-4*a(n+1), a(0) = 2, a(1) = 6, a(2) = 10\}$ , ogf]  
A115113 8.48874 [  $-(24*x^2-28*x+3)/(-32*x^4-24*x^3+12*x^2+3*x-1)$  lgdogf]  
A115125 12.2473  $-1/2*(-8*x+1+3*(-8*x+1)^(1/2))/(x+1)/(8*x-1)$  lgdogf  
A115125 5.74019 [  $\{(-8*n+4)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 2\}$ , ogf]  
A115129 13.2518  $-(-56+100*x+15*x^3-65*x^2)/(x-1)/(5*x^3-20*x^2+28*x-14)$  lgdogf  
A115129 4.03841 [  $\{(n^2+15*n+44)*a(n+1)+(-2*n^2-26*n-68)*a(n+2)+(n^2+11*n+24)*a(n$   
 $+3), a(0) = 14, a(1) = 56, a(2) = 146\}$ , ogf]  
A115129 7.50574 [  $-(5*x^3-20*x^2+28*x-14)/(x-1)^6$  ogf]  
A115129 8.34908 [  $-(-15*x^3+65*x^2-100*x+56)/(-5*x^4+25*x^3-48*x^2+42*x-14)$   
lgdogf]  
A115130 3.76811 [  $\{(n^2+17*n+52)*a(n+1)+(-2*n^2-29*n-79)*a(n+2)+(n^2+12*n+27)*a(n$   
 $+3), a(0) = 42, a(1) = 174, a(2) = 471\}$ , ogf]  
A115130 5.80917 [  $-(14*x^4-70*x^3+135*x^2-120*x+42)/(x-1)^7$  ogf]  
A115130 9.23465  $-(174-450*x+42*x^4-224*x^3+465*x^2)/(x-1)/$   
 $(14*x^4-70*x^3+135*x^2-120*x+42)$  lgdogf  
A115132 3.69142 [  $\{(n^2+19*n+60)*a(n+1)+(-2*n^2-32*n-90)*a(n+2)+(n^2+13*n+30)*a(n$   
 $+3), a(0) = 132, a(1) = 561, a(2) = 1562\}$ , ogf]  
A115132 4.89572 [  $-(42*x^5-252*x^4+616*x^3-770*x^2+495*x-132)/(x-1)^8$  ogf]  
A115132 6.97760  $-(-561+1925*x-798*x^4+2072*x^3+126*x^5-2772*x^2)/(x-1)/$   
 $(42*x^5-252*x^4+616*x^3-770*x^2+495*x-132)$  lgdogf  
A115133 3.36153 [  $\{(n^2+21*n+68)*a(n+1)+(-2*n^2-35*n-101)*a(n+2)+(n^2+14*n$   
 $+33)*a(n+3), a(0) = 429, a(1) = 1859, a(2) = 5291\}$ , ogf]  
A115133 3.80437 [  $-(132*x^6-924*x^5+2730*x^4-4368*x^3+4004*x^2-2002*x+429)/$   
 $(x-1)^9$  ogf]  
A115133 5.10080  $-(-1859-8008*x+14924*x^2-15288*x^3+9030*x^4-2904*x^5+396*x^6)/$   
 $(x-1)/(132*x^6-924*x^5+2730*x^4-4368*x^3+4004*x^2-2002*x+429)$  lgdogf  
A115135 6.03243 [  $x*(92*x^5+433*x^4+92*x^3-444*x^2-1299*x-108)/(x-1)/$



$(x^6-6x^3+1)$  ogf]  
A115140 11.6627  $[-2/(1-4x)^{(1/2)}/(1+(1-4x)^{(1/2)})$  lgdogf]  
A115140 22.1829  $x*\text{hypergeom}([1/3,2/3],[3/2],27/4*x)$  revogf  
A115140 22.1829  $x*\text{hypergeom}([1/3,2/3],[3/2],27/4*x)$  revogf  
A115140 7.28919  $[{-4*n+2}*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = -1}$ , ogf]  
A115141 11.6627  $[-4/(1-4x)^{(1/2)}/(1+(1-4x)^{(1/2)})$  lgdogf]  
A115141 6.03243  $[{-4*n-2}*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = -2, a(2) = -1}$ , ogf]  
A115142 11.3850  $[-6/(1-4x)^{(1/2)}/(1+(1-4x)^{(1/2)})$  lgdogf]  
A115142 22.3453  $-6/(1-4x)^{(1/2)}/(1+(1-4x)^{(1/2)})$  lgdogf  
A115142 4.91440  $[{(4*n^2-2*n)*a(n+1)+(-n^2-n+2)*a(n+2), a(0) = 1, a(1) = -3, a(2) = 0, a(3) = -1}$ , ogf]  
A115143 12.0662  $[-8/(1-4x)^{(1/2)}/(1+(1-4x)^{(1/2)})$  lgdogf]  
A115143 23.5711  $-8/(1-4x)^{(1/2)}/(1+(1-4x)^{(1/2)})$  lgdogf  
A115143 4.79450  $[{-4*n^2+6*n-2}*a(n+1)+(n^2-4)*a(n+2), a(0) = 1, a(1) = -4, a(2) = 2, a(3) = 0, a(4) = -1}$ , ogf]  
A115144 11.4819  $[-10/(1-4x)^{(1/2)}/(1+(1-4x)^{(1/2)})$  lgdogf]  
A115144 22.2242  $-10/(1-4x)^{(1/2)}/(1+(1-4x)^{(1/2)})$  lgdogf  
A115144 4.19400  $[{-4*n^2+10*n-6}*a(n+1)+(n^2-n-6)*a(n+2), a(0) = 1, a(1) = -5, a(2) = 5, a(3) = 0, a(4) = 0, a(5) = -1}$ , ogf]  
A115145 12.0436  $[-12/(1-4x)^{(1/2)}/(1+(1-4x)^{(1/2)})$  lgdogf]  
A115145 23.3225  $-12/(1-4x)^{(1/2)}/(1+(1-4x)^{(1/2)})$  lgdogf  
A115145 4.08144  $[{(4*n^2-14*n+12)*a(n+1)+(-n^2+2*n+8)*a(n+2), a(0) = 1, a(1) = -6, a(2) = 9, a(3) = -2, a(4) = 0, a(5) = 0, a(6) = -1}$ , ogf]  
A115146 11.5418  $[-14/(1-4x)^{(1/2)}/(1+(1-4x)^{(1/2)})$  lgdogf]  
A115146 22.4479  $-14/(1-4x)^{(1/2)}/(1+(1-4x)^{(1/2)})$  lgdogf  
A115146 3.64792  $[{(4*n^2-18*n+20)*a(n+1)+(-n^2+3*n+10)*a(n+2), a(0) = 1, a(1) = -7, a(2) = 14, a(3) = -7, a(4) = 0, a(5) = 0, a(6) = 0, a(7) = -1}$ , ogf]  
A115147 11.1515  $[-16/(1-4x)^{(1/2)}/(1+(1-4x)^{(1/2)})$  lgdogf]  
A115147 21.6705  $-16/(1-4x)^{(1/2)}/(1+(1-4x)^{(1/2)})$  lgdogf  
A115148 10.5939  $[-18/(1-4x)^{(1/2)}/(1+(1-4x)^{(1/2)})$  lgdogf]  
A115148 20.6987  $-18/(1-4x)^{(1/2)}/(1+(1-4x)^{(1/2)})$  lgdogf  
A115149 11.2590  $[-20/(1-4x)^{(1/2)}/(1+(1-4x)^{(1/2)})$  lgdogf]  
A115149 21.3670  $100+(10-40*x)*f(x)+(-x+4*x^2)*f(x)^2$  lgdogf  
A115164 11.8883  $[ (24*x^2+2*x-3)/(x+1)/(4*x-1)$  ogf]  
A115164 13.9834  $(7-24*x+64*x^2)/(-1+4*x)/(x+1)/(24*x^2+2*x-3)$  lgdogf  
A115164 6.29378  $[{a(n+3)-3*a(n+2)-4*a(n+1), a(0) = 3, a(1) = 7, a(2) = 9}$ , ogf]  
A115164 8.23033  $[-(64*x^2-24*x+7)/(-96*x^4-80*x^3+30*x^2+11*x-3)$  lgdogf]  
A115178 13.3567  $1/2*(-x^2-1+(1+x)^{(1/2)}*(x^3+3*x^2-x+1)^{(1/2)})/x^2$  revogf  
A115180 4.72449  $[ (x^2+x+1)*(x^2-x+1)*(x^13+x^12+x^8+x^7+x^4+x+1)/(x^16+x^15+x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A115188 9.27961  $1/2*(-1-9*x-2*x^2+((4*x^2+32*x+1)*(1+x)^2)^{(1/2)})/(x-2)^2$  revogf  
A115197 13.9287  $-(-1+8*x+3*(-8*x+1)^{(1/2)})/(1+x)/(8*x-1)$  lgdogf  
A115197 15.0580  $1/2*(5-2*x+3*(1-4*x)^{(1/2)})*x/(2+x)^2$  revogf  
A115197 3.77036  $[{(8*n+20)*a(n+1)+(7*n+8)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 7}$ , ogf]  
A115197 8.37243  $[-(8*x-1+3*(-8*x+1)^{(1/2)})/(8*x^2+7*x-1)$  lgdogf]  
A115202 9.90917  $36+50*x+(-4+27*x+40*x^2)*f(x)+(7*x^2+8*x^3-x)*f(x)^2$  lgdogf  
A115203 10.2489  $55+72*x+(-5+34*x+48*x^2)*f(x)+(7*x^2+8*x^3-x)*f(x)^2$  lgdogf  
A115204 10.5320  $78+98*x+(-6+41*x+56*x^2)*f(x)+(7*x^2+8*x^3-x)*f(x)^2$  lgdogf  
A115205 10.6950  $x*(1+9*x^9)/(1+x+10*x^9+9*x^10)$  revogf  
A115205 4.27610  $[ (3*x^2-3*x+1)*(3*x^6-9*x^5+18*x^4-21*x^3+15*x^2-6*x+1)/(x-1)^10$  ogf]  
A115217 10.5661  $[ -1/(2*x-1)/(x-1)/(x^2+x+1)/(2*x^2-1)$  ogf]  
A115217 9.89797  $-(2+4*x-10*x^4-8*x^3+24*x^5-9*x^2)/(x-1)/(2*x-1)/(x^2+x+1)/(2*x^2-1)$  lgdogf  
A115219 12.0471  $[ 2*x^2*(x-1)/(2*x^3-2*x^2+3*x-1)$  ogf]  
A115219 14.8573  $-2*(-1+2*x+2*x^3-4*x^2)/(x-1)/(2*x^3-2*x^2+3*x-1)$  lgdogf  
A115219 5.65288  $[{a(n+4)-3*a(n+3)+2*a(n+2)-2*a(n+1), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 4}$ , ogf]

A115219 9.18592  $[-(-4*x^3+8*x^2-4*x+2)/(-2*x^4+4*x^3-5*x^2+4*x-1) \text{ lgdogf}]$   
A115220 10.2036  $[x^4*(2*x^2+2*x-1)/(2*x^6+2*x^5-x^4+4*x-1) \text{ ogf}]$   
A115220 9.82096  $-2*(-1+2*x+16*x^6-8*x^4+2*x^3+8*x^7-4*x^2)/(2*x^2+2*x-1)/(2*x^6+2*x^5-x^4+4*x-1) \text{ lgdogf}$   
A115235 4.15399  $[-(2*x^17+2*x^16+x^15+x^14+x^13+2*x^12+2*x^10+x^9+2*x^8+x^7+2*x^6+2*x^4+x^3+x^2+x+2)/(-x^18+1) \text{ ogf\_with\_Euler\_transform}]$   
A115238 5.95350  $[-(x^4+2*x^3+2*x^2+x+1)/(x^2+1)/(x+1)^3/(x-1)^5 \text{ ogf}]$   
A115238 7.99225  $-(3+12*x+16*x^6+27*x^4+32*x^3+26*x^5+18*x^2+6*x^7)/(x-1)/(x+1)/(x^2+1)/(x^4+2*x^3+2*x^2+x+1) \text{ lgdogf}$   
A115243 11.2626  $[2*x*(2*x+1)/(x-1)/(4*x-1)/(x+1) \text{ ogf}]$   
A115243 12.6486  $-2*(-3-x+8*x^3+5*x^2)/(x-1)/(-1+4*x)/(1+2*x)/(x+1) \text{ lgdogf}$   
A115243 5.73184  $[{-a(n+3)+4*a(n+2)+a(n+1)-4*a(n), a(0) = 0, a(1) = 2, a(2) = 12}, \text{ ogf}]$   
A115243 7.82885  $[-(16*x^3+10*x^2-2*x-6)/(8*x^4+2*x^3-9*x^2-2*x+1) \text{ lgdogf}]$   
A115256 8.40253  $-(2+4*x-16*x^4-14*x^3+72*x^5-21*x^2)/(x-1)/(1+2*x)/(2*x-1)/(-1+4*x)/(x^2+x+1) \text{ lgdogf}$   
A115257 3.01673  $[{(16*n^2+80*n+100)*a(n+1)+(-17*n^2-86*n-109)*a(n+2)+(n^2+6*n+9)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 41}, \text{ ogf}]$   
A115264 11.7344  $-(1+6*x+13*x^4+18*x^3+12*x^5+10*x^2)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1) \text{ lgdogf}$   
A115264 23.8138  $[x^3+x^2+2*x+1 \text{ ogf\_with\_Euler\_transform}]$   
A115264 7.59653  $[-1/(x^2+x+1)/(x^2+1)/(x+1)^3/(x-1)^5 \text{ ogf}]$   
A115266 10.8741  $[-(-10*x^3-12*x^2-6*x-2)/(-x^4-x^3+x+1) \text{ lgdogf}]$   
A115266 13.8738  $[ -1/(x+1)/(x^2+x+1)^2/(x-1)^5 \text{ ogf}]$   
A115266 14.3506  $a(n+4)+a(n+3)-a(n+1)-a(n), a(0)=2, a(1)=4, a(2)=8, a(3)=4 \text{ lgdogf}$   
A115266 32.0074  $[2*x^2+x+2 \text{ ogf\_with\_Euler\_transform}]$   
A115269 13.9165  $[-(-12*x^3-2*x^2-4*x-2)/(-x^4+1) \text{ lgdogf}]$   
A115269 15.3185  $-2*(1+2*x+x^2+6*x^3)/(x-1)/(x+1)/(1+x^2) \text{ lgdogf}$   
A115269 29.1216  $[[2*x^3+x+2] \text{ ogf\_with\_Euler\_transform}]$   
A115269 9.32866  $[ -1/(x^2+1)^2/(x+1)^3/(x-1)^5 \text{ ogf}]$   
A115270 13.0460  $[x^7+x^3+x^2+x+1 \text{ ogf\_with\_Euler\_transform}]$   
A115270 5.18429  $-(1+4*x+19*x^8+8*x^6+14*x^5+22*x^7+12*x^4+14*x^3+18*x^9+8*x^2)/(-1+x)/(x+1)/(1+x^2)/(x^2+x+1)/(x^4+1) \text{ lgdogf}$   
A115270 5.72838  $[ -1/(x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^3/(x-1)^5 \text{ ogf}]$   
A115271 11.9806  $-2*(1+x+x^2+7*x^3+x^4+x^5+x^6+3*x^7)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \text{ lgdogf}$   
A115271 26.8401  $[-x^7+3*x^3+2 \text{ ogf\_with\_Euler\_transform}]$   
A115271 7.98371  $[ (x^4+1)/(x+1)^2/(x^2+1)^2/(x-1)^4 \text{ ogf}]$   
A115271 8.41295  $[-(-6*x^7-2*x^6-2*x^5-2*x^4-14*x^3-2*x^2-2*x-2)/(-x^8+1) \text{ lgdogf}]$   
A115273 12.2327  $[-(-10*x^3-6*x^2-2)/(-2*x^4-x^3+2*x+1) \text{ lgdogf}]$   
A115273 14.8080  $[x^4*(2*x+1)/(x-1)^2/(x^2+x+1)^2 \text{ ogf}]$   
A115273 21.8838  $-2*(1+5*x^3+3*x^2)/(x-1)/(2*x+1)/(x^2+x+1) \text{ lgdogf}$   
A115274 10.6824  $-(2+6*x+9*x^5+6*x^6+12*x^4+22*x^3+15*x^2)/(x-1)/(x^2+x+1)/(3*x^4+3*x^3+3*x^2+2*x+1) \text{ lgdogf}$   
A115274 12.3793  $[ (3*x^4+3*x^3+3*x^2+2*x+1)/(x-1)^2/(x^2+x+1)^2 \text{ ogf}]$   
A115283 9.06565  $[ -(2*x+1)*(2*x^2+1)/(x+1)/(x^2+x+1)/(x-1)^3 \text{ ogf}]$   
A115283 9.09654  $-3*(1+4*x+11*x^2+14*x^3+12*x^4+8*x^5+4*x^6)/(x-1)/(2*x+1)/(x+1)/(1+x+x^2)/(2*x^2+1) \text{ lgdogf}$   
A115285 14.1773  $-(x^2+2*x+3)*(3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1) \text{ lgdogf}$   
A115285 24.4003  $[-2*x^3+x^2+x+3 \text{ ogf\_with\_Euler\_transform}]$   
A115285 8.01484  $[ -(x+1)*(x^2+1)^2/(x^2+x+1)/(x-1)^3 \text{ ogf}]$   
A115285 8.34535  $[-(3*x^4+8*x^3+14*x^2+8*x+3)/(x^6+x^5+x^4-x^2-x-1) \text{ lgdogf}]$   
A115286 11.6970  $-2*(5+17*x+3*x^4+36*x^3+44*x^2)/(x-1)/(2*x^4+16*x^3+8*x^2+3*x+1) \text{ lgdogf}$   
A115286 6.32427  $[ -4*x*(2*x^4+16*x^3+8*x^2+3*x+1)/(x-1)^7 \text{ ogf}]$   
A115286 7.51398  $[-(6*x^4+72*x^3+88*x^2+34*x+10)/(2*x^5+14*x^4-8*x^3-5*x^2-2*x-1) \text{ lgdogf}]$   
A115291 10.3260  $[{a(n+4)-a(n+3), a(0) = 1, a(1) = 4, a(2) = 7, a(3) = 8}, \text{ ogf}]$   
A115291 18.7036  $[ -(x+1)^3/(x-1) \text{ ogf}]$   
A115291 22.5294  $[-(2*x-4)/(-x^2+1) \text{ lgdogf}]$

A115291 47.1074 [[4-3\*x] ogf\_with\_Euler\_transform]  
A115291 51.1936 2\*(x-2)/(x-1)/(x+1) lgdogf  
A115293 17.5551 [-(2\*x-8)/(-x^2+1) lgdogf]  
A115293 36.5375 [[8-5\*x] ogf\_with\_Euler\_transform]  
A115293 39.8720 2\*(x-4)/(x-1)/(x+1) lgdogf  
A115293 5.72165 [{(n+3)\*a(n+3)-8\*a(n+2)+(1-n)\*a(n+1), a(0) = 1, a(1) = 8, a(2) = 31}, ogf]  
A115293 8.87843 [ -(x+1)^5/(x-1)^3 ogf]  
A115294 13.3678 (3\*x^2+2\*x+1)\*(x^3-x^2-2\*x-4)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1) lgdogf  
A115294 24.2242 [-3\*x^3+x^2+x+4 ogf\_with\_Euler\_transform]  
A115294 6.43211 [ -(x+1)^2\*(x^2+1)^3/(x^2+x+1)/(x-1)^3 ogf]  
A115295 12.6824 [ (15\*x^3+33\*x^2+15\*x+1)/(x-1)^2 ogf]  
A115295 15.0256 (-17-81\*x+15\*x^3-45\*x^2)/(x-1)/(15\*x^3+33\*x^2+15\*x+1) lgdogf  
A115295 6.87858 [{a(n+4)-2\*a(n+3)+a(n+2), a(0) = 1, a(1) = 17, a(2) = 66, a(3) = 130}, ogf]  
A115295 9.22355 [ -(-15\*x^3+45\*x^2+81\*x+17)/(15\*x^4+18\*x^3-18\*x^2-14\*x-1) lgdogf]  
A115302 7.72521 (-4-2\*x^6-11\*x^5+9\*x^3+4\*x^8-2\*x^7+5\*x^4-17\*x^2)/(x-1)/(x^2+x+1)/(2\*x^6-5\*x^4+4\*x^3-2\*x^2+3\*x+1) lgdogf  
A115302 8.91992 [ (2\*x^6-5\*x^4+4\*x^3-2\*x^2+3\*x+1)/(x^2+x+1)/(x-1)^2 ogf]  
A115309 4.72685 [ (8\*x^17-2\*x^16-2\*x^15-2\*x^14-2\*x^13-2\*x^12-2\*x^11-2\*x^10-2\*x^9+9\*x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A115315 3.71221 [ x^2\*(x^8-2\*x^6+x^5+2\*x^4-x^3-x^2+1)/(x-1)/(x+1)/(x^2+x-1)/(x^4-x^3+x^2-x+1)/(x^8-x^6+x^4-x^2+1) ogf]  
A115326 15.8970 -(-1-6\*x+8\*x^2)/(2\*x+1)/(-1+2\*x)^2 lgdegf  
A115326 8.62595 [-(8\*x^2-6\*x-1)/(8\*x^3-4\*x^2-2\*x+1) lgdegf]  
A115327 124.165 1+3\*x lgdegf  
A115327 5.36753 [{(3\*n+6)\*a(n+1)-a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = 4}, ogf]  
A115328 14.5596 -(-1-12\*x+27\*x^2)/(3\*x+1)/(-1+3\*x)^2 lgdegf  
A115328 7.99219 [-(27\*x^2-12\*x-1)/(27\*x^3-9\*x^2-3\*x+1) lgdegf]  
A115329 5.10808 [{(4\*n+8)\*a(n+1)-a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = 5}, ogf]  
A115329 59.0389 1+4\*x-f(x) lgdegf  
A115330 15.5827 -(-1-20\*x+64\*x^2)/(4\*x+1)/(-1+4\*x)^2 lgdegf  
A115330 8.41629 [-(64\*x^2-20\*x-1)/(64\*x^3-16\*x^2-4\*x+1) lgdegf]  
A115331 125.496 1+5\*x lgdegf  
A115331 5.37685 [{(5\*n+10)\*a(n+1)-a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = 6}, ogf]  
A115332 14.0940 -(-1-30\*x+125\*x^2)/(5\*x+1)/(5\*x-1)^2 lgdegf  
A115332 7.40677 [-(125\*x^2+30\*x+1)/(-125\*x^3+25\*x^2+5\*x-1) lgdegf]  
A115335 13.0509 [ (4\*x^4+2\*x^3+10\*x^2-2\*x-3)/(x+1)/(2\*x-1) ogf]  
A115335 7.25050 [{a(n+5)-a(n+4)-2\*a(n+3), a(0) = 3, a(1) = 5, a(2) = 1, a(3) = 9, a(4) = 7}, ogf]  
A115335 7.80823 [ -(-16\*x^5-16\*x^4+12\*x^3-8\*x^2+8\*x-5)/(8\*x^6+8\*x^5+18\*x^4+4\*x^3-18\*x^2-x+3) lgdogf]  
A115339 12.6529 -(1+4\*x+7\*x^2+2\*x^6+2\*x^5+4\*x^3+x^4)/(2\*x^3+x^2+x+1)/(x^4+x^2-1) lgdogf  
A115339 12.6990 [ -(2\*x^3+x^2+x+1)/(x^4+x^2-1) ogf]  
A115341 10.5410 [ -(-6\*x^2+4\*x-2)/(8\*x^4+2\*x^3-7\*x^2+1) lgdogf]  
A115341 13.5242 [ 2\*(4\*x^2-x-1)/(x+1)/(2\*x-1) ogf]  
A115341 17.2267 2\*(1-2\*x+3\*x^2)/(2\*x-1)/(x+1)/(4\*x^2-x-1) lgdogf  
A115341 7.09688 [{a(n+3)-a(n+2)-2\*a(n+1), a(0) = 2, a(1) = 4, a(2) = 0}, ogf]  
A115342 12.0594 [ (60\*x^2-60\*x-1)/(x-1)/(2\*x-1)^2 ogf]  
A115342 13.3288 -(65-6\*x+120\*x^3-180\*x^2)/(x-1)/(2\*x-1)/(-1+60\*x^2-60\*x) lgdogf  
A115342 6.60645 [{a(n+3)-5\*a(n+2)+8\*a(n+1)-4\*a(n), a(0) = 1, a(1) = 65, a(2) = 257}, ogf]  
A115342 8.25807 [ -(-120\*x^3+180\*x^2+6\*x-65)/(-120\*x^4+300\*x^3-238\*x^2+57\*x+1) lgdogf]  
A115357 8.62344 [ -(2\*x^2+2\*x+1)/(x-1)/(x^2+x+1)/(x+1) ogf]

A115357 8.86324  $-(1+4*x+4*x^5+8*x^4+8*x^3+5*x^2)/(-1+x)/(x+1)/(1+x^2+x)/(2*x^2+2*x+1)$  lgdogf  
A115360 14.9649  $[-1/(x-1)/(x^2+x+1)/(x+1)$  ogf]  
A115360 19.2257  $-(-1+4*x^3+3*x^2)/(-1+x)/(x+1)/(x^2+x+1)$  lgdogf  
A115360 22.0854  $[x^2+x-1$  ogf\_with\_Euler\_transform]  
A115360 4.50163  $[{a(n+4)+a(n+3)-a(n+1)-a(n), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = 0},$  ogf]  
A115375 10.3158  $-(1+8*x+9*x^6-6*x^4+6*x^3+10*x^2+8*x^7)/(x-1)/(x+1)/(x^2+x+1)/(x^4-x^2+1)$  lgdogf  
A115375 15.2705  $[-x^{11}+x^5+x^3+x^2+3*x+1$  ogf\_with\_Euler\_transform]  
A115375 5.48708  $[ (x^4-x^2+1)/(x^2+x+1)/(x+1)^4/(x-1)^6$  ogf]  
A115376 10.4444  $[-(-12*x^3-13*x^2-10*x-1)/(-x^4-x^3+x+1)$  lgdogf]  
A115376 17.0709  $-(1+10*x+12*x^3+13*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A115376 31.1427  $[x^2+4*x+1$  ogf\_with\_Euler\_transform]  
A115376 6.75282  $[1/(x^2+x+1)/(x+1)^4/(x-1)^6$  ogf]  
A115390 10.2049  $[-(6*x^2+8*x-4)/(-2*x^3+4*x^2-4*x+1)$  lgdogf]  
A115390 15.9295  $[-x^2/(2*x^3-4*x^2+4*x-1)$  ogf]  
A115390 17.4715  $-2*(2-4*x+3*x^2)/(-4*x^2-1+4*x+2*x^3)$  lgdogf  
A115390 5.93737  $[{a(n+3)-4*a(n+2)+4*a(n+1)-2*a(n), a(0) = 0, a(1) = 0, a(2) = 1},$  ogf]  
A115391 5.76890  $[ (4*x^7-3*x^6+8*x^5+7*x^4+12*x^3-5*x^2+8*x+1)/(x+1)^2/(x^2+1)^2/(x-1)^4$  ogf]  
A115399 21.2193  $1/2/x^2*(-1+x^2+(1-2*x^2+x^4+4*x^3)^{(1/2)})$  revogf  
A115400 12.4896  $-4*(4+33*x+71*x^3+102*x^2)/(-1+x)/(71*x^3+39*x^2+9*x+1)$  lgdogf  
A115400 4.10890  $[{(n^2+5*n+6)*a(n+1)+(-n^2+2*n+15)*a(n+2)-n*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6},$  ogf]  
A115400 5.84997  $[-6*x^3*(71*x^3+39*x^2+9*x+1)/(x-1)^7$  ogf]  
A115400 7.66996  $[-(284*x^3-408*x^2-132*x-16)/(-71*x^4+32*x^3+30*x^2+8*x+1)$  lgdogf]  
A115412 14.7947  $[(x-1)/(x^5-x^3-x^2-x-1)$  ogf]  
A115412 18.2694  $-(2+2*x+4*x^5+2*x^2-2*x^3-5*x^4)/(x-1)/(x^5-x^3-x^2-x-1)$  lgdogf  
A115412 9.80953  $[-(-4*x^5+5*x^4+2*x^3-2*x^2-2*x-2)/(-x^6+x^5+x^4-1)$  lgdogf]  
A115413 14.2488  $[-(x-1)/(x^5-x^4-x^3+x^2-1)$  ogf]  
A115413 18.2392  $-(1-2*x+4*x^5+4*x^2+2*x^3-8*x^4)/(x-1)/(x^5-x^4-x^3+x^2-1)$  lgdogf  
A115413 8.90551  $[-(4*x^5-8*x^4+2*x^3+4*x^2-2*x+1)/(x^6-2*x^5+2*x^3-x^2-x+1)$  lgdogf]  
A115419 7.97437  $[(x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+8)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A115420 4.79521  $[(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+16)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A115451 10.0439  $[-(8*x^3+3*x^2+2*x+1)/(2*x^4+x^3+x^2+x-1)$  lgdogf]  
A115451 17.8558  $[-1/(x+1)/(2*x-1)/(x^2+1)$  ogf]  
A115451 18.7926  $-(1+2*x+8*x^3+3*x^2)/(2*x-1)/(x+1)/(x^2+1)$  lgdogf  
A115489 10.9850  $[-(32*x-10)/(16*x^2-10*x+1)$  lgdogf]  
A115489 13.3201  $-1/16*(-1-5*x+(9*x+1)^{(1/2)}*(x+1)^{(1/2)})/x$  revogf  
A115489 16.3206  $[2/(8*x-1)/(2*x-1)$  ogf]  
A115489 19.9801  $-2*(-5+16*x)/(8*x-1)/(2*x-1)$  lgdogf  
A115489 6.72025  $[{-a(n+2)+10*a(n+1)-16*a(n), a(0) = 2, a(1) = 20},$  ogf]  
A115490 14.4175  $[3/(16*x-1)/(4*x-1)$  ogf]  
A115490 17.0180  $-4*(-5+32*x)/(16*x-1)/(4*x-1)$  lgdogf  
A115490 5.93660  $[{-a(n+2)+20*a(n+1)-64*a(n), a(0) = 3, a(1) = 60},$  ogf]  
A115490 8.97311  $-1/128*(-20*x-3+(4*x+3)^{(1/2)}*(12*x+1)^{(1/2)}*3^{(1/2)})/x$  revogf  
A115490 9.52096  $[-(128*x-20)/(64*x^2-20*x+1)$  lgdogf]  
A115491 15.0103  $[6/(32*x-1)/(2*x-1)$  ogf]  
A115491 17.1510  $-2*(-17+64*x)/(32*x-1)/(2*x-1)$  lgdogf  
A115491 6.10886  $[{-a(n+2)+34*a(n+1)-64*a(n), a(0) = 6, a(1) = 204},$  ogf]  
A115491 9.52832  $-1/64*(-3-17*x+(3*x+1)^{(1/2)}*(25*x+3)^{(1/2)}*3^{(1/2)})/x$  revogf  
A115491 9.91249  $[-(128*x-34)/(64*x^2-34*x+1)$  lgdogf]  
A115492 7.75665  $[7*(256*x^2-108*x+5)/(4*x-1)/(2*x-1)/(16*x-1)/(32*x-1)$  ogf]

A115500 5.66316 [  $-2*(2048*x^3-1440*x^2+280*x-15)/(16*x-1)/(8*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A115504 3.87481 [  $-2*(81920*x^4-63488*x^3+14880*x^2-1240*x+31)/(4*x-1)/(2*x-1)/(8*x-1)/(16*x-1)/(32*x-1)$  ogf]  
A115519 11.0168 [  $x*(x+5)*(2*x+1)/(x-1)^4$  ogf]  
A115519 12.3522 [  $-(4*x^2+37*x+31)/(2*x^3+9*x^2-6*x-5)$  lgdogf]  
A115519 22.3382 [  $-(31+37*x+4*x^2)/(x+5)/(x-1)/(2*x+1)$  lgdogf]  
A115519 4.07621 [  $\{(-15-5*n)*a(n+4)+(19-6*n)*a(n+3)+(46+9*n)*a(n+2)+(4+2*n)*a(n+1), a(0) = 0, a(1) = 5, a(2) = 31, a(3) = 96\}$ , ogf]  
A115520 4.81744 [  $(x^{10}+x^9+2*x^8+5*x^7+7*x^6+4*x^5+7*x^4+5*x^3+2*x^2+x+1)/(x^2-x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A115525 5.65624 [  $(x^5+2*x^4+x^3-2*x-1)/(x-1)/(x+1)/(x^2+x+1)/(x^2+1)$  ogf]  
A115525 6.37682 [  $-(-1+2*x+x^{10}+4*x^9+4*x^8+2*x^7-6*x^6-6*x^5+x^4+6*x^3+5*x^2)/(x-1)/(x+1)/(x^2+1)/(x^5+2*x^4+x^3-2*x-1)/(x^2+x+1)$  lgdogf]  
A115535 14.8738 [  $-2*(162-287*x+128*x^2)/(x-1)/(256*x^2-543*x+289)$  lgdogf]  
A115535 5.86940 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 25721, a(1) = 28836, a(2) = 32129\}$ , ogf]  
A115535 9.33083 [  $-(-256*x^2+574*x-324)/(-256*x^3+799*x^2-832*x+289)$  lgdogf]  
A115535 9.96993 [  $-89*(256*x^2-543*x+289)/(x-1)^3$  ogf]  
A115536 11.5055 [  $-9434*(16*x-17)/(x-1)^2$  ogf]  
A115536 11.9396 [  $-(-16*x+18)/(-16*x^2+33*x-17)$  lgdogf]  
A115536 12.9087 [  $-(-80189-x+(6430275721+9434*x)^{(1/2)})/(150944+x)$  revogf]  
A115536 22.9488 [  $-2*(-9+8*x)/(x-1)/(16*x-17)$  lgdogf]  
A115536 6.87827 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 160378, a(1) = 169812\}$ , ogf]  
A115565 11.1580 [  $-(61+196*x+11*x^4+56*x^3+276*x^2)/(x-1)/(11*x^4+6*x^3+86*x^2+6*x+11)$  lgdogf]  
A115565 7.22177 [  $-(-11*x^4-56*x^3-276*x^2-196*x-61)/(-11*x^5+5*x^4-80*x^3+80*x^2-5*x+11)$  lgdogf]  
A115565 7.88499 [  $-(11*x^4+6*x^3+86*x^2+6*x+11)/(x-1)^5$  ogf]  
A115567 12.4240 [  $-(3-10*x+9*x^4-12*x^3+17*x^2)/(x-1)/(x^2-x+1)/(3*x^2-3*x+1)$  lgdogf]  
A115567 6.35769 [  $-x*(x^2-x+1)*(3*x^2-3*x+1)/(x-1)^7$  ogf]  
A115567 7.36485 [  $-(-9*x^4+12*x^3-17*x^2+10*x-3)/(-3*x^5+9*x^4-13*x^3+11*x^2-5*x+1)$  lgdogf]  
A115598 10.0937 [  $-(-2*x^3+4*x^2+14*x-8)/(-x^4+6*x^3-6*x+1)$  lgdogf]  
A115598 13.9026 [  $-(x+1)/(x-1)/(x^2-6*x+1)$  ogf]  
A115598 6.52071 [  $\{a(n+3)-7*a(n+2)+7*a(n+1)-a(n), a(0) = 1, a(1) = 8, a(2) = 49\}$ , ogf]  
A115599 12.0793 [  $-(x^2-5*x+2)/(x-1)/(x^2-6*x+1)$  ogf]  
A115599 6.52071 [  $\{-a(n+3)+7*a(n+2)-7*a(n+1)+a(n), a(0) = 2, a(1) = 9, a(2) = 50\}$ , ogf]  
A115599 7.15379 [  $-(-x^4+10*x^3-34*x^2+26*x-9)/(-x^5+12*x^4-44*x^3+50*x^2-19*x+2)$  lgdogf]  
A115605 4.45875 [  $-x^2*(2*x^4-x^3-2*x^2+x+2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+4*x-1)/(x^2-x-1)$  ogf]  
A115618 12.3167 [  $-(-6*x^2+9*x-4)/(-6*x^3+13*x^2-9*x+2)$  lgdogf]  
A115618 12.9127 [  $-(3*x-2)^2/(x-1)/(2*x-1)^2$  ogf]  
A115618 21.8534 [  $-(4-9*x+6*x^2)/(x-1)/(2*x-1)/(3*x-2)$  lgdogf]  
A115618 7.08483 [  $\{a(n+3)-5*a(n+2)+8*a(n+1)-4*a(n), a(0) = 4, a(1) = 8, a(2) = 17\}$ , ogf]  
A115634 18.9363 [  $-6*x/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  lgdogf]  
A115634 4.58764 [  $\{-a(n+3)+a(n+1), a(0) = 1, a(1) = 0, a(2) = -3\}$ , ogf]  
A115634 8.46164 [  $(2*x-1)*(2*x+1)/(x-1)/(x+1)$  ogf]  
A115634 8.65395 [  $-6*x/(4*x^4-5*x^2+1)$  lgdogf]  
A115635 5.71287 [  $-(-1+8*x+13*x^8+20*x^7+24*x^6+18*x^5+15*x^4+10*x^3+4*x^2+17*x+1)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(4*x^5+5*x^4+4*x^3+3*x^2-2*x-1)$  lgdogf]  
A115635 5.71634 [  $(4*x^5+5*x^4+4*x^3+3*x^2-2*x-1)/(x-1)/(x+1)/(x^2+x+1)/(x^2+1)$  ogf]  
A115639 12.2168 [  $-(-192*x^30+48*x^14+12*x^6+3*x^2+1)/(x-1)$  ogf]  
A115659 9.63717 [  $x*(2*x^4-2*x^3+3*x^2-2*x+3)/(x+1)/(x^2+1)/(x-1)^2$  ogf]

A115714 5.95206 [  $(4x^5+3x^4+4x^3+3x^2-1)/(x-1)/(x+1)/(x^2+x+1)/(x^2+1)$  ogf]  
A115714 6.17358  $-(x^2-x+1)*(4x^8+10x^7+17x^6+27x^5+35x^4+30x^3+23x^2+9x+1)/(x-1)/(x+1)/(x^2+1)/(4x^5+3x^4+4x^3+3x^2-1)/(x^2+x+1)$  lgdogf  
A115730 10.2648  $-2*(1+2x-4x^3+3x^5-5x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-3x+1)$  lgdogf  
A115730 10.5435 [  $-x^2/(x-1)/(x+1)/(x^2+x+1)/(x^2-3x+1)$  ogf]  
A115731 6.60368 [  $(4x^8-4x^7-5x^6+13x^5-15x^4+13x^3-8x^2+4x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A115784 3.79511 [  $-(339x^{10}+3872x^9-5577x^7+2281x^6-3168x^4+4526x^3-2082x+694)/(678x^{10}-3872x^9-11154x^7-2281x^6-6336x^4-4526x^3-4164x-694)$  ogf]  
A115788 16.8335  $-x*(2x^{11}+5x^7+3x^9+4x^2+7x^5+6x^4)/(x-1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)$  lgdogf  
A115789 10.4060 [  $(x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A115789 7.48214  $(4x^3+6x^5+3x^2+1+2x+5x^4+x^{12}+5x^8+2x^{11}+6x^7+3x^{10}+4x^9)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^7-x^6-x^5-x^4-x^3-x^2-x-1)$  lgdogf  
A115790 15.7718 [  $7x^6/(-x^7+1)$  lgdogf]  
A115790 17.2055 [  $-x^7/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A115790 25.5968  $-7x^6/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)$  lgdogf  
A115842 7.47963  $(8-6x+48x^8+8x^7-42x^9-105x^{14}+187x^{15}-186x^{16}+90x^{17})/(x-1)/(6x^{17}-6x^{16}+7x^{15}-6x^9-x^8+6x^2-6x-1)$  lgdogf  
A115842 8.97678 [  $-(6x^{17}-6x^{16}+7x^{15}-6x^9-x^8+6x^2-6x-1)/(x-1)^2$  ogf]  
A115843 7.20600  $(9-7x+9x^8+63x^9-56x^{10}-136x^{16}+246x^{17}-245x^{18}+119x^{19})/(x-1)/(7x^{19}-7x^{18}+8x^{17}-7x^{10}-x^9+7x^2-7x-1)$  lgdogf  
A115843 8.78563 [  $-(7x^{19}-7x^{18}+8x^{17}-7x^{10}-x^9+7x^2-7x-1)/(x-1)^2$  ogf]  
A115844 6.84310  $(10-8x+10x^9+80x^{10}-72x^{11}-171x^{18}+313x^{19}-312x^{20}+152x^{21})/(x-1)/(8x^{21}-8x^{20}+9x^{19}-8x^{11}-x^{10}+8x^2-8x-1)$  lgdogf  
A115844 8.54360 [  $-(8x^{21}-8x^{20}+9x^{19}-8x^{11}-x^{10}+8x^2-8x-1)/(x-1)^2$  ogf]  
A115851 10.1508 [  $-x^2*(x^2+x-1)/(x-1)/(2x-1)/(x+1)/(x^2+1)$  ogf]  
A115851 9.00381  $-(1-2x+4x^3+6x^6+6x^5-13x^4+2x^2)/(x-1)/(2x-1)/(x+1)/(x^2+1)/(x^2+x-1)$  lgdogf  
A115852 5.74731  $-(5+38x+6x^7-10x^3-13x^6-100x^5-110x^4+34x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2+3x+1)$  lgdogf  
A115852 5.99289 [  $-4x^2*(x+1)/(x-1)/(x^2+x+1)/(x^2+3x+1)/(x^2-7x+1)$  ogf]  
A115864 11.7376  $-(8x+(48x^2+1)^{(1/2)})*x/(4x-1)/(4x+1)$  revogf  
A115864 18.2585  $-8*(-1+2x)/(16x^2+1-16x)$  lgdogf  
A115864 3.25362 [  $\{(-n-3)*a(n+3)+(40+16n)*a(n+2)+(-32-16n)*a(n+1), a(0) = 1, a(1) = 8, a(2) = 88\}$ , ogf]  
A115864 9.88845 [  $-(16x-8)/(16x^2-16x+1)$  lgdogf]  
A115865 17.5267  $-12*(-1+3x)/(36x^2+1-24x)$  lgdogf  
A115865 3.19643 [  $\{(-n-3)*a(n+3)+(60+24n)*a(n+2)+(-72-36n)*a(n+1), a(0) = 1, a(1) = 12, a(2) = 198\}$ , ogf]  
A115865 9.65075 [  $-(36x-12)/(36x^2-24x+1)$  lgdogf]  
A115880 6.68449  $-3x*(-4-4x^7-16x^6-16x^2-4x-5x^3-24x^4-12x^5-4x^8+x^{11})/(x-1)/(x+1)/(x^2+1)/(x^9-2x^6-3x^5-6x^4-4x^3-6x^2-2)$  lgdogf  
A115880 7.65968 [  $x^2*(x^9-2x^6-3x^5-6x^4-4x^3-6x^2-2)/(x^2+1)^3/(x-1)^3/(x+1)^3$  ogf]  
A115881 6.63679 [  $-x^2*(x^9+x^8+2x^7+4x^6+x^5+6x^4+2x^3+4x^2+1)/(x^2+1)^3/(x-1)^3/(x+1)^3$  ogf]  
A115902 24.7761 [  $12/(-8x+1)$  lgdogf]  
A115902 58.8607  $-12/(-1+8x)$  lgdogf  
A115902 6.77837 [  $\{(-n-2)*a(n+2)+(20+8n)*a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A115903 17.2826 [  $18/(-12x+1)$  lgdogf]  
A115903 39.0111  $-18/(-1+12x)$  lgdogf  
A115903 4.84558 [  $\{(-n-2)*a(n+2)+(30+12n)*a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A115944 5.71500 [  $(x+1)*(x^4-x^2+1)*(x^8+1)*(x^{16}-x^8+1)*(x^2+1)^2$  ogf]  
A115945 7.51658  $(5+5x+4x^3+132x^{17}-140x^{18}+68x^{19}+64x^{15}-124x^{16}-12x^2)/$

$(x-1)/(4*x^{19}-4*x^{18}+4*x^{17}-4*x^{16}+4*x^3-4*x^2+3*x-4)$  lgdogf  
A115945 9.24159 [  $-(4*x^{19}-4*x^{18}+4*x^{17}-4*x^{16}+4*x^3-4*x^2+3*x-4)/(x-1)^2$  ogf]  
A115953 6.49420 [  $(x^5+x^3-1)/(x-1)/(x+1)/(x^2+x+1)/(x^2+1)$  ogf]  
A115953 7.51794  $-(1+2*x+2*x^8+2*x^7-2*x^3+3*x^2+x^4-2*x^5+4*x^6+x^{10})/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^5+x^3-1)$  lgdogf  
A115962 12.8728 [  $-(6*x^2+4*x)/(4*x^3+4*x^2-1)$  lgdogf]  
A115962 24.4992  $-2*x*(2+3*x)/(-1+4*x^2+4*x^3)$  lgdogf  
A115962 4.42254 [  $\{(-n-4)*a(n+4)+(12+4*n)*a(n+2)+(10+4*n)*a(n+1), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 2\}$ , ogf]  
A115967 14.8507  $(-1-4*x+2*(1+2*x+13*x^2)^{(1/2)})/(1+12*x^2)*x$  revogf  
A115967 8.59780  $2*(-6*x^2+2-4*x+(-(x+1)*(3*x-1))^{(1/2)})*(1+3*x)/(x+1)/(3*x-1)/(12*x^2+8*x-3)$  lgdogf  
A115969 5.99974  $-2*(2+2*x^2-12*x+(x^2-6*x+1)^{(1/2)})*(x-3)/(x^2-6*x+1)/(4*x^2-24*x+3)$  lgdogf  
A115969 7.99965  $-(-1-12*x+2*(1+6*x+33*x^2)^{(1/2)})*x/(2*x-1)/(2*x+1)$  revogf  
A115970 12.7146  $8*(4-16*x+3*(1-4*x)^{(1/2)})/(64*x-7)/(-1+4*x)$  lgdogf  
A115970 15.9841  $(-3-32*x+4*(1+12*x+64*x^2)^{(1/2)})*x$  revogf  
A115970 3.59258 [  $\{(256*n+384)*a(n+1)+(-92*n-234)*a(n+2)+(7*n+21)*a(n+3), a(0) = 1, a(1) = 8, a(2) = 72\}$ , ogf]  
A115970 7.93362 [  $8*(-16*x+4+3*(-4*x+1)^{(1/2)})/(256*x^2-92*x+7)$  lgdogf]  
A115971 12.5455 [  $-x*(x^4+x^3+1)/(x-1)/(x+1)/(x^4+1)$  ogf]  
A115971 14.3041  $-x*(2+3*x^7+3*x-x^3+4*x^4-x^5+2*x^8)/(x-1)/(x+1)/(x^4+x^3+1)/(1+x^4)$  lgdogf  
A115978 9.23025 [  $-(-2*x^5-2*x^4-x^3-4*x^2-x-2)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A116078 8.19707  $(-50*x^2+31*x-5+(-(-1+4*x)*(-1+5*x)^2)^{(1/2)})/(25*x^2-14*x+2)/(-1+4*x)$  lgdogf  
A116080 8.38229 [  $x*(3*x^9-10*x^6+13*x^5-7*x^4-3*x^3+7*x^2-3*x+4)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A116082 5.12642 [  $x*(x^6-3*x^5+9*x^4-13*x^3+11*x^2-5*x+1)/(x-1)^8$  ogf]  
A116082 8.45877  $-(3-13*x-29*x^3-3*x^5+2*x^6+27*x^2+21*x^4)/(x-1)/(x^6-3*x^5+9*x^4-13*x^3+11*x^2-5*x+1)$  lgdogf  
A116090 13.6847 [  $-1/(x^5+3*x^4+3*x^3+x^2-1)$  ogf]  
A116090 16.6192  $-x*(5*x+2)*(x+1)^2/(-1+x^2+3*x^3+3*x^4+x^5)$  lgdogf  
A116090 8.14934 [  $-(-5*x^4-12*x^3-9*x^2-2*x)/(-x^5-3*x^4-3*x^3-x^2+1)$  lgdogf]  
A116091 15.3586 [  $-(2+16*x)/(16*x^2+4*x+1)$  lgdogf]  
A116091 19.3827  $-(2*x+(-12*x^2+1)^{(1/2)})*x/(4*x-1)/(4*x+1)$  revogf  
A116091 32.5629  $-2*(8*x+1)/(16*x^2+1+4*x)$  lgdogf  
A116091 5.01916 [  $\{(n+3)*a(n+3)+(10+4*n)*a(n+2)+(32+16*n)*a(n+1), a(0) = 1, a(1) = -2, a(2) = -2\}$ , ogf]  
A116092 14.0951 [  $-(4+64*x)/(64*x^2+8*x+1)$  lgdogf]  
A116092 28.2949  $-4*(16*x+1)/(64*x^2+1+8*x)$  lgdogf  
A116092 4.57634 [  $\{(n+3)*a(n+3)+(20+8*n)*a(n+2)+(128+64*n)*a(n+1), a(0) = 1, a(1) = -4, a(2) = -8\}$ , ogf]  
A116093 14.9949 [  $-(12*x+2)/(12*x^2+4*x+1)$  lgdogf]  
A116093 31.4560  $-2*(1+6*x)/(12*x^2+1+4*x)$  lgdogf  
A116093 4.93253 [  $\{(n+3)*a(n+3)+(10+4*n)*a(n+2)+(24+12*n)*a(n+1), a(0) = 1, a(1) = -2, a(2) = 0\}$ , ogf]  
A116138 13.4759 [  $-6*x/(3*x-1)^3$  ogf]  
A116138 22.6203 [  $9/(-3*x+1)$  lgdogf]  
A116138 5.55587 [  $\{a(n+3)-9*a(n+2)+27*a(n+1)-27*a(n), a(0) = 0, a(1) = 6, a(2) = 54\}$ , ogf]  
A116138 56.7239  $-9/(-1+3*x)$  lgdogf  
A116144 12.5586 [  $-8*x/(4*x-1)^3$  ogf]  
A116144 20.7867 [  $12/(-4*x+1)$  lgdogf]  
A116144 49.4734  $-12/(-1+4*x)$  lgdogf  
A116144 5.24187 [  $\{a(n+3)-12*a(n+2)+48*a(n+1)-64*a(n), a(0) = 0, a(1) = 8, a(2) = 96\}$ , ogf]  
A116149 13.8046  $-(91+264*x+2*x^3+93*x^2)/(x-1)/(x^3+30*x^2+51*x+8)$  lgdogf  
A116149 7.90975 [  $-(x^3+30*x^2+51*x+8)/(x-1)^5$  ogf]  
A116149 8.09159 [  $-(2*x^3+93*x^2+264*x+91)/(x^4+29*x^3+21*x^2-43*x-8)$  lgdogf]  
A116150 11.3236  $-2*(-7-5*x+72*x^3-21*x^2)/(x-1)/(3*x-1)/(2*x+1)/(12*x+1)$  lgdogf

A116150 11.9814 [ (12\*x+1)/(x-1)/(3\*x-1)/(2\*x+1) ogf]  
A116150 5.67539 [{a(n+3)-2\*a(n+2)-5\*a(n+1)+6\*a(n), a(0) = 1, a(1) = 14, a(2) = 33}, ogf]  
A116150 7.26961 [ -(-144\*x^3+42\*x^2+10\*x+14)/(-72\*x^4+54\*x^3+29\*x^2-10\*x-1) lgdogf]  
A116156 12.1027 [ -10\*x/(5\*x-1)^3 ogf]  
A116156 20.8668 [15/(-5\*x+1) lgdogf]  
A116156 49.6792 -15/(-1+5\*x) lgdogf  
A116156 5.12828 [{a(n+3)-15\*a(n+2)+75\*a(n+1)-125\*a(n), a(0) = 0, a(1) = 10, a(2) = 150}, ogf]  
A116157 13.2434 [ -1/(x^2+x-1)/(x^3-x^2+1) ogf]  
A116157 13.8536 -(1+4\*x-6\*x^2+5\*x^4)/(x^2+x-1)/(x^3-x^2+1) lgdogf  
A116157 7.44944 [-(5\*x^4-6\*x^2+4\*x+1)/(x^5-2\*x^3+2\*x^2+x-1) lgdogf]  
A116164 11.4314 [ -12\*x/(6\*x-1)^3 ogf]  
A116164 20.1034 [18/(-6\*x+1) lgdogf]  
A116164 4.89915 [{a(n+3)-18\*a(n+2)+108\*a(n+1)-216\*a(n), a(0) = 0, a(1) = 12, a(2) = 216}, ogf]  
A116164 47.8471 -18/(-1+6\*x) lgdogf  
A116165 12.0087 [ -14\*x/(7\*x-1)^3 ogf]  
A116165 21.1188 [21/(-7\*x+1) lgdogf]  
A116165 5.14659 [{a(n+3)-21\*a(n+2)+147\*a(n+1)-343\*a(n), a(0) = 0, a(1) = 14, a(2) = 294}, ogf]  
A116165 50.3008 -21/(-1+7\*x) lgdogf  
A116166 11.2781 [ -16\*x/(8\*x-1)^3 ogf]  
A116166 19.8339 [24/(-8\*x+1) lgdogf]  
A116166 4.83348 [{a(n+3)-24\*a(n+2)+192\*a(n+1)-512\*a(n), a(0) = 0, a(1) = 16, a(2) = 384}, ogf]  
A116166 47.2094 -24/(-1+8\*x) lgdogf  
A116176 10.2773 [ -18\*x/(9\*x-1)^3 ogf]  
A116176 18.0739 [27/(-9\*x+1) lgdogf]  
A116176 4.40457 [{a(n+3)-27\*a(n+2)+243\*a(n+1)-729\*a(n), a(0) = 0, a(1) = 18, a(2) = 486}, ogf]  
A116176 42.9704 -27/(-1+9\*x) lgdogf  
A116184 5.68350 [ (x^13-x^11-36\*x^10-x^9+x^7+36\*x^6+x^5+33\*x^4+36\*x^3+36\*x^2+37\*x+3)/(x^2+1)/(x+1)^2/(x-1)^2 ogf]  
A116201 11.5284 [ -x\*(x-1)\*(x+1)/(x^4-x^3-x^2-x+1) ogf]  
A116201 13.1863 -(1-4\*x^3+2\*x^5+4\*x^2-x^4)/(x-1)/(x+1)/(x^4-x^3-x^2-x+1) lgdogf  
A116201 7.49344 [-(2\*x^5-x^4-4\*x^3+4\*x^2+1)/(x^6-x^5-2\*x^4+2\*x^2+x-1) lgdogf]  
A116362 10.3858 [ -x\*(4\*x^4-4\*x^3-2\*x^2+1)/(2\*x-1)/(x-1)/(2\*x^2-1) ogf]  
A116362 7.48285 -(3-4\*x+8\*x^6-16\*x^5+56\*x^3-24\*x^2-24\*x^4)/(x-1)/(2\*x-1)/(2\*x^2-1)/(4\*x^4-4\*x^3-2\*x^2+1) lgdogf  
A116363 8.61744 1/2\*(-1-6\*x+12\*x^2+(8\*x^2-4\*x+1)\*(-1+4\*x)^2)^(1/2)/(2\*x+3)/(x-2) revogf  
A116373 4.89037 [ -x^2\*(x^6-x^3+1)\*(x^39+x^36+x^33-x^30-2\*x^27-x^24+x^3+1)/(x-1)/(2\*x^45+x^42+x^39-x^27-x^24-x^21-x^18+1)/(x^2+x+1) ogf]  
A116390 13.3267 (-1-x+2\*(1+2\*x+13\*x^2)^(1/2))/(1+2\*x+17\*x^2)\*x revogf  
A116390 6.88794 (1+17\*x-68\*x^3-4\*x^2+2\*(-(2\*x-1)\*(2\*x+1)\*(1+4\*x)^2)^(1/2))/(2\*x-1)/(2\*x+1)/(17\*x^2+2\*x-3) lgdogf  
A116396 8.45988 1/2\*(3-4\*x-12\*x^3-29\*x^2+(-(-1+4\*x)\*(x-1)^4)^(1/2))/(-1+4\*x)/(x^3+4\*x^2+3\*x-1) lgdogf  
A116404 13.0914 [ (x-1)/(x^2+1)/(x^2+2\*x-1) ogf]  
A116404 15.8195 -(-1-6\*x^2+3\*x^4)/(x-1)/(x^2+1)/(x^2+2\*x-1) lgdogf  
A116404 8.26006 [-(3\*x^4-6\*x^2-1)/(x^5+x^4-2\*x^3+2\*x^2-3\*x+1) lgdogf]  
A116410 3.40047 [{(-9\*n-9)\*a(n)+(-3\*n-3)\*a(n+1)+(5\*n+11)\*a(n+2)+(-n-3)\*a(n+3), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 8}, ogf]  
A116413 14.5032 [ -(x+1)/(x^3+x^2+2\*x-1) ogf]  
A116413 17.9778 -(3+2\*x+2\*x^3+4\*x^2)/(x+1)/(x^3+x^2+2\*x-1) lgdogf  
A116413 6.86313 [{-a(n+3)+2\*a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 7}, ogf]  
A116413 9.60839 [-(2\*x^3+4\*x^2+2\*x+3)/(x^4+2\*x^3+3\*x^2+x-1) lgdogf]  
A116415 13.0645 [-(6\*x-5)/(3\*x^2-5\*x+1) lgdogf]



A116415 16.6096  $-1/6*(-1-5*x+(1+10*x+13*x^2)^{(1/2)})/x$  revogf  
A116415 19.0030  $[1/(3*x^2-5*x+1)$  ogf]  
A116415 26.7198  $-(-5+6*x)/(3*x^2+1-5*x)$  lgdogf  
A116415 7.64754  $[{-a(n+2)+5*a(n+1)-3*a(n), a(0) = 1, a(1) = 5}],$  ogf]  
A116418 12.3543  $[-(6*x^5+2*x^4+5*x^3+4*x^2+5*x+2)/(-x^6+1)$   
ogf\_with\_Euler\_transform]  
A116421 4.93931  $[{(-32*n^2-32*n-8)*a(n)+(n^2+2*n+1)*a(n+1), a(0) = 0, a(1) = 1},$   
ogf]  
A116423 10.9594  $[-(2*x^3-6*x+3)/(x^4+2*x^3-7*x^2+5*x-1)$  lgdogf]  
A116423 13.8435  $[-x*(x-1)/(x^3+3*x^2-4*x+1)$  ogf]  
A116423 16.3057  $-(3-6*x+2*x^3)/(x-1)/(x^3+3*x^2-4*x+1)$  lgdogf  
A116423 7.10881  $[{a(n+3)-4*a(n+2)+3*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 3},$   
ogf]  
A116453 18.2010  $[(x-5)/(2*x-1)$  ogf]  
A116453 18.2010  $[-9/(-2*x^2+11*x-5)$  lgdogf]  
A116453 21.2849  $5/2+x-1/2*(25+16*x+4*x^2)^{(1/2)}$  revogf  
A116453 43.9889  $9/(2*x-1)/(x-5)$  lgdogf  
A116453 9.35331  $[{a(n+2)-2*a(n+1), a(0) = 5, a(1) = 9}],$  ogf]  
A116454 10.2559  $[x*(x+1)*(x-2)/(2*x-1)/(x-1)^2$  ogf]  
A116454 13.9666  $-(9-13*x+2*x^3-2*x^2)/(x-1)/(x-2)/(2*x-1)/(x+1)$  lgdogf  
A116454 5.05027  $[{a(n+4)-4*a(n+3)+5*a(n+2)-2*a(n+1), a(0) = 0, a(1) = 2, a(2) =$   
9, a(3) = 25}], ogf]  
A116454 9.13199  $[-(2*x^3-2*x^2-13*x+9)/(2*x^4-5*x^3+5*x-2)$  lgdogf]  
A116458 16.6401  $[-(x^{10}-x^8-1)/(-x^{14}+1)$  ogf\_with\_Euler\_transform]  
A116468 9.46368  $[ (2*x^5-4*x^4+5*x^3-2*x^2+x+2)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A116470 11.0809  $(-2-6*x+x^6-2*x^5+x^8-8*x^3-8*x^2-9*x^4)/(x^3+x+1)/(x^4+x^2-1)/$   
 $(x^2+x+1)$  lgdogf  
A116470 9.52352  $[-x*(x^2+x+1)*(x^3+x+1)/(x^4+x^2-1)$  ogf]  
A116471 13.3180  $-(x+2)*(x^4-3*x^3+3*x^2+x+2)/(x-1)/(x+1)/(x^4-x^3-2*x^2+3*x+1)$   
lgdogf  
A116471 8.63594  $[-2*x*(x^4-x^3-2*x^2+3*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A116476 4.65864  $[(2*x^8+7*x^7+15*x^6+33*x^5-605*x^4-1379*x^3-183*x^2-33*x-13)/$   
 $(x-1)/(x^8-394*x^4+1)$  ogf]  
A116483 10.4129  $[-(5*x^2-10*x+3)/(-5*x^3-3*x^2+x-1)$  lgdogf]  
A116483 15.0409  $[(x+1)/(5*x^2-2*x+1)$  ogf]  
A116483 16.4523  $-1/2*(-1-2*x+(1+8*x-16*x^2)^{(1/2)})/(-1+5*x)$  revogf  
A116483 19.6514  $-(-3+10*x+5*x^2)/(x+1)/(5*x^2-2*x+1)$  lgdogf  
A116483 8.25413  $[{-a(n+2)+2*a(n+1)-5*a(n), a(0) = 1, a(1) = 3}],$  ogf]  
A116484 14.5118  $[(3*x-1)/(5*x^2-2*x+1)$  ogf]  
A116484 16.5201  $1/2/(-3+5*x)*(-1+2*x+(1+8*x-16*x^2)^{(1/2)})$  revogf  
A116484 17.3461  $-(-1-10*x+15*x^2)/(-1+3*x)/(5*x^2-2*x+1)$  lgdogf  
A116484 7.96378  $[{-a(n+2)+2*a(n+1)-5*a(n), a(0) = -1, a(1) = 1}],$  ogf]  
A116484 9.60338  $[-(15*x^2-10*x-1)/(15*x^3-11*x^2+5*x-1)$  lgdogf]  
A116494 14.6970  $[-(x^3-x^2+x-1)/(-x^5-1)$  ogf\_with\_Euler\_transform]  
A116498 10.7160  $[-(x^6-x^5+x^4+x^3+x^2-x+1)/(-x^8+1)$  ogf\_with\_Euler\_transform]  
A116509 6.21016  $-(109+442*x+25*x^6+50*x^5-164*x^3+579*x^2-177*x^4)/(x^2-2*x-1)/$   
 $(x^2+2*x-1)/(25*x^3+25*x^2-109*x-41)$  lgdogf  
A116509 8.96689  $[-(25*x^3+25*x^2-109*x-41)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A116510 7.69647  $[-(x^{36}+x^{33}+2*x^{32}-x^5+1)/(x-1)/(x+1)/(x^4+1)/(x^{32}+1)$  ogf]  
A116521 13.0568  $[x^3/(x^4-6*x^3+8*x^2-5*x+1)$  ogf]  
A116521 13.5415  $-(-5+16*x+4*x^3-18*x^2)/(8*x^2+1-5*x+x^4-6*x^3)$  lgdogf  
A116521 7.80222  $[-(4*x^3+18*x^2-16*x+5)/(-x^4+6*x^3-8*x^2+5*x-1)$  lgdogf]  
A116530 12.1126  $[{a(n+1)-3*a(n), a(0) = 20}],$  ogf]  
A116530 22.9274  $[3/(-3*x+1)$  lgdogf]  
A116530 24.2021  $-1/3*\ln(20)+1/3*\ln(20+3*x)$  revogf  
A116530 24.6910  $[-20/(3*x-1)$  ogf]  
A116530 57.2049  $-3/(-1+3*x)$  lgdogf  
A116547 7.12824  $[x*(4*x^14-17*x^10+21*x^9-13*x^7+8*x^5-4*x^4-4*x^3+9*x^2-4*x$   
 $+5)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A116551 10.8831  $(-1-11*x-2*x^6+3*x^5+2*x^7+6*x^3-15*x^4)/(x-1)/(x^2+x+1)/$   
 $(2*x^5-5*x^3+5*x^2-2*x+3)$  lgdogf

A116551 11.1764 [  $x*(2*x^5-5*x^3+5*x^2-2*x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
A116556 11.5343 [  $-(-4*x-2)/(-2*x^2-2*x+1)$  lgdogf]  
A116556 14.9634 [  $-4*x/(2*x^2+2*x-1)$  ogf]  
A116556 16.9997  $1/2*(-2-x+(4+4*x+3*x^2)^{(1/2)})/x$  revogf  
A116556 22.6663  $-2*(2*x+1)/(2*x^2-1+2*x)$  lgdogf  
A116556 6.83515 [  $\{-a(n+2)+2*a(n+1)+2*a(n), a(0) = 0, a(1) = 4\}$ , ogf]  
A116558 8.84180 [  $-x*(x^6+x^5+x^4-2*x^3-5*x^2-x-1)/(x^4+2*x^2-1)/(x^4-2*x^2-1)$  ogf]  
A116559 7.62680 [  $x*(x^9+x^8-2*x^7+3*x^6-5*x^5-5*x^4-2*x^3-2*x^2-x-1)/(x^{12}+6*x^6-1)$  ogf]  
A116560 8.04865 [  $-x*(x^9+x^8-x^6+x^5+x^4+x+1)/(x^{12}+2*x^6-1)$  ogf]  
A116561 5.99831 [  $-x*(x^9+x^8+x^7+2*x^6-7*x^5-7*x^4-18*x^3-4*x^2-4*x-1)/(x^{12}-20*x^6+1)$  ogf]  
A116567 4.90870 [ -  
 $x*(1296*x^9+1296*x^8+1296*x^7-36*x^6+228*x^5+228*x^4+40*x^3+2*x^2+2*x+1)/(46656*x^{12}+1476*x^6-1)$  ogf]  
A116576 10.3463  $-(7-x+2*x^5-5*x^3+4*x^6-9*x^2-2*x^4)/(x-1)/(x^3+x^2+x-1)/(2*x^3-x-2)$  lgdogf  
A116576 10.3972 [  $(2*x^3-x-2)/(x^3+x^2+x-1)/(x-1)^2$  ogf]  
A116597 8.32164 [  $-(3*x^7-2*x^6+3*x^5-2*x^4+5*x^3-2*x^2+3*x-2)/(-x^8+1)$  ogf\_with\_Euler\_transform]  
A116604 6.40605 [  $-(-2*x^{11}-3*x^{10}-x^9-2*x^8-2*x^7-3*x^6-3*x^4-2*x^3-2*x^2-x-3)/(x^{12}-1)$  ogf\_with\_Euler\_transform]  
A116634 14.4813 [  $-(x^5-x^2-x-1)/(-x^3+1)$  ogf\_with\_Euler\_transform]  
A116637 5.39405  
 $1/2*(-1)^{(1/3)}*(16+(12*x*3^{(1/2)}+4*(-4+27*x^2)^{(1/2)})^{(4/3)}*(-1)^{(1/3)})/x/(12*x*3^{(1/2)}+4*(-4+27*x^2)^{(1/2)})^{(2/3)}/(-12+81*x^2)^{(1/2)}$  lgdogf  
A116646 19.3447 [  $-(-x^3+2*x)/(x-1)$  ogf\_with\_Euler\_transform]  
A116665 11.8533 [  $-(-x^7-2*x^5-x^4+2*x^2+x)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A116668 13.5809 [  $-(3*x^2+x+1)/(x-1)^3$  ogf]  
A116668 13.8073 [  $-(-3*x^2-8*x-4)/(-3*x^3+2*x^2+1)$  lgdogf]  
A116668 25.4047  $-(x+2)*(3*x+2)/(x-1)/(3*x^2+x+1)$  lgdogf  
A116668 7.33130 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 12\}$ , ogf]  
A116689 10.4258 [  $-(30*x^2+84*x+21)/(10*x^3+6*x^2-15*x-1)$  lgdogf]  
A116689 17.7200  $-3*(7+28*x+10*x^2)/(x-1)/(10*x^2+16*x+1)$  lgdogf  
A116689 3.56127 [  $\{(n+3)*a(n+4)+(9+15*n)*a(n+3)+(-90-6*n)*a(n+2)+(-30-10*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 21, a(3) = 105\}$ , ogf]  
A116689 8.46326 [  $-x*(10*x^2+16*x+1)/(x-1)^5$  ogf]  
A116690 4.49218 [  $-x*(2*x^2-2*x+1)*(2*x^4-4*x^3+6*x^2-4*x+1)/(x-1)^9$  ogf]  
A116690 7.71881  $-(3-16*x+12*x^6-24*x^5-56*x^3+40*x^2+50*x^4)/(x-1)/(2*x^2-2*x+1)/(2*x^4-4*x^3+6*x^2-4*x+1)$  lgdogf  
A116697 8.70803 [  $-(x^3-x^2+2*x+1)/(x^2+1)/(x^2-x-1)$  ogf]  
A116697 9.51579  $-(1-2*x+x^6-2*x^5+2*x^3-x^2+7*x^4)/(x^2+1)/(x^2-x-1)/(x^3-x^2+2*x+1)$  lgdogf  
A116698 8.08034 [  $-(x^3+3*x^2-x+1)/(2*x^2+1)/(x^2+x-1)$  ogf]  
A116698 8.86261  $-x*(4+2*x^5+12*x^4+2*x^2+7*x+x^3)/(2*x^2+1)/(x^2+x-1)/(x^3+3*x^2-x+1)$  lgdogf  
A116699 10.1384 [  $-(-4*x^3+9*x^2-2*x+2)/(-2*x^4+7*x^3-8*x^2+4*x-1)$  lgdogf]  
A116699 16.9388  $-(-2+2*x+4*x^3-9*x^2)/(x-1)/(2*x^3-5*x^2+3*x-1)$  lgdogf  
A116699 4.26881 [  $\{(61*n^2+499*n+948)*a(n+1)+(-128*n^2-800*n-972)*a(n+2)+(67*n^2+277*n+228)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A116699 9.32269 [  $(2*x^3-5*x^2+3*x-1)/(x-1)^5$  ogf]  
A116701 15.8314  $-(2-2*x+9*x^2+x^4)/(x-1)/(x^4-2*x^3+5*x^2-3*x+1)$  lgdogf  
A116701 8.15437 [  $-(x^4-2*x^3+5*x^2-3*x+1)/(x-1)^5$  ogf]  
A116701 8.80301 [  $-(-x^4-9*x^2+2*x-2)/(-x^5+3*x^4-7*x^3+8*x^2-4*x+1)$  lgdogf]  
A116702 10.2625 [  $-(-x^3-4*x^2+3*x-1)/(2*x-1)/(x-1)^3$  ogf]  
A116702 10.6571  $-(2-6*x-12*x^3+11*x^2+2*x^4)/(x-1)/(2*x-1)/(x^3-4*x^2+3*x-1)$  lgdogf  
A116702 7.82387 [  $-(-2*x^4+12*x^3-11*x^2+6*x-2)/(-2*x^5+11*x^4-19*x^3+15*x^2-6*x+1)$  lgdogf]

A116703 10.9166  $-(2-6*x-12*x^3+11*x^2+6*x^4)/(2*x^2-2*x+1)/(3*x^3-5*x^2+4*x-1)$   
lgdogf  
A116703 11.3163  $[-(2*x^2-2*x+1)/(3*x^3-5*x^2+4*x-1)$  ogf]  
A116703 6.16336  $[{a(n+3)-4*a(n+2)+5*a(n+1)-3*a(n), a(0) = 1, a(1) = 2, a(2) = 5},$  ogf]  
A116703 6.83461  $[ -(-6*x^4+12*x^3-11*x^2+6*x-2)/(-6*x^5+16*x^4-21*x^3+15*x^2-6*x+1)$  lgdogf]  
A116704 5.40027  $-2*(1-8*x+73*x^6-106*x^5+6*x^8-32*x^7-74*x^3+32*x^2+107*x^4)/(x-1)/(3*x^3-5*x^2+4*x-1)/(4*x^5-13*x^4+22*x^3-17*x^2+7*x-1)$  lgdogf  
A116704 6.42399  $[(x^5-5*x^4+13*x^3-12*x^2+6*x-1)/(4*x^5-13*x^4+22*x^3-17*x^2+7*x-1)$  ogf]  
A116705 4.11724  $[-(4*x^8-19*x^7+32*x^6-39*x^5+62*x^4-44*x^3+24*x^2-7*x+1)/(x-1)^9$  ogf]  
A116705 5.85122  $-(2-8*x-37*x^6+36*x^5+4*x^8-6*x^7-16*x^3+36*x^2+115*x^4)/(x-1)/(4*x^8-19*x^7+32*x^6-39*x^5+62*x^4-44*x^3+24*x^2-7*x+1)$  lgdogf  
A116706 5.74164  $[(4*x^6-28*x^5+64*x^4-64*x^3+34*x^2-9*x+1)/(x-1)/(2*x-1)^5$  ogf]  
A116706 6.32071  $2*(1-8*x+14*x^6-60*x^5-72*x^3+34*x^2+90*x^4)/(x-1)/(2*x-1)/(4*x^6-28*x^5+64*x^4-64*x^3+34*x^2-9*x+1)$  lgdogf  
A116707 8.16791  $-2*(-1+6*x+4*x^5+24*x^3-18*x^2-14*x^4)/(x-1)/(2*x-1)/(4*x^4-16*x^3+16*x^2-7*x+1)$  lgdogf  
A116707 9.19691  $[-(x-1)*(2*x-1)^2/(4*x^4-16*x^3+16*x^2-7*x+1)$  ogf]  
A116708 3.72810  $[-(4*x^9-29*x^8+108*x^7-234*x^6+313*x^5-268*x^4+151*x^3-54*x^2+11*x-1)/(x^2-3*x+1)/(2*x-1)^2/(x-1)^6$  ogf]  
A116709 5.19174  $-2*(1-10*x+46*x^6-100*x^5+2*x^8-14*x^7-110*x^3+45*x^2+144*x^4)/(2*x^4-7*x^3+12*x^2-6*x+1)/(2*x^5-10*x^4+25*x^3-22*x^2+8*x-1)$  lgdogf  
A116709 7.98476  $[-(2*x^4-7*x^3+12*x^2-6*x+1)/(2*x^5-10*x^4+25*x^3-22*x^2+8*x-1)$  ogf]  
A116710 5.62232  $[-(2*x^6-14*x^5+37*x^4-49*x^3+31*x^2-9*x+1)/(x-1)/(2*x^2-4*x+1)/(x^2-3*x+1)^2$  ogf]  
A116711 10.7199  $[(2*x^5-2*x^3-2*x^2+x-1)/(x-1)^3$  ogf]  
A116711 6.61688  $2*(1+x+2*x^5+4*x^2-5*x^4)/(x-1)/(2*x^5-2*x^3-2*x^2+x-1)$  lgdogf  
A116711 8.50965  $[-(4*x^5-10*x^4+8*x^2+2*x+2)/(-2*x^6+2*x^5+2*x^4-3*x^2+2*x-1)$  lgdogf]  
A116712 10.5939  $[(x^3-x+1)/(2*x-1)/(x^2+x-1)$  ogf]  
A116712 12.4044  $(2-2*x-2*x^3-2*x^2+x^4)/(2*x-1)/(x^2+x-1)/(x^3-x+1)$  lgdogf  
A116712 4.85886  $[{a(n+4)-3*a(n+3)+a(n+2)+2*a(n+1), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12},$  ogf]  
A116713 8.01956  $(2-6*x+4*x^6-20*x^5-20*x^3+8*x^2+35*x^4)/(x-1)/(2*x-1)/(2*x^5-3*x^4-2*x^3+4*x^2-3*x+1)$  lgdogf  
A116713 8.53152  $[(2*x^5-3*x^4-2*x^3+4*x^2-3*x+1)/(2*x-1)/(x-1)^3$  ogf]  
A116714 10.9737  $[(x^4+2*x^3+x^2+1)/(x-1)/(x^3+x^2+x-1)$  ogf]  
A116714 9.57948  $-2*(-1-x+x^6+x^5+4*x^3-2*x^2+3*x^4)/(x-1)/(x^3+x^2+x-1)/(x^4+2*x^3+x^2+1)$  lgdogf  
A116715 6.66498  $-(2+6*x+13*x^6+14*x^5+x^8+6*x^7+14*x^3+14*x^2+12*x^4)/(x+1)/(x^3+2*x^2+1)/(x^5+3*x^4+2*x^3+x^2+x-1)$  lgdogf  
A116715 8.27305  $[-(x+1)*(x^3+2*x^2+1)/(x^5+3*x^4+2*x^3+x^2+x-1)$  ogf]  
A116716 7.31997  $-(2+2*x-x^6+2*x^5+x^8-2*x^7-4*x^3+4*x^2+2*x^4)/(x+1)/(x^2+1)/(x^3-x^2-2*x+1)/(x^3-2*x^2+x-1)$  lgdogf  
A116716 9.66984  $[-(x+1)*(x^3-2*x^2+x-1)/(x^2+1)/(x^3-x^2-2*x+1)$  ogf]  
A116717 11.8948  $-(2-2*x+x^6-2*x^3+2*x^2-4*x^4)/(x-1)/(x^2+x-1)/(x^4-x^3-2*x^2+2*x-1)$  lgdogf  
A116717 8.85258  $[-(x^4-x^3-2*x^2+2*x-1)/(x^2+x-1)/(x-1)^3$  ogf]  
A116718 7.85144  $[(2*x^6+3*x^5-x^4-2*x^3-x^2+2*x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A116718 9.05168  $(-2-2*x^6-15*x^5+2*x^7+16*x^3-2*x^2-x^4)/(x-1)/(x+1)/(x^2+x-1)/(2*x^4+x^3-3*x^2+2*x-1)$  lgdogf  
A116720 10.3071  $[-(2*x^4-8*x^3-8*x^2-2*x-2)/(-2*x^5+3*x^2-2*x+1)$  lgdogf]  
A116720 10.7086  $[-(2*x^4+2*x^3+2*x^2-x+1)/(x-1)^3$  ogf]  
A116720 14.9830  $2*(-1-x-4*x^3-4*x^2+x^4)/(x-1)/(2*x^4+2*x^3+2*x^2-x+1)$  lgdogf  
A116720 5.64771  $[{-a(n+5)+3*a(n+4)-3*a(n+3)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12, a(4) = 25},$  ogf]

A116721 10.6406 [  $-(x^4-3x^2+2x-1)/(x-1)^4$  ogf]  
A116721 18.0595  $-2*(-1+2x^3-3x^2)/(x-1)/(x^4-3x^2+2x-1)$  lgdogf  
A116721 9.75392  $[-(-4x^3+6x^2+2)/(-x^5+x^4+3x^3-5x^2+3x-1)]$  lgdogf]  
A116722 13.2628  $-(2-2x-6x^3+6x^2+5x^4)/(x-1)/(x^5-3x^3+5x^2-3x+1)$  lgdogf  
A116722 7.88406  $[-(5x^4-6x^3+6x^2-2x+2)/(x^6-x^5-3x^4+8x^3-8x^2+4x-1)]$  lgdogf]  
A116722 8.63097 [  $-(x^5-3x^3+5x^2-3x+1)/(x-1)^5$  ogf]  
A116725 8.35191 [  $-(x^4-6x^3+7x^2-4x+1)/(2x-1)/(x-1)^4$  ogf]  
A116725 8.36128  $-2*(-1+4x+x^5+10x^3-7x^2-9x^4)/(x-1)/(2x-1)/(x^4-6x^3+7x^2-4x+1)$  lgdogf  
A116726 6.68903  $-(2-2x-6x^6+2x^5+3x^8+2x^7-6x^3-2x^2+9x^4)/(x-1)/(x^2+x-1)/(x^3-x+1)/(x^3+x^2+x-1)$  lgdogf  
A116726 7.24255 [  $-(x^3-x+1)/(x-1)/(x^2+x-1)/(x^3+x^2+x-1)$  ogf]  
A116727 12.8235 [  $(3x^4+4x^3+2x^2+1)/(x-1)^2$  ogf]  
A116727 6.31651  $2*(-1-2x-4x^3-6x^2+3x^4)/(x-1)/(3x^4+4x^3+2x^2+1)$  lgdogf  
A116727 6.51191 [  $\{-a(n+5)+2a(n+4)-a(n+3), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12, a(4) = 22\}$ , ogf]  
A116727 8.59304  $[-(6x^4-8x^3-12x^2-4x-2)/(-3x^5-x^4+2x^3+2x^2-x+1)]$  lgdogf]  
A116728 10.0925  $[-(-4x^3+12x^2+4x+2)/(4x^4-2x^3-2x^2+x-1)]$  lgdogf]  
A116728 14.3420 [  $(4x^3+2x^2+1)/(x-1)^2$  ogf]  
A116728 18.2151  $2*(-1-2x+2x^3-6x^2)/(x-1)/(4x^3+2x^2+1)$  lgdogf  
A116728 7.10865 [  $\{a(n+4)-2a(n+3)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12\}$ , ogf]  
A116729 4.44156 [  $(x^5+x^4-2x^3-2x^2+x-1)/(x-1)^3$  ogf]  
A116729 5.96604  $2*(1+x+x^5-2x^3+4x^2-2x^4)/(x-1)/(x^5+x^4-2x^3-2x^2+x-1)$  lgdogf  
A116730 10.5514 [  $-(2x^3+x^2-x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A116730 12.8156  $-2*(-1+x^5+2x^3-x^2+2x^4)/(x-1)/(x^2+x-1)/(2x^3+x^2-x+1)$  lgdogf  
A116730 4.46405 [  $\{(-3n-8)*a(n+1)-3a(n+2)+(6n+13)*a(n+3)+(-3n-5)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12\}$ , ogf]  
A116730 7.52275  $[-(2x^5+4x^4+4x^3-2x^2-2)/(2x^6+x^5-5x^4+x^3+3x^2-3x+1)]$  lgdogf]  
A116731 11.5171 [  $(3x^2-2x+1)/(x-1)^4$  ogf]  
A116731 13.2447  $[-(-6x^2-2)/(-3x^3+5x^2-3x+1)]$  lgdogf]  
A116731 24.3607  $-2*(1+3x^2)/(x-1)/(3x^2-2x+1)$  lgdogf  
A116731 3.99337 [  $\{(n+4)*a(n+4)+(-11-3n)*a(n+3)+(5n+10)*a(n+2)+(-3n-9)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12\}$ , ogf]  
A116732 16.1106 [  $x^3/(x^4-x^3-x^2-x+1)$  ogf]  
A116732 19.6433  $-(-1-2x+4x^3-3x^2)/(-x^2+1-x+x^4-x^3)$  lgdogf  
A116732 9.86775  $[-(4x^3-3x^2-2x-1)/(x^4-x^3-x^2-x+1)]$  lgdogf]  
A116733 10.5578 [  $-(x^4+2x^3+2x^2-x+1)/(x-1)^3$  ogf]  
A116733 15.3359  $(-2-2x-4x^3-8x^2+x^4)/(x-1)/(x^4+2x^3+2x^2-x+1)$  lgdogf  
A116733 5.56816 [  $\{-a(n+5)+3a(n+4)-3a(n+3)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12, a(4) = 24\}$ , ogf]  
A116733 9.23809  $[-(x^4-4x^3-8x^2-2x-2)/(-x^5-x^4+3x^2-2x+1)]$  lgdogf]  
A116734 10.8123  $-2*(-1+x^6+2x^5+4x^3-x^2-x^4)/(x-1)/(x^3+x^2-x+1)/(x^3+x^2+x-1)$  lgdogf  
A116734 9.30890 [  $-(x^3+x^2-x+1)/(x^3+x^2+x-1)/(x-1)^2$  ogf]  
A116735 12.0139 [  $-(2x^3+2x^2-x+1)/(x-1)^3$  ogf]  
A116735 12.9525  $[-(8x^2+2x+2)/(2x^4-3x^2+2x-1)]$  lgdogf]  
A116735 21.4050  $-2*(1+x+4x^2)/(x-1)/(2x^3+2x^2-x+1)$  lgdogf  
A116735 6.23277 [  $\{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12\}$ , ogf]  
A116736 5.71577  $-(x^2-4x+2)*(x^6-6x^5+18x^4-28x^3+18x^2-6x+1)/(x^4-5x^3+9x^2-5x+1)/(x^5-7x^4+18x^3-17x^2+7x-1)$  lgdogf  
A116736 6.57329 [  $-(x^4-5x^3+9x^2-5x+1)/(x^5-7x^4+18x^3-17x^2+7x-1)$  ogf]  
A116737 5.71577  $-(x-1)*(4x^8+12x^7+20x^6+14x^5+2x^4+5x^3+7x^2+2x+2)/(x^3+x^2+x-1)/(x^7+x^6-x^5-x^4+2x^3+x^2+3x-1)$  lgdogf  
A116737 6.18280 [  $(x^3+x^2+x-1)/(x^7+x^6-x^5-x^4+2x^3+x^2+3x-1)$  ogf]

A116738 11.9645 [  $(2*x-1)/(x^3-2*x^2+4*x-1)$  ogf]  
A116738 13.2180  $-(-2+4*x+4*x^3-7*x^2)/(2*x-1)/(x^3-2*x^2+4*x-1)$  lgdogf  
A116738 5.66178 [  $\{a(n+3)-4*a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A116738 7.82863 [  $-(-4*x^3+7*x^2-4*x+2)/(-2*x^4+5*x^3-10*x^2+6*x-1)$  lgdogf]  
A116739 3.74144 [  $(2*x^9-8*x^8+53*x^7-133*x^6+190*x^5-182*x^4+115*x^3-45*x^2+10*x-1)/(2*x-1)^3/(x-1)^6$  ogf]  
A116740 3.43911 [  $-(6*x^8-36*x^7+91*x^6-149*x^5+160*x^4-108*x^3+44*x^2-10*x+1)/(x^2-3*x+1)/(2*x-1)^2/(x-1)^5$  ogf]  
A116741 4.60961 [  $-(2*x^6-13*x^5+31*x^4-41*x^3+26*x^2-8*x+1)/(2*x-1)/(x-1)^2/(x^2-3*x+1)^2$  ogf]  
A116742 6.58338 [  $-(2*x^4-9*x^3+13*x^2-6*x+1)/(2*x-1)/(x^2-3*x+1)^2$  ogf]  
A116742 6.95061  $-(2-14*x+4*x^6-24*x^5-81*x^3+47*x^2+63*x^4)/(2*x-1)/(x^2-3*x+1)/(2*x^4-9*x^3+13*x^2-6*x+1)$  lgdogf  
A116743 5.07693 -  $(-2+14*x-65*x^6+115*x^5+x^9-7*x^8+25*x^7+99*x^3-47*x^2-135*x^4)/(x-1)/(x^2-x+1)/(x^3-2*x^2+3*x-1)/(x^4-5*x^3+10*x^2-6*x+1)$  lgdogf  
A116743 5.69052 [  $-(x^3-2*x^2+3*x-1)*(x-1)^2/(x^2-x+1)/(x^4-5*x^3+10*x^2-6*x+1)$  ogf]  
A116744 4.87490 [  $-(x^2-x+1)*(2*x^4-7*x^3+10*x^2-5*x+1)/(2*x^4-7*x^3+8*x^2-5*x+1)/(x-1)^3$  ogf]  
A116745 3.74872 [  $-(15*x^8-89*x^7+211*x^6-293*x^5+262*x^4-151*x^3+54*x^2-11*x+1)/(2*x-1)^4/(x-1)^5$  ogf]  
A116746 5.16528  $-(2-20*x-123*x^6-56*x^5+24*x^8+60*x^7-204*x^3+87*x^2+238*x^4)/(x-1)/(-1+3*x)/(2*x-1)/(x^2+2*x-1)/(4*x^4+5*x^3-12*x^2+6*x-1)$  lgdogf  
A116746 6.75377 [  $-(4*x^4+5*x^3-12*x^2+6*x-1)/(x-1)/(3*x-1)/(2*x-1)/(x^2+2*x-1)$  ogf]  
A116747 4.91916 [  $-(2*x^6-12*x^5+24*x^4-31*x^3+21*x^2-7*x+1)/(2*x-1)/(x^2-3*x+1)/(x-1)^4$  ogf]  
A116748 3.76921 [  $(x^9-8*x^8+24*x^7-44*x^6+61*x^5-72*x^4+58*x^3-29*x^2+8*x-1)/(2*x-1)/(x^3-2*x^2+3*x-1)/(x-1)^5$  ogf]  
A116749 3.64788 [  $(5*x^9-30*x^8+80*x^7-153*x^6+230*x^5-231*x^4+143*x^3-53*x^2+11*x-1)/(x^2-3*x+1)/(2*x-1)^3/(x-1)^4$  ogf]  
A116750 4.04467 [  $(x^8-5*x^7+5*x^6+8*x^5-16*x^4+14*x^3-13*x^2+5*x-1)/(x-1)^7$  ogf]  
A116750 5.46735  $(2-4*x+30*x^6-46*x^5+x^8-8*x^7+8*x^3+23*x^2+8*x^4)/(x-1)/(x^8-5*x^7+5*x^6+8*x^5-16*x^4+14*x^3-13*x^2+5*x-1)$  lgdogf  
A116751 6.67494 [  $-(x-1)^4/(x^5-6*x^4+13*x^3-12*x^2+6*x-1)$  ogf]  
A116751 8.74991  $-(-2+6*x+x^5+11*x^3-15*x^2-5*x^4)/(x-1)/(x^5-6*x^4+13*x^3-12*x^2+6*x-1)$  lgdogf  
A116752 3.96368 [  $-(5*x^7-28*x^6+64*x^5-88*x^4+73*x^3-35*x^2+9*x-1)/(x^2-3*x+1)/(2*x-1)^2/(x-1)^4$  ogf]  
A116753 4.28125 [  $-(8*x^7-41*x^6+84*x^5-103*x^4+79*x^3-36*x^2+9*x-1)/(2*x-1)^3/(x-1)^5$  ogf]  
A116753 5.26276  $-(2-16*x+161*x^6-242*x^5+16*x^8-84*x^7-178*x^3+69*x^2+267*x^4)/(x-1)/(2*x-1)/(8*x^7-41*x^6+84*x^5-103*x^4+79*x^3-36*x^2+9*x-1)$  lgdogf  
A116754 6.83172 [  $(x^6+2*x^5-12*x^4+25*x^3-20*x^2+7*x-1)/(x-1)/(2*x-1)^4$  ogf]  
A116754 7.04621  $(x^2-4*x+2)*(2*x^5-x^4+10*x^3-12*x^2+4*x-1)/(x-1)/(2*x-1)/(x^6+2*x^5-12*x^4+25*x^3-20*x^2+7*x-1)$  lgdogf  
A116755 4.66377 [  $-(x^6-4*x^5+15*x^4-14*x^3+13*x^2-5*x+1)/(x-1)^7$  ogf]  
A116755 7.25316  $-(2-4*x+x^6-2*x^5+4*x^3+23*x^2+25*x^4)/(x-1)/(x^6-4*x^5+15*x^4-14*x^3+13*x^2-5*x+1)$  lgdogf  
A116756 5.11971 [  $(9*x^6-24*x^5-23*x^4-8*x^3-3*x^2+x-1)/(x-1)^3$  ogf]  
A116756 5.43410  $(2+4*x+27*x^6-102*x^5+92*x^3+27*x^2+97*x^4)/(x-1)/(9*x^6-24*x^5-23*x^4-8*x^3-3*x^2+x-1)$  lgdogf  
A116757 6.68512 [  $-(8*x^5-22*x^4+30*x^3-21*x^2+7*x-1)/(2*x-1)^3/(x-1)^3$  ogf]  
A116757 7.13019  $-(2-12*x+16*x^6-40*x^5-80*x^3+43*x^2+74*x^4)/(x-1)/(2*x-1)/(8*x^5-22*x^4+30*x^3-21*x^2+7*x-1)$  lgdogf  
A116758 4.81196 [  $-(x^7-4*x^6+4*x^5-4*x^4+13*x^3-14*x^2+6*x-1)/(x-1)^2/(x^2-3*x$

+1)^2 ogf]  
A116759 4.56070 [ -(x^6-8\*x^5+15\*x^4-14\*x^3+13\*x^2-5\*x+1)/(x-1)^7 ogf]  
A116759 7.08925 -(2-4\*x+x^6-10\*x^5+4\*x^3+23\*x^2+5\*x^4)/(x-1)/  
(x^6-8\*x^5+15\*x^4-14\*x^3+13\*x^2-5\*x+1) lgdogf  
A116760 7.13854 [ (9\*x^3-13\*x^2+6\*x-1)/(2\*x-1)/(x^2-3\*x+1)^2 ogf]  
A116760 7.87718 -(2+14\*x+36\*x^5+89\*x^3-47\*x^2-87\*x^4)/(2\*x-1)/  
(9\*x^3-13\*x^2+6\*x-1)/(x^2-3\*x+1) lgdogf  
A116761 6.08924 [ (2\*x^6-8\*x^5+20\*x^4-30\*x^3+21\*x^2-7\*x+1)/(2\*x-1)^3/(x-1)^3  
ogf]  
A116761 7.00671 -(-2+12\*x+2\*x^6+20\*x^5+88\*x^3-43\*x^2-80\*x^4)/(x-1)/(2\*x-1)/  
(2\*x^6-8\*x^5+20\*x^4-30\*x^3+21\*x^2-7\*x+1) lgdogf  
A116762 3.88086 [ (x^9-4\*x^8+3\*x^7+x^6+8\*x^5-17\*x^4+14\*x^3-13\*x^2+5\*x-1)/(x-1)^7  
ogf]  
A116763 5.41483 [ (2\*x^6-18\*x^5+39\*x^4-45\*x^3+27\*x^2-8\*x+1)/(x-1)^2/(2\*x-1)^4  
ogf]  
A116763 6.73038 (2-14\*x+20\*x^6-54\*x^5-105\*x^3+53\*x^2+102\*x^4)/(x-1)/(2\*x-1)/  
(2\*x^6-18\*x^5+39\*x^4-45\*x^3+27\*x^2-8\*x+1) lgdogf  
A116764 6.18025 -(2-16\*x+54\*x^6-162\*x^5-142\*x^3+61\*x^2+204\*x^4)/(2\*x-1)/  
(27\*x^6-84\*x^5+117\*x^4-91\*x^3+41\*x^2-10\*x+1) lgdogf  
A116764 7.98608 [ -(2\*x-1)\*(3\*x^2-3\*x+1)/(9\*x^4-19\*x^3+17\*x^2-7\*x+1) ogf]  
A116765 4.67665 [ -(3\*x^6+6\*x^5-9\*x^4+5\*x^3-9\*x^2+4\*x-1)/(x-1)^6 ogf]  
A116765 6.76041 -(-2+2\*x+24\*x^5-21\*x^3-21\*x^2+12\*x^4)/(x-1)/  
(3\*x^6+6\*x^5-9\*x^4+5\*x^3-9\*x^2+4\*x-1) lgdogf  
A116766 4.30464 [ -(6\*x^8-7\*x^7-7\*x^6+4\*x^5+11\*x^4+x^3+6\*x^2-3\*x+1)/(x-1)^5 ogf]  
A116767 4.02169 [ -(2\*x^8-3\*x^7+x^6-9\*x^5+15\*x^4-14\*x^3+13\*x^2-5\*x+1)/(x-1)^7  
ogf]  
A116767 5.53910 (-2+4\*x+20\*x^6+12\*x^5+2\*x^8-16\*x^7-4\*x^3-23\*x^2)/(x-1)/  
(2\*x^8-3\*x^7+x^6-9\*x^5+15\*x^4-14\*x^3+13\*x^2-5\*x+1) lgdogf  
A116768 6.15638 -(-2+14\*x-18\*x^6+45\*x^5+6\*x^7+107\*x^3-51\*x^2-107\*x^4)/(x-1)/  
(2\*x-1)/(x^2-3\*x+1)/(3\*x^4-6\*x^3+10\*x^2-5\*x+1) lgdogf  
A116768 7.94961 [ -(3\*x^4-6\*x^3+10\*x^2-5\*x+1)/(2\*x-1)/(x^2-3\*x+1)/(x-1)^2 ogf]  
A116769 4.35749 [ -(3\*x^7-20\*x^6+54\*x^5-71\*x^4+57\*x^3-29\*x^2+8\*x-1)/(2\*x-1)^2/  
(x-1)^6 ogf]  
A116769 5.37452 -(-2-14\*x+143\*x^6-178\*x^5+6\*x^8-47\*x^7-121\*x^3+57\*x^2+158\*x^4)/  
(x-1)/(2\*x-1)/(3\*x^7-20\*x^6+54\*x^5-71\*x^4+57\*x^3-29\*x^2+8\*x-1) lgdogf  
A116770 5.38483 [ (3\*x^6-12\*x^5+22\*x^4-30\*x^3+21\*x^2-7\*x+1)/(2\*x-1)^3/(x-1)^3  
ogf]  
A116770 6.66440 -(-2+12\*x+3\*x^6-2\*x^5+80\*x^3-43\*x^2-54\*x^4)/(x-1)/(2\*x-1)/  
(3\*x^6-12\*x^5+22\*x^4-30\*x^3+21\*x^2-7\*x+1) lgdogf  
A116771 3.81098 [ -(x^9-3\*x^8+3\*x^7-4\*x^6+19\*x^5-32\*x^4+27\*x^3-18\*x^2+6\*x-1)/  
(x-1)^8 ogf]  
A116771 5.07392 (2-6\*x-13\*x^6-33\*x^5+x^9-9\*x^8+21\*x^7-7\*x^3+27\*x^2+33\*x^4)/  
(x-1)/(x^9-3\*x^8+3\*x^7-4\*x^6+19\*x^5-32\*x^4+27\*x^3-18\*x^2+6\*x-1) lgdogf  
A116772 5.01841 -(2-16\*x+167\*x^6-234\*x^5+17\*x^8-74\*x^7-142\*x^3+61\*x^2+221\*x^4)/  
(x-1)/(x^4+3\*x^3-5\*x^2+4\*x-1)/(2\*x^5-13\*x^4+21\*x^3-17\*x^2+7\*x-1) lgdogf  
A116772 6.25206 [ -(x-1)\*(x^4+3\*x^3-5\*x^2+4\*x-1)/  
(2\*x^5-13\*x^4+21\*x^3-17\*x^2+7\*x-1) ogf]  
A116773 5.36463 [ -(4\*x^5-15\*x^4+26\*x^3-20\*x^2+7\*x-1)/(x^2-3\*x+1)/(2\*x-1)^2/  
(x-1)^2 ogf]  
A116774 4.56070 [ -(x^6-5\*x^5+13\*x^4-14\*x^3+13\*x^2-5\*x+1)/(x-1)^7 ogf]  
A116774 7.08925 -(2-4\*x+x^6-4\*x^5-4\*x^3+23\*x^2+14\*x^4)/(x-1)/  
(x^6-5\*x^5+13\*x^4-14\*x^3+13\*x^2-5\*x+1) lgdogf  
A116775 5.69851 (2-10\*x+100\*x^6-5\*x^5+8\*x^8-52\*x^7-57\*x^3+35\*x^2+7\*x^4)/(x-1)/  
(2\*x-1)/(4\*x^7-5\*x^6-11\*x^5+13\*x^4-19\*x^3+16\*x^2-6\*x+1) lgdogf  
A116775 5.83520 [ (4\*x^7-5\*x^6-11\*x^5+13\*x^4-19\*x^3+16\*x^2-6\*x+1)/(2\*x-1)^2/  
(x-1)^4 ogf]  
A116776 5.38879 [ (x^6-14\*x^5+37\*x^4-45\*x^3+27\*x^2-8\*x+1)/(x-1)^2/(2\*x-1)^4 ogf]  
A116776 6.83269 (2-14\*x+20\*x^6-72\*x^5-113\*x^3+53\*x^2+126\*x^4)/(x-1)/(2\*x-1)/  
(x^6-14\*x^5+37\*x^4-45\*x^3+27\*x^2-8\*x+1) lgdogf  
A116777 5.16528 -(2-20\*x+183\*x^6-370\*x^5+9\*x^8-54\*x^7-244\*x^3+91\*x^2+397\*x^4)/  
(x-1)/(-1+3\*x)/(x^2-3\*x+1)/(3\*x^5-12\*x^4+23\*x^3-19\*x^2+7\*x-1) lgdogf

A116777 5.58933 [  $-(3*x^5-12*x^4+23*x^3-19*x^2+7*x-1)/(3*x-1)/(x^2-3*x+1)/(x-1)^3$  ogf]  
A116778 5.40232  $-(2-12*x+60*x^6-94*x^5+9*x^8-36*x^7-92*x^3+43*x^2+108*x^4)/(x-1)/(-1+3*x)/(x^2-x+1)/(3*x^5-9*x^4+11*x^3-11*x^2+5*x-1)$  lgdogf  
A116778 5.60960 [  $-(3*x^5-9*x^4+11*x^3-11*x^2+5*x-1)/(3*x-1)/(x^2-x+1)/(x-1)^3$  ogf]  
A116779 6.61802  $-(2+10*x-3*x^6+14*x^5+x^7+51*x^3-29*x^2-38*x^4)/(x-1)/(x^3-3*x^2+4*x-1)/(x^4-2*x^3+6*x^2-4*x+1)$  lgdogf  
A116779 6.82486 [  $-(x^4-2*x^3+6*x^2-4*x+1)/(x^3-3*x^2+4*x-1)/(x-1)^2$  ogf]  
A116780 5.68739 [  $-(2*x^5-6*x^4+10*x^3-11*x^2+5*x-1)/(2*x^6-8*x^5+19*x^4-27*x^3+19*x^2-7*x+1)$  ogf]  
A116781 7.78236  $-(2+6*x^6+8*x^5+4*x^7+2*x^3+5*x^2-11*x^4)/(2*x^5-2*x^3-x^2-3*x+1)/(x^3+x^2+x-1)$  lgdogf  
A116781 8.15171 [  $-(x^3+x^2+x-1)/(2*x^5-2*x^3-x^2-3*x+1)$  ogf]  
A116782 8.00593  $-(2+10*x+4*x^5+31*x^3-25*x^2-16*x^4)/(x-1)/(2*x-1)/(2*x^4-9*x^3+11*x^2-6*x+1)$  lgdogf  
A116782 8.17100 [  $-(2*x-1)*(x-1)^2/(2*x^4-9*x^3+11*x^2-6*x+1)$  ogf]  
A116783 4.76683 [  $-(3*x^6+x^5+17*x^4-14*x^3+13*x^2-5*x+1)/(x-1)^7$  ogf]  
A116783 7.07606  $-(2-4*x+3*x^6+20*x^5+12*x^3+23*x^2+56*x^4)/(x-1)/(3*x^6+x^5+17*x^4-14*x^3+13*x^2-5*x+1)$  lgdogf  
A116784 4.97838 [  $-(3*x^6+4*x^5-27*x^4+40*x^3-26*x^2+8*x-1)/(x-1)/(x^2-3*x+1)/(2*x-1)^3$  ogf]  
A116785 4.23143 [  $-(3*x^7-15*x^6+34*x^5-54*x^4+52*x^3-28*x^2+8*x-1)/(2*x-1)/(x^2-3*x+1)/(x-1)^5$  ogf]  
A116786 5.17237 [  $-(6*x^6-22*x^5+35*x^4-36*x^3+22*x^2-7*x+1)/(2*x-1)/(3*x^3-5*x^2+4*x-1)/(x-1)^3$  ogf]  
A116787 4.00223 [  $-(x^8-x^7+2*x^6+2*x^5-7*x^4+17*x^3-15*x^2+6*x-1)/(x^9-2*x^8+6*x^7-4*x^6-7*x^5+32*x^4-40*x^3+25*x^2-8*x+1)$  ogf]  
A116788 5.43814  $-(2-16*x+89*x^6-174*x^5+4*x^8-28*x^7-158*x^3+65*x^2+219*x^4)/(x-1)/(2*x-1)/(x^2-3*x+1)/(2*x^5-9*x^4+16*x^3-15*x^2+6*x-1)$  lgdogf  
A116788 5.78922 [  $-(2*x^5-9*x^4+16*x^3-15*x^2+6*x-1)/(2*x-1)/(x^2-3*x+1)/(x-1)^3$  ogf]  
A116789 4.69525 [  $-(4*x^7+4*x^6+11*x^5+8*x^4+4*x^3+4*x^2-3*x+1)/(x^2+x-1)/(x^3+x^2+x-1)/(x-1)^3$  ogf]  
A116790 7.38449 [  $-(x-1)^3/(x^5+x^4-6*x^3+7*x^2-5*x+1)$  ogf]  
A116790 9.17621  $-(2-4*x+2*x^5-4*x^3+11*x^2-4*x^4)/(x-1)/(x^5+x^4-6*x^3+7*x^2-5*x+1)$  lgdogf  
A116791 4.12679 [  $-(x^7-6*x^6+20*x^5-30*x^4+27*x^3-18*x^2+6*x-1)/(x-1)^8$  ogf]  
A116791 6.11529  $-(2+6*x-5*x^6+24*x^5+x^7+15*x^3-27*x^2-20*x^4)/(x-1)/(x^7-6*x^6+20*x^5-30*x^4+27*x^3-18*x^2+6*x-1)$  lgdogf  
A116792 4.05327 [  $(x^9-4*x^8+3*x^7+5*x^6-9*x^5+2*x^4-6*x^3+10*x^2-5*x+1)/(x^2-3*x+1)/(x^3+x^2+x-1)/(x-1)^3$  ogf]  
A116793 5.50136  $-(2-12*x+13*x^6-28*x^5+x^8-4*x^7-72*x^3+39*x^2+65*x^4)/(x^4-2*x^3+6*x^2-4*x+1)/(x^5-3*x^4+11*x^3-12*x^2+6*x-1)$  lgdogf  
A116793 6.50553 [  $-(x^4-2*x^3+6*x^2-4*x+1)/(x^5-3*x^4+11*x^3-12*x^2+6*x-1)$  ogf]  
A116794 4.44712 [  $-(2*x^8-4*x^6+11*x^5-x^4+6*x^3-10*x^2+5*x-1)/(x^2-3*x+1)/(x^3+x^2+x-1)/(x-1)^3$  ogf]  
A116795 3.95104 [  $(x^7-5*x^6+8*x^5-9*x^4+17*x^3-15*x^2+6*x-1)/(x^2+1)/(x^2-3*x+1)/(x^3-x^2-2*x+1)/(x-1)^3$  ogf]  
A116796 8.25385  $-(2+10*x+8*x^5+45*x^3-29*x^2-31*x^4)/(x-1)/(x^2-3*x+1)/(4*x^3-9*x^2+5*x-1)$  lgdogf  
A116796 8.46455 [  $(4*x^3-9*x^2+5*x-1)/(x-1)/(x^2-3*x+1)^2$  ogf]  
A116797 5.84110 [  $-(3*x^5-4*x^4+4*x^3-7*x^2+4*x-1)/(4*x^6-7*x^5+9*x^4-15*x^3+13*x^2-6*x+1)$  ogf]  
A116798 7.00372  $-(2-16*x+6*x^6-42*x^5-94*x^3+53*x^2+92*x^4)/(2*x-1)/(x^2-3*x+1)/(3*x^4-11*x^3+15*x^2-7*x+1)$  lgdogf  
A116798 9.72065 [  $-(2*x-1)*(x^2-3*x+1)/(3*x^4-11*x^3+15*x^2-7*x+1)$  ogf]  
A116800 7.44013 [  $(x^5-3*x^4+7*x^3-10*x^2+5*x-1)/(x^2-3*x+1)/(3*x^3-5*x^2+4*x-1)$  ogf]  
A116801 4.47146 [  $-(x^7-x^6+3*x^5-3*x^4+9*x^3-10*x^2+5*x-1)/(x^8-x^7+4*x^6-7*x^5+19*x^4-24*x^3+18*x^2-7*x+1)$  ogf]

A116802 4.70615 [  $-(2*x^6-10*x^5+31*x^4-41*x^3+26*x^2-8*x+1)/(2*x-1)/(x-1)^2/(x^2-3*x+1)^2$  ogf]  
A116803 4.39726 [  $-(3*x^7-7*x^6-3*x^5+17*x^4-14*x^3+13*x^2-5*x+1)/(x-1)^7$  ogf]  
A116803 6.27096  $-(2-4*x+14*x^6-48*x^5+12*x^3+23*x^2+36*x^4)/(x-1)/(3*x^7-7*x^6-3*x^5+17*x^4-14*x^3+13*x^2-5*x+1)$  lgdogf  
A116804 4.41093 [  $-(5*x^8-2*x^7-x^6+9*x^5+10*x^4+x^3+6*x^2-3*x+1)/(x-1)^5$  ogf]  
A116804 5.24757  $(-2+13*x^6+6*x^5+15*x^8-44*x^7-42*x^3-21*x^2-55*x^4)/(x-1)/(5*x^8-2*x^7-x^6+9*x^5+10*x^4+x^3+6*x^2-3*x+1)$  lgdogf  
A116805 5.45810 [  $-(2*x-1)*(x^4-3*x^3+6*x^2-4*x+1)/(2*x^2-4*x+1)/(x-1)^4$  ogf]  
A116805 5.91160  $-(2+14*x-16*x^6+56*x^5+4*x^7+95*x^3-47*x^2-108*x^4)/(x-1)/(2*x-1)/(2*x^2-4*x+1)/(x^4-3*x^3+6*x^2-4*x+1)$  lgdogf  
A116806 5.30005 [  $-(4*x^5-13*x^4+23*x^3-19*x^2+7*x-1)/(x-1)/(x^3-3*x^2+4*x-1)/(2*x-1)^2$  ogf]  
A116807 5.99244 [  $-(x^8-2*x^7-x^6+4*x^5-x^4-6*x^2+4*x-1)/(2*x-1)/(x-1)/(x^2-3*x+1)$  ogf]  
A116808 3.96860 [  $-(5*x^8-12*x^7+3*x^6+11*x^5-26*x^4+34*x^3-22*x^2+7*x-1)/(2*x-1)/(x^2+x-1)/(x-1)^6$  ogf]  
A116809 6.70882 [  $-(x-1)^4/(x^5-5*x^4+13*x^3-12*x^2+6*x-1)$  ogf]  
A116809 8.92090  $-(2+6*x+x^5+7*x^3-15*x^2-5*x^4)/(x-1)/(x^5-5*x^4+13*x^3-12*x^2+6*x-1)$  lgdogf  
A116810 3.34528 [  $-(x^9-11*x^8+47*x^7-109*x^6+162*x^5-165*x^4+109*x^3-44*x^2+10*x-1)/(x^2-3*x+1)^2/(x-1)^6$  ogf]  
A116812 3.78832 [  $(x^9-2*x^8-10*x^7+35*x^6-64*x^5+75*x^4-59*x^3+29*x^2-8*x+1)/(x-1)^2/(3*x^3-5*x^2+4*x-1)^2$  ogf]  
A116814 3.47410 [  $-(4*x^8-35*x^7+114*x^6-197*x^5+208*x^4-135*x^3+52*x^2-11*x+1)/(2*x-1)^2/(x^2-3*x+1)^2/(x-1)^3$  ogf]  
A116815 4.14899 [  $(2*x^{10}+4*x^9+9*x^8+9*x^7+4*x^6-18*x^5-15*x^4-5*x^3-x^2+x-1)/(x-1)/(x^3+x^2+x-1)/(x^5+3*x^4+2*x^3+x^2+x-1)$  ogf]  
A116816 5.60960 [  $-(2*x^5-9*x^4+14*x^3-14*x^2+6*x-1)/(x-1)/(2*x^3-4*x^2+4*x-1)/(x^2-3*x+1)$  ogf]  
A116817 5.76969  $-(2-12*x-3*x^6+20*x^5+x^8-4*x^7-40*x^3+31*x^2+9*x^4)/(x-1)/(x^4-2*x^3-5*x^2+5*x-1)/(x^4-2*x^3-4*x^2+4*x-1)$  lgdogf  
A116817 6.64322 [  $-(x^4-2*x^3-4*x^2+4*x-1)/(x-1)/(x^4-2*x^3-5*x^2+5*x-1)$  ogf]  
A116818 4.34723 [  $-(2*x^7-11*x^6+16*x^5-33*x^4+27*x^3-18*x^2+6*x-1)/(x-1)^8$  ogf]  
A116818 6.24104  $-(2+6*x-8*x^6-18*x^5+2*x^7+3*x^3-27*x^2-52*x^4)/(x-1)/(2*x^7-11*x^6+16*x^5-33*x^4+27*x^3-18*x^2+6*x-1)$  lgdogf  
A116819 6.68004  $-(2-16*x+9*x^6-48*x^5-110*x^3+57*x^2+109*x^4)/(3*x^3-8*x^2+5*x-1)/(3*x^4-14*x^3+16*x^2-7*x+1)$  lgdogf  
A116819 8.02682 [  $-(3*x^3-8*x^2+5*x-1)/(3*x^4-14*x^3+16*x^2-7*x+1)$  ogf]  
A116820 5.22724  $-(2-20*x+150*x^6-342*x^5+x^8-20*x^7-240*x^3+91*x^2+380*x^4)/(x-1)/(x^4-13*x^3+16*x^2-7*x+1)/(x^4-10*x^3+13*x^2-6*x+1)$  lgdogf  
A116820 7.53335 [  $-(x^4-10*x^3+13*x^2-6*x+1)/(x-1)/(x^4-13*x^3+16*x^2-7*x+1)$  ogf]  
A116821 5.60529 [  $-(x^6-10*x^4+17*x^3-14*x^2+6*x-1)/(2*x^6-14*x^5+34*x^4-38*x^3+24*x^2-8*x+1)$  ogf]  
A116822 4.32241 [  $-(x^7-3*x^6+12*x^5-18*x^4+22*x^3-16*x^2+6*x-1)/(x^8-4*x^7+18*x^6-35*x^5+51*x^4-47*x^3+26*x^2-8*x+1)$  ogf]  
A116823 7.10374  $-(2-16*x+2*x^6-28*x^5-94*x^3+53*x^2+85*x^4)/(x^2-3*x+1)/(2*x^2-4*x+1)/(x^3-7*x^2+5*x-1)$  lgdogf  
A116823 7.98608 [  $-(x^3-7*x^2+5*x-1)/(x^2-3*x+1)/(2*x^2-4*x+1)$  ogf]  
A116824 4.71530 [  $-(4*x^6-2*x^5+17*x^4-14*x^3+13*x^2-5*x+1)/(x-1)^7$  ogf]  
A116824 6.84062  $-(2-4*x+4*x^6+20*x^5+12*x^3+23*x^2+41*x^4)/(x-1)/(4*x^6-2*x^5+17*x^4-14*x^3+13*x^2-5*x+1)$  lgdogf  
A116825 5.70500 [  $(2*x^9-16*x^8+15*x^7+13*x^6-8*x^5-11*x^4-x^3-6*x^2+3*x-1)/(x-1)^5$  ogf]  
A116826 5.19177  $-(2-16*x+145*x^6-250*x^5+16*x^8-56*x^7-166*x^3+65*x^2+263*x^4)/(x-1)/(4*x^3-7*x^2+5*x-1)/(4*x^5-11*x^4+18*x^3-15*x^2+6*x-1)$  lgdogf  
A116826 5.61741 [  $-(4*x^5-11*x^4+18*x^3-15*x^2+6*x-1)/(4*x^3-7*x^2+5*x-1)/(x-1)^3$  ogf]  
A116827 3.45721 [  $-(4*x^8-33*x^7+91*x^6-151*x^5+161*x^4-108*x^3+44*x^2-10*x+1)/($



$(x^2-3x+1)/(2x-1)^2/(x-1)^5$  ogf]  
A116828 3.57445 [  $-(x^8+2x^7-18x^6+47x^5-65x^4+55x^3-28x^2+8x-1)/(x^9+2x^8-27x^7+86x^6-144x^5+150x^4-100x^3+42x^2-10x+1)$  ogf]  
A116829 3.94626 [  $(x^9-5x^8+6x^7+x^6+2x^5-17x^4+14x^3-13x^2+5x-1)/(x-1)^7$  ogf]  
A116830 5.53923 [  $(2x^6+3x^5+4x^4+2x^3-9x^2+5x-1)/(2x-1)/(x-1)/(x^2-3x+1)/(x^2+x-1)$  ogf]  
A116831 3.98332 [  $-(x^8-9x^7+31x^6-62x^5+74x^4-58x^3+29x^2-8x+1)/(2x-1)/(x^3-2x^2+3x-1)/(x-1)^5$  ogf]  
A116832 5.07298  $(-2+4x-27x^6-22x^5+2x^9-13x^8+32x^7-23x^2-7x^4)/(x-1)/(x^9-4x^8+3x^7+6x^6-7x^5+14x^4-14x^3+13x^2-5x+1)$  lgdogf  
A116832 5.08233 [  $-(x^9-4x^8+3x^7+6x^6-7x^5+14x^4-14x^3+13x^2-5x+1)/(x-1)^7$  ogf]  
A116833 5.40413 [  $-(2x^7-8x^6+19x^5-29x^4+27x^3-18x^2+6x-1)/(x-1)^8$  ogf]  
A116833 5.96877  $(-2+6x-2x^6+9x^5+2x^7+19x^3-27x^2-21x^4)/(x-1)/(2x^7-8x^6+19x^5-29x^4+27x^3-18x^2+6x-1)$  lgdogf  
A116834 5.08675 [  $-(x^6+16x^5+13x^4+x^3+6x^2-3x+1)/(x-1)^5$  ogf]  
A116834 7.28829  $(-2+x^6-6x^5-54x^3-21x^2-93x^4)/(x-1)/(x^6+16x^5+13x^4+x^3+6x^2-3x+1)$  lgdogf  
A116836 3.95343 [  $-(2x^8-7x^7+7x^6-8x^5+8x^4-12x^3+11x^2-5x+1)/(2x^9-7x^8+7x^7-10x^6+16x^5-27x^4+29x^3-19x^2+7x-1)$  ogf]  
A116837 10.6731  $-(2-4x-8x^3+11x^2+2x^4)/(x-1)/(x^2-x+1)/(2x^2-4x+1)$  lgdogf  
A116837 8.06810 [  $-(x-1)^3/(x^2-x+1)/(2x^2-4x+1)$  ogf]  
A116838 3.31009 [  $(x^9-8x^8+34x^7-97x^6+183x^5-205x^4+135x^3-52x^2+11x-1)/(2x-1)^2/(x^2-3x+1)^2/(x-1)^3$  ogf]  
A116839 3.60845 [  $(2x^{10}-x^9-11x^8+6x^7+7x^6-20x^5+8x^4+18x^3-19x^2+7x-1)/(2x-1)/(x^2+2x-1)/(x^2+x-1)^2/(x-1)^3$  ogf]  
A116840 3.81777 [  $(x^8-6x^7+17x^6-40x^5+58x^4-52x^3+28x^2-8x+1)/(2x-1)/(x^2-3x+1)/(x-1)^5$  ogf]  
A116842 5.24352 [  $-(18x^6+31x^5+22x^4+8x^3+3x^2-x+1)/(x-1)^3$  ogf]  
A116842 5.50307  $(-2-4x+54x^6-46x^5-88x^3-27x^2-133x^4)/(x-1)/(18x^6+31x^5+22x^4+8x^3+3x^2-x+1)$  lgdogf  
A116843 3.96368 [  $-(8x^7-26x^6+60x^5-87x^4+73x^3-35x^2+9x-1)/(x^2-3x+1)/(2x-1)^2/(x-1)^4$  ogf]  
A116844 4.53493 [  $-(x^6-3x^5+13x^4-14x^3+12x^2-5x+1)/(x-1)^7$  ogf]  
A116844 7.59749  $(-2-6x+x^6-4x^3+18x^2+24x^4)/(x-1)/(x^6-3x^5+13x^4-14x^3+12x^2-5x+1)$  lgdogf  
A116845 7.79748  $(-2-12x+x^6-5x^5-36x^3+30x^2+19x^4)/(x-1)/(x^2-3x+1)/(x^4-4x^3+8x^2-5x+1)$  lgdogf  
A116845 7.97518 [  $-(x^4-4x^3+8x^2-5x+1)/(x-1)/(x^2-3x+1)^2$  ogf]  
A116846 5.21305  $(2-6x+25x^6-30x^5+x^8-8x^7-4x^3+18x^2+9x^4)/(x-1)/(x^8-4x^7+3x^6+6x^5-13x^4+14x^3-12x^2+5x-1)$  lgdogf  
A116846 5.26984 [  $(x^9-4x^8+4x^7-x^6+8x^5-21x^4+23x^3-16x^2+6x-1)/(x-1)^7$  ogf]  
A116847 3.98524 [  $\{(n+4)*a(n+1)+(-4*n-13)*a(n+2)+(4*n+7)*a(n+3)+(-n-1)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 14\}$ , ogf]  
A116847 6.90487  $(-2+12x-7x^6+19x^5+x^7+50x^3-34x^2-35x^4)/(x-1)/(x^2-3x+1)/(x^5-5x^4+9x^3-10x^2+5x-1)$  lgdogf  
A116847 6.98299 [  $-(x^5-5x^4+9x^3-10x^2+5x-1)/(x^2-3x+1)/(x-1)^4$  ogf]  
A116848 5.15988  $(-2-14x+83x^6-120x^5+12x^8-40x^7-104x^3+50x^2+135x^4)/(3x^4-5x^3+7x^2-4x+1)/(4x^5-10x^4+17x^3-14x^2+6x-1)$  lgdogf  
A116848 7.78689 [  $-(3x^4-5x^3+7x^2-4x+1)/(4x^5-10x^4+17x^3-14x^2+6x-1)$  ogf]  
A116849 11.8650  $(-2-6x-4x^3+10x^2+x^4)/(x-1)/(x^4-6x^3+8x^2-5x+1)$  lgdogf  
A116849 6.72485 [  $(-x^4+4x^3-10x^2+6x-2)/(-x^5+7x^4-14x^3+13x^2-6x+1)$  lgdogf]  
A116849 8.64623 [  $-(x-1)^3/(x^4-6x^3+8x^2-5x+1)$  ogf]  
A116850 6.86798 [  $-(7x^5-20x^4+28x^3-20x^2+7x-1)/(2x-1)^3/(x-1)^3$  ogf]  
A116850 7.35013  $(-2-14x+14x^6-38x^5-80x^3+46x^2+73x^4)/(x-1)/(2x-1)/$

$(7x^5-20x^4+28x^3-20x^2+7x-1)$  lgdogf  
A116851 6.87121 [  $-(2x^5-8x^4+11x^3-11x^2+5x-1)/(2x-1)/(x-1)^5$  ogf]  
A116851 7.55822  $-2*(1-5x+2x^6-8x^5-17x^3+14x^2+8x^4)/(x-1)/(2x-1)/(2x^5-8x^4+11x^3-11x^2+5x-1)$  lgdogf  
A116862 8.60682  $1/6*(3*(4x^2+8x+1)^{(1/2)}*x+(4x^2+8x+1)^{(1/2)}-1-7x-6x^2)/x^2$  revogf  
A116867 13.3763  $-(-1+12x+5*(1-12x)^{(1/2)})/(x+2)/(-1+12x)$  lgdogf  
A116867 15.1363  $1/2*(13-4x+5*(1-8x)^{(1/2)})x/(x+3)^2$  revogf  
A116867 3.81275 [  $\{(12n+30)*a(n+1)+(23n+32)*a(n+2)+(-2n-6)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 9\}$ , ogf]  
A116867 8.15504 [  $-(12x-1+5*(-12x+1)^{(1/2)})/(12x^2+23x-2)$  lgdogf]  
A116875 5.12157  $1/2*(-7+290x-1800x^3-355x^2+3*(-(-1+40x)*(-1+60x+145x^2)^2)^{(1/2)})/(1+5x)/(9x+1)/(-1+40x)/(x+2)$  lgdogf  
A116876 5.00871  $1/2*(-85+4200x-28224x^3-5172x^2+7*(-(-1+48x)*(-5+360x+972x^2)^2)^{(1/2)})/(49x+5)/(2x+5)/(1+6x)/(1+48x)$  lgdogf  
A116877 5.61141  $(-15+861x-6272x^3-1064x^2+6*(-(-1+56x)*(-1+84x+252x^2)^2)^{(1/2)})/(-1+56x)/(32x+3)/(7x+1)/(x+3)$  lgdogf  
A116879 6.82066  
 $20-128x-400x^2+(-2+36x-320x^3-120x^2)*f(x)+(15x^2-64x^4-48x^3-x)*f(x)^2$   
lgdogf  
A116915 8.78862 [  $-(x^4+x^3-x^2-x+1)/(-x^5+1)$  ogf\_with\_Euler\_transform]  
A116917 8.47810  $(-1-2x+4x^5+34x^7-10x^3+20x^9-22x^8-39x^6-4x^2-14x^4)/(x-1)/(x^2+1)/(5x^7+x^6+4x^5+3x^4+x^3+2x^2+1)$  lgdogf  
A116917 9.97651 [  $-(5x^7+x^6+4x^5+3x^4+x^3+2x^2+1)/(x^2+1)/(x-1)$  ogf]  
A116921 12.0558  $(-1+x+x^5-2x^3+2x^6+4x^2+9x^4)/(x-1)/(x+1)/(x^2+1)/(2x^5-2x^4+x^3+1)$  lgdogf  
A116921 12.3989 [  $x*(2x^5-2x^4+x^3+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A116922 10.2358 [  $-(2x^6-2x^5+x^4-x^3-x^2-1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A116922 8.93720  $(1+3x-7x^5-x^7+3x^3+2x^9-2x^8+x^6+5x^2+11x^4)/(x-1)/(x+1)/(x^2+1)/(2x^6-2x^5+x^4-x^3-x^2-1)$  lgdogf  
A116930 13.5434 [  $-(x^5-4x^3+3x+1)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A116940 11.9684 [  $-(2x^3+2x^2-10x-6)/(x^4-4x^2+3)$  lgdogf]  
A116940 14.4881 [  $x*(x^2-3)/(x+1)/(x-1)^3$  ogf]  
A116940 20.8695  $-2*(-3-5x+x^3+x^2)/(x-1)/(x+1)/(x^2-3)$  lgdogf  
A116951 7.46167 [  $-x*(3x^4-6x^3+39x^2+6x+1)/(3x^6+90x^3-1)$  ogf]  
A116952 11.7185 [  $-(12x^2+6x-8)/(12x^3-13x^2+1)$  lgdogf]  
A116952 16.4060 [  $(4x+1)/(3x-1)/(x-1)$  ogf]  
A116952 16.8624  $-1/2*(-1-4x+(1+24x+4x^2)^{(1/2)})/(-4+3x)$  revogf  
A116952 18.1271  $-2*(-4+3x+6x^2)/(x-1)/(-1+3x)/(4x+1)$  lgdogf  
A116952 9.00327 [  $\{-a(n+2)+4a(n+1)-3a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A116955 13.5570  $-2*(-5+11x+3x^3-25x^2)/(x-1)/(9x^4-30x^3+20x^2-6x-1)$  lgdogf  
A116955 8.66821 [  $-(-6x^3+50x^2-22x+10)/(-9x^5+39x^4-50x^3+26x^2-5x-1)$  lgdogf]  
A116955 9.36566 [  $-(9x^4-30x^3+20x^2-6x-1)/(x-1)^4$  ogf]  
A116966 11.3692  $-(3+x-x^5+8x^3+4x^6+8x^2+9x^4)/(x-1)/(x+1)/(x^2+1)/(2x^3-x^2+2x+1)$  lgdogf  
A116966 12.1082 [  $(2x^3-x^2+2x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A116969 10.3533 [  $-(x^3-2x^2-5x+4)/(x+1)/(2x-1)/(x-1)^2$  ogf]  
A116969 10.7290  $-(-7+5x+2x^5-29x^3+27x^2-6x^4)/(x-1)/(2x-1)/(x+1)/(x^3-2x^2-5x+4)$  lgdogf  
A116969 4.19581 [  $\{(-2n-4)*a(n+1)+a(n+2)*n+(2n+3)*a(n+3)+(-n-1)*a(n+4), a(0) = 4, a(1) = 7, a(2) = 15, a(3) = 27\}$ , ogf]  
A116970 14.3061 [  $(6x+1)/(3x-1)/(x-1)$  ogf]  
A116970 15.3878  $-1/6*(-1-4x+(1+32x+4x^2)^{(1/2)})/(-2+x)$  revogf  
A116970 15.7725  $-2*(-5+3x+9x^2)/(x-1)/(-1+3x)/(1+6x)$  lgdogf  
A116970 7.75634 [  $\{-a(n+2)+4a(n+1)-3a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A116970 9.46729 [  $-(18x^2+6x-10)/(18x^3-21x^2+2x+1)$  lgdogf]  
A116971 10.0708 [  $2*(2x^2+2x-5)/(4x-1)/(x-1)^2$  ogf]  
A116971 11.3338  $-2*(14-33x+4x^3+12x^2)/(x-1)/(-1+4x)/(2x^2+2x-5)$  lgdogf  
A116971 5.38267 [  $\{a(n+3)-6a(n+2)+9a(n+1)-4a(n), a(0) = 10, a(1) = 56, a(2) =$

242}], ogf]

A116971 7.34576  $[-(8*x^3+24*x^2-66*x+28)/(8*x^4-2*x^3-28*x^2+27*x-5) \text{ lgdogf}]$

A116972 11.0365  $-(21-19*x+39*x^3-57*x^2)/(-1+3*x)/(x-1)/(13*x^2-16*x-1) \text{ lgdogf}$

A116972 5.43614  $[{a(n+3)-5*a(n+2)+7*a(n+1)-3*a(n), a(0) = 1, a(1) = 21, a(2) = 85}], \text{ ogf}]$

A116972 6.96315  $[-(-39*x^3+57*x^2+19*x-21)/(-39*x^4+100*x^3-74*x^2+12*x+1) \text{ lgdogf}]$

A116972 9.83683  $[(13*x^2-16*x-1)/(3*x-1)/(x-1)^2 \text{ ogf}]$

A116973 10.3954  $[-(3*x^2-7*x-1)/(x-1)/(3*x-1)/(x+1) \text{ ogf}]$

A116973 5.56245  $[{a(n+3)-3*a(n+2)-a(n+1)+3*a(n), a(0) = 1, a(1) = 10, a(2) = 28}], \text{ ogf}]$

A116973 9.86101  $-(10-4*x-42*x^3+7*x^2+9*x^4)/(x-1)/(-1+3*x)/(x+1)/(3*x^2-7*x-1) \text{ lgdogf}$

A116975 11.2451  $-(1+2*x^7+2*x^3+x^6+3*x^2+5*x^4)/(x+1)/(x^2-x+1)/(x^5+x^4+x-1) \text{ lgdogf}$

A116975 12.4904  $[-(x^2-x+1)*(x+1)/(x^5+x^4+x-1) \text{ ogf}]$

A116996 10.1061  $-2*(2+2*x+6*x^3+3*x^6+5*x^2+6*x^4)/(x-1)/(x+1)/(x^2+1)/(2*x^3-x^2+2*x+1) \text{ lgdogf}$

A116996 8.30755  $[-x*(2*x^3-x^2+2*x+1)/(x+1)/(x^2+1)/(x-1)^3 \text{ ogf}]$

A117058 4.47146  $[-(500*x^8-200*x^7-200*x^6-100*x^5-106*x^4+2*x^3+2*x^2+x+2)/(x-1)/(10*x^2-1)/(10*x^2+1)/(10*x^4-1) \text{ ogf}]$

A117066 10.0100  $[-(3*x^2+6*x+1)/(x-1)^5 \text{ ogf}]$

A117066 11.9817  $[-(9*x^2+30*x+11)/(3*x^3+3*x^2-5*x-1) \text{ lgdogf}]$

A117066 21.5652  $-(11+30*x+9*x^2)/(x-1)/(3*x^2+6*x+1) \text{ lgdogf}$

A117066 3.91481  $[{(n+4)*a(n+4)+(4+5*n)*a(n+3)+(-36-3*n)*a(n+2)+(-12-3*n)*a(n+1), a(0) = 1, a(1) = 11, a(2) = 48, a(3) = 140}], \text{ ogf}]$

A117079 8.17617  $[-(x^7+x^4+1)/(x+1)/(2*x-1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$

A117080 10.8720  $[-(x^3-x^2-1)/(x-1)/(x^3+2*x-1) \text{ ogf}]$

A117080 12.1842  $-(3-2*x+x^6-2*x^5+2*x^3-3*x^2-x^4)/(x-1)/(x^3-x^2-1)/(x^3+2*x-1) \text{ lgdogf}$

A117081 11.0975  $[-(-3599*x^2+5362*x-1979)/(-3599*x^3+9879*x^2-9033*x+2753) \text{ lgdogf}]$

A117081 13.4755  $[-(3599*x^2-6280*x+2753)/(x-1)^3 \text{ ogf}]$

A117081 18.8805  $-(1979-5362*x+3599*x^2)/(x-1)/(3599*x^2-6280*x+2753) \text{ lgdogf}$

A117081 7.79576  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2753, a(1) = 1979, a(2) = 1277}], \text{ ogf}]$

A117088 10.8536  $[-(30*x^2+10*x-12)/(30*x^3-31*x^2+1) \text{ lgdogf}]$

A117088 14.3312  $-1/2*(-1-6*x+(1+36*x+16*x^2)^(1/2))/(-6+5*x) \text{ revogf}$

A117088 15.6774  $[(6*x+1)/(5*x-1)/(x-1) \text{ ogf}]$

A117088 15.7643  $-2*(-6+5*x+15*x^2)/(x-1)/(5*x-1)/(1+6*x) \text{ lgdogf}$

A117088 8.49982  $[{-a(n+2)+6*a(n+1)-5*a(n), a(0) = 1, a(1) = 12}], \text{ ogf}]$

A117106 4.90968  $[{(-n^2-n)*a(n)+(-11*n^2-77*n-126)*a(n+1)+(n^2+13*n+42)*a(n+2), a(0) = 1, a(1) = 2}], \text{ ogf}]$

A117110 12.7122  $[-x*(5*x+1)/(2*x+1)/(4*x-1) \text{ ogf}]$

A117110 14.6039  $1/2/(5+8*x)*(-2*x-1+(36*x^2+24*x+1)^(1/2)) \text{ revogf}$

A117110 14.9601  $-(7+16*x+40*x^2)/(1+5*x)/(-1+4*x)/(2*x+1) \text{ lgdogf}$

A117110 6.16731  $[{a(n+3)-2*a(n+2)-8*a(n+1), a(0) = 0, a(1) = 1, a(2) = 7}], \text{ ogf}]$

A117110 9.16026  $[-(-40*x^2-16*x-7)/(-40*x^3-18*x^2+3*x+1) \text{ lgdogf}]$

A117142 10.6016  $[-(-3*x^3+3*x^2+4*x+2)/(-x^4+x^3+2*x^2-x-1) \text{ lgdogf}]$

A117142 11.0146  $[(x^2-x-1)/(x+1)^2/(x-1)^3 \text{ ogf}]$

A117142 19.3446  $-(2-4*x+3*x^3-3*x^2)/(x-1)/(x+1)/(x^2-x-1) \text{ lgdogf}$

A117143 6.63766  $[(x^5-x^4-x^3+x+1)/(x+1)/(x^2+x+1)^2/(x-1)^4 \text{ ogf}]$

A117143 9.46223  $-(2+6*x-5*x^5+10*x^3+4*x^8-8*x^6+11*x^2+4*x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^5-x^4-x^3+x+1) \text{ lgdogf}$

A117152 10.8005  $-(7-8*x+4*x^5+20*x^3-2*x^2-2*x^4)/(x-1)/(x^2+x-1)/(x^3+3*x+1) \text{ lgdogf}$

A117152 6.69798  $[x^2*(x^3+3*x+1)/(x-1)/(x^2+x-1)^3 \text{ ogf}]$

A117188 10.4764  $[-(x-1)*(x+1)/(x^2+x+1)/(x^2-x+1) \text{ ogf}]$

A117188 22.1480  $[x^5-2*x] \text{ ogf\_with\_Euler\_transform}]$

A117188 9.91512  $[-(-2*x^5+4*x^3+4*x)/(-x^6+1) \text{ lgdogf}]$

A117189 12.4756 [  $-(x-1)^2/(2x^3-4x^2+4x-1)$  ogf]  
A117189 15.9051  $-2*(-1+2x+x^3-3x^2)/(x-1)/(2x^3-4x^2+4x-1)$  lgdogf  
A117189 6.79473 [  $\{a(n+3)-4a(n+2)+4a(n+1)-2a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A117189 9.51262 [  $-(-2x^3+6x^2-4x+2)/(-2x^4+6x^3-8x^2+5x-1)$  lgdogf]  
A117199 8.17376  $-(1+6x+28x^5+22x^7+22x^3+25x^6+12x^8+6x^9+11x^2+23x^4)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(3x^4+3x^3+4x^2+2x+1)$  lgdogf  
A117199 8.95762 [  $-(3x^4+3x^3+4x^2+2x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2+1)$  ogf]  
A117202 14.2581  $-2*(x-1)*(2x^2-x+2)/(x^2-3x+1)/(1+2x^2-2x)$  lgdogf  
A117202 3.82621 [  $\{(n^2+5n+6)*a(n+1)+(-3n^2-12n-9)*a(n+2)+(n^2+3n+2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A117202 8.32200 [  $-(4x^3-6x^2+6x-4)/(2x^4-8x^3+9x^2-5x+1)$  lgdogf]  
A117202 8.99676 [  $x*(2x^2-2x+1)/(x^2-3x+1)^2$  ogf]  
A117216 12.9919  $-8*(x+1)*(5x^2+38x+5)/(x-1)/(x^4+36x^3+118x^2+36x+1)$  lgdogf  
A117216 7.70042 [  $-(-40x^3-344x^2-344x-40)/(-x^5-35x^4-82x^3+82x^2+35x+1)$  lgdogf]  
A117216 8.47911 [  $(x^4+36x^3+118x^2+36x+1)/(x-1)^4$  ogf]  
A117218 7.17253 [  $-x*(55x^{14}-65x^{13}+17x^8-51x^7+44x^6-5x^5+11x^4+x+1)/(x-1)^3$  ogf]  
A117225 4.45263 [  $-(257597x^4-939254x^3+1294076x^2-797574x+185371)/(x-1)^5$  ogf]  
A117230 9.38577 [  $-(9x^9+9x^8+8x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A117248 10.7451 [  $-(-2x^3+6x^2+6x+2)/(-x^6+2x^4+2x^3-2x-1)$  lgdogf]  
A117248 11.7755 [  $-x^3*(x^2+x+1)*(x^2-x-1)/(x+1)^2/(x-1)^2$  ogf]  
A117248 16.1384  $-2*(-1-3x+x^3-3x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x-1)$  lgdogf  
A117275 15.5796 [  $-(x^4+x^2+x)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A117276 13.8090 [  $-(x^4-x^2-x-2)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A117302 10.3209  $-(-2+16x^7-7x^6)/(x-1)/(2x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A117302 14.9321 [  $1/(2x-1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A117302 8.87270 [  $-(16x^7-7x^6-2)/(2x^8-x^7-2x+1)$  lgdogf]  
A117304 12.7395 [  $-6*(145x^5-160x^4-2)/(x-1)^2$  ogf]  
A117304 14.3483  $(4+435x^5+640x^3-1045x^4)/(x-1)/(145x^5-160x^4-2)$  lgdogf  
A117304 8.14280 [  $-(-435x^5+1045x^4-640x^3-4)/(145x^6-305x^5+160x^4-2x+2)$  lgdogf]  
A117339 11.1381 [  $-(2x^3+1)*(3x^4+x^3+2x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A117353 11.4369  $-(-2+2x-24x^3+11x^2+12x^4)/(x-1)/(2x-1)/(2x^3-x^2-x+1)$  lgdogf  
A117353 11.4767 [  $(x-1)/(2x-1)/(2x^3-x^2-x+1)$  ogf]  
A117353 7.07150 [  $-(-12x^4-24x^3+11x^2+2x-2)/(4x^5-8x^4+3x^3+4x^2-4x+1)$  lgdogf]  
A117363 12.5807 [  $-(2x-1)/(x^3-x^2+1)$  ogf]  
A117363 16.4846  $-(-2+2x+4x^3-5x^2)/(2x-1)/(x^3-x^2+1)$  lgdogf  
A117363 6.55801 [  $\{-a(n+3)+a(n+1)-a(n), a(0) = 1, a(1) = -2, a(2) = 1\}$ , ogf]  
A117363 7.70566 [  $-(4x^3-5x^2+2x-2)/(2x^4-3x^3+x^2+2x-1)$  lgdogf]  
A117373 10.0628 [  $-(3x-1)/(x^2-x+1)$  ogf]  
A117373 14.3420  $-1/2*(-x-1+(1-10x-3x^2)^{1/2})/(x+3)$  revogf  
A117373 16.0293  $-(-2-2x+3x^2)/(-1+3x)/(x^2-x+1)$  lgdogf  
A117373 5.52229 [  $\{-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = -2\}$ , ogf]  
A117374 10.6854 [  $-(3x-1)/(x^3-x^2+1)$  ogf]  
A117374 13.6699  $-(-3+2x+6x^3-6x^2)/(-1+3x)/(x^3-x^2+1)$  lgdogf  
A117374 5.57003 [  $\{-a(n+3)+a(n+1)-a(n), a(0) = 1, a(1) = -3, a(2) = 1\}$ , ogf]  
A117378 10.1549 [  $-(4x^2-2x-3)/(4x^3-5x^2+5x-1)$  lgdogf]  
A117378 13.9743  $-1/2*(-x-1+(-3x^2-14x+1)^{1/2})/(4+x)$  revogf  
A117378 14.4426 [  $-(4x-1)/(x^2-x+1)$  ogf]  
A117378 16.0293  $-(-3-2x+4x^2)/(-1+4x)/(x^2-x+1)$  lgdogf  
A117378 7.92579 [  $\{-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = -3\}$ , ogf]  
A117379 11.0538 [  $-(4x-1)/(x^3-x^2+1)$  ogf]  
A117379 14.0998  $-(-4+2x+8x^3-7x^2)/(-1+4x)/(x^3-x^2+1)$  lgdogf

A117379 5.76211 [ $\{-a(n+3)+a(n+1)-a(n), a(0) = 1, a(1) = -4, a(2) = 1\}$ , ogf]  
A117397 3.13799 [ $\{(n^2+8*n+12)*a(n+1)+(-2*n^2-20*n-42)*a(n+2)+(n^2+13*n+34)*a(n+3)+(-n-4)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 19, a(3) = 109\}$ , ogf]  
A117410 19.8236 [ $\{-(-2*x+1)/(x^2-1)\}$  ogf\_with\_Euler\_transform]  
A117412 22.9971 [ $200/(x-1)^2$  ogf]  
A117412 28.7463 [ $2/(-x+1)$  lgdogf]  
A117412 30.3789 [ $2*x/(10+(100+2*x)^(1/2))^2$  revogf]  
A117412 9.35927 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 200, a(1) = 400\}$ , ogf]  
A117412 98.7315 [ $-2/(x-1)$  lgdogf]  
A117413 13.1004 [ $-(x-1)*(x+1)/(x^4+4*x^3-2*x^2+1)$  ogf]  
A117413 14.1549 [ $-2*x*(1+x^4-2*x^2-6*x+2*x^3)/(x-1)/(x+1)/(x^4+4*x^3-2*x^2+1)$  lgdogf]  
A117413 7.61071 [ $-(2*x^5+4*x^4-4*x^3-12*x^2+2*x)/(x^6+4*x^5-3*x^4-4*x^3+3*x^2-1)$  lgdogf]  
A117439 11.0567 [ $-(x-1)*(x+1)/(x^4-2*x^2-4*x+1)$  ogf]  
A117439 11.4387 [ $-2*(2+x*x^5-2*x^3+2*x^2)/(x-1)/(x+1)/(x^4-2*x^2-4*x+1)$  lgdogf]  
A117439 6.56493 [ $-(2*x^5-4*x^3+4*x^2+2*x+4)/(x^6-3*x^4-4*x^3+3*x^2+4*x-1)$  lgdogf]  
A117441 10.1656 [ $-(x^2-x-1)/(x^4-x^2+1)$  ogf]  
A117441 15.5610 [ $-(1+2*x^5-4*x^3+x^2-3*x^4)/(x^2-x-1)/(x^4-x^2+1)$  lgdogf]  
A117441 5.51850 [ $\{-a(n+4)+a(n+2)-a(n), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 1\}$ , ogf]  
A117444 12.8502 [ $-(-2+2*x^5+10*x^3+5*x^2+10*x^4)/(x^2+3*x+1)/(x^4+x^3+x^2+x+1)$  lgdogf]  
A117444 8.24618 [ $x*(x^2+3*x+1)/(x^4+x^3+x^2+x+1)$  ogf]  
A117447 10.0338 [ $-(1+6*x+6*x^5+10*x^3+x^6+9*x^2+9*x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^3+3*x^2+2*x+1)$  lgdogf]  
A117447 10.5499 [ $-(x^3+3*x^2+2*x+1)/(x-1)/(x^2+x+1)/(x+1)$  ogf]  
A117448 10.0714 [ $-(2*x^4+2*x^3+x^2+x+1)/(x-1)/(x^2+x+1)/(x^2-x+1)/(x+1)^2$  ogf]  
A117448 8.88099 [ $-x*(2+7*x^4+5*x^6+7*x^2+6*x^8+6*x^7+5*x^5+5*x-x^3)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(2*x^4+2*x^3+x^2+x+1)$  lgdogf]  
A117450 6.91049 [ $-(1+2*x-2*x^5+2*x^7+2*x^3+2*x^9+2*x^8+7*x^6+2*x^2+12*x^4)/(x-1)/(x^2+1)/(x^3-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf]  
A117450 8.23372 [ $-(x^2+1)*(x^3-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A117451 10.6611 [ $-x*(2-3*x^4+x^6+x^2+x^8+x^7+5*x^5+x+11*x^3)/(x-1)/(x^2+1)/(x^3-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf]  
A117451 13.3227 [ $(x^2+1)*(x^3-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A117452 13.0598 [ $-(x^2+1)*(x^3-x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A117452 7.66226 [ $-(-1+2*x-4*x^5+3*x^6+10*x^4)/(x-1)/(x^2+1)/(x^3-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf]  
A117465 5.20723 [ $\{(n+5)*a(n)+(-n+3)*a(n+2), a(0) = 9, a(1) = 0, a(2) = 15, a(3) = 0, a(4) = 105, a(5) = 24\}$ , ogf]  
A117465 5.39189 [ $3*(10*x^12-50*x^10+105*x^8-160*x^6-8*x^5-40*x^4+10*x^2-3)/(x-1)^5/(x+1)^5$  ogf]  
A117465 5.74795 [ $10*x*(1+120*x^4-20*x^6+8*x^2-12*x^10+29*x^8+4*x^5+2*x^12+4*x^3)/(x-1)/(x+1)/(10*x^12-50*x^10+105*x^8-160*x^6-8*x^5-40*x^4+10*x^2-3)$  lgdogf]  
A117472 6.23658 [ $-(53+274*x+26*x^5-100*x^3+13*x^6+279*x^2-81*x^4)/(x^2-2*x-1)/(x^2+2*x-1)/(13*x^3+13*x^2-53*x-25)$  lgdogf]  
A117472 8.86358 [ $-(13*x^3+13*x^2-53*x-25)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A117473 6.23446 [ $(5*x^4+7*x^3-18*x^2-21*x-7)/(x-1)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A117474 5.32350 [ $-(-8-80*x-28*x^5+2*x^7+66*x^3+3*x^8-13*x^6+85*x^2+29*x^4)/(x-1)/(x^2+2*x-1)/(x^2-2*x-1)/(3*x^4+x^3-10*x^2-3*x-5)$  lgdogf]  
A117474 6.48154 [ $(3*x^4+x^3-10*x^2-3*x-5)/(x-1)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A117475 6.78771 [ $-(65+410*x+34*x^5-148*x^3+17*x^6+339*x^2-93*x^4)/(x^2+2*x-1)/(x^2-2*x-1)/(17*x^3+17*x^2-65*x-37)$  lgdogf]  
A117475 9.63264 [ $-(17*x^3+17*x^2-65*x-37)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A117476 5.21826 [ $-(-33-200*x-124*x^5+14*x^7+318*x^3+8*x^8-43*x^6+139*x^2+105*x^4)/(x-1)/(x^2+2*x-1)/(x^2-2*x-1)/(8*x^4+7*x^3-28*x^2-21*x-12)$  lgdogf]  
A117476 6.82165 [ $(8*x^4+7*x^3-28*x^2-21*x-12)/(x-1)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]

A117485 11.2142  $[-(12x^3+14x^2+8x+2)/(x^4+x^3-x-1) \text{ lgdogf}]$   
A117485 17.7092  $-2*(2x+1)*(3x^2+2x+1)/(x-1)/(x+1)/(x^2+x+1) \text{ lgdogf}$   
A117485 32.9981  $[2x^2+2x+2 \text{ ogf\_with\_Euler\_transform}]$   
A117485 8.29852  $[1/(x^2+x+1)^2/(x+1)^2/(x-1)^6 \text{ ogf}]$   
A117486 12.8704  $-2*(2x^2+x+1)*(5x^3+3x^2+3x+1)/(x-1)/(x+1)/(1+x^2)/(x^2+x+1) \text{ lgdogf}$   
A117486 25.2576  $[2x^3+2x^2+2x+2 \text{ ogf\_with\_Euler\_transform}]$   
A117486 4.87644  $[1/(x^2+x+1)^2/(x^2+1)^2/(x+1)^4/(x-1)^8 \text{ ogf}]$   
A117486 7.76619  $[-(20x^5-22x^4-28x^3-16x^2-8x-2)/(-x^6-x^5-x^4+x^2+x+1) \text{ lgdogf}]$   
A117487 19.5241  $[2x^4+2x^3+2x^2+2x+2 \text{ ogf\_with\_Euler\_transform}]$   
A117487 7.46217  $-2*(3x^4+2x^3+3x^2+x+1)*(5x^5+7x^4+7x^3+6x^2+4x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(1+x^2) \text{ lgdogf}$   
A117516 5.62766  $[-x*(6x^8-16x^6+11x^4+10x^3-6x^2-10x-3)/(x+1)^3/(x-1)^4 \text{ ogf}]$   
A117516 6.30081  $(13+43x+63x^5-32x^7-24x^3+6x^9-6x^8+16x^6+36x^2-51x^4)/(x-1)/(x+1)/(6x^8-16x^6+11x^4+10x^3-6x^2-10x-3) \text{ lgdogf}$   
A117518 6.27304  $[-x*(3x^8-2x^7-5x^6+4x^5-2x^4+x^3+x^2-3x-1)/(x+1)^2/(x-1)^4 \text{ ogf}]$   
A117518 7.12431  $(5+10x+26x^5-20x^7+2x^3+6x^9-8x^8+20x^6+10x^2-19x^4)/(x-1)/(x+1)/(3x^8-2x^7-5x^6+4x^5-2x^4+x^3+x^2-3x-1) \text{ lgdogf}$   
A117520 4.46108  $[-x*(x^{14}+2x^{13}+3x^{12}+4x^{11}+5x^{10}+6x^9+7x^8+25x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)^2/(x-1)^3 \text{ ogf}]$   
A117524 16.1168  $[-(x^4-x^2-x)/(-x+1) \text{ ogf\_with\_Euler\_transform}]$   
A117525 14.2249  $[-(x^5-x^4-2x^3+3x)/(x-1) \text{ ogf\_with\_Euler\_transform}]$   
A117547 10.7861  $[x*(9x^3-52x^2-x+2)/(x^2-6x+1) \text{ ogf}]$   
A117547 11.1484  $(11-108x-108x^3+340x^2+9x^4)/(x^2-6x+1)/(9x^3-52x^2-x+2) \text{ lgdogf}$   
A117547 6.53104  $[-(9x^4-108x^3+340x^2-108x+11)/(-9x^5+106x^4-320x^3+44x^2+13x-2) \text{ lgdogf}]$   
A117560 17.5315  $-(11+3x+x^3-3x^2)/(x-1)/(x^3-3x^2+3x+2) \text{ lgdogf}$   
A117560 5.05730  $[ \{(-n-5)*a(n+1)+(2n+8)*a(n+2)+(-n-3)*a(n+3), a(0) = 2, a(1) = 11, a(2) = 29\}, \text{ ogf}]$   
A117560 9.49023  $[-(-x^3+3x^2-3x-11)/(-x^4+4x^3-6x^2+x+2) \text{ lgdogf}]$   
A117560 9.98323  $[ (x^3-3x^2+3x+2)/(x-1)^4 \text{ ogf}]$   
A117561 11.8370  $(15+x+x^5+11x^3-11x^2-5x^4)/(x-1)/(x^5-3x^4+x^3+4x^2-3x-3) \text{ lgdogf}$   
A117561 8.30562  $[-(x^5-3x^4+x^3+4x^2-3x-3)/(x-1)^4 \text{ ogf}]$   
A117569 11.0189  $[-(-x^2+1)/(-x^4-x^3-2x^2-x-1) \text{ lgdogf}]$   
A117569 15.2916  $[ (x^2+x+1)/(x^2+1) \text{ ogf}]$   
A117569 22.6590  $[x^3-x^2-x+1 \text{ ogf\_with\_Euler\_transform}]$   
A117569 36.4560  $-(x-1)*(x+1)/(x^2+1)/(x^2+x+1) \text{ lgdogf}$   
A117569 9.02757  $[ \{a(n+3)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 0\}, \text{ ogf}]$   
A117571 10.6917  $[-(-4x^4-2x^3-6x^2-5x-1)/(-2x^5-x^3+2x^2+1) \text{ lgdogf}]$   
A117571 15.7562  $[ (2x^2+1)/(x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A117571 18.3540  $-(2x+1)*(2x^3+3x+1)/(x-1)/(x^2+x+1)/(2x^2+1) \text{ lgdogf}$   
A117571 5.44304  $[ \{(-3n-11)*a(n+1)-3*a(n+2)-3*a(n+3)+(3n+8)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 4\}, \text{ ogf}]$   
A117572 14.5289  $-3x*(2+2x^4+3x^2+3x+2x^3)/(x-1)/(x+1)/(x^2+x+1)/(2x^2+1) \text{ lgdogf}$   
A117572 14.9801  $[ (2x^2+1)/(x+1)/(x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A117573 10.5044  $-(1+8x+8x^5+14x^3+13x^2+10x^4)/(x-1)/(x+1)/(x^2+x+1)/(2x^2+1) \text{ lgdogf}$   
A117573 9.85651  $[ -(2x^2+1)/(x+1)/(x^2+x+1)/(x-1)^3 \text{ ogf}]$   
A117575 13.7175  $[ (x^2+x+1)/(2x^2+1) \text{ ogf}]$   
A117575 20.9021  $-(-1+2x+2x^2)/(x^2+x+1)/(2x^2+1) \text{ lgdogf}$   
A117575 8.00186  $[ \{a(n+3)+2a(n+1), a(0) = 1, a(1) = 1, a(2) = -1\}, \text{ ogf}]$   
A117575 9.33550  $[-(-2x^2-2x+1)/(-2x^4-2x^3-3x^2-x-1) \text{ lgdogf}]$   
A117576 10.5928  $[ (x^2+x+1)/(x+1)/(2x^2+1) \text{ ogf}]$   
A117576 14.7769  $-x*(2+4x^2+7x+2x^3)/(x+1)/(x^2+x+1)/(2x^2+1) \text{ lgdogf}$

A117576 5.82127 [ $[-a(n+3)-a(n+2)-2*a(n+1)-2*a(n), a(0) = 1, a(1) = 0, a(2) = -1]$ , ogf]  
A117585 11.5371 [  $-(x^2-x+1)/(x^2+2*x-1)/(x-1)^2$  ogf]  
A117585 12.7833  $-(x+1)*(2*x^3-3*x^2+6*x-3)/(x-1)/(x^2-x+1)/(x^2+2*x-1)$  lgdogf  
A117585 3.55437 [ $\{(-n-4)*a(n+1)+(-n-5)*a(n+2)+(3*n+10)*a(n+3)+(-n-3)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 24\}$ , ogf]  
A117585 7.99734 [ $-(-2*x^4+x^3-3*x^2-3*x+3)/(-x^5+3*x^3-5*x^2+4*x-1)$  lgdogf]  
A117589 13.6931 [  $-x*(2*x+1)*(4*x^2+1)/(x-1)/(x^4+1)$  ogf]  
A117589 14.5931  $-(3+8*x+16*x^7-20*x^3+4*x^6+20*x^2-x^4)/(x-1)/(2*x+1)/(4*x^2+1)/(1+x^4)$  lgdogf  
A117591 12.3429 [  $-(3*x^2-1)/(2*x-1)/(x^2+x-1)$  ogf]  
A117591 14.3684  $-(3-8*x+3*x^2+6*x^4)/(2*x-1)/(3*x^2-1)/(x^2+x-1)$  lgdogf  
A117591 6.28165 [ $\{a(n+3)-3*a(n+2)+a(n+1)+2*a(n), a(0) = 1, a(1) = 3, a(2) = 5\}$ , ogf]  
A117591 7.90500 [ $-(-6*x^4-3*x^2+8*x-3)/(-6*x^5-3*x^4+11*x^3-2*x^2-3*x+1)$  lgdogf]  
A117606 10.9429  $(4+10*x+10*x^5+36*x^3+11*x^8+3*x^6+9*x^2-43*x^4)/(x-1)/(x+1)/(x^2+1)/(11*x^5-7*x^4-3*x^3-5*x^2-4*x-2)$  lgdogf  
A117606 13.5492 [  $(11*x^5-7*x^4-3*x^3-5*x^2-4*x-2)/(x^2+1)/(x-1)/(x+1)$  ogf]  
A117609 11.8494 [ $-(x^3+4*x^2-2*x+7)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A117614 10.0233 [  $-(x^2-2*x-1)/(x-1)/(4*x-1)/(x+1)$  ogf]  
A117614 10.5066  $-2*(3-8*x^3-3*x^2+2*x^4)/(x-1)/(-1+4*x)/(x+1)/(x^2-2*x-1)$  lgdogf  
A117614 5.41081 [ $\{a(n+3)-4*a(n+2)-a(n+1)+4*a(n), a(0) = 1, a(1) = 6, a(2) = 24\}$ , ogf]  
A117614 6.50448 [ $-(-4*x^4+16*x^3+6*x^2-6)/(-4*x^5+9*x^4+6*x^3-10*x^2-2*x+1)$  lgdogf]  
A117615 11.7461 [  $x*(x^2+1)/(x-1)/(4*x-1)/(x+1)$  ogf]  
A117615 13.7473  $-4*(-1-x+4*x^2+x^4)/(x-1)/(-1+4*x)/(x+1)/(1+x^2)$  lgdogf  
A117615 5.07217 [ $\{-a(n+4)+4*a(n+3)+a(n+2)-4*a(n+1), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 18\}$ , ogf]  
A117615 9.17160 [ $-(4*x^4+16*x^2-4*x-4)/(4*x^5-x^4-4*x+1)$  lgdogf]  
A117616 13.9128 [  $2*x/(x-1)/(4*x-1)/(x+1)$  ogf]  
A117616 15.8088  $-2*(2*x+1)*(3*x-2)/(x-1)/(-1+4*x)/(x+1)$  lgdogf  
A117616 5.64032 [ $\{-a(n+3)+4*a(n+2)+a(n+1)-4*a(n), a(0) = 0, a(1) = 2, a(2) = 8\}$ , ogf]  
A117616 9.63194 [ $-(12*x^2-2*x-4)/(4*x^3-x^2-4*x+1)$  lgdogf]  
A117617 12.6517 [  $(2*x+1)/(5*x-1)/(x-1)$  ogf]  
A117617 12.6624  $-1/2*(-1-6*x+(1+20*x+16*x^2)^(1/2))/(-2+5*x)$  revogf  
A117617 14.2858  $-2*(-4+5*x+5*x^2)/(x-1)/(2*x+1)/(5*x-1)$  lgdogf  
A117617 6.94299 [ $\{-a(n+2)+6*a(n+1)-5*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A117617 8.49739 [ $-(10*x^2+10*x-8)/(10*x^3-7*x^2-4*x+1)$  lgdogf]  
A117619 12.2032 [ $-(-8*x^2+10*x-8)/(-8*x^3+21*x^2-20*x+7)$  lgdogf]  
A117619 13.1873 [  $-(-8*x^2-13*x+7)/(x-1)^3$  ogf]  
A117619 21.6747  $-2*(4-5*x+4*x^2)/(x-1)/(8*x^2-13*x+7)$  lgdogf  
A117619 7.23550 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 7, a(1) = 8, a(2) = 11\}$ , ogf]  
A117624 3.47475 [  $-(138756661*x^6-770153280*x^5+1791141703*x^4-2232512922*x^3+1571907177*x^2-592496806*x+93363947)/(x-1)^7$  ogf]  
A117625 11.0557 [ $-(-9*x^2-16*x-2)/(-9*x^3+10*x^2-2*x+1)$  lgdogf]  
A117625 11.9619 [  $-(-9*x^2-x+1)/(x-1)^3$  ogf]  
A117625 21.6554  $-(2+16*x+9*x^2)/(x-1)/(9*x^2-x+1)$  lgdogf  
A117625 6.45728 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 12\}$ , ogf]  
A117641 12.1327 [ $-(-3*x^2+x)/(-x^2+3*x-1)$  revogf]  
A117641 27.0106  $-x*(-1+3*x)/(1-3*x+x^2)$  revogf  
A117641 5.91661  $-1/2*(-7*x+3+3*(5*x-1)^(1/2)*(x-1)^(1/2)+2*(x-1)^(1/2)*x*(5*x-1)^(1/2))/(x+3)/(5*x-1)^(1/2)/x/(x-1)^(1/2)$  lgdogf  
A117642 10.5946 [  $3*x*(x^2+4*x+1)/(x-1)^4$  ogf]  
A117642 12.0616 [ $-(2*x^2+14*x+8)/(x^3+3*x^2-3*x-1)$  lgdogf]  
A117642 24.1566  $-2*(4+7*x+x^2)/(x-1)/(x^2+4*x+1)$  lgdogf

A117642 3.95961 [  $\{(n+3)*a(n+4)+(-2+3*n)*a(n+3)+(-17-3*n)*a(n+2)+(-2-n)*a(n+1),$   
 $a(0) = 0, a(1) = 3, a(2) = 24, a(3) = 81\}$ , ogf ]  
A117644 10.0845 [  $-(-36*x^2-72*x+45)/(32*x^4-108*x^3+53*x^2+27*x-4)$  lgdogf ]  
A117644 15.2219 [  $-(4*x^2-9*x-4)/(8*x-1)/(x-1)$  ogf ]  
A117644 5.46446  $9*(2*x+5)*(2*x-1)/(x-1)/(-1+8*x)/(4*x^2-9*x-4)$  lgdogf  
A117644 7.68344 [  $\{-a(n+3)+9*a(n+2)-8*a(n+1), a(0) = 4, a(1) = 45, a(2) = 369\}$ ,  
ogf ]  
A117647 14.6252  $-2*(1+4*x+2*x^3+x^4)/(x+1)/(x^4+4*x^2-1)$  lgdogf  
A117647 9.75754 [  $-x*(x+1)^2/(x^4+4*x^2-1)$  ogf ]  
A117651 4.32370 [  $(4*x^11-4*x^10-14*x^9+14*x^8+16*x^7-16*x^6-4*x^5+3*x^4-3*x^3+2*x^2+x-1)/(x+1)^4/$   
 $(x-1)^5$  ogf ]  
A117662 15.4331 [  $-(-4*x+14)/(-x^2+4*x-3)$  lgdogf ]  
A117662 32.7188  $-2*(-7+2*x)/(x-1)/(x-3)$  lgdogf  
A117662 4.97513 [  $\{-3*n*a(n+3)+(10+4*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 0,$   
 $a(2) = 0, a(3) = 3\}$ , ogf ]  
A117662 9.57240 [  $x^3*(x-3)/(x-1)^5$  ogf ]  
A117663 5.72392 [  $-(46*x^8+24*x^7+63*x^6+39*x^5+178*x^4+21*x^3+27*x^2+6*x+1)/(x$   
 $+1)^2/(x^2+1)^2/(x-1)^3$  ogf ]  
A117665 11.6660 [  $-(-21*x^2-6*x-3)/(-7*x^3+9*x^2-3*x+1)$  lgdogf ]  
A117665 20.7628  $-3*(1+2*x+7*x^2)/(x-1)/(7*x^2-2*x+1)$  lgdogf  
A117665 3.84920 [  $\{(n+3)*a(n+4)+(-3*n-9)*a(n+3)+(3+9*n)*a(n+2)+(-21-7*n)*a(n+1),$   
 $a(0) = 0, a(1) = 2, a(2) = 6, a(3) = 24\}$ , ogf ]  
A117665 9.02730 [  $-2*x*(7*x^2-2*x+1)/(x-1)^5$  ogf ]  
A117666 10.3026 [  $-(x^2-3*x+1)*(x^2+x-1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf ]  
A117666 10.7274  $-2*(1+13*x^5-3*x^7+11*x^9+x^8-5*x^6-7*x^2-14*x^4)/(x-1)/(x^2+x$   
 $+1)/(x^2-3*x+1)/(x^2-x+1)/(x^2+x-1)$  lgdogf  
A117671 3.87182 [  $\{(-27*n^2-108*n-105)*a(n+1)+(4*n^2+18*n+18)*a(n+2), a(0) = 1,$   
 $a(1) = 6\}$ , ogf ]  
A117671 8.27489  $1/2*(-27*x^2-27*x-4+((x+1)*(9*x+1)*(4+9*x)^2)^(1/2))*(x+1)$   
revogf  
A117672 5.71675 [  $(x^13+3*x^12+x^11+2*x^10+x^9+2*x^8+x^7+2*x^6+x^5+2*x^4+x^3+2*x^2+x+2)/$   
 $(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A117676 4.44175 [  $-x*(x$   
 $+1)*(x^12+2*x^11+3*x^10+24*x^9-11*x^8+26*x^7-9*x^6+26*x^5-11*x^4+24*x^3+3*x^2+2*$   
 $x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf ]  
A117691 10.3646 [  $-(x^7+x^6+x^5-2*x^3-3*x^2-3*x-4)/(x^2+1)^2/(x-1)^2/(x+1)^2$   
ogf ]  
A117691 8.15426  $-(-3-6*x-12*x^5-32*x^3+x^10+2*x^9+3*x^8-3*x^6-6*x^2-16*x^4)/$   
 $(x-1)/(x+1)/(x^2+1)/(x^7+x^6+x^5-2*x^3-3*x^2-3*x-4)$  lgdogf  
A117713 6.18613  $-(-3-10*x$   
 $+54*x^5+28*x^7-6*x^3+166*x^8-3*x^6-25*x^2-15*x^4+120*x^11)/(x-1)/(x+1)/$   
 $(10*x^3-1)/(6*x^5+2*x^4+x^3+5*x^2+2*x+1)/(x^2-x+1)$  lgdogf  
A117713 7.94352 [  $(6*x^5+2*x^4+x^3+5*x^2+2*x+1)/(x-1)/(x+1)/(10*x^3-1)/(x^2-x+1)$   
ogf ]  
A117717 20.0580  $-(13+12*x+2*x^3+3*x^2)/(x-1)/(x^3+3*x+2)$  lgdogf  
A117717 4.51839 [  $\{(n^2+14*n+24)*a(n+1)+(-8*n^2-61*n-66)*a(n+2)+(7*n^2+23*n$   
 $+18)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 13\}$ , ogf ]  
A117717 9.79892 [  $-x*(x^3+3*x+2)/(x-1)^5$  ogf ]  
A117717 9.91841 [  $-(2*x^3+3*x^2+12*x+13)/(x^4-x^3+3*x^2-x-2)$  lgdogf ]  
A117719 10.3609 [  $-(x^3+x^2-2*x-1)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf ]  
A117719 9.29565  $-(2+10*x+2*x^5-4*x^3+x^6+9*x^2)/(x^2+2*x-1)/(x^2-2*x-1)/$   
 $(x^3+x^2-2*x-1)$  lgdogf  
A117727 10.4735  $-(-3-10*x+100*x^5-25*x^2+10*x^4)/(x-1)/(5*x^2+2*x+1)/(10*x^3-1)$   
lgdogf  
A117727 10.6895 [  $(5*x^2+2*x+1)/(x-1)/(10*x^3-1)$  ogf ]  
A117748 10.1423 [  $-3*x*(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf ]  
A117748 11.4101 [  $-(3*x^3+5*x^2+8*x+2)/(x^4+x^3-x-1)$  lgdogf ]  
A117748 19.2807  $-(2+8*x+3*x^3+5*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A117748 32.6913 [  $-x^2+2*x+2$  ogf\_with\_Euler\_transform ]



A117760 15.8848 [  $-1/(x^7+x^5+x^3+x-1)$  ogf]  
A117760 18.6243  $-(1+3x^2+5x^4+7x^6)/(-1+x+x^3+x^5+x^7)$  lgdogf  
A117760 9.26612  $[-(7x^6+5x^4+3x^2+1)/(x^7+x^5+x^3+x-1)$  lgdogf]  
A117761 10.6118 [  $-x(x^2+x+1)(x^2-x+1)/(x^7+x^5+x^3+x-1)$  ogf]  
A117761 9.09045  $-(1+2x+4x^3+3x^{10}+6x^8+9x^6+2x^2+3x^4)/(x^2+x+1)/(x^2-x+1)/(-1+x+x^3+x^5+x^7)$  lgdogf  
A117791 16.9999 [  $-1/(x^6-x^4+x^2+x-1)$  ogf]  
A117791 9.56244  $[-(-6x^5+4x^3-2x-1)/(-x^6+x^4-x^2-x+1)$  lgdogf]  
A117792 12.0756 [  $-x(x^4+1)/(x^6-x^4+x^2+x-1)$  ogf]  
A117792 14.8788  $-(1+2x+4x^5+2x^9-3x^4)/(x^6-x^4+x^2+x-1)/(1+x^4)$  lgdogf  
A117793 12.7634  $-(7+21x+18x^3+38x^2+6x^4)/(x-1)/(x+1)/(3x^3+5x^2+6x+1)$  lgdogf  
A117793 7.97830  $[-(-6x^4-18x^3-38x^2-21x-7)/(-3x^5-5x^4-3x^3+4x^2+6x+1)$  lgdogf]  
A117793 8.58535 [  $-5x(3x^3+5x^2+6x+1)/(x+1)^2/(x-1)^3$  ogf]  
A117794 11.6430  $-(11+29x+27x^3+65x^2+12x^4)/(x-1)/(x+1)/(6x^3+7x^2+10x+1)$  lgdogf  
A117794 7.41392  $[-(-12x^4-27x^3-65x^2-29x-11)/(-6x^5-7x^4-4x^3+6x^2+10x+1)$  lgdogf]  
A117794 8.21978 [  $-6x(6x^3+7x^2+10x+1)/(x+1)^2/(x-1)^3$  ogf]  
A117795 11.4979  $-(16+38x+37x^3+99x^2+20x^4)/(x-1)/(x+1)/(10x^3+9x^2+15x+1)$  lgdogf  
A117795 7.36269  $[-(-20x^4-37x^3-99x^2-38x-16)/(-10x^5-9x^4-5x^3+8x^2+15x+1)$  lgdogf]  
A117795 8.15438 [  $-7x(10x^3+9x^2+15x+1)/(x+1)^2/(x-1)^3$  ogf]  
A117796 10.8328  $-(29+59x+60x^3+188x^2+42x^4)/(x-1)/(x+1)/(21x^3+13x^2+28x+1)$  lgdogf  
A117796 7.75398 [  $-9x(21x^3+13x^2+28x+1)/(x+1)^2/(x-1)^3$  ogf]  
A117797 10.7506  $-(37+71x+73x^3+243x^2+56x^4)/(x-1)/(x+1)/(28x^3+15x^2+36x+1)$  lgdogf  
A117797 7.61498 [  $-10x(28x^3+15x^2+36x+1)/(x+1)^2/(x-1)^3$  ogf]  
A117798 11.0375  $-(41+79x+83x^3+273x^2+64x^4)/(x-1)/(x+1)/(32x^3+17x^2+40x+1)$  lgdogf  
A117798 7.81436 [  $-20x(32x^3+17x^2+40x+1)/(x+1)^2/(x-1)^3$  ogf]  
A117802 5.31587 [  $-2(x-2)(3x^2+2)/(x-1)^2$  ogf]  
A117802 7.53335  $(6+10x+3x^3-9x^2)/(x-1)/(x-2)/(3x^2+2)$  lgdogf  
A117804 11.5955 [  $-(-8x^{10}+10x^9+2)/(x^{11}-x^{10}+x-1)$  lgdogf]  
A117804 15.4374  $2*(-1+4x^{10}-5x^9)/(x-1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)$  lgdogf  
A117804 16.6976 [  $(x^2+1)(x^8-x^6+x^4-x^2+1)/(x-1)^2$  ogf]  
A117804 27.7259 [  $-x^{19}+x^9+2$  ogf\_with\_Euler\_transform]  
A117821 5.77715 [  $-(14x^9-28x^8+14x^7+8x^6-16x^5+12x^4-7x^3+3x^2-2x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A117822 6.00516 [  $-(12x^9-24x^8+12x^7+6x^6-12x^5+8x^4-4x^3+2x^2-2x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A117823 6.37965  $(3-x-226x^5-96x^7+48x^3+36x^9-60x^8+288x^6-28x^2+38x^4)/(x-1)/(x^2+x-1)/(12x^7-24x^6+12x^5+6x^4-8x^3+1)$  lgdogf  
A117823 7.51030 [  $-x(12x^7-24x^6+12x^5+6x^4-8x^3+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A117824 7.27434 [  $-x(8x^6-16x^5+12x^4-6x^3+x^2-x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A117824 7.30750  $2*(1+77x^5-12x^7+34x^3+8x^8-28x^6-11x^2-68x^4)/(x-1)/(x^2+x-1)/(8x^6-16x^5+12x^4-6x^3+x^2-x+1)$  lgdogf  
A117855 12.6946 [  $-(-3x^2-6x-1)/(-3x^3-3x^2+x+1)$  lgdogf]  
A117855 12.6946 [  $\{-a(n+2)+3a(n), a(0) = 2, a(1) = 2\}$ , ogf]  
A117855 19.8160 [  $-2*(x+1)/(3x^2-1)$  ogf]  
A117855 24.9379  $(-1+(1+2x+3x^2)^{1/2})/(2+3x)$  revogf  
A117855 26.6004  $-(1+6x+3x^2)/(x+1)/(3x^2-1)$  lgdogf  
A117856 12.1832 [  $-(-4x^2-8x-1)/(-4x^3-4x^2+x+1)$  lgdogf]  
A117856 12.1832 [  $\{-a(n+2)+4a(n), a(0) = 3, a(1) = 3\}$ , ogf]  
A117856 19.0176 [  $-3*(x+1)/(2x-1)/(2x+1)$  ogf]  
A117856 20.1509  $1/2/(4x+3)*(-3+(9+16x^2+12x)^{1/2})$  revogf  
A117856 21.2704  $-(1+8x+4x^2)/(2x+1)/(2x-1)/(x+1)$  lgdogf  
A117857 11.9397 [  $-(-5x^2-10x-1)/(-5x^3-5x^2+x+1)$  lgdogf]

A117857 12.1263 [ $\{-a(n+2)+5*a(n), a(0) = 4, a(1) = 4\}$ , ogf]  
A117857 18.9288 [ $-4*(x+1)/(5*x^2-1)$  ogf]  
A117857 23.8233  $(-2+(4+4*x+5*x^2)^{(1/2)})/(4+5*x)$  revogf  
A117857 24.5918  $-(1+10*x+5*x^2)/(x+1)/(5*x^2-1)$  lgdogf  
A117858 12.1920 [ $\{-(-6*x^2-12*x-1)/(-6*x^3-6*x^2+x+1)$  lgdogf]  
A117858 12.3825 [ $\{-a(n+2)+6*a(n), a(0) = 5, a(1) = 5\}$ , ogf]  
A117858 19.3288 [ $-5*(x+1)/(6*x^2-1)$  ogf]  
A117858 19.9711  $1/2/(5+6*x)*(-5+(25+20*x+24*x^2)^{(1/2)})$  revogf  
A117858 25.1250  $-(1+12*x+6*x^2)/(x+1)/(6*x^2-1)$  lgdogf  
A117859 11.3295 [ $\{-(-7*x^2-14*x-1)/(-7*x^3-7*x^2+x+1)$  lgdogf]  
A117859 11.5065 [ $\{-a(n+2)+7*a(n), a(0) = 6, a(1) = 6\}$ , ogf]  
A117859 17.9614 [ $-6*(x+1)/(7*x^2-1)$  ogf]  
A117859 23.3254  $-(1+14*x+7*x^2)/(x+1)/(7*x^2-1)$  lgdogf  
A117860 11.8421 [ $\{-(-8*x^2-16*x-1)/(-8*x^3-8*x^2+x+1)$  lgdogf]  
A117860 12.0272 [ $\{-a(n+2)+8*a(n), a(0) = 7, a(1) = 7\}$ , ogf]  
A117860 18.7741 [ $-7*(x+1)/(8*x^2-1)$  ogf]  
A117860 19.3951  $1/2/(7+8*x)*(-7+(49+28*x+32*x^2)^{(1/2)})$  revogf  
A117860 24.4003  $-(1+16*x+8*x^2)/(x+1)/(8*x^2-1)$  lgdogf  
A117861 11.4594 [ $\{-(-9*x^2-18*x-1)/(-9*x^3-9*x^2+x+1)$  lgdogf]  
A117861 11.6384 [ $\{-a(n+2)+9*a(n), a(0) = 8, a(1) = 8\}$ , ogf]  
A117861 18.1673 [ $-8*(x+1)/(3*x-1)/(3*x+1)$  ogf]  
A117861 19.2546  $-(1+18*x+9*x^2)/(-1+3*x)/(1+3*x)/(x+1)$  lgdogf  
A117862 11.9626 [ $\{-(6*x^3+6*x^2-6*x-2)/(3*x^4-4*x^2+1)$  lgdogf]  
A117862 15.3483 [ $2*(x+1)/(x-1)/(3*x^2-1)$  ogf]  
A117862 17.7583  $-2*(-1-3*x+3*x^3+3*x^2)/(x-1)/(x+1)/(3*x^2-1)$  lgdogf  
A117862 7.19875 [ $\{a(n+3)-a(n+2)-3*a(n+1)+3*a(n), a(0) = 2, a(1) = 4, a(2) = 10\}$ , ogf]  
A117863 11.2127 [ $\{-(8*x^3+8*x^2-8*x-2)/(4*x^4-5*x^2+1)$  lgdogf]  
A117863 14.3861 [ $3*(x+1)/(x-1)/(2*x+1)/(2*x-1)$  ogf]  
A117863 14.6784  $-2*(-1-4*x+4*x^3+4*x^2)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  lgdogf  
A117863 6.74746 [ $\{a(n+3)-a(n+2)-4*a(n+1)+4*a(n), a(0) = 3, a(1) = 6, a(2) = 18\}$ , ogf]  
A117864 10.5389 [ $\{-(10*x^3+10*x^2-10*x-2)/(5*x^4-6*x^2+1)$  lgdogf]  
A117864 14.1182 [ $4*(x+1)/(x-1)/(5*x^2-1)$  ogf]  
A117864 16.3258  $-2*(-1-5*x+5*x^3+5*x^2)/(x-1)/(x+1)/(5*x^2-1)$  lgdogf  
A117864 6.62181 [ $\{a(n+3)-a(n+2)-5*a(n+1)+5*a(n), a(0) = 4, a(1) = 8, a(2) = 28\}$ , ogf]  
A117865 10.7185 [ $\{-(12*x^3+12*x^2-12*x-2)/(6*x^4-7*x^2+1)$  lgdogf]  
A117865 14.3587 [ $5*(x+1)/(x-1)/(6*x^2-1)$  ogf]  
A117865 16.6120  $-2*(-1-6*x+6*x^3+6*x^2)/(x-1)/(x+1)/(6*x^2-1)$  lgdogf  
A117865 6.67553 [ $\{a(n+3)-a(n+2)-6*a(n+1)+6*a(n), a(0) = 5, a(1) = 10, a(2) = 40\}$ , ogf]  
A117866 10.6536 [ $\{-(14*x^3+14*x^2-14*x-2)/(7*x^4-8*x^2+1)$  lgdogf]  
A117866 14.2719 [ $6*(x+1)/(x-1)/(7*x^2-1)$  ogf]  
A117866 16.5129  $-2*(-1-7*x+7*x^3+7*x^2)/(x-1)/(x+1)/(7*x^2-1)$  lgdogf  
A117866 6.63517 [ $\{a(n+3)-a(n+2)-7*a(n+1)+7*a(n), a(0) = 6, a(1) = 12, a(2) = 54\}$ , ogf]  
A117867 10.4446 [ $\{-(16*x^3+16*x^2-16*x-2)/(8*x^4-9*x^2+1)$  lgdogf]  
A117867 13.9918 [ $7*(x+1)/(x-1)/(8*x^2-1)$  ogf]  
A117867 16.1862  $-2*(-1-8*x+8*x^3+8*x^2)/(x-1)/(x+1)/(8*x^2-1)$  lgdogf  
A117867 6.50495 [ $\{a(n+3)-a(n+2)-8*a(n+1)+8*a(n), a(0) = 7, a(1) = 14, a(2) = 70\}$ , ogf]  
A117868 10.6199 [ $\{-(18*x^3+18*x^2-18*x-2)/(9*x^4-10*x^2+1)$  lgdogf]  
A117868 14.4271 [ $8*(x+1)/(x-1)/(3*x-1)/(3*x+1)$  ogf]  
A117868 14.4510  $-2*(-1-9*x+9*x^3+9*x^2)/(x-1)/(-1+3*x)/(1+3*x)/(x+1)$  lgdogf  
A117868 6.70732 [ $\{a(n+3)-a(n+2)-9*a(n+1)+9*a(n), a(0) = 8, a(1) = 16, a(2) = 88\}$ , ogf]  
A117886 9.78894 [ $\{-(-2*x^5+x^4-1)/(x^6-x^5+x-1)$  ogf\_with\_Euler\_transform]  
A117899 10.4695  $-(2+10*x+9*x^5+18*x^3+4*x^6+15*x^2+20*x^4)/(x-1)/(x^2+x+1)/(2*x^4+3*x^3+5*x^2+2*x+1)$  lgdogf  
A117899 12.2799 [ $(2*x^4+3*x^3+5*x^2+2*x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]

A117900 8.74509  $-(1+8*x+32*x^5+6*x^7+33*x^3+20*x^6+22*x^2+34*x^4)/(x-1)/(x+1)/(x^2+x+1)/(2*x^4+4*x^3+4*x^2+2*x+1)$  lgdogf  
A117900 9.30456  $[(2*x^4+4*x^3+4*x^2+2*x+1)/(x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A117902 10.1135  $[(-4*x^4+4*x^3+4*x^2-2*x)/(-8*x^6-4*x^5+6*x^3+x^2-1)$  lgdogf]  
A117902 15.2657  $[(2*x^3+x^2-1)/(4*x^3-1)$  ogf]  
A117902 19.1140  $-2*x*(x-1)*(2*x^2+2*x-1)/(2*x^3+x^2-1)/(4*x^3-1)$  lgdogf  
A117902 8.51664  $[{a(n+4)-4*a(n+1), a(0) = 1, a(1) = 0, a(2) = -1, a(3) = 2},$  ogf]  
A117905 10.2064  $-(1+4*x+10*x^5+17*x^3+8*x^2+20*x^4)/(x-1)/(x+1)/(x^2+x+1)/(2*x^2+2*x+1)$  lgdogf  
A117905 9.63255  $[(2*x^2+2*x+1)/(x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A117907 5.52417  $(-1+10*x^5+4*x^7+2*x^3+x^10+2*x^9+3*x^8+5*x^6+x^2+3*x^4)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+1)$  lgdogf  
A117909 10.4439  $[(-3*x^5-10*x^3-9*x^2-2)/(x-1)/(x^2+x+1)/(x^3+2*x+1)$  lgdogf]  
A117909 14.1085  $[(x^3+2*x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A117909 17.7501  $-(2+9*x^2+10*x^3+3*x^5)/(x-1)/(x^2+x+1)/(x^3+2*x+1)$  lgdogf  
A117910 12.0998  $[(x^4+x^2+x+1)/(x^2-x+1)/(x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A117910 8.92481  $-(1+2*x+9*x^5+7*x^7+7*x^3+5*x^9+11*x^6+3*x^2+3*x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^2+x+1)$  lgdogf  
A117917 13.4234  $-2*(-2+3*x+x^2+x^4)/(x-1)/(x^2-x+1)/(x^2+3*x-1)$  lgdogf  
A117917 3.23506  $[{(-n-4)*a(n+1)+(-2*n-9)*a(n+2)+(4*n+13)*a(n+3)+(-n-3)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 15, a(3) = 52},$  ogf]  
A117917 7.31564  $[(-2*x^4-2*x^2-6*x+4)/(-x^5-x^4+5*x^3-7*x^2+5*x-1)$  lgdogf]  
A117917 9.33009  $[-(x^2-x+1)/(x^2+3*x-1)/(x-1)^2$  ogf]  
A117930 28.1775  $[x^{11}+x^2+2$  ogf\_with\_Euler\_transform]  
A117930 6.77129  $-(2+2*x+5*x^2+2*x^3+2*x^4+5*x^5+2*x^6+2*x^7+5*x^8+2*x^9+2*x^{10}+17*x^{11})/(x-1)/(1+x^2+x)/(x+1)/(1-x+x^2)/(x^2+1)/(x^4-x^2+1)$  lgdogf  
A117930 7.64901  $[1/(x+1)/(x^2+1)/(x^2-x+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A117950 13.0856  $[(-4*x^2+2*x-4)/(-4*x^3+9*x^2-8*x+3)$  lgdogf]  
A117950 13.7292  $[-(4*x^2-5*x+3)/(x-1)^3$  ogf]  
A117950 24.1692  $-2*(2-x+2*x^2)/(x-1)/(4*x^2-5*x+3)$  lgdogf  
A117950 7.47750  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 4, a(2) = 7},$  ogf]  
A117951 12.6891  $[(-6*x^2+6*x-6)/(-6*x^3+15*x^2-14*x+5)$  lgdogf]  
A117951 13.7292  $[-(6*x^2-9*x+5)/(x-1)^3$  ogf]  
A117951 25.6798  $-6*(1-x+x^2)/(x-1)/(6*x^2-9*x+5)$  lgdogf  
A117951 7.47750  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 6, a(2) = 9},$  ogf]  
A117957 26.8409  $[-x^4/(x^4-1)$  ogf\_with\_Euler\_transform]  
A118000 6.39455  $[-x*(2*x^{10}-2*x^9-2*x^8+2*x^7-x^6+2*x^5-x^4-x^3+x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A118001 6.60650  $(-2-6*x+3*x^5+11*x^7+4*x^3-14*x^{10}-28*x^9+28*x^8-9*x^6+14*x^{11}-9*x^4)/(x-1)/(x+1)/(2*x^{10}-2*x^9-2*x^8+2*x^7-x^6+2*x^5-x^4-x^3+x^2+x+1)$  lgdogf  
A118001 7.16172  $[(2*x^{10}-2*x^9-2*x^8+2*x^7-x^6+2*x^5-x^4-x^3+x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A118002 7.30725  $[-x*(x^8-x^7+x^6+x^4+2*x^3+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3$  ogf]  
A118003 9.65700  $[(x^8-x^7+x^6+x^4+2*x^3+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A118004 10.9284  $[(-72*x-13)/(36*x^2-13*x+1)$  lgdogf]  
A118004 10.9695  $-1/72*(-13*x-5+(5+x)^{(1/2)}*(1+5*x)^{(1/2)}*5^{(1/2)})/x$  revogf  
A118004 14.5712  $[5*x/(9*x-1)/(4*x-1)$  ogf]  
A118004 19.9801  $-(-13+72*x)/(9*x-1)/(-1+4*x)$  lgdogf  
A118004 6.84671  $[{a(n+2)-13*a(n+1)+36*a(n), a(0) = 0, a(1) = 5},$  ogf]  
A118005 11.3655  $[(-90*x-4)/(-45*x^2-4*x+1)$  lgdogf]  
A118005 15.0405  $1/90/x*(-1-4*x+(1+8*x+196*x^2)^{(1/2)})$  revogf  
A118005 16.7140  $[-1/(5*x+1)/(9*x-1)$  ogf]  
A118005 20.6111  $-2*(2+45*x)/(1+5*x)/(9*x-1)$  lgdogf  
A118005 6.84671  $[{-a(n+2)+4*a(n+1)+45*a(n), a(0) = 1, a(1) = 4},$  ogf]

A118015 10.8558 [  $-x^3(x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A118015 13.4164  $-(3+4*x+6*x^2+4*x^3+4*x^4+9*x^5)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A118015 28.7031 [[ $x^4-x+3$ ] ogf\_with\_Euler\_transform]  
A118015 9.49882 [  $-(6*x^5+9*x^4+4*x^3+4*x^2+4*x+3)/(x^6+x^5-x-1)$  lgdogf]  
A118057 11.6708 [  $-(-3*x^2+30*x+21)/(-3*x^3+21*x^2-17*x-1)$  lgdogf]  
A118057 12.8002 [  $(3*x^2-18*x-1)/(x-1)^3$  ogf]  
A118057 21.0424  $-3*(-7-10*x+x^2)/(x-1)/(3*x^2-18*x-1)$  lgdogf  
A118057 6.96152 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 21, a(2) = 57\}$ , ogf]  
A118058 10.0032 [  $-(-20*x^2+194*x+120)/(-20*x^3+137*x^2-116*x-1)$  lgdogf]  
A118058 11.5662 [  $(20*x^2-117*x-1)/(x-1)^3$  ogf]  
A118058 16.8790  $-2*(-60-97*x+10*x^2)/(x-1)/(20*x^2-117*x-1)$  lgdogf  
A118058 6.38137 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 120, a(2) = 337\}$ , ogf]  
A118059 11.0812 [  $(119*x^2-694*x-1)/(x-1)^3$  ogf]  
A118059 15.3542  $-(-697-1150*x+119*x^2)/(x-1)/(119*x^2-694*x-1)$  lgdogf  
A118059 6.15625 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 697, a(2) = 1969\}$ , ogf]  
A118059 9.35430 [  $-(-119*x^2+1150*x+697)/(-119*x^3+813*x^2-693*x-1)$  lgdogf]  
A118060 11.1345 [  $(696*x^2-4057*x-1)/(x-1)^3$  ogf]  
A118060 14.4228  $-2*(-2030-3361*x+348*x^2)/(x-1)/(696*x^2-4057*x-1)$  lgdogf  
A118060 6.17541 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 4060, a(2) = 11481\}$ , ogf]  
A118060 9.18592 [  $-(-696*x^2+6722*x+4060)/(-696*x^3+4753*x^2-4056*x-1)$  lgdogf]  
A118061 11.4637  $-3*(-7887-13066*x+1353*x^2)/(x-1)/(4059*x^2-23658*x-1)$  lgdogf  
A118061 5.26726 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 23661, a(2) = 66921\}$ , ogf]  
A118061 7.34966 [  $-(-4059*x^2+39198*x+23661)/(-4059*x^3+27717*x^2-23657*x-1)$  lgdogf]  
A118061 9.29516 [  $(4059*x^2-23658*x-1)/(x-1)^3$  ogf]  
A118070 8.71447  $(4+8*x^5-7*x^{14}+12*x^{10}-17*x^9+9*x^8+3*x^{15}+4*x^{13})/(x-1)/(x+1)/(x^4-x^3+x^2-x+1)/(x^{10}-x^9-2*x^5-2)$  lgdogf  
A118070 9.71446 [  $-x*(x^{10}-x^9-2*x^5-2)/(x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A118090 5.71963 [  $-(882*x^{11}+594*x^{10}+594*x^9+155*x^8+111*x^7+760*x^6+617*x^5+375*x^4+133*x^3+98*x^2+45*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A118093 7.21388  $-45+360*x+576*x^2+(3-60*x+384*x^3+240*x^2)*f(x)+(-15*x^2+x+48*x^3+64*x^4)*f(x)^2$  lgdogf  
A118101 5.52306  $(-7-54*x-119*x^2+512*x^8-224*x^5+496*x^4+128*x^3-1632*x^6)/(x-1)/(4*x-1)/(2*x+1)/(4*x+1)/(x+1)/(16*x^4-5*x-1)$  lgdogf  
A118101 9.40904 [  $-(2*x+1)*(16*x^4-5*x-1)/(x-1)/(4*x-1)/(4*x+1)/(x+1)$  ogf]  
A118108 14.2641 [  $(7*x+1)/(x-1)/(4*x-1)/(4*x+1)/(x+1)$  ogf]  
A118108 6.73581 [  $-(-336*x^4-64*x^3+119*x^2+34*x+7)/(-112*x^5-16*x^4+119*x^3+17*x^2-7*x-1)$  lgdogf]  
A118108 8.63396  $-(-7-34*x-119*x^2+336*x^4+64*x^3)/(x-1)/(4*x+1)/(7*x+1)/(4*x-1)/(x+1)$  lgdogf  
A118109 12.9231 [  $(111*x+1)/(x-1)/(100*x-1)/(100*x+1)/(x+1)$  ogf]  
A118120 7.12373 [  $x*(5*x^5+7*x^4+5*x^3-23*x^2-21*x-7)/(x-1)/(x^6-6*x^3+1)$  ogf]  
A118148 8.37175 [  $- (468*x^7+963*x^6+319*x^5+862*x^4+118*x^3+76*x^2+52*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A118168 5.36743 [  $(x^{30}-x^{29}+x^{25}-x^{24}+x^{20}-x^{19}+x^{15}-x^{14}+x^{11}-x^9+x^8+x^7+x^4+x^3+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A118171 10.7927 [  $-(4*x^3-12*x^2-7*x-1)/(x-1)/(4*x-1)/(4*x+1)/(x+1)$  ogf]  
A118171 6.27098  $-(7+58*x+64*x^6-384*x^5+107*x^2-268*x^4-64*x^3)/(x-1)/(4*x+1)/(4*x-1)/(x+1)/(4*x^3-12*x^2-7*x-1)$  lgdogf  
A118173 8.28521 [  $-(8*x^5-8*x^4-12*x^3-4*x^2-3*x-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(4*x^2+1)$  ogf]  
A118216 12.1813 [  $-(630*x^4+135*x^3+76*x^2+70*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A118216 7.58661 [  $\{a(n+5)-a(n+2), a(0) = 1, a(1) = 70, a(2) = 76, a(3) = 136, a(4) = 700\}$ , ogf]

A118216 9.22426  $2*(-35-76*x+315*x^6-204*x^2-38*x^4-1330*x^3)/(x-1)/(x^2+x+1)/(630*x^4+135*x^3+76*x^2+70*x+1)$  lgdogf  
A118239 10.9344  $[-(6*x^2+16*x+2)/(-x^4+10*x^3-10*x^2+2*x-1)]$  lgdogf  
A118239 11.8852  $[(x^3-9*x^2+x-1)/(x-1)^3]$  ogf  
A118239 21.7481  $2*(1+8*x+3*x^2)/(x-1)/(x^3-9*x^2+x-1)$  lgdogf  
A118239 6.12001  $[{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 12, a(3) = 30}]$ , ogf  
A118256 8.53135  $[(x^8+x^7-x^6+x^5+x^3+1)/(x-1)/(10*x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)]$  ogf  
A118263 6.75282  $[-(6*x^8+8*x^7+12*x^6-5*x^5-6*x^4-7*x^3+x^2+x+1)/(3*x^3-1)/(2*x^3-1)/(4*x^3-1)]$  ogf  
A118264 12.2506  $[(x-1)^3/(3*x-1)]$  ogf  
A118264 16.2320  $[6*x/(3*x^2-4*x+1)]$  lgdogf  
A118264 37.6114  $6*x/(3*x-1)/(x-1)$  lgdogf  
A118264 6.83453  $[{-a(n+4)+3*a(n+3), a(0) = 1, a(1) = 0, a(2) = 3, a(3) = 8}]$ , ogf  
A118265 10.9759  $[-(x-1)^4/(4*x-1)]$  ogf  
A118265 16.3299  $[12*x/(4*x^2-5*x+1)]$  lgdogf  
A118265 36.6595  $12*x/(4*x-1)/(x-1)$  lgdogf  
A118265 6.14245  $[{a(n+5)-4*a(n+4), a(0) = 1, a(1) = 0, a(2) = 6, a(3) = 20, a(4) = 81}]$ , ogf  
A118266 14.2490  $[20*x/(5*x^2-6*x+1)]$  lgdogf  
A118266 3.84347  $[{(-n-3)*a(n+3)+(6*n+12)*a(n+2)+(15-5*n)*a(n+1), a(0) = 1, a(1) = 0, a(2) = 10}]$ , ogf  
A118266 31.9407  $20*x/(5*x-1)/(x-1)$  lgdogf  
A118266 8.22827  $[(x-1)^5/(5*x-1)]$  ogf  
A118271 12.3963  $[{-(-4*x^5+x^4-4*x^3-2*x^2-4*x+1)/(x^6-1)}$   
ogf\_with\_Euler\_transform  
A118272 14.6748  $[{-(-4*x^5-2*x^4-4*x^2-2)/(x^6-1)}$  ogf\_with\_Euler\_transform  
A118277 10.1451  $[-x*(x^2+5*x+1)/(x+1)^2/(x-1)^3]$  ogf  
A118277 11.1048  $[{-(-3*x^3-21*x^2-12*x-6)/(-x^4-5*x^3+5*x+1)}$  lgdogf  
A118277 18.4081  $-3*(2+4*x+7*x^2+x^3)/(x-1)/(x+1)/(x^2+5*x+1)$  lgdogf  
A118286 13.3445  $[2*(2*x^2+1)/(x^2+1)/(x-1)^2]$  ogf  
A118286 19.3398  $-2*(1+x+2*x^2+2*x^4)/(x-1)/(2*x^2+1)/(1+x^2)$  lgdogf  
A118286 4.35876  $[{(3*n+11)*a(n+1)+(-3*n-8)*a(n+2)+(3*n+11)*a(n+3)+(-3*n-8)*a(n+4), a(0) = 2, a(1) = 4, a(2) = 8, a(3) = 12}]$ , ogf  
A118286 9.85675  $[{-(-4*x^4-4*x^2-2*x-2)/(-2*x^5+2*x^4-3*x^3+3*x^2-x+1)}$  lgdogf  
A118293 6.46559  $[$   
 $(36*x^13+90*x^12+27*x^11+72*x^10+9*x^9-8*x^8-7*x^7-6*x^6-5*x^5-40*x^4-93*x^3-29*x^2-82*x-18)/(x-1)/(x^2+x+1)/(x^6+x^3+1)]$  ogf  
A118294 7.68247  $[$   
 $(27*x^11+90*x^10+9*x^9-9*x^8-8*x^7-7*x^6-6*x^5-5*x^4-4*x^3-30*x^2-92*x-19)/(x-1)/(x^2+x+1)/(x^6+x^3+1)]$  ogf  
A118295 9.06260  $[(18*x^9-10*x^8-9*x^7-8*x^6-7*x^5-6*x^4-5*x^3-4*x^2-3*x-20)/(x-1)/(x^2+x+1)/(x^6+x^3+1)]$  ogf  
A118312 11.6632  $[-(4*x^5-8*x^4+12*x^2+5*x+1)/(x-1)^3]$  ogf  
A118312 12.9601  $2*(2*x+1)*(2*x^4-8*x^3+12*x^2-9*x-4)/(x-1)/(4*x^5-8*x^4+12*x^2+5*x+1)$  lgdogf  
A118321 13.1525  $[-x*(4*x^5+9*x^3+x^2+6*x+7)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)]$  ogf  
A118321 8.68462  $-(6+2*x+42*x^5+4*x^10+27*x^8+4*x^7+30*x^6+27*x^2+20*x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(4*x^5+9*x^3+x^2+6*x+7)$  lgdogf  
A118337 7.21965  $[x*(8*x^5+7*x^4+8*x^3-36*x^2-21*x-12)/(x-1)/(x^6-6*x^3+1)]$  ogf  
A118341 10.0259  $-1/2*((5*x^2-2*x+1)^(1/2)*x+(5*x^2-2*x+1)^(1/2)-1-3*x^2)/x$  revogf  
A118341 6.74638  $[-1/2*(5*x^2-2*x+1)^(1/2)/x*(x+1)+1/2*(3*x^2+1)/x]$  revogf  
A118346 12.5586  $-1/2*(1-2*x+((6*x-1)*(-1+2*x))^(1/2))/(-1+2*x)*x$  revogf  
A118346 7.98692  $[-1/2*(-2*x+1+(12*x^2-8*x+1)^(1/2))/(2*x-1)*x]$  revogf  
A118347 7.11528  $[-1/8*(2*x+1)/x*(12*x^2-4*x+1)^(1/2)+1/8*(8*x^2+1)/x]$  revogf  
A118347 9.70441  $-1/8*(2*(-4*x+12*x^2+1)^(1/2)*x+(-4*x+12*x^2+1)^(1/2)-1-8*x^2)/x$  revogf

A118351 12.5039  $-1/2*(1-3*x+((7*x-1)*(3*x-1))^{(1/2)})/(3*x-1)*x$  revogf  
A118351 7.52773  $[-1/2*(-3*x+1+(21*x^2-10*x+1)^{(1/2)})/(3*x-1)*x$  revogf]  
A118352 6.41477  $[-1/18*(1+3*x)/x*(21*x^2-6*x+1)^{(1/2)}+1/18*(15*x^2+1)/x$  revogf]  
A118352 9.03400  $-1/18*(3*(21*x^2-6*x+1)^{(1/2)}*x+(21*x^2-6*x+1)^{(1/2)}-1-15*x^2)/x$  revogf  
A118375 10.2680  $-(x+1)*(2*x^5-9*x^4+14*x^3-18*x^2+8*x-5)/(x-1)/(x^2+1)/(x^2-x+1)/(x^2-2*x-1)$  lgdogf  
A118375 7.87715  $[-(x^2-x+1)*(x^2-2*x-1)/(x^2+1)/(x-1)^4$  ogf]  
A118376 15.1619  $[-(-2*x^2+x)/(2*x^2-1)$  revogf]  
A118376 19.7698  $x*(-1+2*x)/(-1+2*x^2)$  revogf  
A118376 3.62076  $[{(8*n+16)*a(n+1)+(-16*n-44)*a(n+2)+(9*n+33)*a(n+3)+(-n-5)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 24}],$  ogf]  
A118376 6.29039  $-1/2*(-1+2*x)*(-1+(1-8*x+8*x^2)^{(1/2)})/(x-1)/(1-8*x+8*x^2)^{(1/2)}/x$  lgdogf  
A118395 23.8002  $1+6*x+6*x^2+9*x^4+(-1-3*x^2)*f(x)$  lgdegf  
A118395 5.70201  $[{(3*n^2+15*n+18)*a(n+1)-a(n+4)+a(n+3), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 7}],$  ogf]  
A118396 5.03730  $(63-72*n+9*n^2)*a(n+1)+(-8*n-60+4*n^2)*a(n+3), a(0)=1, a(1)=0, a(2)=3, a(3)=0, a(4)=0, a(5)=0, a(6)=0, a(7)=0, a(8)=9$  lgdegf  
A118402 11.2933  $[-(x^2+1)*(2*x^2+2*x+1)/(x-1)/(x+1)^2$  ogf]  
A118402 15.0486  $(-1-7*x+2*x^5-7*x^2+2*x^4-9*x^3)/(x-1)/(x+1)/(x^2+1)/(2*x^2+2*x+1)$  lgdogf  
A118402 6.03880  $[{-a(n+5)-a(n+4)+a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 1, a(4) = 5}],$  ogf]  
A118403 10.5700  $[-(x^2+1)*(2*x^2-2*x+1)/(x-1)^3$  ogf]  
A118403 14.7808  $(-1-2*x+3*x^2+2*x^4-8*x^3)/(x-1)/(x^2+1)/(2*x^2-2*x+1)$  lgdogf  
A118403 5.65201  $[{-a(n+5)+3*a(n+4)-3*a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 5, a(4) = 9}],$  ogf]  
A118403 8.47801  $[-(-2*x^4+8*x^3-3*x^2+2*x+1)/(2*x^5-4*x^4+5*x^3-5*x^2+3*x-1)$  lgdogf]  
A118405 11.0990  $[-(-2*x^3-6*x^2)/(-2*x^4-3*x^3-3*x^2-3*x-1)$  lgdogf]  
A118405 13.1004  $[(x+1)^2/(2*x+1)/(x^2+1)$  ogf]  
A118405 25.0846  $-2*x^2*(3+x)/(2*x+1)/(x+1)/(x^2+1)$  lgdogf  
A118405 7.26477  $[{-a(n+3)-2*a(n+2)-a(n+1)-2*a(n), a(0) = 1, a(1) = 0, a(2) = 0}],$  ogf]  
A118406 11.7053  $[-(5*x^4+2*x^2-1)/(x-1)/(2*x-1)/(x+1)/(x^2+1)$  ogf]  
A118406 8.11547  $-2*(1-2*x-2*x^5+5*x^8+2*x^2+10*x^4-8*x^3+6*x^6)/(x-1)/(-1+2*x)/(x+1)/(x^2+1)/(5*x^4+2*x^2-1)$  lgdogf  
A118408 13.0041  $[-(x+1)^2/(x-1)/(x^2+1)/(2*x^2+2*x+1)$  ogf]  
A118408 15.1879  $-(1-x+6*x^5+3*x^2+10*x^4+x^3)/(x-1)/(x+1)/(x^2+1)/(2*x^2+2*x+1)$  lgdogf  
A118408 8.54558  $[-(-6*x^5-10*x^4-x^3-3*x^2+x-1)/(-2*x^6-2*x^5-x^4+2*x^2+2*x+1)$  lgdogf]  
A118409 7.22616  $[-(2*x^6-2*x^5+3*x^4-2*x^3-2*x^2-1)/(x-1)/(2*x^2-1)/(2*x^2+1)/(x^4+1)$  ogf]  
A118414 10.6508  $[-(-24*x^3+18*x^2+11*x-9)/(-12*x^4+24*x^3-13*x^2+1)$  lgdogf]  
A118414 12.3009  $[-(6*x^2-3*x-1)/(2*x-1)^2/(x-1)^2$  ogf]  
A118414 16.5289  $-(9-11*x-18*x^2+24*x^3)/(x-1)/(-1+2*x)/(6*x^2-3*x-1)$  lgdogf  
A118414 3.83055  $[{(96*n^2+192*n)*a(n)+(52*n^2+1166*n+2310)*a(n+1)+(-246*n^2-1671*n-2079)*a(n+2)+(98*n^2+459*n+495)*a(n+3), a(0) = 1, a(1) = 9, a(2) = 35}],$  ogf]  
A118415 13.2635  $[-(-12*x-10)/(-12*x^2+4*x+1)$  lgdogf]  
A118415 15.0319  $[(6*x+1)/(2*x-1)^2$  ogf]  
A118415 17.9218  $-1/4*(-1-4*x+(1+32*x)^{(1/2)})/(-3+2*x)$  revogf  
A118415 24.5595  $-2*(5+6*x)/(6*x+1)/(-1+2*x)$  lgdogf  
A118415 8.14984  $[{-a(n+2)+4*a(n+1)-4*a(n), a(0) = 1, a(1) = 10}],$  ogf]  
A118417 16.0944  $-1/4*(-1-2*x+(1+8*x)^{(1/2)})/(x-1)$  revogf  
A118417 17.1572  $[2*(2*x+1)/(2*x-1)^2$  ogf]  
A118417 17.5471  $[-(4*x+6)/(4*x^2-1)$  lgdogf]  
A118417 19.6709  $-2*(3+2*x)/(-1+2*x)/(2*x+1)$  lgdogf  
A118417 9.30207  $[{-a(n+2)+4*a(n+1)-4*a(n), a(0) = 2, a(1) = 12}],$  ogf]

A118425 11.4462 [  $x^3/(x-1)^2/(x^2+x-1)^2$  ogf]  
A118425 13.4273 [  $-(6*x^2-4)/(x^3-2*x+1)$  lgdogf]  
A118425 23.9549  $-2*(-2+3*x^2)/(x-1)/(x^2+x-1)$  lgdogf  
A118425 4.39131 [  $\{(n+4)*a(n+1)+(-2*n-4)*a(n+3)+(n+1)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A118430 10.2213 [  $x^3/(x^3-x^2+2*x-1)^2$  ogf]  
A118430 11.0199 [  $-(-6*x^2+4*x-4)/(-x^3+x^2-2*x+1)$  lgdogf]  
A118430 21.2650  $-2*(2-2*x+3*x^2)/(-x^2-1+2*x+x^3)$  lgdogf  
A118430 3.65426 [  $\{(-n-4)*a(n+1)+(n+3)*a(n+2)+(-2*n-4)*a(n+3)+(n+1)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A118434 10.4556  $-4*x*(-1+4*x^4-3*x+4*x^2+4*x^5)/(2*x^2+2*x+1)/(2*x^2-2*x+1)/(4*x^3+2*x^2+1)$  lgdogf  
A118434 13.1438 [  $(4*x^3+2*x^2+1)/(2*x^2-2*x+1)/(2*x^2+2*x+1)$  ogf]  
A118436 8.24997 [  $-(5*x^5+29*x^4-6*x^3+2*x^2+x+1)/(x-1)/(x+1)/(5*x^2-2*x+1)/(5*x^2+2*x+1)$  ogf]  
A118437 5.19823 [  $(256*x^7-384*x^6+32*x^5-8*x^3-1)/(2*x-1)/(4*x^2+1)/(8*x^2-4*x+1)/(8*x^2+4*x+1)$  ogf]  
A118439 8.72247 [  $(5*x^5-21*x^4-6*x^3-10*x^2+x-1)/(x-1)/(x+1)/(5*x^2-2*x+1)/(5*x^2+2*x+1)$  ogf]  
A118440 5.62311 [  $(256*x^7-128*x^6+96*x^5-128*x^4+16*x^3-8*x^2+2*x-1)/(2*x-1)/(4*x^2+1)/(8*x^2-4*x+1)/(8*x^2+4*x+1)$  ogf]  
A118442 10.1722 [  $-(-32*x^3-48*x^2+24*x+4)/(-16*x^4-16*x^3-4*x+1)$  lgdogf]  
A118442 12.6332 [  $-x*(4*x^2+4*x-1)/(4*x^2+1)^2$  ogf]  
A118442 16.5662  $-4*(-1+2*x)*(4*x^2+8*x+1)/(4*x^2+1)/(-1+4*x+4*x^2)$  lgdogf  
A118442 6.75222 [  $\{(4*n+12)*a(n+1)+(n+1)*a(n+3), a(0) = 0, a(1) = 1, a(2) = -4\}$ , ogf]  
A118443 6.16387 [  $-(x+1)*(175*x^5-45*x^4+78*x^3-18*x^2+3*x-1)/(5*x^2-2*x+1)^2/(5*x^2+2*x+1)^2$  ogf]  
A118444 12.1073 [  $-(15*x^3-7*x^2+x-1)/(5*x^2-2*x+1)/(5*x^2+2*x+1)$  ogf]  
A118444 7.58121 [  $\{-a(n+4)-6*a(n+2)-25*a(n), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = -9\}$ , ogf]  
A118444 9.07605  $-(-1+2*x-350*x^5-39*x^2-15*x^4-100*x^3+375*x^6)/(5*x^2-2*x+1)/(5*x^2+2*x+1)/(15*x^3-7*x^2+x-1)$  lgdogf  
A118445 12.7754 [hypergeom([5/2, 5/2],[4],16\*x) ogf]  
A118445 5.02970 [  $\{(-16*n^2-112*n-196)*a(n+1)+(n^2+7*n+10)*a(n+2), a(0) = 1, a(1) = 25\}$ , ogf]  
A118465 10.1210 [  $3*x*(x+3)*(3*x+1)/(x-1)^4$  ogf]  
A118465 11.3478 [  $-(6*x^2+36*x+22)/(3*x^3+7*x^2-7*x-3)$  lgdogf]  
A118465 19.4265  $-2*(11+18*x+3*x^2)/(x-1)/(x+3)/(3*x+1)$  lgdogf  
A118465 3.76360 [  $\{(9+3*n)*a(n+4)+(-8+7*n)*a(n+3)+(-43-7*n)*a(n+2)+(-6-3*n)*a(n+1), a(0) = 0, a(1) = 9, a(2) = 66, a(3) = 219\}$ , ogf]  
A118471 6.52818 [  $-(40823*x^10-36792*x^9-3591*x^8-387*x^7-53*x^6+3*x^3-3*x^2-1)/(x-1)^2$  ogf]  
A118485 6.56058 [  $-(11321*x^4-218*x^3+326*x^2-168*x+43)/(x-1)^5$  ogf]  
A118485 8.42270  $-(47-20*x+324*x^2+11321*x^4+44848*x^3)/(x-1)/(11321*x^4-218*x^3+326*x^2-168*x+43)$  lgdogf  
A118517 13.6750  $-(4+14*x+30*x^2+7*x^4+8*x^3)/(x-1)/(x^2+x+1)/(9*x^3+7*x^2+4*x+1)$  lgdogf  
A118517 16.3384 [  $-(9*x^3+7*x^2+4*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A118517 9.60090 [  $\{a(n+4)-a(n+1), a(0) = 1, a(1) = 4, a(2) = 7, a(3) = 10\}$ , ogf]  
A118518 8.50933 [  $-(72*x^8+72*x^7+45*x^6+44*x^5+14*x^4+11*x^3+8*x^2+5*x+2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A118519 8.50933 [  $-3*(27*x^8+24*x^7+18*x^6+15*x^5+8*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A118520 9.10526 [  $-(72*x^7+72*x^6+47*x^5+44*x^4+14*x^3+11*x^2+8*x+5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A118521 9.10526 [  $-3*(27*x^7+24*x^6+19*x^5+15*x^4+8*x^3+4*x^2+3*x+2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A118528 7.33276 [  $-(99*x^9+98*x^8+78*x^7+76*x^6+56*x^5+54*x^4+34*x^3+32*x^2+12*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A118554 5.18302 [

$x^*(9*x^9+12*x^8+7*x^7+12*x^6+9*x^5-43*x^4-48*x^3-21*x^2-24*x-11)/(x-1)/$   
 $(x^{10}-6*x^5+1)$  ogf]  
A118557 10.0657  $(11+21967*x-32964*x^2+10988*x^3)/(x-1)/$   
 $(10988*x^3-10979*x^2-9*x-1)$  lgdogf  
A118557 5.51482  $\{a(n+4)-2*a(n+3)+a(n+2), a(0) = 1, a(1) = 11, a(2) = 11000,$   
 $a(3) = 11001\}$ , ogf]  
A118557 9.83077  $[-(10988*x^3-10979*x^2-9*x-1)/(x-1)^2$  ogf]  
A118558 6.09551  $[(1984*x^4-2120*x^3+510*x^2-61*x+2)/(x-1)/(4*x-1)/(2*x-1)/$   
 $(8*x-1)/(16*x-1)$  ogf]  
A118587 12.5663  $-(43-121*x+353*x^2+133*x^3)/(x-1)/(133*x^3-23*x^2-25*x+17)$   
lgdogf  
A118587 7.98998  $[-(-133*x^3-353*x^2+121*x-43)/(-133*x^4+156*x^3+2*x^2-42*x+17)$   
lgdogf]  
A118587 9.06180  $[(133*x^3-23*x^2-25*x+17)/(x-1)^4$  ogf]  
A118589 19.7054  $[[3*x^2+2*x+1]$  lgdegf]  
A118589 3.60327  $[\{(-3*n^2-15*n-18)*a(n+1)+(-2*n-6)*a(n+2)+a(n+4)-a(n+3), a(0) =$   
 $1, a(1) = 1, a(2) = 3, a(3) = 13\}$ , ogf]  
A118589 38.6380  $1+2*x+3*x^2-f(x)$  lgdegf  
A118611 4.12260 [  
 $x*(63*x^{13}+33*x^{12}+51*x^{11}+49*x^{10}+51*x^9+33*x^8+63*x^7-301*x^6-143*x^5-193*x^4-$   
 $147*x^3-113*x^2-55*x-77)/(x-1)/(x^{14}-6*x^7+1)$  ogf]  
A118613 6.95599 [  
 $(99*x^9+370*x^8+343*x^7+613*x^6+685*x^5+856*x^4+928*x^3+109*x^2+28*x+1)/(x-1)/$   
 $(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A118617 7.79639 [  
 $(99*x^9+96*x^8+56*x^7+52*x^6+120*x^5+98*x^4+76*x^3+54*x^2+32*x+1)/(x-1)/(x^2+x$   
 $+1)/(x^6+x^3+1)$  ogf]  
A118619 11.9115  $-(34+158*x+300*x^2+79*x^4+68*x^3)/(x-1)/(x^2+x+1)/$   
 $(99*x^3+79*x^2+34*x+1)$  lgdogf  
A118619 14.5700  $[-(99*x^3+79*x^2+34*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A118619 8.74200  $\{a(n+4)-a(n+1), a(0) = 1, a(1) = 34, a(2) = 79, a(3) = 100\}$ ,  
ogf]  
A118627 5.73912  $[-(2*x^{13}+4*x^{12}-3*x^{11}-17*x^{10}+9*x^9+18*x^8-6*x^7-4*x^6-2*x^5-$   
 $x^4-x^3-x-1)/(x-1)/(x+1)/(x^4+x^2-1)$  ogf]  
A118628 3.46786 [  
 $(9899010*x^{12}+99000990*x^{11}-10001000*x^{10}-31007101*x^9+98010*x^8+99990*x^7-20000$   
 $*x^6-110090*x^5+990*x^4-2000*x^3-1100*x^2-10*x-3)/(x-1)$  ogf]  
A118635 6.85402 [  
 $(765*x^{10}-522*x^9-9*x^8+9*x^7+567*x^6+63*x^5+36*x^4+72*x^3+43*x^2+40*x+1)/(x-1)/$   
 $(x^2+x+1)$  ogf]  
A118639 3.02664  $[(x^2-4*x-1)/(10*x^2-1)$  ogf]  
A118640 2.57527  $[(5*x+1)/(x-1)/(10*x^2-1)$  ogf]  
A118645 7.18419  $[-(6*x^4+6*x^3-x^2+4*x-4)/(2*x^5+x^4+x^3-x^2-2*x+1)$  lgdogf]  
A118645 8.75322  $-(10-14*x-4*x^5+7*x^2+9*x^4-24*x^3+4*x^6)/(-1+2*x)/(2*x^3-$   
 $x^2+2*x-4)/(x^3+x-1)$  lgdogf  
A118645 9.99539  $[x^2*(x+1)/(2*x-1)/(x^3+x-1)$  ogf]  
A118646 6.11187  $[x^2*(x^3+x^2-2*x-1)/(2*x-1)/(x^6-x^4-x^2-x+1)$  ogf]  
A118646 6.46398  $-(-5+4*x+24*x^5-32*x^7+8*x^9+7*x^8+8*x^2+3*x^4-2*x^3-9*x^6)/$   
 $(-1+2*x)/(x^3+x^2-2*x-1)/(x^6-x^4-x^2-x+1)$  lgdogf  
A118647 8.39228  $-(x+1)*(x^9+x^8-4*x^6-3*x^5-x^4+5*x^3-x^2+2*x+4)/(x^6-x^4-x^2-x$   
 $+1)/(x^5+x^4-x^2-2*x-2)$  lgdogf  
A118647 8.65832  $[-(x^5+x^4-x^2-2*x-2)/(x^6-x^4-x^2-x+1)$  ogf]  
A118648 6.69985  $-(25-42*x+34*x^5-8*x^7+16*x^8+19*x^2-58*x^4-4*x^6)/(-1+2*x)/$   
 $(x^4+x-1)/(8*x^4-2*x^3-x^2+8*x-11)$  lgdogf  
A118648 7.47808  $[-(8*x^4-2*x^3-x^2+8*x-11)/(2*x-1)/(x^4+x-1)$  ogf]  
A118649 12.1105  $[-(x-1)*(x+1)/(2*x^3-2*x^2-2*x+1)$  ogf]  
A118649 13.5365  $-2*(1+x-2*x^2+x^4)/(x-1)/(x+1)/(2*x^3-2*x^2-2*x+1)$  lgdogf  
A118649 6.16336  $\{a(n+3)-2*a(n+2)-2*a(n+1)+2*a(n), a(0) = 1, a(1) = 2, a(2) =$   
 $5\}$ , ogf]  
A118649 7.84427  $[-(-2*x^4+4*x^2-2*x-2)/(-2*x^5+2*x^4+4*x^3-3*x^2-2*x+1)$  lgdogf]  
A118650 11.5438  $-(-3+8*x-6*x^2+2*x^3)/(x-1)/(4*x^3-12*x^2+8*x-1)$  lgdogf



A118650 6.90587  $[-(2*x^3-6*x^2+8*x-3)/(4*x^4-16*x^3+20*x^2-9*x+1) \text{ lgdogf}]$   
A118658 15.3940  $[-(-x^2+2*x)/(-x^3+2*x-1) \text{ lgdogf}]$   
A118658 17.7886  $[2*(x-1)/(x^2+x-1) \text{ ogf}]$   
A118658 21.3357  $1/2/(-2+x)*(-2-x+(4-4*x+5*x^2)^(1/2)) \text{ revogf}$   
A118658 31.5768  $-x*(-2+x)/(x-1)/(x^2+x-1) \text{ lgdogf}$   
A118658 9.88256  $[{-a(n+2)+a(n+1)+a(n), a(0) = 2, a(1) = 0}, \text{ ogf}]$   
A118667 7.37687  $-(3+11*x+27*x^5+25*x^7+x^9+13*x^8+25*x^2+29*x^4+37*x^3+29*x^6)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+6*x^4+6*x^3+4*x^2+2*x+1) \text{ lgdogf}$   
A118667 9.75281  $[x*(x^5+6*x^4+6*x^3+4*x^2+2*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A118672 6.42891  $[(2*x^8+2*x^6+x^4+2*x^2+2)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$   
A118673 7.05526  $[x*(11*x^5+49*x^4+11*x^3-53*x^2-147*x-13)/(x-1)/(x^6-6*x^3+1) \text{ ogf}]$   
A118674 6.48643  $[x*(7*x^5+17*x^4+7*x^3-33*x^2-51*x-9)/(x-1)/(x^6-6*x^3+1) \text{ ogf}]$   
A118675 6.90026  $[x*(12*x^5+23*x^4+12*x^3-56*x^2-69*x-16)/(x-1)/(x^6-6*x^3+1) \text{ ogf}]$   
A118676 7.08620  $[x*(16*x^5+47*x^4+16*x^3-76*x^2-141*x-20)/(x-1)/(x^6-6*x^3+1) \text{ ogf}]$   
A118714 5.88204  $[{(-n^3-12*n^2-47*n-54)*a(n+1)+6*a(n+2), a(0) = 1, a(1) = 3}, \text{ ogf}]$   
A118719 5.47109  $[x*(x^6+7*x^5+53*x^4+40*x^3+53*x^2+7*x+1)/(x+1)^3/(x-1)^4 \text{ ogf}]$   
A118719 6.83992  $-(8+120*x+172*x^5+x^7+215*x^2+248*x^4+517*x^3+15*x^6)/(x-1)/(x+1)/(x^6+7*x^5+53*x^4+40*x^3+53*x^2+7*x+1) \text{ lgdogf}$   
A118729 10.6477  $-2*(1+x+x^2+x^3+x^4+x^5+x^6+5*x^7)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \text{ lgdogf}$   
A118729 11.1044  $[-x^8/(x+1)/(x^2+1)/(x^4+1)/(x-1)^3 \text{ ogf}]$   
A118759 111.552  $-2/(x-1) \text{ lgdogf}$   
A118759 16.2629  $[-x*(89*x^97+178*x^96+1)/(267*x^97-178*x^96-x^2+2*x-1) \text{ ogf}]$   
A118759 38.8007  $4*x/(1+(1+4*x)^(1/2))^2 \text{ revogf}$   
A118759 48.7886  $[2/(-x+1) \text{ lgdogf}]$   
A118760 11.1764  $[{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 1}, \text{ ogf}]$   
A118760 111.552  $-2/(x-1) \text{ lgdogf}$   
A118760 27.4329  $[x/(x-1)^2 \text{ ogf}]$   
A118760 32.3317  $[2/(-x+1) \text{ lgdogf}]$   
A118760 38.8007  $4*x/(1+(1+4*x)^(1/2))^2 \text{ revogf}$   
A118819 11.5044  $[-(90*x^5+72*x^4+36*x^3+13*x^2+7*x+1)/(x-1)/(x^2+x+1) \text{ ogf}]$   
A118819 8.69206  $(-7-26*x+180*x^7-111*x^2-463*x^4-302*x^3+72*x^6)/(x-1)/(x^2+x+1)/(90*x^5+72*x^4+36*x^3+13*x^2+7*x+1) \text{ lgdogf}$   
A118820 5.61019  $[-(90*x^14+90*x^13+72*x^12+72*x^11+54*x^10+54*x^9+35*x^8+33*x^7+13*x^6+11*x^5+9*x^4+7*x^3+5*x^2+3*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1) \text{ ogf}]$   
A118822 10.3330  $[{a(n+4)+a(n), a(0) = 2, a(1) = -1, a(2) = 0, a(3) = -1}, \text{ ogf}]$   
A118822 18.3463  $[-(x-1)*(x^2+x+2)/(x^4+1) \text{ ogf}]$   
A118822 23.5025  $-(-1-3*x^2+3*x^4-8*x^3+x^6)/(x-1)/(x^2+x+2)/(x^4+1) \text{ lgdogf}$   
A118825 12.4477  $[-(x+1)*(x^2-x+2)/(x^4+1) \text{ ogf}]$   
A118825 15.8038  $-(-1-3*x^2+3*x^4+8*x^3+x^6)/(x+1)/(x^2-x+2)/(x^4+1) \text{ lgdogf}$   
A118825 7.01079  $[{-a(n+4)-a(n), a(0) = -2, a(1) = -1, a(2) = 0, a(3) = -1}, \text{ ogf}]$   
A118828 10.3330  $[{a(n+4)+a(n), a(0) = 1, a(1) = -1, a(2) = 0, a(3) = -1}, \text{ ogf}]$   
A118828 18.3463  $[-(x^3+x-1)/(x^4+1) \text{ ogf}]$   
A118828 26.6361  $-(-1-3*x^2+3*x^4-4*x^3+x^6)/(x^3+x-1)/(x^4+1) \text{ lgdogf}$   
A118831 10.2050  $[{-a(n+4)-a(n), a(0) = -1, a(1) = -1, a(2) = 0, a(3) = -1}, \text{ ogf}]$   
A118831 18.1191  $[-(x^3+x+1)/(x^4+1) \text{ ogf}]$   
A118831 26.3755  $-(-1-3*x^2+3*x^4+4*x^3+x^6)/(x^3+x+1)/(x^4+1) \text{ lgdogf}$   
A118837 6.32173  $[-(90*x^12+90*x^11+54*x^10+54*x^9+15*x^8+101*x^7+79*x^6+57*x^5+35*x^4+13*x^3+9*x^2+5*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1) \text{ ogf}]$   
A118852 6.34767  $[-(90*x^11+90*x^10+18*x^9+101*x^8+39*x^7+103*x^6+59*x^5+105*x^4+79*x^3+17*x^2+9*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1) \text{ ogf}]$   
A118856 7.79639  $[-(99*x^9+78*x^8+56*x^7+34*x^6+102*x^5+98*x^4+58*x^3+54*x^2+14*x+1)/(x-1)/(x^2+x$

+1)/(x^6+x^3+1) ogf]  
A118857 7.73913 [ -(90\*x^6+18\*x^5+61\*x^4+15\*x^3+31\*x^2+12\*x+1)/(x-1)/(x^2+x+1)/(x^2-x+1) ogf]  
A118862 9.17526 [ -(90\*x^7+108\*x^6+49\*x^5+43\*x^4+82\*x^3+76\*x^2+16\*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) ogf]  
A118864 7.41362 [ -  
(99\*x^9+38\*x^8+102\*x^7+58\*x^6+104\*x^5+78\*x^4+106\*x^3+98\*x^2+18\*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1) ogf]  
A118870 11.5014 [ (x^2+1)/(x^4-2\*x^3+x^2-2\*x+1) ogf]  
A118870 12.8681 -2\*(-1+x^5-2\*x^2-x^4+2\*x^3)/(x^2+1)/(x^4-2\*x^3+x^2-2\*x+1) lgdogf  
A118871 16.7297 -4\*(-1+x-3\*x^2+2\*x^3)/(x^4-2\*x^3+x^2-2\*x+1) lgdogf  
A118871 8.77289 [ x^4/(x^4-2\*x^3+x^2-2\*x+1)^2 ogf]  
A118871 8.88120 [- (8\*x^3-12\*x^2+4\*x-4)/(x^4-2\*x^3+x^2-2\*x+1) lgdogf]  
A118885 11.8509 [ x^4/(x-1)^2/(x^3+x^2+x-1)^2 ogf]  
A118885 13.9020 [- (8\*x^3-4)/(x^4-2\*x+1) lgdogf]  
A118885 21.9062 -4\*(-1+2\*x^3)/(x-1)/(x^3+x^2+x-1) lgdogf  
A118891 6.12637 [ -(x^8+x^7-x^5+2\*x^4-x+1)/(x^9-x^7-x^6+4\*x^5-2\*x^4-2\*x^2+3\*x-1) ogf]  
A118892 10.6309 [- (-8\*x^3+6\*x^2-4)/(-x^4+x^3-2\*x+1) lgdogf]  
A118892 20.6544 -2\*(2-3\*x^2+4\*x^3)/(-x^3-1+2\*x+x^4) lgdogf  
A118892 8.50475 [ x^4/(x^4-x^3+2\*x-1)^2 ogf]  
A118898 10.1303 [ x^4/(x^4+x^3+x^2+x-1)^2 ogf]  
A118898 18.4878 -2\*(1+2\*x+3\*x^2+4\*x^3)/(x^2-1+x+x^4+x^3) lgdogf  
A118898 9.24391 [- (-8\*x^3-6\*x^2-4\*x-2)/(-x^4-x^3-x^2-x+1) lgdogf]  
A118906 7.13366 [ -  
(6\*x^12-6\*x^11-10\*x^10+8\*x^9+6\*x^7+4\*x^6-7\*x^5+x^3-3\*x^2-2\*x-1)/(x^2+1)/(x+1)^2/(x-1)^2 ogf]  
A118932 10.3413 1+3\*x^2+3\*x^4+x^6+(-6\*x^2-3-3\*x^4)\*f(x)+(3\*x^2+3)\*f(x)^2-f(x)^3 lgdegf  
A118934 38.9311 (x+1)\*(x^2-x+1)] lgdegf  
A118934 4.10071 [{(n+5)\*a(n+5)-a(n+4)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = 1/6, a(4) = 7/24}, egf]  
A118969 3.25482 [{(-3125\*n^4-21875\*n^3-56875\*n^2-65125\*n-27720)\*a(n+1)+(256\*n^4+2176\*n^3+6896\*n^2+9656\*n+5040)\*a(n+2), a(0) = 1, a(1) = 2}, ogf]  
A118970 3.05525 [{(3125\*n^4+25000\*n^3+74375\*n^2+97500\*n+47520)\*a(n+1)+(-256\*n^4-2432\*n^3-8624\*n^2-13528\*n-7920)\*a(n+2), a(0) = 1, a(1) = 3}, ogf]  
A118971 20.4008 [x\*(x-1)^4 revogf]  
A118971 62.1604 x\*(x-1)^4 revogf  
A118979 14.3649 [ -12/(x-1)/(3\*x-1)/(2\*x-1) ogf]  
A118979 15.1287 -2\*(3-11\*x+9\*x^2)/(x-1)/(3\*x-1)/(-1+2\*x) lgdogf  
A118979 5.27942 [{a(n+3)-6\*a(n+2)+11\*a(n+1)-6\*a(n), a(0) = 12, a(1) = 72, a(2) = 300}, ogf]  
A118979 9.21928 [- (18\*x^2-22\*x+6)/(6\*x^3-11\*x^2+6\*x-1) lgdogf]  
A119016 13.3576 [ -(2\*x^3-x^2+1)/(x^4+2\*x^2-1) ogf]  
A119016 14.3500 -2\*x\*(x+1)\*(x^4-2\*x^3+2\*x+1)/(2\*x^3-x^2+1)/(x^4+2\*x^2-1) lgdogf  
A119032 10.8229 -2\*(-85+171\*x-23\*x^2+x^3)/(x-1)/(x-9)/(x^2-18\*x+1) lgdogf  
A119032 4.77950 [{-a(n+3)+19\*a(n+2)-19\*a(n+1)+a(n), a(0) = 0, a(1) = 9, a(2) = 170}, ogf]  
A119032 6.10714 [- (-2\*x^3+46\*x^2-342\*x+170)/(-x^4+28\*x^3-190\*x^2+172\*x-9) lgdogf]  
A119032 9.31598 [ x\*(x-9)/(x-1)/(x^2-18\*x+1) ogf]  
A119255 13.9827 [- (-x^2+x)/(-x^3-1) revogf]  
A119255 27.4223 -x\*(x-1)/(x+1)/(x^2-x+1) revogf  
A119259 3.24089 [{(16\*n^2+56\*n+48)\*a(n+1)+(6\*n^2-4\*n-42)\*a(n+2)+(-9\*n^2-53\*n-78)\*a(n+3)+(n^2+7\*n+12)\*a(n+4), a(0) = 1, a(1) = 3, a(2) = 17, a(3) = 111}, ogf]  
A119282 13.5904 [{a(n+3)-2\*a(n+1)+a(n), a(0) = 0, a(1) = -1, a(2) = 0}, ogf]  
A119282 22.3271 [- (3\*x^2-4\*x)/(x^3-2\*x^2+1) lgdogf]  
A119282 30.4956 [ -x/(x-1)/(x^2-x-1) ogf]  
A119282 49.6576 -x\*(-4+3\*x)/(x-1)/(x^2-x-1) lgdogf  
A119283 15.3353 [- (-3\*x^3-9\*x^2-8\*x)/(-x^4-3\*x^3+3\*x+1) lgdogf]

A119283 16.0431 [  $-x^*(x+1)/(x^2+3*x+1)/(x-1)^2$  ogf]  
A119283 27.5035  $-x^*(8+9*x+3*x^2)/(x-1)/(x+1)/(x^2+3*x+1)$  lgdogf  
A119283 7.44857 [  $\{a(n+4)+a(n+3)-4*a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = -1, a(2) = 0, a(3) = -4\}$ , ogf]  
A119284 13.0577 [  $-x^*(x^2-2*x-1)/(x-1)/(x^2+x-1)/(x^2-4*x-1)$  ogf]  
A119284 13.9533  $-x^*(-16-16*x^4-7*x+16*x^3+28*x^2+3*x^5)/(x-1)/(x^2+x-1)/(x^2-4*x-1)/(x^2-2*x-1)$  lgdogf  
A119284 8.13592 [  $-(3*x^6-16*x^5+16*x^4+28*x^3-7*x^2-16*x)/(x^7-6*x^6+4*x^5+19*x^4-17*x^3-6*x^2+4*x+1)$  lgdogf]  
A119285 10.8734 [  $-x^*(x^2+5*x+1)/(x+1)/(x^2+7*x+1)/(x^2-3*x+1)$  ogf]  
A119285 11.1706  $-x^*(-32+30*x^4-125*x+65*x^3-130*x^2+3*x^5)/(x+1)/(x^2+5*x+1)/(x^2+7*x+1)/(x^2-3*x+1)$  lgdogf  
A119285 6.58755 [  $-(3*x^6+30*x^5+65*x^4-130*x^3-125*x^2-32*x)/(x^7+10*x^6+11*x^5-85*x^4-85*x^3+11*x^2+10*x+1)$  lgdogf]  
A119286 9.22672 [  $-x^*(x^4-7*x^3-16*x^2+7*x+1)/(x-1)/(x^2+4*x-1)/(x^2-11*x-1)/(x^2-x-1)$  ogf]  
A119287 6.63859 [  $-x^*(x+1)*(x^4+11*x^3-64*x^2+11*x+1)/(x^2+18*x+1)/(x^2+3*x+1)/(x^2-7*x+1)/(x-1)^2$  ogf]  
A119303 14.0056 [  $(3*x-1)/(x^3-2*x^2+x-1)$  ogf]  
A119303 15.6139  $-(2+4*x-9*x^2+6*x^3)/(3*x-1)/(x^3-2*x^2+x-1)$  lgdogf  
A119303 6.62767 [  $\{a(n+3)-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = -2, a(2) = -4\}$ , ogf]  
A119303 9.27874 [  $-(-6*x^3+9*x^2-4*x-2)/(-3*x^4+7*x^3-5*x^2+4*x-1)$  lgdogf]  
A119306 12.2534 [  $-(4*x-1)/(x^4-3*x^3+3*x^2-x+1)$  ogf]  
A119306 13.0822  $-(-3-6*x+21*x^2+12*x^4-28*x^3)/(-1+4*x)/(x^4-3*x^3+3*x^2-x+1)$  lgdogf  
A119306 7.40059 [  $-((12*x^4-28*x^3+21*x^2-6*x-3)/(4*x^5-13*x^4+15*x^3-7*x^2+5*x-1))$  lgdogf]  
A119309 16.9128 [  $12/(-24*x+1)$  lgdogf]  
A119309 18.3812  $(-12*x+(144*x^2+1)^(1/2))*x$  revogf  
A119309 38.1764  $-12/(-1+24*x)$  lgdogf  
A119309 4.74191 [  $\{(-n-2)*a(n+2)+(36+24*n)*a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A119327 13.5039  $-(1+8*x-12*x^2+8*x^4)/(x-1)/(8*x^4-16*x^3+12*x^2-4*x+1)$  lgdogf  
A119327 7.80998 [  $-(8*x^4-16*x^3+12*x^2-4*x+1)/(x-1)^5$  ogf]  
A119327 8.23443 [  $-(-8*x^4+12*x^2-8*x-1)/(-8*x^5+24*x^4-28*x^3+16*x^2-5*x+1)$  lgdogf]  
A119330 13.1300  $-2*(-1+4*x-6*x^2+x^4)/(x-1)/(x^4+4*x^3-6*x^2+4*x-1)$  lgdogf  
A119330 7.50949 [  $-(-2*x^4+12*x^2-8*x+2)/(-x^5-3*x^4+10*x^3-10*x^2+5*x-1)$  lgdogf]  
A119330 9.90383 [  $-(x-1)^2/(x^4+4*x^3-6*x^2+4*x-1)$  ogf]  
A119332 14.9395 [  $-(x+1)/(2*x^4-1)$  ogf]  
A119332 22.4813  $-(1+6*x^4+8*x^3)/(x+1)/(2*x^4-1)$  lgdogf  
A119332 9.00765 [  $-(6*x^4+8*x^3+1)/(2*x^5+2*x^4-x-1)$  lgdogf]  
A119336 7.60372 [  $-(x-1)^4/(2*x-1)/(x^2-x+1)/(3*x^2-3*x+1)$  ogf]  
A119336 9.29677  $-2*(-1+6*x+3*x^5-15*x^2-15*x^4+20*x^3)/(x-1)/(-1+2*x)/(x^2-x+1)/(3*x^2-3*x+1)$  lgdogf  
A119349 3.59677 [  $(4227858432*x^8-33554432*x^7-1048576*x^6-524288*x^5-2048*x^4-1024*x^3-32*x^2-16*x-1)/(16*x-1)/(16*x+1)/(256*x^2+1)/(65536*x^4+1)$  ogf]  
A119370 16.1316  $-1/2*(-1-x^2+(1-2*x^2+x^4+4*x^3)^(1/2))/x$  revogf  
A119370 8.43034 [  $1/2/x+1/2*x-1/2*(x^4+4*x^3-2*x^2+1)^(1/2)/x$  revogf]  
A119371 11.0318  $-1/2*(-1+4*x-2*x^2+(1-4*x+4*x^2-4*x^3+4*x^4)^(1/2))/(x-1)$  revogf  
A119371 6.65196 [  $-1/2*(-2*x^2+(4*x^4-4*x^3+4*x^2-4*x+1)^(1/2)+4*x-1)/(x-1)$  revogf]  
A119407 8.17212 [  $-1/(x^4+x^3+x^2+x-1)/(x-1)^2$  ogf]  
A119407 8.61605  $-(-3+x+x^2+6*x^4+x^3)/(x-1)/(x^4+x^3+x^2+x-1)$  lgdogf  
A119412 12.8487 [  $2*x*(5*x-6)/(x-1)^3$  ogf]  
A119412 14.8641 [  $-(-10*x+13)/(-5*x^2+11*x-6)$  lgdogf]  
A119412 29.8634  $-(-13+10*x)/(x-1)/(5*x-6)$  lgdogf  
A119412 6.70859 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 12, a(2) = 26\}$ , ogf]  
A119413 17.2046 [  $-(-3*x-5)/(-3*x^2+2*x+1)$  lgdogf]

A119413 17.9526 [  $4*(3*x+1)/(x-1)^2$  ogf]  
A119413 26.1271  $-(-2-x+2*(1+4*x)^(1/2))/(-12+x)$  revogf  
A119413 36.8154  $-(5+3*x)/(3*x+1)/(x-1)$  lgdogf  
A119413 9.94964 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 4, a(1) = 20\}$ , ogf]  
A119428 9.50133 [  $-(2*x^7-x^6+x^5-x^4+x^3+x^2+x+1)/(-x^8-x^6-x^4-x^2-1)$   
ogf\_with\_Euler\_transform]  
A119490 6.75896  $8-12*f(x)+6*f(x)^2-f(x)^3$  lgdegf  
A119515 12.1687  $-(-8+8*x+3*x^2+2*x^3)/(x+1)/(x^3+2*x^2+3*x-1)$  lgdogf  
A119515 5.56900 [  $x*(x^3+2*x^2+3*x-1)/(x+1)^5$  ogf]  
A119516 11.0159 [  $x*(7*x^3+7*x^2+9*x+1)/(5*x^4+10*x^2+1)$  ogf]  
A119516 9.97719  $-(-9+6*x+70*x^5+69*x^2+65*x^4+20*x^3+35*x^6)/(5*x^4+10*x^2+1)/$   
 $(7*x^3+7*x^2+9*x+1)$  lgdogf  
A119518 4.19380 [  $(2*x^13+8*x^12-6*x^11-6*x^10-24*x^9+18*x^8+10*x^7+22*x^6-15*x^5+11*x^4-7*x^3+3*x$   
 $^2+x+1)/(x^2+x+1)^3/(x-1)^4$  ogf]  
A119536 10.3148 [  $6*x*(x^2+x+1)/(x-1)^4$  ogf]  
A119536 24.7356  $-(5+5*x+2*x^2)/(x-1)/(x^2+x+1)$  lgdogf  
A119536 29.8984 [  $[-x^2+5]$  ogf\_with\_Euler\_transform]  
A119536 4.56352 [  $\{(-3-n)*a(n+4)+5*a(n+3)+5*a(n+2)+(n+2)*a(n+1), a(0) = 0, a(1) =$   
 $6, a(2) = 30, a(3) = 90\}$ , ogf]  
A119537 17.0561  $3*x*(-2+686*x^4-3*x-90*x^3)/(1-3*x^2-3*x^3-54*x^5+343*x^6)$   
lgdogf  
A119576 15.2283  $-2*(7+4*x+12*x^2)/(-1+4*x)/(4*x^2+1)$  lgdogf  
A119577 14.8954  $-2*(7+4*x+12*x^2)/(-1+4*x)/(4*x^2+1)$  lgdogf  
A119578 22.7073  $-3*(-3+2*x)/(-1+4*x)/(x-1)$  lgdogf  
A119578 3.97127 [  $\{(-2-n)*a(n+3)+(14+5*n)*a(n+2)+(-6-4*n)*a(n+1), a(0) = 0, a(1)$   
 $= 2, a(2) = 18\}$ , ogf]  
A119579 23.3017  $-3*(-3+2*x)/(-1+4*x)/(x-1)$  lgdogf  
A119579 4.07362 [  $\{(-2-n)*a(n+3)+(14+5*n)*a(n+2)+(-6-4*n)*a(n+1), a(0) = 0, a(1)$   
 $= 4, a(2) = 36\}$ , ogf]  
A119580 13.7055  $-6*(-3-6*x+2*x^2)/(-1+4*x)/(2*x^2-4*x-1)$  lgdogf  
A119581 20.5714  $-4*(-2+3*x)/(-1+4*x)/(-1+2*x)$  lgdogf  
A119581 3.98582 [  $\{(-2-n)*a(n+3)+(14+6*n)*a(n+2)+(-12-8*n)*a(n+1), a(0) = 0, a(1)$   
 $= 3, a(2) = 24\}$ , ogf]  
A119582 13.4059  $-6*(-3-6*x+2*x^2)/(-1+4*x)/(2*x^2-4*x-1)$  lgdogf  
A119583 7.52816 [  $x^3*(2*x^10+5*x^8+3*x^7+x^6-2*x^5-2*x^4-2*x^3+x^2+x+1)/$   
 $(x^4-x^2+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A119587 8.53857  $-(1-2*x+12*x^5-3*x^2-21*x^4+14*x^3)/(x-1)/(-1+2*x)/(3*x^2-3*x$   
 $+1)/(x^2+x-1)$  lgdogf  
A119587 8.79666 [  $-x*(3*x^2-3*x+1)/(2*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A119610 13.4552  $-(-2+12*x^5-5*x^4)/(x-1)/(-1+2*x)/(x^4+x^3+x^2+x+1)$  lgdogf  
A119610 17.0751 [  $1/(2*x-1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A119617 11.1084  $-(7+43*x+x^5+58*x^2+13*x^4+58*x^3)/(x-1)/(x+1)/$   
 $(x^4+6*x^3+16*x^2+6*x+1)$  lgdogf  
A119617 8.55334 [  $-(x^4+6*x^3+16*x^2+6*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A119620 16.0959 [  $-(x^3-x^2+1)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A119633 7.30339 [  $-(729*x^3+513*x^2-105*x-1)/(9*x+1)/(3*x-1)/(27*x-1)/(x+1)$  ogf]  
A119635 15.8108  $-2*(5+10*x+8*x^2)/(-1+2*x)/(4*x^2+2*x+1)$  lgdogf  
A119635 3.72916 [  $\{(-n-4)*a(n+4)+10*a(n+3)+20*a(n+2)+(24+8*n)*a(n+1), a(0) = 4,$   
 $a(1) = 40, a(2) = 240, a(3) = 1088\}$ , ogf]  
A119635 8.83759 [  $4*(4*x^2+2*x+1)/(2*x-1)^4$  ogf]  
A119651 8.44925  $(-10-10*x-3*x^5+5*x^7-12*x^2-7*x^4-12*x^3+x^6)/(x-1)/$   
 $(x^7+2*x^6+3*x^5+4*x^4+4*x^3+4*x^2+2*x+4)$  lgdogf  
A119651 8.70922 [  $(x^7+2*x^6+3*x^5+4*x^4+4*x^3+4*x^2+2*x+4)/(x-1)^2$  ogf]  
A119652 10.6721 [  $(2*x^5+4*x^4+5*x^3+5*x^2+5*x+4)/(x-1)^2$  ogf]  
A119652 10.8922  $(-13-15*x+6*x^5-15*x^2-2*x^4-11*x^3)/(x-1)/$   
 $(2*x^5+4*x^4+5*x^3+5*x^2+5*x+4)$  lgdogf  
A119692 3.13004 [  $\{(16*n^2+64*n+60)*a(n+1)+(4*n^2+18*n+20)*a(n+2)+(-$   
 $n^2-5*n-6)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 6\}$ , ogf]  
A119693 3.38625 [  $\{(16*n^2+64*n+60)*a(n+1)+(4*n^2+18*n+20)*a(n+2)+(-$   
 $n^2-5*n-6)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 3\}$ , ogf]

A119694 4.18994 [ {(16\*n^2+64\*n+60)\*a(n+1)+(4\*n^2+22\*n+30)\*a(n+2)+(-n^2-7\*n-12)\*a(n+3), a(0) = 0, a(1) = 1, a(2) = 2}, ogf]  
A119701 3.43572 [ {(16\*n^2+64\*n+60)\*a(n+1)+(4\*n^2+14\*n+10)\*a(n+2)+(-n^2-3\*n-2)\*a(n+3), a(0) = 0, a(1) = 2, a(2) = 12}, ogf]  
A119749 10.3020 [ (x^2+1)/(x^4-x^3-2\*x^2-x+1) ogf]  
A119749 11.1168 [ (-1-6\*x+2\*x^5-2\*x^2-x^4+4\*x^3)/(x^2+1)/(x^4-x^3-2\*x^2-x+1) lgdogf]  
A119771 18.4527 -4\*(4+17\*x+9\*x^2)/(x-1)/(9\*x+1)/(x+1) lgdogf  
A119771 3.48316 [ {(n+3)\*a(n+4)+(2+9\*n)\*a(n+3)+(-69-n)\*a(n+2)+(-36-9\*n)\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 16, a(3) = 90}, ogf]  
A119771 7.45320 [ x\*(x+1)\*(9\*x+1)/(x-1)^6 ogf]  
A119797 7.26686 [ -x\*(x^17-4\*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A119826 13.9951 [ -(x^2+x+1)/(2\*x^3+2\*x^2+2\*x-1) ogf]  
A119826 15.0017 [ -(3+6\*x+6\*x^2+2\*x^4+4\*x^3)/(x^2+x+1)/(2\*x^3+2\*x^2+2\*x-1) lgdogf]  
A119826 7.62233 [ {-a(n+3)+2\*a(n+2)+2\*a(n+1)+2\*a(n), a(0) = 1, a(1) = 3, a(2) = 9}, ogf]  
A119827 10.7490 [ x^3/(2\*x^3+2\*x^2+2\*x-1)^2 ogf]  
A119827 18.4197 -4\*(1+2\*x+3\*x^2)/(2\*x^3+2\*x^2+2\*x-1) lgdogf  
A119827 3.45306 [ {(2\*n+8)\*a(n+1)+(2\*n+6)\*a(n+2)+(2\*n+4)\*a(n+3)+(-n-1)\*a(n+4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1}, ogf]  
A119837 11.9439 1/9+4/9\*x-2/9\*x^2-1/9\*((4\*x^2-8\*x+1)\*(x-1)^2)^(1/2) revogf  
A119837 27.6882 -12\*x/(6\*x-1)/(-1+4\*x) lgdegf  
A119837 3.32452 [ {(48\*n^2+168\*n+144)\*a(n+1)+(-4\*n^2-38\*n-60)\*a(n+2)+(n+3)\*a(n+3), a(0) = 1, a(1) = 0, a(2) = -12}, ogf]  
A119852 10.6439 [ x^3/(x^3-3\*x+1)^2 ogf]  
A119852 24.8456 -6\*(x-1)\*(x+1)/(1-3\*x+x^3) lgdogf  
A119852 4.08352 [ {(n+4)\*a(n+1)+(-3\*n-6)\*a(n+3)+(n+1)\*a(n+4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1}, ogf]  
A119886 8.84656 [ -(576\*x^4-5050\*x^3-2396\*x^2-59\*x-1)/(4\*x+1)/(2\*x+1)/(2\*x-1)/(4\*x-1) ogf]  
A119902 7.24456 [ -(110001\*x^4+480010\*x^3+9985\*x^2-509990\*x-100016)/(x+1)/(x^2+1)/(x-1)^2 ogf]  
A119910 16.8371 [ (2\*x+1)/(x^2-x+1) ogf]  
A119910 23.7447 -1/2\*(-1-x+(1+10\*x-3\*x^2)^(1/2))/(-2+x) revogf  
A119910 28.0619 [ -(3+2\*x+2\*x^2)/(2\*x+1)/(x^2-x+1) lgdogf]  
A119910 9.23988 [ {-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 3}, ogf]  
A119915 10.3554 [ -x\*(x-1)\*(x+1)/(x^2+2\*x-1)^2 ogf]  
A119915 17.9218 -2\*(-2-x+x^3)/(x-1)/(x+1)/(x^2+2\*x-1) lgdogf  
A119916 10.8425 [ -x\*(x-1)/(x+1)/(3\*x-1)^2 ogf]  
A119916 16.4424 -2\*(-2-3\*x+3\*x^2)/(x-1)/(3\*x-1)/(x+1) lgdogf  
A119916 5.56779 [ {-a(n+3)+5\*a(n+2)-3\*a(n+1)-9\*a(n), a(0) = 0, a(1) = 1, a(2) = 4}, ogf]  
A119975 9.75568 1/2/(2+7\*x+14\*x^2)\*(-1-2\*x-4\*x^2+((8\*x^2+4\*x+1)\*(1+4\*x)^2)^(1/2)) revogf  
A119976 3.43162 [ {(-4\*n^2-24\*n-32)\*a(n+1)+(-4\*n^2-26\*n-42)\*a(n+2)+(n^2+7\*n+12)\*a(n+3), a(0) = 1, a(1) = 3, a(2) = 12}, ogf]  
A119976 9.45546 1/2/(8\*x^2+4\*x+1)\*(-8\*x^2-4\*x-1+((8\*x^2+4\*x+1)\*(1+4\*x)^2)^(1/2)) revogf  
A119996 10.8060 [ (x^2-2\*x-1)/(x-1)/(x+1)/(x^2-3\*x+1) ogf]  
A119996 9.36210 [ -(5+2\*x+2\*x^5+6\*x^2-9\*x^4+8\*x^3)/(x-1)/(x+1)/(x^2-3\*x+1)/(x^2-2\*x-1) lgdogf]  
A119997 10.1682 [ -(x^3+2\*x-1)/(x-1)/(x^2-3\*x+1)/(x^2-x-1) ogf]  
A119997 7.66351 [ -(1+2\*x+8\*x^5+2\*x^7-26\*x^2-34\*x^4+54\*x^3-5\*x^6)/(x-1)/(x^2-3\*x+1)/(x^2-x-1)/(x^3+2\*x-1) lgdogf]  
A120009 16.6941 -1/2\*(-1-5\*x+(-(4\*x-1)\*(x-1)^2)^(1/2))/(2+x)^2 revogf  
A120009 3.90008 [ {(16\*n^2+72\*n+80)\*a(n+1)+(-8\*n^2-54\*n-80)\*a(n+2)+(n^2+9\*n+18)\*a(n+3), a(0) = 1, a(1) = 1, a(2) = 1}, ogf]  
A120010 11.9007 1/2/(x^2-x-1)\*(x^2-x-1+(-(3\*x^2-3\*x+1)\*(x^2-x-1))^(1/2)) revogf  
A120012 12.6574 -1/2\*(-3-29\*x-36\*x^2+3\*(-(4\*x-1)\*(x+1)^2)^(1/2))/(9\*x+4)^2 revogf

A120017 9.06727  $1/2/(-1-2*x+2*x^2)*(-1-2*x+2*x^2+(-(-1-2*x+2*x^2)*(2*x^2-2*x+1))^{1/2})$  revogf  
A120018 9.12568  $1/2/(-1-3*x+3*x^2)*(-1-3*x+3*x^2+(-(x^2-x+1)*(-1-3*x+3*x^2))^{1/2})$  revogf  
A120030 14.1642  $[-(-6*x^3-4*x^2-10*x-4)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A120054 11.3715  $[-256/(x-1)^5$  ogf]  
A120054 6.36389  $[{(-n-2)*a(n+2)+(6+n)*a(n+1), a(0) = 256, a(1) = 1280},$  ogf]  
A120054 85.0243  $-5/(x-1)$  lgdogf  
A120071 10.7540  $[x*(19*x-21)/(x-1)^3$  ogf]  
A120071 21.4973  $-2*(-22+19*x)/(x-1)/(19*x-21)$  lgdogf  
A120071 5.61493  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 21, a(2) = 44},$  ogf]  
A120096 11.3350  $[-(27*x^2-18*x-1)/(x-1)/(3*x+1)/(9*x-1)$  ogf]  
A120096 6.29721  $[{-a(n+3)+7*a(n+2)+21*a(n+1)-27*a(n), a(0) = 1, a(1) = 25, a(2) = 169},$  ogf]  
A120118 5.42877  $[-(x^2+x+1)*(x^7+x^5+x^4-x^3-x^2-2)/(x^{10}+x^8-2*x^5-x^3-x+1)$  ogf]  
A120212 5.11156  $[-(x+1)*(2*x^7-4*x^6+4*x^5-5*x^4+5*x^3-4*x^2+4*x-3)/(x-1)^2$  ogf]  
A120215 7.35524  $[-(5501*x^6+8955*x^5-2002*x^4-2002*x^3-2002*x^2-7503*x-1057)/(x^4+x^3+x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A120217 5.48830  $[-(550001*x^6+890055*x^5-200002*x^4-200002*x^3-200002*x^2-750003*x-100057)/(x^4+x^3+x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A120262 3.78946  $[-(6*x^5+x^4-4*x^3+3*x-1)/(x^3-3*x+1)/(4*x^3-2*x+1)$  ogf]  
A120275 11.1388  $[ (4*x^7-4*x^6+4*x^4-4*x^3+2*x-5)/(x-1)$  ogf]  
A120278 3.25633  $[{(-4*n-18)*a(n+1)+(9*n+41)*a(n+2)+(-6*n-28)*a(n+3)+(n+5)*a(n+4), a(0) = 2, a(1) = 10, a(2) = 38, a(3) = 136},$  ogf]  
A120297 6.83843  $-(5-10*x+12*x^5+2*x^7-10*x^2-10*x^4+22*x^3-9*x^6)/(x-1)/(x^2-3*x+1)/(x^2+x-1)/(x^3-2*x^2-1)$  lgdogf  
A120297 7.84358  $[-(x^3-2*x^2-1)/(x-1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A120304 4.52778  $[{(4*n^2+14*n+12)*a(n+1)+(-5*n^2-19*n-16)*a(n+2)+(n^2+5*n+4)*a(n+3), a(0) = -1, a(1) = -1, a(2) = 0},$  ogf]  
A120323 7.62226  $-(1+18*x^5+6*x^9+3*x^8+3*x^2+12*x^3+5*x^6)/(x-1)/(x+1)/(1+x+x^2)/(x^2-x+1)/(3*x^4+x^3+x+3)$  lgdogf  
A120323 9.59846  $[-x*(3*x^4+x^3+x+3)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A120324 7.22163  $-2*x*(4+2*x^2+3*x^4+8*x^6+x^8)/(x-1)/(x+1)/(1+x+x^2)/(x^2-x+1)/(x^4+4*x^2+1)$  lgdogf  
A120324 8.06309  $[-x*(x^4+4*x^2+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A120325 10.6359  $[-x^2*(x^2+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A120325 11.2548  $-2*x*(1+3*x^4+2*x^6)/(x-1)/(x+1)/(1+x^2)/(1+x+x^2)/(x^2-x+1)$  lgdogf  
A120325 15.7512  $[[x^5-x^3+x]$  ogf\_with\_Euler\_transform]  
A120328 13.3177  $[-(5*x^2-x+2)/(x-1)^3$  ogf]  
A120328 24.9057  $-(5+8*x+5*x^2)/(x-1)/(5*x^2-x+2)$  lgdogf  
A120328 7.18922  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 5, a(2) = 14},$  ogf]  
A120346 21.9939  $-x*(1+x^2)*(x^2+x-1)/(x+1)$  revogf  
A120348 48.6760  $x*(x-1)^4$  reveg  
A120353 12.7047  $[{a(n+1)-9*a(n), a(0) = 121},$  ogf]  
A120353 25.4094  $[-121/(9*x-1)$  ogf]  
A120353 5.76305  $9*(4322241+3837708963*x^2-14819112*x+686*x^11+6174*x^12)/(3971080971*x^2+4322241-53719281*x+686*x^11-34539380667*x^3)$  lgdogf  
A120354 13.7701  $[{a(n+1)-3*a(n), a(0) = 11},$  ogf]  
A120354 27.5685  $-1/3*\ln(11)+1/3*\ln(11+3*x)$  reveg  
A120354 28.0698  $[-11/(3*x-1)$  ogf]  
A120354 65.1620  $-3/(-1+3*x)$  lgdogf  
A120367 5.07602  $[(x^{29}+2*x^{27}+2*x^{24}-8*x^{21}-6*x^{13}-4*x^{11}-4*x^8-x^5-x^3-1)/(2*x^{24}-4*x^8-1)/(x-1)^2$  ogf]  
A120370 13.9664  $[(x^{17}+x^5-x+2)/(x-1)^2$  ogf]  
A120370 15.4426  $(-3+x+3*x^5-17*x^{16}-5*x^4+15*x^{17})/(x-1)/(x^{17}+x^5-x+2)$  lgdogf

A120391 6.68274  $-(1+8*x-22*x^5-4*x^7+8*x^9+3*x^8+8*x^2-23*x^4-8*x^3-x^6)/(x^3-2*x^2-x+1)/(x^3+2*x^2-x-1)/(4*x^4+x^3-x^2+x+1)$  lgdogf  
A120391 8.61649  $[-x*(4*x^4+x^3-x^2+x+1)/(x^3-2*x^2-x+1)/(x^3+2*x^2-x-1)$  ogf]  
A120400 17.1132  $-(1+2*x+6*x^5)/(x+1)/(x^5-x^4+x^3-x^2+2*x-1)$  lgdogf  
A120400 18.7203  $[-1/(x+1)/(x^5-x^4+x^3-x^2+2*x-1)$  ogf]  
A120413 12.8843  $[2*x*(x^2-2*x-1)/(x+1)/(x-1)^3$  ogf]  
A120413 18.3485  $-2*(-2-3*x-2*x^2+x^3)/(x-1)/(x+1)/(x^2-2*x-1)$  lgdogf  
A120415 19.9399  $[-1/(x^6+x^3+x-1)$  ogf]  
A120415 23.3232  $-(1+3*x^2+6*x^5)/(-1+x+x^3+x^6)$  lgdogf  
A120446 18.7408  $-(1+4*x^3+6*x^5)/(x+1)/(x^2-x+1)/(x^3+x-1)$  lgdogf  
A120446 19.5670  $[-1/(x+1)/(x^2-x+1)/(x^3+x-1)$  ogf]  
A120452 12.6836  $[-(x^6-x^5-x^3+x+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A120461 12.4037  $[-x*(x-4)/(2*x-1)/(x^2-x-1)$  ogf]  
A120461 14.8216  $-(3+24*x-27*x^2+4*x^3)/(x-4)/(-1+2*x)/(x^2-x-1)$  lgdogf  
A120461 6.36947  $[{-a(n+3)+a(n+2)+3*a(n+1)-2*a(n), a(0) = 0, a(1) = 4, a(2) = 3},$  ogf]  
A120462 11.7608  $[-2*x*(4*x^2-2*x-3)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A120462 8.72853  $-2*(1+11*x+16*x^5+5*x^2-12*x^4-24*x^3)/(x-1)/(2*x+1)/(-1+2*x)/(x+1)/(4*x^2-2*x-3)$  lgdogf  
A120463 10.3410  $-(1-8*x-10*x^2+17*x^4+12*x^3+6*x^6)/(x-1)/(x+1)/(3*x^2-1)/(2*x^3+x+1)$  lgdogf  
A120463 12.0430  $[x*(2*x^3+x+1)/(x-1)/(x+1)/(3*x^2-1)$  ogf]  
A120464 10.4119  $[x*(x+2)/(2*x^3-x^2-5*x+1)$  ogf]  
A120464 12.9824  $-(4*x+11)*(x-1)*(x+1)/(x+2)/(2*x^3-x^2-5*x+1)$  lgdogf  
A120464 5.29893  $[{a(n+3)-5*a(n+2)-a(n+1)+2*a(n), a(0) = 0, a(1) = 2, a(2) = 11},$  ogf]  
A120465 12.1699  $[-(36*x+1)/(204*x^2-1)$  ogf]  
A120465 12.4796  $1/24*(-1+(1+144*x+816*x^2)^(1/2))/(3+17*x)$  revogf  
A120465 12.7840  $-12*(3+34*x+612*x^2)/(36*x+1)/(204*x^2-1)$  lgdogf  
A120465 7.99219  $[{a(n+2)-204*a(n), a(0) = 1, a(1) = 36},$  ogf]  
A120468 7.51072  $-2*(6+71*x+81*x^5+60*x^2-162*x^4-144*x^3)/(x-1)/(3*x-1)/(3*x+1)/(x+1)/(9*x^2-12*x-8)$  lgdogf  
A120468 9.85472  $[-2*x*(9*x^2-12*x-8)/(x-1)/(3*x-1)/(3*x+1)/(x+1)$  ogf]  
A120470 13.0361  $[-(20*x+7)/(2*x+1)/(4*x-1)$  ogf]  
A120470 13.0511  $-2*(17+56*x+80*x^2)/(-1+4*x)/(2*x+1)/(20*x+7)$  lgdogf  
A120470 13.3477  $1/8*(-7-2*x+(49+108*x+36*x^2)^(1/2))/(5+2*x)$  revogf  
A120470 7.22484  $[{a(n+2)-2*a(n+1)-8*a(n), a(0) = 7, a(1) = 34},$  ogf]  
A120471 17.6994  $[-6*x/(x+1)/(3*x-1)$  ogf]  
A120471 20.1595  $1/3*(-3-x+(9+6*x+4*x^2)^(1/2))/x$  revogf  
A120471 26.8793  $-2*(3*x+1)/(x+1)/(3*x-1)$  lgdogf  
A120471 8.08491  $[{-a(n+2)+2*a(n+1)+3*a(n), a(0) = 0, a(1) = 6},$  ogf]  
A120477 19.3894  $[-(6+5*x)/(-x+1)$  ogf\_with\_Euler\_transform]  
A120478 12.9903  $-(21-14*x+21*x^2+2*x^4)/(x-1)/(2*x^4-4*x^3+11*x^2-9*x+6)$  lgdogf  
A120478 7.72697  $[-(2*x^4-4*x^3+11*x^2-9*x+6)/(x-1)^5$  ogf]  
A120507 12.9877  $[2+x^3*(x-1)+x^19*(x-1)$  ogf\_with\_Euler\_transform]  
A120529 10.8399  $[1+x^3*(x-1)+x^19*(x-1)$  ogf\_with\_Euler\_transform]  
A120537 6.14215  $-(11+22*x+48*x^5+2*x^7+16*x^2-52*x^4-14*x^3-15*x^6)/(x-1)/(x^2-3*x+1)/(x^2+x-1)/(x^3-4*x^2+6*x+1)$  lgdogf  
A120537 7.23301  $[(x^3-4*x^2+6*x+1)/(x-1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A120571 15.2244  $-(15+20*x+24*x^2+x^4)/(x-1)/(x^4-2*x^3+10*x^2+3)$  lgdogf  
A120571 8.00814  $[-4*(x^4-2*x^3+10*x^2+3)/(x-1)^5$  ogf]  
A120573 11.9907  $-2*(5+20*x+26*x^2+x^4+8*x^3)/(x-1)/(x^4+4*x^3+10*x^2+4*x+1)$  lgdogf  
A120573 6.73882  $[6*(x^4+4*x^3+10*x^2+4*x+1)/(x-1)^6$  ogf]  
A120580 17.9902  $[-(2*x-1)/(4*x^2-2*x+1)$  ogf]  
A120580 19.5366  $-1/4*(-1-2*x+(-(2*x+1)*(6*x-1))^(1/2))/(2*x+1)$  revogf  
A120580 27.2328  $-8*x*(x-1)/(-1+2*x)/(4*x^2-2*x+1)$  lgdogf  
A120580 9.99454  $[{-a(n+2)+2*a(n+1)-4*a(n), a(0) = 1, a(1) = 0},$  ogf]  
A120582 12.3786  $[-(2*x-1)*(2*x+1)^2/(16*x^4-4*x^2+1)$  ogf]  
A120582 12.7098  $-2*(1-2*x+32*x^5-4*x^2+16*x^4-24*x^3)/(2*x+1)/(-1+2*x)/(16*x^4-4*x^2+1)$  lgdogf

A120588 15.9636  $-1/2*(1-4*x+3*(1-4*x)^(1/2))/(x+2)/(-1+4*x)$  lgdogf  
A120588 7.28919  $[ \{ (-4*n+2)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 1 \}, ogf]$   
A120589 17.2398  $-(1-4*x+3*(1-4*x)^(1/2))/(x+2)/(-1+4*x)$  lgdogf  
A120589 3.93986  $[ \{ (-4*n^2-2*n)*a(n+1)+(-7*n^2-26*n-24)*a(n+2)+(2*n^2+10*n+12)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 3 \}, ogf]$   
A120590 3.15679  $[ \{ (27*n^2+54*n+24)*a(n+1)+(162*n^2+567*n+486)*a(n+2)+(-13*n^2-65*n-78)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 3 \}, ogf]$   
A120592 3.17008  $[ \{ (-108*n^2-216*n-96)*a(n+1)+(-216*n^2-756*n-648)*a(n+2)+(17*n^2+85*n+102)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 6 \}, ogf]$   
A120612 15.5448  $[ (x-1)/(3*x+1)/(5*x-1)$  ogf]  
A120612 18.0089  $-(1-30*x+15*x^2)/(x-1)/(3*x+1)/(5*x-1)$  lgdogf  
A120612 8.61519  $[ \{-a(n+2)+2*a(n+1)+15*a(n), a(0) = 1, a(1) = 1 \}, ogf]$   
A120617 12.3423  $[ \{-a(n+2)-4*a(n), a(0) = 1, a(1) = -2 \}, ogf]$   
A120617 19.2660  $[ -(2*x-1)/(4*x^2+1)$  ogf]  
A120617 21.9934  $-1/4*(-1+(1-16*x^2-8*x)^(1/2))/(2*x+1)$  revogf  
A120617 23.2152  $-2*(-1-4*x+4*x^2)/(-1+2*x)/(4*x^2+1)$  lgdogf  
A120634 12.3548  $-2*(-3-2*x+2*x^5-x^2+3*x^4-16*x^3+x^6)/(x-1)/(x+1)/(x^2+1)/(x^3+x^2+x-7)$  lgdogf  
A120634 12.3613  $[ -x*(x^3+x^2+x-7)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A120655 4.34538  $[ \{ a(n+4)-4*a(n+3)-4*a(n+2)+16*a(n+1), a(0) = 1, a(1) = 11, a(2) = 100, a(3) = 368 \}, ogf]$   
A120655 7.16217  $(-11-112*x+408*x^2+592*x^4-256*x^3)/(x-1)/(2*x+1)/(-1+2*x)/(-1+4*x)/(60*x^2+8*x+1)$  lgdogf  
A120655 8.32864  $[ -(x-1)*(60*x^2+8*x+1)/(2*x+1)/(2*x-1)/(4*x-1)$  ogf]  
A120656 10.0705  $[ -2*x*(3*x+1)*(x-2)/(x-1)/(3*x-1)/(2*x+1)$  ogf]  
A120656 10.0750  $-(9+14*x-5*x^2+18*x^4-60*x^3)/(x-1)/(x-2)/(3*x-1)/(2*x+1)/(3*x+1)$  lgdogf  
A120656 4.99738  $[ \{ a(n+4)-2*a(n+3)-5*a(n+2)+6*a(n+1), a(0) = 0, a(1) = 4, a(2) = 18, a(3) = 50 \}, ogf]$   
A120657 5.64817  $[ 2*x*(128*x^4+294*x^3-257*x^2-59*x-6)/(x-1)/(4*x-1)/(2*x-1)/(3*x+1)/(x+1)$  ogf]  
A120658 6.15022  $[ 2*x*(70*x^3+13*x^2-30*x-6)/(2*x+1)/(x-1)/(10*x^3-3*x^2-4*x+1)$  ogf]  
A120659 2.82841  $[-1/2*(4783*x^2+(-9568*x^5-3*x^4-6*x^3-x^2+2*x+1)^(1/2)-4785*x+1)/(2392*x^3-4783*x^2+2393*x-1)$  ogf\_with\_Euler\_transform]  
A120662 4.00160  $[ \{ a(n+4)-6*a(n+3)-a(n+2)+30*a(n+1), a(0) = 0, a(1) = 12, a(2) = 173, a(3) = 861 \}, ogf]$   
A120662 6.65718  $-(173-354*x+155*x^2+5670*x^4-6060*x^3)/(3*x-1)/(5*x-1)/(2*x+1)/(189*x^2-101*x-12)$  lgdogf  
A120662 7.72139  $[ -x*(189*x^2-101*x-12)/(3*x-1)/(2*x+1)/(5*x-1)$  ogf]  
A120663 4.77045  $[ x*(129444*x^4-124633*x^3+38216*x^2+2476*x+67)/(x-1)/(6*x-1)/(4*x-1)/(2*x-1)/(3*x+1)/(x+1)$  ogf]  
A120664 4.71964  $[ \{ a(n+4)-8*a(n+3)+19*a(n+2)-12*a(n+1), a(0) = 0, a(1) = 2, a(2) = 4, a(3) = 18 \}, ogf]$   
A120664 9.02750  $-2*(1-7*x+27*x^2+72*x^4-72*x^3)/(x-1)/(3*x-1)/(-1+4*x)/(12*x^2-6*x+1)$  lgdogf  
A120664 9.16568  $[ -2*x*(12*x^2-6*x+1)/(x-1)/(3*x-1)/(4*x-1)$  ogf]  
A120665 12.1825  $-6*x*(3-10*x+4*x^2)/(6*x-1)/(-1+2*x)/(x^2-4*x+1)$  lgdogf  
A120665 13.3568  $[ -x*(6*x-1)/(2*x-1)/(x^2-4*x+1)$  ogf]  
A120665 6.92126  $[ \{-a(n+3)+6*a(n+2)-9*a(n+1)+2*a(n), a(0) = 0, a(1) = -1, a(2) = 0 \}, ogf]$   
A120689 11.0785  $-1/32*(-3-10*x+(6*x+1)^(1/2)*(3+2*x)^(1/2)*3^(1/2))/x$  revogf  
A120689 15.2859  $[ 3*x/(8*x-1)/(2*x-1)$  ogf]  
A120689 19.5721  $-2*(-5+16*x)/(-1+8*x)/(-1+2*x)$  lgdogf  
A120689 7.18253  $[ \{ a(n+2)-10*a(n+1)+16*a(n), a(0) = 0, a(1) = 3 \}, ogf]$   
A120691 5.53543  $[ -(x^6-x^4-3*x^3+2*x^2+x+2)/(x-1)/(x^2+x+1)^2$  ogf]  
A120691 8.62280  $(1-x-x^5+x^7+x^8+2*x^2-10*x^4-x^3+2*x^6)/(x-1)/(x^2+x+1)/(x^6-x^4-3*x^3+2*x^2+x+2)$  lgdogf  
A120694 13.0543  $[ -(25*x-1)/(49*x-1)/(x-1)$  ogf]  
A120694 7.37182  $[ \{ a(n+2)-50*a(n+1)+49*a(n), a(0) = 1, a(1) = 25 \}, ogf]$   
A120701 7.85061  $[ -(x^8-2*x^7-3*x^6-3*x^5-3*x^4-3*x^3-3*x^2-4*x-2)/$



$(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A120711 5.63128  $-2*(8+75*x-364*x^5+168*x^7+193*x^2-385*x^4+52*x^3+106*x^6)/(x-1)/(2*x+1)/(x+1)/(6*x^2+2*x-1)/(14*x^3+2*x^2-16*x-7)$  lgdogf  
A120711 7.08152  $[-2*x*(14*x^3+2*x^2-16*x-7)/(x-1)/(2*x+1)/(x+1)/(6*x^2+2*x-1)$  ogf]  
A120714 6.08648  $-(-21-190*x+368*x^5-472*x^2+322*x^4-280*x^3+72*x^6)/(4*x^2+14*x+7)/(6*x^3+10*x^2+2*x-1)/(x^2-x-1)$  lgdogf  
A120714 7.05485  $[2*x*(4*x^2+14*x+7)/(x^2-x-1)/(6*x^3+10*x^2+2*x-1)$  ogf]  
A120717 6.14774  $[-x*(378*x^3+287*x^2-134*x-67)/(2*x+1)/(3*x-1)/(10*x^2+5*x-1)$  ogf]  
A120718 17.3839  $[3*x/(x+1)/(x^2-3*x+1)$  ogf]  
A120718 23.3961  $-(-2-4*x+3*x^2)/(x+1)/(x^2-3*x+1)$  lgdogf  
A120718 7.04753  $[{-a(n+3)+2*a(n+2)+2*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 6},$  ogf]  
A120719 6.00666  $[-2*x*(60*x^3-315*x^2-727*x+305)/(x-1)/(x^2+3*x+1)/(x^2-7*x+1)$  ogf]  
A120723 5.84062  $-(-11-82*x+272*x^5-127*x^2+580*x^4+280*x^3+192*x^6)/(x-1)/(2*x+1)/(3*x+1)/(16*x^2+6*x+1)/(2*x^2+3*x-1)$  lgdogf  
A120723 7.69981  $[(3*x+1)*(16*x^2+6*x+1)/(2*x+1)/(x-1)/(2*x^2+3*x-1)$  ogf]  
A120727 14.0213  $[-(101*x+110)/(x^2+x-1)$  ogf]  
A120727 14.6399  $1/2/(101+x)*(-110-x+(12100+624*x+5*x^2)^(1/2))$  revogf  
A120727 16.0342  $-(211+220*x+101*x^2)/(101*x+110)/(x^2+x-1)$  lgdogf  
A120727 7.98886  $[{a(n+2)-a(n+1)-a(n), a(0) = 110, a(1) = 211},$  ogf]  
A120740 12.8685  $[x*(4*x^3+x+4)/(x+1)/(x-1)^2$  ogf]  
A120740 17.9189  $-(5+13*x+14*x^2+4*x^3)/(x-1)/(x+1)/(4*x^3+x+4)$  lgdogf  
A120741 16.8683  $[3*x/(7*x-1)/(x-1)$  ogf]  
A120741 24.5997  $-2*(-4+7*x)/(7*x-1)/(x-1)$  lgdogf  
A120741 7.70527  $[{a(n+2)-8*a(n+1)+7*a(n), a(0) = 0, a(1) = 3},$  ogf]  
A120743 13.3549  $[-(10*x-1)/(10*x^2-2*x+1)$  ogf]  
A120743 15.4046  $-1/20*(-1-2*x+(1-36*x-36*x^2)^(1/2))/(x+1)$  revogf  
A120743 15.4046  $-4*(5*x+1)*(5*x-2)/(10*x-1)/(10*x^2-2*x+1)$  lgdogf  
A120743 7.56243  $[{-a(n+2)+2*a(n+1)-10*a(n), a(0) = 1, a(1) = -8},$  ogf]  
A120747 9.03304  $[x*(x^2-x-1)/(x^5-x^4-4*x^3+3*x^2+3*x-1)$  ogf]  
A120748 4.02167  $[-x*(x^2-2*x-1)/(x^4-x^3-3*x^2-x+1)$  ogf]  
A120756 4.28917  $[{-a(n+4)+9*a(n+3)+225*a(n+2)+567*a(n+1), a(0) = 1, a(1) = 91, a(2) = 1410, a(3) = 33543},$  ogf]  
A120756 7.91846  $[(189*x^3-366*x^2-82*x-1)/(9*x+1)/(3*x+1)/(21*x-1)$  ogf]  
A120757 11.0395  $[-x*(x+2)/(x^3+4*x^2+3*x-1)$  ogf]  
A120757 13.4722  $-(7+16*x+10*x^2+2*x^3)/(x+2)/(x^3+4*x^2+3*x-1)$  lgdogf  
A120757 5.66895  $[{a(n+3)-3*a(n+2)-4*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 7},$  ogf]  
A120758 11.0228  $[(3*x+1)/(x^3-7*x^2-3*x+1)$  ogf]  
A120758 11.6703  $-2*(-3-7*x-9*x^2+3*x^3)/(3*x+1)/(x^3-7*x^2-3*x+1)$  lgdogf  
A120758 5.16997  $[{-a(n+3)+3*a(n+2)+7*a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 25},$  ogf]  
A120763 3.70025  $[(6399360*x^6-6120600*x^5-181640*x^4-60700*x^3-12138*x^2-24285*x+2)/(12143*x-1)/(x-1)$  ogf]  
A120765 3.83130  $[{(-2*n-4)*a(n+1)+(-4*n-9)*a(n+2)+(-2*n-4)*a(n+3)+a(n+4), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 5},$  ogf]  
A120771 11.7962  $[-(x^8-x^5-x^4+x^3-1)/(x^9-x^6-2*x^3+1)$  ogf]  
A120771 8.28825  $-x^2*(6*x^3-12*x^5+11*x^8+2*x^7-12*x^6-2*x^11+5*x^2+4*x+6*x^9-2*x^4-5*x^10+3*x^14)/(x^8-x^5-x^4+x^3-1)/(x^9-x^6-2*x^3+1)$  lgdogf  
A120775 11.8320  $[-(3*x+1)/(x+1)/(x^2+4*x-1)$  ogf]  
A120775 12.8033  $-2*(3+5*x+9*x^2+3*x^3)/(3*x+1)/(x+1)/(x^2+4*x-1)$  lgdogf  
A120775 5.54954  $[{-a(n+3)+3*a(n+2)+5*a(n+1)+a(n), a(0) = 1, a(1) = 6, a(2) = 23},$  ogf]  
A120844 14.5876  $[-(x+3)/(-x^2+2*x-1)$  ogf\_with\_Euler\_transform]  
A120845 7.51280  $-2*(5-42*x+75*x^5+126*x^2-3*x^4-141*x^3)/(x-1)/(3*x-1)/(-1+2*x)/(25*x^3-13*x^2-4*x+2)$  lgdogf  
A120845 8.04469  $[(25*x^3-13*x^2-4*x+2)/(3*x-1)/(2*x-1)/(x-1)^2$  ogf]

A120846 8.04215  $-2*(3-24*x+3*x^5+72*x^2+45*x^4-95*x^3)/(x-1)/(3*x-1)/(-1+2*x)/(x^3+7*x^2-8*x+2)$  lgdogf  
A120846 8.20711  $[(x^3+7*x^2-8*x+2)/(3*x-1)/(2*x-1)/(x-1)^2$  ogf]  
A120848 7.34967  $-2*(-2+15*x+33*x^5-45*x^2-69*x^4+72*x^3)/(x-1)/(3*x-1)/(-1+2*x)/(11*x^3-17*x^2+10*x-2)$  lgdogf  
A120848 7.86712  $[-(11*x^3-17*x^2+10*x-2)/(3*x-1)/(2*x-1)/(x-1)^2$  ogf]  
A120849 8.33566  $[x*(31*x^2-27*x+6)/(3*x-1)/(2*x-1)/(x-1)^2$  ogf]  
A120849 8.54151  $-(15-127*x+421*x^2+372*x^4-641*x^3)/(x-1)/(3*x-1)/(-1+2*x)/(31*x^2-27*x+6)$  lgdogf  
A120892 11.7216  $[-(3*x-1)/(x+1)/(x^2-4*x+1)$  ogf]  
A120892 16.0944  $-6*x*(x-1)^2/(3*x-1)/(x+1)/(x^2-4*x+1)$  lgdogf  
A120892 5.59679  $[{-a(n+3)+3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = 3},$  ogf]  
A120893 10.6065  $[-(x^2+2*x-1)/(x+1)/(x^2-4*x+1)$  ogf]  
A120893 11.7430  $-(1+4*x-6*x^2+x^4+4*x^3)/(x+1)/(x^2-4*x+1)/(x^2+2*x-1)$  lgdogf  
A120893 5.77674  $[{-a(n+3)+3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 5},$  ogf]  
A120908 16.5774  $[4*x/(3*x-1)^2$  ogf]  
A120908 28.7538  $x/(1+(3*x+1)^{(1/2)})^2$  revogf  
A120908 54.8936  $-6/(-1+3*x)$  lgdogf  
A120908 7.57240  $[{a(n+2)-6*a(n+1)+9*a(n), a(0) = 0, a(1) = 4},$  ogf]  
A120925 11.4267  $[-(x^2-x+1)/(2*x^3-2*x^2+3*x-1)$  ogf]  
A120925 13.1454  $-(x^2-2*x+2)*(2*x^2+1)/(x^2-x+1)/(2*x^3-2*x^2+3*x-1)$  lgdogf  
A120925 6.22349  $[{a(n+3)-3*a(n+2)+2*a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 5},$  ogf]  
A120926 14.5515  $[(x-1)^2/(3*x-1)^2$  ogf]  
A120926 50.5362  $4/(3*x-1)/(x-1)$  lgdogf  
A120926 7.48764  $[{a(n+3)-6*a(n+2)+9*a(n+1), a(0) = 1, a(1) = 4, a(2) = 16},$  ogf]  
A120928 3.32362  $[{(2*n^2+6*n)*a(n)+(-4*n^2-26*n-26)*a(n+1)+(3*n^2+31*n+62)*a(n+2)+(-3*n-9)*a(n+3), a(0) = 2, a(1) = 8, a(2) = 44},$  ogf]  
A120928 7.95295  $[1/3*(x^4-4*x^3+6*x^2+6)/(x-1)^4$  egf]  
A120940 10.6524  $[x*(2*x+1)/(x+1)/(x^2+x-1)^2$  ogf]  
A120940 17.0416  $-(3+9*x+15*x^2+8*x^3)/(2*x+1)/(x+1)/(x^2+x-1)$  lgdogf  
A120948 6.97281  $-2*(4-51*x+420*x^5+237*x^2+75*x^4-429*x^3)/(x-1)/(3*x-1)/(5*x-1)/(56*x^3-23*x^2-2*x+1)$  lgdogf  
A120948 7.28602  $[2*(56*x^3-23*x^2-2*x+1)/(5*x-1)/(3*x-1)/(x-1)^2$  ogf]  
A120949 7.31295  $-(5-57*x+165*x^5+240*x^2+195*x^4-420*x^3)/(x-1)/(3*x-1)/(5*x-1)/(11*x^3+x^2-5*x+1)$  lgdogf  
A120949 7.37381  $[2*(11*x^3+x^2-5*x+1)/(5*x-1)/(3*x-1)/(x-1)^2$  ogf]  
A120950 7.01848  $-(3+27*x+285*x^5-84*x^2-225*x^4+128*x^3)/(x-1)/(3*x-1)/(5*x-1)/(19*x^3-17*x^2+7*x-1)$  lgdogf  
A120950 7.24923  $[-2*(19*x^3-17*x^2+7*x-1)/(5*x-1)/(3*x-1)/(x-1)^2$  ogf]  
A120969 7.51772  $[2*x*(61*x^2-34*x+5)/(5*x-1)/(3*x-1)/(x-1)^2$  ogf]  
A120969 8.10354  $-2*(8-91*x+433*x^2+915*x^4-1009*x^3)/(x-1)/(3*x-1)/(5*x-1)/(61*x^2-34*x+5)$  lgdogf  
A120978 7.66891  $[4*x*(8*x^2-5*x+1)/(5*x-1)/(3*x-1)/(x-1)^2$  ogf]  
A120978 8.64595  $-(5-43*x+151*x^2+240*x^4-289*x^3)/(x-1)/(3*x-1)/(5*x-1)/(8*x^2-5*x+1)$  lgdogf  
A120984 43.5051  $x/(1+3*x^2+x^3)$  revogf  
A120985 47.9152  $x/(1+3*x+x^3)$  revogf  
A120989 3.81046  $[{(-4*n^2-26*n-42)*a(n+1)+(-19*n^2-182*n-423)*a(n+2)+(5*n^2+55*n+120)*a(n+3), a(0) = 2, a(1) = 9, a(2) = 34},$  ogf]  
A120990 10.2324  $-(-23+169*x-397*x^2+315*x^3)/(x-1)/(7*x-3)/(3*x-1)/(5*x-1)$  lgdogf  
A120990 7.99549  $[-4*x^2*(7*x-3)/(5*x-1)/(3*x-1)/(x-1)^2$  ogf]  
A121005 5.07533  $[-(244140625*x^4+390625*x^3+15625*x^2+125*x+1)/(125*x-1)/(244140625*x^4+1953125*x^3+15625*x^2+125*x+1)$  ogf]  
A121013 4.42149  $[(2853116706110*x^6-214358881*x^4-1)/(121*x-1)/(214358881*x^4+1)$  ogf]  
A121023 4.92126  $[-3*(8*x^20+x^19-8*x^18-x^17+5*x^15+4*x^14-5*x^12-4*x^11+2*x^9+7*x^8-2*x^6-7*x^5+8*x^2-8*x-1)/(x-1)^2$

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ogf]
A121025 16.1147 [-x^11+x^10+x^5-x^4-x+3 ogf_with_Euler_transform]
A121025 5.69461 [ 5*(x+1)*(x^2+1)*(x^4+x^3+x^2+x+1)*(x^4-x^2+1)/
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]
A121054 22.7198 [-(4+x)/(-x-1) ogf_with_Euler_transform]
A121055 20.3006 [-(4+x)/(-x-1) ogf_with_Euler_transform]
A121133 6.86217 (-1+2*x+20*x^5-8*x^7+16*x^8+7*x^2+20*x^4-26*x^3-28*x^6)/
(-1+2*x)/(2*x^2-1)/(2*x^6+2*x^5-5*x^3+3*x-1) lgdogf
A121133 9.33448 [ (2*x^6+2*x^5-5*x^3+3*x-1)/(2*x^2-1)/(2*x-1)^2 ogf]
A121134 4.46272 [ (8*x^9+4*x^8-18*x^7-10*x^6+20*x^5+8*x^4-13*x^3-x^2+4*x-1)/
(2*x^2-1)^2/(2*x-1)^3 ogf]
A121135 4.37081 [ (16*x^10-40*x^8+8*x^7+30*x^6-18*x^4-2*x^3+12*x^2-6*x+1)/
(2*x^2-1)^2/(2*x-1)^4 ogf]
A121138 6.81788 [ (16*x^6+24*x^5+30*x^4-30*x^3-7*x^2+7*x-1)/(2*x-1)/(2*x+1)/
(4*x-1)^2 ogf]
A121173 11.0420 [ 2*(2*x+1)/(2*x^2-1)/(x-1)/(x+1)^2 ogf]
A121173 12.6540 -(-1-5*x-10*x^2+16*x^4+6*x^3)/(x-1)/(2*x+1)/(x+1)/(2*x^2-1)
lgdogf
A121199 6.15252 -2*(6-113*x+3570*x^5+789*x^2+1505*x^4-2301*x^3)/(x-1)/(-1+4*x)/
(7*x-1)/(5*x-1)/(51*x^2-2*x-1) lgdogf
A121199 6.87255 [ 2*(4*x-1)*(51*x^2-2*x-1)/(7*x-1)/(5*x-1)/(x-1)^2 ogf]
A121200 6.65331 -(7-111*x+1015*x^5+628*x^2+1085*x^4-1472*x^3)/(x-1)/(7*x-1)/
(5*x-1)/(29*x^3+x^2-7*x+1) lgdogf
A121200 7.03816 [ 2*(29*x^3+x^2-7*x+1)/(7*x-1)/(5*x-1)/(x-1)^2 ogf]
A121201 6.57683 -(-5+65*x+1435*x^5-248*x^2-315*x^4+220*x^3)/(x-1)/(7*x-1)/
(5*x-1)/(41*x^3-25*x^2+9*x-1) lgdogf
A121201 6.95437 [ -2*(41*x^3-25*x^2+9*x-1)/(7*x-1)/(5*x-1)/(x-1)^2 ogf]
A121202 7.08746 [ 2*x*(211*x^2-74*x+7)/(7*x-1)/(5*x-1)/(x-1)^2 ogf]
A121202 7.24284 -2*(12-197*x+1407*x^2+7385*x^4-5151*x^3)/(x-1)/(7*x-1)/(5*x-1)/
(211*x^2-74*x+7) lgdogf
A121203 7.31868 [ 4*x*(18*x^2-7*x+1)/(7*x-1)/(5*x-1)/(x-1)^2 ogf]
A121203 8.01674 -(7-77*x+337*x^2+1260*x^4-951*x^3)/(x-1)/(7*x-1)/(5*x-1)/
(18*x^2-7*x+1) lgdogf
A121204 7.66907 [ -4*x^2*(17*x-5)/(7*x-1)/(5*x-1)/(x-1)^2 ogf]
A121204 9.33096 -(-53+547*x-1703*x^2+1785*x^3)/(x-1)/(7*x-1)/(5*x-1)/(17*x-5)
lgdogf
A121205 10.7720 [ -6*(43*x^2-98*x+57)/(x-1)^3 ogf]
A121205 17.2455 -(73-110*x+43*x^2)/(x-1)/(43*x^2-98*x+57) lgdogf
A121205 6.11628 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 342, a(1) = 438, a(2) =
546}, ogf]
A121213 14.8250 [ 2*x/(7*x-1)/(5*x-1) ogf]
A121213 16.2625 -1/35*(-1-6*x+(1+12*x+x^2)^(1/2))/x revogf
A121213 20.3282 -2*(-6+35*x)/(7*x-1)/(5*x-1) lgdogf
A121213 6.96598 [{a(n+2)-12*a(n+1)+35*a(n), a(0) = 0, a(1) = 2}, ogf]
A121230 5.88729 -
(5+34*x-114*x^5-12*x^7+4*x^9-8*x^8+33*x^2+97*x^4-80*x^3+52*x^6)/(x^3-x-1)/(x^3-
x^2+2*x-1)/(2*x^4-2*x^3-4*x^2+8*x-13) lgdogf
A121230 6.59719 [ -x*(2*x^4-2*x^3-4*x^2+8*x-13)/(x^3-x-1)/(x^3-x^2+2*x-1) ogf]
A121257 10.5912 [ -4*(x-1)/(x^2-3*x+1)^2 ogf]
A121257 20.1180 -(5-7*x+3*x^2)/(x-1)/(x^2-3*x+1) lgdogf
A121257 3.25075 [{(-n-4)*a(n+4)+(17+4*n)*a(n+3)+(-15-4*n)*a(n+2)+(n+4)*a(n+1),
a(0) = 4, a(1) = 20, a(2) = 76, a(3) = 260}, ogf]
A121260 5.62219 [ -x^2*(x^30+x^26+x^24-x^22-x^16-x^14-2*x^12-x^10-2*x^8-2*x^6-
x^4-x^2-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^3+1)/(x^6-x^3+1)/(x-1)^2 ogf]
A121262 18.5779 a(n+4)-a(n), a(0)=0, a(1)=0, a(2)=0, a(3)=4 lgdogf
A121262 19.7773 [ -1/(x^2+1)/(x-1)/(x+1) ogf]
A121262 29.0079 [[x^3] ogf_with_Euler_transform]
A121273 11.5325 [ (2*x^4-2*x^3+2*x^2-2*x-1)/(x-1) ogf]
A121273 11.8276 (3-4*x+8*x^2+6*x^4-12*x^3)/(x-1)/(2*x^4-2*x^3+2*x^2-2*x-1)
lgdogf
A121302 7.77513 -(-1+x-19*x^5+14*x^2+37*x^4-38*x^3+4*x^6)/(x-1)/(-1+2*x)/

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$(x^2-3x+1)/(x^3-x^2-2x+1)$  lgdogf  
A121302 7.84047 [  $-(2x-1)(x-1)^2/(x^2-3x+1)/(x^3-x^2-2x+1)$  ogf]  
A121311 14.4189 [  $-(5x^2+x+1)/(x^3-2x^2+x-1)$  ogf]  
A121311 17.6573  $-(2+6x-4x^2+5x^4+2x^3)/(5x^2+x+1)/(x^3-2x^2+x-1)$  lgdogf  
A121311 7.85313 [  $\{a(n+3)-a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A121318 10.4285 [  $2x(x+1)(x^2-2x+2)/(x-1)^4$  ogf]  
A121318 18.7535  $-(8-2x+x^2+x^3)/(x-1)/(x+1)/(x^2-2x+2)$  lgdogf  
A121318 4.88001 [  $\{(-19n^2-58n)a(n)+(40n^2+61n-96)a(n+1)+(-21n^2+3n+24)a(n+2), a(0) = 0, a(1) = 4\}$ , ogf]  
A121320 3.59708 [  $\{(-4n-2)a(n)+(-3n-1)a(n+1)+(5n+3)a(n+2)+(-n-1)a(n+3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$ , ogf]  
A121323 5.81223 [  $\{-a(n+1)+(2n+7)a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 5\}$ , ogf]  
A121324 5.98932 [  $(100x^4-320x^3+51x^2-3x+1)/(10x-1)^2/(x-1)^2$  ogf]  
A121324 7.02967  $(19+29x-870x^2+1000x^4+2900x^3)/(x-1)/(10x-1)/(100x^4-320x^3+51x^2-3x+1)$  lgdogf  
A121351 4.97242 [  $\{-a(n+1)+(3n+10)a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 7\}$ , ogf]  
A121353 6.19630 [  $\{a(n+1)+(-3n-7)a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A121354 6.32432 [  $\{-a(n+1)+(3n+8)a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 5\}$ , ogf]  
A121363 4.81747 [-  
 $(2x^{17}+2x^{16}+x^{15}+x^{13}+2x^{12}+x^{11}+2x^{10}+x^9+2x^8+x^7+2x^6+x^5+2x^4+x^3+x+2)/(-x^{18}+1)$  ogf\_with\_Euler\_transform]  
A121364 10.9128  $-2*(1+x-5x^5+2x^7-2x^4-x^3-x^6)/(x^2+x-1)/(x^2-x-1)/(x^4+x^2-1)$  lgdogf  
A121364 9.50429 [  $-x^2(x^2-x-1)/(x^2+x-1)/(x^4+x^2-1)$  ogf]  
A121365 7.24248 [  $-(8x^3-15x^2+7x-1)/(3x-1)^2/(x-1)^2$  ogf]  
A121365 8.58368  $-(-1+2x)*(12x^3-23x^2+8x-1)/(x-1)/(3x-1)/(8x^3-15x^2+7x-1)$  lgdogf  
A121373 10.1851 [  $-(-x^3+x^2-2x+1)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A121381 8.73740 [  $x*(3x^6+3x^5+3x^4+3x^3+3x^2+3x+4)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A121401 10.5537  $-(3-14x+26x^2+3x^4-14x^3)/(x-1)/(x-2)/(3x-1)/(x^2-4x+1)$  lgdogf  
A121401 10.7648 [  $-(3x-1)(x-2)/(x-1)/(x^2-4x+1)$  ogf]  
A121401 5.86296 [  $\{-a(n+3)+5a(n+2)-5a(n+1)+a(n), a(0) = 2, a(1) = 3, a(2) = 8\}$ , ogf]  
A121442 13.1834 [  $-(x-1)(x+1)/(x^3-9x^2-x+1)$  ogf]  
A121442 13.2864  $-(1+16x-2x^2+x^4)/(x-1)/(x+1)/(x^3-9x^2-x+1)$  lgdogf  
A121442 6.70939 [  $\{-a(n+3)+a(n+2)+9a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 9\}$ , ogf]  
A121443 14.2343 [  $-(-4x^3+x^2-2x-1)/(x^4+x^2+1)$  ogf\_with\_Euler\_transform]  
A121444 7.56760 [  $-(2x^4+x^3+x^2+x+1)/(-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A121446 23.0639  $x-1-(x-1)^{2/3}*(-1)^{1/3}$  revogf  
A121446 4.01528 [  $\{(-27n^3-27n^2-6n)a(n)+(-23n^3-125n^2-218n-120)a(n+1)+(4n^3+26n^2+54n+36)a(n+2), a(0) = 3, a(1) = 3\}$ , ogf]  
A121449 10.2171  $-(-1+2x+2x^2+2x^4-6x^3)/(x-1)/(-1+2x)/(x^3+3x^2-4x+1)$  lgdogf  
A121449 12.8800 [  $(2x-1)(x-1)/(x^3+3x^2-4x+1)$  ogf]  
A121449 7.01497 [  $\{-a(n+3)+4a(n+2)-3a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A121450 6.07343 [  $-(-2x^9-x^8+x^7-x^6-x^5+x^3-x^2-x-1)/(x^{10}-x^8+x^6-x^4+x^2-1)$  ogf\_with\_Euler\_transform]  
A121451 15.1654 [  $-x*(5x^3+2)/(2x^2-1)$  ogf]  
A121451 17.3094  $x*(-8-15x+10x^3)/(-1+2x^2)/(5x^3+2)$  lgdogf  
A121451 6.43814 [  $\{a(n+3)-2a(n+1), a(0) = 0, a(1) = 2, a(2) = 0, a(3) = 4, a(4) = 5\}$ , ogf]

A121452 8.61833  $(-n^2-7*n-12)*a(n+1)+(n^2+7*n+10)*a(n+3), a(0)=1, a(1)=0, a(2)=3/2$   
lgdegf  
A121453 10.5365 [  $3*(4*x^3+x^2+2*x+3)/(x^2+1)/(x-1)^2$  ogf]  
A121453 12.7932  $-2*(4-x+2*x^5+11*x^2+3*x^4+x^3)/(x-1)/(1+x^2)/(4*x^3+x^2+2*x+3)$   
lgdogf  
A121453 4.04852 [  $\{(5*n+17)*a(n+1)+(-5*n-12)*a(n+2)+(5*n+17)*a(n+3)+(-5*n-12)*a(n+4), a(0) = 9, a(1) = 24, a(2) = 33, a(3) = 48\}$ , ogf]  
A121455 10.2230 [  $-(-4*x^5-4*x^4+2*x^3-2*x-4)/(x^6-x^4+x^2-1)$   
ogf\_with\_Euler\_transform]  
A121456 8.75952 [  $-(4*x^{11}+2*x^{10}+4*x^8+2*x^7+2*x^6+2*x^4+2*x^3+4*x^2+2)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]  
A121458 10.0133  $-(-1-38*x-42*x^2+14*x^4-14*x^3)/(x-1)/(2*x+1)/(7*x^3+21*x^2-1)$   
lgdogf  
A121458 10.9202 [  $(2*x+1)*(x-1)/(7*x^3+21*x^2-1)$  ogf]  
A121458 6.59759 [  $\{a(n+3)-21*a(n+1)-7*a(n), a(0) = 1, a(1) = 1, a(2) = 19\}$ , ogf]  
A121470 11.6620 [  $-(x^3+2*x^2+5*x+1)/(x+1)/(x-1)^3$  ogf]  
A121470 14.0943  $-(7+18*x+22*x^2+x^4+6*x^3)/(x-1)/(x+1)/(x^3+2*x^2+5*x+1)$  lgdogf  
A121471 12.2959 [  $-(2*x^3+5*x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A121471 14.1161  $-(3+16*x+19*x^2+2*x^4+14*x^3)/(x-1)/(x+1)/(2*x^3+5*x^2+x+1)$   
lgdogf  
A121482 7.19665  $-x*(x-1)*(x+1)*(4*x^6+6*x^5-8*x^4-3*x^3+6*x^2+x-2)/(2*x^2-1)/(x^2+x-1)/(x^6-4*x^4-2*x^3+4*x^2+x-1)$  lgdogf  
A121482 7.69732 [  $-(2*x^2-1)*(x^2+x-1)/(x^6-4*x^4-2*x^3+4*x^2+x-1)$  ogf]  
A121483 5.61410 [  $-(x-1)*(3*x^4-6*x^3+3*x-1)/(x+1)/(x^2+x-1)/(x^2-3*x+1)^2$  ogf]  
A121483 5.90255  $-(2-6*x-54*x^5+27*x^7+6*x^9-21*x^8+x^2+33*x^4+x^3+9*x^6)/(x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)/(3*x^4-6*x^3+3*x-1)$  lgdogf  
A121485 7.35724  $-(1+2*x+14*x^5-12*x^7+4*x^9-3*x^2-8*x^3+4*x^6)/(x-1)/(x+1)/(2*x^2-1)/(x^6-4*x^4-2*x^3+4*x^2+x-1)$  lgdogf  
A121485 8.89236 [  $-(x-1)*(x+1)*(2*x^2-1)/(x^6-4*x^4-2*x^3+4*x^2+x-1)$  ogf]  
A121486 5.37600 [  $-x*(x-1)*(x^4-3*x^3+3*x^2+x-1)/(x+1)/(x^2+x-1)/(x^2-3*x+1)^2$  ogf]  
A121486 5.66653  $-(4-10*x-39*x^5+24*x^7+2*x^9-10*x^8-x^2+44*x^4-x^3-11*x^6)/(x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)/(x^4-3*x^3+3*x^2+x-1)$  lgdogf  
A121496 13.1402 [  $(x^4-x^3+x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A121496 13.4758  $-(2+2*x+x^7-x^2+4*x^4+9*x^3-x^6)/(x-1)/(x+1)/(x^2+1)/(x^4-x^3+x+1)$  lgdogf  
A121498 2.56918 [  $\{(3364*n+8410)*a(n+1)+(837*n+3354)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1) = 840, a(2) = 706442\}$ , ogf]  
A121498 6.80694  $-1/1414562*(-1-841*x-1682*x^2+(1+1682*x+710645*x^2)^{(1/2)})/x^2$  revogf  
A121499 18.7662 [  $-1/(841*x-1)$  ogf]  
A121499 24.8253  $1/841*\ln(1+841*x)$  revegf  
A121499 28.1354  $-841/(-1+841*x)$  lgdogf  
A121499 7.99300 [  $\{a(n+1)-841*a(n), a(0) = 1\}$ , ogf]  
A121509 12.0063 [  $-(3*x^3+5*x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A121509 14.5170  $-(x^2+4*x+1)*(3*x^2+4*x+3)/(x-1)/(x+1)/(3*x^3+5*x^2+x+1)$  lgdogf  
A121511 5.69021  $-(-5-21*x-15*x^5+21*x^7-49*x^2-15*x^4+55*x^3-3*x^6)/(x-1)/(x+1)/(21*x^4-12*x^3-8*x^2-4*x-1)/(x^2+1)$  lgdogf  
A121511 7.32885 [  $-(21*x^4-12*x^3-8*x^2-4*x-1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A121512 11.9010 [  $-(7*x^3-6*x^2-3*x-1)/(x^2+x+1)/(x-1)^2$  ogf]  
A121512 4.97679 [  $\{(n+7)*a(n+1)+a(n+2)+a(n+3)+(-n-6)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 10, a(3) = 4\}$ , ogf]  
A121512 8.04758  $-(-4-16*x+7*x^5+8*x^2-5*x^4-8*x^3)/(x-1)/(x^2+x+1)/(7*x^3-6*x^2-3*x-1)$  lgdogf  
A121515 10.2530 [  $-3*(23166*x^4-7758*x^3+x-1)/(9*x-1)/(3*x-1)$  ogf]  
A121517 10.1775 [  $-(x^2+3*x-1)/(x+1)/(x^2-5*x+1)$  ogf]  
A121517 11.0597  $-(1+6*x-11*x^2+x^4+6*x^3)/(x+1)/(x^2-5*x+1)/(x^2+3*x-1)$  lgdogf  
A121517 5.54310 [  $\{-a(n+3)+4*a(n+2)+4*a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 7\}$ , ogf]  
A121523 5.79218  $-(-3+7*x+29*x^5-15*x^7+15*x^8+3*x^2-17*x^4-8*x^3-10*x^6)/(x+1)/(x^2-3*x+1)/(x^2+x-1)/(5*x^4-5*x^3-x^2+3*x-1)$  lgdogf

A121523 5.80535 [ (5\*x^4-5\*x^3-x^2+3\*x-1)/(x+1)/(x^2+x-1)/(x^2-3\*x+1)^2 ogf]  
A121525 5.48732 [ x\*(2\*x^4-3\*x^3+2\*x^2+x-1)/(x+1)/(x^2+x-1)/(x^2-3\*x+1)^2 ogf]  
A121525 6.09684 -(-5+7\*x+14\*x^5-10\*x^7+6\*x^8+11\*x^2-34\*x^4+8\*x^6)/(x+1)/(x^2-3\*x+1)/(x^2+x-1)/(2\*x^4-3\*x^3+2\*x^2+x-1) lgdogf  
A121530 5.78218 [ x\*(3\*x^4-4\*x^3+x^2+2\*x-1)/(x+1)/(x^2+x-1)/(x^2-3\*x+1)^2 ogf]  
A121530 6.12529 -(-4+8\*x+23\*x^5-13\*x^7+9\*x^8+7\*x^2-28\*x^4-7\*x^3+2\*x^6)/(x+1)/(x^2-3\*x+1)/(x^2+x-1)/(3\*x^4-4\*x^3+x^2+2\*x-1) lgdogf  
A121532 5.84263 [ x^2\*(x^4-2\*x^3+3\*x^2-1)/(x+1)/(x^2+x-1)/(x^2-3\*x+1)^2 ogf]  
A121532 6.23625 -(-6+6\*x+5\*x^5-7\*x^7+3\*x^8+15\*x^2-40\*x^4+7\*x^3+14\*x^6)/(x+1)/(x^2-3\*x+1)/(x^2+x-1)/(x^4-2\*x^3+3\*x^2-1) lgdogf  
A121544 14.1444 [ -6\*(x-1)/(16\*x-1)/(4\*x-1) ogf]  
A121544 15.5529 -(19-128\*x+64\*x^2)/(x-1)/(-1+4\*x)/(16\*x-1) lgdogf  
A121544 7.73006 [{-a(n+2)+20\*a(n+1)-64\*a(n), a(0) = 6, a(1) = 114}], ogf]  
A121545 25.1699 -x\*(-1+2\*x)^2/(x-1)^3 revogf  
A121555 3.30211 [{(-n^3-7\*n^2-16\*n-12)\*a(n+1)+(2\*n^2+9\*n+8)\*a(n+2)+(-n-1)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 7}], ogf]  
A121590 14.5108 [ -(-12\*x-12)/(-x^3+1) ogf\_with\_Euler\_transform]  
A121591 14.8806 [ -(6\*x^3+6\*x^2+6\*x+6)/(x^5-1) ogf\_with\_Euler\_transform]  
A121596 16.5797 [ -(-6\*x-6)/(-x^3+1) ogf\_with\_Euler\_transform]  
A121607 15.0704 -3\*(5+15\*x+18\*x^2)/(3\*x-1)/(9\*x^2+3\*x+1) lgdogf  
A121607 3.53444 [{(-n-4)\*a(n+4)+15\*a(n+3)+45\*a(n+2)+(81+27\*n)\*a(n+1), a(0) = 6, a(1) = 90, a(2) = 810, a(3) = 5508}], ogf]  
A121607 8.09201 [ 6\*(9\*x^2+3\*x+1)/(3\*x-1)^4 ogf]  
A121613 13.3969 [ -(4\*x^3+4\*x^2+4)/(-x^4+1) ogf\_with\_Euler\_transform]  
A121621 13.9951 [ -(2\*x-1)/(13\*x^2-4\*x+1) ogf]  
A121621 16.0178 -2\*(1-13\*x+13\*x^2)/(-1+2\*x)/(13\*x^2-4\*x+1) lgdogf  
A121621 7.75634 [{a(n+2)-4\*a(n+1)+13\*a(n), a(0) = 1, a(1) = 2}], ogf]  
A121622 13.8552 [ -(3\*x-1)/(13\*x^2-6\*x+1) ogf]  
A121622 16.9198 -(3-26\*x+39\*x^2)/(3\*x-1)/(13\*x^2-6\*x+1) lgdogf  
A121622 7.67877 [{-a(n+2)+6\*a(n+1)-13\*a(n), a(0) = 1, a(1) = 3}], ogf]  
A121627 13.9769 -4\*x\*(3-6\*x+2\*x^2)/(2\*x^2-4\*x+1)/(2\*x^2-2\*x+1) lgdegf  
A121627 16.4855 -1/4\*(-1-2\*x+(1-4\*x-4\*x^2)^(1/2))/(x+1) revogf  
A121627 8.82514 [ (2\*x^2-4\*x+1)/(2\*x^2-2\*x+1)^2 egf]  
A121628 10.1772 [ 3\*x\*(x^2+10\*x+7)/(x-1)^4 ogf]  
A121628 21.1289 -2\*(19+16\*x+x^2)/(x-1)/(x^2+10\*x+7) lgdogf  
A121628 3.76005 [{(21+7\*n)\*a(n+4)+(-32+3\*n)\*a(n+3)+(-41-9\*n)\*a(n+2)+(-2-n)\*a(n+1), a(0) = 0, a(1) = 21, a(2) = 114, a(3) = 333}], ogf]  
A121629 11.2011 -(2\*(1-2\*x)^(1/2)+1)/(1-2\*x)^(1/2)/(-1+2\*x) lgdegf  
A121630 7.42221 (-9\*n-21)\*a(n+1)+(6\*n+16)\*a(n+2)+(-n-3)\*a(n+3), a(0)=4, a(1)=13, a(2)=41 lgdegf  
A121631 7.63078 (-16\*n-36)\*a(n+1)+(8\*n+21)\*a(n+2)+(-n-3)\*a(n+3), a(0)=5, a(1)=21, a(2)=173/2 lgdegf  
A121635 11.2298 [ -(x^2-x+1)/(x-1)^3 egf]  
A121635 21.8379 -(x^2+2)/(x-1)/(x^2-x+1) lgdegf  
A121638 4.49652 [{a(n+1)+(n+4)\*a(n+3)-a(n+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 7}], ogf]  
A121646 11.2059 [ -(x-1)^2/(x+1)/(x^2-3\*x+1) ogf]  
A121646 20.2038 -x\*(6-3\*x+x^2)/(x-1)/(x+1)/(x^2-3\*x+1) lgdogf  
A121646 6.15822 [{-a(n+3)+2\*a(n+2)+2\*a(n+1)-a(n), a(0) = -1, a(1) = 0, a(2) = -3}], ogf]  
A121666 13.5328 [ -(-6\*x^4-12\*x^2-6)/(x^6-1) ogf\_with\_Euler\_transform]  
A121667 12.9866 [ -(-4\*x^4-8\*x^3-8\*x-4)/(x^6-1) ogf\_with\_Euler\_transform]  
A121670 11.1311 [ -2\*x\*(x^2-5\*x+1)/(x-1)^4 ogf]  
A121670 4.16012 [{(-3-n)\*a(n+4)+(11+6\*n)\*a(n+3)+(-19-6\*n)\*a(n+2)+(n+2)\*a(n+1), a(0) = 0, a(1) = -2, a(2) = 2, a(3) = 18}], ogf]  
A121671 10.8729 -2\*(-158-173\*x+42\*x^2+2\*x^4-13\*x^3)/(x-1)/(4\*x^4-21\*x^3+49\*x^2-111\*x-41) lgdogf  
A121671 8.17970 [ (4\*x^4-61\*x^3-71\*x^2+9\*x-1)/(x-1)^5 ogf]  
A121672 6.43873 [ -2\*x\*(2\*x^4+7\*x^3-78\*x^2+7\*x+2)/(x-1)^6 ogf]  
A121672 8.58498 2\*(19-121\*x-291\*x^2+4\*x^4+29\*x^3)/(x-1)/(5\*x^6-30\*x^5+71\*x^4-114\*x^3+231\*x^2-44\*x+1) lgdogf

A121693 4.42652 [ $\{-a(n+5)+6*a(n+4)-11*a(n+3)+6*a(n+2), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 12, a(4) = 57\}$ , ogf]  
A121693 9.16923 [ $x^2*(4*x^2-6*x-1)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A121693 9.48253  $-6*(-2+5*x+4*x^2+4*x^4-12*x^3)/(x-1)/(3*x-1)/(-1+2*x)/(4*x^2-6*x-1)$  lgdogf  
A121696 3.36331 [ $\{(-n^2-8*n-15)*a(n+1)+(-n^2-8*n-16)*a(n+2)+a(n+4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 9\}$ , ogf]  
A121720 13.2006 [ $-x*(x^2-x-1)/(2*x^4-4*x^2+1)$  ogf]  
A121720 13.6966  $-(1+6*x+4*x^5+4*x^2-6*x^4-8*x^3)/(x^2-x-1)/(2*x^4-4*x^2+1)$  lgdogf  
A121724 3.58953 [ $\{(-80*n-160)*a(n+1)+(16*n+32)*a(n+2)+(5*n+25)*a(n+3)+(-n-5)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 9\}$ , ogf]  
A121724 33.9001  $x*(x+1)/(1+2*x+5*x^2)$  revogf  
A121725 3.40946 [ $\{(-360*n-720)*a(n+1)+(36*n+72)*a(n+2)+(10*n+50)*a(n+3)+(-n-5)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 10, a(3) = 19\}$ , ogf]  
A121725 31.3471  $x*(x+1)/(1+2*x+10*x^2)$  revogf  
A121735 13.2473  $2*(-1+3*x+6*x^2+x^3)/(x^2+x+1)/(3*x^4+6*x^3+8*x^2+2*x+2)$  lgdegf  
A121735 8.36399 [ $1/2*(3*x^4+6*x^3+8*x^2+2*x+2)/(x^2+x+1)^2$  egf]  
A121740 12.2925 [ $8*x/(x^2-66*x+1)$  ogf]  
A121740 19.9651  $-2*(-33+x)/(x^2+1-66*x)$  lgdogf  
A121740 5.69651 [ $\{a(n+2)-66*a(n+1)+a(n), a(0) = 0, a(1) = 8\}$ , ogf]  
A121740 9.00385  $-(-4-33*x+2*(17*x+2)^(1/2)*(8*x+1)^(1/2)*2^(1/2))/x$  revogf  
A121746 3.29140 [ $\{(n^2+9*n+20)*a(n+1)+(n^2+9*n+22)*a(n+2)-4*a(n+4)-2*a(n+3), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 3\}$ , ogf]  
A121780 4.64873 [ $x*(x^9-19*x^8+120*x^7-177*x^6+386*x^5-605*x^4+489*x^3-214*x^2+54*x-8)/(x^2-3*x+1)^5$  ogf]  
A121781 5.49457 [ $-2*x*(2*x^4-10*x^3+13*x^2-7*x+4)/(2*x-1)^5$  ogf]  
A121781 8.59884  $-(33-30*x-32*x^3+4*x^4+48*x^2)/(2*x-1)/(2*x^4-10*x^3+13*x^2-7*x+4)$  lgdogf  
A121782 19.5827  $-3*(11+8*x+x^2)/(x-1)/(x+4)/(x+1)$  lgdogf  
A121782 6.43561 [ $2*x*(x+4)*(x+1)^2/(x-1)^6$  ogf]  
A121795 6.85826 [ $-(x^8-2*x^7+2*x^6-3*x^5+3*x^4+2*x^2-x+1)*(x+1)^2/(x^12+6*x^6-1)$  ogf]  
A121798 3.71470 [ $x*(281*x^6-1829*x^5-649*x^4+2259*x^3+494*x^2-296*x-28)/(x+1)/(3*x-1)/(x^2-2*x-1)/(2*x^4-16*x^3+5*x^2+4*x-1)$  ogf]  
A121800 4.59054 [ $x*(30532*x^4+32660*x^3-14868*x^2-4058*x-159)/(14*x^2-8*x+1)/(2*x^2-1)/(2*x^2+4*x+1)$  ogf]  
A121801 11.3331 [ $-2*x*(x-3)/(x+1)/(x^2-3*x+1)$  ogf]  
A121801 13.8282  $-(5+12*x-11*x^2+2*x^3)/(x-3)/(x+1)/(x^2-3*x+1)$  lgdogf  
A121801 5.76772 [ $\{-a(n+3)+2*a(n+2)+2*a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 10\}$ , ogf]  
A121803 4.02284 [ $x*(1130*x^5-2122*x^4+331*x^3+829*x^2-236*x-28)/(x-1)/(2*x+1)/(2*x-1)/(13*x^4-19*x^3-2*x^2+6*x-1)$  ogf]  
A121804 5.22892 [ $x*(8094*x^4+45409*x^3-8931*x^2-3733*x-159)/(6*x-1)/(3*x-1)/(2*x-1)/(3*x+1)/(x+1)$  ogf]  
A121816 11.5287 [ $(x^6-8*x^2+x+9)/(x+1)/(x-1)^2$  ogf]  
A121816 11.8016  $(-10-12*x+6*x^2+8*x^3-6*x^5-x^6+3*x^7)/(x-1)/(x+1)/(x^6-8*x^2+x+9)$  lgdogf  
A121822 4.80205 [ $\{-a(n+3)+35*a(n+2)-259*a(n+1)+225*a(n), a(0) = 1, a(1) = 5, a(2) = 65\}$ , ogf]  
A121822 7.21181  $-5*(1-44*x+6705*x^4-2700*x^3+646*x^2)/(x-1)/(25*x-1)/(9*x-1)/(149*x^2-30*x+1)$  lgdogf  
A121822 8.21220 [ $-(149*x^2-30*x+1)/(x-1)/(25*x-1)/(9*x-1)$  ogf]  
A121826 5.43893  $1/11*x*(-11+2*x+412*x^2+1904*x^3+90*x^8)/(-11-9*x+414*x^2+2316*x^3+1904*x^4+90*x^8)$  revogf  
A121827 8.36954 [ $-(x^7-6*x^6-6*x^5-6*x^4-6*x^3-6*x^2-6*x-6)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A121832 18.5425  $-(x+1)*(6*x^4-x^3+x^2-x+1)/(x^5-1+x*x^6)$  lgdogf  
A121832 20.4551 [ $-1/(x^6+x^5+x-1)$  ogf]  
A121833 17.5267 [ $-1/(x+1)/(x^5-x^4+x^3+x-1)$  ogf]

A121833 19.4303  $-x*(2+6*x^4+3*x)/(x+1)/(x^5-x^4+x^3+x-1)$  lgdogf  
A121873 15.4473  $-x*(-1+x^2+x)/(x+1)^2$  revogf  
A121887 5.64356 [  
(2177213\*x^5-10324925\*x^4+19628654\*x^3-18696356\*x^2+8921273\*x-1705829)/(x-1)^6  
ogf]  
A121888 5.35805 [-  
(1387493\*x^6-7764198\*x^5+18179331\*x^4-22787908\*x^3+16122821\*x^2-6102720\*x  
+965201)/(x-1)^7 ogf]  
A121892 5.44271 [(2\*x^2-1)/(2\*x-1) egf]  
A121892 6.45124  $2*(1-2*x+2*x^2)/(2*x-1)/(2*x^2-1)$  lgdegf  
A121897 15.8172  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A121907 14.3587 [ $-(x^2+x+1)/(2*x^2+2*x-1)$  ogf]  
A121907 21.9865  $-3*(2*x+1)/(x^2+x+1)/(2*x^2+2*x-1)$  lgdogf  
A121907 7.46088 [{a(n+3)-2\*a(n+2)-2\*a(n+1), a(0) = 1, a(1) = 3, a(2) = 9}], ogf]  
A121925 6.20799  $-(91+181*x$   
 $+184*x^7+91*x^8+x^9+367*x^5+272*x^6+457*x^4+362*x^3+274*x^2)/(x-1)/$   
 $(x^4+x^3+x^2+x+1)/(x^5+45*x^4+46*x^3+45*x^2+46*x+45)$  lgdogf  
A121925 8.64236 [ $x*(x^5+45*x^4+46*x^3+45*x^2+46*x+45)/(x^4+x^3+x^2+x+1)/(x-1)^2$   
ogf]  
A121929 6.61844  $-(92+182*x$   
 $+183*x^7+90*x^8+366*x^5+271*x^6+458*x^4+363*x^3+275*x^2)/(x-1)/(x^4+x^3+x^2+x$   
 $+1)/(45*x^4+46*x^3+45*x^2+46*x+46)$  lgdogf  
A121929 9.44630 [ $x*(45*x^4+46*x^3+45*x^2+46*x+46)/(x^4+x^3+x^2+x+1)/(x-1)^2$   
ogf]  
A121948 12.7984  $(6+7*x^6-5*x^4+2*x^3+4*x^5-3*x^2-14*x^7+7*x^8)/(x-1)/(x^8-$   
 $x^7+x^5+x^3+2*x-8)$  lgdogf  
A121948 14.3666 [ $(x^8-x^7+x^5+x^3+2*x-8)/(x-1)$  ogf]  
A121953 5.26953 [{-a(n+1)+(-n-3)\*a(n+2)+a(n+4), a(0) = 0, a(1) = 1, a(2) = 1,  
a(3) = 2}], ogf]  
A121955 7.84602  $-(17+110*x-112*x^4-112*x^3+64*x^5+118*x^2)/(8*x^2-8*x-9)/$   
 $(4*x^2+2*x-1)/(x^2-x-1)$  lgdogf  
A121955 8.73066 [ $-x*(8*x^2-8*x-9)/(4*x^2+2*x-1)/(x^2-x-1)$  ogf]  
A121956 4.52898 [{a(n+1)+(n+2)\*a(n+2)-a(n+4)+a(n+3), a(0) = 0, a(1) = 1, a(2) =  
1, a(3) = 2}], ogf]  
A121957 5.05840  $-(75+306*x+92*x^7-615*x^2-2002*x^3+1701*x^4+3464*x^5-1164*x^6)/$   
 $(23*x^3-148*x^2-11*x+43)/(2*x^5-12*x^4-7*x^3+7*x^2+2*x-1)$  lgdogf  
A121957 6.48992 [ $-x*(23*x^3-148*x^2-11*x+43)/(2*x^5-12*x^4-7*x^3+7*x^2+2*x-1)$   
ogf]  
A121958 3.61546 [{a(n+1)+(n^2+5\*n+5)\*a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) =  
1}], ogf]  
A121960 6.45439 [ $-(116*x^4+71*x^3-49*x^2-30*x-1)/(2*x+1)/(4*x^2+2*x-1)/$   
 $(2*x^2-1)$  ogf]  
A121961 10.4919 [ $-1/(4*x^2+2*x-1)/(2*x+1)/(2*x^2-1)^2$  ogf]  
A121961 12.9899  $-8*x*(-3+14*x^3+12*x^2-3*x)/(2*x+1)/(4*x^2+2*x-1)/(2*x^2-1)$   
lgdogf  
A121963 6.11170  $-(2+14*x$   
 $+28*x^7-9*x^8+69*x^2+108*x^3+182*x^4+6*x^5-16*x^6+2*x^9)/(x^4-3*x^3+7*x^2+2*x$   
 $+1)/(x^6+26*x^3-1)$  lgdogf  
A121963 8.19735 [ $-x*(x^4-3*x^3+7*x^2+2*x+1)/(x^6+26*x^3-1)$  ogf]  
A121965 6.11163 [{-a(n+1)+(n+2)\*a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 1},  
ogf]  
A121966 3.70916 [{(n^2+4\*n+4)\*a(n+1)+(n^2+6\*n+10)\*a(n+2)-2\*a(n+3)+(n+4)\*a(n+4),  
a(0) = 1, a(1) = 2, a(2) = 1, a(3) = -3}], ogf]  
A121968 10.2829 [ $-(2*x^3-4*x^2+2*x-1)/(x-1)^4$  ogf]  
A121968 18.0595  $-2*(-1-x+x^3-x^2)/(x-1)/(2*x^3-4*x^2+2*x-1)$  lgdogf  
A121968 4.18934 [{(29\*n^2+187\*n+258)\*a(n+1)+(-64\*n^2-356\*n-408)\*a(n  
+2)+(35\*n^2+151\*n+138)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 6}], ogf]  
A121986 7.35226  $-(x^2-x+1)*(x^5-4*x^4-7*x^3+7*x^2-2*x+1)/(x-1)/(x^3+x^2+x-1)/$   
 $(x^4-3*x^3+2*x-1)$  lgdogf  
A121986 7.62613 [ $(x^4-3*x^3+2*x-1)/(x^3+x^2+x-1)/(x-1)^2$  ogf]  
A121988 39.8212  $-x*(x-1)*(x^2-x+1)$  revogf



A121988 4.40337 [  $\{(64n^2-4)a(n)+(-28n^2-42n-14)a(n+1)+(3n^2+9n+6)a(n+2), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A121990 10.5755  $-(13-4x+2x^4+18x^3-41x^2)/(x-1)/(x^2-3x+1)/(2x^2+9x+1)$  lgdogf  
A121990 10.7891 [  $-(2x^2+9x+1)/(x^2-3x+1)/(x-1)$  ogf]  
A121990 5.77312 [  $\{a(n+3)-4a(n+2)+4a(n+1)-a(n), a(0) = 1, a(1) = 13, a(2) = 50\}$ , ogf]  
A121991 9.12268 [  $-x(2x^2+9x+1)/(x^2+2x-1)/(x-1)^2$  ogf]  
A121991 9.40645  $-(-13-9x+31x^3+4x^4+35x^2)/(x-1)/(2x^2+9x+1)/(x^2+2x-1)$  lgdogf  
A121996 8.43343 [  $-x(x^{11}+2x^{10}-2x^8+x^5-2x^4-2x^2-x-1)/(x^2+x+1)/(x-1)^2$  ogf]  
A122006 13.3511 [  $-x(x-1)/(3x-1)/(3x^2-1)$  ogf]  
A122006 13.3894  $-2(1+3x+9x^3-15x^2)/(x-1)/(-1+3x)/(3x^2-1)$  lgdogf  
A122006 6.85595 [  $\{-a(n+3)+3a(n+2)+3a(n+1)-9a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A122007 13.1834  $-(1+6x+36x^3-33x^2)/(-1+3x)/(2x-1)/(3x^2-1)$  lgdogf  
A122007 13.4101 [  $-2x(2x-1)/(3x-1)/(3x^2-1)$  ogf]  
A122007 6.88628 [  $\{a(n+3)-3a(n+2)-3a(n+1)+9a(n), a(0) = 0, a(1) = 2, a(2) = 2\}$ , ogf]  
A122008 10.7115  $-2x(-5+9x^3-27x^2+21x)/(x-1)/(-1+3x)/(2x-1)/(3x^2-1)$  lgdogf  
A122008 12.4756 [  $(2x-1)(x-1)/(3x-1)/(3x^2-1)$  ogf]  
A122008 6.85595 [  $\{-a(n+3)+3a(n+2)+3a(n+1)-9a(n), a(0) = 1, a(1) = 0, a(2) = 5\}$ , ogf]  
A122009 5.15055 [  $\{-a(n+3)+12a(n+2)-15a(n+1)+2a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A122009 8.58478  $-(1-18x+99x^2-44x^3+12x^4)/(6x^2-11x+1)/(2x^3-15x^2+12x-1)$  lgdogf  
A122009 9.17442 [  $-(6x^2-11x+1)/(2x^3-15x^2+12x-1)$  ogf]  
A122010 4.82054 [  $\{a(n+3)-12a(n+2)+15a(n+1)-2a(n), a(0) = 0, a(1) = 1, a(2) = 7\}$ , ogf]  
A122010 9.23256 [  $x(5x-1)/(2x^3-15x^2+12x-1)$  ogf]  
A122010 9.92385  $-(-7+30x+20x^3-81x^2)/(5x-1)/(2x^3-15x^2+12x-1)$  lgdogf  
A122011 11.1889  $-(13-30x-9x^2+4x^3)/(x+1)/(2x^3-15x^2+12x-1)$  lgdogf  
A122011 4.98489 [  $\{a(n+3)-12a(n+2)+15a(n+1)-2a(n), a(0) = 0, a(1) = 1, a(2) = 13\}$ , ogf]  
A122011 9.63181 [  $-x(x+1)/(2x^3-15x^2+12x-1)$  ogf]  
A122012 10.6204  $-(3+14x-9x^4-12x^3+4x^5+9x^2)/(2x^2-3x-3)/(x^2+x-1)/(x^2-x-1)$  lgdogf  
A122012 12.0167 [  $-x(2x^2-3x-3)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A122013 5.72729 [  $-(5x^7-20x^6-2x^5+54x^4+7x^3-20x^2-8x-1)/(x^4-x^3-3x^2+x+1)/(x^4+x^3-3x^2-x+1)$  ogf]  
A122014 5.64022 [  $-(8x^7-33x^6-30x^5+88x^4+35x^3-33x^2-11x-1)/(x^4-x^3-3x^2+x+1)/(x^4+x^3-3x^2-x+1)$  ogf]  
A122015 4.65342 [  $-(21x^7+65x^6+77x^5+39x^4-17x^3-38x^2-11x-1)/(x+1)/(x^3+x^2-1)/(x^4+2x^3+x^2+x-1)$  ogf]  
A122021 4.84485 [  $\{(-n-3)a(n+1)-a(n+4)+a(n+2), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 1\}$ , ogf]  
A122023 7.07820 [  $-x(80x^5+28x^4-x^3+x^2+3x+1)/(3x^2-1)/(8x^4-7x^2+1)$  ogf]  
A122033 8.23960 [  $\{2a(n)n+a(n+2)-2a(n+1), a(0) = 1, a(1) = 2\}$ , ogf]  
A122038 4.32415 [  $\{a(n+3)-39a(n+2)+351a(n+1)-729a(n), a(0) = 36, a(1) = 864, a(2) = 21060\}$ , ogf]  
A122038 7.96003  $-6(-4+117x-1242x^2+3645x^3)/(15x-1)/(3x-1)/(9x-1)/(-1+27x)$  lgdogf  
A122038 8.79007 [  $36(15x-1)/(3x-1)/(27x-1)/(9x-1)$  ogf]  
A122039 12.0491 [  $(2x^2-1)/(2x-1)/(x-1)^2$  ogf]  
A122039 14.6318  $-2(2-5x+2x^3+2x^2)/(x-1)/(2x-1)/(2x^2-1)$  lgdogf  
A122039 6.13212 [  $\{a(n+3)-4a(n+2)+5a(n+1)-2a(n), a(0) = 1, a(1) = 4, a(2) = 9\}$ , ogf]

A122041 10.4882  $1/2*\ln(x+12)-\operatorname{arctanh}((44*x+529)^{(1/2)})-1/2*\ln(12)+\operatorname{arctanh}(23)$   
revegff  
A122041 13.8960  $[-(24*x-23)/(2*x-1)/(x-1)$  ogf]  
A122041 15.2329  $-(45-92*x+48*x^2)/(x-1)/(24*x-23)/(-1+2*x)$  lgdogf  
A122041 7.77513  $[{a(n+2)-3*a(n+1)+2*a(n), a(0) = 23, a(1) = 45},$  ogf]  
A122044 7.88513  $[{a(n)*n+a(n+3)-a(n+1), a(0) = 0, a(1) = 1, a(2) = 2},$  ogf]  
A122046 12.1309  $[x^3/(x+1)/(x^2+1)/(x-1)^4$  ogf]  
A122046 20.9896  $-a(n+4)+a(n), a(0)=3, a(1)=3, a(2)=3, a(3)=7$  lgdogf  
A122046 35.2562  $[x^3+3]$  ogf\_with\_Euler\_transform]  
A122047 12.9419  $-(3+3*x+3*x^2+3*x^3+8*x^4)/(x-1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A122047 26.0275  $[x^4+3]$  ogf\_with\_Euler\_transform]  
A122047 8.96801  $[x^2/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A122048 5.98952  $[{a(n+1)+(-n-2)*a(n+2)+a(n+4), a(0) = 0, a(1) = 1, a(2) = 2,$   
 $a(3) = 1},$  ogf]  
A122056 14.4211  $[x^7+3]$  ogf\_with\_Euler\_transform]  
A122056 4.85337  $[x^2/(x+1)/(x^2+1)/(x^4+1)/(x-1)^4$  ogf]  
A122057 4.39932  $[{(-n^2-8*n-16)*a(n+1)+(2*n+9)*a(n+2)-a(n+3), a(0) = 0, a(1) =$   
 $-2, a(2) = -14},$  ogf]  
A122058 6.91488  $-(-5-34*x+72*x^6+204*x^4+52*x^3+144*x^5-59*x^2)/(x-1)/$   
 $(6*x^3+6*x^2+4*x+1)/(12*x^3+11*x^2-1)$  lgdogf  
A122058 8.12615  $[(6*x^3+6*x^2+4*x+1)/(x-1)/(12*x^3+11*x^2-1)$  ogf]  
A122061 5.76137  $[-$   
 $(4*x^10+10*x^9+15*x^8+56*x^7+58*x^6+48*x^5+32*x^4+40*x^3+18*x^2+6*x+1)/$   
 $(x^2+1)^3/(x-1)^3/(x+1)^3$  ogf]  
A122065 5.81907  $[-$   
 $(45*x^12+61*x^11+54*x^10+141*x^9+74024*x^8-89*x^7-58*x^6-37*x^5-61*x^4-65*x^3-74$   
 $*x^2-183*x-74169)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A122068 5.43614  $[{-a(n+3)+7*a(n+2)-14*a(n+1)+7*a(n), a(0) = 1, a(1) = 3, a(2) =$   
 $10},$  ogf]  
A122068 9.19708  $-(3-22*x+56*x^2-56*x^3+21*x^4)/(x-1)/(-1+3*x)/$   
 $(7*x^3-14*x^2+7*x-1)$  lgdogf  
A122068 9.99548  $[-(3*x-1)*(x-1)/(7*x^3-14*x^2+7*x-1)$  ogf]  
A122069 16.1421  $1/18/x*(-3*x-1+(45*x^2+6*x+1)^{(1/2)})$  revogf  
A122069 17.9842  $[-1/(9*x^2+3*x-1)$  ogf]  
A122069 24.2131  $-3*(1+6*x)/(9*x^2-1+3*x)$  lgdogf  
A122069 7.23756  $[{-a(n+2)+3*a(n+1)+9*a(n), a(0) = 1, a(1) = 3},$  ogf]  
A122074 12.8886  $-1/2*(-1-7*x+(1+10*x+41*x^2)^{(1/2)})/(2*x+1)$  revogf  
A122074 15.5239  $[-(x-1)/(2*x^2-7*x+1)$  ogf]  
A122074 16.3003  $-2*(3-2*x+x^2)/(x-1)/(2*x^2-7*x+1)$  lgdogf  
A122074 8.51921  $[{a(n+2)-7*a(n+1)+2*a(n), a(0) = 1, a(1) = 6},$  ogf]  
A122088 15.3395  $[-(6*x^2-10*x-1)/(x+1)/(x-1)^2$  ogf]  
A122088 19.4644  $-(-11-x+6*x^3-14*x^2)/(x-1)/(x+1)/(6*x^2-10*x-1)$  lgdogf  
A122088 8.41638  $[{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 11, a(2) = 6},$   
ogf]  
A122089 5.76705  $[-(2*x^15-4*x^13-4*x^11-$   
 $x^10-4*x^9-2*x^8-4*x^7-2*x^6-4*x^5-2*x^4-2*x^3-2*x^2-1)/(x+1)/(x^4+x^3+x^2+x+1)/$   
 $(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A122099 15.3016  $[-(x+1)*(3*x+1)/(x^3-3*x-1)$  ogf]  
A122099 16.0209  $-(1+6*x+12*x^2+8*x^3+3*x^4)/(3*x+1)/(x+1)/(x^3-3*x-1)$  lgdogf  
A122099 8.72025  $[{a(n+3)+3*a(n+2)-a(n), a(0) = 1, a(1) = 1, a(2) = 0},$  ogf]  
A122100 14.2543  $[(3*x-1)*(x-1)/(x^3-3*x+1)$  ogf]  
A122100 15.9389  $-(-1-6*x+12*x^2-8*x^3+3*x^4)/(x-1)/(3*x-1)/(x^3-3*x+1)$  lgdogf  
A122100 8.12342  $[{a(n+3)-3*a(n+2)+a(n), a(0) = 1, a(1) = -1, a(2) = 0},$  ogf]  
A122109 10.0552  $-2*(1+6*x-8*x^3+6*x^4+3*x^2)/(x-1)/(3*x+1)/(4*x^3-9*x^2+1)$   
lgdogf  
A122109 10.2887  $[-(3*x+1)*(x-1)/(4*x^3-9*x^2+1)$  ogf]  
A122109 6.23891  $[{-a(n+3)+9*a(n+1)-4*a(n), a(0) = 1, a(1) = 2, a(2) = 6},$  ogf]  
A122112 14.6617  $[(x-1)/(4*x^2-x-1)$  ogf]  
A122112 18.2394  $1/2/(4*x-1)*(x-1+(1-6*x+17*x^2)^{(1/2)})$  revogf  
A122112 20.3852  $-2*(1-4*x+2*x^2)/(x-1)/(4*x^2-x-1)$  lgdogf  
A122112 8.04605  $[{a(n+2)+a(n+1)-4*a(n), a(0) = 1, a(1) = -2},$  ogf]

A122115 10.0167  $-( -1+14x^7+10x^8+8x^5+8x^8+7x^6+7x^2+22x^3-34x^4)/(8x^4+7x^3+5x^2+2x-3)/(x^5+x^3+x-1)$  lgdogf  
A122115 12.4559  $[-(8x^4+7x^3+5x^2+2x-3)/(x^5+x^3+x-1)]$  ogf]  
A122117 14.2659  $[(x-1)/(4x-1)/(x+1)]$  ogf]  
A122117 15.3477  $1/2/(4x-1)*(-3x-1+(25x^2+2x+1)^{1/2})$  revogf  
A122117 16.5593  $-2*(-1-4x+2x^2)/(x-1)/(-1+4x)/(x+1)$  lgdogf  
A122117 7.82885  $[{-a(n+2)+3a(n+1)+4a(n), a(0) = 1, a(1) = 2}]$ , ogf]  
A122120 12.8546  $[(x-1)/(9x^2+4x-1)]$  ogf]  
A122120 13.4829  $1/2/(-1+9x)*(-1-4x+(1+4x+52x^2)^{1/2})$  revogf  
A122120 15.3049  $-3*(-1-6x+3x^2)/(x-1)/(9x^2+4x-1)$  lgdogf  
A122120 7.05438  $[{-a(n+2)+4a(n+1)+9a(n), a(0) = 1, a(1) = 3}]$ , ogf]  
A122124 7.88256  $-(5-x+27x^4+x^9+7x^8+2x^7+14x^6-4x^3-7x^5+16x^2)/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^5+3x^4+x^3+3x^2-x+3)$  lgdogf  
A122124 7.88817  $[(x^5+3x^4+x^3+3x^2-x+3)/(x^2+x+1)/(x^2-x+1)/(x-1)^2]$  ogf]  
A122133 5.61690  $[(x^9+2x^8+5x^7+2x^6+4x^5+2x^4+x^3-x^2+x+1)/(x^2+1)^2/(x-1)^4/(x+1)^4]$  ogf]  
A122161 12.4310  $[(x^2-3x+1)/(x^3-2x^2-x+1)]$  ogf]  
A122161 16.4195  $-(2-6x+10x^2-6x^3+x^4)/(1-3x+x^2)/(x^3-2x^2-x+1)$  lgdogf  
A122161 6.77047  $[{-a(n+3)+a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = -2, a(2) = 1}]$ , ogf]  
A122164 8.14110  $(1+4x+6x^5+20x^4+12x^3+18x^6+6x^7+9x^8+3x^2+3x^{10})/(3x^5-1)/(x^6-x^5-3x^4-x^3-2x^2-x-1)$  lgdogf  
A122164 9.62212  $[x*(x^6-x^5-3x^4-x^3-2x^2-x-1)/(3x^5-1)]$  ogf]  
A122167 10.2043  $[(x^3-6x^2+5x-1)/(2x-1)/(x^3-3x^2+1)]$  ogf]  
A122167 10.3234  $-(3-18x-24x^5+51x^2+2x^6-82x^3+69x^4)/(2x-1)/(x^3-3x^2+1)/(x^3-6x^2+5x-1)$  lgdogf  
A122169 5.46501  $[(4x^7-28x^6-14x^5-7x^4-8x^3-4x^2-2x-1)/(x+1)/(x^2+1)/(8x^4-1)]$  ogf]  
A122173 6.53386  $[-(x^5+x^4-15x^3+19x^2-8x+1)/(x^6-12x^5+34x^4-30x^3+6x^2+3x-1)]$  ogf]  
A122174 7.64460  $-(4+28x+6x^7-48x^6+150x^5-96x^2+196x^3-233x^4)/(3x^3-9x^2+6x-1)/(x^5-7x^4+13x^3-5x^2-2x+1)$  lgdogf  
A122174 8.89849  $[-(3x^3-9x^2+6x-1)/(x^5-7x^4+13x^3-5x^2-2x+1)]$  ogf]  
A122186 6.80863  $[-(x^3+4x^2-7x-1)/(x+1)/(x^3+3x^2-24x+1)]$  ogf]  
A122187 4.80897  $[{a(n+3)-11a(n+2)-4a(n+1)+a(n), a(0) = 1, a(1) = 14, a(2) = 157}]$ , ogf]  
A122187 8.99744  $[-(x^2-3x-1)/(x^3-4x^2-11x+1)]$  ogf]  
A122187 9.58386  $-(14+6x+20x^2-6x^3+x^4)/(x^2-3x-1)/(x^3-4x^2-11x+1)$  lgdogf  
A122189 11.3139  $-(1+2x+7x^6+5x^4+4x^3+6x^5+3x^2)/(x^2-1+x+x^4+x^3+x^6+x^5+x^7)$  lgdogf  
A122189 9.89636  $[-x^6/(x^7+x^6+x^5+x^4+x^3+x^2+x-1)]$  ogf]  
A122190 5.83019  $[-(2x^8+x^7+x^6+2x^3+2x^2+x+1)/(-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)]$  ogf\_with\_Euler\_transform]  
A122192 6.28355  $[6*(253x^4+1288x^3+506x^2+1)/(x^6+759x^4+2576x^3+759x^2+1)]$  ogf]  
A122194 8.64531  $[-(3x^4-x^3+2x^2-2x-3)/(x-1)/(x^4+x^2-1)]$  ogf]  
A122194 8.76333  $-(5+2x+x^4+3x^8-2x^7+4x^6-6x^3-6x^5-2x^2)/(x-1)/(x^4+x^2-1)/(3x^4-x^3+2x^2-2x-3)$  lgdogf  
A122195 6.67009  $[-(3x^9+5x^8-x^6+2x^5+4x^4-x^3-2x^2-3x-8)/(x-1)/(x^8+x^4-1)]$  ogf]  
A122219 10.2195  $[-(5x^8+4x^7+5x^6+4x^5+3x^4+4x^3+5x^2+4x+5)/(x-1)/(x^2+x+1)/(x^6+x^3+1)]$  ogf]  
A122229 4.40855  $[{a(n+4)-4a(n+3)-a(n+2)+4a(n+1), a(0) = 0, a(1) = 2, a(2) = 12, a(3) = 56}]$ , ogf]  
A122229 9.02057  $[2x*(3x^2+2x+1)/(x-1)/(4x-1)/(x+1)]$  ogf]  
A122230 3.06369  $[{a(n+4)-100a(n+3)-a(n+2)+100a(n+1), a(0) = 0, a(1) = 10, a(2) = 1100, a(3) = 111000}]$ , ogf]  
A122230 5.96177  $[10x*(99x^2+10x+1)/(x-1)/(100x-1)/(x+1)]$  ogf]  
A122265 7.35432  $[-x^9/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1)]$  ogf]  
A122265 7.68709  $-(1+8x^7+9x^8+10x^9+5x^4+4x^3+7x^6+6x^5+2x^3x^2)/(x^2-1+x+x^8+x^4+x^9+x^3+x^{10}+x^6+x^5+x^7)$  lgdogf

A122274 11.3656  $[-(-4x^4-3x^3-3x^2-3x-3)/(x^5-1) \text{ ogf\_with\_Euler\_transform}]$   
A122275 8.32832  $[-(-4x^4-x^3-x^2-x-1)/(x^5-1) \text{ ogf\_with\_Euler\_transform}]$   
A122299 11.6919  $[-x(x-1)/(x^3-3x^2-2x+1) \text{ ogf}]$   
A122299 14.9192  $-(1+6x+2x^3-6x^2)/(x-1)/(x^3-3x^2-2x+1) \text{ lgdogf}$   
A122299 6.00396  $[{a(n+3)-2a(n+2)-3a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 1}], \text{ ogf}]$   
A122365 13.5283  $[-x(x-1)/(x^3-4x^2-2x+1) \text{ ogf}]$   
A122365 14.7564  $-(1+8x+2x^3-7x^2)/(x-1)/(x^3-4x^2-2x+1) \text{ lgdogf}$   
A122365 6.94695  $[{a(n+3)-2a(n+2)-4a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 1}], \text{ ogf}]$   
A122367 16.7464  $-1/2*(-1-3x+(1+2x+5x^2)^{(1/2)})/(1+x) \text{ revogf}$   
A122367 17.0816  $[-(x-1)/(x^2-3x+1) \text{ ogf}]$   
A122367 21.7704  $-(2-2x+x^2)/(x-1)/(x^2-3x+1) \text{ lgdogf}$   
A122367 9.37404  $[{a(n+2)-3a(n+1)+a(n), a(0) = 1, a(1) = 2}], \text{ ogf}]$   
A122368 10.3677  $[-(2x-1)^2(x-1)/(3x^3-9x^2+6x-1) \text{ ogf}]$   
A122368 5.59674  $[{-a(n+3)+6a(n+2)-9a(n+1)+3a(n), a(0) = 1, a(1) = 3, a(2) = 11}], \text{ ogf}]$   
A122368 9.83682  $-(3-14x+6x^4-18x^3+24x^2)/(x-1)/(2x-1)/(3x^3-9x^2+6x-1) \text{ lgdogf}$   
A122369 5.84543  $-(4-42x+175x^2-368x^3+413x^4-242x^5+66x^6)/(x-1)/(-1+3x)/(2x-1)/(11x^4-37x^3+32x^2-10x+1) \text{ lgdogf}$   
A122369 7.35065  $[-(x-1)*(3x-1)*(2x-1)/(11x^4-37x^3+32x^2-10x+1) \text{ ogf}]$   
A122370 5.18491  $[-(x-1)*(3x-1)*(2x-1)*(4x-1)/(53x^5-189x^4+192x^3-81x^2+15x-1) \text{ ogf}]$   
A122371 4.42446  $[-(x-1)*(4x-1)*(3x-1)*(2x-1)/(309x^6-1157x^5+1314x^4-669x^3+170x^2-21x+1) \text{ ogf}]$   
A122372 3.89254  $[-(x-1)*(6x-1)*(4x-1)*(3x-1)*(2x-1)/(2119x^7-8249x^6+10190x^5-5925x^4+1845x^3-316x^2+28x-1) \text{ ogf}]$   
A122391 10.7812  $[-(x+1)*(x-1)^2/(2x-1) \text{ ogf}]$   
A122391 17.9934  $(1-x+4x^2)/(x-1)/(2x-1)/(x+1) \text{ lgdogf}$   
A122391 5.95210  $[{a(n+4)-2a(n+3), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3}], \text{ ogf}]$   
A122392 11.4786  $(2+2x+5x^2+12x^3+15x^4)/(x-1)/(-1+3x)/(x+1)/(x^2+x+1) \text{ lgdogf}$   
A122392 9.83975  $[(x+1)*(x^2+x+1)*(x-1)^3/(3x-1) \text{ ogf}]$   
A122393 7.80780  $(3+4x+36x^6+41x^4+18x^3+30x^5+12x^2)/(x-1)/(-1+4x)/(x+1)/(x^2+1)/(x^2+x+1) \text{ lgdogf}$   
A122393 8.27108  $[-(x^2+x+1)*(x^2+1)*(x+1)^2*(x-1)^4/(4x-1) \text{ ogf}]$   
A122407 12.9918  $[-(6x^3-3x^2+2x+3)/(-x^4+x^3-x+1) \text{ ogf\_with\_Euler\_transform}]$   
A122434 19.9161  $[x^2-3x+2 \text{ ogf\_with\_Euler\_transform}]$   
A122434 29.2706  $(2+x^2)/(x+1)/(x^2+x+1) \text{ lgdogf}$   
A122434 4.42146  $[{-a(n+4)-a(n+3)-a(n+2), a(0) = 1, a(1) = 2, a(2) = 0, a(3) = -1}], \text{ ogf}]$   
A122434 8.19057  $[(x+1)^3/(x^2+x+1) \text{ ogf}]$   
A122439 18.0981  $-2*(-1-x+8x^3)/(2x-1)/(2x^3+x^2-1) \text{ lgdogf}$   
A122439 18.4693  $[1/(2x-1)/(2x^3+x^2-1) \text{ ogf}]$   
A122441 3.37201  $[{(8n^2+4n)*a(n)+(-7n^2+46n+48)*a(n+1)+(-49n^2-164n-132)*a(n+2)+(-6n^2-30n-36)*a(n+3), a(0) = 1, a(1) = -1, a(2) = 1}], \text{ ogf}]$   
A122441 8.11110  $-(1+8x+((1+8x)*(2+x)^2)^{(1/2)})/(-1+x)/(x-3)/(1+8x) \text{ lgdogf}$   
A122446 14.0200  $-1/4*(-1-2x^2+(1-4x^2+4x^4+8x^3)^{(1/2)})/x \text{ revogf}$   
A122447 10.3226  $-1/4*(-1+6x-3x^2+(1-4x+2x^2-4x^3+9x^4)^{(1/2)})/(-1+x) \text{ revogf}$   
A122461 19.9214  $[2x^4/(x+1)/(x^2+1)/(x-1)^2 \text{ ogf}]$   
A122461 21.3443  $-a(n+4)+a(n), a(0)=1, a(1)=1, a(2)=1, a(3)=5 \text{ lgdogf}$   
A122461 35.7488  $[x^3+1] \text{ ogf\_with\_Euler\_transform}]$   
A122471 11.4938  $-(-6+22x-35x^2+7x^3)/(x-1)/(7x-1)/(x^2-3x+1) \text{ lgdogf}$   
A122471 5.04544  $[{a(n+3)-9a(n+2)+15a(n+1)-7a(n), a(0) = 1, a(1) = 6, a(2) = 40}], \text{ ogf}]$   
A122471 9.27710  $[-(x^2-3x+1)/(7x-1)/(x-1)^2 \text{ ogf}]$   
A122491 10.4107  $[x^3*(x-2)/(x-1)/(x^2+x-1)^2 \text{ ogf}]$   
A122491 19.4637  $-(5+x+4x^3-11x^2)/(x-2)/(x-1)/(x^2+x-1) \text{ lgdogf}$

A122491 3.69412 [  $\{(n^2+5n+6)*a(n+1)+(-n-3)*a(n+2)+(-2n^2-7n-5)*a(n+3)+(n^2+3n+2)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$ , ogf]  
A122501 5.93371  $-(5+94*x+413*x^2+692*x^3+886*x^4+1900*x^5+1786*x^6)/(47*x^3+25*x^2+5*x+1)/(38*x^4+54*x^3+22*x^2-1)$  lgdogf  
A122501 7.61129 [  $-(47*x^3+25*x^2+5*x+1)/(38*x^4+54*x^3+22*x^2-1)$  ogf]  
A122502 11.9778 [  $-x/(38*x^4+54*x^3+22*x^2-1)$  ogf]  
A122502 4.56296 [  $\{a(n+4)-22*a(n+2)-54*a(n+1)-38*a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 22\}$ , ogf]  
A122503 5.92178  $-(-1-2*x+2850*x^6+1596*x^5-260*x^3-630*x^4+41*x^2)/(38*x^4+54*x^3+22*x^2-1)/(75*x^3+21*x^2-x-1)$  lgdogf  
A122503 7.37094 [  $(75*x^3+21*x^2-x-1)/(38*x^4+54*x^3+22*x^2-1)$  ogf]  
A122504 7.81473 [  $(3*x^2+x-1)*(x^2+x-1)/(x^3-x^2-2*x+1)/(x^3-2*x^2-x+1)$  ogf]  
A122504 7.84082  $-(-1+4*x+42*x^5+3*x^8-8*x^6-36*x^7+6*x^9+2*x^2-20*x^3+x^4)/(x^2+x-1)/(x^3-x^2-2*x+1)/(x^3-2*x^2-x+1)/(3*x^2+x-1)$  lgdogf  
A122508 21.3656  $-2*x*(1+9*x)/(2*x-1)/(3*x^2+2*x+1)$  lgdogf  
A122508 22.3336 [  $-1/(2*x-1)/(3*x^2+2*x+1)$  ogf]  
A122508 7.92483 [  $\{a(n+3)-a(n+1)-6*a(n), a(0) = 1, a(1) = 0, a(2) = 1\}$ , ogf]  
A122509 15.7883 [  $-x/(3*x-1)/(7*x^2+3*x+1)$  ogf]  
A122509 19.8922  $-x*(4+63*x)/(3*x-1)/(7*x^2+3*x+1)$  lgdogf  
A122509 7.13019 [  $\{-a(n+3)+2*a(n+1)+21*a(n), a(0) = 0, a(1) = 1, a(2) = 0\}$ , ogf]  
A122512 18.0529 [  $1/(x^4-2*x^3-x^2+1)$  ogf]  
A122512 21.7481  $-2*x*(-1+2*x^2-3*x)/(1-x^2-2*x^3+x^4)$  lgdogf  
A122513 7.74367 [  $x*(5*x^3+9*x^2-45*x-1)/(x-1)/(x^2-10*x+1)/(x^2+10*x+1)$  ogf]  
A122514 17.2179 [  $x/(x^4-x^3-2*x^2+1)$  ogf]  
A122514 21.9224  $-x*(-4+4*x^2-3*x)/(1-2*x^2-x^3+x^4)$  lgdogf  
A122514 6.35088 [  $\{a(n+4)-2*a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 2\}$ , ogf]  
A122517 16.3436 [  $1/(x^5-2*x^4-x^3+1)$  ogf]  
A122517 22.3854  $-x^2*(5*x^2-8*x-3)/(1-x^3-2*x^4+x^5)$  lgdogf  
A122518 20.0372 [  $1/(x^5-x^4-2*x^3+1)$  ogf]  
A122518 24.5588  $-x^2*(5*x^2-4*x-6)/(1-2*x^3-x^4+x^5)$  lgdogf  
A122519 10.6305  $-(-1-2*x+x^8-4*x^6-6*x^5-9*x^4-2*x^3-3*x^2)/(x+1)/(x^2+1)/(x^3-x^2-1)/(x^3+x^2-1)$  lgdogf  
A122519 12.0109 [  $(x+1)*(x^3-x^2-1)/(x^2+1)/(x^3+x^2-1)$  ogf]  
A122520 6.48052  $-(-1+4*x+4*x^8+13*x^6+16*x^5+8*x^7+18*x^4+20*x^3+10*x^2)/(x^5-x^3-x^2-x-1)/(4*x^4+4*x^3+3*x^2+2*x+1)$  lgdogf  
A122520 6.67345 [  $-(4*x^4+4*x^3+3*x^2+2*x+1)/(x^5-x^3-x^2-x-1)$  ogf]  
A122521 11.2461 [  $-(x+1)*(x^2+x+1)*(x^2-x+1)/(x^8+x^6-1)$  ogf]  
A122521 7.63952  $-(2*x+3*x^12+5*x^6+5*x^4+4*x^3+6*x^5+3*x^2+12*x^7+10*x^8+8*x^9+6*x^10+4*x^11+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^8+x^6-1)$  lgdogf  
A122522 17.9404 [  $-(x+1)/(x^8+x^2-1)$  ogf]  
A122522 20.5374  $-(1+2*x+x^2+8*x^7+7*x^8)/(x+1)/(x^8+x^2-1)$  lgdogf  
A122551 4.97444 [  $\{(8n^2+36n+40)*a(n+1)-a(n+2), a(0) = 2, a(1) = 24\}$ , ogf]  
A122552 13.1156 [  $(x-1)*(x+1)/(2*x-1)/(x^2+x+1)$  ogf]  
A122552 15.6060  $-(-1+2*x^4-7*x^2)/(x-1)/(2*x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A122552 6.67489 [  $\{-a(n+3)+a(n+2)+a(n+1)+2*a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
A122553 13.7680 [  $\{a(n+2)-a(n+1), a(0) = 1, a(1) = 3\}$ , ogf]  
A122553 26.7917 [  $-(2*x+1)/(x-1)$  ogf]  
A122553 29.4751  $-1/4-1/4*x+1/4*(1+10*x+x^2)^{(1/2)}$  revogf  
A122553 60.7924  $-3/(1+2*x)/(x-1)$  lgdogf  
A122554 6.71801 [  $-(x^5-x^4-x^3-x^2+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A122554 8.34167  $(3-3*x-x^6-5*x^5+x^7+13*x^4-6*x^2)/(x-1)/(x^2+x-1)/(x^5-x^4-x^3-x^2+1)$  lgdogf  
A122558 14.1445 [  $(x-1)/(3*x^2+4*x-1)$  ogf]  
A122558 14.8563  $1/2/(-1+3*x)*(-1-4*x+(1+4*x+28*x^2)^{(1/2)})$  revogf  
A122558 17.8275  $-3*(-1-2*x+x^2)/(x-1)/(3*x^2+4*x-1)$  lgdogf  
A122558 7.76224 [  $\{-a(n+2)+4*a(n+1)+3*a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A122562 15.3082  $-2*(118-221*x+115*x^2)/(x-1)/(115*x^2-224*x+115)$  lgdogf  
A122562 9.99125 [  $(115*x^2-224*x+115)/(x-1)^4$  ogf]

A122571 11.4385 [  $-(13x-1)/(x^2-14x+1)$  ogf]  
A122571 11.9556  $-1/2*(-1-14x+(1-24x+192x^2)^{1/2})/(13+x)$  revogf  
A122571 14.2175  $-(1-2x+13x^2)/(13x-1)/(x^2-14x+1)$  lgdogf  
A122571 6.47722 [  $\{a(n+2)-14a(n+1)+a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A122572 14.7237 [  $(15x+1)/(x^2+14x+1)$  ogf]  
A122572 15.0424  $-1/2*(-1+14x+(8x+1)*(24x+1))^{1/2}/(-15+x)$  revogf  
A122572 18.6051  $-(3x+1)*(5x-1)/(15x+1)/(x^2+14x+1)$  lgdogf  
A122572 8.33752 [  $\{a(n+2)+14a(n+1)+a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A122573 10.3523  $-(1+2x+3x^6+9x^4-4x^3+6x^5-5x^2)/(x+1)/(3x^2-1)/(x^4-4x^2+1)$  lgdogf  
A122573 11.0489 [  $-(x+1)*(3x^2-1)/(x^4-4x^2+1)$  ogf]  
A122573 6.77529 [  $\{a(n+4)-4a(n+2)+a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1\}$ , ogf]  
A122574 15.2226 [  $-(12x+1)/(x^2-11x-1)$  ogf]  
A122574 17.0635  $1/2/(12+x)*(-1+11x+(1+26x+125x^2)^{1/2})$  revogf  
A122574 19.8305  $-(1+2x+12x^2)/(12x+1)/(x^2-11x-1)$  lgdogf  
A122574 8.62002 [  $\{-a(n+2)-11a(n+1)+a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A122575 22.1351  $-(-43+22x+5x^2)/(x-1)/(x^2+14x+1)$  lgdogf  
A122575 3.82214 [  $\{(-3-n)*a(n+4)+(-69-13n)*a(n+3)+(35+13n)*a(n+2)+(5+n)*a(n+1), a(0) = 0, a(1) = -1, a(2) = 43, a(3) = -1215\}$ , ogf]  
A122575 8.62104 [  $x*(x-1)/(x^2+14x+1)^3$  ogf]  
A122576 12.8339  $-3*(-1+7x+x^5-8x^2+12x^3-3x^4)/(x-1)/(x+1)/(x^4-2x^3+6x^2-2x+1)$  lgdogf  
A122576 7.57839 [  $(x^4-2x^3+6x^2-2x+1)/(x-1)^3/(x+1)^4$  ogf]  
A122580 12.4501 [  $-(-x^2-2x-2)/(x^3-1)$  ogf\_with\_Euler\_transform]  
A122581 10.2097  $-(1+4x^5+10x^8+3x^6+4x^7+4x^2+2x^3-x^4)/(5x^4+x^3+2x^2+1)/(2x^5-4x^4+x^3-2x^2+x-1)$  lgdogf  
A122581 9.93726 [  $-(5x^4+x^3+2x^2+1)/(2x^5-4x^4+x^3-2x^2+x-1)$  ogf]  
A122582 10.2190 [  $-(3x^4+x^3+2x^2+1)/(x^5-2x^4+x^3-2x^2+x-1)$  ogf]  
A122582 11.8245  $-(1+2x^7+4x^5+3x^8+x^6+4x^2+2x^3)/(x^5-2x^4+x^3-2x^2+x-1)/(3x^4+x^3+2x^2+1)$  lgdogf  
A122583 9.61715 [  $-(7x^4+x^3+2x^2+1)/(3x^5-6x^4+x^3-2x^2+x-1)$  ogf]  
A122583 9.71794  $-(1+4x^5+21x^8+5x^6+6x^7+4x^2+2x^3-2x^4)/(3x^5-6x^4+x^3-2x^2+x-1)/(7x^4+x^3+2x^2+1)$  lgdogf  
A122584 9.88143 [  $(x+1)*(2x-1)/(x^4-2x^3+x^2+2x-1)$  ogf]  
A122584 9.96766  $-(-1+2x+3x^2-8x^3-x^4+4x^5)/(2x-1)/(x+1)/(x^4-2x^3+x^2+2x-1)$  ogf  
A122586 6.56485 [  $-(x^44-x^35+x^32-x^29+x^28+x^27-x^26+x^17-x^8+x^5-x^2+x+1)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)/(x^18-x^9+1)$  ogf]  
A122588 13.3928 [  $-1/(x^5-15x^4+35x^3-28x^2+9x-1)$  ogf]  
A122589 7.19986  $-(-11+90x-252x^2+280x^3-105x^4+6x^5)/(45x^2+1-11x+70x^4-84x^3+x^6-21x^5)$  lgdogf  
A122589 8.61076 [  $1/(x^6-21x^5+70x^4-84x^3+45x^2-11x+1)$  ogf]  
A122595 13.5328 [  $-1/(x^4-x^3-x^2+3x-1)$  ogf]  
A122595 15.8483  $-(3-2x+4x^3-3x^2)/(-x^2-1+3x+x^4-x^3)$  lgdogf  
A122597 7.08210 [  $-(15x^{10}-15x^9+3x^8-3x^7+6x^6+x^5+8x^4+5x^3+3x^2+2x+1)/(3x^5-1)$  ogf]  
A122600 18.9129 [  $1/(x^3-4x^2+3x+1)$  ogf]  
A122600 24.3864  $-(3-8x+3x^2)/(-4x^2+1+3x+x^3)$  lgdogf  
A122600 6.86219 [  $\{-a(n+3)-3a(n+2)+4a(n+1)-a(n), a(0) = 1, a(1) = -3, a(2) = 13\}$ , ogf]  
A122602 4.04186 [  $(5x^4-5x^2+1)*(x^5-3x^4-3x^3+4x^2+x-1)/(x-1)/(x^3-2x^2-x+1)/(x^6+8x^5+8x^4-6x^3-6x^2+x+1)$  ogf]  
A122603 3.00277 [  $(110x^7+2675x^6-11417x^5+12896x^4-4477x^3+650x^2-42x+1)/(x^8-876x^7+11826x^6-25954x^5+17903x^4-5146x^3+691x^2-43x+1)$  ogf]  
A122604 5.10708 [  $(x^3+3x^2-1)*(5x^4-5x^2+1)/(x^9-5x^8-10x^7+20x^6+15x^5-21x^4-7x^3+8x^2+x-1)$  ogf]  
A122605 6.20209 [  $-(2x-1)*(2x^2-1)*(x^3+2x^2-x-1)/(x-1)/(x^2+x-1)/(x^4-4x^3-4x^2+x+1)$  ogf]  
A122605 7.73073  $-x^6*(12x^5-20x^3+6x+30x^2-7+4x^6-30x^4)/(x-1)/(2x-1)/(x^2+x-1)/(x^3+2x^2-x-1)/(x^4-4x^3-4x^2+x+1)/(2x^2-1)$  lgdogf

A122607 6.77476 -  
 $(-1-48*x^5-36*x^8+49*x^6-10*x^2+8*x^{10}-2*x^3-15*x^4-90*x^7+10*x^9)/(8*x^5+5*x^4-x^3-5*x^2-1)/(x^6+3*x^5+6*x^4+4*x^3-5*x^2+x-1)$  lgdogf  
A122607 7.85563 [  $(8*x^5+5*x^4-x^3-5*x^2-1)/(x^6+3*x^5+6*x^4+4*x^3-5*x^2+x-1)$  ogf ]  
A122608 8.64187 [  $-(x+1)*(2*x-1)*(x^2-x-1)/(x^5-3*x^4-3*x^3+4*x^2+x-1)$  ogf ]  
A122608 8.79022  $-(1+8*x^5-8*x^2-3*x^6-2*x^7+2*x^8-2*x^3+15*x^4)/(2*x-1)/(x+1)/(x^2-x-1)/(x^5-3*x^4-3*x^3+4*x^2+x-1)$  lgdogf  
A122611 8.00869  $-(7+30*x-18*x^2-44*x^3+30*x^4+6*x^5)/(15*x^2+1-7*x-11*x^4-6*x^3+x^6+6*x^5)$  lgdogf  
A122611 9.15469 [  $1/(x^6+6*x^5-11*x^4-6*x^3+15*x^2-7*x+1)$  ogf ]  
A122618 6.16759 [  $-(10*x^{19}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x^4-x^3+x^2-x+1)^2/(x-1)^3$  ogf ]  
A122620 6.23832 [  $-(9*x^{19}+2*x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x^4-x^3+x^2-x+1)^2/(x-1)^3$  ogf ]  
A122638 5.46166 [  $-(x^{20}-x^{19}+11*x^{18}-2*x^{10}+2*x^9+x^7+x^6+x^5+x^4+x^3+x^2+x+2)/(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x^4-x^3+x^2-x+1)^2/(x-1)^3$  ogf ]  
A122649 3.73340 [  $\{(4*n^2+18*n+20)*a(n+1)+(-4*n-11)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 7\}$ , ogf ]  
A122650 10.8743 [  $\{-a(n+2)+a(n+1)+a(n), a(0) = 28657, a(1) = 46368\}$ , ogf ]  
A122650 18.4658 [  $-(17711*x+28657)/(x^2+x-1)$  ogf ]  
A122652 17.1533  $-(-5*x-2+2*(1+2*x)^{(1/2)}*(1+3*x)^{(1/2)})/x$  revogf  
A122652 18.7478 [  $4*x/(x^2-10*x+1)$  ogf ]  
A122652 31.9675  $-2*(-5+x)/(x^2+1-10*x)$  lgdogf  
A122652 8.68802 [  $\{a(n+2)-10*a(n+1)+a(n), a(0) = 0, a(1) = 4\}$ , ogf ]  
A122653 14.9635  $-(-5*x-3+(1+2*x)^{(1/2)}*(3+4*x)^{(1/2)}*3^{(1/2)})/x$  revogf  
A122653 18.7478 [  $6*x/(x^2-10*x+1)$  ogf ]  
A122653 31.9675  $-2*(-5+x)/(x^2+1-10*x)$  lgdogf  
A122653 8.68802 [  $\{a(n+2)-10*a(n+1)+a(n), a(0) = 0, a(1) = 6\}$ , ogf ]  
A122656 12.1145  $-(3+29*x+5*x^4+40*x^3+3*x^5+16*x^2)/(x-1)/(x+1)/(x^4+x^3+7*x^2+x+2)$  lgdogf  
A122656 7.00281 [  $x^2*(x^4+x^3+7*x^2+x+2)/(x+1)^3/(x-1)^4$  ogf ]  
A122657 4.79014 [  $2*x^2*(4*x^6+19*x^5+62*x^4+70*x^3+62*x^2+19*x+4)/(x+1)^4/(x-1)^6$  ogf ]  
A122657 7.01631  $-(27+202*x+103*x^6+434*x^5+709*x^4+884*x^3+16*x^7+505*x^2)/(x-1)/(x+1)/(4*x^6+19*x^5+62*x^4+70*x^3+62*x^2+19*x+4)$  lgdogf  
A122658 3.98251 [  $2*x^2*(x^8+7*x^7+95*x^6+113*x^5+379*x^4+149*x^3+189*x^2+19*x+8)/(x+1)^5/(x-1)^6$  ogf ]  
A122678 12.8068 [  $-(x+1)^2/(x^2-3*x+1)/(x-1)$  ogf ]  
A122678 6.91340 [  $\{a(n+3)-4*a(n+2)+4*a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 21\}$ , ogf ]  
A122679 12.8611 [  $-5*x*(x+1)/(x^2-3*x+1)/(x-1)$  ogf ]  
A122679 6.54539 [  $\{a(n+3)-4*a(n+2)+4*a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 25\}$ , ogf ]  
A122685 14.4999 [  $-(x^4-2*x^2+x+1)/(x-1)/(x+1)$  egf ]  
A122685 16.5481  $(-1+2*x+2*x^5-x^2-4*x^3)/(x-1)/(x+1)/(x^4-2*x^2+x+1)$  lgdegf  
A122685 7.72422 [  $\{-a(n+5)+a(n+3), a(0) = 1, a(1) = 1, a(2) = -1, a(3) = 1, a(4) = 0\}$ , egf ]  
A122690 12.8546 [  $(x-1)/(4*x^2+5*x-1)$  ogf ]  
A122690 13.4829  $1/2/(-1+4*x)*(-1-5*x+(1+6*x+41*x^2)^{(1/2)})$  revogf  
A122690 16.1794  $-4*(-1-2*x+x^2)/(x-1)/(4*x^2+5*x-1)$  lgdogf  
A122690 7.05438 [  $\{-a(n+2)+5*a(n+1)+4*a(n), a(0) = 1, a(1) = 4\}$ , ogf ]  
A122693 3.11724 [  $\{(n^3+8*n^2+21*n+18)*a(n+1)+(-3*n^3-36*n^2-142*n-185)*a(n+2)+(-14-4*n)*a(n+3)+(9+3*n)*a(n+4), a(0) = 0, a(1) = 2, a(2) = 4, a(3) = 32\}$ , ogf ]  
A122694 5.66209 [  $x*(341*x^5+79*x^4+341*x^3-1463*x^2-237*x-583)/(x-1)/(x^6-6*x^3+1)$  ogf ]  
A122695 10.8716 [  $-x^2*(x^2-x+1)/(x-1)/(3*x-1)/(2*x-1)$  ogf ]  
A122695 5.28479 [  $\{a(n+5)-6*a(n+4)+11*a(n+3)-6*a(n+2), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 5, a(4) = 20\}$ , ogf ]  
A122695 7.91990  $-(5-20*x+6*x^4-12*x^3+23*x^2)/(-1+x)/(-1+3*x)/(2*x-1)/(x^2-x+1)$

lgdogf  
 A122709 15.8025 [  $(2*x+1)^2/(x-1)^2$  ogf]  
 A122709 51.3439  $-6/(2*x+1)/(x-1)$  lgdogf  
 A122709 8.13138 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 6, a(2) = 15\}$ , ogf]  
 A122733 3.82587 [  $(128*x^6+96*x^5+72*x^4+4*x^3+76*x^2-48*x-9)/(2*x-1)$  ogf]  
 A122737 54.2715  $2*x/(4+6*x+x^2)$  revogf  
 A122737 6.80959 [  $\{-5*a(n)*n+(6*n+9)*a(n+1)+(-n-3)*a(n+2), a(0) = 0, a(1) = 2\}$ , ogf]  
 A122746 20.8846 [  $1/(2*x^2-1)/(2*x-1)$  ogf]  
 A122746 21.6784  $-2*(-1-2*x+6*x^2)/(2*x-1)/(2*x^2-1)$  lgdogf  
 A122746 6.89937 [  $\{a(n+3)-2*a(n+2)-2*a(n+1)+4*a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
 A122747 7.22146 [  $\{(16*n^2+48*n+36)*a(n+1)-a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
 A122751 6.34890 [  $-(x^4-x^3+3*x^2-x+1)/(x+1)^2/(x^2+1)/(x-1)^5$  ogf]  
 A122751 9.26867  $-(2+5*x^7-x^4+22*x^3-3*x^6+23*x^5+8*x+4*x^2)/(x-1)/(x+1)/(x^2+1)/(x^4-x^3+3*x^2-x+1)$  lgdogf  
 A122752 3.76559 [  $\{a(n)*n+(n+1)*a(n+1)+(n+2)*a(n+2)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
 A122756 14.3581 [  $-(2*x^2+2*x+1)/(2*x-1)/(2*x+1)$  ogf]  
 A122756 14.9931  $-2*(1+6*x+4*x^2)/(1+2*x)/(2*x-1)/(2*x^2+2*x+1)$  lgdogf  
 A122756 8.37554 [  $\{-a(n+3)+4*a(n+1), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
 A122762 5.97857 [  $(4*x^9+4*x^8+3*x^7+2*x^6+2*x^5+x^4-x-1)/(x^{10}+x^8+x^7+x^5+x^4+x^2-1)$  ogf]  
 A122767 10.9126 [  $2*x/(300*x^3-120*x^2-6*x+1)$  ogf]  
 A122767 11.6899  $-6*(-1-40*x+150*x^2)/(-120*x^2+1-6*x+300*x^3)$  lgdogf  
 A122767 4.60964 [  $\{-a(n+3)+6*a(n+2)+120*a(n+1)-300*a(n), a(0) = 0, a(1) = 2, a(2) = 12\}$ , ogf]  
 A122769 11.3328 [  $-(3*x-1)/(x^2-14*x+1)$  ogf]  
 A122769 11.8599  $-1/2*(-1-14*x+(1+16*x+192*x^2)^{(1/2)})/(3+x)$  revogf  
 A122769 14.1660  $-(11-2*x+3*x^2)/(3*x-1)/(x^2-14*x+1)$  lgdogf  
 A122769 6.20608 [  $\{a(n+2)-14*a(n+1)+a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
 A122770 10.0608  $-2*(-22+45*x+x^3-12*x^2)/(x-1)/(x-3)/(x^2-14*x+1)$  lgdogf  
 A122770 10.9793 [  $2*x*(x-3)/(x-1)/(x^2-14*x+1)$  ogf]  
 A122770 5.68225 [  $\{-a(n+3)+15*a(n+2)-15*a(n+1)+a(n), a(0) = 0, a(1) = 6, a(2) = 88\}$ , ogf]  
 A122788 14.3401 [  $x*(x-1)/(2*x^3-2*x^2+2*x-1)$  ogf]  
 A122788 16.4853  $-(-1+4*x+4*x^3-8*x^2)/(x-1)/(2*x^3-2*x^2+2*x-1)$  lgdogf  
 A122788 7.36383 [  $\{-a(n+3)+2*a(n+2)-2*a(n+1)+2*a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
 A122789 16.5204 [  $x*(x-1)*(x+1)/(x^4+x-1)$  ogf]  
 A122789 17.1406  $-(-1-4*x^3+2*x^5+2*x-x^2)/(x-1)/(x+1)/(x^4+x-1)$  lgdogf  
 A122792 13.6949 [  $-(-x^2-1)/(-x^4-x^3+x+1)$  ogf\_with\_Euler\_transform]  
 A122803 16.1358 [  $\{-a(n+1)-2*a(n), a(0) = 1\}$ , ogf]  
 A122803 33.5625 [  $1/(2*x+1)$  ogf]  
 A122803 63.2344  $-1/2*\ln(1-2*x)$  revegf  
 A122803 88.5282  $-2/(2*x+1)$  lgdogf  
 A122822 15.2298 [  $x^2*(2*x-1)/(3*x^4-x^3-2*x+1)$  ogf]  
 A122822 20.3595  $-x^2*(3-16*x+18*x^2)/(2*x-1)/(3*x^4-x^3-2*x+1)$  lgdogf  
 A122822 7.67782 [  $\{a(n+4)-2*a(n+3)-a(n+1)+3*a(n), a(0) = 0, a(1) = 0, a(2) = -1, a(3) = 0\}$ , ogf]  
 A122831 8.72913 [  $-(3*x^7-3*x^6-x^5-3*x^4+3*x^3+x^2+3*x-3)/(x^9+1)$  ogf\_with\_Euler\_transform]  
 A122840 21.6151  $10*x^9*(3*x^35-1)*(3*x^35+1)/(-1+x^{10}+9*x^{70})$  lgdogf  
 A122841 6.68672 [  $-x^5*(2*x^{30}+x^{24}+x^{18}+x^{12}+x^6+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)/(x^2+1)/(x^4-x^2+1)/(x^{12}-x^6+1)$  ogf]  
 A122854 13.4316 [  $-(6*x^2-2*x+8)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
 A122856 4.70394 [  $-(2*x^{10}-2*x^8-2*x^7-2*x^6-2*x^4-2)/(x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
 A122859 10.8613 [  $-(2*x^5-6*x^4-3*x^3-4*x^2-3*x-6)/(x^6-1)$  ogf\_with\_Euler\_transform]  
 A122861 11.3754 [  $-(-2*x^3-x^2+2*x-3)/(x^4-x^3+x-1)$  ogf\_with\_Euler\_transform]



A122868 23.0127  $-3*(x+1)/(3*x^2-1+6*x)$  lgdogf  
A122868 3.40961  $[{(n+3)*a(n+3)+(-15-6*n)*a(n+2)+(-6-3*n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 15}]$ , ogf]  
A122871 39.7162  $x/(1+2*x+3*x^2)$  revogf  
A122871 4.00188  $[{(8*n+16)*a(n+1)+(4*n+14)*a(n+2)+(-n-5)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 7}]$ , ogf]  
A122874 13.0587  $[-(14*x^2+20*x+7)/(x-1)/(x+1)^2]$  ogf]  
A122874 17.2966  $-(13+29*x+14*x^3+26*x^2)/(x-1)/(x+1)/(14*x^2+20*x+7)$  lgdogf  
A122874 7.28050  $[{-a(n+3)-a(n+2)+a(n+1)+a(n), a(0) = 7, a(1) = 13, a(2) = 8}]$ , ogf]  
A122876 14.3568  $[(2*x^2+1)/(x^2-x+1)]$  ogf]  
A122876 24.4689  $-(-1-2*x+2*x^2)/(x^2-x+1)/(2*x^2+1)$  lgdogf  
A122876 6.89687  $[{-a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 2}]$ , ogf]  
A122877 3.25504  $[{(7*n^2+35*n+42)*a(n+1)+(2*n^2+13*n+21)*a(n+2)+(-n^2-8*n-12)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 2}]$ , ogf]  
A122878 8.46822  $[-(23*x^14-10*x^11+22*x^7+x^4+12)/(x-1)/(x^2+x+1)/(x^12-x^11+x^9-x^8+x^6-x^4+x^3-x+1)]$  ogf]  
A122879 8.54026  $[{-x^4*(2*x^10-x^7+x^3+1)/(x-1)/(x^2+x+1)/(x^12-x^11+x^9-x^8+x^6-x^4+x^3-x+1)]$  ogf]  
A122883 11.9244  $-(3+22*x-17*x^2+4*x^3)/(x-1)/(2*x+1)/(x^2-6*x+1)$  lgdogf  
A122883 13.1807  $[-(x-1)/(2*x+1)/(x^2-6*x+1)]$  ogf]  
A122883 6.24347  $[{-a(n+3)+4*a(n+2)+11*a(n+1)-2*a(n), a(0) = 1, a(1) = 3, a(2) = 23}]$ , ogf]  
A122884 11.1069  $[(3*x+1)/(2*x+1)/(x^2-6*x+1)]$  ogf]  
A122884 11.2999  $-(-7-22*x-27*x^2+12*x^3)/(2*x+1)/(3*x+1)/(x^2+1-6*x)$  lgdogf  
A122884 5.26114  $[{-a(n+3)+4*a(n+2)+11*a(n+1)-2*a(n), a(0) = 1, a(1) = 7, a(2) = 39}]$ , ogf]  
A122885 4.79317  $[{a(n+3)-4*a(n+2)-11*a(n+1)+2*a(n), a(0) = 1, a(1) = 13, a(2) = 61}]$ , ogf]  
A122885 8.29587  $-(13+18*x-36*x^3+4*x^4+101*x^2)/(1+2*x)/(x^2+1-6*x)/(2*x^2-9*x-1)$  lgdogf  
A122885 8.89055  $[-(2*x^2-9*x-1)/(2*x+1)/(x^2-6*x+1)]$  ogf]  
A122886 6.25425  $[{-x^2*(x-1)*(2*x^5-x^4+3*x^2+2*x+1)/(2*x^3+1)/(x^6-6*x^3+1)]$  ogf]  
A122898 29.1404  $x*(1+x)/(1+7*x+7*x^2)$  revogf  
A122898 4.02663  $[{(-21*n-42)*a(n+1)+(10*n+32)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 37}]$ , ogf]  
A122898 5.94125  $-1/2*(7*x-1+14*(7*x-1)^(1/2)*(3*x-1)^(1/2)*x-(7*x-1)^(1/2)*(3*x-1)^(1/2))/(7*x-1)^(3/2)/(3*x-1)^(1/2)/x$  lgdogf  
A122904 7.88407  $(7+9*x-5*x^6+3*x^4+3*x^3+3*x^5+11*x^2-9*x^7-4*x^8+2*x^9+4*x^10)/(x-1)/(x^8+x^7-x^6-x^5+4*x^3-x^2-2*x-5)/(x^2+x+1)$  lgdogf  
A122904 8.98961  $[-(x^8+x^7-x^6-x^5+4*x^3-x^2-2*x-5)/(x^2+x+1)/(x-1)^2]$  ogf]  
A122909 7.96249  $-(-4-14*x+3*x^2+16*x^3+12*x^4+2*x^5+x^6)/(x+1)/(x^2+1)/(x^2+4*x-1)/(x^2-x-1)$  lgdogf  
A122909 8.02197  $[(x+1)*(x^2+1)/(x^2+4*x-1)/(x^2-x-1)]$  ogf]  
A122910 5.26206  $[{a(n+3)-6*a(n+2)-24*a(n+1)+64*a(n), a(0) = 1, a(1) = 4, a(2) = 45}]$ , ogf]  
A122910 8.23826  $-2*(2+21*x+96*x^4+128*x^3-111*x^2)/(3*x-1)/(2*x-1)/(8*x-1)/(4*x+1)/(x+1)$  lgdogf  
A122910 9.60535  $[-(x+1)*(3*x-1)/(4*x+1)/(8*x-1)/(2*x-1)]$  ogf]  
A122911 6.08977  $[-(x+1)*(25*x^2+6*x-1)/(16*x-1)/(2*x+1)/(8*x+1)/(4*x-1)]$  ogf]  
A122918 24.1521  $[2*x^2-2*x]$  ogf\_with\_Euler\_transform]  
A122918 25.8133  $-2*x*(x+2)/(x+1)/(x^2+x+1)$  lgdogf  
A122918 8.78925  $[(x+1)^2/(x^2+x+1)^2]$  ogf]  
A122920 4.78905  $[{(4*n^2+30*n+56)*a(n+1)+(7*n^2+51*n+94)*a(n+2)+(-2*n^2-18*n-36)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 4}]$ , ogf]  
A122931 9.85172  $[(x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)]$  ogf]  
A122931 9.94687  $-2*(-1-x-4*x^4-3*x^3+2*x^5+8*x^2)/(x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  lgdogf  
A122946 19.5379  $[ -2*x^2/(2*x-1)/(2*x^2+x+1)]$  ogf]  
A122946 23.0920  $-(1+12*x^2)/(2*x-1)/(2*x^2+x+1)$  lgdogf

A122946 7.85765 [ $\{a(n+3)-a(n+2)-4a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A122948 8.47751  $-(1-10*x-8*x^5+4*x^7-17*x^6+39*x^2-74*x^3+64*x^4)/(2*x-1)/(x^2-3*x+1)/(x^5+2*x^4-5*x^3-2*x^2+4*x-1)$  lgdogf  
A122948 9.91529 [ $(2*x-1)*(x^2-3*x+1)/(x^5+2*x^4-5*x^3-2*x^2+4*x-1)$  ogf]  
A122951 20.0918  $x*(1+x^2-3*x)/(x^2+1)/(-1+x)^2$  revogf  
A122958 12.5551 [ $-(x^2+2*x-1)/(2*x-1)/(x-1)$  ogf]  
A122958 6.58834 [ $\{-a(n+3)+3a(n+2)-2a(n+1), a(0) = 1, a(1) = 1, a(2) = 0\}$ , ogf]  
A122959 13.3923 [ $-(x^2-2*x-1)/(x+1)/(2*x+1)$  ogf]  
A122959 7.02764 [ $\{-a(n+3)-3a(n+2)-2a(n+1), a(0) = 1, a(1) = -1, a(2) = 0\}$ , ogf]  
A122973 13.8889 [ $-(14*x^2-7*x-1)/(4*x-1)/(x-1)$  ogf]  
A122973 16.0244  $-6*(2-6*x+7*x^2)/(x-1)/(-1+4*x)/(14*x^2-7*x-1)$  lgdogf  
A122973 7.21153 [ $\{a(n+3)-5a(n+2)+4a(n+1), a(0) = 1, a(1) = 12, a(2) = 42\}$ , ogf]  
A122983 10.5899 [ $-(x^2+2*x-1)/(x-1)/(3*x-1)/(x+1)$  ogf]  
A122983 11.5055  $-(1-8*x^2+12*x^3+3*x^4)/(x-1)/(3*x-1)/(x+1)/(x^2+2*x-1)$  lgdogf  
A122983 5.76772 [ $\{a(n+3)-3a(n+2)-a(n+1)+3a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A122994 17.2848 [ $-(2*x+1)/(9*x^2+x-1)$  ogf]  
A122994 19.1159  $1/2/(2+9*x)*(-1-x+(1+10*x+37*x^2)^{1/2})$  revogf  
A122994 21.2399  $-3*(1+6*x+6*x^2)/(1+2*x)/(9*x^2+x-1)$  lgdogf  
A122994 9.48559 [ $\{-a(n+2)+a(n+1)+9a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A122995 13.4829  $1/2/(4+25*x)*(-1-x+(1+18*x+101*x^2)^{1/2})$  revogf  
A122995 14.5200  $-5*(1+10*x+20*x^2)/(4*x+1)/(25*x^2+x-1)$  lgdogf  
A122995 16.8575 [ $-(4*x+1)/(25*x^2+x-1)$  ogf]  
A122995 9.34270 [ $\{-a(n+2)+a(n+1)+25a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A122996 12.9598 [ $-(6*x+1)/(49*x^2+x-1)$  ogf]  
A122996 13.9087  $1/2/(6+49*x)*(-1-x+(1+26*x+197*x^2)^{1/2})$  revogf  
A122996 14.9787  $-7*(1+14*x+42*x^2)/(6*x+1)/(49*x^2+x-1)$  lgdogf  
A122996 7.18253 [ $\{-a(n+2)+a(n+1)+49a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A122997 10.7475  $-(1+4*x-4*x^7-8*x^5+x^8-6*x^2+8*x^3-x^4)/(x^4-2*x^3+x^2-2*x+1)/(x^5+x^4+x^3+x^2+x-1)$  lgdogf  
A122997 9.90285 [ $-(x^4-2*x^3+x^2-2*x+1)/(x^5+x^4+x^3+x^2+x-1)$  ogf]  
A122999 15.7445  $1/50/x*(-1-x+(1+2*x+101*x^2)^{1/2})$  revogf  
A122999 16.5658 [ $-1/(25*x^2+x-1)$  ogf]  
A122999 25.0481  $-(1+50*x)/(25*x^2-1+x)$  lgdogf  
A122999 6.78598 [ $\{-a(n+2)+a(n+1)+25a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A123003 7.42616  $-(75+799*x+2304*x^5-6216*x^4+6508*x^3-3284*x^2)/(x-1)/(3*x-1)/(2*x-1)/(-1+4*x)/(24*x^2-29*x+8)$  lgdogf  
A123003 7.47945 [ $(24*x^2-29*x+8)/(4*x-1)/(3*x-1)/(2*x-1)^2/(x-1)^2$  ogf]  
A123004 15.9433 [ $-x/(25*x^2+2*x-1)$  ogf]  
A123004 16.1235  $1/50/x*(-1-2*x+(1+4*x+104*x^2)^{1/2})$  revogf  
A123004 22.9450  $-2*(1+25*x)/(25*x^2-1+2*x)$  lgdogf  
A123004 7.38834 [ $\{-a(n+2)+2a(n+1)+25a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A123005 16.2642 [ $-x/(49*x^2+2*x-1)$  ogf]  
A123005 16.4569  $1/98/x*(-1-2*x+(1+4*x+200*x^2)^{1/2})$  revogf  
A123005 23.4194  $-2*(1+49*x)/(49*x^2-1+2*x)$  lgdogf  
A123005 7.53705 [ $\{-a(n+2)+2a(n+1)+49a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A123006 14.4957 [ $-x/(121*x^2+2*x-1)$  ogf]  
A123006 14.6447  $1/242/x*(-1-2*x+(1+4*x+488*x^2)^{1/2})$  revogf  
A123006 19.8750  $-2*(1+121*x)/(121*x^2-1+2*x)$  lgdogf  
A123006 6.81123 [ $\{-a(n+2)+2a(n+1)+121a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A123007 13.4478 [ $-(x+1)/(9*x^2+2*x-1)$  ogf]  
A123007 14.4538  $1/2/(1+9*x)*(-1-2*x+(1+8*x+40*x^2)^{1/2})$  revogf  
A123007 16.4613  $-3*(1+6*x+3*x^2)/(x+1)/(9*x^2+2*x-1)$  lgdogf  
A123007 7.37988 [ $\{-a(n+2)+2a(n+1)+9a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A123008 13.1708 [ $-(3*x+1)/(25*x^2+2*x-1)$  ogf]  
A123008 13.4928  $1/2/(3+25*x)*(-1-2*x+(1+16*x+104*x^2)^{1/2})$  revogf  
A123008 14.4800  $-5*(1+10*x+15*x^2)/(3*x+1)/(25*x^2+2*x-1)$  lgdogf  
A123008 7.29951 [ $\{-a(n+2)+2a(n+1)+25a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A123009 13.3505 [ $-(5*x+1)/(49*x^2+2*x-1)$  ogf]

A123009 13.6850  $1/2/(5+49*x)*(-1-2*x+(1+24*x+200*x^2)^{(1/2)})$  revogf  
A123009 14.6864  $-7*(1+14*x+35*x^2)/(5*x+1)/(49*x^2-1+2*x)$  lgdogf  
A123009 7.39910  $[{-a(n+2)+2*a(n+1)+49*a(n), a(0) = 1, a(1) = 7}, ogf]$   
A123010 11.5954  $[(x^2+4*x-1)/(x+1)/(5*x-1) ogf]$   
A123010 15.5167  $-8*(-1+2*x)*x/(5*x-1)/(x+1)/(x^2+4*x-1)$  lgdogf  
A123010 6.08471  $[{-a(n+3)+4*a(n+2)+5*a(n+1), a(0) = 1, a(1) = 0, a(2) = 4}, ogf]$   
A123011 13.4184  $[-(3*x+1)/(5*x^2+2*x-1) ogf]$   
A123011 14.0742  $1/2/(5*x+3)*(-1-2*x+(1+16*x+24*x^2)^{(1/2)})$  revogf  
A123011 15.5557  $-5*(1+2*x+3*x^2)/(3*x+1)/(5*x^2+2*x-1)$  lgdogf  
A123011 7.36378  $[{a(n+2)-2*a(n+1)-5*a(n), a(0) = 1, a(1) = 5}, ogf]$   
A123012 21.0987  $1/42/x*(-1-2*x+(1+4*x+88*x^2)^{(1/2)})$  revogf  
A123012 22.7137  $[-1/(21*x^2+2*x-1) ogf]$   
A123012 29.2136  $-2*(1+21*x)/(21*x^2-1+2*x)$  lgdogf  
A123012 9.30441  $[{-a(n+2)+2*a(n+1)+21*a(n), a(0) = 1, a(1) = 2}, ogf]$   
A123013 7.03615  $[(253*x^4+1288*x^3+506*x^2+1)/(x^6+759*x^4+2576*x^3+759*x^2+1) ogf]$   
A123014 18.6710  $-(1+x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdegf  
A123015 12.5584  $-(-2-2*x+3*x^6+4*x^5+4*x^4-2*x^3-2*x^2)/(x-1)/(x^2+x+1)/(x^4+x^3-1)$  lgdogf  
A123015 14.0515  $[(x^2+x+1)/(x-1)/(x^4+x^3-1) ogf]$   
A123016 14.0540  $[(2*x^2-3*x-1)/(4*x+1)/(2*x-1) ogf]$   
A123016 7.30255  $[{-a(n+3)-2*a(n+2)+8*a(n+1), a(0) = 1, a(1) = 1, a(2) = 4}, ogf]$   
A123020 10.5221  $[-(5*x^2-5*x+1)/(2*x-1)/(x^2-4*x+1) ogf]$   
A123020 5.73077  $[{-a(n+3)+6*a(n+2)-9*a(n+1)+2*a(n), a(0) = 1, a(1) = 1, a(2) = 2}, ogf]$   
A123020 9.82521  $-(-1-8*x+21*x^2-20*x^3+10*x^4)/(-1+2*x)/(1-4*x+x^2)/(5*x^2-5*x+1)$  lgdogf  
A123024 5.23023  $[{(-n-2)*a(n+1)+a(n+4)-a(n+2), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 2}, ogf]$   
A123026 3.30134  $[{(n^3+6*n^2+10*n+4)*a(n+1)+(n^3+10*n^2+31*n+28)*a(n+2)+(-2-n)*a(n+3)+(-n-4)*a(n+4), a(0) = 1, a(1) = 1, a(2) = -1, a(3) = 2}, ogf]$   
A123050 4.80321  $[-(x^{16}+x^{15}+2*x^{14}-x^{13}-x^{11}-2*x^{10}-x^9+x^7+x^5+x^3+2*x^2+x+1)/(x^2+x+1)/(x^4+1)/(x+1)^2/(x^2+1)^2/(x-1)^3 ogf]$   
A123056 6.93147  $[4*x*(x^2-13*x+1)/(x^2-34*x+1)/(x^2-6*x+1) ogf]$   
A123057 8.03340  $[8*x*(x^2-13*x+1)/(x^2-34*x+1)/(x^2-6*x+1) ogf]$   
A123068 15.8796  $[-x*(x^{31}-x^{30}-1)/(x-1)^2 ogf]$   
A123068 19.6584  $(2+30*x^29-59*x^30+29*x^31)/(x-1)/(x^{31}-x^{30}-1)$  lgdogf  
A123072 4.26723  $[{(32*n^3+32*n^2+8*n)*a(n)+(-16*n^3-80*n^2-134*n-72)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 2}, ogf]$   
A123102 13.0129  $[(x-1)/(3*x^3+x^2+x-1) ogf]$   
A123102 16.5679  $-2*x*(-1+3*x^2-4*x)/(x-1)/(3*x^3+x^2+x-1)$  lgdogf  
A123102 6.21335  $[{a(n+3)-a(n+2)-a(n+1)-3*a(n), a(0) = 1, a(1) = 0, a(2) = 1}, ogf]$   
A123108 14.9091  $[(x^3-x+1)/(x+1)/(x-1)^2 ogf]$   
A123108 26.3665  $-x*(x^2+2*x)/(x-1)/(x+1)/(x^3-x+1)$  lgdogf  
A123108 6.94239  $[{-a(n+4)+a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 1}, ogf]$   
A123109 12.4177  $[(3*x^2-x+1)/(3*x-1)/(x-1) ogf]$   
A123109 16.5411  $-3*(-1+3*x^2)/(x-1)/(3*x-1)/(3*x^2-x+1)$  lgdogf  
A123109 6.38967  $[{-a(n+3)+4*a(n+2)-3*a(n+1), a(0) = 1, a(1) = 3, a(2) = 12}, ogf]$   
A123111 4.13746  $[-(x^7-9*x^6-127*x^5-1227*x^4-2317*x^3-1223*x^2-133*x-5)/(x-1)^8 ogf]$   
A123115 6.89592  $[2*x*(x^2+8*x+1)/(x^2-34*x+1)/(x^2-6*x+1) ogf]$   
A123116 8.13640  $[4*x*(x^2+8*x+1)/(x^2-34*x+1)/(x^2-6*x+1) ogf]$   
A123121 15.8413  $[(x+1)*(x^2-x+1)*(x^6-x^3+1)/(2*x-1)/(x-1) ogf]$   
A123121 9.61517  $(3-4*x+14*x^10-24*x^9+9*x^8)/(x-1)/(2*x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  lgdogf  
A123122 7.74505  $(7+11*x^{10}-x-5*x^4+10*x^{12}-21*x^{11}+6*x^8-8*x^7-4*x^6+x^3+9*x^5-3*x^2)/(x-1)/(x^{12}-x^{11}+x^8-x^6+x^5+x^3-x^2+3*x-5)$  lgdogf

A123122 8.29847 [  $-x^*(x^{12}-x^{11}+x^8-x^6+x^5+x^3-x^2+3*x-5)/(x-1)^2$  ogf]  
A123126 4.55035 [  $-(10*x^9+9*x^8+16*x^7+21*x^6+18*x^5-30*x^4+4*x^3-3*x^2-1)/(x^{10}+x^9+2*x^8+3*x^7+3*x^6-6*x^5+x^4-x^3-x+1)$  ogf]  
A123127 5.24175 [  $-(10*x^9-9*x^8-7*x^6+6*x^5-30*x^4+12*x^3+9*x^2+4*x+1)/(x^{10}-x^9-x^7+x^6-6*x^5+3*x^4+3*x^3+2*x^2+x+1)$  ogf]  
A123130 12.7810  $-(48*x-7+2*(1-6*x)^{(1/2)})/(8*x-1)/(6*x-1)$  lgdegf  
A123130 16.9039  $1/8-3/8*\exp(-4*x)+1/4*\exp(-2*x)$  revegfg  
A123138 12.2560  $-\ln(777156)+\ln(513642+x+(69439628196+x^2+1027284*x)^{(1/2}))$  revegfg  
A123138 13.1639  $-(85607+87838*x+85607*x^2)/(x-1)/(85607*x+43919)/(x+1)$  lgdogf  
A123138 14.2050 [  $-6*(85607*x+43919)/(x-1)/(x+1)$  ogf]  
A123138 9.78995 [  $\{a(n+2)-a(n), a(0) = 263514, a(1) = 513642\}$ , ogf]  
A123151 3.96324 [  $\{(n^2+9*n+22)*a(n+1)+(-2*n^3-18*n^2-52*n-48)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 7/6\}$ , egf]  
A123166 10.4080  $-(2-10*x+17*x^2)/(-1+x)/(4*x-1)/(x^2+3*x-1)$  lgdogf  
A123166 4.50709 [  $\{a(n+3)-5*a(n+2)+4*a(n+1), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A123166 8.67402 [  $-(x^2+3*x-1)/(4*x-1)/(x-1)$  ogf]  
A123167 13.3338 [  $(x^3+6*x^2+3*x+2)/(x+1)^2/(x-1)^2$  ogf]  
A123167 14.9156  $-(3+20*x+x^4+12*x^3+12*x^2)/(x-1)/(x+1)/(x^3+6*x^2+3*x+2)$  lgdogf  
A123168 11.2398 [  $x*(2*x^3+3*x^2+6*x+1)/(x+1)^2/(x-1)^2$  ogf]  
A123168 12.9384  $-2*(3+5*x+12*x^2+3*x^3+x^4)/(x-1)/(x+1)/(2*x^3+3*x^2+6*x+1)$  lgdogf  
A123169 12.2973 [  $2*x*(x^3+6*x^2+3*x+2)/(x+1)^2/(x-1)^2$  ogf]  
A123169 14.8883  $-(3+20*x+x^4+12*x^3+12*x^2)/(x-1)/(x+1)/(x^3+6*x^2+3*x+2)$  lgdogf  
A123169 4.26145 [  $\{(-2*n^2-3*n)*a(n)+(-4*n^2-18*n-20)*a(n+1)+(2*n^2-n)*a(n+2)+(4*n^2+10*n+4)*a(n+3), a(0) = 0, a(1) = 4, a(2) = 6\}$ , ogf]  
A123183 13.9775 [  $-(x^2-3*x+1)/(3*x-1)/(x-1)$  ogf]  
A123183 21.1536  $(1-4*x+5*x^2)/(x-1)/(3*x-1)/(x^2-3*x+1)$  lgdogf  
A123183 7.26280 [  $\{a(n+3)-4*a(n+2)+3*a(n+1), a(0) = -1, a(1) = -1, a(2) = -2\}$ , ogf]  
A123184 6.21331 [  $-(3*x^4+9*x^3-29*x^2+12*x-1)/(x-1)/(x^4-3*x^3-27*x^2+12*x-1)$  ogf]  
A123188 9.24523 [  $-(4*x^3+6*x^2-5*x-1)/(4*x^4-6*x^3-8*x^2+5*x+1)$  ogf]  
A123189 11.9038 [  $-(2*x-1)/(4*x^3-3*x^2-3*x+1)$  ogf]  
A123189 12.1181  $-(1+6*x-18*x^2+16*x^3)/(-1+2*x)/(4*x^3-3*x^2-3*x+1)$  lgdogf  
A123189 5.63304 [  $\{-a(n+3)+3*a(n+2)+3*a(n+1)-4*a(n), a(0) = 1, a(1) = 1, a(2) = 6\}$ , ogf]  
A123190 8.53760 [  $-(12*x^3+28*x^2-4*x-1)/(108*x^4-30*x^3-34*x^2+4*x+1)$  ogf]  
A123194 8.52519 [  $-(3*x^4+6*x^3-5*x^2-5*x+4)/(x-1)/(x^2+x-1)^2$  ogf]  
A123194 9.49539  $-(7+11*x+3*x^6+9*x^5-6*x^4-9*x^3+2*x^2)/(x-1)/(x^2+x-1)/(3*x^4+6*x^3-5*x^2-5*x+4)$  lgdogf  
A123197 17.2009  $-6*(4+41*x+34*x^2+x^3)/(x-1)/(3*x^3+65*x^2+29*x-1)$  lgdogf  
A123197 4.33231 [  $\{(-706*n^2-4783*n-7995)*a(n+1)+(312*n^2-1484*n-6688)*a(n+2)+(394*n^2+1867*n+2055)*a(n+3), a(0) = -1, a(1) = 24, a(2) = 195\}$ , ogf]  
A123197 9.78421 [  $-(3*x^3+65*x^2+29*x-1)/(x-1)^5$  ogf]  
A123198 13.5297  $-2*(2+69*x+25*x^3+144*x^2)/(x-1)/(25*x^3+71*x^2-x+1)$  lgdogf  
A123198 3.62327 [  $\{(1730*n^2+10385*n+15585)*a(n+1)+(-1744*n^2-3480*n+460)*a(n+2)+(14*n^2-41*n-249)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 81\}$ , ogf]  
A123198 8.06076 [  $-(25*x^3+71*x^2-x+1)/(x-1)^5$  ogf]  
A123203 10.9284 [  $-(4*x^2-2*x+1)/(2*x-1)/(x-1)^2$  ogf]  
A123203 15.5483  $-2*(-1+4*x^3)/(x-1)/(-1+2*x)/(4*x^2-2*x+1)$  lgdogf  
A123203 5.95210 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
A123208 11.6342 [  $-(x^3-3*x^2-3*x-1)/(x-1)/(x+1)/(2*x^2-1)$  ogf]  
A123208 9.15389  $-(3+12*x+2*x^6-15*x^4-8*x^3-12*x^5+6*x^2)/(x-1)/(x+1)/(2*x^2-1)/(x^3-3*x^2-3*x-1)$  lgdogf  
A123219 5.19524 [  $-(x^4+52*x^3-122*x^2-28*x+1)/(x-1)/(x^2-34*x+1)/(x^2+6*x+1)$  ogf]  
A123220 6.99888 [  $-(136*x^4-144*x^3+60*x^2-12*x+1)/(3*x-1)/(176*x^4-168*x^3+64*x^2-12*x+1)$  ogf]  
A123222 8.31892  $-(3-6*x+27*x^6-3*x^4+28*x^3-54*x^5-3*x^2)/(x-1)/(3*x^2-1)/$

$(9x^4-8x^3+4x-1)$  lgdogf  
A123222 9.47004 [  $-(x-1)*(3x^2-1)/(9x^4-8x^3+4x-1)$  ogf]  
A123224 3.34306 [  $\{(-7n-30)*a(n+1)+(98n+413)*a(n+2)+(-98n-329)*a(n+3)+(7n+23)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 35, a(3) = 428\}$ , ogf]  
A123224 9.47964 [  $(3x^2-11x+1)/(x^2-13x+1)/(x-1)^2$  ogf]  
A123228 5.92053  $-(7+160x^7+160x^8+2784x^5+7x^8+948x^6+948x^2+2784x^3+5578x^4)/(x+1)/(7x^4+80x^3+142x^2+32x+3)/(x^4+12x^3+62x^2+12x+1)$  lgdogf  
A123228 7.29246 [  $2*(7x^4+80x^3+142x^2+32x+3)/(x+1)/(x^4+12x^3+62x^2+12x+1)$  ogf]  
A123231 14.2068 [  $-(x^3+2x+1)/(x^4+x^2-1)$  ogf]  
A123231 14.7063  $-(2+2x+5x^4+4x^3+x^6+5x^2)/(x^3+2x+1)/(x^4+x^2-1)$  lgdogf  
A123236 5.88888 [  $-(150x^3-23x^2-9x+1)/(2400x^5-240x^4-370x^3+44x^2+10x-1)$  ogf]  
A123251 7.94085  $-(4+2x+48x^4+x^10-2x^9+12x^8-4x^7+22x^6+4x^3+9x^2)/(x-1)/(x+1)/(x^7-x^6+4x^5-x^4+3x^3+x^2+4x+1)/(x^2+1)$  lgdogf  
A123251 9.51375 [  $(x^7-x^6+4x^5-x^4+3x^3+x^2+4x+1)/(x^2+1)^2/(x-1)^2/(x+1)^2$  ogf]  
A123259 7.13081 [  $(7x^4+80x^3+142x^2+32x+3)/(x+1)/(x^4+12x^3+62x^2+12x+1)$  ogf]  
A123268 5.72422 [  $4x*(2x^2-73x+2)/(x^2-14x+1)/(x^2-194x+1)$  ogf]  
A123270 13.6693 [  $(4x-1)/(4x^2+5x-1)$  ogf]  
A123270 15.0688  $1/8*(-1-5x+(1-6x+41x^2)^{(1/2)})/(-1+x)$  revogf  
A123270 15.8619  $-(-1-8x+16x^2)/(4x-1)/(4x^2+5x-1)$  lgdogf  
A123270 7.50143 [  $\{-a(n+2)+5a(n+1)+4a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A123278 8.35200 [  $2*x*(3*x^2-74*x+3)/(x^2-98*x+1)/(x^2-10*x+1)$  ogf]  
A123282 5.74061 [  $8*x*(2*x^2-73*x+2)/(x^2-14*x+1)/(x^2-194*x+1)$  ogf]  
A123283 5.00629 [  $4*x*(3*x^2-74*x+3)/(x^2-98*x+1)/(x^2-10*x+1)$  ogf]  
A123290 10.1145 [  $-2*(4*x^2-3*x+1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A123290 5.50086 [  $\{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 2, a(1) = 8, a(2) = 36\}$ , ogf]  
A123290 9.03759  $-2*(2-10x+16x^4-24x^3+19x^2)/(x-1)/(2x-1)/(4x-1)/(4x^2-3x+1)$  lgdogf  
A123293 15.1856  $-4/(-1+x)$  lgdogf  
A123293 2.57527 [  $128x^2/(x-1)^4$  ogf]  
A123296 10.9738 [  $-25x/(x-1)^3$  ogf]  
A123296 4.46723 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 25, a(2) = 75\}$ , ogf]  
A123296 54.9438  $-3/(-1+x)$  lgdogf  
A123304 6.15976  $-(5+36x+2x^6+72x^5-52x^3+81x^4-36x^2)/(1+x)/(2x^3-3x^2-6x+1)/(x^3+18x^2+15x-4)$  lgdogf  
A123304 9.60492 [  $-(x^3+18x^2+15x-4)/(x+1)/(2x^3-3x^2-6x+1)$  ogf]  
A123330 12.0040 [  $-(-2x^3+2x^2-x-2)/(x^4+x^2+1)$  ogf\_with\_Euler\_transform]  
A123332 10.0084  $(-16x+5+2*(1-2x)^{(1/2)})/(8x-3)/(2x-1)$  lgdegf  
A123335 16.7121 [  $-(x+1)/(x^2-2x-1)$  ogf]  
A123335 25.4780  $-(-1+2x+x^2)/(x+1)/(x^2-2x-1)$  lgdogf  
A123335 9.17127 [  $\{a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = -1\}$ , ogf]  
A123336 5.73469  $-2*(-16+171x+3x^5-60x^4+402x^3-692x^2)/(x^2-14x+1)/(3x^2-22x+3)/(x^2-4x+1)$  lgdogf  
A123336 6.29194 [  $x*(3x^2-22x+3)/(x^2-14x+1)/(x^2-4x+1)$  ogf]  
A123344 19.2781 [  $(3x+1)/(2x+1)$  ogf]  
A123344 22.2131  $-1/6+1/3x+1/6*(1+8x+4x^2)^{(1/2)}$  revogf  
A123344 44.4262  $1/(2x+1)/(3x+1)$  lgdogf  
A123344 9.90678 [  $\{a(n+2)+2*a(n+1), a(0) = 1, a(1) = 1\}$ , ogf]  
A123347 2.93076 [  $-(x+1)/(2x^2+4x-1)$  ogf]  
A123348 3.43484 [  $-3x/(2x^2+4x-1)$  ogf]  
A123348 5.44977  $-4*(x+1)/(2x^2-1+4x)$  lgdogf  
A123350 13.7081  $-(3+10x+2x^4+15x^2)/(x-1)/(2x^4-4x^3+9x^2-2x+1)$  lgdogf  
A123350 7.94402 [  $-(2x^4-4x^3+9x^2-2x+1)/(x-1)^5$  ogf]  
A123362 13.2606 [  $(5x-1)/(5x^2+6x-1)$  ogf]  
A123362 14.2573  $1/10*(-1-6x+(1-8x+56x^2)^{(1/2)})/(-1+x)$  revogf

A123362 14.9884  $-( -1 - 10x + 25x^2 ) / ( 5x - 1 ) / ( 5x^2 + 6x - 1 )$  lgdogf  
A123362 7.27715  $[ \{-a(n+2) + 6a(n+1) + 5a(n), a(0) = 1, a(1) = 1\},$  ogf]  
A123363 12.6880  $-2 * ( 1 + 4x + 12x^2 + 9x^3 + 22x^4 ) / ( x - 1 ) / ( x + 1 ) / ( 9x^3 - x^2 + 5x - 1 )$   
lgdogf  
A123363 9.08733  $[ ( 9x^3 - x^2 + 5x - 1 ) / ( x + 1 ) / ( x - 1 )^4$  ogf]  
A123377 5.02899  $[ 2x * ( 5x^2 - 242x + 5 ) / ( x^2 - 18x + 1 ) / ( x^2 - 322x + 1 )$  ogf]  
A123378 4.87755  $[ 12x * ( 5x^2 - 541x + 5 ) / ( x^2 - 38x + 1 ) / ( x^2 - 1442x + 1 )$  ogf]  
A123379 5.08815  $[ 4x * ( 5x^2 - 242x + 5 ) / ( x^2 - 18x + 1 ) / ( x^2 - 322x + 1 )$  ogf]  
A123380 4.82215  $[ 24x * ( 5x^2 - 541x + 5 ) / ( x^2 - 38x + 1 ) / ( x^2 - 1442x + 1 )$  ogf]  
A123381 5.17446  $[ 8x * ( 5x^2 - 242x + 5 ) / ( x^2 - 18x + 1 ) / ( x^2 - 322x + 1 )$  ogf]  
A123385 4.65874  $[ \{(n^2 + 8n + 16) * a(n+1) - a(n+2), a(0) = 2, a(1) = 18\},$  ogf]  
A123392 13.3923  $[ -x^3 / ( x^4 + 2x^3 + 2x^2 + x - 1 )$  ogf]  
A123392 16.0522  $-( 2x + 1 ) * ( 2x^2 + 2x + 1 ) / ( 2x^2 - 1 + x + x^4 + 2x^3 )$  lgdogf  
A123393 4.71215  $[ 8x * ( 4x^2 - 337x + 4 ) / ( x^2 - 30x + 1 ) / ( x^2 - 898x + 1 )$  ogf]  
A123394 4.71215  $[ 16x * ( 4x^2 - 337x + 4 ) / ( x^2 - 30x + 1 ) / ( x^2 - 898x + 1 )$  ogf]  
A123395 4.91135  $[ 3x * ( 9x^2 - 382x + 9 ) / ( x^2 - 16x + 1 ) / ( x^2 - 254x + 1 )$  ogf]  
A123397 4.65956  $[ 4x * ( 9x^2 - 866x + 9 ) / ( x^2 - 34x + 1 ) / ( x^2 - 1154x + 1 )$  ogf]  
A123464 6.44725  $-2 / ( 2x - 1 )$  lgdogf  
A123478 12.9363  $[ -48 / ( x - 1 ) / ( x^2 - 254x + 1 )$  ogf]  
A123478 15.8056  $-3 * ( 85 - 170x + x^2 ) / ( x - 1 ) / ( x^2 - 254x + 1 )$  lgdogf  
A123478 4.68557  $[ \{a(n+3) - 255a(n+2) + 255a(n+1) - a(n), a(0) = 48, a(1) = 12240,$   
 $a(2) = 3108960\},$  ogf]  
A123479 13.6152  $[ -20 / ( x - 1 ) / ( x^2 - 98x + 1 )$  ogf]  
A123479 16.8146  $-3 * ( 33 - 66x + x^2 ) / ( x - 1 ) / ( x^2 - 98x + 1 )$  lgdogf  
A123479 4.87046  $[ \{a(n+3) - 99a(n+2) + 99a(n+1) - a(n), a(0) = 20, a(1) = 1980, a(2)$   
 $= 194040\},$  ogf]  
A123480 16.3656  $[ -4 / ( x - 1 ) / ( x^2 - 14x + 1 )$  ogf]  
A123480 20.2647  $-3 * ( 5 - 10x + x^2 ) / ( x - 1 ) / ( x^2 - 14x + 1 )$  lgdogf  
A123480 6.01471  $[ \{a(n+3) - 15a(n+2) + 15a(n+1) - a(n), a(0) = 4, a(1) = 60, a(2) =$   
 $840\},$  ogf]  
A123482 13.7727  $[ -60 / ( x - 1 ) / ( x^2 - 398x + 1 )$  ogf]  
A123482 16.4022  $-3 * ( 133 - 266x + x^2 ) / ( x - 1 ) / ( x^2 - 398x + 1 )$  lgdogf  
A123482 4.98853  $[ \{a(n+3) - 399a(n+2) + 399a(n+1) - a(n), a(0) = 60, a(1) = 23940,$   
 $a(2) = 9528120\},$  ogf]  
A123510 3.89445  $[ \{(n^3 + 11n^2 + 38n + 40) * a(n+1) + (-2n^2 - 16n - 30) * a(n+2) + (n+3) * a(n$   
 $+ 3), a(0) = 1, a(1) = 6, a(2) = 42\},$  ogf]  
A123510 6.97480  $-( -84 + 160x + 12x^2 - 16x^3 - 73x^4 ) / ( 3x^3 - 2x^2 - 12x + 12 ) / ( -1 + x )^2$   
lgdegf  
A123511 5.78186  $-( 420 - 960x + 80x^2 - 350x^3 + 316x^4 + 495x^5 ) / ( -2 + x ) /$   
 $( 16x^3 - 21x^2 - 18x + 24 ) / ( x - 1 )^2$  lgdegf  
A123512 2.91104  $[ \{(n^3 + 15n^2 + 68n + 84) * a(n+1) + (-2n^2 - 20n - 42) * a(n+2) + (n+3) * a(n$   
 $+ 3), a(0) = 1, a(1) = 10, a(2) = 105\},$  ogf]  
A123518 7.00538  $[ ( 2x^3 - 3x^2 + 2x + 1 ) / ( x^3 - x^2 - 3x + 1 )^2$  ogf]  
A123518 8.87206  $-2 * ( -4 - 2x - 7x^2 + 11x^3 + 3x^4 - 3x^5 ) / ( x^3 - x^2 - 3x + 1 ) /$   
 $( 2x^3 - 3x^2 + 2x + 1 )$  lgdogf  
A123520 10.0210  $[ -4 * ( x - 1 ) / ( x^2 - 4x + 1 )^2$  ogf]  
A123520 19.0292  $-( 7 - 8x + 3x^2 ) / ( x - 1 ) / ( x^2 - 4x + 1 )$  lgdogf  
A123522 12.0753  $-( 101 - 319x + 380x^2 ) / ( x - 1 ) / ( 19x - 10 ) / ( 10x - 1 )$  lgdogf  
A123522 4.71847  $[ \{-a(n+3) + 12a(n+2) - 21a(n+1) + 10a(n), a(0) = 0, a(1) = 10, a(2)$   
 $= 101\},$  ogf]  
A123522 8.90421  $[ x * ( 19x - 10 ) / ( 10x - 1 ) / ( x - 1 )^2$  ogf]  
A123525 7.21829  $-( -14 + 10x + 2x^2 - 12x^3 + 13x^4 ) / ( x^3 - 4x^2 + 2x + 2 ) / ( -1 + x )^2$   
lgdegf  
A123526 5.50863  $[ ( 6x^7 + 5x^6 + 4x^5 + 3x^4 + 2x^3 + x^2 - 1 ) /$   
 $( x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1 )$  ogf]  
A123530 8.46918  $[ -( 2x^4 + x^2 - x + 2 ) / ( -x^5 + x^4 - x^3 + x^2 - x + 1 )$   
ogf\_with\_Euler\_transform]  
A123532 11.7132  $[ -( -4x^5 - 7x^4 - 2x^3 - 2x^2 - 2x - 7 ) / ( x^6 - 1 )$   
ogf\_with\_Euler\_transform]  
A123552 21.3070  $[ 1 / ( x - 1 ) / ( x^4 + x^3 - 1 )$  ogf]  
A123552 24.5037  $-( -1 - 3x^2 + 5x^4 ) / ( x - 1 ) / ( x^4 + x^3 - 1 )$  lgdogf

A123555 5.60276 [ $\{(-27n^3-135n^2-222n-120)a(n+1)+(n^3+9n^2+23n+15)a(n+2), a(0) = 0, a(1) = 2\}$ ], ogf]  
A123569 4.09291 [ $-(x^{11}+x^{10}+x^9+2x^8-x^7-x^6-x^5-3x^4+x+1)/(x^4+x^3-1)/(x^4+x^2-1)/(x^4+x-1)$ ] ogf]  
A123578 25.2676 [ $-(2+x)/(-x-1)$  ogf\_with\_Euler\_transform]  
A123589 6.18208 [ $-(4+28x+91x^2+30x^3-130x^4+130x^5+137x^6)/(3x+1)/(x^3+x^2-1)/(20x^4-19x^3-15x^2-x+1)$  lgdogf]  
A123589 6.74409 [ $-(3x+1)(x^3+x^2-1)/(20x^4-19x^3-15x^2-x+1)$  ogf]  
A123596 11.7222 [ $-x^2(x^2+x+1)/(x-1)^3/(x+1)^3$  ogf]  
A123596 20.1792 [ $-(1+8x+5x^2+4x^3)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf]  
A123596 34.0882 [ $-x^2+3x+1$  ogf\_with\_Euler\_transform]  
A123613 5.46518 [ $(x^6+4x^5+8x^4+6x^3+10x^2+1)/(x^2+x+1)^2/(x-1)^6$  ogf]  
A123613 6.97396 [ $-4(1+6x+17x^2+39x^3+24x^4+24x^5+17x^6+6x^7+x^8)/(x-1)/(x^2+x+1)/(x^6+4x^5+8x^4+6x^3+10x^2+1)$  lgdogf]  
A123620 14.2004 [ $-(x^2+x+1)/(3x^2+3x-1)$  ogf]  
A123620 21.7526 [ $-4(2x+1)/(x^2+x+1)/(3x^2+3x-1)$  lgdogf]  
A123620 7.30700 [ $\{a(n+3)-3a(n+2)-3a(n+1), a(0) = 1, a(1) = 4, a(2) = 16\}$ ], ogf]  
A123633 14.7842 [ $-(-3x^2+3)/(x^4+x^2+1)$  ogf\_with\_Euler\_transform]  
A123642 3.23304 [ $\{(8n^2+32n+32)a(n+1)+(-6n^2-38n-52)a(n+2)+(n^2+13n+24)a(n+3)+(-3-n)a(n+4), a(0) = 0, a(1) = -1, a(2) = -2, a(3) = -2\}$ ], ogf]  
A123649 10.0966 [ $-(-x^6-x^5+2x^4-2x^2+x+1)/(x^8+x^4+1)$  ogf\_with\_Euler\_transform]  
A123650 6.27003 [ $-(x^5-6x^4-20x^3-70x^2-21x-4)/(x-1)^6$  ogf]  
A123650 9.30855 [ $-(-45-245x-84x^2-7x^3+4x^4-340x^5)/(x-1)/(x^5-6x^4-20x^3-70x^2-21x-4)$  lgdogf]  
A123654 5.64203 [ $x(200x^5+409x^4+200x^3-936x^2-1227x-264)/(x-1)/(x^6-6x^3+1)$  ogf]  
A123655 10.2976 [ $-(2x^8+x^7+x+2)/(x^{10}-x^8+x^2-1)$  ogf\_with\_Euler\_transform]  
A123655 4.76576 [ $-(21x^{16}+24x^{12}+87x^8+2x^4+49)/(52x^{20}+42x^{17}-125x^{16}+48x^{13}-98x^{12}+174x^9-42x^8+4x^5-100x^4+98x-49)$  ogf]  
A123656 5.20010 [ $-(x^6-4x^5+81x^4+272x^3+307x^2+60x+3)/(x-1)^7$  ogf]  
A123656 7.25085 [ $-(81+974x+x^6+223x^4+1412x^3-2x^5+2351x^2)/(x-1)/(x^6-4x^5+81x^4+272x^3+307x^2+60x+3)$  lgdogf]  
A123684 15.7562 [ $(2x^2+x+1)/(x+1)^2/(x-1)^2$  ogf]  
A123684 20.0226 [ $-(1+8x+4x^3+3x^2)/(x-1)/(x+1)/(2x^2+x+1)$  lgdogf]  
A123691 5.75371 [ $\{(27n^2+108n+105)a(n+1)+(-n^2-8n-15)a(n+2), a(0) = 1, a(1) = 3\}$ ], ogf]  
A123720 11.4279 [ $-(3x^2-4x+2)/(2x-1)/(x-1)^2$  ogf]  
A123720 14.2368 [ $-2(3x-2)(x^2-x+1)/(x-1)/(2x-1)/(3x^2-4x+2)$  lgdogf]  
A123720 6.22411 [ $\{a(n+3)-4a(n+2)+5a(n+1)-2a(n), a(0) = 2, a(1) = 4, a(2) = 9\}$ ], ogf]  
A123738 25.3428 [ $-x^{13}+2x^6+x$  ogf\_with\_Euler\_transform]  
A123738 8.19863 [ $-(x^6-x^5+x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A123738 8.62604 [ $-2x(-x^{10}-2x^8-3x^6+1+3x^4+3x^7+4x^5+x^{11}-x+2x^9+2x^2-2x^3)/(x-1)/(x^6+x^4+x^5+1+x+x^2+x^3)/(x^6-x^5+x^4-x^3+x^2-x+1)$  lgdogf]  
A123752 10.5693 [ $\{-a(n+2)+7a(n), a(0) = 1, a(1) = 2\}$ ], ogf]  
A123752 16.4985 [ $-(2x+1)/(7x^2-1)$  ogf]  
A123752 17.9218 [ $1/2/(2+7x)*(-1+(1+8x+28x^2)^{1/2})$  revogf]  
A123752 19.5032 [ $-2(1+7x+7x^2)/(1+2x)/(7x^2-1)$  lgdogf]  
A123758 4.81899 [ $-(-2x^7-3x^6-3x^5-4x^4-3x^3-2x^2-x-1)/(x^8+x^7+x^6+x^5-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A123759 3.24633 [ $-(-2x^{19}-x^{18}-x^{17}-x^{16}-x^{15}-2x^{14}-x^{13}-x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-2x^4-x^3-x^2-x-1)/(x^{20}-1)$  ogf\_with\_Euler\_transform]  
A123760 12.8980 [ $-(15x^3+13x^2+11x+9)/(2x^4-1)$  ogf]  
A123760 9.72410 [ $-(11+30x^6+52x^5+26x^4+66x^3+472x^2+45x)/(15x^3+13x^2+11x+9)/(2x^4-1)$  lgdogf]  
A123761 7.70156 [ $(60x^6-60x^5-15x^4-12x^3-3x^2-2x-1)/(120x^6-1)$  ogf]  
A123858 9.78894 [ $-(-2x^5-x^4+1)/(x^6+x^5-x-1)$  ogf\_with\_Euler\_transform]

A123865 14.9870  $-2*(-40-15*x+x^3-6*x^2)/(x-1)/(x^3-5*x^2-5*x-15)$  lgdogf  
A123865 4.34498  $[{(n^2+6*n+8)*a(n+1)+(24+8*n)*a(n+2)+(-n^2-6*n-8)*a(n+3), a(0) = 0, a(1) = 15, a(2) = 80}]$ , ogf]  
A123865 7.93432  $[x*(x^3-5*x^2-5*x-15)/(x-1)^5$  ogf]  
A123866 5.30856  $[x*(x^5-7*x^4-42*x^3-322*x^2-287*x-63)/(x-1)^7$  ogf]  
A123866 8.25945  $-2*(-364-1183*x-98*x^3-8*x^4+x^5-868*x^2)/(x-1)/(x^5-7*x^4-42*x^3-322*x^2-287*x-63)$  lgdogf  
A123871 13.7316  $[-(x^2+x+1)/(4*x^2+4*x-1)$  ogf]  
A123871 21.0312  $-5*(2*x+1)/(x^2+x+1)/(4*x^2+4*x-1)$  lgdogf  
A123871 7.06576  $[{a(n+3)-4*a(n+2)-4*a(n+1), a(0) = 1, a(1) = 5, a(2) = 25}]$ , ogf]  
A123877 12.3814  $[(2*x+1)/(3*x^2+3*x+1)$  ogf]  
A123877 17.0441  $-(1+6*x+6*x^2)/(1+2*x)/(3*x^2+3*x+1)$  lgdogf  
A123877 6.79470  $[{-a(n+2)-3*a(n+1)-3*a(n), a(0) = 1, a(1) = -1}]$ , ogf]  
A123879 7.53794  $[-(x-1)*(x^2-x+1)/(x^4-3*x^3+5*x^2-3*x+1)$  ogf]  
A123879 8.02404  $-(1-6*x+x^6-4*x^5-10*x^3+7*x^4+10*x^2)/(x-1)/(x^2-x+1)/(x^4-3*x^3+5*x^2-3*x+1)$  lgdogf  
A123884 4.03999  $[-(2*x^10-2*x^8-x^6+x^5-3*x^4-x^3-2*x^2-2)/(x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A123887 15.0508  $[-(x^2+x+1)/(5*x^2+5*x-1)$  ogf]  
A123887 23.0876  $-6*(1+2*x)/(x^2+x+1)/(5*x^2+5*x-1)$  lgdogf  
A123887 7.74457  $[{a(n+3)-5*a(n+2)-5*a(n+1), a(0) = 1, a(1) = 6, a(2) = 36}]$ , ogf]  
A123888 17.5471  $-(3-9*x^2+5*x^4)/(x-1)/(x^4+x^3-2*x^2-2*x+1)$  lgdogf  
A123888 21.2345  $[-1/(x-1)/(x^4+x^3-2*x^2-2*x+1)$  ogf]  
A123889 11.0274  $-(4+18*x^2-20*x^4+7*x^6)/(x-1)/(x^6+x^5-3*x^4-3*x^3+3*x^2+3*x-1)$  lgdogf  
A123889 14.8942  $[1/(x-1)/(x^6+x^5-3*x^4-3*x^3+3*x^2+3*x-1)$  ogf]  
A123890 12.8855  $[-1/(x-1)/(x^8+x^7-4*x^6-4*x^5+6*x^4+6*x^3-4*x^2-4*x+1)$  ogf]  
A123890 8.38546  $-(5-30*x^2+50*x^4-35*x^6+9*x^8)/(x-1)/(x^8+x^7-4*x^6-4*x^5+6*x^4+6*x^3-4*x^2-4*x+1)$  lgdogf  
A123891 13.5874  $[(x^3-3*x^2+1)/(x^3-3*x+1)$  ogf]  
A123891 19.5131  $3*(x^2-x+1)^2/(x^3-3*x^2+1)/(x^3-3*x+1)$  lgdogf  
A123891 6.73460  $[{a(n+4)-3*a(n+3)+a(n+1), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 18}]$ , ogf]  
A123892 9.90967  $[-(x^2+1)*(2*x^2+1)/(2*x^5-2*x^4+6*x^3-3*x^2+3*x-1)$  ogf]  
A123893 6.75533  $[-(2*x^2+1)*(3*x^2+1)*(x^2+1)/(6*x^7-6*x^6+22*x^5-11*x^4+18*x^3-6*x^2+4*x-1)$  ogf]  
A123894 4.97820  $[-(4*x^2+1)*(2*x^2+1)*(3*x^2+1)*(x^2+1)/(24*x^9-24*x^8+100*x^7-50*x^6+105*x^5-35*x^4+40*x^3-10*x^2+5*x-1)$  ogf]  
A123904 7.37577  $(9+1440*x^6-1416*x^5+172*x^4+90*x^3+27*x^2)/(2*x-1)/(180*x^6-56*x^5-27*x^4-9*x^3+x^2-x-2)$  lgdogf  
A123904 7.52553  $[-(180*x^6-56*x^5-27*x^4-9*x^3+x^2-x-2)/(2*x-1)^2$  ogf]  
A123908 9.85468  $-(x+1)*(3*x^5+5*x^4+8*x^3+4*x^2+3*x+1)/(x^2+x+1)/(x^5+2*x^4+2*x^3+x^2-1)$  lgdogf  
A123908 9.91604  $[-(x^2+x+1)/(x^5+2*x^4+2*x^3+x^2-1)$  ogf]  
A123919 10.9449  $-(1+3*x+2*x^4+5*x^7+x^6+2*x^3+8*x^5+2*x^2)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A123919 15.9746  $[x*(x^2+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A123919 24.5366  $[{x^5-x^3+x+1}]$  ogf\_with\_Euler\_transform]  
A123920 10.0204  $-2*(1+2*x^2+2*x^8-2*x^7+3*x^6+4*x^5+x^4+x^3)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^3-x^2+x+1)$  lgdogf  
A123920 13.3227  $[(x^3-x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A123932 13.7680  $[{a(n+2)-a(n+1), a(0) = 1, a(1) = 4}]$ , ogf]  
A123932 26.7917  $[-(3*x+1)/(x-1)$  ogf]  
A123932 29.4751  $-1/6-1/6*x+1/6*(1+14*x+x^2)^(1/2)$  revogf  
A123932 60.7924  $-4/(1+3*x)/(x-1)$  lgdogf  
A123941 22.5507  $[x/(x^3-3*x+1)$  ogf]  
A123941 28.2335  $-3*(x-1)*(x+1)/(1-3*x+x^3)$  lgdogf  
A123941 8.00186  $[{a(n+3)-3*a(n+2)+a(n), a(0) = 0, a(1) = 1, a(2) = 3}]$ , ogf]  
A123942 11.1152  $-(3+6*x-3*x^2-2*x^3+4*x^4+2*x^5)/(x^2+x-1)/(x^4+x^3-4*x^2-4*x+1)$  lgdogf  
A123942 9.87711  $[-x*(x^2+x-1)/(x^4+x^3-4*x^2-4*x+1)$  ogf]



A123943 10.4620 [  $-x^*(x^3-3*x+1)/(x^5-6*x^3+8*x-1)$  ogf]  
A123943 8.99724  $-(5+5*x^4+20*x^3-12*x^5-15*x^2+2*x^7)/(x^3-3*x+1)/(x^5-6*x^3+8*x-1)$  lgdogf  
A123946 4.21449 [  $(2*x^18-x^17-x^16+x^15+x^14-x^13+2*x^12-x^11-x^9+x^7+x^4-x^3+x^2+1)/(x-1)/(2*x^3-1)/(x^6+x^3+1)$  ogf]  
A123947 10.1450  $-(3+2*x^5+6*x-2*x^4-6*x^3+3*x^2)/(x^2-x-1)/(x^4+x^3-4*x^2-2*x+1)$  lgdogf  
A123947 9.02970 [  $-x*(x^2-x-1)/(x^4+x^3-4*x^2-2*x+1)$  ogf]  
A123950 12.5473 [  $-x*(2*x-1)/(2*x^3-3*x^2-3*x+1)$  ogf]  
A123950 13.2319  $-(1+6*x+8*x^3-12*x^2)/(2*x-1)/(2*x^3-3*x^2-3*x+1)$  lgdogf  
A123950 6.44322 [  $\{a(n+3)-3*a(n+2)-3*a(n+1)+2*a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
A123952 10.4828 [  $-(29*x^2-11*x+1)/(5*x-1)/(22*x^2-10*x+1)$  ogf]  
A123952 6.00299 [  $\{-a(n+3)+15*a(n+2)-72*a(n+1)+110*a(n), a(0) = 1, a(1) = 4, a(2) = 17\}$ , ogf]  
A123954 8.00375  $-4*(5-78*x+444*x^2-1091*x^3+975*x^4)/(-1+4*x)/(3*x-1)/(5*x-1)/(13*x^2-8*x+1)$  lgdogf  
A123954 9.07888 [  $-x^4/(4*x-1)/(3*x-1)/(5*x-1)/(13*x^2-8*x+1)$  ogf]  
A123955 8.51894  $-(24*x^2-24*x+5)*(30*x^2-20*x+3)/(3*x-1)/(-1+2*x)/(-1+4*x)/(6*x^2-6*x+1)$  lgdogf  
A123955 9.43637 [  $-x^4/(3*x-1)/(2*x-1)/(4*x-1)/(6*x^2-6*x+1)$  ogf]  
A123957 16.8517 [  $x^3/(2*x+1)/(2*x^3+x^2-2*x+1)$  ogf]  
A123957 19.6430  $-2*x*(-3+6*x+8*x^2)/(1+2*x)/(2*x^3+x^2-2*x+1)$  lgdogf  
A123958 21.2284 [  $x^2/(2*x^3+2*x^2+1)$  ogf]  
A123958 33.9226  $-2*x*(2+3*x)/(1+2*x^2+2*x^3)$  lgdogf  
A123958 9.46048 [  $\{-a(n+3)-2*a(n+1)-2*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A123959 15.3055  $-8*x*(-1-3*x+4*x^2+5*x^3)/(1-4*x^2-8*x^3+8*x^4+8*x^5)$  lgdogf  
A123959 15.5034 [  $1/(8*x^5+8*x^4-8*x^3-4*x^2+1)$  ogf]  
A123960 11.3508  $-(-11+90*x+196*x^3-240*x^2)/(45*x^2+1-11*x+49*x^4-80*x^3)$  lgdogf  
A123960 11.4073 [  $2*x^3/(49*x^4-80*x^3+45*x^2-11*x+1)$  ogf]  
A123968 13.4035 [  $(3*x-1)*(x-2)/(x-1)^3$  ogf]  
A123968 23.0250  $-(-1-8*x+3*x^2)/(x-1)/(x-2)/(3*x-1)$  lgdogf  
A123968 7.30011 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = -2, a(1) = 1, a(2) = 6\}$ , ogf]  
A123972 10.5603 [  $-(x^3-11*x^2+5*x-1)/(x-1)^4$  ogf]  
A123972 18.4641  $-(1-7*x+x^3-19*x^2)/(x-1)/(x^3-11*x^2+5*x-1)$  lgdogf  
A123975 10.2333 [  $-(-x^14-x^6+x^5-1)/(-x^16+x^15-x+1)$  ogf\_with\_Euler\_transform]  
A123977 7.11827  $(5-3*x-44*x^6+24*x^5-74*x^19+36*x^20+20*x^7+36*x^11-69*x^12+33*x^13+38*x^18)/(x-1)/(2*x^20-2*x^19+3*x^13-3*x^12+4*x^7-4*x^6+3*x-4)$  lgdogf  
A123977 9.71743 [  $-(2*x^20-2*x^19+3*x^13-3*x^12+4*x^7-4*x^6+3*x-4)/(x-1)^2$  ogf]  
A123991 9.65035  $-2*(1+5*x+10*x^6-4*x^5-8*x^4+7*x^3+9*x^7+10*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^4-x^2+1)$  lgdogf  
A123999 7.33730 [  $(x+1)^4*(x^2-x+1)^4*(x^6-x^3+x+1)^4$  ogf]  
A124007 20.4608  $-4/(-1+x)$  lgdogf  
A124007 3.51044 [  $54*x^2/(x-1)^4$  ogf]  
A124008 6.75896  $-3*(7+8*x)/(8*x+1)/(-1+x)$  lgdogf  
A124011 13.5257 [  $-(5*x^2-7*x+5)/(x-1)^3$  ogf]  
A124011 23.8088  $-(8-4*x+5*x^2)/(x-1)/(5*x^2-7*x+5)$  lgdogf  
A124011 7.30147 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 8, a(2) = 14\}$ , ogf]  
A124023 18.4889 [  $1/(2*x+1)/(2*x^2-4*x+1)$  ogf]  
A124023 19.0990  $-2*(-1-6*x+6*x^2)/(2*x+1)/(2*x^2-4*x+1)$  lgdogf  
A124023 6.70835 [  $\{a(n+3)-2*a(n+2)-6*a(n+1)+4*a(n), a(0) = 1, a(1) = 2, a(2) = 10\}$ , ogf]  
A124024 15.0524  $-2*(1-9*x+10*x^3-15*x^2)/(x^2-3*x+1)/(5*x^2+5*x+1)$  lgdogf  
A124024 15.7239 [  $1/(x^2-3*x+1)/(5*x^2+5*x+1)$  ogf]  
A124026 11.4891 [  $-x*(3*x-2)/(2*x+1)/(2*x^2-4*x+1)$  ogf]  
A124026 12.1718  $-(1+24*x+24*x^3-42*x^2)/(1+2*x)/(3*x-2)/(2*x^2-4*x+1)$  lgdogf  
A124026 5.89980 [  $\{a(n+3)-2*a(n+2)-6*a(n+1)+4*a(n), a(0) = 0, a(1) = 2, a(2) = 1\}$ , ogf]

A124062 9.56244  $-(1+2*x-4*x^4+3*x^8+2*x^7+x^6-2*x^3-6*x^5)/(x-1)/(x^2+x+1)/(x^3+x^2-1)/(x^3+x-1)$  lgdogf  
A124062 9.62778 [  $-(x-1)*(x^2+x+1)/(x^3+x^2-1)/(x^3+x-1)$  ogf]  
A124072 7.32984 [  $x*(x^3+x^2+1)/(x^2+1)/(x+1)^2/(x-1)^2$  ogf]  
A124072 7.43069  $-x*(4+3*x^5+4*x^4+2*x^3+8*x^2+3*x)/(-1+x)/(x+1)/(1+x^2)/(1+x^3+x^2)$  lgdogf  
A124080 100.980  $-3/(x-1)$  lgdogf  
A124080 17.8115 [  $-10*x/(x-1)^3$  ogf]  
A124080 7.25070 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 10, a(2) = 30\}$ , ogf]  
A124087 4.19083 [  $(429*x^7-3432*x^6+11880*x^5-23100*x^4+27300*x^3-19656*x^2+8008*x-1430)/(x-1)^9$  ogf]  
A124087 5.93163 [  $\{(n^2+21*n+54)*a(n+1)+(-n^2-13*n-22)*a(n+2), a(0) = 1430, a(1) = 4862\}$ , ogf]  
A124088 3.44772 [  $(1430*x^8-12870*x^7+51051*x^6-116688*x^5+168300*x^4-157080*x^3+92820*x^2-31824*x+4862)/(x-1)^{10}$  ogf]  
A124088 5.71111 [  $\{(n^2+23*n+60)*a(n+1)+(-n^2-14*n-24)*a(n+2), a(0) = 4862, a(1) = 16796\}$ , ogf]  
A124089 4.81079 [  $\{(n+8)*a(n+1)+(-2*n-11)*a(n+2)+(n+3)*a(n+3), a(0) = 0, a(1) = 6, a(2) = 27\}$ , ogf]  
A124089 5.67523 [  $x*(x-2)*(x^2-x+1)*(x^2-3*x+3)/(x-1)^7$  ogf]  
A124089 9.94238  $-(-27+50*x+2*x^5-13*x^4+36*x^3-55*x^2)/(x-1)/(x-2)/(x^2-x+1)/(x^2-3*x+3)$  lgdogf  
A124090 4.70515 [  $\{(n+9)*a(n+1)+(-2*n-12)*a(n+2)+(n+3)*a(n+3), a(0) = 0, a(1) = 7, a(2) = 35\}$ , ogf]  
A124090 4.86628 [  $x*(x^6-7*x^5+21*x^4-35*x^3+35*x^2-21*x+7)/(x-1)^8$  ogf]  
A124090 7.69318  $-(35-77*x+2*x^6-15*x^5+105*x^2-91*x^3+49*x^4)/(x-1)/(x^6-7*x^5+21*x^4-35*x^3+35*x^2-21*x+7)$  lgdogf  
A124093 11.7222 [  $-x^2*(x^3+x+1)/(x-1)^3/(x+1)^3$  ogf]  
A124093 20.1792  $-(1+6*x+8*x^2+3*x^4)/(x-1)/(x+1)/(x^3+x+1)$  lgdogf  
A124099 11.5525 [  $-1/(12*x-1)/(13*x-1)/(5*x-1)$  ogf]  
A124099 4.04336 [  $\{a(n+3)-30*a(n+2)+281*a(n+1)-780*a(n), a(0) = 1, a(1) = 30, a(2) = 619\}$ , ogf]  
A124099 9.87735  $-2*(15-281*x+1170*x^2)/(12*x-1)/(13*x-1)/(5*x-1)$  lgdogf  
A124100 10.5245  $-2*(20-511*x+3060*x^2)/(17*x-1)/(15*x-1)/(-1+8*x)$  lgdogf  
A124100 12.2510 [  $-1/(17*x-1)/(15*x-1)/(8*x-1)$  ogf]  
A124100 4.31797 [  $\{a(n+3)-40*a(n+2)+511*a(n+1)-2040*a(n), a(0) = 1, a(1) = 40, a(2) = 1089\}$ , ogf]  
A124101 11.8413  $-2*(28-943*x+6300*x^2)/(25*x-1)/(24*x-1)/(7*x-1)$  lgdogf  
A124101 13.4761 [  $-1/(25*x-1)/(24*x-1)/(7*x-1)$  ogf]  
A124101 4.74976 [  $\{a(n+3)-56*a(n+2)+943*a(n+1)-4200*a(n), a(0) = 1, a(1) = 56, a(2) = 2193\}$ , ogf]  
A124124 7.84912  $-(2+8*x+x^8-x^6-4*x^5+2*x^7+5*x^4-14*x^3-7*x^2)/(-1+x)/(x^2+2*x-1)/(x^2-2*x-1)/(x^4+x^3-2*x^2+x+1)$  lgdogf  
A124124 8.41882 [  $-(x^4+x^3-2*x^2+x+1)/(x-1)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A124125 5.04260 [  $-(68*x^4-597*x^3+346*x^2-51*x+2)/(5*x-1)/(16*x^2-12*x+1)/(x^2-18*x+1)$  ogf]  
A124133 10.7267 [  $x*(2*x-5)/(4*x-1)/(x-1)^2$  ogf]  
A124133 14.6833  $-2*(14-31*x+8*x^2)/(2*x-5)/(x-1)/(-1+4*x)$  lgdogf  
A124133 5.45912 [  $\{a(n+3)-6*a(n+2)+9*a(n+1)-4*a(n), a(0) = 0, a(1) = 5, a(2) = 28\}$ , ogf]  
A124152 10.2036  $-(35+115*x+8*x^4+49*x^3+153*x^2)/(x-1)/(4*x^4+11*x^3+30*x^2+11*x+4)$  lgdogf  
A124152 6.93148 [  $2*x*(4*x^4+11*x^3+30*x^2+11*x+4)/(x-1)^6$  ogf]  
A124156 9.62628 [  $(x^16-x^14-x^10+x^8-x^6+x^4+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A124157 5.37098  $-3/(-1+x)$  lgdogf  
A124158 11.0547  $(3+3*x-11*x^6+3*x^5+3*x^4+3*x^3+5*x^7+3*x^2)/(x-1)/(x^7-x^6-x^5-x^4-x^3-x^2-x-1)$  lgdogf

A124158 9.24392 [  $-x^*(x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x-1)^2$  ogf]  
A124161 15.5897  $-3*(-5+3*x+2*x^3-2*x^2)/(x-1)/(2*x^3-3*x^2+3*x-3)$  lgdogf  
A124161 4.31355 [  $\{(79*n^2+499*n+682)*a(n+1)+(-166*n^2-584*n+210)*a(n+2)+(87*n^2+45*n-42)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 3\}$ , ogf]  
A124161 7.71462 [  $-x^2*(2*x^3-3*x^2+3*x-3)/(x-1)^6$  ogf]  
A124166 11.1520  $-1/20*(-11*x-100+(81*x^2+2200*x+10000)^(1/2))/x$  revogf  
A124166 12.9913 [  $100*x/(10*x-1)/(x-1)$  ogf]  
A124166 20.1594  $-(-11+20*x)/(10*x-1)/(x-1)$  lgdogf  
A124166 6.26639 [  $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 0, a(1) = 100\}$ , ogf]  
A124167 12.3498  $-1/20*(-90-11*x+3*(900+220*x+9*x^2)^(1/2))/x$  revogf  
A124167 13.8015 [  $90*x/(10*x-1)/(x-1)$  ogf]  
A124167 20.8996  $-(-11+20*x)/(10*x-1)/(x-1)$  lgdogf  
A124167 6.57215 [  $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 0, a(1) = 90\}$ , ogf]  
A124174 6.26202  $-(-10+70*x+3*x^6+34*x^5-616*x^3-56*x^4+203*x^2)/(x-1)/(x^2+6*x+1)/(x^2+9*x+1)$  lgdogf  
A124174 9.07467 [  $-x*(x^2+9*x+1)/(x-1)/(x^2+6*x+1)/(x^2-6*x+1)$  ogf]  
A124191 10.4394  $1/28*(-4*x-3+(24*x^2+8*x+3)^(1/2)*3^(1/2))/x$  revogf  
A124191 12.3202 [  $-3*x/(14*x^2+4*x-1)$  ogf]  
A124191 18.3733  $-4*(1+7*x)/(14*x^2-1+4*x)$  lgdogf  
A124191 5.70934 [  $\{-a(n+2)+4*a(n+1)+14*a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A124217 11.0400 [  $-(x^2+x-1)/(x^4-x^2-2*x+1)$  ogf]  
A124217 12.6891  $-(1+x^2-4*x^3+3*x^4+2*x^5)/(x^2+x-1)/(x^4-x^2-2*x+1)$  lgdogf  
A124242 9.28538 [  $-(-x^6+x^5+x^4-x^2-x+1)/(x^8+x^6+x^4+x^2+1)$  ogf\_with\_Euler\_transform]  
A124243 9.23317 [  $-(-x^7-x^6+x^5-x^4+x^3-x^2+x-1)/(-x^9-1)$  ogf\_with\_Euler\_transform]  
A124280 14.7120 [  $-1/(x^4-x^3+x^2+x-1)$  ogf]  
A124280 17.0392  $-(1+2*x+4*x^3-3*x^2)/(x^2-1+x+x^4-x^3)$  lgdogf  
A124281 15.3593 [  $-1/(2*x^4-2*x^3+2*x^2+x-1)$  ogf]  
A124281 15.3878  $-(1+4*x-6*x^2+8*x^3)/(2*x^2-1+x+2*x^4-2*x^3)$  lgdogf  
A124292 11.5093  $-(1-8*x+15*x^4-30*x^3+24*x^2)/(5*x^2-5*x+1)/(3*x^3-9*x^2+6*x-1)$  lgdogf  
A124292 12.1028 [  $-(5*x^2-5*x+1)/(3*x^3-9*x^2+6*x-1)$  ogf]  
A124292 6.59168 [  $\{-a(n+3)+6*a(n+2)-9*a(n+1)+3*a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A124293 7.29040  $-(-1-16*x+102*x^2-330*x^3+577*x^4-528*x^5+209*x^6)/(19*x^3-24*x^2+9*x-1)/(11*x^4-37*x^3+32*x^2-10*x+1)$  lgdogf  
A124293 9.02847 [  $-(-19*x^3-24*x^2+9*x-1)/(11*x^4-37*x^3+32*x^2-10*x+1)$  ogf]  
A124294 5.67374 [  $-(-91*x^4-135*x^3+68*x^2-14*x+1)/(53*x^5-189*x^4+192*x^3-81*x^2+15*x-1)$  ogf]  
A124295 4.66734 [  $-(-531*x^5-881*x^4+535*x^3-151*x^2+20*x-1)/(309*x^6-1157*x^5+1314*x^4-669*x^3+170*x^2-21*x+1)$  ogf]  
A124296 6.17972 [  $-(-x^5+9*x^4-15*x^3+x^2+3*x-1)/(x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A124297 6.07463 [  $-(-11*x^5-21*x^4-15*x^3+31*x^2-7*x-1)/(x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A124302 15.0808 [  $(x^2-3*x+1)/(3*x-1)/(x-1)$  ogf]  
A124302 19.6419  $(1-4*x+5*x^2)/(x-1)/(-1+3*x)/(x^2-3*x+1)$  lgdogf  
A124302 7.83610 [  $\{a(n+3)-4*a(n+2)+3*a(n+1), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A124303 10.4996 [  $(3*x^3-9*x^2+6*x-1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A124303 5.52611 [  $\{-a(n+4)+7*a(n+3)-14*a(n+2)+8*a(n+1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5\}$ , ogf]  
A124303 9.31541  $(1-10*x+30*x^4-54*x^3+36*x^2)/(x-1)/(2*x-1)/(4*x-1)/(3*x^3-9*x^2+6*x-1)$  lgdogf  
A124311 19.2783  $-2*a(n)+(-1-n)*a(n+1), a(0)=-1, a(1)=4$  lgdegf  
A124312 13.5903  $-2*x*(-1-x^3-x^2+2*x^4-x)/(x-1)/(x^5+x^4+x^3+x^2+x-1)$  lgdogf  
A124312 9.40092 [  $x^2*(x-1)/(x^5+x^4+x^3+x^2+x-1)$  ogf]  
A124313 11.1425  $-2*x^3*(2*x^3-x-2+3*x^2+x^4)/(x^3+x^2+x-1)/(x^5+x^4+x^3+x^2+x-1)$  lgdogf  
A124313 8.43181 [  $(x^3+x^2+x-1)/(x^5+x^4+x^3+x^2+x-1)$  ogf]  
A124314 11.3816 [  $1/(x^5-x^4-x^3-x^2-x-1)$  ogf]

A124314 15.0196  $-( -1-2*x-3*x^2-4*x^3+5*x^4)/(-x^2-1-x-x^4-x^3+x^5)$  lgdogf  
A124340 6.43530  $[-(4*x^6+2*x^5+3*x^4+x^3+3*x^2+x+2)/(-x^7-x^6-x^5-x^4-x^3-x^2-x-1)]$  ogf\_with\_Euler\_transform]  
A124342 13.8820  $[-(x+1)/(2*x^3-2*x-1)]$  ogf]  
A124342 16.1632  $-(2*x+1)*(2*x^2+2*x-1)/(x+1)/(2*x^3-2*x-1)$  lgdogf  
A124342 6.64563  $[ \{a(n+3)+2*a(n+2)-2*a(n), a(0) = 1, a(1) = -1, a(2) = 2\},$  ogf]  
A124349 14.1274  $[-2*(4*x^2-3*x-3)/(x+1)/(x-1)^2]$  ogf]  
A124349 17.9829  $-2*(-3-2*x+2*x^3-x^2)/(x-1)/(x+1)/(4*x^2-3*x-3)$  lgdogf  
A124349 7.55939  $[ \{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 6, a(1) = 12, a(2) = 10\},$  ogf]  
A124350 11.7373  $-2*(3+9*x+7*x^4+10*x^3+x^5+18*x^2)/(x-1)/(x+1)/(x^2+1)/(x^2+4*x+1)$  lgdogf  
A124350 7.34328  $[ 4*x*(x^2+1)*(x^2+4*x+1)/(x+1)^2/(x-1)^4]$  ogf]  
A124351 13.0000  $[ 4*(8*x^3-16*x^2+6*x+3)/(x-1)^2]$  ogf]  
A124351 16.5765  $2*(2*x-3)*(2*x^2-3*x+2)/(x-1)/(8*x^3-16*x^2+6*x+3)$  lgdogf  
A124351 7.16099  $[ \{-a(n+4)+2*a(n+3)-a(n+2), a(0) = 12, a(1) = 48, a(2) = 20, a(3) = 24\},$  ogf]  
A124352 5.02719  $[ -4*(14*x^8+15*x^7-41*x^6-73*x^5+61*x^4+84*x^3-60*x^2-96*x+60)/(x^3+2*x^2+x-1)^2/(x-1)^3]$  ogf]  
A124353 11.1811  $[ -2*(3*x^4-4*x^3-8*x^2+3)/(x^3+2*x^2+x-1)/(x-1)^2]$  ogf]  
A124353 8.76455  $-( -29+9*x^7+33*x-12*x^5+15*x^6+56*x^2-38*x^3-70*x^4)/(x-1)/(x^3+2*x^2+x-1)/(9*x^4+3*x^3-15*x^2-19*x+16)$  lgdogf  
A124354 15.0892  $[ 4*(9*x^2-20*x+12)/(x-1)^2]$  ogf]  
A124354 27.6275  $2*(-2+x)/(x-1)/(9*x^2-20*x+12)$  lgdogf  
A124354 8.04759  $[ \{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 48, a(1) = 16, a(2) = 20\},$  ogf]  
A124355 19.8419  $[ -x^2/(x-1)]$  egf]  
A124355 5.87157  $[ \{(-n-2)*a(n+1)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 2\},$  ogf]  
A124355 71.1657  $-1/(x-1)$  lgdegf  
A124356 14.1811  $[ -2*(2*x^2-3*x-1)/(x+1)/(x-1)^2]$  ogf]  
A124356 18.8536  $-2*(-2-x+x^3-2*x^2)/(x-1)/(x+1)/(2*x^2-3*x-1)$  lgdogf  
A124356 7.72363  $[ \{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 2, a(1) = 8, a(2) = 6\},$  ogf]  
A124363 13.6366  $-(73-63*x+71*x^3-57*x^2)/(x-1)/(71*x^3-135*x^2+69*x+1)$  lgdogf  
A124363 9.27198  $[ (71*x^3-135*x^2+69*x+1)/(x-1)^4]$  ogf]  
A124370 14.0940  $[ -1/(x^4+3*x^3+2*x^2-1)]$  ogf]  
A124370 16.8604  $-x*(4+4*x^2+9*x)/(-1+2*x^2+3*x^3+x^4)$  lgdogf  
A124388 18.0293  $[ 9*(x+2)/(x-1)^2]$  ogf]  
A124388 27.1233  $-( -9-x+3*(9+3*x)^(1/2))/( -9+x)$  revogf  
A124388 45.2056  $-(5+x)/(x+2)/(x-1)$  lgdogf  
A124388 9.87319  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 18, a(1) = 45\},$  ogf]  
A124395 16.0671  $[ -(2*x-1)/(2*x^3-2*x+1)]$  ogf]  
A124395 22.1333  $-2*x^2*(4*x-3)/(2*x-1)/(2*x^3-2*x+1)$  lgdogf  
A124395 7.85891  $[ \{-a(n+3)+2*a(n+2)-2*a(n), a(0) = 1, a(1) = 0, a(2) = 0\},$  ogf]  
A124400 17.4212  $[ 1/(x+1)/(x^3-x^2-2*x+1)]$  ogf]  
A124400 18.9334  $-( -1-6*x+4*x^3)/(x+1)/(x^3-x^2-2*x+1)$  lgdogf  
A124427 21.9807  $(\exp(x)*x+\exp(x)+x+2)/(x+1)$  lgdegf  
A124436 5.75989  $8-12*f(x)+6*f(x)^2-f(x)^3$  lgdegf  
A124437 15.6729  $[ -100*x/(x-1)^3]$  ogf]  
A124437 6.40546  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 100, a(2) = 300\},$  ogf]  
A124437 90.7244  $-3/(x-1)$  lgdogf  
A124449 14.9814  $[ -( -4*x^5-3*x^4-2*x^2-3)/(x^6-1)]$  ogf\_with\_Euler\_transform]  
A124479 17.0979  $-(11+8*x+6*x^3-15*x^2)/(x-1)/(3*x^3-8*x^2+6*x+1)$  lgdogf  
A124479 4.28784  $[ \{(-119*n^2-865*n-1254)*a(n+1)+(232*n^2+1166*n+780)*a(n+2)+(-113*n^2-325*n-198)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 11\},$  ogf]  
A124479 9.14110  $[ -x*(3*x^3-8*x^2+6*x+1)/(x-1)^5]$  ogf]  
A124502 13.2437  $-( -1-2*x+7*x^6+6*x^5-5*x^4)/(x-1)/(x^2+x-1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A124502 15.5211  $[ 1/(x-1)/(x^2+x-1)/(x^4+x^3+x^2+x+1)]$  ogf]  
A124504 40.2553  $-1/2*x^2+\exp(x)$  lgdegf

A124593 4.08066 [  $-(x^{15}+x^{14}-x^{13}-4x^{12}-3x^{11}+3x^{10}+5x^9+4x^8-2x^7-3x^6-3x^5-x^4+2x^3+x^2-1)/(x+1)/(x^2+x+1)^2/(x-1)^4$  ogf ]  
A124610 13.1884 [  $(4x-1)/(2x^2+5x-1)$  ogf ]  
A124610 14.5279  $1/4*(-1-5x+(1-6x+33x^2)^{1/2})/(-2+x)$  revogf  
A124610 15.7058  $-(-1-4x+8x^2)/(4x-1)/(2x^2+5x-1)$  lgdogf  
A124610 7.23756 [  $\{-a(n+2)+5a(n+1)+2a(n), a(0) = 1, a(1) = 1\}$ , ogf ]  
A124615 17.3602  $-2*(2+8x+9x^2+11x^3)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A124615 37.5851 [  $(x+2)^2$  egf\_with\_Euler\_transform ]  
A124625 15.4807 [  $(2x^3-x^2+1)/(x+1)^2/(x-1)^2$  ogf ]  
A124625 20.2382  $-2x*(1+x^3-x^2+3x)/(x-1)/(x+1)/(2x^3-x^2+1)$  lgdogf  
A124630 3.87472 [  $-(x^{10}+3x^6+x^5+3x^4+1)/(x^2+1)/(x^2+x+1)^3/(x+1)^4/(x-1)^7$  ogf ]  
A124647 14.2659 [  $(3x+1)/(3x-1)^2$  ogf ]  
A124647 17.0069  $-1/6*(-1-6x+(1+24x)^{1/2})/(-1+3x)$  revogf  
A124647 26.2189  $-9*(x+1)/(3x-1)/(1+3x)$  lgdogf  
A124647 7.82885 [  $\{-a(n+2)+6a(n+1)-9a(n), a(0) = 1, a(1) = 9\}$ , ogf ]  
A124657 12.6786  $-(6^{1/2}-(36+6x)^{1/4})/(36+6x)^{1/4}$  revegf  
A124657 5.69755 [  $\{(-n-6)*a(n+1)+a(n+2), a(0) = 24, a(1) = 120\}$ , ogf ]  
A124657 63.3931  $-5/(x-1)$  lgdegf  
A124657 8.64128 [  $-24/(x-1)^5$  egf ]  
A124671 10.1355 [  $-(3x^2-3x+1)/(2x-1)/(x-1)^4$  ogf ]  
A124671 14.8437  $-(-3+13x+18x^2-24x^3)/(1+x)/(2x-1)/(3x^2-3x+1)$  lgdogf  
A124696 10.4645 [  $-(2x^3+x^2-1)/(x^2+2x-1)/(x-1)$  ogf ]  
A124696 11.6969  $(-3+4x+x^4-12x^3+6x^2)/(x-1)/(x^2+2x-1)/(2x^3+x^2-1)$  lgdogf  
A124696 5.11425 [  $\{a(n+4)-3a(n+3)+a(n+2)+a(n+1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 15\}$ , ogf ]  
A124697 7.37640  $-2*(2-6x-3x^2+24x^3-21x^4+6x^5+x^6)/(x^2-3x+1)/(x^2+x-1)/(3x^4-4x^3-3x^2+1)$  lgdogf  
A124697 9.74170 [  $-(3x^4-4x^3-3x^2+1)/(x^2-3x+1)/(x^2+x-1)$  ogf ]  
A124698 6.59168  $-(5-24x+12x^2+104x^3-192x^4+96x^5+8x^6)/(x-1)/(-1+2x)/(2x^2+2x-1)/(12x^4-4x^3-6x^2+1)$  lgdogf  
A124698 7.95824 [  $-(12x^4-4x^3-6x^2+1)/(x-1)/(2x-1)/(2x^2+2x-1)$  ogf ]  
A124699 6.15781 [  $-(5x^6+8x^5-27x^4+10x^2-1)/(x^3+3x^2-4x+1)/(x^3-x^2-2x+1)$  ogf ]  
A124700 4.62362 [  $-(2x-1)*(3x^6-6x^5-21x^4+12x^3+11x^2-2x-1)/(x-1)/(x^2+2x-1)/(x^4-4x^3-2x^2+4x-1)$  ogf ]  
A124701 4.57072 [  $-(36x^7-15x^6-96x^5+60x^4+28x^3-21x^2+1)/(2x-1)/(x^3-3x+1)/(3x^3-3x+1)$  ogf ]  
A124702 3.66769 [  $-(8x^9+21x^8-108x^7-30x^6+196x^5-63x^4-56x^3+28x^2-1)/(x-1)/(x^2-3x+1)/(x^2+x-1)/(x^4+6x^3+x^2-4x+1)$  ogf ]  
A124720 12.7227 [  $(3x-2)/(2x^2-1)/(2x-1)^2$  ogf ]  
A124720 15.8822  $-(5+2x+36x^3-38x^2)/(2x-1)/(3x-2)/(2x^2-1)$  lgdogf  
A124720 3.86110 [  $\{(4n+32)*a(n+1)+(-2n-14)*a(n+2)+(-2n-16)*a(n+3)+(n+7)*a(n+4), a(0) = 2, a(1) = 5, a(2) = 16, a(3) = 38\}$ , ogf ]  
A124721 13.2635  $-2*(2-x+8x^4-13x^3+3x^2)/(x-1)/(2x-1)/(2x^3-1)$  lgdogf  
A124721 7.66406 [  $2*(x-1)^2/(2x^3-1)/(2x-1)^3$  ogf ]  
A124722 10.4686  $-(-9+x+60x^4-138x^3+84x^2)/(x-1)/(2x-1)/(3x-2)/(2x^2-1)$  lgdogf  
A124722 6.03352 [  $-(3x-2)*(x-1)^2/(2x^2-1)^2/(2x-1)^4$  ogf ]  
A124723 4.32809 [  $2*(3x^2-2x+1)*(x-1)^2/(2x^5-1)/(2x-1)^5$  ogf ]  
A124723 6.67746  $-2*(3-5x+5x^4-3x^3+36x^8-79x^7+65x^6-31x^5+7x^2)/(x-1)/(2x-1)/(3x^2-2x+1)/(2x^5-1)$  lgdogf  
A124724 20.8292  $1-x-(-1+x)^{5/4}*(-1)^{3/4}$  revogf  
A124745 12.5017 [  $(x+1)/(x^3-x^2+1)$  ogf ]  
A124745 17.6706  $-(-1-2x+2x^3+2x^2)/(1+x)/(x^3-x^2+1)$  lgdogf  
A124745 6.51683 [  $\{-a(n+3)+a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf ]  
A124746 12.6269 [  $(x^2+1)/(x^5-x^4+1)$  ogf ]  
A124746 14.6422  $-x*(x-1)*(3x^4+x^3+6x^2+2x+2)/(x^2+1)/(x^5-x^4+1)$  lgdogf  
A124750 12.6211 [  $(x^2+x+1)/(x^4-x^3+1)$  ogf ]  
A124750 15.5300  $-(x-1)*(2x^4+4x^3+6x^2+3x+1)/(x^2+x+1)/(x^4-x^3+1)$  lgdogf

A124750 6.78681 [ $\{a(n+4)-a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1\}$ , ogf]  
A124751 10.7826 [ $(x^2+x+1)*(x^2-x+1)/(x^7-x^6+1)$  ogf]  
A124751 9.43978  $-x*(-2+5*x^7-4*x^6+7*x^5-2*x^8+3*x^9-4*x^2-6*x^4)/(x^2+x+1)/(x^2-x+1)/(x^7-x^6+1)$  lgdogf  
A124779 10.6372 [ $(36*x^35-36*x^34+12*x^11-12*x^10+4*x^3-3*x^2-x-1)/(x-1)$  ogf]  
A124779 7.35362  $(2+6*x+8*x^3-15*x^2+120*x^9-240*x^10+120*x^11+1224*x^35-2448*x^34+1224*x^33)/(x-1)/(36*x^35-36*x^34+12*x^11-12*x^10+4*x^3-3*x^2-x-1)$  lgdogf  
A124789 14.8323 [ $-(x^2+1)/(x^5+x^4-1)$  ogf]  
A124789 14.9601  $-x*(x+1)*(3*x^4-x^3+6*x^2-2*x+2)/(x^2+1)/(x^5+x^4-1)$  lgdogf  
A124791 19.7829  $(-1+x-x^2+(4*x+1)^{(1/2)})/(3+x^2)$  revogf  
A124793 5.16244 [ $\{a(n+3)+a(n+2)-32*a(n+1)-32*a(n), a(0) = 1, a(1) = 5, a(2) = 35\}$ , ogf]  
A124793 8.67915  $-(5+80*x+296*x^2+384*x^3+256*x^4)/(4*x+1)/(2*x+1)/(x+1)/(-1+32*x^2)$  lgdogf  
A124793 9.42351 [ $-(2*x+1)*(4*x+1)/(x+1)/(32*x^2-1)$  ogf]  
A124805 4.55363 [ $\{a(n+4)-4*a(n+3)+a(n+2)+2*a(n+1), a(0) = 1, a(1) = 4, a(2) = 14, a(3) = 46\}$ , ogf]  
A124805 9.38748 [ $-(4*x^3+x^2-1)/(x-1)/(2*x^2+3*x-1)$  ogf]  
A124805 9.79465  $2*(-2+2*x+7*x^2-16*x^3+x^4)/(x-1)/(2*x^2+3*x-1)/(4*x^3+x^2-1)$  lgdogf  
A124806 5.91058  $(-5+12*x-32*x^6+35*x^4-116*x^3+68*x^5+30*x^2-20*x^7+x^8)/(x^2+x-1)/(4*x^5+3*x^4-10*x^3-3*x^2+1)/(x^3-4*x+1)$  lgdogf  
A124806 6.58310 [ $-(4*x^5+3*x^4-10*x^3-3*x^2+1)/(x^2+x-1)/(x^3-4*x+1)$  ogf]  
A124807 5.31670 [ $-(5*x^6-8*x^5-15*x^4+16*x^3+6*x^2-1)/(x^3-x^2-4*x+1)/(x^3-x^2-2*x+1)$  ogf]  
A124810 10.1899 [ $3*(2*x-1)/(3*x^2-1)/(3*x-1)^2$  ogf]  
A124810 13.6794  $-2*(2+27*x^3-21*x^2)/(3*x-1)/(2*x-1)/(3*x^2-1)$  lgdogf  
A124811 8.15450 [ $(8*x^2-9*x+3)/(3*x^3-1)/(3*x-1)^3$  ogf]  
A124811 8.22007  $(-18+38*x-51*x^2+216*x^3-429*x^4+288*x^5)/(3*x-1)/(8*x^2-9*x+3)/(3*x^3-1)$  lgdogf  
A124812 5.80747 [ $-3*(2*x-1)*(3*x^2-3*x+1)/(3*x^2-1)^2/(3*x-1)^4$  ogf]  
A124812 8.19147  $(-7-15*x-504*x^4+351*x^3+270*x^5-81*x^2)/(3*x-1)/(2*x-1)/(3*x^2-3*x+1)/(3*x^2-1)$  lgdogf  
A124813 4.10157 [ $3*(16*x^4-27*x^3+18*x^2-6*x+1)/(3*x^5-1)/(3*x-1)^5$  ogf]  
A124817 9.05325  $-24-125*x+(24-15*x-225*x^2)*f(x)+(-135*x^3+20*x)*f(x)^2+(4*x^2-27*x^4)*f(x)^3$  lgdogf  
A124820 12.2332 [ $(x-1)/(x^3-3*x^2+4*x-1)$  ogf]  
A124820 14.1184  $(-3+6*x+2*x^3-6*x^2)/(x-1)/(x^3-3*x^2+4*x-1)$  lgdogf  
A124820 5.78895 [ $\{a(n+3)-4*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A124828 4.72597 [ $-(20*x^6-16*x^5-42*x^4+20*x^3+10*x^2-1)/(x-1)/(2*x^2+2*x-1)/(2*x^3-2*x^2-4*x+1)$  ogf]  
A124843 4.76325 [ $-(60*x^6-16*x^5-87*x^4+20*x^3+15*x^2-1)/(6*x^3+x^2-5*x+1)/(2*x^3-x^2-3*x+1)$  ogf]  
A124851 3.72106 [ $-(28*x^8+24*x^7-150*x^6-16*x^5+150*x^4-14*x^3-21*x^2+1)/(x+1)/(2*x^2-4*x+1)/(2*x^5+4*x^4-8*x^3-5*x^2+6*x-1)$  ogf]  
A124852 3.35007 [ $-(9*x^9+7*x^8-112*x^7-8*x^6+313*x^5-201*x^4-27*x^3+27*x^2+x-1)/(x-1)/(x+1)/(x^3+x^2-4*x+1)/(x^4-11*x^2+7*x-1)$  ogf]  
A124861 12.8470 [ $-1/(x^2+x+1)/(2*x^2+2*x-1)$  ogf]  
A124861 18.1271  $-(2*x+1)^3/(x^2+x+1)/(2*x^2+2*x-1)$  lgdogf  
A124862 5.21907  $-84+960*x-3072*x^2+(20-528*x-8192*x^3+3840*x^2)*f(x)+(-1-528*x^2+40*x+2560*x^3-4096*x^4)*f(x)^2$  lgdogf  
A124863 12.1010 [ $-(12*x^2-12*x+12)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A124867 12.7023 [ $-(x^6-x^5+x^3+8*x-10)/(x-1)^2$  ogf]  
A124867 13.8449  $(12-8*x-3*x^2+4*x^6+x^3+5*x^4-9*x^5)/(x-1)/(x^6-x^5+x^3+8*x-10)$  lgdogf  
A124869 5.60025 [ $-(625*x^10-125*x^7-39*x^6+65*x^5+7*x^4-13*x^3+2*x^2+x-1)/$

$(25*x^4-8*x^2+1)/(25*x^4+8*x^2+1)$  ogf]  
A124870 7.64700 [  $(31250*x^6-500*x^3-25*x^2-10*x-1)/(50*x^2-1)/(50*x^2+1)$  ogf]  
A124925 8.01358  $-(-3-2*x-3*x^8+13*x^6+6*x^5-2*x^9-17*x^4-8*x^3+x^{10}-3*x^2)/(x-1)/(x^2+x+1)/(x^8-x^7-x^6-2*x^5+4*x^4+2*x^3-x^2-3*x-1)$  lgdogf  
A124925 8.38010 [  $(x^8-x^7-x^6-2*x^5+4*x^4+2*x^3-x^2-3*x-1)/(x-1)^3/(x^2+x+1)^3$  ogf]  
A124972 14.2220 [  $-(8*x^2+8*x+8)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A124999 11.0987 [  $-(2*x-1)*(3*x^2+2*x+1)/(x-1)/(3*x^2+4*x-1)$  ogf]  
A124999 5.34383 [  $\{a(n+4)-5*a(n+3)+a(n+2)+3*a(n+1), a(0) = 1, a(1) = 5, a(2) = 23, a(3) = 101\}$ , ogf]  
A124999 8.38997  $(-5+4*x+22*x^2-60*x^3+3*x^4)/(x-1)/(2*x-1)/(3*x^2+4*x-1)/(3*x^2+2*x+1)$  lgdogf  
A125048 10.3110  $-8*(-253+256000*x)/(1024*x-1)/(1000*x-1)$  lgdogf  
A125048 4.61134 [  $\{a(n+2)-2024*a(n+1)+1024000*a(n), a(0) = 0, a(1) = 24\}$ , ogf]  
A125048 8.08704  $-1/256000*((3+506*x+3*x^2)^{(1/2)}*3^{(1/2)}-253*x-3)/x$  revogf  
A125048 8.92834 [  $24*x/(1024*x-1)/(1000*x-1)$  ogf]  
A125061 8.53969 [  $-(-2*x^8+x^7-x^4+x^3-2*x^2-1)/(x^9+x^6+x^3+1)$  ogf\_with\_Euler\_transform]  
A125079 5.68045 [  $-(-2*x^9+x^8-x^7-x^6-x^5-x^3+x^2-x-1)/(x^{10}+x^8+x^6+x^4+x^2+1)$  ogf\_with\_Euler\_transform]  
A125082 15.9872  $-(-3+20*x+66*x^2+36*x^3+x^4)/(x-1)/(x^4+16*x^3+6*x^2+2*x-1)$  lgdogf  
A125082 9.90285 [  $-(x^4+16*x^3+6*x^2+2*x-1)/(x-1)^5$  ogf]  
A125083 10.8438  $-2*(-2+15*x+x^5+134*x^2+176*x^3+36*x^4)/(x-1)/(2*x^5+31*x^4+76*x^3+10*x^2+2*x-1)$  lgdogf  
A125083 7.60536 [  $(2*x^5+31*x^4+76*x^3+10*x^2+2*x-1)/(x-1)^6$  ogf]  
A125095 6.32960 [  $-(2*x^5+2*x^4-x^3+x+2)/(-x^6+x^4-x^2+1)$  ogf\_with\_Euler\_transform]  
A125107 3.93188 [  $\{(-8*n^2-4*n)*a(n)+(6*n^2+6*n-6)*a(n+1)+(-n^2-2*n+3)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A125116 12.7784  $-2*(16+65*x+26*x^2+x^3)/(x-1)/(x+1)/(x^2+10*x+1)$  lgdogf  
A125116 3.74896 [  $-(x^2+10*x+1)^2*(x+1)^3/(x-1)^9$  ogf]  
A125128 20.6071 [  $-1/(2*x-1)/(x-1)^2$  ogf]  
A125128 22.9255  $-2*(-2+3*x)/(2*x-1)/(x-1)$  lgdogf  
A125128 6.74746 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 4, a(2) = 11\}$ , ogf]  
A125143 3.11993 [  $\{(-81*n^3-486*n^2-972*n-648)*a(n+1)+(-14*n^3-105*n^2-265*n-225)*a(n+2)+(-n^3-9*n^2-27*n-27)*a(n+3), a(0) = 1, a(1) = -3, a(2) = 9\}$ , ogf]  
A125145 14.1247 [  $-(x+1)/(3*x^2+3*x-1)$  ogf]  
A125145 14.1568  $1/2/(1+3*x)*(-1-3*x+((1+3*x)*(1+7*x))^{(1/2)})$  revogf  
A125145 18.3205  $-(4+6*x+3*x^2)/(x+1)/(3*x^2+3*x-1)$  lgdogf  
A125145 7.75134 [  $\{a(n+2)-3*a(n+1)-3*a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A125169 18.0389 [  $(x+15)/(x-1)^2$  ogf]  
A125169 21.9976  $-1/2*(-15-2*x+(225+64*x)^{(1/2)})/(x-1)$  revogf  
A125169 40.6955  $-(31+x)/(x+15)/(x-1)$  lgdogf  
A125169 9.87846 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 15, a(1) = 31\}$ , ogf]  
A125176 18.1020 [  $-(x^2+x+1)/(2*x-1)$  ogf]  
A125176 25.0151  $(-3-2*x+2*x^2)/(2*x-1)/(x^2+x+1)$  lgdogf  
A125176 9.69749 [  $\{-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 3, a(2) = 7\}$ , ogf]  
A125196 5.70231 [  $(x^4+x^3+6*x^2+x+1)/(x+1)/(x-1)^6$  ogf]  
A125196 9.20934  $-3*(2+8*x+13*x^3+13*x^2+3*x^4+x^5)/(x-1)/(x+1)/(x^4+x^3+6*x^2+x+1)$  lgdogf  
A125198 6.99031 [  $-(x^4+2*x^3+6*x^2+2*x+1)/(x+1)/(x-1)^7$  ogf]  
A125198 9.46800  $-4*(2+8*x+14*x^2+13*x^3+4*x^4+x^5)/(x-1)/(x+1)/(x^4+2*x^3+6*x^2+2*x+1)$  lgdogf  
A125200 11.2562 [  $(x^2+9*x+2)/(x-1)^4$  ogf]  
A125200 22.4124  $-(17+29*x+2*x^2)/(x-1)/(x^2+9*x+2)$  lgdogf  
A125200 3.86405 [  $\{(2*n+8)*a(n+4)+(4+7*n)*a(n+3)+(-45-8*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 2, a(1) = 17, a(2) = 57, a(3) = 134\}$ , ogf]  
A125201 13.2447 [  $-(x^2+13*x+2)/(x-1)^3$  ogf]

A125201 24.4252  $-(19+28*x+x^2)/(x-1)/(x^2+13*x+2)$  lgdogf  
A125201 7.20324  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 19, a(2) = 52}],$  ogf]  
A125202 16.6098  $[-(x^2+8*x-1)/(x-1)^3$  ogf]  
A125202 32.2979  $-(5+18*x+x^2)/(x-1)/(x^2+8*x-1)$  lgdogf  
A125202 8.96637  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = -1, a(1) = 5, a(2) = 19}],$  ogf]  
A125299 4.21195  $[-(x^{15}-x^{14}+x^9-x^8+x^7-x^6+x-2)/(x-1)^2$  ogf]  
A125301 6.38430  $[x^3*(x^8+x^7+x^6-4*x^5-4*x^4-2*x^3+9*x^2+3*x+1)/(x-1)^4/(x^2+x+1)^4$  ogf]  
A125301 6.50091  $-(3+18*x-25*x^6+70*x^4+17*x^3-12*x^5+6*x^2-20*x^7+6*x^8+5*x^9+4*x^{10})/(x-1)/(x^2+x+1)/(x^8+x^7+x^6-4*x^5-4*x^4-2*x^3+9*x^2+3*x+1)$  lgdogf  
A125316 5.71624  $[-(8*x^5+3*x^4-16*x^3-3*x^2+1)/(x^2+x-1)/(2*x^3-x^2-5*x+1)$  ogf]  
A125317 4.34932  $[-(6*x^7+5*x^6-28*x^5-15*x^4+28*x^3+6*x^2-1)/(x^3-x^2-2*x+1)/(x^4+2*x^3-3*x^2-5*x+1)$  ogf]  
A125318 3.83020  $[-(7*x^8-12*x^7-35*x^6+48*x^5+45*x^4-40*x^3-10*x^2+1)/(x+1)/(x^3-3*x+1)/(x^4-3*x^3-x^2+6*x-1)$  ogf]  
A125319 4.41007  $[-(28*x^7-52*x^6-58*x^5+138*x^4-36*x^3-14*x^2-x+1)/(x-1)/(x+1)/(2*x^2-4*x+1)/(2*x^3-6*x+1)$  ogf]  
A125320 3.38407  $[-(84*x^8-48*x^7-260*x^6+112*x^5+192*x^4-56*x^3-21*x^2+1)/(x+1)/(2*x^3-4*x+1)/(6*x^4-10*x^3-4*x^2+7*x-1)$  ogf]  
A125321 3.37701  $[-(224*x^8-48*x^7-540*x^6+112*x^5+318*x^4-56*x^3-28*x^2+1)/(4*x^3-2*x^2-4*x+1)/(8*x^5+2*x^4-18*x^3-2*x^2+7*x-1)$  ogf]  
A125343 4.39764  $[{a(n+4)-6*a(n+3)+a(n+2)+4*a(n+1), a(0) = 1, a(1) = 6, a(2) = 34, a(3) = 186}],$  ogf]  
A125343 9.08599  $2*(-3+2*x+15*x^2-48*x^3+2*x^4)/(x-1)/(4*x^2+5*x-1)/(8*x^3+x^2-1)$  lgdogf  
A125343 9.13355  $[-(8*x^3+x^2-1)/(x-1)/(4*x^2+5*x-1)$  ogf]  
A125344 6.11949  $[-(12*x^5+3*x^4-22*x^3-3*x^2+1)/(x^2+x-1)/(3*x^3-2*x^2-6*x+1)$  ogf]  
A125345 4.21621  $[-(12*x^7+5*x^6-48*x^5-15*x^4+40*x^3+6*x^2-1)/(x^3-x^2-2*x+1)/(2*x^4+3*x^3-5*x^2-6*x+1)$  ogf]  
A125346 3.39632  $[-(8*x^9+7*x^8-54*x^7-35*x^6+108*x^5+45*x^4-60*x^3-10*x^2+1)/(x+1)/(x^3-3*x+1)/(x^5-6*x^3+x^2+7*x-1)$  ogf]  
A125370 4.21621  $[{a(n+4)-7*a(n+3)+a(n+2)+5*a(n+1), a(0) = 1, a(1) = 7, a(2) = 47, a(3) = 307}],$  ogf]  
A125370 8.62408  $[-(10*x^3+x^2-1)/(x-1)/(5*x^2+6*x-1)$  ogf]  
A125370 8.70634  $(-7+4*x+38*x^2-140*x^3+5*x^4)/(x-1)/(5*x^2+6*x-1)/(10*x^3+x^2-1)$  lgdogf  
A125371 5.90159  $[-(16*x^5+3*x^4-28*x^3-3*x^2+1)/(x^2+x-1)/(4*x^3-3*x^2-7*x+1)$  ogf]  
A125372 4.50469  $[-(18*x^7+5*x^6-68*x^5-15*x^4+52*x^3+6*x^2-1)/(x+1)/(x^3-x^2-2*x+1)/(3*x^3+x^2-8*x+1)$  ogf]  
A125373 3.87572  $[-(16*x^8-9*x^7-87*x^6+52*x^5+116*x^4-71*x^3-9*x^2-x+1)/(x+1)/(x^3-3*x+1)/(2*x^4-3*x^3-6*x^2+9*x-1)$  ogf]  
A125396 4.50469  $[{a(n+4)-8*a(n+3)+a(n+2)+6*a(n+1), a(0) = 1, a(1) = 8, a(2) = 62, a(3) = 470}],$  ogf]  
A125396 9.17154  $2*(-4+2*x+3*x^4-96*x^3+23*x^2)/(x-1)/(6*x^2+7*x-1)/(12*x^3+x^2-1)$  lgdogf  
A125396 9.21414  $[-(12*x^3+x^2-1)/(x-1)/(6*x^2+7*x-1)$  ogf]  
A125397 6.23112  $[-(20*x^5+3*x^4-34*x^3-3*x^2+1)/(x+1)/(5*x^2-9*x+1)/(x^2+x-1)$  ogf]  
A125398 4.22181  $[-(24*x^7+5*x^6-88*x^5-15*x^4+64*x^3+6*x^2-1)/(x^3-x^2-2*x+1)/(4*x^4+5*x^3-9*x^2-8*x+1)$  ogf]  
A125421 4.20946  $[{a(n+4)-9*a(n+3)+a(n+2)+7*a(n+1), a(0) = 1, a(1) = 9, a(2) = 79, a(3) = 681}],$  ogf]  
A125421 8.56153  $(-9+4*x+54*x^2-252*x^3+7*x^4)/(-1+x)/(7*x^2+8*x-1)/(14*x^3+x^2-1)$  lgdogf  
A125421 8.61026  $[-(14*x^3+x^2-1)/(x-1)/(7*x^2+8*x-1)$  ogf]  
A125422 5.68481  $[-(24*x^5+3*x^4-40*x^3-3*x^2+1)/(x^2+x-1)/(6*x^3-5*x^2-9*x+1)$



ogf]  
 A125423 4.05074 [  $-(30x^7+5x^6-108x^5-15x^4+76x^3+6x^2-1)/(x^3-x^2-2x+1)/(5x^4+6x^3-11x^2-9x+1)$  ogf]  
 A125445 4.19099 [  $\{a(n+4)-10a(n+3)+a(n+2)+8a(n+1), a(0) = 1, a(1) = 10, a(2) = 98, a(3) = 946\}$ , ogf]  
 A125445 8.52103  $2*(-5+2x+31x^2-160x^3+4x^4)/(x-1)/(8x^2+9x-1)/(16x^3+x^2-1)$  lgdogf  
 A125445 8.56964 [  $-(16x^3+x^2-1)/(x-1)/(8x^2+9x-1)$  ogf]  
 A125446 5.49456 [  $-(28x^5+3x^4-46x^3-3x^2+1)/(x^2+x-1)/(7x^3-6x^2-10x+1)$  ogf]  
 A125447 4.05074 [  $-(36x^7+5x^6-128x^5-15x^4+88x^3+6x^2-1)/(x^3-x^2-2x+1)/(6x^4+7x^3-13x^2-10x+1)$  ogf]  
 A125468 3.99245 [  $\{a(n+4)-11a(n+3)+a(n+2)+9a(n+1), a(0) = 1, a(1) = 11, a(2) = 119, a(3) = 1271\}$ , ogf]  
 A125468 8.23318  $(18x^3+x^2-1)/(x-1)/(9x^2+10x-1)/(18x^3+x^2-1)$  lgdogf  
 A125468 8.28285 [  $-(18x^3+x^2-1)/(x-1)/(9x^2+10x-1)$  ogf]  
 A125469 5.52318 [  $-(32x^5+3x^4-52x^3-3x^2+1)/(x^2+x-1)/(8x^3-7x^2-11x+1)$  ogf]  
 A125470 3.65443 [  $-(42x^7+5x^6-148x^5-15x^4+100x^3+6x^2-1)/(x^3-x^2-2x+1)/(7x^4+8x^3-15x^2-11x+1)$  ogf]  
 A125501 5.23068 [  $-(2x-1)*(x^4-12x^3+19x^2-8x+1)/(x^6-36x^5+105x^4-112x^3+54x^2-12x+1)$  ogf]  
 A125513 5.04778 [  $-(x^9+x^8+x^7+x^6+x^5-x^4-3x^3-2x^2-2x-2)/(x^{10}+x^7-2x^5-x^4-x^2-x+1)$  ogf]  
 A125520 4.03603 [  $-3*(30x^3+14x+1)/(10x-1)/(x-1)/(10x^2-1)$  ogf]  
 A125528 4.90740 [  $\{(16n^2+16n+4)*a(n)+(-n^2-3n-2)*a(n+1), a(0) = 1, a(1) = 1\}$ , ogf]  
 A125577 12.0826 [  $(x^3-4x^2+2x-1)/(x+1)/(x-1)^3$  ogf]  
 A125577 16.7700  $-x*(-8+x^3-6x^2+x)/(x-1)/(x+1)/(x^3-4x^2+2x-1)$  lgdogf  
 A125586 11.2413 [  $-(10x^2-6x+1)/(4x-1)/(3x-1)^2$  ogf]  
 A125586 12.3760  $-2*(-2+17x+60x^3-52x^2)/(-1+4x)/(3x-1)/(10x^2-6x+1)$  lgdogf  
 A125586 6.29902 [  $\{a(n+3)-10a(n+2)+33a(n+1)-36a(n), a(0) = 1, a(1) = 4, a(2) = 17\}$ , ogf]  
 A125629 4.21718 [  $-1/(x^2+1)/(x^4-x+1)$  ogf]  
 A125629 6.41011  $-(-1+2x+6x^5+4x^3-3x^2)/(x^2+1)/(x^4-x+1)$  lgdogf  
 A125630 3.53068 [  $-9*(4480x^7-12176x^6+11772x^5-6168x^4+1809x^3-303x^2+27x-1)/(x-1)/(6x-1)/(4x-1)/(3x-1)/(2x-1)/(8x-1)/(7x-1)/(5x-1)$  ogf]  
 A125641 17.2149  $-(5+6x+4x^3+15x^2)/(x-1)/(2x^3+3x^2+1)$  lgdogf  
 A125641 9.09255 [  $-(2x^3+3x^2+1)/(x-1)^5$  ogf]  
 A125651 4.35253 [  $\{a(n+4)-7a(n+3)+7a(n+2)-a(n+1), a(0) = 1, a(1) = 3, a(2) = 24, a(3) = 147\}$ , ogf]  
 A125651 8.39417 [  $(x^3-10x^2+4x-1)/(x-1)/(x^2-6x+1)$  ogf]  
 A125651 8.99085  $3*(1+2x-14x^2+2x^3+x^4)/(-1+x)/(x^3-10x^2+4x-1)/(x^2-6x+1)$  lgdogf  
 A125652 6.40041  $-3*(x-1)*(x+1)*(x^4+6x^3+38x^2+6x+1)/(x^2+6x+1)/(x^2-6x+1)/(x^4+3x^3-25x^2+3x+1)$  lgdogf  
 A125652 7.67219 [  $(x^4+3x^3-25x^2+3x+1)/(x^2+6x+1)/(x^2-6x+1)$  ogf]  
 A125664 8.50252 [  $-(10x^{16}+10x^8-13x^4-2x^3-2x^2-x-12)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
 A125665 7.03287 [  $-(120x^{24}-110x^{20}-10x^{12}+10x^8-13x^4-2x^3-2x^2-x-2)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
 A125682 18.3022  $-1/12*(-3-7x+(9+42x+25x^2)^{1/2})/x$  revogf  
 A125682 21.4499 [  $3/(6x-1)/(x-1)$  ogf]  
 A125682 27.8194  $-(-7+12x)/(6x-1)/(-1+x)$  lgdogf  
 A125682 8.52829 [  $\{-a(n+2)+7a(n+1)-6a(n), a(0) = 3, a(1) = 21\}$ , ogf]  
 A125687 14.6714  $-1/12*(-4-7x+(16+56x+25x^2)^{1/2})/x$  revogf  
 A125687 21.7309 [  $4/(6x-1)/(x-1)$  ogf]  
 A125687 23.8410  $-(-7+12x)/(6x-1)/(x-1)$  lgdogf

A125687 8.64001 [ $\{-a(n+2)+7a(n+1)-6a(n), a(0) = 4, a(1) = 28\}$ , ogf]  
A125691 18.3097  $\frac{-(-1-6x+3x^2)}{(-3x^2+1-x+x^3)}$  lgdogf  
A125691 22.4925 [ $1/(x^3-3x^2-x+1)$  ogf]  
A125691 7.43054 [ $\{a(n+3)-a(n+2)-3a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A125695 10.5829  $-1/2*(-5x-1+(1+2x+9x^2)^{(1/2)})/x/(1+2x)/(1+2x+9x^2)^{(1/2)}$  lgdogf  
A125695 18.5202  $-1/4-1/4x+1/4*((1+x)*(9x+1))^{(1/2)}$  revogf  
A125725 16.6214 [ $2x/(7x-1)/(x-1)$  ogf]  
A125725 17.3103  $-1/7*(-1-4x+(1+8x+9x^2)^{(1/2)})/x$  revogf  
A125725 24.2344  $-2*(-4+7x)/(7x-1)/(x-1)$  lgdogf  
A125725 7.59251 [ $\{a(n+2)-8a(n+1)+7a(n), a(0) = 0, a(1) = 2\}$ , ogf]  
A125726 8.02129  $(4+6x-6x^8+16x^6-36x^5+20x^4+4x^3+8x^7-12x^2-11x^{10}+9x^{11})/(x-1)/(x^{11}-x^8+4x^6-4x^5+4x^3-2x^2-2x-1)$  lgdogf  
A125726 9.99586 [ $-(x^{11}-x^8+4x^6-4x^5+4x^3-2x^2-2x-1)/(x-1)^2$  ogf]  
A125729 14.4410  $-1/14*(-5-8x+(25+80x+36x^2)^{(1/2)})/x$  revogf  
A125729 15.4644 [ $5x/(7x-1)/(x-1)$  ogf]  
A125729 22.5279  $-2*(-4+7x)/(7x-1)/(x-1)$  lgdogf  
A125729 7.06400 [ $\{a(n+2)-8a(n+1)+7a(n), a(0) = 0, a(1) = 5\}$ , ogf]  
A125758 14.6993 [ $(2x^2+3x+4)/(x+1)/(x-1)^2$  ogf]  
A125758 18.7294  $-(7+19x+2x^3+8x^2)/(x-1)/(x+1)/(2x^2+3x+4)$  lgdogf  
A125758 7.93504 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 7, a(2) = 13\}$ , ogf]  
A125816 13.4962 [ $(x-1)/(12x^2+2x-1)$  ogf]  
A125816 16.0075  $\frac{-(-1-24x+12x^2)}{(x-1)/(12x^2+2x-1)}$  lgdogf  
A125816 16.0075  $1/2/(12x-1)*(-1-2x+(52x^2+1)^{(1/2)})$  revogf  
A125816 7.47984 [ $\{-a(n+2)+2a(n+1)+12a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A125817 16.1792  $1/34*(-2x-3+(24x^2+4x+3)^{(1/2)}*3^{(1/2)})/x$  revogf  
A125817 18.9847 [ $-3x/(17x^2+2x-1)$  ogf]  
A125817 27.3801  $-2*(1+17x)/(17x^2-1+2x)$  lgdogf  
A125817 8.79777 [ $\{-a(n+2)+2a(n+1)+17a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A125818 16.0284 [ $(x-1)/(17x^2+2x-1)$  ogf]  
A125818 18.5794  $\frac{-(-1-34x+17x^2)}{(-1+x)/(17x^2+2x-1)}$  lgdogf  
A125818 8.88323 [ $\{-a(n+2)+2a(n+1)+17a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A125819 18.1870  $1/194/x*(-1-2x+(1+4x+392x^2)^{(1/2)})$  revogf  
A125819 18.4274 [ $-x/(97x^2+2x-1)$  ogf]  
A125819 26.5810  $-2*(1+97x)/(97x^2-1+2x)$  lgdogf  
A125819 8.53951 [ $\{-a(n+2)+2a(n+1)+97a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A125820 14.7833 [ $(x-1)/(97x^2+2x-1)$  ogf]  
A125820 17.1294  $\frac{-(-1-194x+97x^2)}{(x-1)/(97x^2+2x-1)}$  lgdogf  
A125820 8.19314 [ $\{-a(n+2)+2a(n+1)+97a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A125823 15.3835 [ $4x/(7x-1)/(x-1)$  ogf]  
A125823 15.5612  $-1/7*(-2-4x+(4+16x+9x^2)^{(1/2)})/x$  revogf  
A125823 22.4081  $-2*(-4+7x)/(7x-1)/(x-1)$  lgdogf  
A125823 7.02702 [ $\{a(n+2)-8a(n+1)+7a(n), a(0) = 0, a(1) = 4\}$ , ogf]  
A125829 6.56951 [ $-(2x^{13}+2x^{12}+2x^{11}+x^{10}+2x^9+2x^8+2x^7+x^6+x^5+x^4+x^2+x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A125831 19.2401 [ $2x/(5x-1)/(x-1)$  ogf]  
A125831 20.0671  $-1/5*(-1-3x+(1+6x+4x^2)^{(1/2)})/x$  revogf  
A125831 28.0940  $-2*(-3+5x)/(5x-1)/(x-1)$  lgdogf  
A125831 8.78868 [ $\{a(n+2)-6a(n+1)+5a(n), a(0) = 0, a(1) = 2\}$ , ogf]  
A125833 15.5365  $-1/10*(-3-6x+(9+36x+16x^2)^{(1/2)})/x$  revogf  
A125833 16.2071 [ $3x/(5x-1)/(x-1)$  ogf]  
A125833 23.6155  $-2*(-3+5x)/(5x-1)/(x-1)$  lgdogf  
A125833 7.40323 [ $\{a(n+2)-6a(n+1)+5a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A125835 15.0575  $-1/16*(-2-9x+(4+36x+49x^2)^{(1/2)})/x$  revogf  
A125835 15.7074 [ $2x/(8x-1)/(x-1)$  ogf]  
A125835 23.8410  $\frac{-(-9+16x)}{(8x-1)/(x-1)}$  lgdogf  
A125835 7.17496 [ $\{a(n+2)-9a(n+1)+8a(n), a(0) = 0, a(1) = 2\}$ , ogf]

A125836 15.2859  $-1/16*(-5-9*x+(25+90*x+49*x^2)^{(1/2)})/x$  revogf  
A125836 16.3551  $[5*x/(8*x-1)/(x-1)$  ogf]  
A125836 24.8396  $-(-9+16*x)/(8*x-1)/(x-1)$  lgdogf  
A125836 7.47083  $[{a(n+2)-9*a(n+1)+8*a(n), a(0) = 0, a(1) = 5},$  ogf]  
A125837 14.9787  $-1/16*(-6-9*x+(36+108*x+49*x^2)^{(1/2)})/x$  revogf  
A125837 16.4360  $[6*x/(8*x-1)/(x-1)$  ogf]  
A125837 24.9644  $-(-9+16*x)/(8*x-1)/(x-1)$  lgdogf  
A125837 7.50781  $[{a(n+2)-9*a(n+1)+8*a(n), a(0) = 0, a(1) = 6},$  ogf]  
A125849 4.42251  $[x^3*(x^6+18*x^5+35*x^4+62*x^3+31*x^2+12*x+1)/(x+1)^4/(x-1)^6$  ogf]  
A125849 6.62143  $-2*(7+48*x+126*x^5+297*x^4+256*x^3+46*x^6+2*x^7+178*x^2)/(x-1)/(x+1)/(x^6+18*x^5+35*x^4+62*x^3+31*x^2+12*x+1)$  lgdogf  
A125857 13.8640  $-1/9*(-5*x-1+(1+2*x)^{(1/2)}*(1+8*x)^{(1/2)})/x$  revogf  
A125857 15.9247  $[2*x/(9*x-1)/(x-1)$  ogf]  
A125857 23.8460  $-2*(-5+9*x)/(9*x-1)/(x-1)$  lgdogf  
A125857 7.37972  $[{a(n+2)-10*a(n+1)+9*a(n), a(0) = 0, a(1) = 2},$  ogf]  
A125880 3.55838  $[-2*(20160*x^7-54792*x^6+53420*x^5-28436*x^4+8441*x^3-1439*x^2+131*x-5)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A125897 3.19853  $[-2*(20160*x^7-54792*x^6+53344*x^5-28304*x^4+8374*x^3-1427*x^2+130*x-5)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A125904 3.21348  $[-2*(20160*x^7-54792*x^6+53362*x^5-28337*x^4+8392*x^3-1430*x^2+130*x-5)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A125905 16.2407  $1/2*(-4*x+1+(-1+2*x)^{(1/2)}*(-1+6*x)^{(1/2)})/x$  revogf  
A125905 23.7531  $[1/(x^2+4*x+1)$  ogf]  
A125905 35.7296  $-2*(x+2)/(x^2+1+4*x)$  lgdogf  
A125905 8.40049  $[{a(n+2)+4*a(n+1)+a(n), a(0) = 1, a(1) = -4},$  ogf]  
A125908 4.01866  $[-8*(630*x^6-1476*x^5+1457*x^4-664*x^3+162*x^2-20*x+1)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A125909 4.09173  $[-(5040*x^6-11988*x^5+11944*x^4-5479*x^3+1367*x^2-173*x+9)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A125910 4.10999  $[-3*(1680*x^6-3976*x^5+3946*x^4-1807*x^3+451*x^2-57*x+3)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A125912 7.70458  $[-(2*x^23+2*x^15+4*x^10+2*x^9+x^8+2*x^7+2*x^6+x^5+x^3+x^2+1)/(x-1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A125913 6.75626  $[-(x^11+4*x^8+2*x^6+2*x^4+x^2-x+1)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A125914 9.23024  $[-(x^10+4*x^8+2*x^7+2*x^6+2*x^5+2*x^4+x^3+x^2+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A125915 10.7309  $[-(x^9+4*x^7+4*x^6+2*x^5+2*x^4+2*x^3+x^2+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A125916 8.69255  $[-x*(2*x^9+2*x^8+x^7+2*x^6+2*x^5+x^4+x^3+x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A125918 8.21331  $[-(x^13+4*x^10+2*x^9+2*x^8+2*x^7+2*x^6+2*x^5+x^4+x^3+x+1)/(x-1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A125919 7.88301  $[-(2*x^21+2*x^17+4*x^9+x^8+2*x^7+x^5+x^4+2*x^3+2*x^2+x+1)/(x-1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A125922 8.25246  $[-(3*x^10-3*x^8+3*x^6+x^4-x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A125923 11.6949  $[-(4*x^23-4*x^18+5*x^9+4*x^3+3*x^2+2*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A125924 8.90553  $[-(2*x^11-2*x^9+4*x^7-x^5+2*x^3+1)/(x-1)/(x+1)/(x^4+1)$  ogf]  
A125925 11.7700  $[-(2*x^7+x^5+2*x^3+x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A125927 7.76878  $[-x*(x^18+x^14-x^9+4*x^8+2*x^7+2*x^6+x^4+2*x^3+2*x^2+x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A125938 9.43299  $[-(x^16+2*x^9+4*x^8+4*x^7+2*x^5+2*x^4+2*x^3+x^2+x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A125944 5.66165  $[-(2*x^19+11*x^15+7*x^14+8*x^13+x^12+4*x^11+2*x^10+8*x^9+x^8+4*x^7+7*x^6+2*x^5+x^4$

$+6*x^3+4*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]
   
 A125945 4.12140 [  $-2*(2520*x^6-6054*x^5+6063*x^4-2794*x^3+712*x^2-92*x+5)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]
   
 A125946 4.13955 [  $-2*(2520*x^6-6042*x^5+6043*x^4-2783*x^3+708*x^2-91*x+5)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]
   
 A125947 4.12826 [  $-3*(1680*x^6-3988*x^5+3968*x^4-1819*x^3+453*x^2-57*x+3)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]
   
 A125948 3.72962 [  $-2*(2520*x^6-6012*x^5+5990*x^4-2754*x^3+701*x^2-90*x+5)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]
   
 A125950 5.82243 [  $-(2*x^9+3*x^8+3*x^7+2*x^6+x^5-x^3-2*x^2-2*x-1)/(x^{10}+x^9-x^7-x^6-x^5-x^4-x^3+x+1)$  ogf]
   
 A125962 12.0978  $-1/18*(-5-10*x+(4*x+5)^{(1/2)}*(16*x+5)^{(1/2)})/x$  revogf
   
 A125962 18.5075 [  $5*x/(9*x-1)/(x-1)$  ogf]
   
 A125962 21.4038  $-2*(-5+9*x)/(9*x-1)/(-1+x)$  lgdogf
   
 A125962 8.57663 [  $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 0, a(1) = 5\}$ , ogf]
   
 A125991 4.77926 [  $8*x*(57*x^{19}+5*x^{18}+5*x^{17}+5*x^{16}-32*x^{15}-5*x^3-x^2-x-1)/(x+1)/(x^2+1)/(5*x^{16}-1)/(x-1)^2$  ogf]
   
 A125992 6.29174 [  $(1455*x^8+16*x^7+48*x^6+16*x^5+432*x^4+16*x^3+48*x^2+16*x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]
   
 A125997 6.29174 [  $(1447*x^8+16*x^7+48*x^6+16*x^5+432*x^4+16*x^3+48*x^2+16*x+9)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]
   
 A126001 4.77688 [  $x*(35*x^{15}+x^{14}+3*x^{13}+x^{12}+3*x^{11}+x^{10}+3*x^9+x^8+3*x^7+x^6+3*x^5+x^4+3*x^3+x^2+3*x+1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]
   
 A126002 27.2327  $-2*(2+3*x+3*x^2)/(x-1)/(3*x+1)/(x+1)$  lgdogf
   
 A126002 8.86560 [  $-2*x*(128*x^{60}+44*x^{59}+3*x^{58}+4*x^{57})/(28*x^{61}+48*x^{60}-44*x^{59}-x^4+2*x^2-1)$  ogf]
   
 A126006 4.84750 [  $x*(49*x^{12}-45*x^{11}+34*x^8-30*x^7+19*x^4-15*x^3+4)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]
   
 A126019 10.1395  $-2*(2*x-1)*(6*x^3-x^2+9*x+1)/(x-1)/(-1+4*x)/(x+1)/(6*x^2-2*x+1)$  lgdogf
   
 A126019 10.6803 [  $(6*x^2-2*x+1)/(x-1)/(4*x-1)/(x+1)$  ogf]
   
 A126019 5.76549 [  $\{a(n+3)-4*a(n+2)-a(n+1)+4*a(n), a(0) = 1, a(1) = 2, a(2) = 15\}$ , ogf]
   
 A126020 10.7296  $2*(-72*x^2+42*x-7+(-(4*x-1)*(6*x-1)^2)^{(1/2)})/(36*x^2-20*x+3)/(4*x-1)$  lgdogf
   
 A126026 4.80860 [  $x*(x^2+1)*(x^{16}-x^{15}-x^{14}+x^{13}-x^{11}-x^7+x^6-2*x^4+x^3-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^3+1)/(x^6-x^3+1)/(x-1)^3$  ogf]
   
 A126042 25.0846  $x*(1+x)^2/(1+2*x)/(1+x+x^2)$  revogf
   
 A126068 4.76168 [  $\{(-3*n+3)*a(n)+(-2*n-1)*a(n+1)+(n+2)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]
   
 A126079 31.7303  $4*(3*x-1)/(-1+4*x)/(2*x-1)$  lgdogf
   
 A126079 4.98361 [  $\{(n+3)*a(n+3)+(-8-6*n)*a(n+2)+(-4+8*n)*a(n+1), a(0) = 1, a(1) = -4, a(2) = 2\}$ , ogf]
   
 A126087 3.38414 [  $\{(-24*n-48)*a(n+1)+(8*n+16)*a(n+2)+(3*n+15)*a(n+3)+(-n-5)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 5\}$ , ogf]
   
 A126087 31.5885  $x*(1+x)/(1+2*x+3*x^2)$  revogf
   
 A126089 25.8205  $4*(3*x-1)/(-1+4*x)/(2*x-1)$  lgdegf
   
 A126089 3.70208 [  $\{(32*n^2+48*n-32)*a(n+1)+(-4*n^2-26*n-32)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = -4, a(2) = 4\}$ , ogf]
   
 A126091 10.6162 [  $(2*x^5-5*x^4+5*x^3-2*x^2+3*x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]
   
 A126091 9.62251  $(x^2+x+2)*(3*x^5-10*x^4+8*x^3-8*x^2+x-2)/(x-1)/(x+1)/(x^2+1)/(2*x^5-5*x^4+5*x^3-2*x^2+3*x+1)$  lgdogf
   
 A126099 5.88048 [  $(x^{11}+14*x^{10}-14*x^9-32*x^8+26*x^7+22*x^6-13*x^5-5*x^4-x^3+2*x^2-1)/(x+1)^2/(x-1)^3$  ogf]
   
 A126109 10.4286 [  $-(5*x-2)/(10*x-1)/(x-1)$  ogf]
   
 A126109 10.6403  $-1/10*(-2-11*x+(4+24*x+81*x^2)^{(1/2)})/(1+2*x)$  revogf
   
 A126109 11.9703  $-(17-40*x+50*x^2)/(x-1)/(5*x-2)/(10*x-1)$  lgdogf
   
 A126109 5.76641 [  $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 2, a(1) = 17\}$ , ogf]
   
 A126115 31.9675  $-(3+2*x)/(2*x-1)/(1+2*x)$  lgdegf
   
 A126115 6.04184 [  $\{(4*n^2+14*n+12)*a(n+1)-a(n+3)+3*a(n+2), a(0) = 1, a(1) = 3,$

$a(2) = 11$ }, ogf]  
A126116 13.0474  $[(x-1)*(x^2+x+1)/(x^2+1)/(x^2+x-1) \text{ ogf}]$   
A126116 14.8785  $-(-1+x^6-6*x^3)/(x-1)/(x^2+x+1)/(x^2+x-1)/(1+x^2) \text{ lgdogf}$   
A126119 14.4394  $-3/4-3/2*x-1/4*x^2+1/4*(x^2+6*x+1)*(x+3)^2)^{(1/2)} \text{ revegef}$   
A126119 30.0821  $-(5+2*x)/(2*x-1)/(1+2*x) \text{ lgdegf}$   
A126119 4.29213  $[{(-6*n^2-21*n-18)*a(n+1)+(-4*n^2-23*n-40)*a(n+2)+(2*n+6)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 27}], \text{ ogf}]$   
A126120 13.2635  $-(-1+4*x^2+(-(-1+2*x)*(2*x+1))^{(1/2)})/(-1+2*x)/(2*x+1)/x \text{ lgdogf}$   
A126120 5.82619  $[{(-4*n-8)*a(n+1)+(n+5)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 1}], \text{ ogf}]$   
A126120 82.5285  $x/(x^2+1) \text{ revogf}$   
A126121 30.5814  $-(5+6*x)/(2*x-1)/(1+2*x) \text{ lgdegf}$   
A126121 5.78246  $[{(4*n^2+18*n+20)*a(n+1)-a(n+3)+5*a(n+2), a(0) = 1, a(1) = 5, a(2) = 31}], \text{ ogf}]$   
A126184 11.9645  $[(x^2-3*x+1)/(3*x-1)^2 \text{ ogf}]$   
A126184 22.1873  $(-3+7*x)/(3*x-1)/(x^2-3*x+1) \text{ lgdogf}$   
A126184 6.15650  $[{-a(n+3)+6*a(n+2)-9*a(n+1), a(0) = 1, a(1) = 3, a(2) = 10}], \text{ ogf}]$   
A126187 5.69098  $-1/2*(-3*x+15+4*(x-1)^{(1/2)}*x*(5*x-1)^{(1/2)}+15*(5*x-1)^{(1/2)}*(x-1)^{(1/2)})/(5*x-1)^{(1/2)}/(x+3)/x/(x-1)^{(1/2)} \text{ lgdogf}$   
A126190 3.37013  $[{(-5*n^2-5*n)*a(n)+(6*n^2+9*n+3)*a(n+1)+(-n^2-2*n+8)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 2}], \text{ ogf}]$   
A126221 3.64248  $[{(8*n^2+28*n+24)*a(n+1)+(-6*n^2-24*n-20)*a(n+2)+(n^2+5*n+4)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 5}], \text{ ogf}]$   
A126223 3.56521  $[{(-16*n^2+8*n)*a(n)+(20*n^2+40*n+8)*a(n+1)+(-8*n^2-34*n-32)*a(n+2)+(n^2+6*n+8)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 2}], \text{ ogf}]$   
A126224 4.25375  $[{(48*n^3+368*n^2+884*n+660)*a(n+1)+(3*n^3+20*n^2+43*n+30)*a(n+3), a(0) = 1, a(1) = -5, a(2) = -24}], \text{ egf}]$   
A126264 15.1548  $[-2*(x+4)/(x-1)^3 \text{ ogf}]$   
A126264 37.5228  $-(13+2*x)/(x+4)/(x-1) \text{ lgdogf}$   
A126264 7.04566  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 8, a(1) = 26, a(2) = 54}], \text{ ogf}]$   
A126269 3.88919  $[-(2*x^3-4*x-3)/(x-1)/(x+1)/(2*x^2-1) \text{ ogf}]$   
A126274 18.1743  $-3*(5+18*x+7*x^2)/(-1+x)/(7*x^2+10*x+1) \text{ lgdogf}$   
A126274 3.56110  $[{(n+4)*a(n+4)+(12+9*n)*a(n+3)+(-60-3*n)*a(n+2)+(-28-7*n)*a(n+1), a(0) = 1, a(1) = 15, a(2) = 72, a(3) = 220}], \text{ ogf}]$   
A126274 9.03630  $[-(7*x^2+10*x+1)/(x-1)^5 \text{ ogf}]$   
A126275 4.28775  $[{(n^2+8*n+15)*a(n+1)+(-2*n^2-16*n-60)*a(n+2)+(n^2+8*n+15)*a(n+3), a(0) = 5, a(1) = 60, a(2) = 340}], \text{ ogf}]$   
A126275 7.25310  $[-5*(x+1)*(x^2+4*x+1)/(x-1)^7 \text{ ogf}]$   
A126276 4.75469  $[-2*(7*x^5+171*x^4+666*x^3+656*x^2+171*x+9)/(x-1)^9 \text{ ogf}]$   
A126284 12.5162  $[-(3*x+1)/(2*x-1)/(x-1)^2 \text{ ogf}]$   
A126284 16.6638  $-(-7+3*x+12*x^2)/(x-1)/(-1+2*x)/(3*x+1) \text{ lgdogf}$   
A126284 5.87042  $[{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 7, a(2) = 23}], \text{ ogf}]$   
A126335 10.7049  $[-(2*x^2-11*x-3)/(x-1)^4 \text{ ogf}]$   
A126335 19.3367  $-(-23-29*x+4*x^2)/(x-1)/(2*x^2-11*x-3) \text{ lgdogf}$   
A126335 3.69135  $[{(-3*n-12)*a(n+4)+(-1-8*n)*a(n+3)+(55+13*n)*a(n+2)+(-6-2*n)*a(n+1), a(0) = 3, a(1) = 23, a(2) = 72, a(3) = 162}], \text{ ogf}]$   
A126354 10.8223  $-2*x*(3+x^4-2*x^3+4*x^2+6*x)/(x-1)/(2*x+1)/(x^2+2*x-1)/(x^2-2*x-1) \text{ lgdogf}$   
A126354 11.8782  $[(2*x+1)*(x-1)^2/(x^2+2*x-1)/(x^2-2*x-1) \text{ ogf}]$   
A126358 14.1045  $[-(x^2-x-1)/(x^2-3*x+1) \text{ ogf}]$   
A126358 17.5778  $-2*(2-2*x+x^2)/(x^2-3*x+1)/(x^2-x-1) \text{ lgdogf}$   
A126358 7.25768  $[{a(n+3)-3*a(n+2)+a(n+1), a(0) = 1, a(1) = 4, a(2) = 10}], \text{ ogf}]$   
A126360 10.0896  $-2*(3-8*x+4*x^2+2*x^3+x^4)/(x^3+3*x^2-4*x+1)/(x^3+5*x^2-2*x-1) \text{ lgdogf}$   
A126360 4.76558  $[{-a(n+4)+4*a(n+3)-3*a(n+2)-a(n+1), a(0) = 1, a(1) = 6, a(2) = 16, a(3) = 44}], \text{ ogf}]$   
A126360 9.25490  $[-(x^3+5*x^2-2*x-1)/(x^3+3*x^2-4*x+1) \text{ ogf}]$

A126361 7.02302  $-(7-18*x-5*x^2+28*x^3+3*x^4-6*x^5+3*x^6)/(2*x^4-5*x^3-7*x^2+3*x+1)/(x^4-4*x^3-2*x^2+4*x-1)$  lgdogf  
A126361 7.58946  $[-(2*x^4-5*x^3-7*x^2+3*x+1)/(x^4-4*x^3-2*x^2+4*x-1)$  ogf]  
A126362 7.61486  $[-(4*x^4+x^3-12*x^2+3*x+1)/(x^3-3*x+1)/(2*x-1)$  ogf]  
A126362 7.82739  $-2*(4-18*x+3*x^2-12*x^3+21*x^4)/(2*x-1)/(x^3-3*x+1)/(4*x^4+x^3-12*x^2+3*x+1)$  lgdogf  
A126363 6.45293  $[-(2*x^5+13*x^4-4*x^3-15*x^2+4*x+1)/(x-1)/(x^4+6*x^3+x^2-4*x+1)$  ogf]  
A126364 6.16153  $[-2*(2*x^4-10*x^3-6*x^2+16*x-5)/(x^5-6*x^4-x^3+10*x^2-6*x+1)$  ogf]  
A126365 5.54682  $[-(6*x^6+4*x^5-34*x^4-6*x^3+26*x^2-5*x-1)/(x^2+2*x-1)/(2*x^4-4*x^3-2*x^2+4*x-1)$  ogf]  
A126366 5.07693  $[-(3*x^6+22*x^5-25*x^4-34*x^3+35*x^2-5*x-1)/(x^6+6*x^5-11*x^4-6*x^3+15*x^2-7*x+1)$  ogf]  
A126367 4.77955  $[-(4*x^7-23*x^6-38*x^5+59*x^4+30*x^3-40*x^2+6*x+1)/(x-1)/(x^6-6*x^5-13*x^4+8*x^3+8*x^2-6*x+1)$  ogf]  
A126368 4.49730  $[-(8*x^7+x^6-72*x^5+25*x^4+75*x^3-51*x^2+6*x+1)/(2*x-1)/(x^2-3*x+1)/(x^4+3*x^3-x^2-3*x+1)$  ogf]  
A126369 4.00348  $[-(4*x^8+37*x^7-33*x^6-121*x^5+75*x^4+73*x^3-57*x^2+7*x+1)/(x^8+8*x^7-12*x^6-24*x^5+30*x^4+8*x^3-20*x^2+8*x-1)$  ogf]  
A126370 4.02360  $[-(5*x^8-39*x^7-48*x^6+161*x^5+5*x^4-139*x^3+70*x^2-7*x-1)/(x^8-9*x^7-6*x^6+39*x^5-15*x^4-29*x^3+28*x^2-9*x+1)$  ogf]  
A126371 3.76160  $[-(10*x^9+6*x^8-132*x^7-17*x^6+266*x^5-62*x^4-140*x^3+77*x^2-8*x-1)/(x-1)/(2*x^2+2*x-1)/(x^6-12*x^4+4*x^3+9*x^2-6*x+1)$  ogf]  
A126372 3.57456  $[-(5*x^9+51*x^8-87*x^7-202*x^6+281*x^5+91*x^4-231*x^3+92*x^2-8*x-1)/(x^9+9*x^8-21*x^7-30*x^6+69*x^5-7*x^4-49*x^3+36*x^2-10*x+1)$  ogf]  
A126377 3.81774  $[{-9*a(n)*n+(-3*n-12)*a(n+1)+(5*n+10)*a(n+2)+(-n-2)*a(n+3), a(0) = 1, a(1) = 23, a(2) = 67}]$ , ogf]  
A126378 3.81774  $[{9*a(n)*n+(3*n+12)*a(n+1)+(-5*n-10)*a(n+2)+(n+2)*a(n+3), a(0) = 1, a(1) = 24, a(2) = 70}]$ , ogf]  
A126379 3.83645  $[{9*a(n)*n+(3*n+12)*a(n+1)+(-5*n-10)*a(n+2)+(n+2)*a(n+3), a(0) = 1, a(1) = 25, a(2) = 73}]$ , ogf]  
A126380 3.83645  $[{9*a(n)*n+(3*n+12)*a(n+1)+(-5*n-10)*a(n+2)+(n+2)*a(n+3), a(0) = 1, a(1) = 26, a(2) = 76}]$ , ogf]  
A126381 3.83645  $[{9*a(n)*n+(3*n+12)*a(n+1)+(-5*n-10)*a(n+2)+(n+2)*a(n+3), a(0) = 1, a(1) = 27, a(2) = 79}]$ , ogf]  
A126382 3.54759  $[{9*a(n)*n+(3*n+12)*a(n+1)+(-5*n-10)*a(n+2)+(n+2)*a(n+3), a(0) = 1, a(1) = 28, a(2) = 82}]$ , ogf]  
A126383 3.54759  $[{-9*a(n)*n+(-3*n-12)*a(n+1)+(5*n+10)*a(n+2)+(-n-2)*a(n+3), a(0) = 1, a(1) = 29, a(2) = 85}]$ , ogf]  
A126384 3.54759  $[{-9*a(n)*n+(-3*n-12)*a(n+1)+(5*n+10)*a(n+2)+(-n-2)*a(n+3), a(0) = 1, a(1) = 30, a(2) = 88}]$ , ogf]  
A126385 3.56607  $[{-9*a(n)*n+(-3*n-12)*a(n+1)+(5*n+10)*a(n+2)+(-n-2)*a(n+3), a(0) = 1, a(1) = 31, a(2) = 91}]$ , ogf]  
A126386 3.56607  $[{-9*a(n)*n+(-3*n-12)*a(n+1)+(5*n+10)*a(n+2)+(-n-2)*a(n+3), a(0) = 1, a(1) = 32, a(2) = 94}]$ , ogf]  
A126390 18.6054  $2*a(n)+(-n-1)*a(n+1), a(0)=3, a(1)=4$  lgdegf  
A126392 12.3524  $[-(x^2-x-1)/(x^3-4*x+1)$  ogf]  
A126392 14.5901  $-(5-2*x+x^2-2*x^3+x^4)/(x^2-x-1)/(x^3-4*x+1)$  lgdogf  
A126392 6.89135  $[{a(n+3)-4*a(n+2)+a(n), a(0) = 1, a(1) = 5, a(2) = 19}]$ , ogf]  
A126393 12.6726  $-2*(3+2*x^3+x^4)/(x^3-x^2-4*x+1)/(x^3+x^2-2*x-1)$  lgdogf  
A126393 4.59872  $[{-a(n+4)+4*a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 6, a(2) = 24, a(3) = 100}]$ , ogf]  
A126393 8.99749  $[-(x^3+x^2-2*x-1)/(x^3-x^2-4*x+1)$  ogf]  
A126394 6.83666  $[-(2*x^4-2*x^3-4*x^2+2*x+1)/(x-1)/(2*x^3-2*x^2-4*x+1)$  ogf]  
A126395 4.37325  $[{-a(n+4)+5*a(n+3)-a(n+2)-6*a(n+1), a(0) = 1, a(1) = 8, a(2) = 34, a(3) = 150}]$ , ogf]  
A126395 8.50036  $-2*(4-6*x-7*x^2+12*x^3+12*x^4)/(6*x^3+x^2-5*x+1)/(6*x^3+5*x^2-3*x-1)$  lgdogf

A126395 8.55636 [  $-(6*x^3+5*x^2-3*x-1)/(6*x^3+x^2-5*x+1)$  ogf]  
A126396 5.87904 [  $-(2*x^5+6*x^4-6*x^3-10*x^2+3*x+1)/(2*x^5+4*x^4-8*x^3-5*x^2+6*x-1)$  ogf]  
A126397 6.94575  $-2*(5-26*x+39*x^2-10*x^3+5*x^4-4*x^5+x^6)/(x^4-11*x^2+7*x-1)/(x^4+2*x^3-15*x^2+3*x+1)$  lgdogf  
A126397 7.62978 [  $-(x^4+2*x^3-15*x^2+3*x+1)/(x^4-11*x^2+7*x-1)$  ogf]  
A126398 5.13470 [  $-(2*x^6-x^5-19*x^4+8*x^3+19*x^2-4*x-1)/(x^6-2*x^5-11*x^4+11*x^3+9*x^2-7*x+1)$  ogf]  
A126399 5.13470 [  $-(4*x^6-7*x^5-21*x^4+17*x^3+22*x^2-5*x-1)/(2*x^6-5*x^5-9*x^4+15*x^3+8*x^2-7*x+1)$  ogf]  
A126400 5.05121 [  $-(18*x^6+3*x^5-50*x^4+3*x^3+31*x^2-5*x-1)/(x-1)/(9*x^5+6*x^4-19*x^3-7*x^2+7*x-1)$  ogf]  
A126401 4.39711 [  $-(4*x^7+17*x^6-18*x^5-63*x^4+13*x^3+35*x^2-6*x-1)/(2*x^7+7*x^6-12*x^5-25*x^4+17*x^3+13*x^2-8*x+1)$  ogf]  
A126402 3.59981 [  $-(2*x^8+x^7-23*x^6-x^5+46*x^4-10*x^3-20*x^2+9*x-1)/(x^8+x^7-23*x^6-x^5+46*x^4-10*x^3-20*x^2+9*x-1)$  ogf]  
A126403 3.61896 [  $-(3*x^8-2*x^7-61*x^6+10*x^5+131*x^4+4*x^3-51*x^2+7*x+1)/(x^8-2*x^7-23*x^6+14*x^5+49*x^4-16*x^3-19*x^2+9*x-1)$  ogf]  
A126404 3.17908 [  $-(6*x^9-20*x^8-50*x^7+120*x^6+100*x^5-171*x^4-48*x^3+64*x^2-7*x-1)/(2*x^9-8*x^8-14*x^7+50*x^6+19*x^5-73*x^4+4*x^3+27*x^2-10*x+1)$  ogf]  
A126405 3.52719 [  $-(36*x^8+22*x^7-172*x^6-61*x^5+220*x^4+39*x^3-70*x^2+8*x+1)/(12*x^8+2*x^7-60*x^6+x^5+80*x^4-11*x^3-26*x^2+10*x-1)$  ogf]  
A126420 10.9417 [  $(x^3-3*x^2+9*x-1)/(x-1)^4$  ogf]  
A126420 19.3308  $-(5+21*x+x^3-3*x^2)/(x-1)/(x^3-3*x^2+9*x-1)$  lgdogf  
A126420 4.62917 [  $\{( -3*n^2-19*n-26)*a(n+1)+(10*n^2+64*n+98)*a(n+2)+(-7*n^2-33*n-36)*a(n+3), a(0) = -1, a(1) = 5, a(2) = 23\}$ , ogf]  
A126423 15.8184  $-(-13-76*x-24*x^2-8*x^3+x^4)/(x-1)/(x^4-6*x^3-2*x^2-18*x+1)$  lgdogf  
A126423 9.83701 [  $(x^4-6*x^3-2*x^2-18*x+1)/(x-1)^5$  ogf]  
A126426 11.3215  $-(29+275*x+x^5+320*x^2+100*x^3-5*x^4)/(x-1)/(x^5-5*x^4+40*x^3+50*x^2+35*x-1)$  lgdogf  
A126426 7.57401 [  $(x^5-5*x^4+40*x^3+50*x^2+35*x-1)/(x-1)^6$  ogf]  
A126431 12.3694 [  $10*x/(10*x-1)^2$  ogf]  
A126431 19.9458  $2/5*x/(1+(4*x+1)^{(1/2)})^2$  revogf  
A126431 5.96641 [  $\{a(n+2)-20*a(n+1)+100*a(n), a(0) = 0, a(1) = 10\}$ , ogf]  
A126473 13.3258 [  $-(x+1)/(3*x^2+4*x-1)$  ogf]  
A126473 13.9833  $1/2/(1+3*x)*(-4*x-1+(28*x^2+12*x+1)^{(1/2)})$  revogf  
A126473 17.2735  $-(5+6*x+3*x^2)/(x+1)/(3*x^2+4*x-1)$  lgdogf  
A126473 7.31295 [  $\{a(n+2)-4*a(n+1)-3*a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A126474 12.5240  $-2*(3-2*x^3+x^4)/(x^2-x-1)/(2*x^3-x^2-5*x+1)$  lgdogf  
A126474 4.98439 [  $\{a(n+3)-5*a(n+2)-a(n+1)+2*a(n), a(0) = 1, a(1) = 6, a(2) = 30\}$ , ogf]  
A126474 9.23338 [  $-(x^2-x-1)/(2*x^3-x^2-5*x+1)$  ogf]  
A126475 7.55199 [  $-(x^3+x^2-2*x-1)/(x^4+2*x^3-3*x^2-5*x+1)$  ogf]  
A126475 7.69358  $-(7+4*x+x^6+2*x^2-2*x^3-x^4+2*x^5)/(x^3+x^2-2*x-1)/(x^4+2*x^3-3*x^2-5*x+1)$  lgdogf  
A126476 7.02031 [  $-(x-1)*(x^3-3*x-1)/(x^4-3*x^3-x^2+6*x-1)$  ogf]  
A126476 7.49420  $-2*(4-4*x+2*x^2+4*x^3-2*x^4-2*x^5+x^6)/(x-1)/(x^3-3*x-1)/(x^4-3*x^3-x^2+6*x-1)$  lgdogf  
A126477 7.11973 [  $-(2*x^4-6*x^2+2*x+1)/(x-1)/(2*x^3-6*x+1)$  ogf]  
A126477 7.14981  $-(9-24*x+4*x^6+8*x^3-18*x^4+24*x^2)/(x-1)/(2*x^3-6*x+1)/(2*x^4-6*x^2+2*x+1)$  lgdogf  
A126478 5.65174  $-2*(5-12*x+12*x^6-24*x^5+36*x^3-8*x^4-2*x^2)/(6*x^4-10*x^3-4*x^2+7*x-1)/(6*x^4-6*x^3-8*x^2+3*x+1)$  lgdogf  
A126478 6.51398 [  $-(6*x^4-6*x^3-8*x^2+3*x+1)/(6*x^4-10*x^3-4*x^2+7*x-1)$  ogf]  
A126479 5.41536 [  $-(8*x^5+6*x^4-16*x^3-10*x^2+4*x+1)/(8*x^5+2*x^4-18*x^3-2*x^2+7*x-1)$  ogf]  
A126480 5.39796 [  $-(6*x^5+14*x^4-14*x^3-16*x^2+4*x+1)/(6*x^5+10*x^4-18*x^3-8*x^2+8*x-1)$  ogf]  
A126481 4.36782 [  $-(2*x^7+2*x^6-20*x^5-16*x^4+29*x^3+19*x^2-5*x-1)/($

$(2*x^7-18*x^5-5*x^4+28*x^3+6*x^2-8*x+1)$  ogf]  
A126482 4.12983 [  $-(x^7+5*x^6-8*x^5-35*x^4+21*x^3+27*x^2-5*x-1)/(x^7+3*x^6-10*x^5-21*x^4+25*x^3+13*x^2-9*x+1)$  ogf]  
A126483 3.67830 [  $-(2*x^8-5*x^7-19*x^6+35*x^5+48*x^4-40*x^3-31*x^2+6*x+1)/(x^8-4*x^7-8*x^6+29*x^5+20*x^4-37*x^3-11*x^2+9*x-1)$  ogf]  
A126484 3.69285 [  $-(4*x^8+x^7-39*x^6+6*x^5+83*x^4-22*x^3-41*x^2+6*x+1)/(2*x^8-x^7-21*x^6+14*x^5+45*x^4-30*x^3-19*x^2+10*x-1)$  ogf]  
A126485 3.59853 [  $-(18*x^8-27*x^7-89*x^6+63*x^5+118*x^4-44*x^3-46*x^2+7*x+1)/(x-1)/(9*x^7-9*x^6-49*x^5+2*x^4+52*x^3+8*x^2-9*x+1)$  ogf]  
A126486 3.63899 [  $-(24*x^8+3*x^7-128*x^6-3*x^5+169*x^4-12*x^3-58*x^2+7*x+1)/(12*x^8-3*x^7-64*x^6+21*x^5+83*x^4-32*x^3-26*x^2+11*x-1)$  ogf]  
A126501 13.1929 [  $-(x+1)/(4*x^2+5*x-1)$  ogf]  
A126501 13.8453  $1/2/(4*x+1)*(-5*x-1+(41*x^2+14*x+1)^{(1/2)})$  revogf  
A126501 16.1529  $-2*(3+4*x+2*x^2)/(x+1)/(4*x^2+5*x-1)$  lgdogf  
A126501 7.24001 [  $\{a(n+2)-5*a(n+1)-4*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A126502 10.0412  $-(7+2*x-6*x^3+3*x^4-x^2)/(x^2-x-1)/(3*x^3-2*x^2-6*x+1)$  lgdogf  
A126502 4.90451 [  $\{a(n+3)-6*a(n+2)-2*a(n+1)+3*a(n), a(0) = 1, a(1) = 7, a(2) = 43\}$ , ogf]  
A126502 9.08541 [  $-(x^2-x-1)/(3*x^3-2*x^2-6*x+1)$  ogf]  
A126503 7.00252  $-2*(4+4*x+x^6+2*x^2-4*x^3-2*x^4+2*x^5)/(x^3+x^2-2*x-1)/(2*x^4+3*x^3-5*x^2-6*x+1)$  lgdogf  
A126503 7.43096 [  $-(x^3+x^2-2*x-1)/(2*x^4+3*x^3-5*x^2-6*x+1)$  ogf]  
A126504 6.90780 [  $-(x-1)*(x^3-3*x-1)/(x^5-6*x^3+x^2+7*x-1)$  ogf]  
A126505 5.93214 [  $-(x^5+x^4-4*x^3-3*x^2+3*x+1)/(x^5-x^4-6*x^3+3*x^2+7*x-1)$  ogf]  
A126506 5.15367 [  $-(x^2+x-1)*(2*x^4-4*x^3-2*x^2+4*x+1)/(x-1)/(2*x^5-2*x^4-8*x^3+5*x^2+7*x-1)$  ogf]  
A126507 6.49600 [  $-(6*x^5+6*x^4-14*x^3-8*x^2+4*x+1)/(6*x^5+2*x^4-18*x^3+8*x-1)$  ogf]  
A126508 5.04159 [  $-(8*x^6-8*x^5-22*x^4+16*x^3+14*x^2-4*x-1)/(8*x^6-12*x^5-18*x^4+26*x^3+6*x^2-9*x+1)$  ogf]  
A126509 5.85148 [  $-(20*x^5+14*x^4-30*x^3-16*x^2+5*x+1)/(20*x^5+6*x^4-34*x^3-4*x^2+9*x-1)$  ogf]  
A126510 5.11466 [  $-(8*x^6+24*x^5-6*x^4-48*x^3-18*x^2+6*x+1)/(8*x^6+20*x^5-14*x^4-42*x^3-2*x^2+9*x-1)$  ogf]  
A126511 5.54473 [  $-(6*x^6+8*x^5-40*x^4-70*x^3-20*x^2+7*x+1)/(6*x^6+4*x^5-40*x^4-50*x^3+9*x-1)$  ogf]  
A126512 4.03854 [  $-(2*x^8+8*x^7-10*x^6-56*x^5-7*x^4+74*x^3+30*x^2-7*x-1)/(2*x^8+6*x^7-14*x^6-43*x^5+13*x^4+60*x^3+7*x^2-10*x+1)$  ogf]  
A126528 13.2668  $1/2/(5*x+1)*(-1-6*x+(1+16*x+56*x^2)^{(1/2)})$  revogf  
A126528 15.5926 [  $-(x+1)/(5*x^2+6*x-1)$  ogf]  
A126528 15.9202  $-(7+10*x+5*x^2)/(x+1)/(5*x^2+6*x-1)$  lgdogf  
A126528 8.55690 [  $\{a(n+2)-6*a(n+1)-5*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A126529 10.3781  $-2*(4+2*x-x^2-4*x^3+2*x^4)/(x^2-x-1)/(4*x^3-3*x^2-7*x+1)$  lgdogf  
A126529 5.24916 [  $\{a(n+3)-7*a(n+2)-3*a(n+1)+4*a(n), a(0) = 1, a(1) = 8, a(2) = 58\}$ , ogf]  
A126529 9.72385 [  $-(x^2-x-1)/(4*x^3-3*x^2-7*x+1)$  ogf]  
A126530 7.48933  $-(9+12*x+3*x^6-7*x^4-14*x^3+6*x^5+6*x^2)/(x+1)/(3*x^3+x^2-8*x+1)/(x^3+x^2-2*x-1)$  lgdogf  
A126530 7.93674 [  $-(x^3+x^2-2*x-1)/(x+1)/(3*x^3+x^2-8*x+1)$  ogf]  
A126531 6.70013 [  $-(x-1)*(x^3-3*x-1)/(x+1)/(2*x^4-3*x^3-6*x^2+9*x-1)$  ogf]  
A126531 6.71570  $-2*(5-4*x^6+5*x^4-10*x^3+8*x^5-2*x^7+x^8)/(x-1)/(x+1)/(x^3-3*x-1)/(2*x^4-3*x^3-6*x^2+9*x-1)$  lgdogf  
A126532 5.21355 [  $-(x^5+x^4-4*x^3-3*x^2+3*x+1)/(x+1)/(x^5+x^4-6*x^3-3*x^2+9*x-1)$  ogf]  
A126533 5.24645 [  $-(x^6-x^5-5*x^4+4*x^3+6*x^2-3*x-1)/(x^6-3*x^5-3*x^4+12*x^3-9*x+1)$  ogf]  
A126534 4.49655 [  $-(2*x^7+2*x^6-10*x^5-8*x^4+13*x^3+7*x^2-4*x-1)/(x-1)/(2*x^6+2*x^5-10*x^4-9*x^3+11*x^2+8*x-1)$  ogf]  
A126535 4.70160 [  $-(6*x^6-6*x^5-20*x^4+14*x^3+12*x^2-4*x-1)/(6*x^6-10*x^5-16*x^4+26*x^3+4*x^2-10*x+1)$  ogf]  
A126536 4.22737 [  $-(8*x^7+8*x^6-30*x^5-22*x^4+30*x^3+14*x^2-5*x-1)/$



$(8*x^7+4*x^6-34*x^5-8*x^4+40*x^3+x^2-10*x+1)$  ogf]  
A126537 4.75283 [  $-(20*x^6-20*x^5-44*x^4+30*x^3+21*x^2-5*x-1)/(20*x^6-28*x^5-36*x^4+46*x^3+9*x^2-11*x+1)$  ogf]  
A126538 3.85383 [  $-(24*x^7+16*x^6-72*x^5-42*x^4+54*x^3+24*x^2-6*x-1)/(24*x^7+8*x^6-76*x^5-18*x^4+64*x^3+6*x^2-11*x+1)$  ogf]  
A126539 3.80103 [  $-(20*x^7+36*x^6-64*x^5-76*x^4+51*x^3+33*x^2-6*x-1)/(20*x^7+28*x^6-72*x^5-52*x^4+67*x^3+15*x^2-12*x+1)$  ogf]  
A126560 8.37578 [  $-2*(4*x^6-3*x^5+4*x^4+2*x^2-x+2)/(x-1)/(x^2+1)/(x^4+1)$  ogf]  
A126562 10.4602 [  $-x*(5*x^2-4*x-7)/(x-1)^4$  ogf]  
A126562 20.9037  $-2*(-16-x+5*x^2)/(x-1)/(5*x^2-4*x-7)$  lgdogf  
A126562 3.79900 [  $\{(-21-7*n)*a(n+4)+(38+3*n)*a(n+3)+(11+9*n)*a(n+2)+(-10-5*n)*a(n+1), a(0) = 0, a(1) = 7, a(2) = 32, a(3) = 81\}$ , ogf]  
A126564 6.97416 [  $x^2*(x^9-x^8+x^6-x^5+x^3-x^2+1)/(x-1)/(x+1)/(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A126565 6.27102 [  $-x*(x^{11}-x^{10}+x^9-x^7+x^6-x^4+x^3-x+1)/(x-1)/(x+1)/(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A126566 7.01644  $-2*(1-11*x+45*x^2-82*x^3+61*x^4-9*x^5+x^6)/(-1+2*x)/(1-4*x+x^2)/(x^4-16*x^3+20*x^2-8*x+1)$  lgdogf  
A126566 8.06757 [  $-(2*x-1)*(x^2-4*x+1)/(x^4-16*x^3+20*x^2-8*x+1)$  ogf]  
A126567 5.20386 [  $-(2*x-1)*(2*x^4-16*x^3+20*x^2-8*x+1)/(3*x-1)/(x-1)/(x^4-16*x^3+20*x^2-8*x+1)$  ogf]  
A126569 4.59790 [  $-(2*x-1)*(2*x^2-4*x+1)*(x^4-16*x^3+20*x^2-8*x+1)/(x^8-96*x^7+440*x^6-784*x^5+714*x^4-364*x^3+105*x^2-16*x+1)$  ogf]  
A126587 12.9035 [  $-(x^2+8*x+3)/(x-1)^3$  ogf]  
A126587 24.9024  $-(x+17)*(x+1)/(x-1)/(x^2+8*x+3)$  lgdogf  
A126587 6.90449 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 17, a(2) = 43\}$ , ogf]  
A126590 9.40000 [  $(3*x^6+2*x^5+x^4+3*x^3+x^2+2*x+3)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A126596 4.83728 [  $\{(256*n^3+1408*n^2+2480*n+1400)*a(n+1)+(-27*n^3-162*n^2-321*n-210)*a(n+2), a(0) = 1, a(1) = 3\}$ , ogf]  
A126602 6.12568 [  $-2*(7975*x^7+4312*x^6+10875*x^5+5600*x^4+9570*x^3+4392*x^2+4368*x+4060)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A126617 21.2817  $-a(n)+(n+1)*a(n+1), a(0)=-1, a(1)=1$  lgdegf  
A126627 5.15050 [  $-(720*x^5-1764*x^4+1372*x^3-539*x^2+98*x-7)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A126628 5.20295 [  $-2*(360*x^5-882*x^4+697*x^3-284*x^2+53*x-4)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A126629 5.24839 [  $-2*(360*x^5-882*x^4+695*x^3-281*x^2+52*x-4)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A126631 4.76187 [  $-(720*x^5-1764*x^4+1412*x^3-591*x^2+112*x-9)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A126632 4.80658 [  $-(720*x^5-1764*x^4+1408*x^3-585*x^2+110*x-9)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A126633 4.31851 [  $-2*(360*x^5-882*x^4+713*x^3-304*x^2+58*x-5)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A126634 6.43967 [  $-6*(20*x^4-39*x^3+31*x^2-9*x+1)/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A126635 6.55415 [  $-(120*x^4-242*x^3+197*x^2-58*x+7)/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A126639 6.55415 [  $-(120*x^4-238*x^3+191*x^2-56*x+7)/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A126640 6.64001 [  $-2*(60*x^4-123*x^3+101*x^2-30*x+4)/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A126641 6.69725 [  $-(120*x^4-250*x^3+207*x^2-62*x+9)/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A126642 4.48521 [  $\{-a(n+4)+10*a(n+3)-35*a(n+2)+50*a(n+1)-24*a(n), a(0) = 5, a(1) = 25, a(2) = 125, a(3) = 601\}$ , ogf]  
A126642 5.55820  $-(25-250*x+3460*x^4-2500*x^3+576*x^6-2400*x^5+1053*x^2)/(x-1)/(4*x-1)/(-1+3*x)/(2*x-1)/(24*x^3-50*x^2+25*x-5)$  lgdogf

A126642 8.06269 [  $-(24x^3-50x^2+25x-5)/(2x-1)/(3x-1)/(4x-1)/(x-1)$  ogf]  
A126643 5.69553  $-(17-160x+288x^2+1766x^3-1348x^4-1200x^5+619x^6)/(x-1)/(-1+4x)/(3x-1)/(2x-1)/(12x^3-25x^2+13x-3)$  lgdogf  
A126643 8.17467 [  $-2*(12x^3-25x^2+13x-3)/(2x-1)/(3x-1)/(4x-1)/(x-1)$  ogf]  
A126644 24.0261  $\ln((8+9x)^{1/3}+1)-\ln(3)$  revevfg  
A126644 5.33360 [  $\{a(n+3)-6a(n+2)+11a(n+1)-6a(n), a(0) = 4, a(1) = 16, a(2) = 58\}$ , ogf]  
A126644 8.83311  $-2*(4-19x+31x^2-24x^3+9x^4)/(-1+x)/(3x-1)/(2x-1)/(3x^2-4x+2)$  lgdogf  
A126644 9.89297 [  $-2*(3x^2-4x+2)/(x-1)/(3x-1)/(2x-1)$  ogf]  
A126645 11.7712 [  $-(6x^2-9x+5)/(x-1)/(3x-1)/(2x-1)$  ogf]  
A126645 6.34621 [  $\{a(n+3)-6a(n+2)+11a(n+1)-6a(n), a(0) = 5, a(1) = 21, a(2) = 77\}$ , ogf]  
A126645 8.67154  $-(21-98x+153x^2-108x^3+36x^4)/(x-1)/(-1+3x)/(2x-1)/(6x^2-9x+5)$  lgdogf  
A126646 14.9569  $1/2*\ln(x+1)+\operatorname{arctanh}((8x+9)^{1/2})-\operatorname{arctanh}(3)$  revevfg  
A126646 17.7122  $-(7-12x+4x^2)/(x-1)/(-1+2x)/(2x-3)$  lgdogf  
A126646 20.8121 [  $1/(x-1)/(2x-1)$  ogf]  
A126646 8.37559 [  $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A126664 11.1045 [  $\{a(n+4)-a(n+2), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 2\}$ , ogf]  
A126664 19.9043 [  $-x*(x^2+6x+1)/(x-1)/(x+1)$  ogf]  
A126664 26.0202  $-2*(3+2x+3x^2)/(x-1)/(x+1)/(x^2+6x+1)$  lgdogf  
A126665 13.4628 [  $-(43x^2-98x+53)/(x-1)^3$  ogf]  
A126665 24.5176  $-(61-110x+43x^2)/(x-1)/(43x^2-98x+53)$  lgdogf  
A126665 7.49235 [  $\{-a(n+3)+3a(n+2)-3a(n+1)+a(n), a(0) = 53, a(1) = 61, a(2) = 67\}$ , ogf]  
A126673 4.33717 [  $\{(n^3+12n^2+48n+64)*a(n+1)+(-2n^2-15n-26)*a(n+2)+(n+2)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 26\}$ , ogf]  
A126674 5.76556 [  $\{(-2n^2-8n-8)*a(n+1)+(3n+7)*a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A126696 11.8372  $-2*(1+x^2+x^4+x^6+x^8+10x^9)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
A126696 4.81071 [  $-x^{10}/(x+1)/(x^4+x^3+x^2+x+1)^2/(x^4-x^3+x^2-x+1)^2/(x-1)^3$  ogf]  
A126718 8.28665 [  $-(24x^3-50x^2+27x-7)/(2x-1)/(3x-1)/(4x-1)/(x-1)$  ogf]  
A126719 13.2136 [  $-(13x^2-38x+23)/(x-1)^3$  ogf]  
A126719 24.8143  $-(31-50x+13x^2)/(x-1)/(13x^2-38x+23)$  lgdogf  
A126719 7.35367 [  $\{-a(n+3)+3a(n+2)-3a(n+1)+a(n), a(0) = 23, a(1) = 31, a(2) = 37\}$ , ogf]  
A126725 11.2401  $(12+20x-x^4-4x^3+x^5-4x^2)/(x-2)/(x^2+2x+2)/(x^2-2)$  lgdegf  
A126804 24.5182  $-12*(x+1)/(1+2x)/(-1+4x)$  lgdegf  
A126804 5.64178 [  $\{(-4n^2-22n-30)*a(n+1)+(n+2)*a(n+2), a(0) = 2, a(1) = 24\}$ , ogf]  
A126811 18.0971 [  $x^7/(x^8+1)$  ogf\_with\_Euler\_transform]  
A126852 7.45851 [  $-(24x^{11}-17x^{10}+41x^9-6x^8+22x^7-13x^6+15x^5+4x^4+2x^3-3x^2+7x+8)/(x-1)$  ogf]  
A126866 14.2741 [  $(x+1)/(x^2-13x+1)$  ogf]  
A126866 7.81679 [  $\{-a(n+2)+13a(n+1)-a(n), a(0) = 1, a(1) = 14\}$ , ogf]  
A126869 37.8419  $-4x/(2x-1)/(1+2x)$  lgdogf  
A126869 39.8336  $1/(1+4x^2)^{1/2}*x$  revogf  
A126869 5.98890 [  $\{(-n-3)*a(n+3)+(8+4n)*a(n+1), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf]  
A126898 4.49847 [  $(x^8+7x^7+28x^6+79x^5+130x^4+79x^3+28x^2+7x+1)/(x-1)^8$  ogf]  
A126898 6.54099  $-15*(x+1)*(x^6+6x^5+21x^4+40x^3+21x^2+6x+1)/(x-1)/(x^8+7x^7+28x^6+79x^5+130x^4+79x^3+28x^2+7x+1)$  lgdogf  
A126899 30.7693 [  $[-3x^2+9]$  ogf\_with\_Euler\_transform]  
A126899 31.7372  $-9*(x+1)/(x-1)/(x^2+x+1)$  lgdogf  
A126899 5.66277 [  $\{(-n-3)*a(n+3)+9a(n+2)+9a(n+1)+n*a(n), a(0) = 1, a(1) = 9, a(2) = 45\}$ , ogf]

A126899 6.46499 [  $(x^2+x+1)^3/(x-1)^6$  ogf]  
A126900 27.7263  $-18*(x+1)/(x-1)/(x^2+4*x+1)$  lgdogf  
A126900 4.40662 [  $\{(n+3)*a(n+3)+(-12+3*n)*a(n+2)+(-21-3*n)*a(n+1)-n*a(n)$ ,  $a(0) = 1$ ,  $a(1) = 18$ ,  $a(2) = 144\}$ , ogf]  
A126900 6.09877 [  $(x^2+4*x+1)^3/(x-1)^6$  ogf]  
A126901 14.3541  $-20*(x+1)*(x^2+4*x+1)/(x-1)/(x^4+6*x^3+16*x^2+6*x+1)$  lgdogf  
A126901 4.63257 [  $(x^4+6*x^3+16*x^2+6*x+1)^2/(x-1)^8$  ogf]  
A126902 4.96060 [  $(x^{12}+9*x^{11}+45*x^{10}+158*x^9+432*x^8+909*x^7+1302*x^6+909*x^5+432*x^4+158*x^3+45*x^2+9*x+1)/(x-1)^{12}$  ogf]  
A126903 3.47326 [  $(x^{10}+12*x^9+67*x^8+232*x^7+562*x^6+1024*x^5+562*x^4+232*x^3+67*x^2+12*x+1)/(x-1)^{10}$  ogf]  
A126904 26.4888  $-24*(x+1)/(x-1)/(x^2+4*x+1)$  lgdogf  
A126904 4.21029 [  $\{(n+3)*a(n+3)+(-18+3*n)*a(n+2)+(-27-3*n)*a(n+1)-n*a(n)$ ,  $a(0) = 1$ ,  $a(1) = 24$ ,  $a(2) = 264\}$ , ogf]  
A126904 4.38784 [  $(x^2+4*x+1)^4/(x-1)^8$  ogf]  
A126905 13.2928  $10*(-2-5*x^9+3*x^{10})/(x-1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)$  lgdogf  
A126905 32.7917 [  $5*x^9+20$  ogf\_with\_Euler\_transform]  
A126919 5.08931 [  $(x^{12}+14*x^{11}+92*x^{10}+378*x^9+1093*x^8+2380*x^7+4096*x^6+2380*x^5+1093*x^4+378*x^3+92*x^2+14*x+1)/(x-1)^{12}$  ogf]  
A126920 18.7203  $9*(-2+x^3-3*x^2)/(x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A126920 23.8354 [  $-9*x^5+9*x^2+18$  ogf\_with\_Euler\_transform]  
A126921 9.90747 [  $(x^6+8*x^5+29*x^4+64*x^3+29*x^2+8*x+1)^2/(x-1)^{12}$  ogf]  
A126922 4.51944 [  $(x^8+22*x^7+208*x^6+874*x^5+1480*x^4+874*x^3+208*x^2+22*x+1)/(x-1)^8$  ogf]  
A126922 6.17970  $-30*(x+1)*(x^6+18*x^5+111*x^4+232*x^3+111*x^2+18*x+1)/(x-1)/(x^8+22*x^7+208*x^6+874*x^5+1480*x^4+874*x^3+208*x^2+22*x+1)$  lgdogf  
A126926 26.7192  $-36*(x+1)/(x-1)/(x^2+4*x+1)$  lgdogf  
A126926 4.24353 [  $\{(n+3)*a(n+3)+(-30+3*n)*a(n+2)+(-39-3*n)*a(n+1)-n*a(n)$ ,  $a(0) = 1$ ,  $a(1) = 36$ ,  $a(2) = 612\}$ , ogf]  
A126928 13.3152  $-40*(x+1)*(x^2+4*x+1)/(x-1)/(x^4+6*x^3+16*x^2+6*x+1)$  lgdogf  
A126930 12.4290  $-1/2*(8*x^2-2*x-1+(-(2*x-1)*(2*x+1))^{1/2})/x/(2*x-1)/(2*x+1)$  lgdogf  
A126930 34.4622  $-x*(x-1)/(1-2*x+2*x^2)$  revogf  
A126930 5.31586 [  $\{(4*n+8)*a(n+1)-2*a(n+2)+(-n-4)*a(n+3)$ ,  $a(0) = 1$ ,  $a(1) = -1$ ,  $a(2) = 2\}$ , ogf]  
A126931 25.8852  $x*(1+3*x)/(1+6*x+10*x^2)$  revogf  
A126932 3.57909 [  $\{(21*n+42)*a(n+1)+(8*n+44)*a(n+2)+(-11*n-44)*a(n+3)+(2*n+8)*a(n+4)$ ,  $a(0) = 1$ ,  $a(1) = 4$ ,  $a(2) = 15$ ,  $a(3) = 55\}$ , ogf]  
A126934 7.63877 [  $\{(8*n^2+24*n+18)*a(n+1)+a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = -2\}$ , ogf]  
A126935 11.1507 [  $-6*x*(x^2-4*x+2)/(x-1)^4$  ogf]  
A126935 26.3711  $-2*(2-5*x+x^2)/(x-1)/(x^2-4*x+2)$  lgdogf  
A126935 4.18153 [  $\{(-6-2*n)*a(n+4)+(16+6*n)*a(n+3)+(-15-5*n)*a(n+2)+(n+2)*a(n+1)$ ,  $a(0) = 0$ ,  $a(1) = -12$ ,  $a(2) = -24$ ,  $a(3) = -30\}$ , ogf]  
A126939 6.84782  $-(-1-2*x+6*x^8+11*x^6-2*x^5-4*x^4-10*x^3+4*x^7-11*x^2+x^{10})/(x^5+3*x^3+x-1)/(x^6+3*x^5+3*x^4+7*x^3+x^2+2*x-1)$  lgdogf  
A126939 8.16927 [  $(x^5+3*x^3+x-1)/(x^6+3*x^5+3*x^4+7*x^3+x^2+2*x-1)$  ogf]  
A126940 6.54748  $-(-1-2*x+9*x^8+7*x^6-12*x^4-10*x^3+10*x^7-11*x^2+2*x^9+x^{10})/(x^5+x^4+3*x^3+x-1)/(x^6+4*x^5+4*x^4+7*x^3+x^2+2*x-1)$  lgdogf  
A126940 7.52220 [  $(x^5+x^4+3*x^3+x-1)/(x^6+4*x^5+4*x^4+7*x^3+x^2+2*x-1)$  ogf]  
A126941 7.17705  $-(-2-2*x+3*x^8+3*x^6-6*x^5-16*x^4-16*x^3+6*x^7-18*x^2)/(x-1)/(x^2+x+1)/(x^6+3*x^5+3*x^4+7*x^3+x^2+2*x-1)$  lgdogf  
A126941 9.33838 [  $2*x*(x-1)*(x^2+x+1)/(x^6+3*x^5+3*x^4+7*x^3+x^2+2*x-1)$  ogf]  
A126942 8.29348  $-(2+4*x+9*x^6+12*x^5+22*x^4+12*x^3+4*x^7+19*x^2)/(1+x^2)/(x^6+3*x^5+3*x^4+7*x^3+x^2+2*x-1)$  lgdogf  
A126942 9.33838 [  $-2*x*(x^2+1)/(x^6+3*x^5+3*x^4+7*x^3+x^2+2*x-1)$  ogf]  
A126943 7.04163  $-(-7*x^3+3*x^8+36*x^6+60*x^5+70*x^4+62*x^3+14*x^7+44*x^2)/(x+1)/(x^2+x+2)/(x^6+3*x^5+3*x^4+7*x^3+x^2+2*x-1)$  lgdogf  
A126943 7.45621 [  $-2*x^2*(x+1)*(x^2+x+2)/(x^6+3*x^5+3*x^4+7*x^3+x^2+2*x-1)$  ogf]

A126944 5.50133  $-(5+10*x$   
 $+18*x^8+49*x^6+54*x^5+58*x^4+42*x^3+32*x^2+31*x+1)/(x^5+2*x^4+5*x^3+4*x^2+3*x+1)/(x^6+3*x^5+3*x^4+7*x^3+x^2+2*x-1)$  lgdogf  
A126944 6.83358 [  $-(x^5+2*x^4+5*x^3+4*x^2+3*x+1)/(x^6+3*x^5+3*x^4+7*x^3+x^2+2*x-1)$  ogf ]  
A126945 5.50133  $-(5+10*x$   
 $+23*x^8+59*x^6+72*x^5+66*x^4+50*x^3+42*x^2+31*x+1)/(x^5+3*x^4+5*x^3+4*x^2+3*x+1)/(x^6+4*x^5+4*x^4+7*x^3+x^2+2*x-1)$  lgdogf  
A126945 6.83358 [  $-(x^5+3*x^4+5*x^3+4*x^2+3*x+1)/(x^6+4*x^5+4*x^4+7*x^3+x^2+2*x-1)$  ogf ]  
A126946 7.39023  $-(x^3-x^2-1)/(x^6+4*x^5+4*x^4+7*x^3+x^2+2*x-1)$  lgdogf  
A126946 8.49898 [  $2*x*(x^3-x^2-1)/(x^6+4*x^5+4*x^4+7*x^3+x^2+2*x-1)$  ogf ]  
A126947 8.20234  $-(2*x+12*x^6+14*x^5+27*x^4+16*x^3+4*x^2+19*x)/(1+x^2)/(x^6+4*x^5+4*x^4+7*x^3+x^2+2*x-1)$  lgdogf  
A126947 9.33838 [  $-2*x*(x^2+1)/(x^6+4*x^5+4*x^4+7*x^3+x^2+2*x-1)$  ogf ]  
A126948 6.84782  $-(6+10*x+3*x^8+50*x^6+68*x^5+84*x^4+56*x^3+20*x^2+41*x)/(x^3+3*x^2+2*x+2)/(x^6+4*x^5+4*x^4+7*x^3+x^2+2*x-1)$  lgdogf  
A126948 7.45621 [  $-2*x^2*(x^3+3*x^2+2*x+2)/(x^6+4*x^5+4*x^4+7*x^3+x^2+2*x-1)$  ogf ]  
A126950 10.5990  $-(x^4-4*x^3+4*x^2-12*x-1)/(x-1)/(x+1)/(x^4-4*x^3+4*x^2-12*x-1)$  lgdogf  
A126950 8.16263 [  $-(x^4-4*x^3+4*x^2-12*x-1)/(x+1)/(x-1)^4$  ogf ]  
A126951 10.6311  $-(1+4*x-8*x^3+25*x^4+4*x^5+3*x^6+19*x^2)/(x-1)/(x+1)/(x^5+x^4+4*x^3-2*x^2+x+1)$  lgdogf  
A126951 8.71468 [  $(x^5+x^4+4*x^3-2*x^2+x+1)/(x-1)^4/(x+1)^4$  ogf ]  
A126958 15.1250  $-2*(-1+11*x+3*x^3-18*x^2)/(x-1)/(3*x^3-15*x^2+13*x-3)$  lgdogf  
A126958 3.93428 [  $\{(277*n^2+2153*n+3966)*a(n+1)+(-448*n^2-2740*n-3792)*a(n+2)+(171*n^2+1011*n+1494)*a(n+3), a(0) = 36, a(1) = 24, a(2) = -60\}$ , ogf ]  
A126958 8.50313 [  $12*(3*x^3-15*x^2+13*x-3)/(x-1)^5$  ogf ]  
A126964 13.8336 [  $-2*x*(7*x+5)/(x-1)^3$  ogf ]  
A126964 32.1959  $-2*(11+7*x)/(7*x+5)/(x-1)$  lgdogf  
A126964 7.22283 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 10, a(2) = 44\}$ , ogf ]  
A126965 13.4232  $3/16-3/8*x-1/16*x^2-1/16*(x^2+6*x+1)*(x+3)^2$  revogf  
A126965 4.13446 [  $\{(12*n^2+42*n+36)*a(n+1)+(-2*n^2-19*n-29)*a(n+2)+(n+3)*a(n+3), a(0) = -1, a(1) = 1, a(2) = 9\}$ , ogf ]  
A126966 39.1930  $-4*x/(-1+4*x)/(2*x-1)$  lgdogf  
A126966 4.94313 [  $\{(-n-3)*a(n+3)+(6*n+12)*a(n+2)+(-12-8*n)*a(n+1), a(0) = 1, a(1) = 0, a(2) = -2\}$ , ogf ]  
A126967 4.62113 [  $\{(8*n^2+28*n+24)*a(n+1)+(6*n+12)*a(n+2)+a(n+3), a(0) = 1, a(1) = 0, a(2) = -4\}$ , ogf ]  
A126972 7.72639 [  $-(x^6-4*x^5+6*x^4-3*x^3-2*x^2+2*x-1)/(x-1)^4$  ogf ]  
A126978 15.3178 [  $-(9873*x-9977)/(x-1)^2$  ogf ]  
A126978 15.9765  $-1/2*(-9977-2*x+(99540529+416*x)^(1/2))/(9873+x)$  revogf  
A126978 21.3020  $-(-10081+9873*x)/(x-1)/(9873*x-9977)$  lgdogf  
A126978 8.77761 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 9977, a(1) = 10081\}$ , ogf ]  
A126979 16.6699 [  $-(209*x-233)/(x-1)^2$  ogf ]  
A126979 19.0795  $-1/2*(-233-2*x+(54289+96*x)^(1/2))/(209+x)$  revogf  
A126979 25.8496  $-(-257+209*x)/(x-1)/(209*x-233)$  lgdogf  
A126979 9.49794 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 233, a(1) = 257\}$ , ogf ]  
A126980 16.9821 [  $-(33*x-47)/(x-1)^2$  ogf ]  
A126980 20.0624  $-1/2*(-47-2*x+(2209+56*x)^(1/2))/(33+x)$  revogf  
A126980 28.9790  $-(-61+33*x)/(x-1)/(33*x-47)$  lgdogf  
A126980 9.50192 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 47, a(1) = 61\}$ , ogf ]  
A126982 14.1908  $3/2*(3-12*x+5*(-4*x+1)^(1/2))/(9*x+4)/(4*x-1)$  lgdogf  
A126982 16.3740  $-1/2*(-5+9*x+3*(9*x-1)*(x-1)^(1/2))*x$  revogf  
A126982 3.83306 [  $\{(-36*n-54)*a(n+1)+(-7*n+3)*a(n+2)+(4*n+12)*a(n+3), a(0) = 1, a(1) = -3, a(2) = 6\}$ , ogf ]  
A126983 14.9717  $1/2*(1-4*x+3*(1-4*x)^(1/2))/(x+2)/(-1+4*x)$  lgdogf  
A126983 20.2843  $-1/2*(-3+x+(1-6*x+x^2)^(1/2))*x$  revogf

A126983 3.76103 [ $\{( -4^n - 6) \cdot a(n+1) + (-7^n - 9) \cdot a(n+2) + (2^n + 6) \cdot a(n+3), a(0) = 1, a(1) = -1, a(2) = 0\}$ ], ogf]  
A126984 17.7717  $2 \cdot (1 - 4^x + 2 \cdot (1 - 4^x)^{1/2}) / (3 + 4^x) / (-1 + 4^x)$  lgdogf  
A126984 24.0778  $-(-2 + 2^x + (1 - 8^x + 4^x)^{1/2}) \cdot x$  revogf  
A126984 4.45024 [ $\{(16^n + 24) \cdot a(n+1) + (8^n + 6) \cdot a(n+2) + (-3^n - 9) \cdot a(n+3), a(0) = 1, a(1) = -2, a(2) = 2\}$ ], ogf]  
A126985 16.9305  $8 \cdot (4 - 16^x + 5 \cdot (1 - 4^x)^{1/2}) / (64^x + 9) / (-1 + 4^x)$  lgdogf  
A126985 19.1010  $-(-5 + 32^x + 4 \cdot ((16^x - 1) \cdot (4^x - 1))^{1/2}) \cdot x$  revogf  
A126985 4.54908 [ $\{(-256^n - 384) \cdot a(n+1) + (28^n + 138) \cdot a(n+2) + (9^n + 27) \cdot a(n+3), a(0) = 1, a(1) = -8, a(2) = 56\}$ ], ogf]  
A126986 18.0121  $4 \cdot (2 - 8^x + 3 \cdot (1 - 4^x)^{1/2}) / (16^x + 5) / (-1 + 4^x)$  lgdogf  
A126986 22.1292  $-(-3 + 8^x + 2 \cdot (1 - 12^x + 16^x)^{1/2}) \cdot x$  revogf  
A126986 4.80555 [ $\{(-64^n - 96) \cdot a(n+1) + (-4^n + 18) \cdot a(n+2) + (5^n + 15) \cdot a(n+3), a(0) = 1, a(1) = -4, a(2) = 12\}$ ], ogf]  
A126987 16.5143  $5/2 \cdot (5 - 20^x + 7 \cdot (1 - 4^x)^{1/2}) / (25^x + 6) / (-1 + 4^x)$  lgdogf  
A126987 18.9914  $-1/2 \cdot (-7 + 25^x + 5 \cdot (1 - 14^x + 25^x)^{1/2}) \cdot x$  revogf  
A126987 4.67455 [ $\{(-100^n - 150) \cdot a(n+1) + (n + 39) \cdot a(n+2) + (6^n + 18) \cdot a(n+3), a(0) = 1, a(1) = -5, a(2) = 20\}$ ], ogf]  
A127002 8.08897 [ $-x^6 \cdot (3^x + 2 + 2^x + 1) / (x^2 + 1) / (x^2 + x + 1) / (x + 1)^2 / (x - 1)^3$  ogf]  
A127002 9.02766  $-(2 + 10^x + 17^x + 2 + 44^x + 4 + 33^x + 3 + 21^x + 7 + 37^x + 6 + 52^x + 5) / (x - 1) / (x + 1) / (x^2 + 1) / (x^2 + x + 1) / (3^x + 2 + 2^x + 1)$  lgdogf  
A127016 15.1864  $7/2 \cdot (7 - 28^x + 9 \cdot (1 - 4^x)^{1/2}) / (49^x + 8) / (-1 + 4^x)$  lgdogf  
A127016 17.4644  $-1/2 \cdot (-9 + 49^x + 7 \cdot (1 - 18^x + 49^x)^{1/2}) \cdot x$  revogf  
A127016 4.28442 [ $\{(-196^n - 294) \cdot a(n+1) + (17^n + 99) \cdot a(n+2) + (8^n + 24) \cdot a(n+3), a(0) = 1, a(1) = -7, a(2) = 42\}$ ], ogf]  
A127017 17.6960  $6 \cdot (3 - 12^x + 4 \cdot (1 - 4^x)^{1/2}) / (36^x + 7) / (-1 + 4^x)$  lgdogf  
A127017 21.6284  $-(-4 + 18^x + 3 \cdot (1 - 16^x + 36^x)^{1/2}) \cdot x$  revogf  
A127017 4.79744 [ $\{(-144^n - 216) \cdot a(n+1) + (8^n + 66) \cdot a(n+2) + (7^n + 21) \cdot a(n+3), a(0) = 1, a(1) = -6, a(2) = 30\}$ ], ogf]  
A127053 17.2275  $-1/2 \cdot (-11 + 81^x + 9 \cdot (1 - 22^x + 81^x)^{1/2}) \cdot x$  revogf  
A127053 4.30039 [ $\{(-324^n - 486) \cdot a(n+1) + (41^n + 183) \cdot a(n+2) + (10^n + 30) \cdot a(n+3), a(0) = 1, a(1) = -9, a(2) = 72\}$ ], ogf]  
A127067 35.7677  $1 / (1 + 2^x - x^2)^{1/2} \cdot x$  revogf  
A127146 13.3382 [ $-(23^x + 2 - 33^x + 12) / (x - 1)^3$  ogf]  
A127146 22.1951  $-(3 - 20^x + 23^x) / (x - 1) / (23^x + 2 - 33^x + 12)$  lgdogf  
A127146 7.55435 [ $\{a(n+3) - 3 \cdot a(n+2) + 3 \cdot a(n+1) - a(n), a(0) = 12, a(1) = 3, a(2) = -4\}$ ], ogf]  
A127147 13.6243 [ $-(60^x + 2 - 101^x + 43) / (x - 1)^3$  ogf]  
A127147 21.0629  $-2 \cdot (3^x - 2) \cdot (10^x - 7) / (x - 1) / (60^x + 2 - 101^x + 43)$  lgdogf  
A127147 7.70067 [ $\{a(n+3) - 3 \cdot a(n+2) + 3 \cdot a(n+1) - a(n), a(0) = 43, a(1) = 28, a(2) = 15\}$ ], ogf]  
A127148 15.4513  $-(7^x - 5) \cdot (13^x + 2 - 10^x + 1) / (x - 1) / (91^x + 3 - 204^x + 2 + 155^x - 40)$  lgdogf  
A127148 4.17495 [ $\{(505^n + 2 + 1251^n + 482) \cdot a(n+1) + (-856^n + 2 - 1968^n - 440) \cdot a(n+2) + (351^n + 2 + 1179^n + 378) \cdot a(n+3), a(0) = -120, a(1) = -15, a(2) = 48\}$ ], ogf]  
A127148 9.77429 [ $3 \cdot (91^x + 3 - 204^x + 2 + 155^x - 40) / (x - 1)^4$  ogf]  
A127161 8.48397  $(3 - x + 3^x + 5 + 4^x + 3 - 7^x + 4 + 22^x + 21 + 23^x + 25 - 43^x + 22 + 45^x + 23 - 47^x + 24) / (x - 1) / (x^{25} - x^{24} + x^{23} - x^{22} + x^{21} - x^{20} + x^{19} - x^{18} + x^{17} - x^{16} + x^{15} - x^{14} + x^{13} - x^{12} + x^{11} - x^{10} + x^9 - x^8 + x^7 - x^6 + x^5 - x^4 + x^3 - x^2 + x - 1)$  lgdogf  
A127161 9.18454 [ $-(x^{25} - x^{24} + x^{23} - x^{22} + x^{21} - x^{20} + x^{19} - x^{18} + x^{17} - x^{16} + x^{15} - x^{14} + x^{13} - x^{12} + x^{11} - x^{10} + x^9 - x^8 + x^7 - x^6 + x^5 - x^4 + x^3 - x^2 + x - 1)$  ogf]  
A127189 40.0097  $1 / (2^x + 1) / (1 + 4^x)$  lgdegf  
A127189 5.63935 [ $\{(8^n + 2 + 8^n) \cdot a(n) + (6^n + 5) \cdot a(n+1) + a(n+2), a(0) = 1, a(1) = 1\}$ ], ogf]  
A127190 40.0771  $-1 / (1 + 2^x) / (4^x + 1)$  lgdegf  
A127190 5.98869 [ $\{(8^n + 2 + 8^n) \cdot a(n) + (6^n + 7) \cdot a(n+1) + a(n+2), a(0) = 1, a(1) = -1\}$ ], ogf]  
A127193 4.79096 [ $(7^x + 8 + 6^x + 7 + 5^x + 6 + 4^x + 5 + 3^x + 4 + 2^x + 3 + x^2 - 1) / (x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf]  
A127194 4.40791 [ $(8^x + 9 + 7^x + 8 + 6^x + 7 + 5^x + 6 + 4^x + 5 + 3^x + 4 + 2^x + 3 + x^2 - 1) / (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf]  
A127195 5.76653  $-2 \cdot (1 + 4^x + 36^x + 6 + 18^x + 4 + 12^x + 3 + 28^x + 5 + 8^x + 2 + 32^x + 7 + 40^x + 8 + 16^x + 9 + 16^x + 10) / (1 + 2^x) / (2^x + 2 + 2^x + 1) / (8^x + 6 + 4^x + 4 + 2^x + 2 - 1)$  lgdogf

A127195 7.86606 [  $-2*(2*x+1)*(2*x^4+2*x^2+1)/(8*x^6+4*x^4+2*x^2-1)$  ogf]  
A127210 13.6385  $-9*(1+2*x+6*x^2)/(6*x+1)/(9*x^2+3*x-1)$  lgdogf  
A127210 14.0071  $1/6*(-1-x+(1+10*x+5*x^2)^{(1/2)})/(2+x)$  revogf  
A127210 16.9266 [  $-3*(6*x+1)/(9*x^2+3*x-1)$  ogf]  
A127210 9.38099 [{a(n+2)-3\*a(n+1)-9\*a(n), a(0) = 3, a(1) = 27}], ogf]  
A127211 12.9390 [  $-4*(8*x+1)/(16*x^2+4*x-1)$  ogf]  
A127211 14.9038  $-4*(3+8*x+32*x^2)/(8*x+1)/(16*x^2+4*x-1)$  lgdogf  
A127211 16.1122  $1/8*(-1-x+(1+10*x+5*x^2)^{(1/2)})/(2+x)$  revogf  
A127211 7.23968 [{a(n+2)-4\*a(n+1)-16\*a(n), a(0) = 4, a(1) = 48}], ogf]  
A127212 12.7175 [  $-5*(10*x+1)/(25*x^2+5*x-1)$  ogf]  
A127212 13.9510  $-5*(3+10*x+50*x^2)/(10*x+1)/(25*x^2+5*x-1)$  lgdogf  
A127212 15.4196  $1/10*(-1-x+(1+10*x+5*x^2)^{(1/2)})/(2+x)$  revogf  
A127212 7.11573 [{a(n+2)-5\*a(n+1)-25\*a(n), a(0) = 5, a(1) = 75}], ogf]  
A127213 11.8690 [  $-6*(12*x+1)/(36*x^2+6*x-1)$  ogf]  
A127213 13.0067  $-18*(1+4*x+24*x^2)/(1+12*x)/(36*x^2+6*x-1)$  lgdogf  
A127213 14.3758  $1/12*(-1-x+(1+10*x+5*x^2)^{(1/2)})/(2+x)$  revogf  
A127213 6.56284 [{a(n+2)-6\*a(n+1)-36\*a(n), a(0) = 6, a(1) = 108}], ogf]  
A127214 10.7784  $-2*(3+16*x+48*x^4+32*x^3+8*x^2)/(12*x^2+4*x+1)/$   
 $(8*x^3+4*x^2+2*x-1)$  lgdogf  
A127214 11.6814 [  $-2*(12*x^2+4*x+1)/(8*x^3+4*x^2+2*x-1)$  ogf]  
A127214 6.35305 [{-a(n+3)+2\*a(n+2)+4\*a(n+1)+8\*a(n), a(0) = 2, a(1) = 12, a(2) = 56}], ogf]  
A127215 10.7703 [  $-3*(27*x^2+6*x+1)/(27*x^3+9*x^2+3*x-1)$  ogf]  
A127215 5.94226 [{-a(n+3)+3\*a(n+2)+9\*a(n+1)+27\*a(n), a(0) = 3, a(1) = 27, a(2) = 189}], ogf]  
A127216 8.11873  $-2*(3+16*x+256*x^6+192*x^5+80*x^4+56*x^2)/(32*x^3+12*x^2+4*x+1)/$   
 $(16*x^4+8*x^3+4*x^2+2*x-1)$  lgdogf  
A127216 9.29451 [  $-2*(32*x^3+12*x^2+4*x+1)/(16*x^4+8*x^3+4*x^2+2*x-1)$  ogf]  
A127218 7.11694  $(2+2*x+10*x^6-2*x^5+5*x^12+4*x^10+8*x^3-13*x^8+x^4+2*x^2)/(1+x)/$   
 $(x^4+x^2-1)/(x^8-x^7+x^4-x^3+x^2-2)$  lgdogf  
A127218 8.88862 [  $(x+1)*(x^8-x^7+x^4-x^3+x^2-2)/(x^4+x^2-1)$  ogf]  
A127220 7.55961  $-9*(1+8*x+42*x^2+135*x^4+486*x^5+972*x^6)/(108*x^3+27*x^2+6*x$   
 $+1)/(81*x^4+27*x^3+9*x^2+3*x-1)$  lgdogf  
A127220 8.52829 [  $-3*(108*x^3+27*x^2+6*x+1)/(81*x^4+27*x^3+9*x^2+3*x-1)$  ogf]  
A127221 5.67018  $-2*(3+16*x$   
 $+1280*x^8+512*x^6+128*x^5+1024*x^7-80*x^4+160*x^3+56*x^2)/$   
 $(80*x^4+32*x^3+12*x^2+4*x+1)/(32*x^5+16*x^4+8*x^3+4*x^2+2*x-1)$  lgdogf  
A127221 7.57575 [  $-2*(80*x^4+32*x^3+12*x^2+4*x+1)/$   
 $(32*x^5+16*x^4+8*x^3+4*x^2+2*x-1)$  ogf]  
A127222 6.86567 [  $-3*(405*x^4+108*x^3+27*x^2+6*x+1)/$   
 $(243*x^5+81*x^4+27*x^3+9*x^2+3*x-1)$  ogf]  
A127226 12.5420 [  $2*(x-1)/(6*x^2+2*x-1)$  ogf]  
A127226 15.7670  $1/2*(-1-x+(1+7*x^2)^{(1/2)})/(-1+3*x)$  revogf  
A127226 6.88278 [{-a(n+2)+2\*a(n+1)+6\*a(n), a(0) = 2, a(1) = 2}], ogf]  
A127227 4.18454 [{(n+8)\*a(n+1)+(-2\*n-11)\*a(n+2)+(n+3)\*a(n+3), a(0) = 719, a(1) = 5039, a(2) = 20159}], ogf]  
A127227 4.99647 [  $(x^6-6*x^5+15*x^4-20*x^3+15*x^2-6*x-719)/(x-1)^7$  ogf]  
A127227 7.29613  $-(-5039-6*x+x^6+15*x^4-20*x^3-6*x^5+15*x^2)/(x-1)/$   
 $(x^6-6*x^5+15*x^4-20*x^3+15*x^2-6*x-719)$  lgdogf  
A127228 3.42049 [{(n+10)\*a(n+1)+(-2\*n-13)\*a(n+2)+(n+3)\*a(n+3), a(0) = 40319, a(1) = 362879, a(2) = 1814399}], ogf]  
A127228 5.82879 [  $(x^8-8*x^7+28*x^6-56*x^5+70*x^4-56*x^3+28*x^2-8*x-40319)/(x-1)^9$  ogf]  
A127229 4.13583 [{(n+12)\*a(n+1)+(-2\*n-15)\*a(n+2)+(n+3)\*a(n+3), a(0) = 3628799, a(1) = 39916799, a(2) = 239500799}], ogf]  
A127261 11.1191 [  $2*(x-1)/(10*x^2+2*x-1)$  ogf]  
A127261 13.1395  $-(-1-20*x+10*x^2)/(x-1)/(10*x^2+2*x-1)$  lgdogf  
A127261 6.16240 [{-a(n+2)+2\*a(n+1)+10\*a(n), a(0) = 2, a(1) = 2}], ogf]  
A127262 12.5657 [  $2*(x-1)/(12*x^2+2*x-1)$  ogf]  
A127262 14.8858  $-(-1-24*x+12*x^2)/(x-1)/(12*x^2+2*x-1)$  lgdogf  
A127262 6.96414 [{-a(n+2)+2\*a(n+1)+12\*a(n), a(0) = 2, a(1) = 2}], ogf]

A127264 8.74519 [  $-(x^{26}-x^{25}-x^6-5x^4-4x^3-5x^2-4x-4)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A127275 13.0324  $-(9x-2+(-(-1+4x)*(2x-1)^2)^{(1/2)})/(x^2+4x-1)/(-1+4x)$  lgdogf  
A127276 16.8907  $-(1-12x+8x^2)/(x-1)/(2x-1)/(-1+4x)$  lgdogf  
A127276 5.10340 [  $\{-a(n+3)+6a(n+2)-12a(n+1)+8a(n), a(0) = 1, a(1) = 1, a(2) = -2\}$ , ogf ]  
A127276 9.30135 [  $-(4x-1)*(x-1)/(2x-1)^3$  ogf ]  
A127307 8.08610 [  $-(56x^{23}-56x^{22}+18x^9-18x^8+6x^4-6x^3+2x^2-3)/(x-1)^2$  ogf ]  
A127316 12.9238 [  $-(73x^2-140x+71)/(x-1)^3$  ogf ]  
A127316 19.6325  $-(73-134x+73x^2)/(x-1)/(73x^2-140x+71)$  lgdogf  
A127316 7.30478 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 71, a(1) = 73, a(2) = 79\}$ , ogf ]  
A127357 16.6505 [  $1/(9x^2-2x+1)$  ogf ]  
A127357 20.4434  $-2*(-1+9x)/(9x^2+1-2x)$  lgdogf  
A127357 5.88860 [  $\{a(n+2)-2a(n+1)+9a(n), a(0) = 1, a(1) = 2\}$ , ogf ]  
A127358 10.6625  $-1/2*(-3-9x+(1+6x+x^2)^{(1/2)})/(1+6x+10x^2)*x$  revogf  
A127358 7.31146  $1/2*(-40x^2-2x+9+3*(-(2x-1)*(2x+1))^{(1/2)})/(2x+1)/(5x-2)/(2x-1)$  lgdogf  
A127359 3.73205 [  $\{(40n+80)*a(n+1)+(-12n-4)*a(n+2)+(-10n-46)*a(n+3)+(3n+12)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 14, a(3) = 48\}$ , ogf ]  
A127359 6.03755  $4*(-10x^2-x+2+(-(2x-1)*(2x+1))^{(1/2)})/(2x+1)/(10x-3)/(2x-1)$  lgdogf  
A127359 8.53132  $-(-2-8x+(1+8x+4x^2)^{(1/2)})/(1+8x+20x^2)*x$  revogf  
A127360 5.37851  $1/2*(-136x^2-18x+25+15*(-(2x-1)*(2x+1))^{(1/2)})/(2x+1)/(17x-4)/(2x-1)$  lgdogf  
A127360 7.20336  $-1/2*(-25x-5+3*((1+x)*(9x+1))^{(1/2)})/(1+10x+34x^2)*x$  revogf  
A127361 10.0070  $1/2*(-40x^2-18x+1+3*(-(2x-1)*(2x+1))^{(1/2)})/(2x+1)/(5x+2)/(2x-1)$  lgdogf  
A127361 14.5000  $1/2/(1-2x+10x^2)*(-1+x+3*(1-2x+9x^2)^{(1/2)})*x$  revogf  
A127361 3.38414 [  $\{(20n+40)*a(n+1)+(8n+26)*a(n+2)+(-5n-16)*a(n+3)+(-2n-8)*a(n+4), a(0) = 1, a(1) = -1, a(2) = 4, a(3) = -7\}$ , ogf ]  
A127362 10.2465  $2*(-20x^2-8x+1+2*(-(2x-1)*(2x+1))^{(1/2)})/(2x+1)/(10x+3)/(2x-1)$  lgdogf  
A127362 14.7293  $(-1+2x+2*(1-4x+16x^2)^{(1/2)})/(1-4x+20x^2)*x$  revogf  
A127362 3.32199 [  $\{(-40n-80)*a(n+1)+(-12n-44)*a(n+2)+(10n+34)*a(n+3)+(3n+12)*a(n+4), a(0) = 1, a(1) = -2, a(2) = 8, a(3) = -24\}$ , ogf ]  
A127363 10.2221  $1/2*(-136x^2-50x+9+15*(-(2x-1)*(2x+1))^{(1/2)})/(2x+1)/(17x+4)/(2x-1)$  lgdogf  
A127363 14.5469  $1/2/(1-6x+34x^2)*(-3+9x+5*(1-6x+25x^2)^{(1/2)})*x$  revogf  
A127363 3.54702 [  $\{(-68n-136)*a(n+1)+(-16n-66)*a(n+2)+(17n+60)*a(n+3)+(4n+16)*a(n+4), a(0) = 1, a(1) = -3, a(2) = 14, a(3) = -57\}$ , ogf ]  
A127365 10.0074 [  $-(x+1)*x^2/(x^2+1)^2$  ogf ]  
A127365 19.5776 [  $[2x^3-3x+1]$  ogf\_with\_Euler\_transform ]  
A127365 22.9710  $-(-1+4x+3x^2)/(x+1)/(1+x^2)$  lgdogf  
A127369 13.6005  $-4*(5+20x+32x^2)/(-1+4x)/(16x^2+4x+1)$  lgdogf  
A127369 3.27528 [  $\{(-n-4)*a(n+4)+20a(n+3)+80a(n+2)+(192+64n)*a(n+1), a(0) = 8, a(1) = 160, a(2) = 1920, a(3) = 17408\}$ , ogf ]  
A127369 7.47435 [  $8*(16x^2+4x+1)/(4x-1)^4$  ogf ]  
A127389 12.5277  $-1/2*(-1+x-x^2+(1+2x-9x^2+6x^3+x^4)^{(1/2)})/(-1+2x)$  revogf  
A127391 10.2823 [  $-(2x^7-2x^3)/(-x^{12}-x^8-x^4-1)$  ogf\_with\_Euler\_transform ]  
A127392 15.0308 [  $-(2x-2)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform ]  
A127393 14.6431 [  $-(4x-4)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform ]  
A127394 3.24489 [  $\{(2n^2+10n+12)*a(n+1)+(4n^2+36n+72)*a(n+2)+(30+7n)*a(n+3)+(-2n-8)*a(n+4), a(0) = 4, a(1) = 18, a(2) = 88, a(3) = 460\}$ , ogf ]  
A127394 37.0925  $(9+8x+2x^2)/(x+2)$  lgdegf  
A127407 24.0728  $-(-15+2x+3x^2)/(x-1)/(x^2-3)$  lgdogf  
A127407 3.79705 [  $\{(-3n-12)*a(n+4)+(24+3n)*a(n+3)+n*a(n+2)+(-4-n)*a(n+1), a(0) = 3, a(1) = 15, a(2) = 44, a(3) = 100\}$ , ogf ]  
A127407 9.82171 [  $(x^2-3)/(x-1)^5$  ogf ]  
A127408 13.8733  $-2*(-72-49x+2x^3+14x^2)/(x-1)/(x-3)/(x^2+8x+6)$  lgdogf

A127408 3.66390 [  $\{(8n^2+78n+190)a(n+1)+(-45n^2-544n-1764)a(n+2)+(37n^2+292n+543)a(n+3), a(0) = 18, a(1) = 144, a(2) = 625\}$ , ogf]  
A127408 6.60872 [  $(x-3)^*(x^2+8x+6)/(x-1)^7$  ogf]  
A127409 4.46638 [  $(x^4+19x^3-54x^2-310x-160)/(x-1)^9$  ogf]  
A127409 8.33267 [  $(-1750-2588x-321x^2+118x^3+5x^4)/(x-1)/(x^4+19x^3-54x^2-310x-160)$  lgdogf]  
A127410 4.19240 [  $(x^5+53x^4-82x^3-2882x^2-5295x-1875)/(x-1)^{11}$  ogf]  
A127410 7.48678 [  $-2*(-12960-29357x+188x^4-222x^3+3x^5-13092x^2)/(x-1)/(x^5+53x^4-82x^3-2882x^2-5295x-1875)$  lgdogf]  
A127411 5.38767 [  $(-453789-1380202x-1053775x^2-204100x^3+2005x^4+1054x^5+7x^6)/(x-1)/(x^6+131x^5+150x^4-20470x^3-90215x^2-99981x-27216)$  lgdogf]  
A127421 11.5969 [  $2*(6+5x+3645x^8-6435x^9+2880x^{10})/(x-1)/(720x^{10}-810x^9-10x-1)$  lgdogf]  
A127421 12.1716 [  $-(720x^{10}-810x^9-10x-1)/(x-1)^2$  ogf]  
A127422 11.3333 [  $-3*(24000x^{10}-24660x^9-2670x^8-33x-4)/(x-1)^2$  ogf]  
A127423 10.6691 [  $(21+x+9900x^9-17820x^{10}+8100x^{11})/(x-1)/(900x^{11}-990x^{10}+9x^2-19x-1)$  lgdogf]  
A127423 10.7303 [  $-(900x^{11}-990x^{10}+9x^2-19x-1)/(x-1)^2$  ogf]  
A127424 9.24391 [  $-3*(33300x^{11}-33330x^{10}-3300x^9+33x-70)/(x-1)^2$  ogf]  
A127509 11.1048 [  $-(9-28x-4x^2+32x^3)/(x-1)/(2x+1)/(-1+2x)/(-1+4x)$  lgdogf]  
A127509 11.3338 [  $-3*(2x+1)/(2x-1)/(4x-1)/(x-1)$  ogf]  
A127509 5.27609 [  $\{a(n+3)-7a(n+2)+14a(n+1)-8a(n), a(0) = 3, a(1) = 27, a(2) = 147\}$ , ogf]  
A127526 10.9822 [  $-(x^3+x^2-15x+15)/(x^2-3x+1)/(x-1)/(x+1)$  ogf]  
A127531 3.68126 [  $\{(4n^2+14n+12)a(n+1)+(19n^2+126n+195)a(n+2)+(-5n^2-35n-30)a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A127533 3.45987 [  $\{(-8n^2-28n-24)a(n+1)+(-26n^2-174n-276)a(n+2)+(7n^2+49n)a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$ , ogf]  
A127540 3.64248 [  $\{(4n^2+22n+30)a(n+1)+(3n^2+15n+20)a(n+2)+(-n^2-7n-10)a(n+3), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A127546 12.4756 [  $-2*(x^2-x-1)/(x+1)/(x^2-3x+1)$  ogf]  
A127546 14.9508 [  $-(3+2x+x^4-2x^3+x^2)/(x+1)/(x^2-3x+1)/(x^2-x-1)$  lgdogf]  
A127546 6.73460 [  $\{a(n+3)-2a(n+2)-2a(n+1)+a(n), a(0) = 2, a(1) = 6, a(2) = 14\}$ , ogf]  
A127547 10.5726 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 4, a(1) = 17\}$ , ogf]  
A127547 19.5006 [  $(9x+4)/(x-1)^2$  ogf]  
A127547 29.7043 [  $(-2-x+(4+13x)^{1/2})/(-9+x)$  revogf]  
A127547 37.4533 [  $-(17+9x)/(9x+4)/(x-1)$  lgdogf]  
A127595 8.13208 [  $x*(x^2+5x+1)/(x^2-7x+1)/(x^2-3x+1)$  ogf]  
A127595 8.34115 [  $(-15+44x+5x^4-96x^3+2x^5+95x^2)/(x^2+5x+1)/(x^2-7x+1)/(x^2-3x+1)$  lgdogf]  
A127617 8.45219 [  $-(x+1)*(3x-1)/(x^4-2x^3-5x^2-3x+1)$  ogf]  
A127617 8.77937 [  $-(1+4x+6x^5-12x^3+5x^2)/(3x-1)/(1+x)/(x^4-2x^3-5x^2-3x+1)$  lgdogf]  
A127618 7.26696 [  $(1+2x-12x^5+2x^6+10x^4+32x^3-10x^2)/(2x^3-6x^2-4x+1)/(x^4-2x^3-5x^2-3x+1)$  lgdogf]  
A127618 8.18484 [  $(x^4-2x^3-5x^2-3x+1)/(2x^3-6x^2-4x+1)$  ogf]  
A127619 5.75362 [  $(-1-21x^2+20x^3+218x^4+80x^5-96x^6+16x^7)/(2x^3-6x^2-4x+1)/(4x^5-12x^4-11x^3+6x^2+5x-1)$  lgdogf]  
A127619 6.82161 [  $-(2x^3-6x^2-4x+1)/(4x^5-12x^4-11x^3+6x^2+5x-1)$  ogf]  
A127620 5.33410 [  $(4x^5-12x^4-11x^3+6x^2+5x-1)/(2x^4-2x^3-6x^2-5x+1)/(4x^2+x-1)$  ogf]  
A127624 3.85043 [  $(9x^{10}+8x^9+7x^8+6x^7+5x^6+4x^5+3x^4+2x^3+x^2-1)/(x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A127624 4.54793 [  $(-(-20x^{14}-20x^{13}+51x^{12}+9x^{11}-20x^{10}-8x^3+4x^2+4x-2)/(20x^{14}-20x^{13}-11x^{12}+11x^{11}+8x^3-4x^2-4x+2)$  ogf\_with\_Euler\_transform]  
A127628 13.0042 [  $6*(3-12x+2*(1-4x)^{1/2})/(36x-5)/(-1+4x)$  lgdogf]  
A127628 16.8290 [  $(-2-18x+3*(1+8x+36x^2)^{1/2})*x$  revogf]  
A127628 3.67401 [  $\{(144n+216)a(n+1)+(-56n-138)a(n+2)+(5n+15)a(n+3), a(0) = 1, a(1) = 6, a(2) = 42\}$ , ogf]



A127630 20.6858  $-(1-7*x+x^2+x^3)/(x-1)/(x+1)/(1+x^2)$  lgdogf  
A127630 22.2476  $[[2*x^3-4*x+1]$  ogf\_with\_Euler\_transform]  
A127630 9.97048  $[-(x-1)*(x+1)^2/(x^2+1)^2$  ogf]  
A127681 5.05217  $[-(2*x^12+2*x^10-4*x^8-2*x^4-x^2+1)/(x-1)/$   
 $(x^12-2*x^11-2*x^10-6*x^9-9*x^8-4*x^7-4*x^6-4*x^5-5*x^4-2*x^3-2*x^2+1)$  ogf]  
A127682 11.2456  $[-x*(x^4+x^3+x^2+x+1)/(x^6+x^4-1)$  ogf]  
A127682 9.92424  $-(1+2*x+8*x^3+3*x^2+3*x^4+8*x^5+6*x^6+4*x^7+3*x^8+2*x^9)/$   
 $(x^4+x^3+x^2+x+1)/(x^6+x^4-1)$  lgdogf  
A127692 3.83807  $[-(x^15+x^14-x^12+x^11-x^9+x^5-2*x^3+x^2+x-1)/(x^16-$   
 $x^14+x^12+x^4-x^2+1)$  ogf\_with\_Euler\_transform]  
A127694 11.6932  $-(-235+347*x+45*x^3-205*x^2)/(x-1)/(45*x^3-170*x^2+229*x-116)$   
lgdogf  
A127694 3.54768  $[{(-199*n^2-1859*n-2922)*a(n+1)+(-64*n^2-1538*n-4230)*a(n$   
 $+2)+(263*n^2+2011*n+3666)*a(n+3), a(0) = 580, a(1) = 1175, a(2) = 2070}$ , ogf]  
A127694 8.45667  $[-5*(45*x^3-170*x^2+229*x-116)/(x-1)^4$  ogf]  
A127736 11.8287  $[-(x^2-3*x-1)/(x-1)^4$  ogf]  
A127736 24.2768  $-(-7-7*x+2*x^2)/(x-1)/(x^2-3*x-1)$  lgdogf  
A127736 4.10141  $[{(-n-4)*a(n+4)+(1-2*n)*a(n+3)+(15+4*n)*a(n+2)+(-3-n)*a(n+1),$   
 $a(0) = 1, a(1) = 7, a(2) = 21, a(3) = 46}$ , ogf]  
A127769 3.70259  $[{(192*n^3-12*n)*a(n)+(20*n^3+110*n^2+180*n+90)*a(n$   
 $+1)+(-2*n^3-11*n^2-19*n-10)*a(n+2), a(0) = 1, a(1) = 1}$ , ogf]  
A127776 3.96458  $[{(-64*n^2-160*n-100)*a(n+1)+(n^2+4*n+4)*a(n+2), a(0) = 1, a(1)$   
 $= 4}$ , ogf]  
A127786 9.45924  $[-(3*x^7+2*x^6-x^5+2*x^4-6*x^3+2*x^2-x+2)/(x^8-1)$   
ogf\_with\_Euler\_transform]  
A127790 13.6942  $a(n+4)+a(n+3)-a(n+1)-a(n), a(0)=4, a(1)=8, a(2)=16, a(3)=8$  lgdogf  
A127790 30.8604  $[4*x^2+2*x+4$  ogf\_with\_Euler\_transform]  
A127811 13.7989  $a(n+4)+a(n+3)-a(n+1)-a(n), a(0)=4, a(1)=8, a(2)=16, a(3)=8$  lgdogf  
A127811 31.1050  $[4*x^2+2*x+4$  ogf\_with\_Euler\_transform]  
A127813 5.98194  $-2*(-4-21*x$   
 $+17*x^6-130*x^4-117*x^3-59*x^5-63*x^2+43*x^7+26*x^8+8*x^9)/(x-1)/(x+1)/(x^2+x$   
 $+1)/(x^6+2*x^5+2*x^4-2*x^3-6*x^2-6*x-1)$  lgdogf  
A127825 5.26009  $[-(x^8-2*x^7+2*x^6-x^5+x^4-x^3+2*x^2-2*x+1)/(x^2-x+1)/(x^2+x$   
 $+1)^2/(x+1)^2/(x-1)^5$  ogf]  
A127838 13.4432  $[(x-1)*(x^2+x+1)/(x^4+x^3-1)$  ogf]  
A127838 18.0134  $-x^3*(x^3-4)/(x-1)/(x^2+x+1)/(x^4+x^3-1)$  lgdogf  
A127839 13.2380  $[(x-1)*(x+1)*(x^2+1)/(x^5+x^4-1)$  ogf]  
A127840 14.2357  $[(x-1)*(x^4+x^3+x^2+x+1)/(x^6+x^5-1)$  ogf]  
A127841 13.1558  $[(x-1)*(x+1)*(x^2+x+1)*(x^2-x+1)/(x^7+x^6-1)$  ogf]  
A127841 13.7577  $-x^6*(x^6-7)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^7+x^6-1)$  lgdogf  
A127842 12.8610  $[(x-1)*(x^6+x^5+x^4+x^3+x^2+x+1)/(x^8+x^7-1)$  ogf]  
A127842 13.7983  $-x^7*(-8+x^7)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^8+x^7-1)$  lgdogf  
A127843 12.2560  $[(x-1)*(x+1)*(x^2+1)*(x^4+1)/(x^9+x^8-1)$  ogf]  
A127843 13.1829  $-x^8*(x^4-3)*(x^4+3)/(x-1)/(x+1)/(1+x^2)/(1+x^4)/(x^9+x^8-1)$   
lgdogf  
A127844 11.3534  $[(x-1)*(x^2+x+1)*(x^6+x^3+1)/(x^10+x^9-1)$  ogf]  
A127844 14.4588  $-x^9*(-10+x^9)/(x-1)/(x^2+x+1)/(x^6+x^3+1)/(x^10+x^9-1)$  lgdogf  
A127846 10.0259  $-((9*x-1)^(1/2)*(x-1)^(1/2)+1)/(9*x-1)^(1/2)/(x-1)^(1/2)/x$   
lgdogf  
A127846 38.7669  $x/(1+x)/(4*x+1)$  revogf  
A127846 4.80193  $[{-9*a(n)*n+(10*n+15)*a(n+1)+(-n-3)*a(n+2), a(0) = 0, a(1) = 1}$ ,  
ogf]  
A127848 12.4216  $-((1-12*x+16*x^2)^(1/2)-1)/x/(1-12*x+16*x^2)^(1/2)$  lgdogf  
A127848 41.4055  $x/(1+x)/(5*x+1)$  revogf  
A127848 5.08239  $[{-16*a(n)*n+(12*n+18)*a(n+1)+(-n-3)*a(n+2), a(0) = 0, a(1) =$   
 $1}$ , ogf]  
A127854 12.1971  $[-(x^2+4*x+19)/(x-1)^3$  ogf]  
A127854 22.4686  $-(61+10*x+x^2)/(x-1)/(x^2+4*x+19)$  lgdogf  
A127854 6.51914  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 19, a(1) = 61, a(2) =$   
 $127}$ , ogf]  
A127858 11.0377  $[-6*(2*x-1)/(12*x-1)/(x-1)$  ogf]

A127858 11.2712  $-1/24*(-6-13*x+(36+108*x+121*x^2)^{(1/2)})/(1+x)$  revogf  
A127858 12.9619  $-(11-24*x+24*x^2)/(x-1)/(2*x-1)/(12*x-1)$  lgdogf  
A127858 6.23306  $[{a(n+2)-13*a(n+1)+12*a(n), a(0) = 6, a(1) = 66}],$  ogf]  
A127864 19.1629  $[-1/(x+1)/(2*x^2+2*x-1)$  ogf]  
A127864 22.7080  $-(1+8*x+6*x^2)/(x+1)/(2*x^2+2*x-1)$  lgdogf  
A127864 7.01497  $[{-a(n+3)+a(n+2)+4*a(n+1)+2*a(n), a(0) = 1, a(1) = 1, a(2) = 5}],$  ogf]  
A127865 12.1327  $-2*(2+9*x+10*x^3+18*x^2)/(2*x+1)/(x+1)/(2*x^2+2*x-1)$  lgdogf  
A127865 8.14906  $[2*(2*x+1)/(x+1)^2/(2*x^2+2*x-1)^2$  ogf]  
A127866 11.3771  $[4/(x+1)/(2*x^2+2*x-1)^2$  ogf]  
A127866 17.9721  $-(3+14*x+10*x^2)/(x+1)/(2*x^2+2*x-1)$  lgdogf  
A127866 3.26668  $[{(n+4)*a(n+4)+(-6-n)*a(n+3)+(-22-4*n)*a(n+2)+(-12-2*n)*a(n+1),$   
 $a(0) = 4, a(1) = 12, a(2) = 52, a(3) = 172}],$  ogf]  
A127867 10.7296  $[-(x-1)^2/(2*x^4-x^3+7*x^2+3*x-1)$  ogf]  
A127867 12.5425  $-(-1-17*x+3*x^2-9*x^3+4*x^4)/(x-1)/(2*x^4-x^3+7*x^2+3*x-1)$   
lgdogf  
A127868 6.12610  $-2*(-5-17*x+12*x^6+9*x^5-4*x^3-39*x^4-56*x^2)/(x-1)/(3*x^2+6*x$   
 $+1)/(2*x^4-x^3+7*x^2+3*x-1)$  lgdogf  
A127868 6.51852  $[3*(3*x^2+6*x+1)*(x-1)^2/(2*x^4-x^3+7*x^2+3*x-1)^2$  ogf]  
A127869 4.17920  $[4*(x-1)*(x^3-3*x^2-3)/(2*x^4-x^3+7*x^2+3*x-1)^2$  ogf]  
A127869 5.27546  $-(15+81*x-42*x^6+48*x^5+8*x^7-88*x^4+121*x^3-93*x^2)/(x-1)/$   
 $(2*x^4-x^3+7*x^2+3*x-1)/(x^3-3*x^2-3)$  lgdogf  
A127870 4.90627  $[-(4*x^5+8*x^4+10*x^3+6*x^2+4*x-1)/(x-1)/$   
 $(4*x^8+8*x^7+18*x^6-56*x^5-28*x^4+44*x^3+38*x^2+4*x-1)$  ogf]  
A127873 14.4972  $-(-19+17*x+3*x^3-13*x^2)/(x-1)/(3*x^3-11*x^2+13*x-8)$  lgdogf  
A127873 9.73049  $[-(3*x^3-11*x^2+13*x-8)/(x-1)^4$  ogf]  
A127876 10.1666  $[(2*x+1)*(x^2+7*x+1)/(x-1)^4$  ogf]  
A127876 15.2543  $-(13+57*x+36*x^2+2*x^3)/(x-1)/(2*x+1)/(x^2+7*x+1)$  lgdogf  
A127876 4.24061  $[{(-83*n^2-367*n-402)*a(n+1)+(70*n^2+32*n+18)*a(n$   
 $+2)+(13*n^2+47*n+24)*a(n+3), a(0) = 1, a(1) = 13, a(2) = 61}],$  ogf]  
A127877 4.76479  $[-(x^8+4*x^7+22*x^6+244*x^5+248*x^4+508*x^3+154*x^2+108*x+7)/(x$   
 $+1)^4/(x-1)^5$  ogf]  
A127878 10.3852  $-(65-54*x+9*x^4-38*x^3+138*x^2)/(x-1)/(9*x^4-37*x^3+83*x^2-55*x$   
 $+24)$  lgdogf  
A127878 7.16962  $[-(9*x^4-37*x^3+83*x^2-55*x+24)/(x-1)^5$  ogf]  
A127883 5.55741  $[-(60*x^5-338*x^4+772*x^3-933*x^2+542*x-163)/(x-1)^6$  ogf]  
A127883 7.12865  $-4*(-109+211*x-94*x^4+241*x^3+15*x^5-354*x^2)/(x-1)/$   
 $(60*x^5-338*x^4+772*x^3-933*x^2+542*x-163)$  lgdogf  
A127896 14.1347  $[1/(x^3+3*x^2+2*x+1)$  ogf]  
A127896 18.9989  $-(2+6*x+3*x^2)/(3*x^2+1+2*x+x^3)$  lgdogf  
A127896 5.17430  $[{a(n+3)+2*a(n+2)+3*a(n+1)+a(n), a(0) = 1, a(1) = -2, a(2) = 1}],$  ogf]  
A127897 29.8697  $x/(1+2*x+3*x^2+x^3)$  revogf  
A127897 3.87836  $[{(-23*n^2-23*n)*a(n)+(-42*n^2-128*n-86)*a(n$   
 $+1)+(-15*n^2-79*n-104)*a(n+2)+(4*n^2+26*n+42)*a(n+3), a(0) = 0, a(1) = 1, a(2) =$   
 $2}],$  ogf]  
A127902 75.0153  $x/(1+x+x^4)$  revogf  
A127904 14.4856  $[-x*(2*x^2-1)/(x-1)/(2*x-1)$  ogf]  
A127904 18.4027  $-(3-8*x+6*x^2)/(x-1)/(2*x-1)/(2*x^2-1)$  lgdogf  
A127904 6.28135  $[{a(n+4)-3*a(n+3)+2*a(n+2), a(0) = 0, a(1) = 1, a(2) = 3, a(3) =$   
 $5}],$  ogf]  
A127931 5.46834  $[$   
 $(9*x^12+19*x^11+16*x^10+9*x^9+31*x^8+2*x^7+41*x^6+6*x^5+14*x^4+3*x^3+4*x^2+x+1)/$   
 $(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A127932 16.9422  $-4*(1+x+2*x^3+3*x^4+x^2)/(x-1)/(3*x+1)/(x+1)/(x^2+1)$  lgdogf  
A127932 16.9453  $[3*(x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A127934 13.0160  $[2*x^5+x^4+4*x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A127934 6.99202  $-(5+5*x$   
 $+9*x^3+16*x^4+8*x^5+8*x^6+16*x^7+35*x^8+3*x^9+3*x^10+7*x^11+8*x^12+5*x^2)/(x-1)/$   
 $(x+1)/(x^2+1)/(2*x^5+x^4+4*x+1)/(x^4+1)$  lgdogf  
A127960 10.6819  $[-3*x*(3*x+1)/(3*x-1)^3$  ogf]

A127960 23.8780  $-6*(2+3*x)/(3*x-1)/(3*x+1)$  lgdogf  
A127960 5.52836  $[ \{a(n+3)-9*a(n+2)+27*a(n+1)-27*a(n), a(0) = 0, a(1) = 3, a(2) = 36\}, \text{ogf}]$   
A127961 12.1862  $-1/20*(-1-101*x+(1-158*x+9801*x^2)^{(1/2)})/(9+10*x)$  revogf  
A127961 12.4029  $[ -(90*x-1)/(100*x-1)/(x-1)$  ogf]  
A127961 13.5403  $-(11-200*x+9000*x^2)/(x-1)/(90*x-1)/(100*x-1)$  lgdogf  
A127961 7.12808  $[ \{a(n+2)-101*a(n+1)+100*a(n), a(0) = 1, a(1) = 11\}, \text{ogf}]$   
A127968 10.5876  $[ -(x^3+2*x^2-x-1)/(x-1)/(x+1)/(x^2+x-1)$  ogf]  
A127968 7.85448  $-(2+x^6+4*x^5+x^4-4*x^3-2*x^2)/(-1+x)/(x+1)/(x^2+x-1)/(x^3+2*x^2-x-1)$  lgdogf  
A127975 10.9692  $[ \{a(n+3)-3*a(n), a(0) = 1, a(1) = 1, a(2) = 1\}, \text{ogf}]$   
A127975 17.0134  $[ -(x^2+x+1)/(3*x^3-1)$  ogf]  
A127975 17.7920  $-(1+2*x+3*x^4+6*x^3+9*x^2)/(3*x^3-1)/(x^2+x+1)$  lgdogf  
A127976 10.8727  $[ -(x-1)/(x+1)^2/(2*x-1)^2$  ogf]  
A127976 18.5608  $-(1-7*x+6*x^2)/(x-1)/(2*x-1)/(x+1)$  lgdogf  
A127978 10.2622  $-(5-15*x+12*x^2+14*x^3+4*x^4)/(-1+2*x)/(x+1)/(2*x^3+4*x^2+x-3)$  lgdogf  
A127978 8.57131  $[ -(2*x^3+4*x^2+x-3)/(x+1)^2/(2*x-1)^2$  ogf]  
A127979 11.8456  $-2*(x+2)*(2*x^3-x^2-x-1)/(2*x-1)/(x+1)/(2*x^3+2*x^2-2*x-1)$  lgdogf  
A127979 9.09931  $[ -(2*x^3+2*x^2-2*x-1)/(x+1)^2/(2*x-1)^2$  ogf]  
A127980 11.2434  $-(5-2*x+12*x^4-6*x^3-7*x^2)/(x-1)/(2*x-1)/(x+1)/(3*x^2-x-1)$  lgdogf  
A127980 9.80909  $[ (3*x^2-x-1)/(x-1)/(x+1)/(2*x-1)^2$  ogf]  
A127981 10.4127  $[ (2*x^3-1)/(x-1)/(x+1)/(2*x-1)^2$  ogf]  
A127981 11.0560  $-2*(2+x+2*x^5+x^4+2*x^3-7*x^2)/(x-1)/(2*x-1)/(x+1)/(2*x^3-1)$  lgdogf  
A127981 3.38414  $[ \{(2*n+12)*a(n+1)+(-n-5)*a(n+2)+(-2*n-12)*a(n+3)+(n+5)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 13, a(3) = 34\}, \text{ogf}]$   
A127982 11.3927  $-(6-2*x+18*x^4-5*x^3-13*x^2)/(x-1)/(2*x-1)/(x+1)/(3*x^2-x-1)$  lgdogf  
A127982 9.05235  $[ -(3*x^2-x-1)/(x+1)/(2*x-1)^2/(x-1)^2$  ogf]  
A127983 11.2059  $-(5+x+8*x^5+4*x^4+2*x^3-16*x^2)/(x-1)/(2*x-1)/(x+1)/(2*x^3-1)$  lgdogf  
A127983 9.54837  $[ -(2*x^3-1)/(x+1)/(2*x-1)^2/(x-1)^2$  ogf]  
A127984 14.3442  $-(3-2*x+2*x^2+4*x^3)/(-1+2*x)/(x+1)/(2*x^2-1)$  lgdogf  
A127984 15.7019  $[ -(2*x^2-1)/(2*x-1)^2/(x+1)$  ogf]  
A127984 8.18504  $[ \{a(n+3)-3*a(n+2)+4*a(n), a(0) = 1, a(1) = 3, a(2) = 7\}, \text{ogf}]$   
A127985 10.3082  $[ x*(2*x^2-1)/(x-1)/(x+1)/(2*x-1)^2$  ogf]  
A127985 12.6769  $-2*(2-x-4*x^2+4*x^4)/(x-1)/(-1+2*x)/(x+1)/(2*x^2-1)$  lgdogf  
A127989 16.2132  $-(7-3*x+3*x^3-9*x^2)/(x-1)/(3*x^3-9*x^2+5*x-3)$  lgdogf  
A127989 4.10939  $[ \{(27*n^2+171*n+234)*a(n+1)+(-46*n^2-224*n-222)*a(n+2)+(19*n^2+77*n+60)*a(n+3), a(0) = 9, a(1) = 21, a(2) = 57\}, \text{ogf}]$   
A127989 9.83133  $[ -3*(3*x^3-9*x^2+5*x-3)/(x-1)^4$  ogf]  
A128012 14.8245  $[ -3/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A128012 18.8369  $-(2*x+1)*(3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A128012 29.0103  $[ [x^2+x+1]$  ogf\_with\_Euler\_transform]  
A128013 13.6764  $-25*(1+5*x+10*x^2)/(5*x-1)/(25*x^2+5*x+1)$  lgdogf  
A128013 3.16184  $[ \{(-n-4)*a(n+4)+25*a(n+3)+125*a(n+2)+(375+125*n)*a(n+1), a(0) = 10, a(1) = 250, a(2) = 3750, a(3) = 42500\}, \text{ogf}]$   
A128013 7.15366  $[ 10*(25*x^2+5*x+1)/(5*x-1)^4$  ogf]  
A128014 21.9544  $-(4*x+1)/(2*x+1)/(-1+2*x)/(x+1)$  lgdogf  
A128014 4.13508  $[ \{(-n-3)*a(n+3)+(-1-n)*a(n+2)+(8+4*n)*a(n+1)+4*n*a(n), a(0) = 1, a(1) = 1, a(2) = 2\}, \text{ogf}]$   
A128016 12.1512  $-(1-4*x+x^6+2*x^5+4*x^3+4*x^4-4*x^2)/(x+1)/(1+x^2)/(x^4-x^2+1)$  lgdogf  
A128016 14.9194  $[ x^{11}-x^5-2*x^3+x+1$  ogf\_with\_Euler\_transform]  
A128016 9.67185  $[ (x+1)*(x^2+1)/(x^4-x^2+1)$  ogf]  
A128017 12.1693  $-(2+4*x+x^6-2*x^5-4*x^3-x^2-5*x^4)/(x^3-x^2-2*x-1)/(x^4-x^2+1)$  lgdogf  
A128017 9.50906  $[ -(x^3-x^2-2*x-1)/(x^4-x^2+1)$  ogf]

A128018 12.8706 [  $-(4*x-1)/(4*x^2-2*x+1)$  ogf]  
A128018 15.0297  $-1/8*(-1-2*x+(1-12*x-12*x^2)^{(1/2)})/(1+x)$  revogf  
A128018 15.4054  $-2*(-1-4*x+8*x^2)/(-1+4*x)/(4*x^2-2*x+1)$  lgdogf  
A128018 7.06312 [  $\{-a(n+2)+2*a(n+1)-4*a(n), a(0) = 1, a(1) = -2\}$ , ogf]  
A128019 14.5392 [  $-(3*x-1)/(3*x^2+1)$  ogf]  
A128019 17.2350  $-1/6*(-1+(1-12*x-12*x^2)^{(1/2)})/(1+x)$  revogf  
A128019 9.31417 [  $\{-a(n+2)-3*a(n), a(0) = 1, a(1) = -3\}$ , ogf]  
A128043 12.9222  $-6*(5+30*x+72*x^2)/(6*x-1)/(36*x^2+6*x+1)$  lgdogf  
A128043 2.98974 [  $\{(-n-4)*a(n+4)+30*a(n+3)+180*a(n+2)+(648+216*n)*a(n+1), a(0) = 12, a(1) = 360, a(2) = 6480, a(3) = 88128\}$ , ogf]  
A128043 6.68078 [  $12*(36*x^2+6*x+1)/(6*x-1)^4$  ogf]  
A128048 12.4106  $-8*(5+40*x+128*x^2)/(8*x-1)/(64*x^2+8*x+1)$  lgdogf  
A128048 2.89314 [  $\{(-n-4)*a(n+4)+40*a(n+3)+320*a(n+2)+(1536+512*n)*a(n+1), a(0) = 16, a(1) = 640, a(2) = 15360, a(3) = 278528\}$ , ogf]  
A128048 6.33735 [  $16*(64*x^2+8*x+1)/(8*x-1)^4$  ogf]  
A128051 12.2400  $-7*(5+35*x+98*x^2)/(7*x-1)/(49*x^2+7*x+1)$  lgdogf  
A128051 2.78766 [  $\{(-n-4)*a(n+4)+35*a(n+3)+245*a(n+2)+(1029+343*n)*a(n+1), a(0) = 14, a(1) = 490, a(2) = 10290, a(3) = 163268\}$ , ogf]  
A128051 6.25523 [  $14*(49*x^2+7*x+1)/(7*x-1)^4$  ogf]  
A128052 6.95327 [  $-(3*x^5+7*x^4+9*x^3-7*x^2-3*x-1)/(x^2-3*x+1)/(x^4+3*x^3+8*x^2+3*x+1)$  ogf]  
A128053 4.78502 [  $-(x-1)*(x^{10}-2*x^9-5*x^8+2*x^7+9*x^6+9*x^4+2*x^3-5*x^2-2*x+1)/(x^4+3*x^2+1)/(x^8-3*x^6+8*x^4-3*x^2+1)$  ogf]  
A128054 10.6598  $-(2+3*x^7+7*x^2-5*x^3+9*x^4-x^5+3*x^6)/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^3+x^2+1)$  lgdogf  
A128054 8.80199 [  $x^2*(x^3+x^2+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A128055 5.59957  $-(1+320*x^6-128*x^5+512*x^8-256*x^7+128*x^4+8*x^2)/(2*x-1)/(4*x^2-2*x+1)/(4*x^2+2*x+1)/(16*x^4-4*x^3+4*x^2-x+1)$  lgdogf  
A128055 6.61758 [  $-(16*x^4-4*x^3+4*x^2-x+1)/(2*x-1)/(4*x^2-2*x+1)/(4*x^2+2*x+1)$  ogf]  
A128056 6.72999  $-(-3-12*x+128*x^6-192*x^5-64*x^3+48*x^4+12*x^2)/(2*x-1)/(4*x^2-x+1)/(16*x^4+12*x^2+1)$  lgdogf  
A128056 8.15858 [  $-(2*x-1)*(4*x^2-x+1)/(16*x^4+12*x^2+1)$  ogf]  
A128057 26.2010  $-(-1+4*x)/(x+1)/(4*x^2+1)$  lgdogf  
A128057 3.65140 [  $\{(n+3)*a(n+3)+(n+1)*a(n+2)+(8+4*n)*a(n+1)+4*n*a(n), a(0) = 1, a(1) = 1, a(2) = -2\}$ , ogf]  
A128063 10.5583 [  $-(2*x-1)*(4*x^2+2*x+1)/(16*x^4-8*x^3+4*x^2-2*x+1)$  ogf]  
A128063 4.90739 [  $\{a(n+4)-2*a(n+3)+4*a(n+2)-8*a(n+1)+16*a(n), a(0) = 1, a(1) = 2, a(2) = 0, a(3) = -8\}$ , ogf]  
A128063 9.46612  $-2*(1-4*x+64*x^6-16*x^4-16*x^3)/(2*x-1)/(4*x^2+2*x+1)/(16*x^4-8*x^3+4*x^2-2*x+1)$  lgdogf  
A128074 11.0901  $-9*(5+45*x+162*x^2)/(9*x-1)/(81*x^2+9*x+1)$  lgdogf  
A128074 5.57668 [  $18*x*(81*x^2+9*x+1)/(9*x-1)^4$  ogf]  
A128091 4.33180 [  $\{(-5*n^2-30*n-45)*a(n+1)+(4*n^2-24)*a(n+2)+(n^2+6*n+9)*a(n+3), a(0) = 1, a(1) = 8, a(2) = 45\}$ , ogf]  
A128091 8.56516 [  $-(5*x^3+15*x^2+3*x+1)/(x-1)^5$  ogf]  
A128098 8.93940  $40+60*x+36*x^2+(-10+8*x+36*x^3+54*x^2)*f(x)+(x^2-2*x+12*x^3+9*x^4)*f(x)^2$  lgdogf  
A128102 6.75627 [  $x^2*(3*x^2-6*x+5)/(2*x^3-3*x^2-2*x+1)^2$  ogf]  
A128102 9.48253  $-2*(-7-27*x+12*x^4-39*x^3+57*x^2)/(3*x^2-6*x+5)/(2*x^3-3*x^2-2*x+1)$  lgdogf  
A128111 10.8171 [  $-(-x^6+x^5+2*x^4-2*x^2-x+1)/(-x^8-x^4-1)$  ogf\_with\_Euler\_transform]  
A128128 14.5160 [  $-(-3*x^4-2*x^2-3)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A128130 18.0112 [  $-(x-1)/(x^4+1)$  ogf]  
A128130 21.5170  $-(-1+3*x^4-4*x^3)/(-1+x)/(1+x^4)$  lgdogf  
A128130 25.4111 [  $x^7-x^3-1$  ogf\_with\_Euler\_transform]  
A128135 17.4322 [  $(2*x^2-x+1)/(2*x-1)^2$  ogf]  
A128135 32.4929  $-(2*x+3)/(2*x-1)/(2*x^2-x+1)$  lgdogf  
A128135 8.96996 [  $\{-a(n+3)+4*a(n+2)-4*a(n+1), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]

A128205 11.2758 [  $x*(16*x^2+2*x+1)/(4*x^2+2*x+1)/(2*x-1)^2$  ogf]  
A128205 4.55107 [  $\{(16*n+40)*a(n+1)+8*a(n+2)+4*a(n+3)+(-2*n-3)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 24\}$ , ogf]  
A128205 7.55501  $-4*(1+10*x+64*x^2+28*x^3+18*x^4)/(2*x-1)/(1+4*x^2+2*x)/(16*x^2+2*x+1)$  lgdogf  
A128209 13.7224 [  $-(3*x^2-1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A128209 16.3395  $-2*(1-2*x+3*x^4)/(-1+x)/(2*x-1)/(x+1)/(3*x^2-1)$  lgdogf  
A128209 6.98372 [  $\{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 1, a(1) = 2, a(2) = 2\}$ , ogf]  
A128213 15.8201  $-(1-x+2*x^4-2*x^3-3*x^2)/(-1+x)/(x^2-x+1)/(1+2*x^2)$  lgdogf  
A128213 4.89108 [  $\{a(n+4)-2*a(n+3)+3*a(n+2)-2*a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = -1\}$ , ogf]  
A128213 9.01991 [  $-(x-1)*(2*x^2+1)/(x^2-x+1)^2$  ogf]  
A128214 17.7786  $-6*x^2*(x+1)/(x^2+x+1)/(2*x+3*x^2+1)$  lgdogf  
A128214 9.20157 [  $(3*x^2+2*x+1)/(x^2+x+1)^2$  ogf]  
A128223 14.5784  $-(-3-11*x+2*x^4-5*x^3-7*x^2)/(x-1)/(x+1)/(x^3-2*x^2-2*x-1)$  lgdogf  
A128223 9.63561 [  $x*(x^3-2*x^2-2*x-1)/(x+1)^2/(x-1)^3$  ogf]  
A128230 10.9633  $-8+2*x^2+(8-4*x-3*x^2)*f(x)+(-2+2*x+x^2)*f(x)^2$  lgdegf  
A128231 12.1402  $-6-3*x^2+x^3+(12+3*x^2-2*x^3)*f(x)+(-6+x^3)*f(x)^2$  lgdegf  
A128231 3.26168 [  $\{(6*n+30)*a(n+5)-6*a(n+4)+(-5-n)*a(n+2)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = 1/3, a(4) = 5/24\}$ , egf]  
A128232 10.8857  $24*a(n+5)-a(n+1), a(0)=1, a(1)=0, a(2)=0, a(3)=1/6, a(4)=0$  lgdegf  
A128251 4.74759 [  $\{(n^3+16*n^2+86*n+156)*a(n+1)+(-n^3-8*n^2-22*n-20)*a(n+3), a(0) = 15, a(1) = 5, a(2) = 255\}$ , ogf]  
A128251 5.68986 [  $(x^8-20*x^6-5*x^5-170*x^4-14*x^3-180*x^2-5*x-15)/(x-1)^5/(x+1)^5$  ogf]  
A128251 5.84830 -  
 $(-5-510*x-25*x^6-123*x^4-2120*x^3-1140*x^5-87*x^2-72*x^7+2*x^9)/(x-1)/(x+1)/(x^8-20*x^6-5*x^5-170*x^4-14*x^3-180*x^2-5*x-15)$  lgdogf  
A128378 20.7638 [  $-24*x/(-x+1)$  ogf\_with\_Euler\_transform]  
A128379 15.8721 [  $-(-1-23*x)/(x-1)$  ogf\_with\_Euler\_transform]  
A128386 30.9181  $x*(1+x)/(1+2*x+4*x^2)$  revogf  
A128387 27.9971  $x*(1+x)/(1+2*x+6*x^2)$  revogf  
A128415 11.5450 [  $-(2*x-1)*(2*x+1)/(4*x^2+3*x+1)$  ogf]  
A128415 13.2447 [  $(3+16*x+12*x^2)/(2*x+1)/(2*x-1)/(4*x^2+3*x+1)$  lgdogf  
A128415 5.54614 [  $\{a(n+3)+3*a(n+2)+4*a(n+1), a(0) = 1, a(1) = -3, a(2) = 1\}$ , ogf]  
A128416 13.5908  $2*(2+7*x+8*x^2)/(2*x+1)/(2*x-1)/(3*x+1)/(x+1)$  lgdogf  
A128416 14.0578 [  $-(2*x-1)*(2*x+1)/(x+1)/(3*x+1)$  ogf]  
A128416 6.75325 [  $\{-a(n+3)-4*a(n+2)-3*a(n+1), a(0) = 1, a(1) = -4, a(2) = 9\}$ , ogf]  
A128419 8.93964  $-(12*x^2+31*x+10+(-8*x-1)*(-2+x)^2)^{(1/2)}/(x+3)/(x+1)/(8*x-1)$  lgdogf  
A128422 13.5873 [  $-2*x^3/(x^2+x+1)/(x-1)^3$  ogf]  
A128422 27.4927  $-(2+2*x+5*x^2)/(x-1)/(x^2+x+1)$  lgdogf  
A128422 33.0079 [  $[x^2+2]$  ogf\_with\_Euler\_transform]  
A128422 5.14798 [  $\{(n+3)*a(n+1)+2*a(n+2)+2*a(n+3)+(-n-1)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$ , ogf]  
A128424 7.07680  $(-3+6*x-14*x^6+14*x^5-9*x^2+14*x^3-13*x^4-4*x^8+6*x^7+2*x^9)/(x-1)/(x^3+x-1)/(x^6-x^5+2*x^4-x^3+2*x^2-x-1)$  lgdogf  
A128424 7.57421 [  $-(x^6-x^5+2*x^4-x^3+2*x^2-x-1)/(x-1)/(x^3+x-1)$  ogf]  
A128427 6.21160 [  $(x^34-x^33+x^11-3*x^9+x^8+x^7+2*x^6+x^5+2*x^4+x^3+x^2+x+5)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A128429 7.68452  $-(-1-x^6+2*x^4+2*x^3-14*x^5-2*x^7+4*x^8+2*x^9+2*x^10)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1)/(2*x^5+x^4+x^3-1)$  lgdogf  
A128429 9.76531 [  $(2*x^5+x^4+x^3-1)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1)$  ogf]  
A128439 6.79423 [  $(x^5+x^4+3*x^3-3*x-1)/(x-1)/(x+1)/(x^2+x-1)^2$  ogf]  
A128439 7.38850  $-(5+9*x+x^7-x^2-16*x^3-18*x^4+8*x^5+13*x^6+x^8)/(x-1)/(x+1)/(x^2+x-1)/(x^5+x^4+3*x^3-3*x-1)$  lgdogf  
A128445 13.0048 [  $-4*(10*x^2-13*x+5)/(x-1)^3$  ogf]  
A128445 20.9442  $-2*(1-3*x+5*x^2)/(-1+x)/(10*x^2-13*x+5)$  lgdogf

A128445 7.36556 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 20, a(1) = 8, a(2) = 4\}$ , ogf]  
A128464 11.5737  $-(17+41x+31x^2+25x^3+12x^4+x^5+65x^2)/(x-1)/(x^2+x+1)/(x^3+12x^2+6x+11)$  lgdogf  
A128464 11.7984 [ $(x^3+12x^2+6x+11)/(x^2+x+1)/(x-1)^2$  ogf]  
A128464 4.81429 [ $\{(-10n-39)a(n+1)-10a(n+2)-10a(n+3)+(10n+29)a(n+4), a(0) = 11, a(1) = 17, a(2) = 29, a(3) = 41\}$ , ogf]  
A128467 17.5546 [ $(19x+11)/(x-1)^2$  ogf]  
A128467 20.2375  $-1/2*(-11-2x+(121+120x)^{1/2})/(-19+x)$  revogf  
A128467 31.1346  $-(41+19x)/(19x+11)/(x-1)$  lgdogf  
A128467 9.82221 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 11, a(1) = 41\}$ , ogf]  
A128468 17.5546 [ $(13x+17)/(x-1)^2$  ogf]  
A128468 20.2375  $-1/2*(-17-2x+(289+120x)^{1/2})/(-13+x)$  revogf  
A128468 31.1346  $-(47+13x)/(13x+17)/(x-1)$  lgdogf  
A128468 9.82221 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 17, a(1) = 47\}$ , ogf]  
A128469 17.9362 [ $(x+29)/(x-1)^2$  ogf]  
A128469 21.3026  $-1/2*(-29-2x+(841+120x)^{1/2})/(x-1)$  revogf  
A128469 40.4749  $-(59+x)/(x+29)/(x-1)$  lgdogf  
A128469 9.82221 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 29, a(1) = 59\}$ , ogf]  
A128470 10.0864 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 31\}$ , ogf]  
A128470 18.1994 [ $(29x+1)/(x-1)^2$  ogf]  
A128470 22.2034  $-1/2*(-1-2x+(1+120x)^{1/2})/(-29+x)$  revogf  
A128470 32.8610  $-(31+29x)/(29x+1)/(x-1)$  lgdogf  
A128471 10.0864 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 7, a(1) = 37\}$ , ogf]  
A128471 18.1994 [ $(23x+7)/(x-1)^2$  ogf]  
A128471 21.6191  $-1/2*(-7-2x+(49+120x)^{1/2})/(-23+x)$  revogf  
A128471 32.8610  $-(37+23x)/(23x+7)/(x-1)$  lgdogf  
A128473 17.9362 [ $(7x+23)/(x-1)^2$  ogf]  
A128473 20.7564  $-1/2*(-23-2x+(529+120x)^{1/2})/(-7+x)$  revogf  
A128473 33.7291  $-(53+7x)/(7x+23)/(x-1)$  lgdogf  
A128473 9.82221 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 23, a(1) = 53\}$ , ogf]  
A128496 7.45875 [ $(x^3-3x^2-x+1)/(x^2-3x+1)/(x+1)^2/(x-1)^2$  ogf]  
A128496 8.50243  $-(2-4x+3x^6-18x^5-5x^2+6x^3+24x^4)/(x-1)/(x+1)/(x^2-3x+1)/(x^3-3x^2-x+1)$  lgdogf  
A128498 12.7646  $-7+56x-63x^2+(-26+257x-7x^3-290x^2)*f(x)+(33-33x+33x^2-33x^3)*f(x)^2$  lgdogf  
A128498 29.9859 [ $[4x^3-4x+1]$  ogf\_with\_Euler\_transform]  
A128498 4.41162 [ $\{(n+4)a(n+4)+(-4-n)a(n+3)+(10+n)a(n+2)+(-10-n)a(n+1), a(0) = 1, a(1) = 1, a(2) = -3, a(3) = -3\}$ , ogf]  
A128498 9.81462 [ $-1/(x-1)/(x^2+1)^4$  ogf]  
A128499 12.1988  $-59+590x-649x^2+(8+451x-59x^3-502x^2)*f(x)+(51x^2+51-51x-51x^3)*f(x)^2$  lgdogf  
A128499 29.8123 [ $[5x^3-5x+1]$  ogf\_with\_Euler\_transform]  
A128499 4.38856 [ $\{(n+4)a(n+4)+(-4-n)a(n+3)+(12+n)a(n+2)+(-12-n)a(n+1), a(0) = 1, a(1) = 1, a(2) = -4, a(3) = -4\}$ , ogf]  
A128499 8.12088 [ $-1/(x-1)/(x^2+1)^5$  ogf]  
A128504 10.5064 [ $1/(x^2-x+1)^3$  ogf]  
A128504 19.3230 [ $3x^5-3x^2-3x+3$  ogf\_with\_Euler\_transform]  
A128504 35.9762  $-3*(2x-1)/(x^2-x+1)$  lgdogf  
A128504 4.27259 [ $\{(-n-3)a(n+3)+(5+n)a(n+2)+(-7-n)a(n+1), a(0) = 1, a(1) = 3, a(2) = 3\}$ , ogf]  
A128508 11.0594  $-(1-7x-x^5+7x^6-20x^3-13x^4-13x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^3-x^2-x-1)$  lgdogf  
A128508 6.85616 [ $-x^5*(x^3-x^2-x-1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A128518 14.0874 [ $-(-2x^{14}+2x^{12}-2)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A128533 12.8194 [ $-x*(x-4)/(x+1)/(x^2-3x+1)$  ogf]  
A128533 15.3320  $-(7+16x+2x^3-14x^2)/(-4+x)/(x+1)/(x^2-3x+1)$  lgdogf  
A128533 6.58292 [ $\{-a(n+3)+2a(n+2)+2a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 7\}$ , ogf]  
A128534 14.6534 [ $-x*(3x-2)/(x+1)/(x^2-3x+1)$  ogf]

A128534 6.99592  $-(1+8*x+6*x^3-12*x^2)/(3*x-2)/(x+1)/(x^2-3*x+1)$  lgdogf  
A128534 7.52471  $[{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 2, a(2) = 1}],$  ogf]  
A128535 13.3142  $[x*(4*x-1)/(x+1)/(x^2-3*x+1)$  ogf]  
A128535 15.6676  $-(-2+4*x+8*x^3-11*x^2)/(4*x-1)/(x+1)/(x^2-3*x+1)$  lgdogf  
A128535 6.83705  $[{-a(n+3)+2*a(n+2)+2*a(n+1)-a(n), a(0) = 0, a(1) = -1, a(2) = 2}],$  ogf]  
A128543 12.1342  $[-(2*x^2-2*x-1)/(2*x-1)^2$  ogf]  
A128543 27.3820  $6/(2*x-1)/(2*x^2-2*x-1)$  lgdogf  
A128543 6.24383  $[{-a(n+3)+4*a(n+2)-4*a(n+1), a(0) = 1, a(1) = 6, a(2) = 18}],$  ogf]  
A128580 4.20818  $[{-(-2*x^23-x^22-2*x^21-x^18-x^17-x^16-x^15-2*x^13-x^12-2*x^11-x^10-2*x^9-x^7-x^6-x^5-x^4-2*x-1)/(x^24-1)}$  ogf\_with\_Euler\_transform]  
A128587 12.9448  $[-(3*x^2+3*x+1)/(x+1)/(x^2-x-1)$  ogf]  
A128587 13.0896  $-(-1+6*x+3*x^4+6*x^3+9*x^2)/(x+1)/(3*x^2+3*x+1)/(x^2-x-1)$  lgdogf  
A128587 7.29867  $[{-a(n+3)-2*a(n+2)+a(n), a(0) = 1, a(1) = 1, a(2) = 1}],$  ogf]  
A128588 14.6876  $[-(x^2+x+1)/(x^2+x-1)$  ogf]  
A128588 15.9856  $-2*(2*x+1)/(x^2+x+1)/(x^2+x-1)$  lgdogf  
A128588 7.63180  $[{a(n+3)-a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 4}],$  ogf]  
A128591 4.40003  $[-(2*x^10+2*x^8+x^7+2*x^6+2*x^4+x^2+2)/(-x^11-x^10-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A128614 21.9574  $-2*(1+6*x)/(x+1)/(3*x-1)$  lgdegf  
A128614 3.71859  $[{(-3*n^2-21*n-36)*a(n+1)+(-2*n-6)*a(n+2)+a(n+3), a(0) = 0, a(1) = 6, a(2) = 24}],$  ogf]  
A128615 18.9996  $[2*x^2-1]$  ogf\_with\_Euler\_transform]  
A128615 20.4848  $-(-1-x+5*x^2)/(-1+x)/(x^2+x+1)$  lgdogf  
A128615 8.36982  $[-x/(x-1)/(x^2+x+1)^2$  ogf]  
A128616 5.11589  $[{-(-2*x^6+2*x^5-2*x^4+x^3-x^2)/(x^7-x^6+x^5+x^2-x+1)}$  ogf\_with\_Euler\_transform]  
A128617 3.39238  $[-(2*x^14-x^13+x^12-x^11+x^10-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)/(-x^15-1)$  ogf\_with\_Euler\_transform]  
A128620 8.65682  $[-(x^3-x^2+1)/(x^2-x-1)/(x^2+x-1)^2$  ogf]  
A128624 9.71818  $[ (3*x^2+2*x+1)/(x+1)^2/(x-1)^4$  ogf]  
A128625 10.4611  $[{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 8}],$  ogf]  
A128625 20.3567  $[-(3*x+1)/(5*x-1)$  ogf]  
A128625 20.5690  $-5/6*x-1/6+1/6*(25*x^2+22*x+1)^(1/2)$  revogf  
A128625 41.1381  $-8/(3*x+1)/(5*x-1)$  lgdogf  
A128632 12.1428  $[-(5*x^4+4*x^3+6*x^2+4*x+5)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A128633 17.9191  $[-(4*x-4)/(x^3+1)$  ogf\_with\_Euler\_transform]  
A128634 4.53029  $[{(-4*n^2-22*n-30)*a(n+1)+(5*n^2+29*n+40)*a(n+2)+(-n^2-7*n-10)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 8}],$  ogf]  
A128637 12.7624  $[-(8*x^4-4*x^3-4*x-8)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A128640 18.0369  $[-(4*x-4)/(-x^3-1)$  ogf\_with\_Euler\_transform]  
A128650 5.22671  $[{(-4*n^2-14*n-12)*a(n+1)+(n^2+4*n+3)*a(n+2), a(0) = 0, a(1) = 4}],$  ogf]  
A128650 9.58304  $1/8*((x^2+24*x+16)^(1/2)*x+4*(x^2+24*x+16)^(1/2)-16-16*x+x^2)/x^2$  revogf  
A128675 2.74452  $[-222*(3*x+2)*(2*x^2+1)/(37*x^4-1)$  ogf]  
A128692 12.9615  $[-(16*x^2+8*x-16)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A128696 5.27837  $[-x*(x^6-20*x^5-166*x^4+318*x^3+166*x^2-20*x-1)/(x-1)/(x^2+x-1)/(x^2-29*x-1)/(x^2+11*x-1)/(x^2-4*x-1)$  ogf]  
A128697 5.11046  $[x*(x+1)*(x^6-34*x^5-458*x^4+2242*x^3-458*x^2-34*x+1)/(x^2+3*x+1)/(x^2-7*x+1)/(x^2+18*x+1)/(x^2-47*x+1)/(x-1)^2$  ogf]  
A128698 5.73910  $[-x*(x^6+34*x^5-458*x^4-2242*x^3-458*x^2+34*x+1)/(x+1)/(x^2+47*x+1)/(x^2-18*x+1)/(x^2+7*x+1)/(x^2-3*x+1)$  ogf]  
A128711 6.53982  $[{-(-6*x^7+2*x^6-3*x^5+2*x^4-8*x^3+2*x^2-3*x+2)/(x^8-1)}$  ogf\_with\_Euler\_transform]  
A128712 14.5005  $[-(6*x^3+5*x^2+8*x+5)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A128713 14.2871  $[-(6*x^3-7*x^2-4*x-7)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A128714 3.76798  $[{5*a(n)*n+(-16*n-14)*a(n+1)+(13*n+32)*a(n+2)+(-2*n-8)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1}],$  ogf]

A128714 8.80721  $-(3*(x-1)^{(1/2)}+2*(5*x-1)^{(1/2)}*x-3*(5*x-1)^{(1/2)})/(x-2)/x/(5*x-1)^{(1/2)}$  lgdogf  
A128720 14.5603  $1/2/x*(-1-x-x^2+(1+2*x+7*x^2+2*x^3+x^4)^{(1/2)})$  revogf  
A128725 19.2157  $-1/2*(-1+(1+4*x^2)^{(1/2)})/x*(x-1)$  revogf  
A128743 3.36449  $[{-5*n^3-10*n^2-5*n}*a(n)+(6*n^3+15*n^2+7*n-2)*a(n+1)+(-n^3-3*n^2)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 2}$ , ogf]  
A128746 12.4793  $1/2/(x^2-11*x-1)*(-2-11*x+((1+8*x)*(2+x)^2)^{(1/2)})$  revogf  
A128746 3.53613  $[{-5*n^2-30*n-40}*a(n+1)+(6*n^2+45*n+86)*a(n+2)+(-n^2-9*n-18)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 22}$ , ogf]  
A128746 6.56803  $-(-3+(x-1)^{(1/2)}*(5*x-1)^{(1/2)}*x-3*(x-1)^{(1/2)}*(5*x-1)^{(1/2)})/x/(x-2)/(x-1)^{(1/2)}/(5*x-1)^{(1/2)}$  lgdogf  
A128750 13.0324  $1/2/(x-1)*(-x^2-1+(x^4+10*x^2+1-4*x^3-4*x)^{(1/2)})$  revogf  
A128752 3.69541  $[{-15*n^2-25*n+40}*a(n)+(18*n^2+54*n+36)*a(n+1)+(-3*n^2-11*n-10)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 2}$ , ogf]  
A128758 17.6668  $[{-(-4*x-4)/(-x^3+1)}$  ogf\_with\_Euler\_transform]  
A128765 7.15431  $[-(x^13-2*x^12+x^11-x^8-x^7+x^6+x^5-x^2+2*x-1)/(x^15+x^10+x^5+1)$  ogf\_with\_Euler\_transform]  
A128766 3.93205  $[-(x+1)*(x^6+12*x^5+93*x^4+208*x^3+93*x^2+12*x+1)/(x-1)^9$  ogf]  
A128766 5.74800  $-2*(11+157*x+23*x^6+1015*x^4+1505*x^3+249*x^5+819*x^2+x^7)/(x-1)/(x+1)/(x^6+12*x^5+93*x^4+208*x^3+93*x^2+12*x+1)$  lgdogf  
A128770 3.95863  $[ (7*x^21+5*x^18+2*x^15+3*x^12+5*x^9+2*x^6-x^3-2)/(7*x^21-4*x^19+5*x^18-14*x^16+2*x^15+3*x^12+2*x^10+5*x^9-6*x^7+2*x^6-2*x^4-x^3+4*x-2)$  ogf]  
A128771 4.16442  $[-(2*x^16+x^15+2*x^14+x^13+2*x^12+x^11+2*x^10+x^9+x^7+2*x^6+x^5+2*x^4+x^3+2*x^2+x+2)/(-x^18+1)$  ogf\_with\_Euler\_transform]  
A128782 21.0942  $-16*(2*x+1)/(-1+4*x)/(4*x+1)$  lgdogf  
A128782 5.21539  $[{a(n+3)-12*a(n+2)+48*a(n+1)-64*a(n), a(0) = 0, a(1) = 4, a(2) = 64}$ , ogf]  
A128782 9.83230  $[ -4*x*(4*x+1)/(4*x-1)^3$  ogf]  
A128784 21.8577  $-10*(2+5*x)/(5*x-1)/(5*x+1)$  lgdogf  
A128784 5.12091  $[{a(n+3)-15*a(n+2)+75*a(n+1)-125*a(n), a(0) = 0, a(1) = 5, a(2) = 100}$ , ogf]  
A128784 9.66365  $[ -5*x*(5*x+1)/(5*x-1)^3$  ogf]  
A128785 21.1563  $-24*(3*x+1)/(6*x-1)/(6*x+1)$  lgdogf  
A128785 4.91572  $[{a(n+3)-18*a(n+2)+108*a(n+1)-216*a(n), a(0) = 0, a(1) = 6, a(2) = 144}$ , ogf]  
A128785 9.20722  $[ -6*x*(6*x+1)/(6*x-1)^3$  ogf]  
A128786 22.2469  $-14*(7*x+2)/(7*x-1)/(7*x+1)$  lgdogf  
A128786 5.16525  $[{a(n+3)-21*a(n+2)+147*a(n+1)-343*a(n), a(0) = 0, a(1) = 7, a(2) = 196}$ , ogf]  
A128786 9.67459  $[ -7*x*(7*x+1)/(7*x-1)^3$  ogf]  
A128787 19.8197  $-32*(4*x+1)/(-1+8*x)/(8*x+1)$  lgdogf  
A128787 4.77646  $[{a(n+3)-24*a(n+2)+192*a(n+1)-512*a(n), a(0) = 0, a(1) = 8, a(2) = 256}$ , ogf]  
A128787 8.94638  $[ -8*x*(8*x+1)/(8*x-1)^3$  ogf]  
A128788 18.9930  $-18*(2+9*x)/(9*x-1)/(9*x+1)$  lgdogf  
A128788 4.41789  $[{a(n+3)-27*a(n+2)+243*a(n+1)-729*a(n), a(0) = 0, a(1) = 9, a(2) = 324}$ , ogf]  
A128788 8.27478  $[ -9*x*(9*x+1)/(9*x-1)^3$  ogf]  
A128789 16.5896  $-8*(2+7*x+2*x^2)/(-1+2*x)/(4*x^2+8*x+1)$  lgdogf  
A128789 3.26693  $[{(n+3)*a(n+4)+(-4+6*n)*a(n+3)+(-68-12*n)*a(n+2)+(-16-8*n)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 32, a(3) = 216}$ , ogf]  
A128789 8.52795  $[ 2*x*(4*x^2+8*x+1)/(2*x-1)^4$  ogf]  
A128790 14.3211  $-32*(1+7*x+4*x^2)/(4*x-1)/(16*x^2+16*x+1)$  lgdogf  
A128790 7.35988  $[ 4*x*(16*x^2+16*x+1)/(4*x-1)^4$  ogf]  
A128791 13.3527  $-10*(4+35*x+25*x^2)/(5*x-1)/(25*x^2+20*x+1)$  lgdogf  
A128791 6.94046  $[ 5*x*(25*x^2+20*x+1)/(5*x-1)^4$  ogf]  
A128792 12.5697  $-24*(2+21*x+18*x^2)/(6*x-1)/(36*x^2+24*x+1)$  lgdogf  
A128792 6.46082  $[ 6*x*(36*x^2+24*x+1)/(6*x-1)^4$  ogf]  
A128793 11.9258  $-14*(4+49*x+49*x^2)/(7*x-1)/(49*x^2+28*x+1)$  lgdogf



A128793 6.06176 [  $7x^*(49x^2+28x+1)/(7x-1)^4$  ogf]  
A128794 12.4529  $-64*(1+14x+16x^2)/(8x-1)/(64x^2+32x+1)$  lgdogf  
A128794 6.32530 [  $8x^*(64x^2+32x+1)/(8x-1)^4$  ogf]  
A128795 11.1548  $-18*(4+63x+81x^2)/(9x-1)/(81x^2+36x+1)$  lgdogf  
A128795 5.67414 [  $9x^*(81x^2+36x+1)/(9x-1)^4$  ogf]  
A128796 14.1864 [  $-8x^2/(2x-1)^3$  ogf]  
A128796 5.87906 [  $\{a(n+3)-6a(n+2)+12a(n+1)-8a(n), a(0) = 0, a(1) = 0, a(2) = 8\}$ , ogf]  
A128796 64.5985  $-6/(2x-1)$  lgdogf  
A128797 12.9339 [  $-18x^2/(3x-1)^3$  ogf]  
A128797 5.49404 [  $\{a(n+3)-9a(n+2)+27a(n+1)-27a(n), a(0) = 0, a(1) = 0, a(2) = 18\}$ , ogf]  
A128797 55.8687  $-9/(-1+3x)$  lgdogf  
A128798 12.1159 [  $-32x^2/(4x-1)^3$  ogf]  
A128798 48.9660  $-12/(-1+4x)$  lgdogf  
A128798 5.20773 [  $\{a(n+3)-12a(n+2)+48a(n+1)-64a(n), a(0) = 0, a(1) = 0, a(2) = 32\}$ , ogf]  
A128799 11.7433 [  $-50x^2/(5x-1)^3$  ogf]  
A128799 5.10577 [  $\{a(n+3)-15a(n+2)+75a(n+1)-125a(n), a(0) = 0, a(1) = 0, a(2) = 50\}$ , ogf]  
A128799 52.8338  $-15/(5x-1)$  lgdogf  
A128800 11.1427 [  $-72x^2/(6x-1)^3$  ogf]  
A128800 4.89894 [  $\{a(n+3)-18a(n+2)+108a(n+1)-216a(n), a(0) = 0, a(1) = 0, a(2) = 72\}$ , ogf]  
A128800 51.1262  $-18/(6x-1)$  lgdogf  
A128801 11.5048 [  $-98x/(7x-1)^3$  ogf]  
A128801 4.88954 [  $\{a(n+3)-21a(n+2)+147a(n+1)-343a(n), a(0) = 0, a(1) = 98, a(2) = 2058\}$ , ogf]  
A128801 52.5522  $-21/(7x-1)$  lgdogf  
A128802 10.5054 [  $-128x^2/(8x-1)^3$  ogf]  
A128802 4.66906 [  $\{a(n+3)-24a(n+2)+192a(n+1)-512a(n), a(0) = 0, a(1) = 0, a(2) = 128\}$ , ogf]  
A128802 45.0416  $-24/(-1+8x)$  lgdogf  
A128803 4.40721 [  $\{a(n+3)-27a(n+2)+243a(n+1)-729a(n), a(0) = 0, a(1) = 0, a(2) = 162\}$ , ogf]  
A128803 42.4981  $-27/(-1+9x)$  lgdogf  
A128803 9.91623 [  $-162x^2/(9x-1)^3$  ogf]  
A128805 5.67176 [  $(x^{16}-x^{13}+x^{12}-x^9+x^8+x^4-x+1)/(x^{16}-2x^{13}+x^{12}-2x^9+x^8+x^4-2x+1)$  ogf]  
A128814 5.63691 [  $\{(n^2+5n+8)*a(n+1)-2a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A128822 15.4065  $-(47+177x+x^3+63x^2)/(x-1)/(x^3+30x^2+39x+2)$  lgdogf  
A128822 3.57220 [  $\{(-2917n^2-13643n-15618)*a(n+1)+(9842n^2+62208n+130074)*a(n+2)+(-6925n^2-36541n-47298)*a(n+3), a(0) = 2, a(1) = 47, a(2) = 206\}$ , ogf]  
A128822 9.54094 [  $(x^3+30x^2+39x+2)/(x-1)^4$  ogf]  
A128831 6.23344  $-(-27+124x+1344x^4-2624x^3+1024x^5+600x^2)/(x-1)/(8x-1)/(-1+2x)/(-1+4x)/(8x^2+12x+1)$  lgdogf  
A128831 7.96961 [  $(8x^2+12x+1)/(x-1)/(8x-1)/(2x-1)/(4x-1)$  ogf]  
A128832 5.18832 [  $-(4x+1)*(16x^2+46x+1)/(x-1)/(4x-1)/(2x-1)/(8x-1)/(16x-1)$  ogf]  
A128833 4.20568 [  $(1024x^4+5760x^3+2800x^2+180x+1)/(x-1)/(4x-1)/(2x-1)/(8x-1)/(16x-1)/(32x-1)$  ogf]  
A128834 10.2272 [  $\{a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A128834 25.0515 [  $x^5-x^2-x+1$  ogf\_with\_Euler\_transform]  
A128834 25.1032 [  $x/(x^2-x+1)$  ogf]  
A128834 62.8285  $-(2x-1)/(x^2-x+1)$  lgdogf  
A128835 8.85831 [  $(2x^6+2x^5+x^4+5x^3+16x^2+5x+11)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A128862 3.12108 [  $-(x^2-5x+1)/(x-1)/(x^2-14x+1)$  ogf]  
A128865 6.57800  $-(-27+124x+1344x^4-2624x^3+1024x^5+600x^2)/(x-1)/(8x-1)/(-1+2x)/(-1+4x)/(8x^2+12x+1)$  lgdogf  
A128865 8.29092 [  $4*(8x^2+12x+1)/(x-1)/(8x-1)/(2x-1)/(4x-1)$  ogf]

A128866 4.63493 [  $-5*(4*x+1)*(16*x^2+46*x+1)/(x-1)/(4*x-1)/(2*x-1)/(8*x-1)/(16*x-1)$  ogf]  
A128880 8.03100 [  $-(x^4+54*x^3+34*x^2+54*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A128880 9.69513 [  $-(55+127*x+x^5+160*x^3+109*x^4+412*x^2)/(x-1)/(x+1)/(x^4+54*x^3+34*x^2+54*x+1)$  lgdogf]  
A128917 10.4839 [  $-(x^2-12*x+1)/(x-1)/(x^2-62*x+1)$  ogf]  
A128917 5.68616 [  $\{-a(n+3)+63*a(n+2)-63*a(n+1)+a(n), a(0) = 1, a(1) = 51, a(2) = 3151\}$ , ogf]  
A128917 7.78948 [  $-(51-124*x-24*x^3+x^4+696*x^2)/(x-1)/(x^2-62*x+1)/(x^2-12*x+1)$  lgdogf]  
A128918 10.8337 [  $-(4*x^3-x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A128918 16.8907 [  $-(1+3*x+8*x^4+x^3+11*x^2)/(x-1)/(x+1)/(4*x^3-x^2+1)$  lgdogf]  
A128919 2.73203 [  $\{a(n+3)-143*a(n+2)+143*a(n+1)-a(n), a(0) = 1, a(1) = 148, a(2) = 21022\}$ , ogf]  
A128919 5.12782 [  $-(x^2+5*x+1)/(x-1)/(x^2-142*x+1)$  ogf]  
A128922 3.11922 [  $\{a(n+3)-323*a(n+2)+323*a(n+1)-a(n), a(0) = 1, a(1) = 451, a(2) = 145351\}$ , ogf]  
A128922 5.72633 [  $-(x^2+128*x+1)/(x-1)/(x^2-322*x+1)$  ogf]  
A128929 13.6425 [  $-(-1-3*x-2*x^5-2*x^3-2*x^2+x^6+x^7)/(x-1)/(x+1)/(x^2+1)/(x^4-x^2-1)$  lgdogf]  
A128929 14.3327 [  $-(x^4-x^2-1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A128939 10.3856 [  $-(x+1)*(3*x^5-3*x^4+3*x^3+x^2+1)/(2*x^2-1)/(2*x^2+1)$  ogf]  
A128939 6.47362 [  $(-1-2*x+24*x^9-16*x^6-26*x^5-16*x^3-12*x^4-12*x^2)/(x+1)/(2*x^2-1)/(2*x^2+1)/(3*x^5-3*x^4+3*x^3+x^2+1)$  lgdogf]  
A128950 5.54959 [  $-(90*x^6-5*x^5+9*x^4+2*x^3+4*x^2+x-83)/(x-1)/(10*x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A128951 4.64060 [  $-(80*x^5+76*x^4+84*x^3+78*x^2+79*x+78)/(10*x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A128952 4.44884 [  $-(70*x^5-69*x^4+76*x^3-71*x^2+69*x-66)/(10*x-1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A128954 5.43747 [  $-(50*x^4-x^3+52*x^2-5*x+50)/(10*x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A128956 5.43747 [  $-(100*x^6+2*x^5+13*x^4+2*x^3+3*x^2+3*x-87)/(x-1)/(10*x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A128957 4.64060 [  $-(90*x^5+81*x^4+89*x^3+84*x^2+83*x+86)/(10*x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A128959 5.62121 [  $-(90*x^5-89*x^4+95*x^3-88*x^2+92*x-82)/(10*x-1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A128960 11.2068 [  $24*x/(2*x-1)^4$  ogf]  
A128960 57.2049 [  $-8/(-1+2*x)$  lgdogf]  
A128960 6.14219 [  $\{(n+1)*a(n+2)+(-8-2*n)*a(n+1), a(0) = 0, a(1) = 24\}$ , ogf]  
A128961 10.3720 [  $54*x/(3*x-1)^4$  ogf]  
A128961 5.82809 [  $\{(n+1)*a(n+2)+(-12-3*n)*a(n+1), a(0) = 0, a(1) = 54\}$ , ogf]  
A128961 54.8014 [  $-12/(3*x-1)$  lgdogf]  
A128962 47.3564 [  $-16/(-1+4*x)$  lgdogf]  
A128962 5.49629 [  $\{(n+1)*a(n+2)+(-16-4*n)*a(n+1), a(0) = 0, a(1) = 96\}$ , ogf]  
A128962 9.61850 [  $96*x/(4*x-1)^4$  ogf]  
A128963 5.34446 [  $\{(n+1)*a(n+2)+(-20-5*n)*a(n+1), a(0) = 0, a(1) = 150\}$ , ogf]  
A128963 50.7129 [  $-20/(5*x-1)$  lgdogf]  
A128963 9.13731 [  $150*x/(5*x-1)^4$  ogf]  
A128964 4.99821 [  $\{(n+1)*a(n+2)+(-24-6*n)*a(n+1), a(0) = 0, a(1) = 216\}$ , ogf]  
A128964 8.40968 [  $216*x/(6*x-1)^4$  ogf]  
A128965 4.76048 [  $\{(n+1)*a(n+2)+(-28-7*n)*a(n+1), a(0) = 0, a(1) = 294\}$ , ogf]  
A128965 41.3578 [  $-28/(-1+7*x)$  lgdogf]  
A128965 7.88455 [  $294*x/(7*x-1)^4$  ogf]  
A128967 4.96974 [  $\{(n+1)*a(n+2)+(-32-8*n)*a(n+1), a(0) = 0, a(1) = 384\}$ , ogf]  
A128967 43.2062 [  $-32/(-1+8*x)$  lgdogf]  
A128967 8.23112 [  $384*x/(8*x-1)^4$  ogf]  
A128969 38.5897 [  $-36/(-1+9*x)$  lgdogf]  
A128969 4.44529 [  $\{(n+1)*a(n+2)+(-36-9*n)*a(n+1), a(0) = 0, a(1) = 486\}$ , ogf]  
A128969 7.36252 [  $486*x/(9*x-1)^4$  ogf]  
A128985 25.9541 [  $-3*(3+2*x)/(x+1)/(2*x-1)$  lgdogf]

A128985 4.13354 [ $\{(n+2)*a(n+3)+(-10-n)*a(n+2)+(-6-2*n)*a(n+1), a(0) = 0, a(1) = 16, a(2) = 144\}$ ], ogf]  
A128985 9.03474 [  $16*x*(x+1)/(2*x-1)^4$  ogf]  
A128986 24.1126  $-27*(x+1)/(3*x+2)/(3*x-1)$  lgdogf  
A128986 3.97369 [ $\{(4+2*n)*a(n+3)+(-30-3*n)*a(n+2)+(-27-9*n)*a(n+1), a(0) = 0, a(1) = 36, a(2) = 486\}$ ], ogf]  
A128986 8.49929 [  $18*x*(3*x+2)/(3*x-1)^4$  ogf]  
A128987 20.9382  $-6*(4*x+3)/(2*x+1)/(-1+4*x)$  lgdogf  
A128987 3.70430 [ $\{(n+2)*a(n+3)+(-20-2*n)*a(n+2)+(-24-8*n)*a(n+1), a(0) = 0, a(1) = 64, a(2) = 1152\}$ ], ogf]  
A128987 7.75900 [  $64*x*(2*x+1)/(4*x-1)^4$  ogf]  
A128988 20.5537  $-15*(3+5*x)/(5*x+2)/(5*x-1)$  lgdogf  
A128988 3.58995 [ $\{(4+2*n)*a(n+3)+(-50-5*n)*a(n+2)+(-75-25*n)*a(n+1), a(0) = 0, a(1) = 100, a(2) = 2250\}$ ], ogf]  
A128988 7.41608 [  $50*x*(5*x+2)/(5*x-1)^4$  ogf]  
A128989 3.37459 [ $\{(n+2)*a(n+3)+(-30-3*n)*a(n+2)+(-54-18*n)*a(n+1), a(0) = 0, a(1) = 144, a(2) = 3888\}$ ], ogf]  
A128989 6.88065 [  $144*x*(3*x+1)/(6*x-1)^4$  ogf]  
A128990 17.7248  $-21*(3+7*x)/(7*x+2)/(-1+7*x)$  lgdogf  
A128990 3.19374 [ $\{(4+2*n)*a(n+3)+(-70-7*n)*a(n+2)+(-147-49*n)*a(n+1), a(0) = 0, a(1) = 196, a(2) = 6174\}$ ], ogf]  
A128990 6.46937 [  $98*x*(7*x+2)/(7*x-1)^4$  ogf]  
A128991 18.9974  $-12*(3+8*x)/(4*x+1)/(8*x-1)$  lgdogf  
A128991 3.32004 [ $\{(n+2)*a(n+3)+(-40-4*n)*a(n+2)+(-96-32*n)*a(n+1), a(0) = 0, a(1) = 256, a(2) = 9216\}$ ], ogf]  
A128991 6.59806 [  $256*x*(4*x+1)/(8*x-1)^4$  ogf]  
A128992 17.0507  $-81*(3*x+1)/(9*x+2)/(9*x-1)$  lgdogf  
A128992 2.94650 [ $\{(4+2*n)*a(n+3)+(-90-9*n)*a(n+2)+(-243-81*n)*a(n+1), a(0) = 0, a(1) = 324, a(2) = 13122\}$ ], ogf]  
A128992 5.93029 [  $162*x*(9*x+2)/(9*x-1)^4$  ogf]  
A128999 10.3260 [ $\{a(n+4)-a(n+3), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 5\}$ ], ogf]  
A128999 18.7036 [  $-(x^3+x^2+2*x+1)/(x-1)$  ogf]  
A128999 23.1590  $(-3-2*x+2*x^3-2*x^2)/(x-1)/(x^3+x^2+2*x+1)$  lgdogf  
A129000 11.1551 [  $-(3*x^4+3*x^3+3*x^2+3*x+1)/(x-1)/(x+1)$  ogf]  
A129000 6.71374 [ $\{-a(n+5)+a(n+3), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 6, a(4) = 7\}$ ], ogf]  
A129000 9.69187  $(-3-8*x+6*x^5+3*x^4-12*x^3-12*x^2)/(-1+x)/(x+1)/(3*x^4+3*x^3+3*x^2+3*x+1)$  lgdogf  
A129002 22.5869  $-12*(1+2*x)/(4*x+1)/(-1+2*x)$  lgdogf  
A129002 4.18925 [ $\{(n+3)*a(n+3)+(-8+2*n)*a(n+2)+(-32-8*n)*a(n+1), a(0) = 4, a(1) = 48, a(2) = 288\}$ ], ogf]  
A129002 9.92529 [  $4*(4*x+1)/(2*x-1)^4$  ogf]  
A129003 22.5520  $-18*(3*x+1)/(6*x+1)/(3*x-1)$  lgdogf  
A129003 3.95594 [ $\{(n+3)*a(n+3)+(-12+3*n)*a(n+2)+(-72-18*n)*a(n+1), a(0) = 6, a(1) = 108, a(2) = 972\}$ ], ogf]  
A129003 9.26988 [  $6*(6*x+1)/(3*x-1)^4$  ogf]  
A129004 19.0550  $-24*(4*x+1)/(1+8*x)/(4*x-1)$  lgdogf  
A129004 3.30847 [ $\{(n+3)*a(n+3)+(-16+4*n)*a(n+2)+(-128-32*n)*a(n+1), a(0) = 8, a(1) = 192, a(2) = 2304\}$ ], ogf]  
A129004 7.73599 [  $8*(8*x+1)/(4*x-1)^4$  ogf]  
A129005 20.7162  $-30*(5*x+1)/(10*x+1)/(5*x-1)$  lgdogf  
A129005 3.77492 [ $\{(n+2)*a(n+3)+(-25+5*n)*a(n+2)+(-150-50*n)*a(n+1), a(0) = 0, a(1) = 10, a(2) = 300\}$ ], ogf]  
A129005 7.85184 [  $10*x*(10*x+1)/(5*x-1)^4$  ogf]  
A129006 19.1242  $-36*(6*x+1)/(1+12*x)/(6*x-1)$  lgdogf  
A129006 3.41756 [ $\{(n+3)*a(n+3)+(-24+6*n)*a(n+2)+(-288-72*n)*a(n+1), a(0) = 12, a(1) = 432, a(2) = 7776\}$ ], ogf]  
A129006 7.59458 [  $12*(12*x+1)/(6*x-1)^4$  ogf]  
A129007 17.9228  $-42*(7*x+1)/(14*x+1)/(7*x-1)$  lgdogf  
A129007 3.18589 [ $\{(n+3)*a(n+3)+(-28+7*n)*a(n+2)+(-392-98*n)*a(n+1), a(0) = 14, a(1) = 588, a(2) = 12348\}$ ], ogf]

A129007 7.02642 [  $14*(14*x+1)/(7*x-1)^4$  ogf]  
A129008 18.7150  $-48*(8*x+1)/(16*x+1)/(8*x-1)$  lgdogf  
A129008 3.30315 [  $\{(n+3)*a(n+3)+(-32+8*n)*a(n+2)+(-512-128*n)*a(n+1), a(0) = 16, a(1) = 768, a(2) = 18432\}$ , ogf]  
A129008 7.33027 [  $16*(16*x+1)/(8*x-1)^4$  ogf]  
A129009 16.6352  $-54*(9*x+1)/(18*x+1)/(9*x-1)$  lgdogf  
A129009 2.94208 [  $\{(n+3)*a(n+3)+(-36+9*n)*a(n+2)+(-648-162*n)*a(n+1), a(0) = 18, a(1) = 972, a(2) = 26244\}$ , ogf]  
A129009 6.52900 [  $18*(18*x+1)/(9*x-1)^4$  ogf]  
A129026 21.1030  $-4*(9-7*x+3*x^2)/(x-1)/(4*x^2-9*x+9)$  lgdogf  
A129026 3.74008 [  $\{(27+9*n)*a(n+4)+(-72-18*n)*a(n+3)+(41+13*n)*a(n+2)+(-12-4*n)*a(n+1), a(0) = 0, a(1) = 27, a(2) = 108, a(3) = 282\}$ , ogf]  
A129026 8.95880 [  $-3*x*(4*x^2-9*x+9)/(x-1)^5$  ogf]  
A129027 17.0136  $-2*(25+11*x+x^3+3*x^2)/(x-1)/(x^3+x^2+5*x+9)$  lgdogf  
A129027 3.89229 [  $\{(-43*n^2-396*n-620)*a(n+1)+(196*n^2+1277*n+981)*a(n+2)+(-153*n^2-441*n-270)*a(n+3), a(0) = 0, a(1) = 108, a(2) = 600\}$ , ogf]  
A129027 7.90622 [  $-12*x*(x^3+x^2+5*x+9)/(x-1)^5$  ogf]  
A129028 17.2311  $-2*(25+11*x+x^3+3*x^2)/(x-1)/(x^3+x^2+5*x+9)$  lgdogf  
A129028 3.96261 [  $\{(-43*n^2-396*n-620)*a(n+1)+(196*n^2+1277*n+981)*a(n+2)+(-153*n^2-441*n-270)*a(n+3), a(0) = 0, a(1) = 27, a(2) = 150\}$ , ogf]  
A129028 8.26609 [  $-3*x*(x^3+x^2+5*x+9)/(x-1)^5$  ogf]  
A129029 15.7700  $-2*(24+45*x+5*x^3+6*x^2)/(x-1)/(5*x^3-x^2+23*x+5)$  lgdogf  
A129029 3.85822 [  $\{(-67*n^2-1790*n-3312)*a(n+1)+(1858*n^2+14884*n+20946)*a(n+2)+(-1791*n^2-6198*n-5232)*a(n+3), a(0) = 0, a(1) = 30, a(2) = 288\}$ , ogf]  
A129029 8.24440 [  $-6*x*(5*x^3-x^2+23*x+5)/(x-1)^5$  ogf]  
A129086 9.91121  $-1/2*(-1-4*x+3*x^2+(1-4*x+6*x^2-8*x^3+9*x^4)^{(1/2)})/(3+4*x)$  revogf  
A129109 12.9035 [  $-(4*x^2+x+7)/(x-1)^3$  ogf]  
A129109 22.0564  $-2*(11+5*x+2*x^2)/(x-1)/(4*x^2+x+7)$  lgdogf  
A129109 6.90449 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 7, a(1) = 22, a(2) = 49\}$ , ogf]  
A129110 10.4682  $-1/2*(-3*(1+4*x^2)^{(1/2)}+5*x*(1+4*x^2)^{(1/2)}+3-x-2*x^2)/x/(x-1)/(1+4*x^2)^{(1/2)}$  lgdogf  
A129111 12.9484 [  $-(5*x^2+2*x+8)/(x-1)^3$  ogf]  
A129111 21.5224  $-(26+14*x+5*x^2)/(x-1)/(5*x^2+2*x+8)$  lgdogf  
A129111 6.92853 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 8, a(1) = 26, a(2) = 59\}$ , ogf]  
A129113 12.9194 [  $x^3/(x^4-x^3-5*x^2-x+1)$  ogf]  
A129113 14.6438  $-(-1-10*x-3*x^2+4*x^3)/(-5*x^2+1-x+x^4-x^3)$  lgdogf  
A129126 4.14093 [  $(x-2)*(2*x^5-14*x^4+35*x^3-32*x^2-x+11)/(x-1)^9$  ogf]  
A129126 6.59168  $-(-185+230*x+135*x^2-360*x^3+225*x^4-60*x^5+6*x^6)/(x-1)/(x-2)/(2*x^5-14*x^4+35*x^3-32*x^2-x+11)$  lgdogf  
A129135 3.98256 [  $\{(n^2+15*n+56)*a(n+1)+(n^2+10*n+16)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 21\}$ , ogf]  
A129136 3.17941 [  $\{(n^2+17*n+72)*a(n+1)+(n^2+11*n+18)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 28\}$ , ogf]  
A129147 4.18129 [  $\{(-16*n-32)*a(n+1)+(-16*n-44)*a(n+2)+(-2*n-4)*a(n+3)+(n+5)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 13\}$ , ogf]  
A129147 45.9587  $-x*(x-1)/(1+2*x^2)$  revogf  
A129148 26.9440  $-x*(x-1)/(1+x+2*x^2)$  revogf  
A129149 3.23041 [  $\{(n^2+19*n+90)*a(n+1)+(n^2+12*n+20)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 36\}$ , ogf]  
A129153 3.32984 [  $\{(n^2+21*n+110)*a(n+1)+(n^2+13*n+22)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 45\}$ , ogf]  
A129164 3.85628 [  $\{(5*n+15)*a(n+1)+(-11*n-41)*a(n+2)+(7*n+31)*a(n+3)+(-n-5)*a(n+4), a(0) = 1, a(1) = 5, a(2) = 22, a(3) = 97\}$ , ogf]  
A129167 4.60700 [  $\{(5*n+15)*a(n+1)+(-16*n-52)*a(n+2)+(13*n+49)*a(n+3)+(-2*n-10)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 9\}$ , ogf]  
A129169 6.03829  $-(5*x-4+2*x*(x-1)^{(1/2)}*(5*x-1)^{(1/2)}-4*(x-1)^{(1/2)}*(5*x-1)^{(1/2)})/(5*x-1)^{(1/2)}/(x-1)^{(1/2)}/(x-2)/x$  lgdogf

A129171 3.68238 [ {25\*a(n)\*n+(-35\*n-20)\*a(n+1)+(11\*n+14)\*a(n+2)+(-n-2)\*a(n+3),  
a(0) = 0, a(1) = 1, a(2) = 6}, ogf]  
A129194 11.7407 -2\*(1+9\*x+x^5+3\*x^4+14\*x^3+8\*x^2)/(-1+x)/(x+1)/  
(x^4+2\*x^3+6\*x^2+2\*x+1) lgdogf  
A129194 6.36459 [ {(n^2+6\*n+9)\*a(n+1)+(-n^2-2\*n-1)\*a(n+3), a(0) = 0, a(1) = 1,  
a(2) = 2}, ogf]  
A129194 9.80895 [ -x\*(x^4+2\*x^3+6\*x^2+2\*x+1)/(x-1)^3/(x+1)^3 ogf]  
A129197 5.49388 -(3+8\*x  
+15\*x^6+72\*x^5+16\*x^7+5\*x^4+48\*x^3+24\*x^9+9\*x^8+x^10+9\*x^2)/(x-1)/(x+1)/(x^2+x  
+1)/(x^2-x+1)/(x^5+12\*x^4+3\*x^3+4\*x^2+3\*x+12) lgdogf  
A129197 9.75081 [ -(x^5+12\*x^4+3\*x^3+4\*x^2+3\*x+12)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x  
+1) ogf]  
A129203 10.3790 [ -(x^5+6\*x^4+3\*x^3+2\*x^2+3\*x+6)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)  
ogf]  
A129203 5.78084 -(3+4\*x  
+9\*x^8+15\*x^6+36\*x^5+8\*x^7+5\*x^4+24\*x^3+12\*x^9+x^10+9\*x^2)/(-1+x)/(x+1)/(x^2+x  
+1)/(x^2-x+1)/(x^5+6\*x^4+3\*x^3+2\*x^2+3\*x+6) lgdogf  
A129204 5.05052 [ (x^2+x+1)\*(x^6-x^4+24\*x^3-x^2+1)/(x-1)^4/(x+1)^4 ogf]  
A129204 5.31470 -(1+8\*x+x^8+76\*x^6+88\*x^5+8\*x^7+230\*x^4+88\*x^3+76\*x^2)/(-1+x)/(x  
+1)/(x^2+x+1)/(x^6-x^4+24\*x^3-x^2+1) lgdogf  
A129217 2.96576 [ {(n^2+23\*n+132)\*a(n+1)+(n^2+14\*n+24)\*a(n+2)+(-n-3)\*a(n+3), a(0)  
= 1, a(1) = 0, a(2) = 55}, ogf]  
A129218 3.03203 [ {(n^2+25\*n+156)\*a(n+1)+(n^2+15\*n+26)\*a(n+2)+(-n-3)\*a(n+3), a(0)  
= 1, a(1) = 0, a(2) = 66}, ogf]  
A129238 3.11487 [ {(n^2+27\*n+182)\*a(n+1)+(n^2+16\*n+28)\*a(n+2)+(-n-3)\*a(n+3), a(0)  
= 1, a(1) = 0, a(2) = 78}, ogf]  
A129254 12.6824 [ (28\*x^2+53\*x+27)/(x+1)/(x-1)^2 ogf]  
A129254 14.4792 -2\*(40+95\*x+14\*x^3+67\*x^2)/(x-1)/(x+1)/(28\*x^2+53\*x+27) lgdogf  
A129254 6.99717 [ {-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 27, a(1) = 80, a(2) = 135},  
ogf]  
A129255 3.13144 [ {(n^2+29\*n+210)\*a(n+1)+(n^2+17\*n+30)\*a(n+2)+(-n-3)\*a(n+3), a(0)  
= 1, a(1) = 0, a(2) = 91}, ogf]  
A129288 6.58444 [ x\*(20\*x^5+x^4+20\*x^3-84\*x^2-3\*x-36)/(x-1)/(x^6-6\*x^3+1) ogf]  
A129289 7.02431 [ x\*(28\*x^5+17\*x^4+28\*x^3-124\*x^2-51\*x-44)/(x-1)/(x^6-6\*x^3+1)  
ogf]  
A129298 6.34688 [ x\*(33\*x^5+23\*x^4+33\*x^3-147\*x^2-69\*x-51)/(x-1)/(x^6-6\*x^3+1)  
ogf]  
A129323 17.3442 (-n-2)\*a(n+2)+a(n+1), a(0)=2, a(1)=2 lgdegf  
A129324 17.0866 (-n-2)\*a(n+2)+a(n+1), a(0)=2, a(1)=2 lgdegf  
A129325 16.8290 (-n-2)\*a(n+2)+a(n+1), a(0)=2, a(1)=2 lgdegf  
A129326 16.4856 [ -(x-3)/(x-1)^2 egf]  
A129326 38.3940 -(-5+x)/(x-1)/(x-3) lgdegf  
A129326 4.36382 [ {(-n^2-4\*n-4)\*a(n+1)+(-6\*n^2-41\*n-68)\*a(n+2)+(6\*n+18)\*a(n+3),  
a(0) = 3, a(1) = 5, a(2) = 14}, ogf]  
A129327 15.0619 (-n-2)\*a(n+2)+a(n+1), a(0)=3, a(1)=3 lgdegf  
A129328 16.5757 (-n-2)\*a(n+2)+a(n+1), a(0)=3, a(1)=3 lgdegf  
A129329 16.4066 (-n-2)\*a(n+2)+a(n+1), a(0)=3, a(1)=3 lgdegf  
A129331 16.2269 (-n-2)\*a(n+2)+a(n+1), a(0)=4, a(1)=4 lgdegf  
A129332 16.1437 (-n-2)\*a(n+2)+a(n+1), a(0)=4, a(1)=4 lgdegf  
A129333 15.0619 (-n-2)\*a(n+2)+a(n+1), a(0)=4, a(1)=4 lgdegf  
A129339 10.2868 [ (x-1)^3/(2\*x-1)/(3\*x^2-3\*x+1) ogf]  
A129339 16.5668 (2-8\*x+9\*x^2)/(x-1)/(-1+2\*x)/(3\*x^2-3\*x+1) lgdogf  
A129339 5.37721 [ {-a(n+4)+5\*a(n+3)-9\*a(n+2)+6\*a(n+1), a(0) = 1, a(1) = 2, a(2) =  
4, a(3) = 7}, ogf]  
A129345 10.4726 -(x^2-3)\*(x^4-18\*x^2-8\*x-3)/(x^2+2\*x-1)/(x^2-2\*x-1)/(x^3-9\*x-2)  
lgdogf  
A129345 13.6048 [ -(x^3-9\*x-2)/(x^2+2\*x-1)/(x^2-2\*x-1) ogf]  
A129346 11.8780 [ -(x^3+2\*x^2-5\*x-4)/(x^2+2\*x-1)/(x^2-2\*x-1) ogf]  
A129346 8.10424 -(5+44\*x+4\*x^5+x^6-9\*x^4-16\*x^3+27\*x^2)/(x^2+2\*x-1)/(x^2-2\*x-1)/  
(x^3+2\*x^2-5\*x-4) lgdogf  
A129361 10.0624 -(-1-4\*x+6\*x^5+2\*x^7+7\*x^4+2\*x^3+3\*x^8)/(x+1)/(x^2-x+1)/

$(x^2+x-1)/(x^4+x^2-1)$  lgdogf  
A129361 10.8131 [  $(x+1)*(x^2-x+1)/(x^2+x-1)/(x^4+x^2-1)$  ogf]  
A129362 6.72682  $-(-1-6*x+24*x^8+4*x^3-3*x^2+16*x^4+24*x^5+8*x^7)/(2*x-1)/(x+1)/(2*x^2-1)/(2*x^3+1)/(x^2+1)$  lgdogf  
A129362 8.47970 [  $(2*x^3+1)/(x+1)/(2*x-1)/(x^2+1)/(2*x^2-1)$  ogf]  
A129366 5.61726  $x*(-7*x^8-6*x^6+5*x^4+2*x^{10}+5*x^2+1+x^{12})/(x^6-x^4-2*x^3-3*x^2-x-1)/(x^7+x^6+3*x^5-3*x^4+x^3-4*x^2-1)$  revogf  
A129370 10.7219  $-4*(1+4*x+3*x^4+5*x^3+8*x^2)/(x-1)/(x+1)/(4*x^3+5*x^2+4*x+1)$  lgdogf  
A129370 8.50214 [  $-x*(4*x^3+5*x^2+4*x+1)/(x-1)^3/(x+1)^3$  ogf]  
A129371 10.8286  $-(5+21*x+29*x^3+16*x^4+41*x^2)/(x-1)/(1+x)/(4*x^3+5*x^2+4*x+1)$  lgdogf  
A129371 6.49946 [  $x*(4*x^3+5*x^2+4*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A129393 12.8934  $-(-5+10*x+3*x^2-56*x^3+16*x^4)/(x-1)/(4*x^2+3*x+1)/(4*x^2-7*x-1)$  lgdogf  
A129393 12.8970 [  $(4*x^2-7*x-1)/(x-1)/(4*x^2+3*x+1)$  ogf]  
A129393 6.96208 [  $\{a(n+3)+2*a(n+2)+a(n+1)-4*a(n), a(0) = 1, a(1) = 5, a(2) = -15\}$ , ogf]  
A129395 10.1497  $-(7+10*x-204*x^5+32*x^6-96*x^2-38*x^3+33*x^4)/(x-1)/(4*x^2+3*x+1)/(4*x^4-17*x^3-x-2)$  lgdogf  
A129395 8.07517 [  $-2*x*(4*x^4-17*x^3-x-2)/(x-1)^2/(4*x^2+3*x+1)^2$  ogf]  
A129397 7.26885 [  $(x+1)*(8*x^4-6*x^3+x^2+12*x+1)/(x-1)^2/(4*x^2+3*x+1)^2$  ogf]  
A129397 8.41199  $-(9+32*x^7-4*x-12*x^5+24*x^6-30*x^2+232*x^3+261*x^4)/(x-1)/(x+1)/(3*x+1+4*x^2)/(8*x^4-6*x^3+x^2+12*x+1)$  lgdogf  
A129400 3.77793 [  $\{(-12*n-24)*a(n+1)+(-4*n-14)*a(n+2)+(n+5)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A129400 37.7107  $x/(1+2*x+4*x^2)$  revogf  
A129428 13.0574 [  $-(x^2+45*x+1)/(x-1)^3$  ogf]  
A129428 24.0819  $-(48+92*x+x^2)/(x-1)/(x^2+45*x+1)$  lgdogf  
A129428 7.03963 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 48, a(2) = 142\}$ , ogf]  
A129441 7.69942  $-(1+2*x-2*x^4+6*x^3+3*x^8+4*x^7-x^6-8*x^5+10*x^2)/(x^2+x+1)/(x^4-x^3-x^2-2*x+1)/(x^3+x^2-1)$  lgdogf  
A129441 8.81793 [  $-(x^3+x^2-1)/(x^2+x+1)/(x^4-x^3-x^2-2*x+1)$  ogf]  
A129442 3.18606 [  $\{(64*n^2+256*n+252)*a(n+1)+(-28*n^2-154*n-210)*a(n+2)+(3*n^2+21*n+36)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A129442 32.2259  $-x*(x-1)*(1-x+x^2)$  revogf  
A129443 5.73800  $-(1+4*x+1280*x^7+1536*x^8-448*x^5+128*x^6+48*x^3-128*x^4+52*x^2)/(-1+4*x)/(4*x^2+2*x+1)/(4*x^3-x-1)/(8*x^3+4*x^2-1)$  lgdogf  
A129443 7.31246 [  $-(8*x^3+4*x^2-1)/(4*x-1)/(4*x^2+2*x+1)/(4*x^3-x-1)$  ogf]  
A129444 7.24360 [  $x*(x^3+5*x^2-x-1)/(x-1)/(x^4-10*x^2+1)$  ogf]  
A129444 7.72953  $-2*(-1-5*x-7*x^5+x^7+7*x^6-31*x^4+11*x^3+9*x^2)/(x-1)/(x^3+5*x^2-x-1)/(x^4-10*x^2+1)$  lgdogf  
A129445 10.5129  $-(2+16*x+4*x^4-4*x^3+x^6+4*x^5+17*x^2)/(x-1)/(x^2+3*x+1)/(x^4-10*x^2+1)$  lgdogf  
A129445 11.5112 [  $-(x-1)*(x^2+3*x+1)/(x^4-10*x^2+1)$  ogf]  
A129447 5.17486 [  $-(-2*x^7+x^6+x^5-x^4+x^2-3*x+1)/(x^8-x^7+x^6+x^2-x+1)$  ogf\_with\_Euler\_transform]  
A129449 6.92192 [  $-(-2*x^{11}-x^{10}-2*x^8-x^7-x^6-x^4-x^3-2*x^2-1)/(x^{12}-1)$  ogf\_with\_Euler\_transform]  
A129452 6.18208 [  $-(27*x^3+9*x^2-1)/(81*x^4-9*x^3-9*x^2-4*x+1)/(9*x^2+3*x+1)$  ogf]  
A129458 4.63251 [  $\{(n^3+n^2)*a(n)+(-2*n^2-4*n-3)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 1\}$ , egf]  
A129464 3.85682 [  $\{(2*n^3+4*n^2)*a(n)+(-n^3-6*n^2-13*n-6)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = -2\}$ , ogf]  
A129509 23.1971  $-1/2*(-(x-1)^{1/2}+(4*x^2+x-1)^{1/2})/(x-1)^{1/2}/x$  revogf  
A129530 13.1855 [  $-3*x^2/(3*x-1)^3$  ogf]  
A129530 5.53321 [  $\{a(n+3)-9*a(n+2)+27*a(n+1)-27*a(n), a(0) = 0, a(1) = 0, a(2) = 3\}$ , ogf]

A129530 61.3364  $-9/(3*x-1)$  lgdogf  
A129532 12.5574  $[-6*x^2/(4*x-1)^3$  ogf]  
A129532 49.7142  $-12/(-1+4*x)$  lgdogf  
A129532 5.33410  $[{a(n+3)-12*a(n+2)+48*a(n+1)-64*a(n), a(0) = 0, a(1) = 0, a(2) = 6},$  ogf]  
A129544 6.92930  $[x*(65*x^5+7*x^4+65*x^3-275*x^2-21*x-115)/(x-1)/(x^6-6*x^3+1)$  ogf]  
A129548 11.4416  $-(1+14*x+8*x^5-7*x^4+22*x^3-10*x^2)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)$  lgdogf  
A129548 5.54526  $[-(x^2+1)*(x^2-x+1)/(x+1)^5/(x-1)^7$  ogf]  
A129556 6.84381  $-(-21-148*x+2*x^7-493*x^2+1450*x^3-67*x^4-80*x^5+5*x^6)/(x-1)/(x^2-6*x-1)/(x^2+6*x-1)/(x^3+2*x^2-19*x-2)$  lgdogf  
A129556 7.83873  $[x*(x^3+2*x^2-19*x-2)/(x-1)/(x^2+6*x-1)/(x^2-6*x-1)$  ogf]  
A129557 10.1630  $[-(x-1)*(x^2+5*x+1)/(x^2+6*x-1)/(x^2-6*x-1)$  ogf]  
A129557 7.24002  $-(4+68*x+26*x^4-4*x^3+x^6+8*x^5+149*x^2)/(x-1)/(x^2+5*x+1)/(x^2+6*x-1)/(x^2-6*x-1)$  lgdogf  
A129588 29.9708  $[-4/(-x-1)$  ogf\_with\_Euler\_transform]  
A129617 11.3254  $[-x*(x+1)/(14*x^3+16*x^2-1)$  ogf]  
A129617 13.0503  $-(1+32*x+58*x^2+28*x^3)/(x+1)/(14*x^3+16*x^2-1)$  lgdogf  
A129617 6.55682  $[{a(n+3)-16*a(n+1)-14*a(n), a(0) = 0, a(1) = 1, a(2) = 1},$  ogf]  
A129625 6.17339  $[x*(57*x^5+119*x^4+57*x^3-267*x^2-357*x-75)/(x-1)/(x^6-6*x^3+1)$  ogf]  
A129626 6.59355  $[x*(60*x^5+161*x^4+60*x^3-284*x^2-483*x-76)/(x-1)/(x^6-6*x^3+1)$  ogf]  
A129637 20.1203  $x*(1+2*x)/(1+5*x+8*x^2)$  revogf  
A129638 6.11619  $[-(6*x^5+21*x^4-24*x^3-36*x^2+10*x+11)/(x^6+3*x^5-6*x^4-4*x^3+5*x^2+x-1)$  ogf]  
A129639 10.4535  $[-2*(7*x^3+4*x^2-11*x-6)/(2*x^4-4*x^2+1)$  ogf]  
A129639 8.50122  $-(11+40*x+16*x^5-38*x^4-48*x^3+14*x^6+23*x^2)/(7*x^3+4*x^2-11*x-6)/(2*x^4-4*x^2+1)$  lgdogf  
A129640 6.51170  $[x*(105*x^5+103*x^4+105*x^3-475*x^2-309*x-155)/(x-1)/(x^6-6*x^3+1)$  ogf]  
A129641 6.56984  $[x*(136*x^5+137*x^4+136*x^3-616*x^2-411*x-200)/(x-1)/(x^6-6*x^3+1)$  ogf]  
A129642 5.91753  $[x*(204*x^5+49*x^4+204*x^3-876*x^2-147*x-348)/(x-1)/(x^6-6*x^3+1)$  ogf]  
A129647 8.70693  $[x*(4*x^6-8*x^5+5*x^4-2*x^3-1)/(x+1)/(x^2+1)/(x-1)^3$  ogf]  
A129647 9.04772  $-2*(-1-x+x^7+7*x^5-2*x^6+5*x^3-17*x^4-4*x^2)/(x-1)/(x+1)/(x^2+1)/(4*x^6-8*x^5+5*x^4-2*x^3-1)$  lgdogf  
A129682 10.5275  $[-(x^3+x-1)/(x-1)/(x^5+2*x^3+x^2+x-1)$  ogf]  
A129682 7.58475  $-(x+1)*(x^9-3*x^8+8*x^7-10*x^6+13*x^5-11*x^4+5*x^3-x^2-2*x+2)/(x-1)/(x^5-x^4+2*x^3-1)/(x^5+2*x^3+x^2+x-1)$  lgdogf  
A129683 11.8294  $-212+212*x+(25-184*x+212*x^2)*f(x)+(28*x^2+7-28*x)*f(x)^2$  lgdegf  
A129683 4.69901  $[{(-4*n^2-16*n-16)*a(n+1)+(4*n+12)*a(n+2)-a(n+3), a(0) = 1, a(1) = 4, a(2) = 28},$  ogf]  
A129696 16.2453  $[-1/(x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A129696 16.6675  $-(-2-4*x+5*x^3+5*x^2)/(x-1)/(x+1)/(x^2+x-1)$  lgdogf  
A129704 10.7557  $[1/(x^5-2*x^4+x^3-2*x^2+x-1)$  ogf]  
A129704 12.8449  $-(1-4*x+5*x^4-8*x^3+3*x^2)/(-2*x^2-1+x-2*x^4+x^3+x^5)$  lgdogf  
A129707 10.3882  $[-x^2*(x+1)/(x^2+x-1)^3$  ogf]  
A129707 23.6597  $-(4+8*x+5*x^2)/(x+1)/(x^2+x-1)$  lgdogf  
A129715 17.2018  $-(-5-7*x+x^4+x^3)/(x^2+x-1)/(x^3+x^2-x-2)$  lgdogf  
A129715 8.83767  $[-x*(x^3+x^2-x-2)/(x^2+x-1)^2$  ogf]  
A129720 12.8623  $-(1+7*x-x^4-9*x^3+4*x^5)/(x-1)/(x+1)/(x^2+x-1)/(x^2-x-1)$  lgdogf  
A129720 9.02516  $[x*(x-1)*(x+1)/(x^2-x-1)/(x^2+x-1)^2$  ogf]  
A129722 10.3351  $[-x^2/(x^2-x-1)/(x^2+x-1)^2$  ogf]  
A129722 18.1014  $-(-1-9*x+6*x^3-x^2)/(x^2+x-1)/(x^2-x-1)$  lgdogf  
A129725 6.77308  $[x*(84*x^5+353*x^4+84*x^3-404*x^2-1059*x-100)/(x-1)/(x^6-6*x^3+1)$  ogf]  
A129728 10.2650  $[ (2*x^3+x^2-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A129728 11.8515  $-(3-3*x+2*x^5-9*x^2+7*x^3+4*x^4)/(x-1)/(x^2+x-1)/(2*x^3+x^2-1)$

lgdogf  
 A129728 4.23358 [ $\{a(n)*n+a(n+1)+(-2*n+1)*a(n+2)+(n-1)*a(n+3)\}$ ,  $a(0) = 1$ ,  $a(1) = 3$ ,  $a(2) = 6$ ,  $a(3) = 9$ ,  $a(4) = 13$ ], ogf]  
 A129743 11.6546 [  $-2*(x+1)/(x-1)/(x^2-4*x+1)$  ogf]  
 A129743 14.4083  $-2*(3-5*x-x^2+x^3)/(x-1)/(x+1)/(1-4*x+x^2)$  lgdogf  
 A129743 5.41835 [ $\{a(n+3)-5*a(n+2)+5*a(n+1)-a(n)\}$ ,  $a(0) = 2$ ,  $a(1) = 12$ ,  $a(2) = 50$ ], ogf]  
 A129744 10.2529 [  $2*(x^2+1)/(x-1)/(x+1)/(x^2+2*x-1)$  ogf]  
 A129744 10.3668  $-2*(-1-3*x+x^4+2*x^3+x^5+4*x^2)/(x-1)/(x+1)/(x^2+1)/(x^2+2*x-1)$  lgdogf  
 A129756 14.9410  $-(1+x+x^2+9*x^3+x^4+x^5+x^6+x^7)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  lgdogf  
 A129756 16.0313 [  $(x^4+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
 A129756 31.4134 [  $-x^7+2*x^3+1$  ogf\_with\_Euler\_transform]  
 A129762 5.09216 [  $-(x^5-7*x^3+13*x^2+4*x+1)/(x-1)/(x^2-3*x+1)/(x^2+x-1)/(x^2+4*x-1)$  ogf]  
 A129770 5.30550 [  $-x*(x^2+1)*(4*x^10-4*x^8+10*x^6-x^4-4*x^2+1)/(3*x-1)/(3*x^2-1)/(3*x^4-1)$  ogf]  
 A129776 6.60425 [  $-(3*x^5+x^4-5*x^3+7*x^2-5*x+1)/(3*x^6-4*x^5-8*x^4+14*x^3-15*x^2+7*x-1)$  ogf]  
 A129777 6.19618 [  $-(x-1)*(x^5+3*x^4+x^3+3*x-1)/(x^7-x^6-8*x^5+x^4+3*x^3-9*x^2+6*x-1)$  ogf]  
 A129779 3.23525 [ $\{(2*n^2+n)*a(n+1)+(-2*n^2-8*n-9)*a(n+2)+(-n-3)*a(n+3)\}$ ,  $a(0) = 1$ ,  $a(1) = -1$ ,  $a(2) = 2$ ], ogf]  
 A129779 9.29022  $-(1+x-2*x^2+2*(1+2*x)*(x-2)^2)^{(1/2)}/(1+2*x)/(x^2-2*x+5)$  lgdegf  
 A129803 5.39536 [ $\{-a(n+3)+15*a(n+2)-15*a(n+1)+a(n)\}$ ,  $a(0) = 10$ ,  $a(1) = 136$ ,  $a(2) = 1891$ ], ogf]  
 A129803 7.66794  $-(136-298*x-28*x^3+225*x^2+x^4)/(x-1)/(x^2-14*x+1)/(x^2-14*x+10)$  lgdogf  
 A129803 9.96066 [  $-(x^2-14*x+10)/(x-1)/(x^2-14*x+1)$  ogf]  
 A129819 11.6583  $-(1+5*x+6*x^5+4*x^4+11*x^3+4*x^6+5*x^2)/(x-1)/(x+1)/(x^2+1)/(x^3+x^2+1)$  lgdogf  
 A129819 8.27620 [  $-x^2*(x^3+x^2+1)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
 A129831 3.81436 [ $\{(-n-5)*a(n+1)+(-n-5)*a(n+2)+a(n+4)+a(n+3)\}$ ,  $a(0) = 1$ ,  $a(1) = 1$ ,  $a(2) = 2$ ,  $a(3) = 6$ ], ogf]  
 A129836 5.95290 [  $x*(13*x^5+71*x^4+13*x^3-63*x^2-213*x-15)/(x-1)/(x^6-6*x^3+1)$  ogf]  
 A129839 6.21829 [  $-x^3*(36*x^3+36*x^2-11*x-1)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(9*x-1)/(2*x-1)$  ogf]  
 A129847 17.4751 [  $-1/(x^4+2*x^3+x^2+x-1)$  ogf]  
 A129847 8.64472  $-(2+6*x+x^6+4*x^5+6*x^3+6*x^4+8*x^2)/(x^3+2*x^2+x+1)/(x^4+2*x^3+x^2+x-1)$  lgdogf  
 A129857 5.66997 [  $x*(185*x^5+487*x^4+185*x^3-875*x^2-1461*x-235)/(x-1)/(x^6-6*x^3+1)$  ogf]  
 A129863 14.3070 [  $-3*(x^2+2)/(x-1)^3$  ogf]  
 A129863 30.7764  $-(6+2*x+x^2)/(x-1)/(x^2+2)$  lgdogf  
 A129863 7.15351 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n)\}$ ,  $a(0) = 6$ ,  $a(1) = 18$ ,  $a(2) = 39$ ], ogf]  
 A129867 3.26319 [ $\{(-n-4)*a(n+1)+(2*n+9)*a(n+2)+(-n-6)*a(n+3)+a(n+4)\}$ ,  $a(0) = 1$ ,  $a(1) = 2$ ,  $a(2) = 5$ ,  $a(3) = 14$ ], ogf]  
 A129868 10.0336  $-(-27+140*x-232*x^2+128*x^3)/(8*x-5)/(x-1)/(-1+2*x)/(-1+4*x)$  lgdogf  
 A129868 12.5980 [  $x*(8*x-5)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
 A129868 6.46625 [ $\{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n)\}$ ,  $a(0) = 0$ ,  $a(1) = 5$ ,  $a(2) = 27$ ], ogf]  
 A129869 3.31788 [ $\{(-20*n^2-10*n)*a(n)+(69*n^2+229*n+180)*a(n+1)+(-24*n^2-116*n-132)*a(n+2)+(2*n^2+14*n+24)*a(n+3)\}$ ,  $a(0) = -1$ ,  $a(1) = 1$ ,  $a(2) = 5$ ], ogf]  
 A129889 12.2685 [  $x^2*(x^2-2*x-1)/(x-1)^3/(x+1)^3$  ogf]  
 A129889 18.8764  $-2*(-1-2*x+2*x^3-5*x^2)/(x-1)/(x+1)/(x^2-2*x-1)$  lgdogf



A129889 4.22452 [  $\{(-9-3*n)*a(n+1)+(-2*n^2-13*n-14)*a(n+2)+(5+3*n)*a(n+3)+(2*n^2+5*n+2)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$ , ogf]
  
A129890 13.8879  $-(6*x+13+2*(1-2*x)^(1/2))/(2*x+3)/(2*x-1)$  lgdegf
  
A129890 3.97921 [  $\{(-4*n^2-22*n-30)*a(n+1)+(4*n+13)*a(n+2)-a(n+3), a(0) = 1, a(1) = 5, a(2) = 33\}$ , ogf]
  
A129890 9.33447  $2*x*(4*x+1+3*(1+4*x)^(1/2))/(1+4*x)^(1/2)/(1+(1+4*x)^(1/2))^3$  revegfg
  
A129891 11.6530 [  $-(x^3-x+1)/(x^4-2*x^2+3*x-1)$  ogf]
  
A129891 12.4482  $-(2-4*x-x^4-2*x^3+x^6+5*x^2)/(x^3-x+1)/(x^4-2*x^2+3*x-1)$  lgdogf
  
A129895 7.64519 [  $-(x^7-x^6-x^5+x^4+x^3-x^2+1)/(x+1)/(x^4+1)/(x-1)^3$  ogf]
  
A129895 9.41698  $-(2+2*x+x^2+2*x^5+3*x^6+3*x^8-2*x^10+x^12)/(x-1)/(x+1)/(x^7-x^6-x^5+x^4+x^3-x^2+1)/(x^4+1)$  lgdogf
  
A129903 21.0220 [  $1/(x^4-x^3+x^2+1)$  ogf]
  
A129903 33.0026  $-x*(2+4*x^2-3*x)/(1+x^2-x^3+x^4)$  lgdogf
  
A129903 7.69097 [  $\{-a(n+4)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = -1, a(3) = 1\}$ , ogf]
  
A129905 11.0345 [  $-(2*x+1)*(x-1)/(x+1)/(x^2-3*x+1)$  ogf]
  
A129905 12.2181  $-(3+2*x^4-2*x^3+3*x^2)/(x-1)/(1+2*x)/(x+1)/(x^2-3*x+1)$  lgdogf
  
A129905 6.00986 [  $\{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 6\}$ , ogf]
  
A129920 7.82500 [  $-1/(x^6-2*x^5+x^4-2*x^3+3*x^2-x+1)$  ogf]
  
A129920 7.85655  $-(1+6*x+6*x^5-10*x^4+4*x^3-6*x^2)/(3*x^2+1-x+x^4-2*x^3+x^6-2*x^5)$  lgdogf
  
A129923 11.9768  $(-6+(7776+1620*x)^(1/5))/(7776+1620*x)^(1/5)$  revegfg
  
A129923 5.91549 [  $\{(-n-7)*a(n+1)+a(n+2), a(0) = 24, a(1) = 144\}$ , ogf]
  
A129923 65.8721  $-6/(x-1)$  lgdegf
  
A129923 7.80159 [  $24/(x-1)^6$  egf]
  
A129929 7.13429  $-(2+10*x-10*x^6+19*x^5-21*x^2+25*x^3-25*x^4+2*x^7)/(x-1)/(2*x-1)/(x^2-x+1)/(x^4-2*x^3+4*x^2-3*x+1)$  lgdogf
  
A129929 7.58191 [  $-(x^2-x+1)*(x-1)^2/(2*x-1)/(x^4-2*x^3+4*x^2-3*x+1)$  ogf]
  
A129936 10.7504 [  $(x^3-4*x^2+6*x-2)/(x-1)^4$  ogf]
  
A129936 18.3096  $-(2+10*x+x^3-5*x^2)/(-1+x)/(x^3-4*x^2+6*x-2)$  lgdogf
  
A129936 4.65046 [  $\{(-3*n^2-21*n-30)*a(n+1)+(4*n^2+22*n+30)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = -2, a(1) = -2, a(2) = 0\}$ , ogf]
  
A129938 4.74871 [  $(44*x^8+47*x^7+44*x^6+45*x^5+18*x^4+2*x^3+13*x^2-3*x-6)/(x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]
  
A129939 6.14105  $(-21+36*x+107*x^6-12*x^5+30*x^2-64*x^3-146*x^4+18*x^8+70*x^7)/(18*x^4+35*x^3+30*x^2-9*x-12)/(x^5+x^4+x^3+x^2+x-1)$  lgdogf
  
A129939 8.28876 [  $(18*x^4+35*x^3+30*x^2-9*x-12)/(x^5+x^4+x^3+x^2+x-1)$  ogf]
  
A129952 10.8727 [  $(2*x^3+2*x^2-3*x+1)/(2*x-1)^2$  ogf]
  
A129952 13.5339  $(-1+2*x-6*x^2+4*x^3)/(2*x-1)/(2*x^3+2*x^2-3*x+1)$  lgdogf
  
A129952 5.81784 [  $\{-a(n+4)+4*a(n+3)-4*a(n+2), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6\}$ , ogf]
  
A129953 13.6048 [  $-x*(2*x^2-1)/(2*x-1)^2$  ogf]
  
A129953 24.3123  $-4*(x-1)/(-1+2*x)/(2*x^2-1)$  lgdogf
  
A129953 5.84768 [  $\{-a(n+4)+4*a(n+3)-4*a(n+2), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 10\}$ , ogf]
  
A129954 11.0400 [  $(x-1)*(2*x^2-1)/(2*x-1)^2$  ogf]
  
A129954 14.6630  $(-3+6*x-6*x^2+4*x^3)/(x-1)/(-1+2*x)/(2*x^2-1)$  lgdogf
  
A129954 5.85598 [  $\{-a(n+4)+4*a(n+3)-4*a(n+2), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 14\}$ , ogf]
  
A129955 11.0400 [  $-(2*x^3-4*x^2+5*x-2)/(2*x-1)^2$  ogf]
  
A129955 14.3442  $(2*x-3)*(2*x^2-1)/(-1+2*x)/(2*x^3-4*x^2+5*x-2)$  lgdogf
  
A129955 5.85598 [  $\{a(n+4)-4*a(n+3)+4*a(n+2), a(0) = 2, a(1) = 3, a(2) = 8, a(3) = 18\}$ , ogf]
  
A129957 10.4870  $(-1+15*x+11*x^4+40*x^3+x^5+28*x^2)/(x-1)/(x+1)/(x^4+4*x^3+8*x^2-2*x+1)$  lgdogf
  
A129957 8.05208 [  $(x^4+4*x^3+8*x^2-2*x+1)/(x+1)/(x-1)^4$  ogf]
  
A129958 10.3409 [  $-2*x*(x^2+x+4)/(x+1)/(x-1)^3$  ogf]
  
A129958 15.7385  $-(2*x+1)*(x^2+2*x+9)/(x-1)/(x+1)/(x^2+x+4)$  lgdogf
  
A129959 10.2374  $-(1+13*x+14*x^4+41*x^3+2*x^5+25*x^2)/(x-1)/(x+1)/$

$(2*x^4+4*x^3+7*x^2-2*x+1)$  lgdogf  
A129959 8.30562 [  $(2*x^4+4*x^3+7*x^2-2*x+1)/(x+1)/(x-1)^4$  ogf]  
A129961 7.39367 [  $-(x-1)^4/(2*x-1)/(2*x^4-4*x^3+6*x^2-4*x+1)$  ogf]  
A129961 8.80766  $-2*(-1+5*x-10*x^4+12*x^3+2*x^5-10*x^2)/(x-1)/(-1+2*x)/$   
 $(2*x^4-4*x^3+6*x^2-4*x+1)$  lgdogf  
A129966 4.87006 [  $-x*(x^2+1)*(x^8+2*x^7+11*x^6+4*x^5-4*x^4+4*x^3+11*x^2+2*x+1)/$   
 $(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2/(x-1)^3$  ogf]  
A129973 13.8248 [  $x^3/(x^2+x-1)/(x^3+x^2-1)$  ogf]  
A129973 16.5693  $-(5*x^2-2*x-1)*(x+1)^2/(x^2+x-1)/(x^3+x^2-1)$  lgdogf  
A129974 5.69789 [  $x*(385*x^5+167*x^4+385*x^3-1683*x^2-501*x-627)/(x-1)/$   
 $(x^6-6*x^3+1)$  ogf]  
A129975 5.69789 [  $x*(116*x^5+721*x^4+116*x^3-564*x^2-2163*x-132)/(x-1)/$   
 $(x^6-6*x^3+1)$  ogf]  
A129981 4.07961 [  $\{(n+4)*a(n+1)+(-n-4)*a(n+2)+a(n+4)-a(n+3), a(0) = 1, a(1) = 2,$   
 $a(2) = 4, a(3) = 7\}$ , ogf]  
A129982 11.3847 [  $-(x^5+x^4-x^3+x^2-1)/(x-1)/(x+1)/(x^4+x^2-1)$  ogf]  
A129982 8.64099  $-x*(2+3*x-7*x^3-4*x^2-2*x^4+6*x^5+4*x^6-3*x^7+2*x^8+x^9)/(x-1)/$   
 $(x+1)/(x^4+x^2-1)/(x^5+x^4-x^3+x^2-1)$  lgdogf  
A129983 5.42509  $(1-8*x+15*x^6-64*x^5+88*x^4-64*x^3+5*x^8+29*x^2)/(2*x-1)/$   
 $(x^4+2*x^3-5*x^2+4*x-1)/(x^5-x^4-6*x^3+9*x^2-5*x+1)$  lgdogf  
A129983 5.81921 [  $(x^5-x^4-6*x^3+9*x^2-5*x+1)/(2*x-1)/(x^4+2*x^3-5*x^2+4*x-1)$   
ogf]  
A129987 8.42843 [  $-(x^5+2*x^3-5*x^2+4*x-1)/(2*x-1)/(x^4+2*x^3-5*x^2+4*x-1)$  ogf]  
A129988 6.93466 [  $(x^5-3*x^4-x^3+5*x^2-4*x+1)/(2*x-1)/(x^4+2*x^3-5*x^2+4*x-1)$   
ogf]  
A129991 6.92823 [  $x*(21*x^5+199*x^4+21*x^3-103*x^2-597*x-23)/(x-1)/(x^6-6*x^3+1)$   
ogf]  
A129992 6.86798 [  $x*(15*x^5+97*x^4+15*x^3-73*x^2-291*x-17)/(x-1)/(x^6-6*x^3+1)$   
ogf]  
A129993 6.13862 [  $x*(19*x^5+161*x^4+19*x^3-93*x^2-483*x-21)/(x-1)/(x^6-6*x^3+1)$   
ogf]  
A129995 3.34830 [ -  
 $(25*x^9+1595*x^8+16490*x^7+51511*x^6+55969*x^5+22480*x^4+2970*x^3+165*x^2-6*x$   
 $+1)/(x-1)^{11}$  ogf]  
A129997 5.11862 [  $\{(-n+2)*a(n+1)+a(n+3)-4*a(n+2), a(0) = 0, a(1) = 1, a(2) = 4\}$ ,  
ogf]  
A129999 5.90442 [  $x*(25*x^5+287*x^4+25*x^3-123*x^2-861*x-27)/(x-1)/(x^6-6*x^3+1)$   
ogf]  
A130002 7.18549 [  $-(2*x^6+6*x^5-3*x^4-5*x^3+3*x-1)/(x-1)^2/(2*x-1)^2/(x+1)^2$   
ogf]  
A130002 7.69232  $-(1-2*x+10*x^6-6*x^5-37*x^4+32*x^3+16*x^7-6*x^2)/(x-1)/(2*x-1)/$   
 $(x+1)/(2*x^6+6*x^5-3*x^4-5*x^3+3*x-1)$  lgdogf  
A130004 6.74325 [  $x*(29*x^5+391*x^4+29*x^3-143*x^2-1173*x-31)/(x-1)/$   
 $(x^6-6*x^3+1)$  ogf]  
A130005 6.05591 [  $x*(33*x^5+511*x^4+33*x^3-163*x^2-1533*x-35)/(x-1)/$   
 $(x^6-6*x^3+1)$  ogf]  
A130013 6.05591 [  $x*(35*x^5+577*x^4+35*x^3-173*x^2-1731*x-37)/(x-1)/$   
 $(x^6-6*x^3+1)$  ogf]  
A130014 5.81788 [  $x*(41*x^5+799*x^4+41*x^3-203*x^2-2397*x-43)/(x-1)/$   
 $(x^6-6*x^3+1)$  ogf]  
A130017 5.84653 [  $x*(43*x^5+881*x^4+43*x^3-213*x^2-2643*x-45)/(x-1)/$   
 $(x^6-6*x^3+1)$  ogf]  
A130019 3.92352 [  $\{(2*n-2)*a(n+1)+(-n+9)*a(n+2)+a(n+4)-6*a(n+3), a(0) = 0, a(1) =$   
 $0, a(2) = 1, a(3) = 6\}$ , ogf]  
A130031 6.56355 [  $\{(n^2+3*n+1)*a(n+1)+a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A130032 6.95495 [  $\{(n^2+3*n+3)*a(n+1)-a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A130072 5.06545 [  $\{-a(n+3)+10*a(n+2)-31*a(n+1)+30*a(n), a(0) = 0, a(1) = 12, a(2)$   
 $= 90\}$ , ogf]  
A130072 9.32998  $-(-15+124*x-335*x^2+300*x^3)/(-1+3*x)/(2*x-1)/(-2+5*x)/(5*x-1)$   
lgdogf  
A130072 9.47729 [  $6*x*(5*x-2)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]

A130102 7.84771  $2*x*(-2-32*x^4+8*x^5+50*x^3-33*x^2+11*x)/(x-1)/(2*x-1)/(4*x^5-10*x^4+8*x^3-7*x^2+4*x-1)$  lgdogf  
A130102 8.05986  $[(4*x^5-10*x^4+8*x^3-7*x^2+4*x-1)/(2*x-1)/(x-1)^2$  ogf]  
A130103 14.6004  $(-1-x+4*x^2)/(x-1)/(-1+2*x)/(2*x^3-5*x^2+3*x-1)$  lgdogf  
A130103 4.83760  $[{a(n+5)-4*a(n+4)+5*a(n+3)-2*a(n+2), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 4, a(4) = 11}],$  ogf]  
A130103 9.54266  $[x*(2*x^3-5*x^2+3*x-1)/(2*x-1)/(x-1)^2$  ogf]  
A130104 10.2036  $(-2-4*x-12*x^3+4*x^4+7*x^2)/(x-1)/(2*x-1)/(2*x^3-5*x^2+3*x-1)$  lgdogf  
A130104 7.81016  $[-x*(2*x^3-5*x^2+3*x-1)/(2*x-1)/(x-1)^3$  ogf]  
A130129 15.9386  $[(4*x+1)/(2*x-1)^2$  ogf]  
A130129 20.6990  $-1/8*(-1-4*x+(1+24*x)^(1/2))/(x-1)$  revogf  
A130129 29.3236  $-8*(x+1)/(4*x+1)/(2*x-1)$  lgdogf  
A130129 8.74677  $[{-a(n+2)+4*a(n+1)-4*a(n), a(0) = 1, a(1) = 8}],$  ogf]  
A130130 10.9376  $[{-a(n+3)+a(n+2), a(0) = 0, a(1) = 1, a(2) = 2}],$  ogf]  
A130130 22.1420  $[-x*(x+1)/(x-1)$  ogf]  
A130130 27.9397  $-1/2-1/2*x+1/2*(1+6*x+x^2)^(1/2)$  revogf  
A130130 43.1330  $[[2-x]$  ogf\_with\_Euler\_transform]  
A130130 63.8621  $-2/(x-1)/(x+1)$  lgdogf  
A130137 11.1736  $[-(x^3+x+1)/(x^4-x^3+x^2+x-1)$  ogf]  
A130137 15.1244  $(-2+2*x+x^6+2*x^4+x^2)/(x^3+x+1)/(x^4-x^3+x^2+x-1)$  lgdogf  
A130145 13.3478  $[2*x^2+x+3$  ogf\_with\_Euler\_transform]  
A130145 3.88485  $[1/(x+1)/(x^2+x+1)^2/(x-1)^6$  ogf]  
A130145 7.22460  $-(3+8*x+11*x^3+14*x^2)/(-1+x)/(x+1)/(x^2+x+1)$  lgdogf  
A130151 12.5970  $[{a(n+3)+a(n), a(0) = 1, a(1) = 1, a(2) = 1}],$  ogf]  
A130151 19.5381  $[(x^2+x+1)/(x+1)/(x^2-x+1)$  ogf]  
A130151 23.0342  $(-(-1-2*x+3*x^2+2*x^3+x^4)/(x+1)/(1+x+x^2)/(x^2-x+1)$  lgdogf  
A130151 32.9424  $[x^5-2*x^2+1$  ogf\_with\_Euler\_transform]  
A130165 10.9666  $(-2+6*x+5*x^6+6*x^4+44*x^3+6*x^5+15*x^2)/(x-1)/(x+1)/(1+x^2)/(10*x^4+5*x^3+3*x^2+2*x+1)$  lgdogf  
A130165 14.7313  $[-(10*x^4+5*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A130175 10.3778  $[(x+1)*(x^4-x^3+x^2-x+1)*(x^20-x^15+2*x^11+x^10-2*x^6-x^5+2*x^4+2*x+1)/(x^4+x^3+x^2+x+1)/(x^20+x^15+x^10+x^5+1)/(x-1)^2$  ogf]  
A130183 4.37409  $[{(n^3+n^2-2*n)*a(n)+(-2*n^2-4*n-1)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = -1}],$  egf]  
A130195 24.2400  $[[2*x^3-4*x+3]$  ogf\_with\_Euler\_transform]  
A130195 9.16544  $[-(x+1)^2/(x-1)/(x^2+1)^2$  ogf]  
A130196 13.0433  $[{-a(n+3)+a(n), a(0) = 1, a(1) = 2, a(2) = 2}],$  ogf]  
A130196 17.3692  $(-2+4*x+2*x^4+4*x^3+3*x^2)/(x-1)/(x^2+x+1)/(2*x^2+2*x+1)$  lgdogf  
A130196 20.2305  $[-(2*x^2+2*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A130198 10.5450  $-x^2*(-x^4-4*x^3+2*x^5+8*x^2-6*x+3)/(-1+x)/(x^3-x+1)/(x^4+1)$  lgdogf  
A130198 7.54868  $[-x*(x^3-x+1)/(x-1)/(x^4+1)$  ogf]  
A130205 11.5170  $(-2+8*x-4*x^5+x^6+4*x^3+5*x^4+2*x^2)/(x-1)/(x^2+x+1)/(x^4-3*x^3+3*x^2+1)$  lgdogf  
A130205 9.49802  $[-(x^4-3*x^3+3*x^2+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A130213 15.8313  $-1/27*(-2-5*x+2*(1+x)^(1/2)*(4*x+1)^(1/2))/x$  revogf  
A130213 17.6312  $[12*x/(27*x-1)/(3*x-1)$  ogf]  
A130213 24.0200  $-6*(-5+27*x)/(27*x-1)/(3*x-1)$  lgdogf  
A130213 8.39583  $[{a(n+2)-30*a(n+1)+81*a(n), a(0) = 0, a(1) = 12}],$  ogf]  
A130214 11.4609  $-1/125*(-6-13*x+2*(3+4*x)^(1/2)*(1+3*x)^(1/2)*3^(1/2))/x$  revogf  
A130214 15.4746  $[60*x/(125*x-1)/(5*x-1)$  ogf]  
A130214 19.4487  $-10*(-13+125*x)/(125*x-1)/(5*x-1)$  lgdogf  
A130214 7.55735  $[{a(n+2)-130*a(n+1)+625*a(n), a(0) = 0, a(1) = 60}],$  ogf]  
A130215 10.0284  $-1/343*(-12-25*x+2*(3*x+2)^(1/2)*(3+8*x)^(1/2)*2^(1/2)*3^(1/2))/x$  revogf  
A130215 14.9947  $[168*x/(343*x-1)/(7*x-1)$  ogf]  
A130215 19.7530  $-14*(-25+343*x)/(343*x-1)/(7*x-1)$  lgdogf  
A130215 7.49733  $[{a(n+2)-350*a(n+1)+2401*a(n), a(0) = 0, a(1) = 168}],$  ogf]  
A130216 9.12508  $[-(3*x^8-2*x^7+x^4-2*x+3)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]

A130218 16.0528  $-( -3-2*x+2*x^3-12*x^2)/(x-1)/(x^3-5*x^2+2*x-1)$  lgdogf  
A130218 3.82224  $[ \{(345*n^2+2641*n+4818)*a(n+1)+(-567*n^2-2973*n-2820)*a(n+2)+(222*n^2+824*n+474)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 10\},$  ogf]  
A130218 8.65495  $[ (x^3-5*x^2+2*x-1)/(x-1)^5$  ogf]  
A130240 13.0274  $[ x*(x^24+x^8+x^3+2)/(x-1)^2$  ogf]  
A130240 13.0389  $(-4-3*x^2+x^3-8*x^7+6*x^8+22*x^24-24*x^23)/(x-1)/(x^24+x^8+x^3+2)$  lgdogf  
A130259 6.77327  $[ -x*(x^49+x^47-x^33-2*x^20-x^15-x^13-x^7-x^2-1)/(x-1)/(x^47-x^13-1)$  ogf]  
A130404 16.4148  $-2*(1+2*x+x^4-x^3+3*x^2)/(x-1)/(x+1)/(x^3-x^2+x+1)$  lgdogf  
A130404 9.84601  $[ -(x^3-x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A130423 10.8845  $[ (7*x^2-2*x+4)/(x-1)^4$  ogf]  
A130423 20.4549  $-2*(7+4*x+7*x^2)/(x-1)/(7*x^2-2*x+4)$  lgdogf  
A130423 3.69966  $[ \{(4*n+16)*a(n+4)+(-32-6*n)*a(n+3)+(10+9*n)*a(n+2)+(-21-7*n)*a(n+1), a(0) = 4, a(1) = 14, a(2) = 39, a(3) = 88\},$  ogf]  
A130424 12.9500  $-( -30-70*x+x^4+4*x^3-45*x^2)/(x-1)/(x^4-15*x^2-10*x-4)$  lgdogf  
A130424 8.01447  $[ (x^4-15*x^2-10*x-4)/(x-1)^5$  ogf]  
A130429 3.63723  $[ 10*x*(2826383*x^6+673617*x^5+20746383*x^4+25753617*x^3+2826383*x^2+673617*x+946500000)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A130431 23.6811  $-2/(-1+x)$  lgdogf  
A130446 10.9525  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 2\},$  ogf]  
A130446 110.124  $-2/(x-1)$  lgdogf  
A130446 27.2152  $[ 1/(x-1)^2$  ogf]  
A130446 38.3041  $4*x/(1+(4*x+1)^(1/2))^2$  revogf  
A130472 16.5120  $[ x/(x-1)/(x+1)^2$  ogf]  
A130472 35.2515  $[ [-1+2*x]$  ogf\_with\_Euler\_transform]  
A130472 41.1476  $-( -1+3*x)/(x-1)/(x+1)$  lgdogf  
A130472 6.69406  $[ \{a(n+3)+a(n+2)-a(n+1)-a(n), a(0) = 0, a(1) = -1, a(2) = 1\},$  ogf]  
A130481 15.8822  $[ x*(2*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A130481 21.2480  $-3*(x+1)*(2*x^2+1)/(x-1)/(2*x+1)/(x^2+x+1)$  lgdogf  
A130481 5.52004  $[ \{(-3*n-10)*a(n+1)-3*a(n+2)-3*a(n+3)+(3*n+7)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 3\},$  ogf]  
A130482 13.1015  $-(3+9*x+11*x^4+10*x^3+9*x^5+6*x^2)/(x-1)/(x+1)/(1+x^2)/(3*x^2+2*x+1)$  lgdogf  
A130482 13.9029  $[ x*(3*x^2+2*x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A130483 12.2246  $[ x*(4*x^3+3*x^2+2*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A130483 9.35986  $-(3+9*x+16*x^6+15*x^4+10*x^3+17*x^5+18*x^2+12*x^7)/(x-1)/(4*x^3+3*x^2+2*x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A130484 10.7414  $[ x*(5*x^4+4*x^3+3*x^2+2*x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A130484 7.33015  $-3*(1+3*x+6*x^2+10*x^3+5*x^4+7*x^5+8*x^6+5*x^9+8*x^7+7*x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(5*x^4+4*x^3+3*x^2+2*x+1)$  lgdogf  
A130485 9.83092  $[ x*(6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A130486 8.98458  $[ x*(7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A130487 8.03968  $[ x*(8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A130488 7.27349  $[ x*(9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A130489 6.66294  $[ x*(10*x^9+9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A130490 6.16939  $[ x*(11*x^10+10*x^9+9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A130496 20.0409  $[ 2*x^5/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A130496 20.5954  $-(1+x+x^2+x^3+6*x^4)/(x-1)/(1+x+x^2+x^3+x^4)$  lgdogf  
A130496 35.9668  $[ [x^4+1]$  ogf\_with\_Euler\_transform]  
A130497 10.1820  $-(1+x+x^2+x^3+11*x^4+x^5+x^6+x^7+x^8+x^9)/(x-1)/(x+1)/(1+x$

$(x^2+x^3+x^4)/(x^4-x^3+x^2-x+1)$  lgdogf  
A130497 16.2039 [  $(x^4-x^3+x^2-x+1)*(x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A130497 31.7548 [- $x^9+2*x^4+1$  ogf\_with\_Euler\_transform]  
A130505 10.3653 [  $\{-a(n+2)+18*a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A130505 15.3729  $1/6*2^{(1/2)}*(-\ln(1+2^{(1/2)}))+\operatorname{arcsinh}(1+6*x)$  revogf  
A130505 16.0416 [  $-(3*x+1)/(18*x^2-1)$  ogf]  
A130505 17.8658  $-3*(1+12*x+18*x^2)/(1+3*x)/(18*x^2-1)$  lgdogf  
A130507 29.2190 [  $[-x^4+2*x^3]$  ogf\_with\_Euler\_transform]  
A130507 7.25797 [  $-x^2*(x^4+x^3+x^2+x+1)/(x-1)/(x+1)^2/(x^2+1)^2$  ogf]  
A130508 11.8828 [  $(2*x^3-2*x^2+x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A130508 4.99948 [  $\{(n+4)*a(n+1)+a(n+2)+a(n+3)+(-n-3)*a(n+4), a(0) = 2, a(1) = 3, a(2) = 1, a(3) = 5\}$ , ogf]  
A130508 7.85971  $-(3-x+2*x^5-2*x^4+3*x^3+13*x^2)/(-1+x)/(x^2+x+1)/(2*x^3-2*x^2+x+2)$  lgdogf  
A130509 7.74241 [  $(x^3+x^2-2*x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
A130509 8.10533  $-(1+3*x+x^5+3*x^4-4*x^3+14*x^2)/(-1+x)/(x^2+x+1)/(x^3+x^2-2*x+3)$  lgdogf  
A130518 14.7971 [  $-x^3/(x^2+x+1)/(x-1)^3$  ogf]  
A130518 27.9780  $-(2+2*x+5*x^2)/(x-1)/(x^2+x+1)$  lgdogf  
A130518 33.5989 [  $[x^2+2]$  ogf\_with\_Euler\_transform]  
A130518 5.23872 [  $\{(n+3)*a(n+1)+2*a(n+2)+2*a(n+3)+(-n-1)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A130519 14.9880 [  $-x^4/(x+1)/(x^2+1)/(x-1)^3$  ogf]  
A130519 20.3409  $-a(n+4)+a(n), a(0)=2, a(1)=2, a(2)=2, a(3)=6$  lgdogf  
A130519 34.0380 [  $[x^3+2]$  ogf\_with\_Euler\_transform]  
A130520 14.8281 [  $-x^5/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A130520 16.9868  $-(2+2*x+2*x^2+2*x^3+7*x^4)/(x-1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A130520 33.6774 [  $[x^4+2]$  ogf\_with\_Euler\_transform]  
A130532 8.61994 [  $-(5*x^{10}+2*x^9+7*x^8+x^7+3*x^6+5*x^5+4*x^4+4*x^3+5*x^2+3*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A130543 115.955  $-1/(x-1)$  lgdogf  
A130543 31.9876 [  $-x^4/(x-1)$  ogf]  
A130543 8.91961 [  $\{-a(n+5)+a(n+4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1\}$ , ogf]  
A130544 6.99261 [  $x^5*(x^{19}-x^{18}+x^{13}-x^{12}+2*x^9-2*x^8+x^5+2*x^4-3*x^3+x^2-x-1)/(x-1)$  ogf]  
A130563 4.94244 [  $\{(-2*n^2-21*n-55)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 36\}$ , ogf]  
A130563 9.44560  $-9*(8+84*x+35*x^3+140*x^2)/(-1+2*x)/(35*x^3+105*x^2+42*x+2)$  lgdegf  
A130564 52.3157  $-x*(x-1)^5$  revogf  
A130565 54.1458  $x*(x-1)^6$  revogf  
A130566 12.8129 [  $(44*x+1)/(x-1)^4$  ogf]  
A130566 28.8874  $-12*(4+11*x)/(44*x+1)/(x-1)$  lgdogf  
A130566 5.02786 [  $\{(n+3)*a(n+3)+(38+43*n)*a(n+2)+(-176-44*n)*a(n+1), a(0) = 1, a(1) = 48, a(2) = 186\}$ , ogf]  
A130567 10.6106 [  $-(2*x^2-7*x+2)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A130567 5.77067 [  $\{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 2, a(1) = 7, a(2) = 23\}$ , ogf]  
A130567 9.48741  $-(7-52*x+16*x^4-112*x^3+132*x^2)/(x-1)/(2*x-1)/(4*x-1)/(2*x^2-7*x+2)$  lgdogf  
A130578 11.7565 [  $x^2/(x-1)/(x^2-x+1)/(x^2+x-1)$  ogf]  
A130578 12.5085  $-(3+6*x-3*x^2-4*x^3+5*x^4)/(x-1)/(x^2-x+1)/(x^2+x-1)$  lgdogf  
A130608 6.80774 [  $x*(24*x^5+119*x^4+24*x^3-116*x^2-357*x-28)/(x-1)/(x^6-6*x^3+1)$  ogf]  
A130609 6.92823 [  $x*(28*x^5+167*x^4+28*x^3-136*x^2-501*x-32)/(x-1)/(x^6-6*x^3+1)$  ogf]  
A130610 5.90442 [  $x*(36*x^5+287*x^4+36*x^3-176*x^2-861*x-40)/(x-1)/(x^6-6*x^3+1)$  ogf]  
A130612 3.24528 [  $\{-a(n+3)+1110*a(n+2)-111000*a(n+1)+1000000*a(n), a(0) = 1, a(1) = 385, a(2) = 338350\}$ , ogf]

A130612 5.32867 [  $-(22000x^2-725x+1)/(100x-1)/(1000x-1)/(10x-1)$  ogf]  
A130619 4.48418 [  $\{a(n+1)+(n+4)a(n+3)-a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6\}$ , ogf]  
A130624 12.4037 [  $-x*(2x+1)/(2x-1)/(x^2-x+1)$  ogf]  
A130624 16.9906 [  $(-5-6x+8x^3)/(1+2x)/(-1+2x)/(x^2-x+1)$  lgdogf  
A130624 6.36947 [  $\{a(n+3)-3a(n+2)+3a(n+1)-2a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$ , ogf]  
A130625 11.4199 [  $(-4+10x+4x^4-4x^3-9x^2)/(x-1)/(1+2x)/(-1+2x)/(x^2-x+1)$  lgdogf  
A130625 11.6472 [  $(2x+1)*(x-1)/(2x-1)/(x^2-x+1)$  ogf]  
A130625 6.34354 [  $\{a(n+3)-3a(n+2)+3a(n+1)-2a(n), a(0) = 1, a(1) = 4, a(2) = 7\}$ , ogf]  
A130626 11.1798 [  $(-3-10x+8x^4-24x^3+24x^2)/(-1+2x)/(x^2-x+1)/(4x^2-6x+3)$  lgdogf  
A130626 11.5903 [  $(-4x^2-6x+3)/(2x-1)/(x^2-x+1)$  ogf]  
A130626 6.31260 [  $\{a(n+3)-3a(n+2)+3a(n+1)-2a(n), a(0) = 3, a(1) = 3, a(2) = 4\}$ , ogf]  
A130630 4.27517 [  $-(x^4+x^3+x^2+x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A130630 9.52572 [  $x^8-x^4+1$  ogf\_with\_Euler\_transform]  
A130645 6.77283 [  $x*(40x^5+359x^4+40x^3-196x^2-1077x-44)/(x-1)/(x^6-6x^3+1)$  ogf]  
A130646 5.73190 [  $x*(52x^5+623x^4+52x^3-256x^2-1869x-56)/(x-1)/(x^6-6x^3+1)$  ogf]  
A130647 5.78922 [  $x*(56x^5+727x^4+56x^3-276x^2-2181x-60)/(x-1)/(x^6-6x^3+1)$  ogf]  
A130651 4.31018 [  $-x^4*(3x-1)/(6x-1)/(4x-1)^2/(2x-1)^3$  ogf]  
A130651 6.92456 [  $(-17+184x+720x^3-636x^2)/(6x-1)/(-1+3x)/(2x-1)/(4x-1)$  lgdogf  
A130652 11.1558 [  $(11x+9)/(11x-1)/(x-1)$  ogf]  
A130652 11.3944 [  $-1/22*(-9-12x+(81+260x+100x^2)^{1/2})/(x-1)$  revogf  
A130652 11.6476 [  $(-119+198x+121x^2)/(x-1)/(11x+9)/(11x-1)$  lgdogf  
A130652 6.22648 [  $\{-a(n+2)+12a(n+1)-11a(n), a(0) = 9, a(1) = 119\}$ , ogf]  
A130656 10.2661 [  $-4*(1+8x+19x^3+6x^4+3x^5+11x^2)/(x-1)/(x+1)/(4x^4+5x^3+11x^2+3x+1)$  lgdogf  
A130656 7.13555 [  $(4x^4+5x^3+11x^2+3x+1)/(x+1)^3/(x-1)^4$  ogf]  
A130657 5.34152 [  $x^6-x^3+1$  ogf\_with\_Euler\_transform]  
A130658 17.3911 [  $-(2x^2+1)/(x-1)/(x^2+1)$  ogf]  
A130658 23.1590 [  $(1+2x+2x^4+x^2)/(x-1)/(1+2x^2)/(1+x^2)$  lgdogf  
A130658 8.85083 [  $\{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A130659 14.5465 [  $-2*(1+4x+4x^5+3x^4+2x^3)/(-1+x)/(x+1)/(1+x^2)/(4x^2+2x+1)$  lgdogf  
A130659 15.4664 [  $-x*(4x^2+2x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A130668 6.61495 [  $x^2*(x+1)*(3x^3+4x^2+3x+1)/(2x^2+2x+1)/(2x+1)^2$  ogf]  
A130668 7.97176 [  $(-2+10x+12x^4+22x^3+4x^5+21x^2)/(2x+1)/(x+1)/(2x^2+2x+1)/(3x^3+4x^2+3x+1)$  lgdogf  
A130683 20.6111 [  $4/(2x-1)^2$  egf]  
A130683 7.64231 [  $\{(-2n-6)a(n+1)+a(n+2), a(0) = 4, a(1) = 16\}$ , ogf]  
A130692 11.3790 [  $-9x^9/(10x^9-1)/(x-1)^2$  ogf]  
A130692 20.2729 [  $-2*(-1-45x^8+55x^9)/(x-1)/(10x^9-1)$  lgdogf  
A130694 5.36012 [  $(-2x^{20}-2x^{19}+x^{16}-x^{15}+x^{14}-x^{13}+4x^9-4x^8+2x^6-x^5+x^4+6x^3-7x^2+66x-68)/(x-1)^2$  ogf]  
A130706 10.2387 [  $\{a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A130706 108.075 [  $2/(1+2x)$  lgdogf  
A130706 46.3180 [  $2x/(1+(1+4x)^{1/2})$  revegf  
A130707 12.0821 [  $(x^2+x-1)/(2x-1)/(x^2-x+1)$  ogf]  
A130707 13.3871 [  $-2*(x-1)*(x^3+3x^2-3x+1)/(2x-1)/(x^2-x+1)/(x^2+x-1)$  lgdogf  
A130707 6.58044 [  $\{a(n+3)-3a(n+2)+3a(n+1)-2a(n), a(0) = 1, a(1) = 2, a(2) = 2\}$ , ogf]  
A130713 138.954 [  $2/(x+1)$  lgdogf  
A130713 24.5489 [  $[2-2x]$  ogf\_with\_Euler\_transform]  
A130713 7.82712 [  $\{-a(n+3), a(0) = 1, a(1) = 2, a(2) = 1\}$ , ogf]

A130716 16.5702  $[[-x^2+1] \text{ ogf\_with\_Euler\_transform}]$   
A130716 57.2163  $(1+2*x)/(x^2+1+x) \text{ lgdogf}$   
A130716 6.29288  $[{-a(n+3), a(0) = 1, a(1) = 1, a(2) = 1}], \text{ ogf}]$   
A130717 14.3685  $-(1+3*x+2*x^6+3*x^5+3*x^4+2*x^3+6*x^2)/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1) \text{ lgdogf}$   
A130717 28.6463  $[-x^4+2*x^3-1 \text{ ogf\_with\_Euler\_transform}]$   
A130717 7.93328  $[ x*(x^4+x^3+x^2+x+1)/(x+1)^2/(x^2+1)^2 \text{ ogf}]$   
A130722 12.6058  $[ x^3*(x^2+x+1)/(x^2+1)/(x-1)^2/(x+1)^2 \text{ ogf}]$   
A130722 14.7717  $-(1+4*x+5*x^4+8*x^3+4*x^5+2*x^2)/(x-1)/(x+1)/(1+x^2)/(x^2+1+x) \text{ lgdogf}$   
A130722 22.3801  $[1+x-1/2*x^2+1/6*x^3 \text{ egf\_with\_Euler\_transform}]$   
A130723 6.92223  $[ -3*(x^8+x^7+7*x^6+10*x^5+4*x^4+10*x^3+7*x^2+x+1)/(x-1)^3/(x^2+x+1)^3 \text{ ogf}]$   
A130724 10.7076  $[ x*(3*x^4+6*x^3+x^2+6*x+3)/(x-1)^2/(x^2+x+1)^2 \text{ ogf}]$   
A130724 6.49199  $[{(-n-4)*a(n+1)+(n+1)*a(n+4), a(0) = 0, a(1) = 3, a(2) = 6, a(3) = 1}], \text{ ogf}]$   
A130727 14.9584  $[ -(x^2-2*x-1)/(x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A130727 16.5786  $-(x+1)*(2*x^3-7*x^2+2*x-3)/(x-1)/(x^2+x+1)/(x^2-2*x-1) \text{ lgdogf}$   
A130727 5.56380  $[{(n+5)*a(n+1)+a(n+2)+a(n+3)+(-n-4)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 2, a(3) = 3}], \text{ ogf}]$   
A130731 18.0112  $[ -(2*x+1)/(x-1)/(x+1)/(x^2+1) \text{ ogf}]$   
A130731 20.8998  $-2*(1+2*x^3+3*x^4)/(x-1)/(2*x+1)/(x+1)/(1+x^2) \text{ lgdogf}$   
A130734 7.96204  $[ -x*(5*x^9+10*x^9+40*x^9+35*x^8+30*x^7+25*x^6+20*x^5+15*x^4+10*x^3+6*x^2+3*x+1)/(15*x^9-10*x^9-40*x^11+45*x^10-x^4-x^3-x^2-x-1) \text{ ogf}]$   
A130744 26.7944  $-2*(x-4)/(x-1)/(x-3) \text{ lgdegf}$   
A130744 3.24239  $[{(-n^2-4*n-4)*a(n+1)+(-3*n^2-20*n-33)*a(n+2)+(6+3*n)*a(n+3), a(0) = 0, a(1) = 3, a(2) = 16}], \text{ ogf}]$   
A130744 9.55651  $[ x*(x-3)/(x-1)^3 \text{ egf}]$   
A130748 10.3531  $[ -(x^3-4*x^2-4*x-17)/(x-1)^4 \text{ ogf}]$   
A130748 16.8722  $-(-72-20*x+x^3-5*x^2)/(-1+x)/(x^3-4*x^2-4*x-17) \text{ lgdogf}$   
A130750 12.0491  $[ -(2*x^2+1)/(2*x-1)/(x^2-x+1) \text{ ogf}]$   
A130750 16.0253  $-(3-2*x+4*x^4)/(2*x-1)/(x^2-x+1)/(2*x^2+1) \text{ lgdogf}$   
A130750 6.13212  $[{a(n+3)-3*a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 3, a(2) = 8}], \text{ ogf}]$   
A130752 14.0221  $-(-5+12*x+4*x^3-15*x^2)/(-2+x)/(2*x-1)/(x^2-x+1) \text{ lgdogf}$   
A130752 14.6458  $[ (x-2)/(2*x-1)/(x^2-x+1) \text{ ogf}]$   
A130752 6.93058  $[{a(n+3)-3*a(n+2)+3*a(n+1)-2*a(n), a(0) = 2, a(1) = 5, a(2) = 9}], \text{ ogf}]$   
A130755 11.0338  $-(4-10*x+8*x^4-20*x^3+21*x^2)/(2*x-1)/(x^2-x+1)/(4*x^2-5*x+3) \text{ lgdogf}$   
A130755 11.2590  $[ -(4*x^2-5*x+3)/(2*x-1)/(x^2-x+1) \text{ ogf}]$   
A130755 6.13212  $[{-a(n+3)+3*a(n+2)-3*a(n+1)+2*a(n), a(0) = 3, a(1) = 4, a(2) = 7}], \text{ ogf}]$   
A130759 10.4895  $[ -(x^2+x-1)/(2*x-1)/(x-1)/(x^2-x+1) \text{ ogf}]$   
A130759 10.5939  $-(3-14*x+4*x^5+x^4-18*x^3+25*x^2)/(x-1)/(2*x-1)/(x^2-x+1)/(x^2+x-1) \text{ lgdogf}$   
A130764 5.61502  $[ -(64*x-65)/(x-1)^2 \text{ ogf}]$   
A130764 6.60194  $-1/2*(-65-2*x+(4225+4*x)^(1/2))/(64+x) \text{ revogf}$   
A130764 8.36246  $-2*(-33+32*x)/(-1+x)/(64*x-65) \text{ lgdogf}$   
A130765 10.8603  $-2*(-49+48*x)/(-1+x)/(96*x-97) \text{ lgdogf}$   
A130765 4.03383  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 97, a(1) = 98}], \text{ ogf}]$   
A130765 7.20940  $[ -(96*x-97)/(x-1)^2 \text{ ogf}]$   
A130765 8.57395  $-1/2*(-97-2*x+(9409+4*x)^(1/2))/(96+x) \text{ revogf}$   
A130766 12.1073  $-(1+x+10*x^3+2*x^4+2*x^5+3*x^6+x^7+4*x^2)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+1) \text{ lgdogf}$   
A130766 13.8615  $[ (x^4+x^3+1)/(x+1)/(x^2+1)/(x-1)^2 \text{ ogf}]$   
A130770 6.25621  $-(1+14*x+48*x^7+102*x^5+99*x^4+2*x^9+21*x^8+x^10+24*x^3+39*x^2+27*x^6)/(x-1)/(x^2+x+1)/(x^8+x^7+7*x^6+10*x^5+4*x^4+10*x^3+7*x^2+x+1) \text{ lgdogf}$   
A130770 7.31914  $[ -(x^8+x^7+7*x^6+10*x^5+4*x^4+10*x^3+7*x^2+x+1)/(x-1)^3/(x^2+x$

+1)^3 ogf]  
A130772 10.2602 [x^5-x^2-x+1 ogf\_with\_Euler\_transform]  
A130772 10.3135 [ 2/(x^2-x+1) ogf]  
A130772 24.9935 -(2\*x-1)/(x^2-x+1) lgdogf  
A130772 4.15056 [{-a(n+2)+a(n+1)-a(n), a(0) = 2, a(1) = 2}], ogf]  
A130773 17.2751 [-x\*(x+1)\*(x-2)/(x-1)^2 ogf]  
A130773 37.3804 -(-5+x)/(-1+x)/(x-2)/(x+1) lgdogf  
A130773 8.71397 [{-a(n+4)+2\*a(n+3)-a(n+2), a(0) = 0, a(1) = 2, a(2) = 5, a(3) = 7}], ogf]  
A130778 5.42443 [{a(n+3)-2\*a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = -1, a(2) = -3}], ogf]  
A130778 7.68299 -(-1-2\*x+x^4-6\*x^3+7\*x^2)/(-1+x)/(x^2-3\*x+1)/(x^2-x+1) lgdogf  
A130778 9.95961 [ -(x^2-3\*x+1)/(x-1)/(x^2-x+1) ogf]  
A130779 51.1936 (4\*x+1)/(2\*x^2+1+x) lgdogf  
A130779 7.82712 [{-a(n+3), a(0) = 1, a(1) = 1, a(2) = 2}], ogf]  
A130781 11.8652 [ -(2\*x^2-2\*x+1)/(2\*x-1)/(x^2-x+1) ogf]  
A130781 12.2378 -(1-2\*x+4\*x^4-8\*x^3+6\*x^2)/(2\*x-1)/(x^2-x+1)/(2\*x^2-2\*x+1) lgdogf  
A130781 6.46230 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-2\*a(n), a(0) = 1, a(1) = 1, a(2) = 2}], ogf]  
A130782 12.7009 -(1+4\*x+x^8+6\*x^6+4\*x^5+2\*x^7+5\*x^4+4\*x^3+3\*x^2)/(-1+x)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(1+x^2) lgdogf  
A130782 18.0765 [ -(x^2+1)\*(x^2+x+1)/(x-1)/(x^4+x^3+x^2+x+1) ogf]  
A130782 28.6083 [x^4-x^3-x^2+x+1 ogf\_with\_Euler\_transform]  
A130784 10.2567 [{-a(n+3)+a(n), a(0) = 1, a(1) = 3, a(2) = 2}], ogf]  
A130784 13.3630 -(3+4\*x+2\*x^4+6\*x^3+3\*x^2)/(-1+x)/(2\*x+1)/(x+1)/(x^2+x+1) lgdogf  
A130784 15.9084 [ -(x+1)\*(2\*x+1)/(x-1)/(x^2+x+1) ogf]  
A130785 14.6458 [ -(x+1)/(2\*x-1)/(x^2-x+1) ogf]  
A130785 6.93058 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-2\*a(n), a(0) = 1, a(1) = 4, a(2) = 9}], ogf]  
A130785 6.98856 -(4-6\*x+4\*x^3+3\*x^2)/(2\*x-1)/(x+1)/(x^2-x+1) lgdogf  
A130793 12.3007 [{-a(n+3)+a(n), a(0) = 1, a(1) = 3, a(2) = 5}], ogf]  
A130793 15.8005 -(3+10\*x+5\*x^4+6\*x^3+3\*x^2)/(-1+x)/(x^2+x+1)/(5\*x^2+3\*x+1) lgdogf  
A130793 19.0786 [ -(5\*x^2+3\*x+1)/(x-1)/(x^2+x+1) ogf]  
A130794 12.3007 [{-a(n+3)+a(n), a(0) = 1, a(1) = 5, a(2) = 3}], ogf]  
A130794 15.8005 -(5+6\*x+3\*x^4+10\*x^3+3\*x^2)/(-1+x)/(x^2+x+1)/(3\*x^2+5\*x+1) lgdogf  
A130794 19.0786 [ -(3\*x^2+5\*x+1)/(x-1)/(x^2+x+1) ogf]  
A130806 12.6020 -1/2\*(-1-x+(1+14\*x-3\*x^2)^(1/2))/(-3+x) revogf  
A130806 14.8933 -(-4+2\*x+3\*x^2)/(1+3\*x)/(x^2-x+1) lgdogf  
A130806 5.03466 [{-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 4}], ogf]  
A130806 9.17427 [ (3\*x+1)/(x^2-x+1) ogf]  
A130809 15.4767 [ 8/(x-1)^4 ogf]  
A130809 7.22245 [{(-n-2)\*a(n+2)+(5+n)\*a(n+1), a(0) = 8, a(1) = 32}], ogf]  
A130809 92.9628 -4/(x-1) lgdogf  
A130810 12.2835 [ -16/(x-1)^5 ogf]  
A130810 6.95292 [{(-n-2)\*a(n+2)+(6+n)\*a(n+1), a(0) = 16, a(1) = 80}], ogf]  
A130810 90.3630 -5/(x-1) lgdogf  
A130811 10.0557 [ 32/(x-1)^6 ogf]  
A130811 6.48453 [{(-n-2)\*a(n+2)+(7+n)\*a(n+1), a(0) = 32, a(1) = 192}], ogf]  
A130811 85.0300 -6/(x-1) lgdogf  
A130812 7.27921 [{(-n-2)\*a(n+2)+(8+n)\*a(n+1), a(0) = 64, a(1) = 448}], ogf]  
A130812 81.1601 -7/(x-1) lgdogf  
A130812 9.98558 [ -64/(x-1)^7 ogf]  
A130813 6.30696 [{(-n-2)\*a(n+2)+(9+n)\*a(n+1), a(0) = 128, a(1) = 1024}], ogf]  
A130813 7.81203 [ 128/(x-1)^8 ogf]  
A130813 84.3033 -8/(x-1) lgdogf  
A130815 13.9704 [ (4\*x+1)/(x^2-x+1) ogf]  
A130815 20.1454 -1/2\*(-1-x+(1+18\*x-3\*x^2)^(1/2))/(x-4) revogf  
A130815 23.1977 -(-5+2\*x+4\*x^2)/(4\*x+1)/(x^2-x+1) lgdogf



A130815 7.66671 [  $\{-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A130823 15.8328  $-(1+x+7x^2+x^3+x^4+x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A130823 15.8571 [  $(x+1)*(x^2-x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A130823 31.0689 [-x^5+2\*x^2+1 ogf\_with\_Euler\_transform]  
A130823 7.28915 [  $\{-a(n+4)+a(n+3)+a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3\}$ , ogf]  
A130824 17.3920 [  $2*x*(x+1)/(x-1)^2$  ogf]  
A130824 31.1101  $-(-1-x+(4*x+1)^{(1/2)})/(x-2)$  revogf  
A130824 40.4110 [[3-x] ogf\_with\_Euler\_transform]  
A130824 46.6652  $-(x+3)/(x-1)/(x+1)$  lgdogf  
A130824 8.43768 [  $\{a(n+3)-2*a(n+2)+a(n+1), a(0) = 0, a(1) = 2, a(2) = 6\}$ , ogf]  
A130840 5.10372 [  $-(x^7-3*x^6+3*x^5-x^4+4*x^3-6*x^2+4*x-1)/(2*x-1)/(x-1)^3$  ogf]  
A130842 7.97575  $(5-3*x+1040*x^{12}-15*x^3+6*x^4-2000*x^{13}+960*x^{14}+9*x^2)/(x-1)/(80*x^{14}-80*x^{13}+3*x^4-3*x^3+3*x^2-3*x-1)$  lgdogf  
A130842 9.20365 [  $-2*(80*x^{14}-80*x^{13}+3*x^4-3*x^3+3*x^2-3*x-1)/(x-1)^2$  ogf]  
A130844 9.73768 [  $-x*(4*x^2-x+3)/(x+1)/(x^3-2*x^2+3*x-1)$  ogf]  
A130844 9.86827  $-(5+14*x+14*x^3-7*x^4+8*x^5-18*x^2)/(x+1)/(4*x^2-x+3)/(x^3-2*x^2+3*x-1)$  lgdogf  
A130845 26.0770 [-x^4+2\*x^3+1 ogf\_with\_Euler\_transform]  
A130845 9.09029  $-(1+2*x+5*x^6+6*x^5+4*x^7+12*x^3+3*x^2+7*x^4)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A130845 9.36737 [  $x^3*(x^4+x^3+x^2+x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A130848 11.6752 [  $\{-a(n+2)+a(n+1)-a(n), a(0) = 2, a(1) = 5\}$ , ogf]  
A130848 21.2749 [  $(3*x+2)/(x^2-x+1)$  ogf]  
A130848 30.1216  $-1/2*(-2-x+(4+16*x-3*x^2)^{(1/2)})/(-3+x)$  revogf  
A130848 35.5983  $-(-5+4*x+3*x^2)/(3*x+2)/(x^2-x+1)$  lgdogf  
A130857 33.6912  $-(5*x-17)/(x-1)/(x-3)$  lgdogf  
A130857 4.75617 [  $\{(-6-3*n)*a(n+3)+(21+4*n)*a(n+2)+(-5-n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 17\}$ , ogf]  
A130857 8.54977 [  $-x*(x-3)/(x-1)^6$  ogf]  
A130859 15.9912 [  $-(1726*x+1)/(x-1)^3$  ogf]  
A130859 28.4214  $-(1729+3452*x)/(1726*x+1)/(x-1)$  lgdogf  
A130859 7.58905 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 1729, a(2) = 5184\}$ , ogf]  
A130861 13.6353 [  $x*(5*x-9)/(x-1)^3$  ogf]  
A130861 29.4511  $-2*(-11+5*x)/(x-1)/(5*x-9)$  lgdogf  
A130861 6.93941 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 9, a(2) = 22\}$ , ogf]  
A130862 14.2583 [  $x*(11*x^2-35*x+30)/(x-1)^4$  ogf]  
A130862 26.1437  $-(85-83*x+22*x^2)/(-1+x)/(11*x^2-35*x+30)$  lgdogf  
A130862 5.18483 [  $\{(90+30*n)*a(n+4)+(-215-65*n)*a(n+3)+(129+46*n)*a(n+2)+(-22-11*n)*a(n+1), a(0) = 0, a(1) = 30, a(2) = 85, a(3) = 171\}$ , ogf]  
A130863 10.2036  $-2*(x-2)*(7*x^2-22*x+25)/(-1+x)/(7*x^3-31*x^2+50*x-30)$  lgdogf  
A130863 5.97019 [  $x*(7*x^3-31*x^2+50*x-30)/(x-1)^5$  ogf]  
A130869 10.9972  $-(7-24*x+36*x^2-26*x^3+6*x^4)/(x-1)/(x-2)/(-1+2*x)/(x^2-x+1)$  lgdogf  
A130869 11.0400 [  $-(x-2)/(2*x-1)/(x-1)/(x^2-x+1)$  ogf]  
A130875 9.35182 [  $-(9*x^9+7*x^8+x^7+3*x^6+x^5+x^4+3*x^3+x^2+7*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A130876 11.8554 [  $-(x^2+1727*x+1)/(x-1)^3$  ogf]  
A130876 19.0963  $-(1730+3456*x+x^2)/(x-1)/(x^2+1727*x+1)$  lgdogf  
A130876 6.43003 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 1730, a(2) = 5188\}$ , ogf]  
A130877 14.8171 [  $x*(4*x+5)/(x+1)/(x-1)^2$  ogf]  
A130877 23.7826  $-(9+19*x+8*x^2)/(4*x+5)/(x-1)/(x+1)$  lgdogf  
A130877 7.60876 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 9\}$ , ogf]  
A130881 10.5211 [  $x*(x^6+6*x^4-6*x^3+7*x+1)/(x+1)/(x-1)^2$  ogf]  
A130881 11.3510  $(-8-10*x-18*x^3-6*x^4-x^6+3*x^7+4*x^2)/(x-1)/(x+1)/(x^6+6*x^4-6*x^3+7*x+1)$  lgdogf  
A130883 12.1064 [  $-(4*x^2-x+1)/(x-1)^3$  ogf]

A130883 21.2725  $-2*(x+1)*(2*x+1)/(x-1)/(4*x^2-x+1)$  lgdogf  
A130883 6.59368  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 7\},$   
ogf ]  
A130884 15.6372  $-(x+1)*(x^2+28*x+7)/(x-1)/(x^3+13*x^2+3*x+1)$  lgdogf  
A130884 9.00474  $[ (x^3+13*x^2+3*x+1)/(x-1)^4$  ogf ]  
A130885 15.3693  $-(17+45*x+9*x^2+x^3)/(x-1)/(x^3+3*x^2+13*x+1)$  lgdogf  
A130885 9.05068  $[ (x^3+3*x^2+13*x+1)/(x-1)^4$  ogf ]  
A130886 6.73227  $[ -(3*x^4+32*x^3+54*x^2+6*x+1)/(x-1)^5$  ogf ]  
A130886 9.68827  $-(11+132*x+258*x^2+76*x^3+3*x^4)/(x-1)/(3*x^4+32*x^3+54*x^2+6*x$   
 $+1)$  lgdogf  
A130893 8.49963  $[ -(2*x^6+7*x^5-6*x^4+3*x^3+x^2+2*x+1)/(x-1)/(x^2+1)/(x^4-x^2+1)$   
ogf ]  
A130896 7.41746  $[ -(x^9+x^8+x^7-4*x^6-4*x^5-4*x^4+3*x^3+4*x^2+3*x+3)/(x-1)^3/(x$   
 $+1)^3/(x^2+1)^3$  ogf ]  
A130901 4.51180  $[ -(5*x^7+2*x^6-2*x^5-16*x^4+3*x^3-5*x^2-15*x-1)/(x-1)/(10*x-1)/$   
 $(x+1)/(x^2-x+1)$  ogf ]  
A130902 5.18445  $[ x^3*(x^6+x^5-x^4+x^3+x^2-3*x-1)/(2*x-1)/(x^{10}+x^7-2*x^5-x^4-$   
 $x^2-x+1)$  ogf ]  
A130905 3.15788  $[ \{(n^2+5*n+6)*a(n+1)+(-n-3)*a(n+2)+(-n-4)*a(n+3)+a(n+4), a(0) =$   
 $1, a(1) = 1, a(2) = 3, a(3) = 9\},$  ogf ]  
A130906 19.0749  $1/2*(-2-x^2+x^3)/(-1+x)$  lgdegf  
A130906 4.20441  $[ \{-a(n)+a(n+1)+(2*n+8)*a(n+3)+(-2*n-8)*a(n+4), a(0) = 1, a(1) =$   
 $1, a(2) = 1, a(3) = 7/6, a(4) = 7/6\},$  egf ]  
A130907 12.3976  $4-2*x^2+(-4+2*x+x^2)*f(x)+(1-x)*f(x)^2$  lgdegf  
A130907 3.11541  $[ \{(n^2+5*n+6)*a(n+1)+(-n-5)*a(n+3)+a(n+4), a(0) = 1, a(1) = 2,$   
 $a(2) = 6, a(3) = 22\},$  ogf ]  
A130908 4.64096  $[ \{(-2*n-10)*a(n+5)+(12+2*n)*a(n+4)-a(n+2)-a(n+1), a(0) = 1, a(1)$   
 $= 2, a(2) = 3, a(3) = 23/6, a(4) = 53/12\},$  egf ]  
A130909 5.74976  $[ -$   
 $x*(15*x^{14}+14*x^{13}+13*x^{12}+12*x^{11}+11*x^{10}+10*x^9+9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+$   
 $4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf ]  
A130910 4.78442  $[ -$   
 $x*(15*x^{14}+14*x^{13}+13*x^{12}+12*x^{11}+11*x^{10}+10*x^9+9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+$   
 $4*x^3+3*x^2+2*x+1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf ]  
A130915 25.0143  $-x*(x+2)/(x-1)/(x+1)$  lgdegf  
A130915 3.12598  $[ \{(-n^2-7*n-12)*a(n+1)+(-n^2-7*n-12)*a(n+2)+a(n+4), a(0) = 0,$   
 $a(1) = 0, a(2) = 2, a(3) = 0\},$  ogf ]  
A130917 6.36256  $[ (5*x^5+x^4+2*x^3+x^2-x+1)/(x+1)/(x^2-x+1)/(x-1)^2$  ogf ]  
A130917 6.67164  $-(1+x+5*x^6-12*x^5+11*x^7+18*x^4+9*x^3+3*x^2)/(-1+x)/(x+1)/(x^2-$   
 $x+1)/(5*x^5+x^4+2*x^3+x^2-x+1)$  lgdogf  
A130974 17.3911  $[ -(3*x^3+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf ]  
A130974 18.0125  $-(1+3*x^6-2*x^3+6*x^2)/(x-1)/(x+1)/(3*x^3+1)/(x^2-x+1)$  lgdogf  
A130974 7.99430  $[ \{-a(n+4)+a(n+3)-a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3)$   
 $= 3\},$  ogf ]  
A130976 12.1900  $-5/2*(-5+80*x+3*(1-16*x)^(1/2))/(25*x-1)/(-1+16*x)$  lgdogf  
A130976 16.4729  $1/8*(3-25*x+5*(1-6*x+25*x^2)^(1/2))*x$  revogf  
A130976 3.95718  $[ \{(-400*n-600)*a(n+1)+(41*n+99)*a(n+2)+(-n-3)*a(n+3), a(0) = 1,$   
 $a(1) = 5, a(2) = 45\},$  ogf ]  
A130977 10.5065  $-6*(-3+60*x+2*(1-20*x)^(1/2))/(36*x-1)/(-1+20*x)$  lgdogf  
A130977 13.2714  $1/5*(-18*x+2+3*(36*x^2-8*x+1)^(1/2))*x$  revogf  
A130977 3.24304  $[ \{(-720*n-1080)*a(n+1)+(56*n+138)*a(n+2)+(-n-3)*a(n+3), a(0) =$   
 $1, a(1) = 6, a(2) = 66\},$  ogf ]  
A130978 11.8724  $1/12*(5-49*x+7*(1-10*x+49*x^2)^(1/2))*x$  revogf  
A130978 2.96321  $[ \{(-1176*n-1764)*a(n+1)+(73*n+183)*a(n+2)+(-n-3)*a(n+3), a(0) =$   
 $1, a(1) = 7, a(2) = 91\},$  ogf ]  
A130978 9.07887  $-7/2*(-7+168*x+5*(1-24*x)^(1/2))/(49*x-1)/(-1+24*x)$  lgdogf  
A130979 11.5063  $-8*(-4+112*x+3*(1-28*x)^(1/2))/(64*x-1)/(-1+28*x)$  lgdogf  
A130979 14.8371  $1/7*(3-32*x+4*(1-12*x+64*x^2)^(1/2))*x$  revogf  
A130979 3.57231  $[ \{(-1792*n-2688)*a(n+1)+(92*n+234)*a(n+2)+(-n-3)*a(n+3), a(0) =$   
 $1, a(1) = 8, a(2) = 120\},$  ogf ]  
A130980 12.9388  $1/16*(7-81*x+9*(1-14*x+81*x^2)^(1/2))*x$  revogf

A130980 3.18335 [  $\{(-2592n-3888)*a(n+1)+(113n+291)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 9, a(2) = 153\}$ , ogf]  
A130980 9.89434  $-9/2*(-9+288x+7*(1-32x)^{(1/2)})/(81x-1)/(-1+32x)$  lgdogf  
A131015 12.2382 [  $-(4x^6-x^5-x^3+2x^2+1)/(x-1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A131015 7.59904  $-(1+4x+4x^2-13x^6-5x^4+2x^3+22x^5-5x^2-8x^7+13x^8-4x^9+x^{10}-2x^{11})/(x-1)/(4x^6-x^5-x^3+2x^2+1)/(1+x^2)/(x^4-x^2+1)$  lgdogf  
A131017 10.0846  $-(1+4x^9+8x^7+4x+6x^5-3x^8+5x^6-3x^2+x^{10}+8x^3+5x^4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+2x^4-x^3+2x^2+x+1)$  lgdogf  
A131017 15.4607 [  $-(x^5+2x^4-x^3+2x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A131023 10.2868 [  $-(x^3+2x^2-3x+1)/(2x-1)/(3x^2-3x+1)$  ogf]  
A131023 5.37721 [  $\{-a(n+4)+5a(n+3)-9a(n+2)+6a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4\}$ , ogf]  
A131023 9.80008  $-(2-14x+21x^4-46x^3+38x^2)/(-1+2x)/(3x^2-3x+1)/(x^3+2x^2-3x+1)$  lgdogf  
A131024 5.75714 [  $(x^6-4x^5+6x^4-3x^3+3x^2-3x+1)/(x-1)/(2x-1)/(x+1)/(x^2-x+1)/(3x^2-3x+1)$  ogf]  
A131025 5.15895 [  $(x^9-2x^8+2x^6+2x^4-3x^2+1)/(x-1)/(x+1)/(x^2-x+1)/(2x^2-1)/(3x^4-3x^2+1)$  ogf]  
A131026 13.6567 [  $-(x^2-2x+2)/(x-1)/(x^2-x+1)$  ogf]  
A131026 18.7053  $-(2-6x+x^4-4x^3+8x^2)/(x-1)/(x^2-x+1)/(x^2-2x+2)$  lgdogf  
A131026 7.43803 [  $\{a(n+3)-2a(n+2)+2a(n+1)-a(n), a(0) = 2, a(1) = 2, a(2) = 1\}$ , ogf]  
A131027 14.9537 [  $-(3x^2-5x+4)/(x-1)/(x^2-x+1)$  ogf]  
A131027 16.4861  $-(3-10x+3x^4-10x^3+16x^2)/(x-1)/(x^2-x+1)/(3x^2-5x+4)$  lgdogf  
A131027 8.14443 [  $\{-a(n+3)+2a(n+2)-2a(n+1)+a(n), a(0) = 4, a(1) = 3, a(2) = 1\}$ , ogf]  
A131028 15.9886 [  $-(7x^2-10x+7)/(x-1)/(x^2-x+1)$  ogf]  
A131028 16.2113  $-(4-14x+7x^4-20x^3+27x^2)/(x-1)/(7x^2-10x+7)/(x^2-x+1)$  lgdogf  
A131028 8.85083 [  $\{a(n+3)-2a(n+2)+2a(n+1)-a(n), a(0) = 7, a(1) = 4, a(2) = 1\}$ , ogf]  
A131029 14.6991  $-(5-16x+14x^4-34x^3+39x^2)/(x-1)/(x^2-x+1)/(14x^2-17x+11)$  lgdogf  
A131029 14.7463 [  $-(14x^2-17x+11)/(x-1)/(x^2-x+1)$  ogf]  
A131029 8.35190 [  $\{a(n+3)-2a(n+2)+2a(n+1)-a(n), a(0) = 11, a(1) = 5, a(2) = 2\}$ , ogf]  
A131030 14.5648  $-(7-14x+25x^4-50x^3+48x^2)/(x-1)/(x^2-x+1)/(25x^2-25x+16)$  lgdogf  
A131030 14.6103 [  $-(25x^2-25x+16)/(x-1)/(x^2-x+1)$  ogf]  
A131030 8.27488 [  $\{a(n+3)-2a(n+2)+2a(n+1)-a(n), a(0) = 16, a(1) = 7, a(2) = 7\}$ , ogf]  
A131037 5.63149 [  $10x^4*(x^4+x^3-2x^2+x+1)/(x-1)/(x^2+1)/(x^2+2x-1)/(x^4-x^2+1)$  ogf]  
A131039 10.3762  $-(3+2x-12x^5+2x^6+19x^2-36x^3+29x^4)/(x-1)/(2x^2-4x+1)/(x^4-4x^3+5x^2-2x+1)$  lgdogf  
A131039 10.9265 [  $-(x-1)*(2x^2-4x+1)/(x^4-4x^3+5x^2-2x+1)$  ogf]  
A131040 14.5299 [  $-(6x-1)/(3x^2-x+1)$  ogf]  
A131040 18.0205  $-1/6*(-1-x+(1-22x-11x^2)^{(1/2)})/(2+x)$  revogf  
A131040 19.5222  $-(5-6x+18x^2)/(6x-1)/(3x^2-x+1)$  lgdogf  
A131040 7.97374 [  $\{-a(n+2)+a(n+1)-3a(n), a(0) = 1, a(1) = -5\}$ , ogf]  
A131041 10.8105 [  $-(2x^3+x-1)/(x^4+x^2-2x+1)$  ogf]  
A131041 12.4435  $-(1-2x+x^4+4x^3-5x^2+2x^6)/(2x^3+x-1)/(x^4+x^2-2x+1)$  lgdogf  
A131041 5.31807 [  $\{a(n+4)-2a(n+3)+a(n+2)+a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = -1\}$ , ogf]  
A131042 10.5659 [  $(x^5+2x^4-x^3+2x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A131042 7.22126  $-(2+6x+11x^3+10x^4+12x^5+10x^6+12x^7-$

$x^8+7*x^9+x^2+2*x^{10}/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+2*x^4-x^3+2*x^2+x+1)$   
 lgdogf  
 A131051 14.1564 [  $(x^2+1)/(2*x-1)/(x-1)$  ogf]  
 A131051 17.8929  $-(-3+2*x+3*x^2)/(x-1)/(-1+2*x)/(1+x^2)$  lgdogf  
 A131051 6.80065 [  $\{-a(n+3)+3*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 3, a(2) = 8\}$ , ogf]  
 A131055 13.0160 [  $(x^3-x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
 A131055 22.0249  $-2*(1+x+2*x^2)/(x-1)/(x+1)/(x^3-x^2+x+1)$  lgdogf  
 A131055 6.80380 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 4\}$ , ogf]  
 A131056 10.7923  $-(-3+4*x)*(2*x^2-2*x+1)/(x-1)/(2*x-1)/(2*x^3-2*x+1)$  lgdogf  
 A131056 4.23751 [  $\{a(n+4)-5*a(n+3)+8*a(n+2)-4*a(n+1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 17\}$ , ogf]  
 A131056 9.23916 [  $-(2*x^3-2*x+1)/(x-1)/(2*x-1)^2$  ogf]  
 A131064 11.0957 [  $-(5*x^2-2*x+1)/(2*x-1)/(x-1)^2$  ogf]  
 A131064 14.1114  $-2*(-1-x+5*x^3+x^2)/(x-1)/(2*x-1)/(1-2*x+5*x^2)$  lgdogf  
 A131064 6.04321 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
 A131066 11.1515 [  $-(6*x^2-2*x+1)/(2*x-1)/(x-1)^2$  ogf]  
 A131066 13.0713  $-2*(-1-2*x+6*x^3+2*x^2)/(x-1)/(2*x-1)/(6*x^2-2*x+1)$  lgdogf  
 A131066 6.07357 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 9\}$ , ogf]  
 A131068 11.2630 [  $-(7*x^2-2*x+1)/(2*x-1)/(x-1)^2$  ogf]  
 A131068 12.9507  $-2*(-1-3*x+7*x^3+3*x^2)/(x-1)/(-1+2*x)/(7*x^2-2*x+1)$  lgdogf  
 A131068 6.08002 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 10\}$ , ogf]  
 A131075 5.72156  $-(2-16*x+74*x^6+112*x^4-96*x^3-100*x^5+53*x^2-40*x^7+12*x^8)/(-1+2*x)/(3*x^4-5*x^3+6*x^2-4*x+1)/(2*x^4-4*x^3+6*x^2-4*x+1)$  lgdogf  
 A131075 7.35724 [  $-(3*x^4-5*x^3+6*x^2-4*x+1)/(2*x-1)/(2*x^4-4*x^3+6*x^2-4*x+1)$  ogf]  
 A131076 3.95803 [  $-(x^8-5*x^7+10*x^6-10*x^5+2*x^4+4*x^3-6*x^2+4*x-1)/(2*x-1)/(x-1)/(2*x^4-4*x^3+6*x^2-4*x+1)/(x^4+1)$  ogf]  
 A131078 20.2510 [  $-1/(x-1)/(x^4+1)$  ogf]  
 A131078 25.7844 [  $x^7-x^3+1$  ogf\_with\_Euler\_transform]  
 A131078 31.3767  $-(-4*x^3+1+5*x^4)/(x-1)/(1+x^4)$  lgdogf  
 A131079 12.4583 [  $-(x^4-x^3+2)/(x-1)/(x^4+1)$  ogf]  
 A131079 15.6883  $-(2+x^6+7*x^4-2*x^3-3*x^2-2*x^7+x^8)/(x-1)/(x^4-x^3+2)/(1+x^4)$  lgdogf  
 A131080 11.9218 [  $-(3*x^4-2*x^3-x^2+4)/(x-1)/(x^4+1)$  ogf]  
 A131080 12.6322  $-(4-2*x-x^6+11*x^4+2*x^5-5*x^2-4*x^7+3*x^8)/(x-1)/(3*x^4-2*x^3-x^2+4)/(1+x^4)$  lgdogf  
 A131081 10.9290  $-(7-6*x-6*x^6+22*x^4+2*x^3+2*x^5-6*x^2-6*x^7+7*x^8)/(x-1)/(7*x^4-3*x^3-3*x^2-x+8)/(1+x^4)$  lgdogf  
 A131081 12.0882 [  $-(7*x^4-3*x^3-3*x^2-x+8)/(x-1)/(x^4+1)$  ogf]  
 A131082 11.9464 [  $-(15*x^4-4*x^3-6*x^2-4*x+15)/(x-1)/(x^4+1)$  ogf]  
 A131082 9.54682  $-(11-12*x-14*x^6+42*x^4+8*x^3-4*x^5-6*x^2-8*x^7+15*x^8)/(x-1)/(15*x^4-4*x^3-6*x^2-4*x+1)/(1+x^4)$  lgdogf  
 A131083 11.5231 [  $-2*(15*x^4-2*x^3-5*x^2-5*x+13)/(x-1)/(x^4+1)$  ogf]  
 A131083 9.54004  $-(8-10*x-13*x^6+35*x^4+12*x^3-10*x^5-x^2-4*x^7+15*x^8)/(x-1)/(15*x^4-2*x^3-5*x^2-5*x+13)/(1+x^4)$  lgdogf  
 A131090 11.1036 [  $-x*(x-1)^2/(x+1)/(2*x-1)/(x^2-x+1)$  ogf]  
 A131090 14.0123  $-x*(x-2)*(4*x^2-x+1)/(x-1)/(-1+2*x)/(x+1)/(x^2-x+1)$  lgdogf  
 A131090 5.91587 [  $\{-a(n+4)+2*a(n+3)-a(n+1)+2*a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 1\}$ , ogf]  
 A131091 6.29605  $-2*(2*x+9*x^{12}-14*x^6-15*x^4-2*x^3+33*x^5+6*x^2-4*x^7+10*x^9+3*x^{10}-9*x^{11}+1)/(x-1)/(1+x^2)/(9*x^6-6*x^5+4*x^3+2*x^2+1)/(x^4-x^2+1)$  lgdogf  
 A131091 8.66963 [  $(9*x^6-6*x^5+4*x^3+2*x^2+1)/(x^2+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
 A131092 4.89615 [  $\{(n^3+12*n^2+48*n+64)*a(n+1)+(-n-2)*a(n+2), a(0) = 4, a(1) = 108\}$ , ogf]  
 A131093 5.72020  $-(2+6*x+8*x^7+10*x^6-6*x^5+21*x^2+32*x^3+25*x^4+x^{10}+9*x^8+4*x^9)/(x-1)/$

$(x^4+3x^3+6x^2+3x+1)/(x^6-10x^3+1)$  lgdogf  
A131093 7.83935 [  $-(x-1)*(x^4+3x^3+6x^2+3x+1)/(x^6-10x^3+1)$  ogf]  
A131098 16.9089 [  $(2x^2+x+1)/(x-1)^2$  ogf]  
A131098 33.8356  $-(3+5x)/(x-1)/(2x^2+x+1)$  lgdogf  
A131098 8.78598 [  $\{-a(n+3)+2a(n+2)-a(n+1), a(0) = 1, a(1) = 3, a(2) = 7\}$ , ogf]  
A131118 10.6110  $-x*(-2+5x^5+4x^4+12x^3+2x^2-x)/(-1+x)/(x+1)/(1+x^2)/$   
 $(x^3+x^2+2x+1)$  lgdogf  
A131118 5.99261 [  $-x^2*(x^3+x^2+2x+1)/(x-1)/(x^2+1)^2/(x+1)^3$  ogf]  
A131119 8.23960  $-(-1+9x+4x^2)/(-1+x)/(2+x)/(x+1)$  lgdogf  
A131124 8.37930 [  $-(4x^4+2x^3+2x+4)/(-x^6+x^4-x^2+1)$  ogf\_with\_Euler\_transform]  
A131125 6.42290 [  $-(-4x^5+2x^4-2x^3+2x^2-2x+4)/(-x^7-x^6-x^5-x^4-x^3-x^2-$   
 $x-1)$  ogf\_with\_Euler\_transform]  
A131128 13.1528 [  $(4x^2-x+1)/(2x-1)/(x-1)$  ogf]  
A131128 15.5310  $-2*(-1-2x+5x^2)/(x-1)/(-1+2x)/(4x^2-x+1)$  lgdogf  
A131128 6.83431 [  $\{-a(n+3)+3a(n+2)-2a(n+1), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A131130 12.7064 [  $(6x^2-x+1)/(2x-1)/(x-1)$  ogf]  
A131130 14.9962  $-2*(-1-4x+8x^2)/(x-1)/(-1+2x)/(6x^2-x+1)$  lgdogf  
A131130 6.53823 [  $\{-a(n+3)+3a(n+2)-2a(n+1), a(0) = 1, a(1) = 2, a(2) = 10\}$ ,  
ogf]  
A131132 11.6547  $-(-1-2x+7x^6-6x^5+8x^7)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/$   
 $(x^2+x-1)$  lgdogf  
A131132 15.4515 [  $1/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1)$  ogf]  
A131174 13.2279 [  $-x^2*(x+2)/(x-1)^3/(x+1)^3$  ogf]  
A131174 25.8067  $-(1+12x+5x^2)/(x-1)/(x+2)/(x+1)$  lgdogf  
A131174 5.65665 [  $\{(3n^2+31n+76)*a(n+1)+8*a(n+2)+(-3n^2-19n-16)*a(n+3), a(0)$   
 $= 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A131176 12.5470  $-(-1+11x+x^5+20x^2+40x^3+x^4)/(x-1)/$   
 $(x^5-2x^4+16x^3-7x^2+5x-1)$  lgdogf  
A131176 7.72586 [  $(x^5-2x^4+16x^3-7x^2+5x-1)/(x-1)^6$  ogf]  
A131179 15.7355  $-(3+5x+4x^4-x^3+13x^2)/(x-1)/(x+1)/(2x^3-x^2+2x+1)$  lgdogf  
A131179 9.85984 [  $-x*(2x^3-x^2+2x+1)/(x+1)^2/(x-1)^3$  ogf]  
A131185 10.3347  $-(-1-5x^6+12x^3+12x^5-3x^2-3x^8+6x^9)/(x-1)/(x+1)/(x^2+x$   
 $+1)/(x^2-x+1)/(3x^4-x^3-x+2)$  lgdogf  
A131185 11.2864 [  $-x*(3x^4-x^3-x+2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A131186 7.60005 [  $-x*(x^5+3x^4-x^3-x^2+2x+1)/(x-1)/(x^2+x+1)/(x^4-x^2+1)$  ogf]  
A131186 7.90795  $-$   
 $(2+5x^6-6x^4+12x^3-12x^5+2x^2+12x^7-7x^8-4x^9+9x^{10}+2x^{11})/(x-1)/$   
 $(x^2+x+1)/(x^5+3x^4-x^3-x^2+2x+1)/(x^4-x^2+1)$  lgdogf  
A131189 8.69937 [  $(12x^6+7x^5+7x^4+7x^3+7x^2+7x+2)/(x+1)/(x^2+x+1)/(x^2-x$   
 $+1)/(x-1)^2$  ogf]  
A131191 7.20752 [  $(15x^{10}+11x^9+11x^8+11x^7+11x^6+11x^5+11x^4+11x^3+11x^2+11x+7)/(x+1)/$   
 $(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A131193 15.1581  $-3*(-1-x-x^2-x^3-x^4+x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A131193 25.2758 [  $[x^5-3]$  ogf\_with\_Euler\_transform]  
A131193 7.82231 [  $x*(x-1)^2/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A131201 8.10288 [  $x*(x^2+1)*(x^8+8x^7+4x^6+5x^4+4x^2+2x+1)/(x^4+1)/(x^8-$   
 $x^4+1)$  ogf]  
A131207 4.49275 [  $x*(7x^{28}+7x^{27}-x^{26}-8x^{25}-8x^{24}-64x^{12}-8x^2-8x-8)/$   
 $(7x^{26}-8x^{24}-8)/(x^2+x+1)/(x-1)^2$  ogf]  
A131209 11.6003 [  $-x*(x^4-2x^3+2x^2-x-1)/(x-1)^2$  ogf]  
A131209 15.7381  $(3-3x+2x^4-6x^3+6x^2)/(x-1)/(x^4-2x^3+2x^2-x-1)$  lgdogf  
A131211 14.5596  $-(-1+7x+x^5+20x^3-3x^4)/(x-1)/(x^5-4x^4+12x^3-9x^2+5x-1)$   
lgdogf  
A131211 8.15013 [  $(x^5-4x^4+12x^3-9x^2+5x-1)/(x-1)^6$  ogf]  
A131215 3.91929 [  $\{a(n+3)-399a(n+2)+399a(n+1)-a(n), a(0) = 1, a(1) = 606, a(2)$   
 $= 241396\}$ , ogf]  
A131215 7.19512 [  $-(x^2+207x+1)/(x-1)/(x^2-398x+1)$  ogf]  
A131216 11.3214  $-1/2*(-11-20x+(121+396x+396x^2)^{(1/2)})/(11+x)$  revogf  
A131216 11.5525 [  $-11*(x-1)/(x^2-20x+1)$  ogf]  
A131216 16.9821  $-(-19-2x+x^2)/(x-1)/(x^2-20x+1)$  lgdogf

A131216 6.44788 [ {a(n+2)-20\*a(n+1)+a(n), a(0) = 11, a(1) = 209}, ogf ]  
A131229 13.8524 [ (3\*x^2+6\*x+1)/(x+1)/(x-1)^2 ogf ]  
A131229 17.2672 -(7+15\*x+3\*x^3+15\*x^2)/(x-1)/(x+1)/(3\*x^2+6\*x+1) lgdogf  
A131229 7.47785 [ {a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 7, a(2) = 11}, ogf ]  
A131242 13.6269 [ -x^10/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^3 ogf ]  
A131242 9.51734 -2\*(1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+6\*x^9)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) lgdogf  
A131244 8.17773 [ -(x^3+2\*x^2-x-1)/(x^4+3\*x^3-2\*x^2-2\*x+1) ogf ]  
A131244 8.55855 -(3+x^6+4\*x^5-6\*x^3+5\*x^4-6\*x^2)/(x^3+2\*x^2-x-1)/(x^4+3\*x^3-2\*x^2-2\*x+1) lgdogf  
A131246 8.88187 [ -(x+1)\*(x^2-x-1)/(x^4+x^3-3\*x^2-x+1) ogf ]  
A131246 9.98966 -(3+6\*x-6\*x^3-3\*x^4+x^6)/(x+1)/(x^2-x-1)/(x^4+x^3-3\*x^2-x+1) lgdogf  
A131259 14.4601 [ x^2\*(2\*x-1)/(x-1)^3/(x+1)^3 ogf ]  
A131259 29.4587 -2\*(1-3\*x+5\*x^2)/(x-1)/(2\*x-1)/(x+1) lgdogf  
A131259 6.30810 [ {(3\*n^2+11\*n-4)\*a(n+1)+8\*a(n+2)+(-3\*n^2+n+4)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1}, ogf ]  
A131269 10.4404 [ -(2\*x^3-x^2-x+1)/(x^2+x-1)/(x-1)^2 ogf ]  
A131269 4.46615 [ {(-n-2)\*a(n+1)-a(n+2)+(2\*n+3)\*a(n+3)+(-n-1)\*a(n+4), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 6}, ogf ]  
A131282 13.5794 [ -(5\*x^5+4\*x^4+3\*x^3+3\*x^2+2\*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) ogf ]  
A131282 7.42502 -(2+6\*x+10\*x^6+25\*x^4+16\*x^3+6\*x^5+9\*x^2+12\*x^7+9\*x^8+8\*x^9+5\*x^10)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(5\*x^5+4\*x^4+3\*x^3+3\*x^2+2\*x+1) lgdogf  
A131283 4.21150 [ x^2\*(x^7+x^6+2\*x^5+x^3-3\*x^2-2\*x-1)/(2\*x-1)/(x^10+x^8-2\*x^5-x^3-x+1) ogf ]  
A131289 10.2642 -(-1-6\*x^9+12\*x^7-6\*x+6\*x^5-9\*x^8+5\*x^6+9\*x^2+x^10+12\*x^3-5\*x^4)/(x-1)/(x^2+1)/(x^4-2\*x^3-5\*x^2-2\*x-1)/(x^4-x^2+1) lgdogf  
A131289 13.1146 [ (x-1)\*(x^4-2\*x^3-5\*x^2-2\*x-1)/(x^2+1)/(x^4-x^2+1) ogf ]  
A131290 11.5044 [ -(x^3-2\*x^2+x+1)/(x-1)/(x^2-x+1) ogf ]  
A131290 19.3480 (-3+8\*x+2\*x^3-8\*x^2)/(x-1)/(x^2-x+1)/(x^3-2\*x^2+x+1) lgdogf  
A131290 6.05955 [ {a(n+4)-2\*a(n+3)+2\*a(n+2)-a(n+1), a(0) = 1, a(1) = 3, a(2) = 2, a(3) = 0}, ogf ]  
A131291 9.75361 [ -(5\*x^8+4\*x^7+5\*x^6+3\*x^5+4\*x^4+3\*x^3+5\*x^2+4\*x+5)/(x-1)/(x^2+x+1)/(x^6+x^3+1) ogf ]  
A131292 11.0286 [ (2\*x^3-x^2-x+1)\*(x+1)^2/(3\*x^4-3\*x^2+1) ogf ]  
A131292 13.0755 (1+x+6\*x^7-9\*x^5-6\*x^6-x^2+x^3+3\*x^4)/(x+1)/(2\*x^3-x^2-x+1)/(3\*x^4-3\*x^2+1) lgdogf  
A131294 12.7074 (-1-4\*x+2\*x^6-2\*x^4-10\*x^3-9\*x^2)/(x-1)/(x^2+x+1)/(2\*x^4+2\*x^3+2\*x^2+x+1) lgdogf  
A131294 13.6447 [ -x\*(2\*x^4+2\*x^3+2\*x^2+x+1)/(x-1)/(x^2+x+1) ogf ]  
A131295 7.29833 [ -x\*(3\*x^8+3\*x^6+x^5+4\*x^4+x^3+2\*x^2+1)/(x-1)/(x^2+1)/(x^4+1) ogf ]  
A131296 7.79529 (-1-2\*x+19\*x^6+4\*x^4-10\*x^3-28\*x^5-4\*x^2-18\*x^7+8\*x^8-8\*x^9+4\*x^10)/(x-1)/(x^2+x+1)/(x^2-x+1)/(4\*x^6+4\*x^4+x^3+2\*x^2+1) lgdogf  
A131296 9.70602 [ -x\*(4\*x^6+4\*x^4+x^3+2\*x^2+1)/(x-1)/(x^2+x+1)/(x^2-x+1) ogf ]  
A131298 7.92871 -(1+2\*x+3\*x^6+4\*x^5-5\*x^4-8\*x^3+x^2)/(-1+x)/(x+1)/(x^2+x-1)/(x^3+x^2-1) lgdogf  
A131298 8.87575 [ -(x-1)\*(x+1)/(x^2+x-1)/(x^3+x^2-1) ogf ]  
A131300 10.6766 [ -(3\*x^3-x^2-x+1)/(x^2+x-1)/(x-1)^2 ogf ]  
A131300 4.56719 [ {(-n-2)\*a(n+1)-a(n+2)+(2\*n+3)\*a(n+3)+(-n-1)\*a(n+4), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 7}, ogf ]  
A131308 11.4369 -(2+4\*x+12\*x^5+14\*x^4+16\*x^3+3\*x^2+5\*x^6)/(x-1)/(x+1)/(x^2+1)/(x^3+2\*x^2+2\*x+2) lgdogf  
A131308 13.2832 [ x\*(x^3+2\*x^2+2\*x+2)/(x-1)^2/(x+1)^2/(x^2+1)^2 ogf ]  
A131322 10.1963 [ -(x-1)\*(x+1)/(x^4+x^3-3\*x^2-x+1) ogf ]  
A131326 11.5981 [ -(x^2-2\*x-1)/(x-1)/(x+1)/(x^2+x-1) ogf ]

A131328 11.8090 [  $-(x^2-3*x-1)/(x-1)/(x+1)/(x^2+x-1)$  ogf]  
A131352 11.0400 [  $-(2*x^3-2*x^2+2*x-1)/(2*x-1)^2$  ogf]  
A131352 14.3442  $2*(2*x+1)*(x-1)^2/(-1+2*x)/(2*x^3-2*x^2+2*x-1)$  lgdogf  
A131352 5.85598 [  $\{a(n+4)-4*a(n+3)+4*a(n+2), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 14\}$ , ogf]  
A131355 12.7679  $-(1+x+2*x^5+6*x^4+4*x^3+4*x^2)/(x-1)/(x+1)/(2*x^4+2*x^3-2*x^2+1)$  lgdogf  
A131355 9.36233 [  $-(2*x^4+2*x^3-2*x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A131358 22.4091  $-2*x^2*(x^3+3+x*x^2)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A131358 29.8727 [  $[-x^3+2*x^2]$  ogf\_with\_Euler\_transform]  
A131358 9.75801 [  $-x*(x+1)*(x^2+1)/(x-1)/(x^2+x+1)^2$  ogf]  
A131360 14.1782  $-2*x^2*(2*x^4-3*x^2+3*x+3*x^3+3)/(x-1)/(x+1)/(1+x^2)/(x^3+x^2-x+1)$  lgdogf  
A131360 6.90085 [  $x^3*(x^3+x^2-x+1)/(x+1)/(x-1)^2/(x^2+1)^2$  ogf]  
A131369 9.64035 [  $-(5*x^8+4*x^7+5*x^6+4*x^5+3*x^4+4*x^3+5*x^2+4*x+5)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A131370 11.6597  $-2*(1-6*x-14*x^3+3*x^4+15*x^2)/(2*x-1)/(3*x^2-7*x+3)/(x^2-x+1)$  lgdogf  
A131370 11.9665 [  $-(3*x^2-7*x+3)/(2*x-1)/(x^2-x+1)$  ogf]  
A131370 6.57619 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-2*a(n), a(0) = 3, a(1) = 2, a(2) = 0\}$ , ogf]  
A131372 10.0205 [  $-(x^2-x+1)*(x^4-x^2+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A131372 14.1211 [  $-x^{11}+x^6+x^3+x^2-1$  ogf\_with\_Euler\_transform]  
A131379 11.8232 [  $-(x^3-x^2+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A131379 5.47184  $-x*(-2+x^5-2*x^4+4*x^2+3*x)/(-1+x)/(x+1)/(x^2+1)/(x^3-x^2+1)$  lgdogf  
A131380 13.9055 [  $x*(x^2-x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A131380 17.1335  $-(1+3*x+8*x^2+2*x^4-2*x^3)/(x-1)/(x^2+x+1)/(x^2-x+2)$  lgdogf  
A131380 5.54512 [  $\{(2*n+7)*a(n+1)+2*a(n+2)+2*a(n+3)+(-2*n-5)*a(n+4), a(0) = 0, a(1) = 2, a(2) = 1, a(3) = 2\}$ , ogf]  
A131386 15.1314 [  $(3*x+1)/(x+1)^3$  ogf]  
A131386 49.1176  $-6*x/(x+1)/(3*x+1)$  lgdogf  
A131386 7.22490 [  $\{a(n+3)+3*a(n+2)+3*a(n+1)+a(n), a(0) = 1, a(1) = 0, a(2) = -3\}$ , ogf]  
A131423 11.6464 [  $-(x^2-4*x-1)/(x-1)^4$  ogf]  
A131423 23.0691  $-2*(-4-5*x+x^2)/(x-1)/(x^2-4*x-1)$  lgdogf  
A131423 4.03819 [  $\{(-n-4)*a(n+4)+(-1-3*n)*a(n+3)+(20+5*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 1, a(1) = 8, a(2) = 25, a(3) = 56\}$ , ogf]  
A131428 3.62418 [  $\{(4*n^2+14*n+12)*a(n+1)+(-5*n^2-19*n-16)*a(n+2)+(n^2+5*n+4)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A131435 2.69482 [  $-(x+1)*(2*x+1)/(4*x^5-13*x^4+3*x^3+15*x^2+3*x-1)$  ogf]  
A131438 7.52583 [  $-(6*x^2-2*x-1)/(2*x-1)^2/(x-1)^2$  ogf]  
A131439 5.15212 [  $\{a(n+4)-2*a(n+3)+a(n+2), a(0) = 1, a(1) = 7, a(2) = 14, a(3) = 18\}$ , ogf]  
A131439 9.79748 [  $-(x+1)*(3*x^2-4*x-1)/(x-1)^2$  ogf]  
A131441 12.0664  $-10+30*x+(9-32*x+20*x^2)*f(x)+(-8*x^2-2+8*x)*f(x)^2$  lgdegf  
A131441 4.04099 [  $\{(-4*n^2-18*n-20)*a(n+1)+(4*n+10)*a(n+2)-a(n+3), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A131451 9.48600  $-8+(12-12*x)*f(x)+(-6+12*x-6*x^2)*f(x)^2+(-3*x+3*x^2-x^3+1)*f(x)^3$  lgdegf  
A131452 13.8169 [  $x*(3*x^2-x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A131452 18.0667  $-(1+7*x+10*x^2+6*x^4)/(x-1)/(x^2+x+1)/(3*x^2-x+2)$  lgdogf  
A131452 5.47623 [  $\{(4*n+11)*a(n+1)+4*a(n+2)+4*a(n+3)+(-4*n-7)*a(n+4), a(0) = 0, a(1) = 2, a(2) = 1, a(3) = 4\}$ , ogf]  
A131464 10.5210 [  $(x^3+6*x^2+15*x+2)/(x-1)^4$  ogf]  
A131464 17.5214  $-(23+57*x+15*x^2+x^3)/(x-1)/(x^3+6*x^2+15*x+2)$  lgdogf  
A131464 4.16567 [  $\{(-67*n^2-349*n-430)*a(n+1)+(-146*n^2-1648*n-3770)*a(n+2)+(213*n^2+1157*n+1554)*a(n+3), a(0) = 2, a(1) = 23, a(2) = 86\}$ , ogf]  
A131465 6.90302 [  $-(11*x^4+44*x^3+42*x^2-2*x+1)/(x-1)^5$  ogf]  
A131465 9.89194  $-(3+76*x+258*x^2+132*x^3+11*x^4)/(x-1)/(11*x^4+44*x^3+42*x^2-2*x+1)$  lgdogf

A131466 6.66357 [  $-(15x^4+54x^3+52x^2-2x+1)/(x-1)^5$  ogf]  
A131466 9.54367  $-3*(1+32x+106x^2+56x^3+5x^4)/(x-1)/(15x^4+54x^3+52x^2-2x+1)$  lgdogf  
A131471 10.5176  $-(17+127x+2x^4+37x^3+177x^2)/(x-1)/(x^4+11x^3+36x^2+11x+1)$  lgdogf  
A131471 6.25086 [  $2*x*(x^4+11x^3+36x^2+11x+1)/(x-1)^6$  ogf]  
A131472 5.46627 [  $-2*x*(31x^4+146x^3+156x^2+26x+1)/(x-1)^7$  ogf]  
A131472 8.95221  $-3*(11+156x+31x^4+236x^3+406x^2)/(x-1)/(31x^4+146x^3+156x^2+26x+1)$  lgdogf  
A131473 5.24220 [  $-2*x^2*(x^4+26x^3+156x^2+146x+31)/(x-1)^7$  ogf]  
A131473 9.55316  $-3*(121+396x+x^4+36x^3+286x^2)/(x-1)/(31+146x+156x^2+26x^3+x^4)$  lgdogf  
A131474 6.38381 [  $x*(2x^4+3x^3+5x^2+x+1)/(x+1)^3/(x-1)^4$  ogf]  
A131474 9.86330  $-2*(1+9x+10x^2+18x^3+7x^4+3x^5)/(x-1)/(x+1)/(2x^4+3x^3+5x^2+x+1)$  lgdogf  
A131475 12.5479  $-2*(1+7x+6x^2+8x^3+2x^4)/(x-1)/(x+1)/(x^3+3x^2+x+1)$  lgdogf  
A131475 6.51520 [  $2*x^2*(x^3+3x^2+x+1)/(x+1)^3/(x-1)^4$  ogf]  
A131476 13.3587  $-3*(x+1)*(x^4+6x^2+2x+3)/(x-1)/(x^2+x+1)/(x^3+3x+2)$  lgdogf  
A131476 7.83705 [  $x^2*(x^3+3x+2)/(x^2+x+1)/(x-1)^4$  ogf]  
A131477 11.6350  $-3*(1+x^2)*(2x^3+6x^2+3x+1)/(x-1)/(x^2+x+1)/(2x^3+3x^2+1)$  lgdogf  
A131477 8.23127 [  $x*(2x^3+3x^2+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A131478 11.2129  $-2*(2+13x+20x^2+22x^3+2x^4+x^5)/(x-1)/(x+1)/(x^4+10x^2+1)$  lgdogf  
A131478 4.25273 [  $\{(-n^2-6n-10)*a(n+1)+(-4n-8)*a(n+2)+(n^2+2n+2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A131478 8.60918 [  $-x*(x^4+10x^2+1)/(x+1)/(x-1)^5$  ogf]  
A131479 16.1675  $-(5+12x+9x^2+4x^3)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A131479 27.8740 [  $-x^2+x+5$  ogf\_with\_Euler\_transform]  
A131479 8.26318 [  $-4x^2*(x^2+x+1)/(x+1)/(x-1)^5$  ogf]  
A131498 8.02813 [  $-(2x^8+3x^7-3x^6-2x^5-5x^4+x^3+3x^2+2x+3)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
A131505 10.8876 [  $x*(x^3-x^2+2x-1)/(x-1)^2/(x^2+1)^2$  ogf]  
A131505 19.5132  $-x*(4+3x^4-9x+11x^2-5x^3)/(x-1)/(1+x^2)/(x^3-x^2+2x-1)$  lgdogf  
A131508 12.5212  $-(1+2x+6x^5+7x^4+16x^3+3x^2+5x^6)/(x-1)/(x+1)/(x^2+1)/(x^3+x^2+x+2)$  lgdogf  
A131508 12.5814 [  $x^3*(x^3+x^2+x+2)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A131509 6.23103 [  $-(5x^5+53x^4+38x^3+26x^2-3x+1)/(x-1)^7$  ogf]  
A131509 7.89855  $-2*(2+17x+122x^2+182x^3+92x^4+5x^5)/(x-1)/(5x^5+53x^4+38x^3+26x^2-3x+1)$  lgdogf  
A131515 10.1124 [  $-(20x^2-19x+1)/(x-1)/(x^2-34x+1)$  ogf]  
A131515 5.61799 [  $\{a(n+3)-35a(n+2)+35a(n+1)-a(n), a(0) = 1, a(1) = 16, a(2) = 545\}$ , ogf]  
A131519 11.9817  $-6*(1+2x)*(2x^2+2x-1)/(2x-1)/(6x^2+3x-1)/(24x^3-11x+1)$  lgdogf  
A131519 13.4829 [  $(2x-1)*(6x^2+3x-1)/(24x^3-11x+1)$  ogf]  
A131519 6.34488 [  $\{-a(n+4)+11a(n+3)-24a(n+1), a(0) = 1, a(1) = 6, a(2) = 66, a(3) = 714\}$ , ogf]  
A131520 11.3153 [  $2*(x^2+x-1)/(2x-1)/(x-1)^2$  ogf]  
A131520 15.3749  $-(3-9x+2x^3+6x^2)/(x-1)/(2x-1)/(x^2+x-1)$  lgdogf  
A131520 6.10825 [  $\{a(n+3)-4a(n+2)+5a(n+1)-2a(n), a(0) = 2, a(1) = 6, a(2) = 12\}$ , ogf]  
A131521 10.2205  $-10*(-5+180x+4*(1-36x)^(1/2))/(100x-1)/(-1+36x)$  lgdogf  
A131521 13.3653  $1/9*(4-50x+5*(1-16x+100x^2)^(1/2))*x$  revogf  
A131521 3.26587 [  $\{(-3600n-5400)*a(n+1)+(136n+354)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 10, a(2) = 190\}$ , ogf]  
A131524 14.0695 [  $x^2/(x-1)/(x^4+x^2-1)$  ogf]  
A131524 17.6476  $-(-1-2x+5x^4-4x^3+3x^2)/(x-1)/(x^4+x^2-1)$  lgdogf  
A131531 19.4905 [  $x^2/(x+1)/(x^2-x+1)$  ogf]  
A131531 22.5543 [  $x^5-x^2$  ogf\_with\_Euler\_transform]



A131531 40.6961  $-3x^2/(x+1)/(x^2-x+1)$  lgdogf  
A131531 7.63816  $[ \{a(n+3)+a(n), a(0) = 0, a(1) = 0, a(2) = 1\}, \text{ogf}]$   
A131532 11.5941  $[ -x^4/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A131532 18.3524  $-(-2x+3x^2-4x^3+1+5x^4)/(x-1)/(x+1+x^2)/(x^2-x+1)$  lgdogf  
A131532 22.7415  $[ [x^5-x+1]$  ogf\_with\_Euler\_transform]  
A131533 10.7354  $[ x^4/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A131533 20.0066  $- (2x+3x^2+4x^3+1+5x^4)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A131533 26.1399  $[ [x^5-1]$  ogf\_with\_Euler\_transform]  
A131534 13.0433  $[ \{a(n+3)-a(n), a(0) = 1, a(1) = 2, a(2) = 1\}, \text{ogf}]$   
A131534 20.2305  $[ -(x+1)^2/(x-1)/(x^2+x+1)$  ogf]  
A131534 27.0188  $- (2x^3+3x^2)/(x-1)/(x+1)/(x+1+x^2)$  lgdogf  
A131534 34.1122  $[ 1/2*(x-2)^2$  egf\_with\_Euler\_transform]  
A131554 7.79670  $- (-1+2x+3x^6-4x^5-2x^7-5x^4+4x^3+x^8-3x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x-1)$  lgdogf  
A131554 9.34671  $[ (x^4-x^3+x^2-x-1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A131555 10.6981  $[ -x^2*(2x^2+1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A131555 13.5094  $- (1+2x+6x^6+7x^4-4x^3-4x^5+x^2)/(x-1)/(1+2x^2)/(x+1+x^2)/(x^2-x+1)$  lgdogf  
A131556 11.7112  $[ \{a(n+3)+a(n), a(0) = 1, a(1) = -2, a(2) = 1\}, \text{ogf}]$   
A131556 18.1642  $[ (x-1)^2/(x+1)/(x^2-x+1)$  ogf]  
A131556 29.4832  $- (-2-3x^2+x^3)/(x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A131556 30.6209  $[ x^5-x^2-2$  ogf\_with\_Euler\_transform]  
A131557 6.71792  $[ -5*(2x^4-635x^2+486x+11)/(x-1)/(x^2+18x+1)/(x^2-18x+1)$  ogf]  
A131561 13.7922  $[ \{-a(n+3)+a(n), a(0) = 1, a(1) = 1, a(2) = -1\}, \text{ogf}]$   
A131561 21.3920  $[ (x^2-x-1)/(x-1)/(x^2+x+1)$  ogf]  
A131561 23.5024  $- (-1+2x-3x^2-2x^3+x^4)/(x-1)/(x^2+x+1)/(x^2-x-1)$  lgdogf  
A131562 12.0821  $[ -(x^2-x-1)/(2x+1)/(x^2+x+1)$  ogf]  
A131562 14.4973  $- 2*(x+1)*(x^3-3x^2-3x-1)/(2x+1)/(x^2+x+1)/(x^2-x-1)$  lgdogf  
A131562 6.58044  $[ \{-a(n+3)-3a(n+2)-3a(n+1)-2a(n), a(0) = 1, a(1) = -2, a(2) = 2\}, \text{ogf}]$   
A131569 6.00092  $- 2*(1-8x^2+10x^3-5x^4-5x^5+x^9+12x^6-4x^8)/(x-1)/(x+1)/(x^2-3x+1)/(x^2+x-1)/(x^4-2x^3-2x^2+2x-1)$  lgdogf  
A131569 7.43473  $[ -(x^4-2x^3-2x^2+2x-1)/(x-1)/(x+1)/(x^2-3x+1)/(x^2+x-1)$  ogf]  
A131572 16.1135  $[ -x*(2x+1)/(2x^2-1)$  ogf]  
A131572 20.9969  $- 2*(1+2x^2+2x)/(2x+1)/(2x^2-1)$  lgdogf  
A131572 20.9969  $1/4*(-1+(1+8x+8x^2)^{1/2})/(1+x)$  revogf  
A131572 8.73624  $[ \{a(n+3)-2a(n+1), a(0) = 0, a(1) = 1, a(2) = 2\}, \text{ogf}]$   
A131575 11.8343  $[ (2x+1)*(x-1)/(2x^2-1)$  ogf]  
A131575 19.3446  $(1+2x^2)/(-1+x)/(2x+1)/(2x^2-1)$  lgdogf  
A131575 6.98652  $[ \{a(n+3)-2a(n+1), a(0) = 1, a(1) = 1, a(2) = 0\}, \text{ogf}]$   
A131577 11.2670  $[ \{-a(n+2)+2a(n+1), a(0) = 0, a(1) = 1\}, \text{ogf}]$   
A131577 27.5846  $[ -x/(2x-1)$  ogf]  
A131577 60.7144  $1/2*\ln(1+2x)$  revegf  
A131577 71.7534  $- 2/(-1+2x)$  lgdogf  
A131579 9.21667  $[ -x*(7x^8+4x^7+x^6+8x^5+5x^4+2x^3+9x^2+6x+3)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A131588 11.2964  $[ (2x^3-2x^2+x+1)/(x-1)/(2x+1)/(2x-1)/(x+1)$  ogf]  
A131588 8.09305  $- (-1-6x+8x^6-16x^5+22x^4+16x^3-11x^2)/(x-1)/(2x+1)/(2x-1)/(x+1)/(2x^3-2x^2+x+1)$  lgdogf  
A131589 12.7790  $[ -(2x^2+9x+3)/(x+1)/(x^2+3x+1)$  ogf]  
A131589 13.4545  $- (3+20x+37x^2+18x^3+2x^4)/(x+1)/(x^2+3x+1)/(2x^2+9x+3)$  lgdogf  
A131589 6.95996  $[ \{-a(n+3)-4a(n+2)-4a(n+1)-a(n), a(0) = -3, a(1) = 3, a(2) = -2\}, \text{ogf}]$   
A131598 13.0433  $[ \{-a(n+3)+a(n), a(0) = 2, a(1) = 5, a(2) = 8\}, \text{ogf}]$   
A131598 16.7703  $- (5+16x+8x^4+10x^3+6x^2)/(x-1)/(x^2+x+1)/(8x^2+5x+2)$  lgdogf  
A131598 20.2305  $[ -(8x^2+5x+2)/(x-1)/(x^2+x+1)$  ogf]  
A131600 13.8772  $[ -(18x^2+18x+19)/(3x-1)/(6x^2+2x+1)$  ogf]

A131600 8.07145 [ $\{a(n+3)-a(n+2)-18*a(n), a(0) = 19, a(1) = 37, a(2) = 55\}$ , ogf]  
A131601 13.3255 [ $-(48*x^2+48*x+49)/(4*x-1)/(12*x^2+3*x+1)$  ogf]  
A131601 7.67226 [ $\{a(n+3)-a(n+2)-48*a(n), a(0) = 49, a(1) = 97, a(2) = 145\}$ , ogf]  
A131603 20.1190  $2*(56-68*x+x^4-9*x^3+21*x^2)/(-1+x)/(x^4-14*x^3+9*x^2+118*x-115)$  lgdogf  
A131607 3.02321 [ $(x^4+x^3-2*x^2+x+1)/(x-1)/(x^2+1)/(x^2+2*x-1)/(x^4-x^2+1)$  ogf]  
A131608 7.17781 [ $(x+1)*(x^2+x+1)*(x^2-x+1)*(9*x^6-6*x^5+4*x^3+2*x^2+1)/(x^4+1)/(x^8-x^4+1)$  ogf]  
A131640 10.5651 [ $-5*(182*x^3-10*x^2-10*x-197)/(x^2+x+1)/(x-1)^2$  ogf]  
A131640 4.32998 [ $\{(-35*n-691)*a(n+1)-35*a(n+2)-35*a(n+3)+(35*n+656)*a(n+4), a(0) = 985, a(1) = 1035, a(2) = 1085, a(3) = 1160\}$ , ogf]  
A131640 8.93604 [ $(-207-227*x+182*x^5+162*x^4+142*x^3-262*x^2)/(x-1)/(x^2+x+1)/(182*x^3-10*x^2-10*x-197)$  lgdogf]  
A131646 4.00142 [ $(8/x^3+2/x^9+2/x^11+2/x^10+998)/(x^2+x+1)*x^11$  ogf\_with\_Euler\_transform]  
A131649 14.9982  $(4+x^4-4*x^3+8*x^2)/(-1+x)/(x^4-2*x^3-2*x^2+2*x-2)$  lgdogf  
A131649 5.20503 [ $\{a(n+5)-3*a(n+4)+3*a(n+3)-a(n+2), a(0) = 4, a(1) = 8, a(2) = 16, a(3) = 32, a(4) = 54\}$ , ogf]  
A131649 9.93687 [ $2*(x^4-2*x^3-2*x^2+2*x-2)/(x-1)^3$  ogf]  
A131662 6.09887 [ $(x^7+2519*x^6+9360*x^5+1441*x^4+1079*x^3+1441*x^2+9360*x+2519)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A131663 7.09608 [ $(-1799+3239*x+2*x^6+5037*x^4+5400*x^3+2161*x^5+2522*x^2)/(x-1)/(x+1)/(x^3+720*x^2+1079*x+720)/(1+x^2)$  lgdogf]  
A131663 9.61892 [ $(x^3+720*x^2+1079*x+720)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A131665 10.0048 [ $x^2*(2*x+1)*(x^2+x+1)/(3*x^4-3*x^2+1)$  ogf]  
A131665 10.4065 [ $-3*(-1-4*x+2*x^6+6*x^5+11*x^4+4*x^3-5*x^2)/(2*x+1)/(x+x^2+1)/(3*x^4-3*x^2+1)$  lgdogf]  
A131666 11.8317 [ $x^2*(x-1)/(x+1)/(2*x-1)/(x^2-x+1)$  ogf]  
A131666 12.1123 [ $(-2*x^2-2*x-1)*(3*x^2-2*x+1)/(x-1)/(-1+2*x)/(x+1)/(x^2-x+1)$  lgdogf]  
A131667 14.9719 [ $(-1-x+2*x^5+2*x^4+2*x^3+11*x^2)/(x-1)/(x^2+x+1)/(x^3+x^2+x+2)$  lgdogf]  
A131667 8.58419 [ $-(x^3+x^2+x+2)/(x-1)/(x^2+x+1)^2$  ogf]  
A131668 5.94238 [ $(10*x^9+20*x^8+20*x^7+20*x^6+20*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(x-1)/(100*x^9-1)$  ogf]  
A131669 7.47509 [ $-(8*x^8+6*x^7+4*x^6+2*x^5+9*x^4+7*x^3+5*x^2+3*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A131670 15.5721 [ $-x^{11}+x*(x^4+x^3+x^2-1)$  ogf\_with\_Euler\_transform]  
A131670 17.0719 [ $-(x^4-x^2+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A131670 18.7556 [ $-x*(-2-3*x^5+5*x^3+4*x^2+x^7)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4-x^2+1)$  lgdogf]  
A131672 3.42878 [ $(-2660*x^9+3640*x^7+1210*x^5+1650*x^4+990*x^3+594*x^2+560*x+1)/(x-1)$  ogf]  
A131682 6.23103 [ $-(2*x^5+63*x^4+25*x^3+35*x^2-7*x+2)/(x-1)^7$  ogf]  
A131682 9.48640 [ $(-7+28*x+4*x^5+199*x^4+352*x^3+250*x^2)/(x-1)/(2*x^5+63*x^4+25*x^3+35*x^2-7*x+2)$  lgdogf]  
A131683 3.27182 [ $(80*x^9+7205*x^8+61625*x^7+213873*x^6+217437*x^5+93855*x^4+8635*x^3+2395*x^2-353*x+48)/(x-1)^{11}$  ogf]  
A131707 12.2382 [ $(-9*x^6-6*x^5+4*x^3+2*x^2+1)/(x-1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A131708 14.5227 [ $(x-1)*x/(2*x-1)/(x^2-x+1)$  ogf]  
A131708 18.1565 [ $(-2+6*x+4*x^3-9*x^2)/(x-1)/(2*x-1)/(x^2-x+1)$  lgdogf]  
A131708 7.45759 [ $\{-a(n+3)+3*a(n+2)-3*a(n+1)+2*a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A131709 15.5420 [ $(-30*x^3-30*x^2+3*x+1)/(x-1)/(10*x^2-10*x+1)$  ogf]  
A131709 8.21507 [ $\{a(n+4)-11*a(n+3)+20*a(n+2)-10*a(n+1), a(0) = 1, a(1) = 14, a(2) = 104, a(3) = 904\}$ , ogf]  
A131710 12.4926  $2*(-1-x+5*x^6-3*x^5+2*x^7)/(1+x^2)/(x^2+2*x-1)/(x^4-x^2+1)$  lgdogf  
A131710 14.9974 [ $-x*(x^2+1)*(x^4-x^2+1)/(x^2+2*x-1)$  ogf]  
A131710 4.42695 [ $\{-a(n+3)+2*a(n+2)+a(n+1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) =$

5, a(4) = 12, a(5) = 29, a(6) = 70, a(7) = 170}, ogf]  
A131712 12.0084  $-(3+14*x+9*x^6+9*x^4+4*x^3+14*x^5+27*x^2)/(x-1)/(x+1)/(1+x^2)/(9*x^3+7*x^2+3*x+1)$  lgdogf  
A131712 17.3911  $[-(9*x^3+7*x^2+3*x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A131713 15.3937  $[-(x-1)/(x^2+x+1)$  ogf]  
A131713 17.5092  $-1/2*(x-1+(1-6*x-3*x^2)^(1/2))/(1+x)$  revogf  
A131713 21.0111  $-(-2-2*x+x^2)/(-1+x)/(x^2+x+1)$  lgdogf  
A131713 27.6266  $[[x^2-2]$  ogf\_with\_Euler\_transform]  
A131713 8.44777  $[{a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = -2},$  ogf]  
A131714 13.2636  $[(2*x^2-2*x+1)/(x+1)/(x^2-x+1)$  ogf]  
A131714 8.55151  $[{-a(n+3)-a(n), a(0) = 1, a(1) = -2, a(2) = 2},$  ogf]  
A131715 13.5804  $[2*x*(4*x^4-3*x^3+2*x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A131715 13.6815  $-(-2+8*x^9+6*x^5-9*x^8+10*x^6+9*x^2-16*x^3)/(1+x^2)/(4*x^4-3*x^3+2*x+1)/(x^4-x^2+1)$  lgdogf  
A131716 10.3289  $[-x*(9*x^4+8*x^3+5*x^2+2*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A131717 10.5659  $[(2*x^5-x^4+2*x^3+x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A131717 7.34162  $-(2+4*x+4*x^10-x^9+9*x^8+8*x^7+10*x^6+12*x^5+14*x^4+x^3+9*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(2*x^5-x^4+2*x^3+x^2+x+1)$  lgdogf  
A131718 13.5794  $[-(x^5+2*x^4+x^3+2*x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A131718 8.17376  $-(1+4*x+5*x^6+5*x^4+8*x^3+6*x^5+3*x^2+8*x^7+3*x^8+4*x^9+x^10)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+2*x^4+x^3+2*x^2+x+1)$  lgdogf  
A131719 19.6554  $[[x^5-x^3+1]$  ogf\_with\_Euler\_transform]  
A131719 6.18581  $- (1+3*x^6-2*x^5+6*x^4-4*x^3+2*x^2)/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A131719 8.90870  $[-(x^2+1)*x/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A131720 15.6142  $[[x^5-x^3+x-1]$  ogf\_with\_Euler\_transform]  
A131720 6.31916  $- (1+3*x^6+2*x^5+6*x^4+4*x^3+2*x^2)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A131720 7.93756  $[(x^2+1)*x/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A131721 11.5418  $[(x-1)*(x^2+1)*(x^4-x^2+1)/(x^2+2*x-1)$  ogf]  
A131721 9.33032  $(1+2*x+6*x^5-17*x^6+8*x^7+5*x^8-x^2)/(x-1)/(x^2+1)/(x^2+2*x-1)/(x^4-x^2+1)$  lgdogf  
A131722 10.4347  $[-10*x*(x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A131722 23.3169  $[[x^5-x^4+1]$  ogf\_with\_Euler\_transform]  
A131722 5.17438  $- (1+2*x+3*x^8+5*x^6+6*x^5+4*x^7+4*x^3+2*x^9+3*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A131723 12.5543  $[-x*(x+2)/(x-1)/(x+1)^3$  ogf]  
A131723 23.5910  $-3*(-1+2*x+x^2)/(-1+x)/(2+x)/(x+1)$  lgdogf  
A131724 10.7465  $[-(9*x^5+11*x^4+13*x^3+7*x^2+9*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A131725 3.96620  $[x*(x^8+8*x^7+4*x^6+5*x^4+4*x^2+2*x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A131727 4.64141  $[(x^3+2*x^2+x+1)*(x^3-x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+2*x-1)/(x^4-x^2+1)$  ogf]  
A131728 18.5703  $- (1-3*x+4*x^4-7*x^3+9*x^2)/(x-1)/(1+x^2)/(x^2-x+1)$  lgdogf  
A131728 20.6411  $[-x^5+2*x^3+x^2-x+1$  ogf\_with\_Euler\_transform]  
A131728 9.53422  $[x*(x^2-x+1)/(x-1)^2/(x^2+1)^2$  ogf]  
A131729 18.0512  $[-x*(x^2-x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A131729 21.1883  $- (-1+2*x+2*x^5+4*x^3-3*x^4)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)$  lgdogf  
A131729 23.2910  $[-x^5+x^3+x^2+x-1$  ogf\_with\_Euler\_transform]  
A131730 14.6558  $[-x*(x^3+x^2-1)/(x-1)/(x^2+1)/(x+1)^2$  ogf]  
A131730 18.1521  $- (1+x+2*x^5+2*x^6+3*x^2-5*x^3)/(x-1)/(x+1)/(1+x^2)/(x^3+x^2-1)$  lgdogf  
A131731 13.8619  $[(3*x^2-x+2)/(x+1)/(x^2+1)$  ogf]  
A131731 19.9133  $- (3-2*x+3*x^4-2*x^3+2*x^2)/(x+1)/(x^2+1)/(3*x^2-x+2)$  lgdogf  
A131731 7.54978  $[{a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 2, a(1) = -3, a(2) = 4},$  ogf]  
A131732 10.2064  $[-(x^3+x^2+x-1)/(x+1)^2/(x^2+1)^2$  ogf]

A131732 18.8048  $-(x-1)*(x^2+2*x+3)*(3*x^2+2*x+1)/(x+1)/(x^2+1)/(x^3+x^2+x-1)$   
lgdogf  
A131734 16.3127  $-2*x*(-1+2*x^2-3*x^4-2*x^6+x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2-1)$  lgdogf  
A131734 16.3212  $[x*(x^4-x^2-1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) ogf]$   
A131735 10.6981  $[-x^2*(x^2+1)/(x-1)/(x^2+x+1)/(x^2-x+1) ogf]$   
A131735 14.3041  $-(1+3*x^6+6*x^4-4*x^3-2*x^5+2*x^2)/(x-1)/(1+x^2)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A131735 24.9108  $[[x^5-x^3+1] ogf\_with\_Euler\_transform]$   
A131736 15.4506  $[-x^2*(x-1)/(x^2+x+1)/(x^2-x+1) ogf]$   
A131736 23.7323  $-(-1-2*x+3*x^4-4*x^3+x^2)/(x-1)/(1+x^2+x)/(x^2-x+1)$  lgdogf  
A131736 30.3100  $[[x^5-x-1] ogf\_with\_Euler\_transform]$   
A131737 14.3365  $[x*(x^4+1)/(x^2+x+1)/(x-1)^2 ogf]$   
A131737 20.4100  $-(x+1)*(x^4+4*x^2+1)/(x-1)/(x^2+x+1)/(1+x^4)$  lgdogf  
A131737 22.0099  $[-x^7+x^3+x^2+1 ogf\_with\_Euler\_transform]$   
A131738 19.2084  $[-x*(x+2)/(x+1)^2 ogf]$   
A131738 36.2669  $-x/(1+x)^{(1/2)}/(1+(1+x)^{(1/2)})$  revogf  
A131738 60.4449  $-(x+3)/(x+2)/(x+1)$  lgdogf  
A131738 9.31894  $[{-a(n+3)-2*a(n+2)-a(n+1), a(0) = 0, a(1) = -2, a(2) = 3}, ogf]$   
A131739 17.9919  $-(3-7*x+4*x^4-7*x^3+15*x^2)/(x-1)/(1+x^2)/(x^2-x+2)$  lgdogf  
A131739 9.96046  $[x^2*(x^2-x+2)/(x-1)^2/(x^2+1)^2 ogf]$   
A131742 11.2993  $-(2-2*x+5*x^6+5*x^4+14*x^3-5*x^5+2*x^2+3*x^7)/(x-1)/(x+1)/(1+x^2)/(x^4+x^3-x^2+x+1)$  lgdogf  
A131742 6.48893  $[x^2*(x^4+x^3-x^2+x+1)/(x+1)/(x-1)^2/(x^2+1)^2 ogf]$   
A131743 16.5474  $[-x*(2*x^2+1)/(x-1)/(x+1)/(x^2+1) ogf]$   
A131743 18.0125  $-4*x*(x^2+x+1)*(x^2-x+1)/(x-1)/(x+1)/(2*x^2+1)/(1+x^2)$  lgdogf  
A131743 8.65853  $[{a(n+4)-a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 2}, ogf]$   
A131750 3.45012  $[{-a(n+3)+195*a(n+2)-195*a(n+1)+a(n), a(0) = 1, a(1) = 85, a(2) = 16381}, ogf]$   
A131750 6.23082  $[-(x^2-110*x+1)/(x-1)/(x^2-194*x+1) ogf]$   
A131751 4.11514  $[{-a(n+3)+63*a(n+2)-63*a(n+1)+a(n), a(0) = 1, a(1) = 31, a(2) = 1891}, ogf]$   
A131751 7.54017  $-(31-124*x-64*x^3+x^4+1956*x^2)/(x-1)/(x^2-32*x+1)/(x^2-62*x+1)$  lgdogf  
A131751 7.58730  $[-(x^2-32*x+1)/(x-1)/(x^2-62*x+1) ogf]$   
A131756 13.0433  $[{-a(n+3)+a(n), a(0) = 2, a(1) = -1, a(2) = 3}, ogf]$   
A131756 20.2305  $[-(3*x^2-x+2)/(x-1)/(x^2+x+1) ogf]$   
A131756 20.6467  $-(-1+6*x+6*x^2-2*x^3+3*x^4)/(x-1)/(x^2+x+1)/(3*x^2-x+2)$  lgdogf  
A131757 6.74930  $[(7*x^8+4*x^7+x^6+8*x^5+5*x^4+2*x^3+9*x^2+6*x+3)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) ogf]$   
A131761 7.13259  $[x*(x+1)*(4*x^5-2*x^4+3*x^3-2*x^2-1)/(x^2-x+1)/(5*x^3-1) ogf]$   
A131763 10.0585  $-1/2*(x-1+(1-14*x+x^2)^{(1/2)})/(1-14*x+x^2)^{(1/2)}/x$  lgdogf  
A131763 3.44474  $[{(n^2+n)*a(n)+(-15*n^2-39*n-24)*a(n+1)+(15*n^2+81*n+108)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 21}, ogf]$   
A131763 33.5283  $x*(4*x-1)/(x-1)$  revogf  
A131765 10.7114  $-1/2*(-1+x+(1-18*x+x^2)^{(1/2)})/(1-18*x+x^2)^{(1/2)}/x$  lgdogf  
A131765 36.4187  $x*(5*x-1)/(x-1)$  revogf  
A131769 3.02112  $[{a(n+4)-4*a(n+3)+4*a(n+2), a(0) = 8, a(1) = 30, a(2) = 72, a(3) = 160}, ogf]$   
A131769 5.74987  $[-2*(4*x^3+8*x^2+x-4)/(2*x-1)^2 ogf]$   
A131769 7.17727  $(15-18*x+8*x^3-12*x^2)/(2*x-1)/(4*x^3+8*x^2+x-4)$  lgdogf  
A131793 10.5659  $[(2*x^5+2*x^4-3*x^3+2*x^2+2*x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2 ogf]$   
A131793 6.67420  $-(3+7*x+4*x^10+8*x^9-8*x^8+11*x^7+15*x^6+12*x^5+14*x^4+10*x^3-4*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(2*x^5+2*x^4-3*x^3+2*x^2+2*x+1)$  lgdogf  
A131794 9.86662  $[-(x^13+x^12+x^10-x^7+x^6-x^3-x+1)/(-x^15-1) ogf\_with\_Euler\_transform]$   
A131795 18.9848  $[-x/(-x^3-x^2-x-1) ogf\_with\_Euler\_transform]$   
A131800 12.5832  $-2*(1+5*x+3*x^6+5*x^5+3*x^4+2*x^3+9*x^2)/(x-1)/(x+1)/(6*x^3+5*x^2+2*x+1)/(1+x^2)$  lgdogf

A131800 17.9893 [  $-(6*x^3+5*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A131804 13.0798 [  $-(-1+6*x+4*x^5-6*x^4+14*x^3-11*x^2)/(x-1)/(1+x^2)/(x^3-x^2+2*x-1)$  lgdogf]  
A131804 7.79990 [  $-x^2*(x^3-x^2+2*x-1)/(x^2+1)^2/(x-1)^3$  ogf]  
A131805 10.4707 [  $-x*(x^2+2*x-1)/(x+1)^2/(x-1)^3$  ogf]  
A131805 20.0964 [  $-(1-x+9*x^2+3*x^3)/(x-1)/(x+1)/(x^2+2*x-1)$  lgdogf]  
A131806 16.2364 [  $-2*(1+3*x+3*x^5+3*x^4+2*x^3)/(x-1)/(x+1)/(1+x^2)/(3*x^2+2*x+1)$  lgdogf]  
A131806 16.9617 [  $-2*x*(3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A131815 3.46419 [  $\{(16*n^3+32*n^2+12*n)*a(n)+(-8*n^2-16*n-6)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = -2\}$ , egf]  
A131820 18.6883 [  $-(6+2*x+x^3-x^2)/(x-1)/(x^3-2*x^2+2*x+1)$  lgdogf]  
A131820 3.87048 [  $\{(113*n^2+835*n+1218)*a(n+1)+(-306*n^2-2034*n-2808)*a(n+2)+(193*n^2+959*n+1140)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 16\}$ , ogf]  
A131820 9.90240 [  $(x^3-2*x^2+2*x+1)/(x-1)^4$  ogf]  
A131831 13.1272 [  $(3*x^2-1)/(2*x-1)/(x-1)^2$  ogf]  
A131831 15.6227 [  $-2*(2-6*x+3*x^3+3*x^2)/(-1+x)/(2*x-1)/(3*x^2-1)$  lgdogf]  
A131831 6.68083 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 4, a(2) = 8\}$ , ogf]  
A131833 11.3153 [  $(6*x^2-2*x-1)/(2*x-1)/(x-1)^2$  ogf]  
A131833 6.10825 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 6, a(2) = 13\}$ , ogf]  
A131835 11.2467 [  $2*(5-4*x+400*x^12-840*x^11+440*x^10)/(x-1)/(80*x^12-80*x^11+8*x^2-8*x-1)$  lgdogf]  
A131835 11.3112 [  $-(80*x^12-80*x^11+8*x^2-8*x-1)/(x-1)^2$  ogf]  
A131836 10.6395 [  $x^2*(x^20-x^19+3*x^6-2*x^5+x^3-x^2-2)/(x-1)$  ogf]  
A131836 8.81182 [  $2+2*x+15*x^6+10*x^4+2*x^3-26*x^5-4*x^2+19*x^18-38*x^19+19*x^20)/(x-1)/(x^20-x^19+3*x^6-2*x^5+x^3-x^2-2)$  lgdogf]  
A131846 3.17835 [  $\{(n^2+n)*a(n)+(-23*n^2-59*n-36)*a(n+1)+(23*n^2+125*n+168)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 55\}$ , ogf]  
A131846 41.7742 [  $x*(-1+6*x)/(x-1)$  revogf]  
A131849 5.32078 [  $-x^{15}+x^7-x^5+x^2+1$  ogf\_with\_Euler\_transform]  
A131852 4.94411 [  $-x^2*(x^40+2*x^32+x^30-x^6+1)/(x-1)/(x^2+1)/(x^8+1)/(x^32+1)$  ogf]  
A131865 11.7024 [  $-1/32*(-1-17*x+(1+25*x)^{1/2}*(9*x+1)^{1/2})/x$  revogf]  
A131865 15.7041 [  $1/(16*x-1)/(x-1)$  ogf]  
A131865 20.7042 [  $-(-17+32*x)/(16*x-1)/(x-1)$  lgdogf]  
A131865 6.46639 [  $\{-a(n+2)+17*a(n+1)-16*a(n), a(0) = 1, a(1) = 17\}$ , ogf]  
A131869 3.47855 [  $\{(n^2+n)*a(n)+(-31*n^2-79*n-48)*a(n+1)+(31*n^2+169*n+228)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 7, a(2) = 105\}$ , ogf]  
A131869 46.0069 [  $x*(-1+8*x)/(x-1)$  revogf]  
A131870 11.1381 [  $-(9*x^7+8*x^6+7*x^5+6*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A131874 13.2433 [  $(3*x^2-9*x-1)/(x-1)^3$  ogf]  
A131874 22.6437 [  $-3*(-4-4*x+x^2)/(x-1)/(3*x^2-9*x-1)$  lgdogf]  
A131874 7.08634 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 12, a(2) = 30\}$ , ogf]  
A131877 17.7800 [  $(13*x+1)/(x-1)^2$  ogf]  
A131877 22.2777 [  $-1/2*(-1-2*x+(1+56*x)^{1/2})/(-13+x)$  revogf]  
A131877 30.8461 [  $-(15+13*x)/(13*x+1)/(-1+x)$  lgdogf]  
A131877 9.85398 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 15\}$ , ogf]  
A131885 11.1167 [  $-2*(-1+x)*(2*x^3+2*x^2-3*x+1)/(2*x-1)/(2*x^2-2*x+1)/(2*x^3-2*x^2+2*x-1)$  lgdogf]  
A131885 11.6451 [  $(2*x^3-2*x^2+2*x-1)/(2*x-1)/(2*x^2-2*x+1)$  ogf]  
A131885 6.08719 [  $\{a(n+4)-4*a(n+3)+6*a(n+2)-4*a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 6\}$ , ogf]  
A131887 13.9482 [  $-(x^3+x^2-5*x-3)/(x^4-4*x^2+1)$  ogf]  
A131895 13.3177 [  $(2*x^2-6*x-1)/(x-1)^3$  ogf]  
A131895 22.7709 [  $-(-9-8*x+2*x^2)/(x-1)/(2*x^2-6*x-1)$  lgdogf]  
A131895 7.18922 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 9, a(2) = 22\}$ ,

ogf]  
 A131898 13.5852 [  $(4*x^2-x-1)/(2*x-1)/(x-1)^2$  ogf]  
 A131898 7.33358 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 5, a(2) = 11\}$ , ogf]  
 A131912 13.3359 [  $(4*x^2+6*x+1)/(x+1)/(x-1)^2$  ogf]  
 A131912 16.6137  $-(7+17*x+4*x^3+16*x^2)/(x-1)/(x+1)/(4*x^2+6*x+1)$  lgdogf  
 A131912 7.19901 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 7, a(2) = 12\}$ , ogf]  
 A131913 11.6854 [  $-(x^2-x-1)/(x^2+x-1)^2$  ogf]  
 A131913 19.3160  $-(3-3*x+2*x^3-3*x^2)/(x^2+x-1)/(x^2-x-1)$  lgdogf  
 A131921 9.09443 [  $4*(x^{50}-x^{49}-x^{48}-x^{24}-x+2)/(x-1)/(x^{49}+x^{24}-1)$  ogf]  
 A131924 12.6657  $-2*(2-6*x+x^4+4*x^3+2*x^2)/(x-1)/(-1+2*x)/(x^3+x^2+x-1)$  lgdogf  
 A131924 9.22697 [  $-(x^3+x^2+x-1)/(2*x-1)/(x-1)^3$  ogf]  
 A131926 3.34345 [  $\{(n^2+n)*a(n)+(-27*n^2-69*n-42)*a(n+1)+(27*n^2+147*n+198)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 78\}$ , ogf]  
 A131926 43.9826  $x*(-1+7*x)/(x-1)$  revogf  
 A131927 10.4829  $-1/2*(x-1+(1-34*x+x^2)^{(1/2)})/(1-34*x+x^2)^{(1/2)}/x$  lgdogf  
 A131927 34.9429  $x*(9*x-1)/(x-1)$  revogf  
 A131940 5.61141  $-343-6174*x+(147+1764*x-10584*x^2)*f(x)+(-21-126*x-4536*x^3+2268*x^2)*f(x)^2+(1-108*x^2+432*x^3)*f(x)^3$  lgdegf  
 A131941 10.9615 [  $(x^2+1)*x/(x+1)/(x-1)^4$  ogf]  
 A131941 19.7175  $-(3+7*x+3*x^2+3*x^3)/(x-1)/(x+1)/(1+x^2)$  lgdogf  
 A131941 27.4342 [  $[-x^3+2*x+3]$  ogf\_with\_Euler\_transform]  
 A131943 9.35466 [  $-(4*x^5-3*x^4-6*x^3-2*x^2-6*x-3)/(x^6-1)$  ogf\_with\_Euler\_transform]  
 A131945 12.7532 [  $-(x^5+x^4+x^3+x+1)/(x^6-1)$  ogf\_with\_Euler\_transform]  
 A131946 9.72655 [  $-(4*x^5-4*x^4-2*x^3-8*x^2-2*x-4)/(x^6-1)$  ogf\_with\_Euler\_transform]  
 A131949 10.3959 [  $-(x^3+5*x^2-x-1)/(2*x-1)/(x-1)^3$  ogf]  
 A131951 6.54888 [  $(3*x^3-7*x^2+x+1)/(2*x-1)/(x-1)^3$  ogf]  
 A131963 4.54403 [  $-(2*x^8-x^7-x^6-2*x^5-3*x^4-x^3-x-1)/(x^9+x^8+x^7+x^6+2*x^5+2*x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
 A131969 14.1371 [  $(6*x^2-2*x+3)/(x+1)/(x^2-x+1)$  ogf]  
 A131969 14.8281  $-(2-12*x+9*x^2-4*x^3+6*x^4)/(x+1)/(x^2-x+1)/(6*x^2-2*x+3)$  lgdogf  
 A131969 9.11470 [  $\{-a(n+3)-a(n), a(0) = 3, a(1) = -2, a(2) = 6\}$ , ogf]  
 A131970 4.48978 [  $\{-a(n+2)+101*a(n+1)-100*a(n), a(0) = 1, a(1) = 122\}$ , ogf]  
 A131970 7.40694  $-1/2*(-1-101*x+(1+286*x+9801*x^2)^{(1/2)})/(-21+100*x)$  revogf  
 A131970 7.86043  $-2*(-61+100*x+1050*x^2)/(-1+x)/(21*x+1)/(100*x-1)$  lgdogf  
 A131970 7.90202 [  $(21*x+1)/(100*x-1)/(x-1)$  ogf]  
 A131973 7.18937 [  $-121*(8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
 A131974 7.06371 [  $(2*x^7+3*x^6+4*x^5+5*x^4-4*x^3-3*x^2-2*x-1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
 A131981 9.63222 [  $x^{11}*(x^{10}-x^9-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
 A131986 6.56165 [  $-(3*x^7-3*x^6-3*x^5-3*x^4-3*x^3-3*x^2-3*x-3)/(x^9-1)$  ogf\_with\_Euler\_transform]  
 A131999 7.95866 [  $-(4*x^7-2*x^6-3*x^5-2*x^4-6*x^3-2*x^2-3*x-2)/(x^8-1)$  ogf\_with\_Euler\_transform]  
 A132000 10.0228 [  $-(6*x^5-x^4-5*x^3-6*x^2-5*x-1)/(x^6-1)$  ogf\_with\_Euler\_transform]  
 A132016 12.4328 [  $-(x^{31}+x^{30}-2*x^5+2)/(-x^{31}+x^5-1)$  ogf\_with\_Euler\_transform]  
 A132030 4.13371 [  $(5*x^{17}-x^{16}-x^{15}-x^{14}-x^{13}-x^{12}-11*x^{11}+x^{10}+x^9+x^8+x^7+x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2/(x-1)^3$  ogf]  
 A132041 9.44059 [  $-(2*x^8+4*x^7+2*x^6+4*x^5+4*x^3+2*x^2+4*x+2)/(-x^{10}+1)$  ogf\_with\_Euler\_transform]  
 A132045 12.9493 [  $-(2*x^3-2*x+1)/(2*x-1)/(x-1)^2$  ogf]  
 A132045 15.2117  $-2*(-1+4*x+5*x^3-7*x^2)/(x-1)/(2*x-1)/(2*x^3-2*x+1)$  lgdogf  
 A132045 5.98413 [  $\{a(n+4)-4*a(n+3)+5*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 6\}$ , ogf]

A132051 2.85287 [  $\{(-4^n \cdot 3 - 90 \cdot n^2 - 674 \cdot n - 1680) \cdot a(n+1) + (4 \cdot n^2 + 53 \cdot n + 153) \cdot a(n+2) + (-n-3) \cdot a(n+3)\}$ ,  $a(0) = 1$ ,  $a(1) = 63$ ,  $a(2) = 2730$ }, ogf]  
A132052 2.92412 [  $\{(-4^n \cdot 3 - 102 \cdot n^2 - 866 \cdot n - 2448) \cdot a(n+1) + (4 \cdot n^2 + 59 \cdot n + 186) \cdot a(n+2) + (-n-3) \cdot a(n+3)\}$ ,  $a(0) = 1$ ,  $a(1) = 84$ ,  $a(2) = 4662$ }, ogf]  
A132054 2.66670 [  $\{(-4^n \cdot 3 - 126 \cdot n^2 - 1322 \cdot n - 4620) \cdot a(n+1) + (4 \cdot n^2 + 71 \cdot n + 261) \cdot a(n+2) + (-n-3) \cdot a(n+3)\}$ ,  $a(0) = 1$ ,  $a(1) = 135$ ,  $a(2) = 11385$ }, ogf]  
A132058 7.71996  $x \cdot (1 + 365 \cdot x^2 + 2925 \cdot x^3 + 42799 \cdot x^6 + 27 \cdot x + 14043 \cdot x^4 + 37449 \cdot x^5) / (1 + 8 \cdot x)^7$  revogf  
A132059 8.08117  $x \cdot (1 + 155 \cdot x^2 + 925 \cdot x^3 + 5713 \cdot x^6 + 15 \cdot x + 3333 \cdot x^4 + 6665 \cdot x^5) / (1 + 6 \cdot x)^7$  revogf  
A132060 6.53543  $(-49 \cdot n - 105) \cdot a(n+1) + (14 \cdot n + 36) \cdot a(n+2) + (-n-3) \cdot a(n+3)$ ,  $a(0) = 9$ ,  $a(1) = 64$ ,  $a(2) = 452$  lgdegf  
A132061 6.24657  $(-49 \cdot n - 105) \cdot a(n+1) + (14 \cdot n + 36) \cdot a(n+2) + (-n-3) \cdot a(n+3)$ ,  $a(0) = 7$ ,  $a(1) = 48$ ,  $a(2) = 332$  lgdegf  
A132063 7.29649  $(-16 \cdot n - 28) \cdot a(n+1) + (8 \cdot n + 19) \cdot a(n+2) + (-n-3) \cdot a(n+3)$ ,  $a(0) = 2$ ,  $a(1) = 9$ ,  $a(2) = 75/2$  lgdegf  
A132069 8.72860 [  $-(4 \cdot x^9 + x^8 + 3 \cdot x^7 + x^6 + 3 \cdot x^5 + 4 \cdot x^4 + 3 \cdot x^3 + x^2 + 3 \cdot x + 1) / (-x^{10} + 1)$  ogf\_with\_Euler\_transform]  
A132072 6.54888 [  $(2 \cdot x^4 - 4 \cdot x^3 - x + 1) / (2 \cdot x - 1) / (x - 1)^3$  ogf]  
A132074 10.8238 [  $(2 \cdot x^3 + 2 \cdot x^2 - 1) / (2 \cdot x - 1) / (x - 1)^2$  ogf]  
A132074 13.5232  $-2 \cdot (2 - 5 \cdot x + 7 \cdot x^3 - x^2) / (x - 1) / (-1 + 2 \cdot x) / (2 \cdot x^3 + 2 \cdot x^2 - 1)$  lgdogf  
A132074 5.28981 [  $\{a(n+4) - 4 \cdot a(n+3) + 5 \cdot a(n+2) - 2 \cdot a(n+1)\}$ ,  $a(0) = 1$ ,  $a(1) = 4$ ,  $a(2) = 9$ ,  $a(3) = 16$ }, ogf]  
A132079 11.8398 [  $-2 \cdot (4 \cdot x - 1) / (5 \cdot x - 1) / (x - 1)$  ogf]  
A132079 13.3490  $-(7 - 20 \cdot x + 25 \cdot x^2) / (-1 + x) / (5 \cdot x - 2) / (5 \cdot x - 1)$  lgdogf  
A132079 13.3490  $-1/5 \cdot (-2 - 3 \cdot x + (4 + 2 \cdot x + 4 \cdot x^2)^{(1/2)}) / (2 + x)$  revogf  
A132079 6.49745 [  $\{a(n+2) - 6 \cdot a(n+1) + 5 \cdot a(n)\}$ ,  $a(0) = 2$ ,  $a(1) = 4$ }, ogf]  
A132086 10.9525 [  $\{-a(n+2) + 2 \cdot a(n+1) - a(n)\}$ ,  $a(0) = 1$ ,  $a(1) = 2$ }, ogf]  
A132086 110.124  $-2 / (x - 1)$  lgdogf  
A132086 27.2152 [  $1 / (x - 1)^2$  ogf]  
A132086 38.3041  $4 \cdot x / (1 + (4 \cdot x + 1)^{(1/2)})^2$  revogf  
A132109 13.2631  $-(3 - 10 \cdot x + 2 \cdot x^4 + 8 \cdot x^2) / (x - 1) / (-1 + 2 \cdot x) / (x^3 - x^2 + 2 \cdot x - 1)$  lgdogf  
A132109 9.13695 [  $-(x^3 - x^2 + 2 \cdot x - 1) / (2 \cdot x - 1) / (x - 1)^3$  ogf]  
A132112 12.0314 [  $x \cdot (7 \cdot x + 4) / (x - 1)^4$  ogf]  
A132112 32.1240  $-(23 + 21 \cdot x) / (7 \cdot x + 4) / (x - 1)$  lgdogf  
A132112 5.14502 [  $\{(8 + 4 \cdot n) \cdot a(n+3) + (-20 + 3 \cdot n) \cdot a(n+2) + (-21 - 7 \cdot n) \cdot a(n+1)\}$ ,  $a(0) = 0$ ,  $a(1) = 4$ ,  $a(2) = 23$ }, ogf]  
A132117 10.4806 [  $-(x+1) \cdot (2 \cdot x+1) / (x-1)^5$  ogf]  
A132117 21.9814  $-2 \cdot (2+x) \cdot (3 \cdot x+2) / (-1+x) / (2 \cdot x+1) / (x+1)$  lgdogf  
A132117 4.16063 [  $\{(-n-4) \cdot a(n+4) + (2-2 \cdot n) \cdot a(n+3) + (18+n) \cdot a(n+2) + (8+2 \cdot n) \cdot a(n+1)\}$ ,  $a(0) = 1$ ,  $a(1) = 8$ ,  $a(2) = 32$ ,  $a(3) = 90$ }, ogf]  
A132122 13.6659  $-(33 + 97 \cdot x + 3 \cdot x^3 + 47 \cdot x^2) / (x - 1) / (x^3 + 11 \cdot x^2 + 15 \cdot x + 3)$  lgdogf  
A132122 3.46903 [  $\{(-227 \cdot n^2 - 1363 \cdot n - 2046) \cdot a(n+1) + (394 \cdot n^2 + 1892 \cdot n + 5106) \cdot a(n+2) + (-167 \cdot n^2 - 829 \cdot n - 990) \cdot a(n+3)\}$ ,  $a(0) = 0$ ,  $a(1) = 3$ ,  $a(2) = 33$ }, ogf]  
A132122 6.66598 [  $x \cdot (x^3 + 11 \cdot x^2 + 15 \cdot x + 3) / (x - 1)^6$  ogf]  
A132123 13.9309  $-2 \cdot (55 + 139 \cdot x + x^3 + 45 \cdot x^2) / (x - 1) / (x^3 + 29 \cdot x^2 + 55 \cdot x + 11)$  lgdogf  
A132123 3.60437 [  $\{(-262 \cdot n^2 - 1203 \cdot n - 1358) \cdot a(n+1) + (752 \cdot n^2 + 4184 \cdot n + 9422) \cdot a(n+2) + (-490 \cdot n^2 - 2069 \cdot n - 2178) \cdot a(n+3)\}$ ,  $a(0) = 0$ ,  $a(1) = 11$ ,  $a(2) = 110$ }, ogf]  
A132123 7.66887 [  $-x \cdot (x^3 + 29 \cdot x^2 + 55 \cdot x + 11) / (x - 1)^5$  ogf]  
A132124 11.7477 [  $x \cdot (5 \cdot x + 3) / (x - 1)^4$  ogf]  
A132124 31.3555  $-(17 + 15 \cdot x) / (5 \cdot x + 3) / (x - 1)$  lgdogf  
A132124 5.02367 [  $\{(6 + 3 \cdot n) \cdot a(n+3) + (-15 + 2 \cdot n) \cdot a(n+2) + (-15 - 5 \cdot n) \cdot a(n+1)\}$ ,  $a(0) = 0$ ,  $a(1) = 3$ ,  $a(2) = 17$ }, ogf]  
A132126 11.4744 [  $x \cdot (2 \cdot x^{29} - 2 \cdot x^{28} + x^{11} - x^{10} + x^5 - x^4 - 1) / (x - 1)$  ogf]  
A132126 8.66116  $(1 + 56 \cdot x^{27} - 112 \cdot x^{28} + 56 \cdot x^{29} + 10 \cdot x^9 - 20 \cdot x^{10} + 10 \cdot x^{11} - 8 \cdot x^4 + 4 \cdot x^5 + 4 \cdot x^3) / (x - 1) / (2 \cdot x^{29} - 2 \cdot x^{28} + x^{11} - x^{10} + x^5 - x^4 - 1)$  lgdogf  
A132145 13.8245 [  $-(x^{34} - x^{33} + x - 2) / (x - 1)^2$  ogf]  
A132151 20.1859 [  $x^7 - x^4$  ogf\_with\_Euler\_transform]  
A132151 9.79747  $-x^4 \cdot (15 \cdot x^2 + 12 \cdot x^3 + 5 + 10 \cdot x + 9 \cdot x^4 + 6 \cdot x^5 + 3 \cdot x^6) / (x + 1) / (x^2 + 1) / (x^4 + x^3 + x^2 + x + 1) / (x^4 + 1)$  lgdogf

A132152 7.05272 [  $-x^3(2x+1)(4x^2+1)(2x^2+2x+1)/(16x^8+10x^4-1)$  ogf]  
A132162 6.60426 [  $-(54x^{28}-36x^{27}-18x^{26}+18x^{10}-12x^9-6x^8+6x^4-4x^3-x^2-2x-1)/(x+1)/(x-1)^2$  ogf]  
A132164 10.0212  $-(8-42x+105x^2-140x^3+105x^4-42x^5+7x^6)/(x-1)^7$  lgdegf  
A132165 12.3776  $-(6-42x+7x^6-42x^5+105x^4-140x^3+105x^2)/(x-1)^7$  lgdegf  
A132167 10.6968  $-1/6*(-(37x+1)^{1/6}+(1+x)^{1/6})/(37x+1)^{1/6}$  revogf  
A132167 3.88027 [  $-(3x-1)(12x^2-6x+1)(36x^2-6x+1)/(47952x^6-47952x^5+19980x^4-4440x^3+555x^2-37x+1)$  ogf]  
A132168 10.7624  $1/6*((1+35x)^{1/6}+(x-1)^{1/6})*(-1)^{5/6}/(1+35x)^{1/6}$  revogf  
A132168 4.45933 [  $-(3x-1)(12x^2-6x+1)(36x^2-6x+1)/(45360x^6-45360x^5+18900x^4-4200x^3+525x^2-35x+1)$  ogf]  
A132171 6.70929 [  $-(18x^{37}+9x^{36}-54x^{22}-36x^{13}-6x^{10}-3x^9-6x^4-2x-1)/(x-1)/(9x^{36}-3x^9-1)$  ogf]  
A132174 6.81371 [  $-(5x^7-x^6+x^5+x^4+x^3-3x^2+2x+1)/(2x-1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A132176 3.55738 [  $-(x^7-2x^2-1)/(2x-1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A132179 10.0260 [  $-(-x^3+x^2-x+1)/(-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A132180 12.6388 [  $-(x^4+2x^3-2x^2+2x+1)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A132208 11.5330  $-(41+38x+11x^2)/(-1+x)/(11x^2+8x+11)$  lgdogf  
A132208 4.09301 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 11, a(1) = 41, a(2) = 101\}$ , ogf]  
A132208 7.53633 [  $-(11x^2+8x+11)/(x-1)^3$  ogf]  
A132209 12.5665 [  $x(x+1)(x-3)/(x-1)^3$  ogf]  
A132209 19.3666  $-(-11-2x+x^2)/(x-1)/(x-3)/(x+1)$  lgdogf  
A132209 6.14153 [  $\{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 0, a(1) = 3, a(2) = 11, a(3) = 23\}$ , ogf]  
A132212 9.70483 [  $-(-x^6-x^5-2x^4-x^3-2x^2-x-1)/(-x^8+1)$  ogf\_with\_Euler\_transform]  
A132217 12.0195 [  $-(-x^6-x^3-1)/(-x^8+x^6-x^2+1)$  ogf\_with\_Euler\_transform]  
A132222 7.95774 [  $(2x^8+x^7+4x^6+2x^5+4x^4+2x^3+4x^2+2x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A132270 11.1463  $-(1+x+x^2+x^3+x^4+x^5+8x^6)/(-1+x)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A132270 16.2666 [  $x^7/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A132271 5.81674 [  $-(10x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x^4-x^3+x^2-x+1)^2/(x-1)^3$  ogf]  
A132272 10.8144  $-(1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+11x^9)/(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)/(x+1)$  lgdogf  
A132272 22.8117 [  $1/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A132272 46.6077 [  $x^9+1$  ogf\_with\_Euler\_transform]  
A132292 11.0703  $-(1+x+x^2+x^3+x^4+x^5+x^6+9x^7)/(-1+x)/(x+1)/(1+x^2)/(x^4+1)$  lgdogf  
A132292 16.0454 [  $x^8/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A132301 11.3207 [  $-(-3x^4-2x^3-2x^2-2x-3)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A132308 10.9493 [  $-(2x^2-x+1)/(3x-1)/(x-1)^2$  ogf]  
A132308 15.2297  $-2*(-2+3x+3x^3)/(x-1)/(3x-1)/(2x^2-x+1)$  lgdogf  
A132308 5.91071 [  $\{a(n+3)-5a(n+2)+7a(n+1)-3a(n), a(0) = 1, a(1) = 4, a(2) = 15\}$ , ogf]  
A132310 23.4234  $-(-5+18x)/(-1+4x)/(3x-1)$  lgdogf  
A132310 4.18925 [  $\{(-n-3)a(n+3)+(19+7n)a(n+2)+(-30-12n)a(n+1), a(0) = 1, a(1) = 5, a(2) = 21\}$ , ogf]  
A132314 10.1744 [  $2x*(2x^2+2x+1)/(2x^2-1)^2$  ogf]  
A132314 13.2622  $-2*(1+6x+4x^3+6x^2)/(2x^2-1)/(1+2x^2+2x)$  lgdogf  
A132314 5.39686 [  $\{(2n+6)a(n+1)+(-n-1)a(n+3), a(0) = 0, a(1) = 2, a(2) = 4\}$ , ogf]  
A132315 10.5026  $(5-2x+656x^{14}-640x^{15}-224x^{13}+208x^{16})/(x-1)/(16x^{16}-32x^{15}+16x^{14}+x-2)$  lgdogf  
A132315 9.67443 [  $x*(16x^{16}-32x^{15}+16x^{14}+x-2)/(x-1)^3$  ogf]  
A132322 16.1666 [  $-(x^{24}-x^{22}-1)/(x^2-1)$  ogf\_with\_Euler\_transform]



A132337 14.7662 [  $x^*(x-2)/(x-1)^3$  ogf]  
A132337 39.5099  $-(-5+2*x)/(x-1)/(x-2)$  lgdogf  
A132337 7.58266 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 5\}$ , ogf]  
A132341 4.47690 [  $\{(-128*n^3+64*n^2+8*n-4)*a(n)+(2*n^3+5*n^2+4*n+1)*a(n+1), a(0) = 1, a(1) = 2\}$ , ogf]  
A132342 5.84026 [  $(x-1)*(2*x^{14}+2*x^{13}+2*x^{12}-2*x^{10}-6*x^9-10*x^8-14*x^7-16*x^6-16*x^5-14*x^4-10*x^3-6*x^2-3*x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A132343 4.97242 [  $(2*x^9-11*x^8+15*x^7+x^6-16*x^5+13*x^4+x^3-8*x^2+5*x-1)/(x-1)/(x^4-5*x^3+6*x^2-4*x+1)$  ogf]  
A132344 13.6804  $-4*(1+3*x+2*x^3+6*x^2)/(2*x^2-1)/(1+2*x^2+4*x)$  lgdogf  
A132344 14.7056 [  $x*(2*x^2+4*x+1)/(2*x^2-1)^2$  ogf]  
A132344 7.80036 [  $\{(2*n+6)*a(n+1)+(-n-1)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A132353 10.3618 [  $-(3*x^3-x+1)/(3*x-1)/(x+1)/(x^2-x+1)$  ogf]  
A132353 9.52368  $-(2+6*x^2-4*x^3-9*x^4+9*x^6)/(-1+3*x)/(x+1)/(x^2-x+1)/(3*x^3-x+1)$  lgdogf  
A132354 10.2340 [  $-x*(5*x^2+4*x+5)/(x+1)^2/(x-1)^3$  ogf]  
A132354 16.6792  $-3*(3+13*x+5*x^3+7*x^2)/(x-1)/(x+1)/(5*x^2+4*x+5)$  lgdogf  
A132355 15.7086  $-(11+53*x+21*x^3+23*x^2)/(x-1)/(x+1)/(7*x^2+4*x+7)$  lgdogf  
A132355 9.83927 [  $-x*(7*x^2+4*x+7)/(x+1)^2/(x-1)^3$  ogf]  
A132356 10.1798 [  $-4*x*(2*x^2+x+2)/(x+1)^2/(x-1)^3$  ogf]  
A132356 17.6729  $-3*(1+5*x+2*x^3+2*x^2)/(x-1)/(x+1)/(2*x^2+x+2)$  lgdogf  
A132357 9.92048 [  $-(2*x^2+x+1)/(3*x-1)/(x+1)/(x^2-x+1)$  ogf]  
A132364 7.89267  $1/2*(-1+4*x-12*x^3+3*x^2+(-(-1+4*x)*(x^2+1-6*x)^2)^{(1/2)})/(-1+4*x)/(x^3-x+1)$  lgdogf  
A132366 19.3007  $-2*(3+3*x+3*x^2+x^3)/(-1+x)/(x+1)/(1+x^2)$  lgdogf  
A132366 3.93162 [  $\{(n^2+10*n+21)*a(n+1)+(-2*n^2-12*n+2)*a(n+2)+(n^2+2*n-3)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 21, a(3) = 56, a(4) = 125\}$ , ogf]  
A132366 32.0108 [  $[-x^3+6]$  ogf\_with\_Euler\_transform]  
A132366 9.26417 [  $-(x+1)*(x^2+1)/(x-1)^5$  ogf]  
A132367 12.5970 [  $\{-a(n+3)-a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A132367 19.5381 [  $(2*x^2+x+1)/(x+1)/(x^2-x+1)$  ogf]  
A132367 21.3590  $-(-1-4*x+3*x^2+2*x^3+2*x^4)/(x+1)/(x^2-x+1)/(2*x^2+x+1)$  lgdogf  
A132368 8.62178 [  $x*(x^7+2*x^6+x^5-2*x^4+3*x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A132371 4.32001 [  $\{(n^2+5*n+6)*a(n+1)+(-n^2-6*n-7)*a(n+2)+(n+1)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A132373 3.70529 [  $\{(168*n+336)*a(n+1)+(-24*n-48)*a(n+2)+(-7*n-35)*a(n+3)+(n+5)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 7, a(3) = 13\}$ , ogf]  
A132373 35.3737  $x*(1+x)/(1+2*x+7*x^2)$  revogf  
A132374 3.24036 [  $\{(-224*n-448)*a(n+1)+(28*n+56)*a(n+2)+(8*n+40)*a(n+3)+(-n-5)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 8, a(3) = 15\}$ , ogf]  
A132374 30.8725  $x*(1+x)/(1+2*x+8*x^2)$  revogf  
A132375 28.8166  $x*(1+x)/(1+2*x+9*x^2)$  revogf  
A132380 12.3355 [  $x^2*(x+1)/(x^4+1)$  ogf]  
A132380 18.2696 [  $x^7-x^3-x+1$  ogf\_with\_Euler\_transform]  
A132380 28.4528  $-(-1+3*x^4+4*x^3)/(x+1)/(1+x^4)$  lgdogf  
A132383 13.1698  $4*(-1+12*x^5-15*x^4+240*x^{21}-252*x^{20})/(x-1)/(48*x^{21}+12*x^5+3*x+1)$  lgdogf  
A132383 16.0612 [  $-(48*x^{21}+12*x^5+3*x+1)/(x-1)$  ogf]  
A132390 6.79099  $2*(-3-64*x^5-184*x^4-48*x^3+128*x^6+54*x^2)/(2*x+1)/(2*x-1)/(4*x-1)/(16*x^4-4*x^3+12*x^2+6*x-3)$  lgdogf  
A132390 8.22320 [  $-(16*x^4-4*x^3+12*x^2+6*x-3)/(2*x+1)/(2*x-1)/(4*x-1)$  ogf]  
A132395 5.21734 [  $\{a(n+2)-155*a(n+1)+1584*a(n), a(0) = 1, a(1) = 23\}$ , ogf]  
A132395 8.63204  $-(23-3168*x+209088*x^2)/(11*x-1)/(132*x-1)/(144*x-1)$  lgdogf  
A132395 8.63204  $-1/264*(-1-155*x+(1-218*x+17689*x^2)^{(1/2)})/(1+12*x)$  revogf  
A132395 8.82935 [  $-(132*x-1)/(144*x-1)/(11*x-1)$  ogf]  
A132397 13.7804 [  $2*(2*x-1)/(x+1)/(8*x-1)$  ogf]  
A132397 14.1426  $1/8*(-2-7*x+(4+12*x+81*x^2)^{(1/2)})/(-1+2*x)$  revogf

A132397 16.0035  $-(1+4*x)*(4*x-5)/(8*x-1)/(2*x-1)/(x+1)$  lgdogf  
A132397 7.47128  $[{-a(n+2)+7*a(n+1)+8*a(n), a(0) = 2, a(1) = 10}]$ , ogf]  
A132400 10.4471  $-(5+6*x+x^6+6*x^5+15*x^4+4*x^3+3*x^2)/(x-1)/(x+1)/(1+x^2)/(x^3+3*x^2+5*x+1)$  lgdogf  
A132400 14.0604  $[ -(x^3+3*x^2+5*x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A132401 10.6282  $-(-1-6*x+30*x^6+18*x^5+6*x^4-6*x^3+31*x^8+34*x^7+6*x^{10}+16*x^9-8*x^2)/(x+1)/(x^2+1)/(x^2+x+1)/(2*x^2+x+1)/(x^4+1)$  lgdogf  
A132401 7.73873  $[ x^2*(x^2+x+1)*(2*x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A132402 12.0827  $-(-3+10*x+4*x^3-14*x^2)/(x-1)/(2*x-1)/(2*x^2-2*x+1)$  lgdogf  
A132402 7.97070  $[ -(x-1)^3/(2*x^2-2*x+1)/(2*x-1)^2$  ogf]  
A132411 12.7028  $[ x*(x^3-2*x^2-1)/(x-1)^3$  ogf]  
A132411 24.6633  $-(-3-4*x+x^2)/(x-1)/(x^3-2*x^2-1)$  lgdogf  
A132411 5.73392  $[{a(n+5)-3*a(n+4)+3*a(n+3)-a(n+2), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 8, a(4) = 15}]$ , ogf]  
A132418 2.98318  $[ -(21*x^5+10*x^4+5*x^3+3*x^2+2*x+1)/(43*x^6-1)$  ogf]  
A132419 11.5645  $[{-a(n+3)-a(n), a(0) = 1, a(1) = 1, a(2) = -2}]$ , ogf]  
A132419 17.9367  $[ -(2*x+1)*(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A132419 19.2727  $-(-1-4*x-3*x^2-2*x^3+2*x^4)/(x-1)/(1+2*x)/(x+1)/(x^2-x+1)$  lgdogf  
A132429 15.6946  $[ (3*x^2+4*x+3)/(x+1)/(x^2+1)$  ogf]  
A132429 22.5023  $-(-1+10*x^2+8*x^3+3*x^4)/(x+1)/(x^2+1)/(3*x^2+4*x+3)$  lgdogf  
A132429 8.54794  $[{-a(n+3)-a(n+2)-a(n+1)-a(n), a(0) = 3, a(1) = 1, a(2) = -1}]$ , ogf]  
A132433 15.6285  $[ -(x-2)/(8*x-1)/(x-1)$  ogf]  
A132433 16.0722  $-1/2*(-2-9*x+(4+32*x+49*x^2)^{(1/2)})/(1+8*x)$  revogf  
A132433 18.6785  $-(-17-32*x+8*x^2)/(x-1)/(x-2)/(-1+8*x)$  lgdogf  
A132433 8.47330  $[{-a(n+2)+9*a(n+1)-8*a(n), a(0) = 2, a(1) = 17}]$ , ogf]  
A132434 12.5705  $-1/16*(-104-9*x+(10816+2384*x+49*x^2)^{(1/2)})/(-16+x)$  revogf  
A132434 13.5805  $[ 8*(16*x+13)/(8*x-1)/(x-1)$  ogf]  
A132434 14.2101  $-(-133+208*x+128*x^2)/(x-1)/(16*x+13)/(-1+8*x)$  lgdogf  
A132434 7.64877  $[{-a(n+2)+9*a(n+1)-8*a(n), a(0) = 104, a(1) = 1064}]$ , ogf]  
A132458 12.4655  $-4*(6+46*x+x^4+21*x^3+66*x^2)/(x-1)/(x^4+16*x^3+36*x^2+16*x+1)$  lgdogf  
A132458 4.62099  $[{(-n^2-4*n-4)*a(n+1)+(2*n^2+4*n+18)*a(n+2)-a(n+3)*n^2, a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1}]$ , ogf]  
A132458 5.83704  $[ x^3*(x^4+16*x^3+36*x^2+16*x+1)/(x-1)^8$  ogf]  
A132462 14.4921  $[-(x^4-x^3+x^2+x)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A132463 15.3222  $[-(x^3-x^2+x-1)/(x^6+1)$  ogf\_with\_Euler\_transform]  
A132464 3.61490  $[ x^5*(x^6+36*x^5+225*x^4+400*x^3+225*x^2+36*x+1)/(x-1)^{12}$  ogf]  
A132464 4.18999  $[{(-n^3-4*n^2-4*n)*a(n+1)+(n^3-7*n^2+15*n-9)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 1}]$ , ogf]  
A132464 7.63718  $-6*(8+141*x+x^6+43*x^5+330*x^4+750*x^3+575*x^2)/(x-1)/(x^6+36*x^5+225*x^4+400*x^3+225*x^2+36*x+1)$  lgdogf  
A132465 3.96050  $[{(-2*n^3-7*n^2-4*n+4)*a(n+1)+(2*n^3-19*n^2+56*n-48)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 1}]$ , ogf]  
A132465 6.76414  $-7*(9+217*x+57*x^6+609*x^5+2065*x^4+2625*x^3+x^7+1281*x^2)/(x-1)/(x+1)/(x^6+48*x^5+393*x^4+832*x^3+393*x^2+48*x+1)$  lgdogf  
A132465 7.79977  $[ x^6*(x+1)*(x^6+48*x^5+393*x^4+832*x^3+393*x^2+48*x+1)/(x-1)^{14}$  ogf]  
A132466 3.88923  $[{(-n^3-3*n^2+4)*a(n+1)+(n^3-12*n^2+45*n-50)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 0, a(7) = 1}]$ , ogf]  
A132469 14.8035  $-1/64*(-1-33*x+(1+66*x+961*x^2)^{(1/2)})/x$  revogf  
A132469 17.1612  $[ x/(32*x-1)/(x-1)$  ogf]  
A132469 22.7746  $-(-33+64*x)/(32*x-1)/(x-1)$  lgdogf  
A132469 7.23664  $[{a(n+2)-33*a(n+1)+32*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A132477 17.6380  $[ -(4*x^2+2*x+1)/(2*x-1)$  ogf]  
A132477 9.33774  $[{-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 4, a(2) = 12}]$ , ogf]  
A132583 12.2553  $-1/20*(-11-11*x+(121+242*x+81*x^2)^{(1/2)})/x$  revogf  
A132583 14.9531  $[ 11/(10*x-1)/(x-1)$  ogf]  
A132583 20.2683  $-(-11+20*x)/(10*x-1)/(x-1)$  lgdogf  
A132583 6.18747  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 11, a(1) = 121}]$ , ogf]

A132584 11.1520  $-2*(10-19*x-8*x^2+x^3)/(x-1)/(x+1)/(x^2-18*x+1)$  lgdogf  
A132584 4.67231  $[ \{a(n+3)-19*a(n+2)+19*a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 80\}, \text{ogf}]$   
A132584 9.02785  $[ -4*x*(x+1)/(x-1)/(x^2-18*x+1)$  ogf]  
A132592 11.4369  $-2*(18-35*x+x^3-16*x^2)/(x-1)/(x+1)/(x^2-34*x+1)$  lgdogf  
A132592 4.84601  $[ \{a(n+3)-35*a(n+2)+35*a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 288\}, \text{ogf}]$   
A132592 9.44561  $[ -8*x*(x+1)/(x-1)/(x^2-34*x+1)$  ogf]  
A132593 11.7835  $-2*(20-39*x+x^3-18*x^2)/(x-1)/(x+1)/(x^2-38*x+1)$  lgdogf  
A132593 4.99066  $[ \{a(n+3)-39*a(n+2)+39*a(n+1)-a(n), a(0) = 0, a(1) = 9, a(2) = 360\}, \text{ogf}]$   
A132593 9.72756  $[ -9*x*(x+1)/(x-1)/(x^2-38*x+1)$  ogf]  
A132594 3.58241  $[ \{a(n+3)-255*a(n+2)+255*a(n+1)-a(n), a(0) = 0, a(1) = 63, a(2) = 16128\}, \text{ogf}]$   
A132594 6.82363  $[ -63*x*(x+1)/(x-1)/(x^2-254*x+1)$  ogf]  
A132594 8.12374  $-2*(128-255*x+x^3-126*x^2)/(x-1)/(x+1)/(x^2-254*x+1)$  lgdogf  
A132596 12.1618  $-2*(6-11*x-4*x^2+x^3)/(x-1)/(x+1)/(x^2-10*x+1)$  lgdogf  
A132596 4.98489  $[ \{a(n+3)-11*a(n+2)+11*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 24\}, \text{ogf}]$   
A132596 9.63181  $[ -2*x*(x+1)/(x-1)/(x^2-10*x+1)$  ogf]  
A132607 3.81019  $[ \{a(n+3)-399*a(n+2)+399*a(n+1)-a(n), a(0) = 0, a(1) = 99, a(2) = 39600\}, \text{ogf}]$   
A132607 7.25751  $[ -99*x*(x+1)/(x-1)/(x^2-398*x+1)$  ogf]  
A132607 8.64940  $-2*(200-399*x+x^3-198*x^2)/(x-1)/(1+x)/(x^2-398*x+1)$  lgdogf  
A132644 3.55818  $[ \{a(n+3)-1299*a(n+2)+1299*a(n+1)-a(n), a(0) = 0, a(1) = 324, a(2) = 421200\}, \text{ogf}]$   
A132644 6.58528  $[ -324*x*(x+1)/(x-1)/(x^2-1298*x+1)$  ogf]  
A132658 5.89667  $[ x^2*(x-1)*(2*x+1)*(x+1)*(x^2+x+1)*(4*x^2-2*x+1)*(4*x^2+2*x+1)/(43*x^6-1)$  ogf]  
A132672 7.93688  $(8+120*x^7-225*x^8+105*x^9-1984*x^16+1024*x^15+960*x^17-10*x)/(x-1)/(64*x^17-64*x^16+15*x^9-15*x^8+8*x^2-6*x-1)$  lgdogf  
A132672 9.86924  $[ -(64*x^17-64*x^16+15*x^9-15*x^8+8*x^2-6*x-1)/(x-1)^2$  ogf]  
A132673 7.72802  $(9+153*x^8-289*x^9+136*x^10+1458*x^17-2835*x^18+1377*x^19-11*x)/(x-1)/(81*x^19-81*x^18+17*x^10-17*x^9+9*x^2-7*x-1)$  lgdogf  
A132673 9.76197  $[ -(81*x^19-81*x^18+17*x^10-17*x^9+9*x^2-7*x-1)/(x-1)^2$  ogf]  
A132674 7.33912  $(10-12*x+190*x^9-361*x^10+171*x^11+2000*x^19-3900*x^20+1900*x^21)/(x-1)/(100*x^21-100*x^20+19*x^11-19*x^10+10*x^2-8*x-1)$  lgdogf  
A132674 9.35032  $[ -(100*x^21-100*x^20+19*x^11-19*x^10+10*x^2-8*x-1)/(x-1)^2$  ogf]  
A132677 11.2636  $[ \{a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 2\}, \text{ogf}]$   
A132677 20.5249  $[ (3*x+1)/(x^2+x+1)$  ogf]  
A132677 27.8126  $-1/2*(x-1+(1+10*x-3*x^2)^{(1/2)})/(-3+x)$  revogf  
A132677 32.0266  $-(-2+2*x+3*x^2)/(3*x+1)/(x^2+x+1)$  lgdogf  
A132708 12.5970  $[ \{a(n+3)+a(n), a(0) = 4, a(1) = 2, a(2) = 1\}, \text{ogf}]$   
A132708 19.5381  $[ (x^2+2*x+4)/(x+1)/(x^2-x+1)$  ogf]  
A132708 21.7545  $-(-2-2*x+12*x^2+4*x^3+x^4)/(x+1)/(x^2-x+1)/(x^2+2*x+4)$  lgdogf  
A132720 3.27736  $[ \{-a(n+4)+4*a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}, \text{ogf}]$   
A132720 5.11720  $-2*(1+4*x+8*x^4+8*x^3+12*x^2)/(4*x^3-1)/(1+2*x+4*x^2+4*x^3)$  lgdogf  
A132720 5.51977  $[ -(4*x^3+4*x^2+2*x+1)/(4*x^3-1)$  ogf]  
A132723 10.7142  $[ (2*x^2-2*x+3)/(2*x^2-2*x+1)$  ogf]  
A132723 16.8717  $-4*(2*x-1)/(2*x^2-2*x+1)/(2*x^2-2*x+3)$  lgdogf  
A132723 5.56718  $[ \{-a(n+3)+2*a(n+2)-2*a(n+1), a(0) = 3, a(1) = 4, a(2) = 4\}, \text{ogf}]$   
A132730 4.48973  $[ \{-a(n+4)+4*a(n+3)-5*a(n+2)+2*a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 8\}, \text{ogf}]$   
A132730 9.71549  $[ -(4*x^3-2*x+1)/(2*x-1)/(x-1)^2$  ogf]  
A132732 12.2375  $-2*(-1+3*x+6*x^3-6*x^2)/(x-1)/(2*x-1)/(2*x^3+x^2-2*x+1)$  lgdogf  
A132732 5.16389  $[ \{-a(n+4)+4*a(n+3)-5*a(n+2)+2*a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 10\}, \text{ogf}]$   
A132732 9.95359  $[ -(2*x^3+x^2-2*x+1)/(2*x-1)/(x-1)^2$  ogf]

A132736 10.1963 [  $(2x^3-2x^2+2x-1)/(2x-1)/(x-1)^2$  ogf]  
A132736 12.5397  $-2*(1-2x+3x^3-x^2)/(x-1)/(-1+2x)/(2x^3-2x^2+2x-1)$  lgdogf  
A132736 5.28981 [  $\{a(n+4)-4a(n+3)+5a(n+2)-2a(n+1), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 10\}$ , ogf]  
A132738 11.2496 [  $(4x^3-4x^2+2x-1)/(2x-1)/(x-1)^2$  ogf]  
A132738 14.6584  $-2*(1+6x^3-6x^2)/(x-1)/(2x-1)/(4x^3-4x^2+2x-1)$  lgdogf  
A132738 5.83628 [  $\{a(n+4)-4a(n+3)+5a(n+2)-2a(n+1), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 16\}$ , ogf]  
A132750 4.91170 [  $\{a(n+4)-5a(n+3)+8a(n+2)-4a(n+1), a(0) = 1, a(1) = 4, a(2) = 9, a(3) = 21\}$ , ogf]  
A132750 9.46748 [  $-(4x^3-3x^2-x+1)/(x-1)/(2x-1)^2$  ogf]  
A132753 11.2590 [  $-(6x^2-8x+3)/(2x-1)/(x-1)^2$  ogf]  
A132753 12.4641  $-2*(3x-2)*(2x^2-2x+1)/(x-1)/(2x-1)/(4x^3-4x^2+1)$  lgdogf  
A132753 6.13212 [  $\{a(n+3)-4a(n+2)+5a(n+1)-2a(n), a(0) = 3, a(1) = 4, a(2) = 7\}$ , ogf]  
A132754 12.2646 [  $x*(11x-12)/(x-1)^3$  ogf]  
A132754 26.3751  $-(-25+22x)/(x-1)/(11x-12)$  lgdogf  
A132754 6.40365 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 12, a(2) = 25\}$ , ogf]  
A132755 12.3295 [  $x*(12x-13)/(x-1)^3$  ogf]  
A132755 26.5169  $-3*(-9+8x)/(x-1)/(12x-13)$  lgdogf  
A132755 6.43754 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 13, a(2) = 27\}$ , ogf]  
A132756 12.3295 [  $x*(13x-14)/(x-1)^3$  ogf]  
A132756 26.5169  $-(-29+26x)/(x-1)/(13x-14)$  lgdogf  
A132756 6.43754 [  $\{-a(n+3)+3a(n+2)-3a(n+1)+a(n), a(0) = 0, a(1) = 14, a(2) = 29\}$ , ogf]  
A132757 12.4593 [  $x*(14x-15)/(x-1)^3$  ogf]  
A132757 25.8433  $-(-31+28x)/(-1+x)/(14x-15)$  lgdogf  
A132757 6.50530 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 15, a(2) = 31\}$ , ogf]  
A132758 12.1297 [  $x*(15x-16)/(x-1)^3$  ogf]  
A132758 24.2839  $-3*(-11+10x)/(x-1)/(15x-16)$  lgdogf  
A132758 6.33320 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 16, a(2) = 33\}$ , ogf]  
A132759 12.1222 [  $2x*(6x-7)/(x-1)^3$  ogf]  
A132759 28.1544  $-3*(-5+4x)/(x-1)/(6x-7)$  lgdogf  
A132759 6.32931 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 14, a(2) = 30\}$ , ogf]  
A132760 12.2505 [  $2x*(7x-8)/(x-1)^3$  ogf]  
A132760 28.4571  $-(-17+14x)/(x-1)/(7x-8)$  lgdogf  
A132760 6.39628 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 16, a(2) = 34\}$ , ogf]  
A132761 12.2505 [  $2x*(8x-9)/(x-1)^3$  ogf]  
A132761 28.4571  $-(-19+16x)/(x-1)/(8x-9)$  lgdogf  
A132761 6.39628 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 18, a(2) = 38\}$ , ogf]  
A132762 12.3146 [  $2x*(9x-10)/(x-1)^3$  ogf]  
A132762 26.4893  $-3*(-7+6x)/(-1+x)/(9x-10)$  lgdogf  
A132762 6.42977 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 20, a(2) = 42\}$ , ogf]  
A132763 12.4429 [  $2x*(10x-11)/(x-1)^3$  ogf]  
A132763 26.7696  $-(-23+20x)/(x-1)/(10x-11)$  lgdogf  
A132763 6.49675 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 22, a(2) = 46\}$ , ogf]  
A132764 12.4429 [  $x*(21x-23)/(x-1)^3$  ogf]  
A132764 26.7696  $-6*(-8+7x)/(x-1)/(21x-23)$  lgdogf  
A132764 6.49675 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 23, a(2) = 48\}$ , ogf]  
A132765 12.4429 [  $2x*(11x-12)/(x-1)^3$  ogf]  
A132765 26.7696  $-(-25+22x)/(x-1)/(11x-12)$  lgdogf

A132765 6.49675 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 24, a(2) = 50\}$ , ogf]  
A132766 12.5071 [ $x*(23*x-25)/(x-1)^3$  ogf]  
A132766 25.0539  $-2*(-26+23*x)/(x-1)/(23*x-25)$  lgdogf  
A132766 6.53024 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 25, a(2) = 52\}$ , ogf]  
A132767 12.5071 [ $2*x*(12*x-13)/(x-1)^3$  ogf]  
A132767 26.9098  $-3*(-9+8*x)/(x-1)/(12*x-13)$  lgdogf  
A132767 6.53024 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 26, a(2) = 54\}$ , ogf]  
A132768 12.5071 [ $x*(25*x-27)/(x-1)^3$  ogf]  
A132768 25.0539  $-2*(-28+25*x)/(x-1)/(25*x-27)$  lgdogf  
A132768 6.53024 [ $\{-a(n+3)+3a(n+2)-3a(n+1)+a(n), a(0) = 0, a(1) = 27, a(2) = 56\}$ , ogf]  
A132769 12.5712 [ $2*x*(13*x-14)/(x-1)^3$  ogf]  
A132769 27.0500  $-(-29+26*x)/(x-1)/(13*x-14)$  lgdogf  
A132769 6.56373 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 28, a(2) = 58\}$ , ogf]  
A132770 12.5712 [ $x*(27*x-29)/(x-1)^3$  ogf]  
A132770 26.0839  $-6*(-10+9*x)/(x-1)/(27*x-29)$  lgdogf  
A132770 6.56373 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 29, a(2) = 60\}$ , ogf]  
A132771 12.5712 [ $2*x*(14*x-15)/(x-1)^3$  ogf]  
A132771 27.0500  $-(-31+28*x)/(x-1)/(14*x-15)$  lgdogf  
A132771 6.56373 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 30, a(2) = 62\}$ , ogf]  
A132772 12.2398 [ $x*(29*x-31)/(x-1)^3$  ogf]  
A132772 23.6956  $-2*(-32+29*x)/(-1+x)/(29*x-31)$  lgdogf  
A132772 6.39071 [ $\{-a(n+3)+3a(n+2)-3a(n+1)+a(n), a(0) = 0, a(1) = 31, a(2) = 64\}$ , ogf]  
A132773 12.3036 [ $2*x*(15*x-16)/(x-1)^3$  ogf]  
A132773 24.6423  $-3*(-11+10*x)/(x-1)/(15*x-16)$  lgdogf  
A132773 6.42400 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 32, a(2) = 66\}$ , ogf]  
A132780 11.1436  $-(-1+2*x+5*x^4-10*x^3+4*x^5+x^2)/(-1+2*x)/(x+1)/(x^2-x+1)/(x^2+x-1)$  lgdogf  
A132780 12.4729 [ $(x^2+x-1)/(x+1)/(2*x-1)/(x^2-x+1)$  ogf]  
A132796 10.1331  $-2*x*(-5-11*x^2+9*x^3+11*x)/(x-1)/(2*x-1)/(1+x)/(3*x^2-2*x+1)$  lgdogf  
A132796 7.71588 [ $-x*(3*x^2-2*x+1)/(2*x-1)/(x-1)^2/(x+1)^2$  ogf]  
A132798 12.8765 [ $x*(x+2)/(x+1)/(x^2-x+1)$  ogf]  
A132798 20.2196  $-(-1+2*x^3+6*x^2)/(x+2)/(1+x)/(x^2-x+1)$  lgdogf  
A132798 7.72589 [ $\{a(n+3)+a(n), a(0) = 0, a(1) = 2, a(2) = 1\}$ , ogf]  
A132804 14.3622  $1/16*(-7*x-6+(27*x^2+28*x+12)^(1/2)*3^(1/2))/x$  revogf  
A132804 18.1025 [ $-6*x/(x+1)/(8*x-1)$  ogf]  
A132804 28.7244  $-(-7+16*x)/(x+1)/(8*x-1)$  lgdogf  
A132804 8.26906 [ $\{-a(n+2)+7*a(n+1)+8*a(n), a(0) = 0, a(1) = 6\}$ , ogf]  
A132805 15.8673  $1/16*(-3-7*x+(3+14*x+27*x^2)^(1/2)*3^(1/2))/x$  revogf  
A132805 19.5487 [ $-3*x/(x+1)/(8*x-1)$  ogf]  
A132805 29.7513  $-(-7+16*x)/(x+1)/(-1+8*x)$  lgdogf  
A132805 8.92967 [ $\{-a(n+2)+7*a(n+1)+8*a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A132824 11.4479 [ $-(4*x^3-x^2-2*x+1)/(2*x-1)/(x-1)^2$  ogf]  
A132824 5.98413 [ $\{a(n+4)-4*a(n+3)+5*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 4\}$ , ogf]  
A132835 4.76558 [ $-(7*x^12+10*x^9+2*x^6+3*x^3-2)/(3*x-1)/(3*x^12+x^9-2*x^6-x^3-2)$  ogf]  
A132837 3.37772 [ $(89*x^12-160*x^10-128*x^8-96*x^6-171*x^4+20*x^2+15)/(4*x-1)/(40*x^10+12*x^8-32*x^6+26*x^4-50*x^2-15)$  ogf]  
A132839 6.84197 [ $-(27*x^10+22*x^5-6)/(5*x-1)/(7*x^10-2*x^5-6)$  ogf]  
A132863 4.36797 [ $\{(144*n+216)*a(n+1)+(7*n-3)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 21\}$ , ogf]

A132864 13.2500  $-4*(-2+40*x+3*(1-20*x)^(1/2))/(16*x+1)/(-1+20*x)$  lgdogf  
A132864 17.1892  $1/5*(3-8*x+2*(1-12*x+16*x^2)^(1/2))*x$  revogf  
A132864 4.15242  $[{(320*n+480)*a(n+1)+(4*n-18)*a(n+2)+(-n-3)*a(n+3)}, a(0) = 1, a(1) = 4, a(2) = 36],$  ogf]  
A132865 4.43553  $[{(600*n+900)*a(n+1)+(-n-39)*a(n+2)+(-n-3)*a(n+3)}, a(0) = 1, a(1) = 5, a(2) = 55],$  ogf]  
A132866 12.5496  $1/7*(4-18*x+3*(1-16*x+36*x^2)^(1/2))*x$  revogf  
A132866 3.08846  $[{(1008*n+1512)*a(n+1)+(-8*n-66)*a(n+2)+(-n-3)*a(n+3)}, a(0) = 1, a(1) = 6, a(2) = 78],$  ogf]  
A132866 9.93511  $-6*(-3+84*x+4*(1-28*x)^(1/2))/(36*x+1)/(-1+28*x)$  lgdogf  
A132868 12.9780  $[(2*x^2-1)/(3*x-1)/(x+1)/(x^2-x+1)$  ogf]  
A132869 10.5245  $-8*(-4+144*x+5*(1-36*x)^(1/2))/(64*x+1)/(-1+36*x)$  lgdogf  
A132869 12.2786  $1/9*(5-32*x+4*((-1+16*x)*(4*x-1))^(1/2))*x$  revogf  
A132869 3.27200  $[{(2304*n+3456)*a(n+1)+(-28*n-138)*a(n+2)+(-n-3)*a(n+3)}, a(0) = 1, a(1) = 8, a(2) = 136],$  ogf]  
A132894 25.4132  $-2*(2+3*x)/(x+1)/(-1+3*x)$  lgdogf  
A132894 4.32956  $[{(-2-n)*a(n+3)+(6+2*n)*a(n+2)+(6+3*n)*a(n+1)}, a(0) = 0, a(1) = 1, a(2) = 4],$  ogf]  
A132897 3.37533  $[{(3240*n+4860)*a(n+1)+(-41*n-183)*a(n+2)+(-n-3)*a(n+3)}, a(0) = 1, a(1) = 9, a(2) = 171],$  ogf]  
A132900 3.69603  $[{(-27*n-54)*a(n+1)+(-6*n-21)*a(n+2)+(n+5)*a(n+3)}, a(0) = 1, a(1) = 3, a(2) = 18],$  ogf]  
A132900 37.1471  $x/(1+3*x+9*x^2)$  revogf  
A132911 4.45342  $[{(2*n^2+9*n+9)*a(n+1)-a(n+2)}, a(0) = 1, a(1) = 2],$  ogf]  
A132912 6.53539  $[{(2*n^2+11*n+12)*a(n+1)-a(n+2)}, a(0) = 1, a(1) = 3],$  ogf]  
A132925 10.0034  $[-(x^2+x-1)/(2*x-1)/(x-1)^3$  ogf]  
A132925 15.0332  $-(4-12*x+4*x^3+7*x^2)/(x-1)/(2*x-1)/(x^2+x-1)$  lgdogf  
A132951 13.4920  $[{a(n+3)+a(n)}, a(0) = 1, a(1) = 3, a(2) = 1],$  ogf]  
A132951 20.9263  $[(x^2+3*x+1)/(x+1)/(x^2-x+1)$  ogf]  
A132951 23.7640  $-(-3-2*x+x^4+6*x^3+3*x^2)/(x+1)/(x^2+3*x+1)/(x^2-x+1)$  lgdogf  
A132954 12.0544  $-(-2-8*x+4*x^4+4*x^3+3*x^2)/(x+1)/(x^2-x+1)/(4*x^2+2*x+1)$  lgdogf  
A132954 13.2636  $[(4*x^2+2*x+1)/(x+1)/(x^2-x+1)$  ogf]  
A132954 8.55151  $[{a(n+3)+a(n)}, a(0) = 1, a(1) = 2, a(2) = 4],$  ogf]  
A132965 10.3399  $[{-(-x^7+2*x^6-2*x^5+2*x^4+2*x^2-2*x+2)/(x^8-1)}$  ogf\_with\_Euler\_transform]  
A132966 7.03411  $[{-(-x^7-x^6+x^5-x^4-3*x^3-x^2+x-1)/(x^8-1)}$  ogf\_with\_Euler\_transform]  
A132969 14.3184  $[{-(-x^3-3*x^2+4*x-3)/(-x^4+1)}$  ogf\_with\_Euler\_transform]  
A132970 21.0709  $[{-(-x-3)/(x^2-1)}$  ogf\_with\_Euler\_transform]  
A132973 5.50383  $[{-((2*x^11+3*x^10+2*x^8+3*x^7+3*x^6+3*x^4+3*x^3+2*x^2+3)/(-x^12+1))}$  ogf\_with\_Euler\_transform]  
A132979 15.6228  $[{-((2*x^2-3*x+3)/(x^3+1))}$  ogf\_with\_Euler\_transform]  
A132980 10.4963  $[{-((x^6+2*x^4-2*x^2-1)/(x^8+x^6+x^4+x^2+1))}$  ogf\_with\_Euler\_transform]  
A132998 13.3468  $-2*(2+33*x+x^3+24*x^2)/(x-1)/(x^3+15*x^2+9*x-1)$  lgdogf  
A132998 3.56309  $[{((-11*n^2-51*n-58)*a(n+1)+(7*n^2-18*n-37)*a(n+2)+(4*n^2+9*n+2)*a(n+3)}, a(0) = 0, a(1) = -1, a(2) = 4],$  ogf]  
A132998 6.89380  $[-x*(x^3+15*x^2+9*x-1)/(x-1)^5$  ogf]  
A132999 10.0069  $(2+4*x^6-9*x^5+26*x^25-51*x^26+25*x^27+5*x^4)/(x-1)/(x^27-x^26+x^6-x^5-1)$  lgdogf  
A132999 10.9883  $[-(x^27-x^26+x^6-x^5-1)/(x-1)^2$  ogf]  
A133012 10.3713  $(2+2*x+x^3-3*x^2-23*x^12+11*x^13+12*x^11)/(x-1)/(x^13-x^12+x^3-x^2-1)$  lgdogf  
A133012 9.75723  $[-2*(x^13-x^12+x^3-x^2-1)/(x-1)^2$  ogf]  
A133016 10.5870  $(2+2*x+x^3-3*x^2-23*x^12+11*x^13+12*x^11)/(x-1)/(x^13-x^12+x^3-x^2-1)$  lgdogf  
A133016 9.96015  $[-(x^13-x^12+x^3-x^2-1)/(x-1)^2$  ogf]  
A133034 13.4276  $[-(2*x^2-1)/(x^3+x^2-1)$  ogf]  
A133034 18.9349  $-x*(2+2*x^3-3*x)/(2*x^2-1)/(x^3+x^2-1)$  lgdogf  
A133034 7.65227  $[{a(n+3)-a(n+1)-a(n)}, a(0) = -1, a(1) = 0, a(2) = 1],$  ogf]  
A133037 7.79484  $-x^2*(5*x^4-4*x^3+x^8-6*x-x^6+6*x^5+2*x^2+3)/(x^3-x-1)/(x^3-$

$x^2+2x-1)/(x^5+x^2+x-1)$  lgdogf  
A133037 8.84180 [  $-(x^5+x^2+x-1)/(x^3-x-1)/(x^3-x^2+2x-1)$  ogf]  
A133038 4.64131 [  $(x^9-x^8+x^7+x^6-5x^5+x^4-2x^3-2x^2-x+1)/(x-1)/(x^3-2x^2+3x-1)/(x^6+3x^5+5x^4+5x^3+5x^2+3x+1)$  ogf]  
A133039 4.34719 [  $2x^8(x^7-x^6+2x^5+x^2-2x+2)/(x-1)/(x^3-x^2+2x-1)/(x^3-2x^2+3x-1)/(x^3-x-1)/(x^6+3x^5+5x^4+5x^3+5x^2+3x+1)$  ogf]  
A133043 10.7836 [  $-(x^4-x^3+x^2+x-3)/(x-1)^2$  ogf]  
A133043 14.8495  $(5-3x-5x^3+3x^2+2x^4)/(x-1)/(x^4-x^3+x^2+x-3)$  lgdogf  
A133044 10.0569 [  $(x^3+x+1)/(x^3-x-1)/(x^3-x^2+2x-1)$  ogf]  
A133070 14.2797  $-2*(x+5)*(x^3+30x^2+27x+2)/(x-1)/(x^4+22x^3+72x^2+26x-1)$  lgdogf  
A133070 7.91145 [  $x*(x^4+22x^3+72x^2+26x-1)/(x-1)^6$  ogf]  
A133071 13.1440  $-2*(-14-127x-183x^2-37x^3+x^4)/(x-1)/(x^4-26x^3-72x^2-22x-1)$  lgdogf  
A133071 7.91145 [  $-x*(x^4-26x^3-72x^2-22x-1)/(x-1)^6$  ogf]  
A133072 13.8828  $-6*(x+1)*(x^3+14x^2+39x+6)/(x-1)/(3x^4+26x^3+60x^2+30x+1)$  lgdogf  
A133072 7.97551 [  $x*(3x^4+26x^3+60x^2+30x+1)/(x-1)^6$  ogf]  
A133073 13.4556  $-2*(22+125x+165x^2+47x^3+x^4)/(x-1)/(x^4+30x^3+60x^2+26x+3)$  lgdogf  
A133073 7.97551 [  $x*(x^4+30x^3+60x^2+26x+3)/(x-1)^6$  ogf]  
A133078 13.8728 [  $-(-8x^2-12x-12)/(x^3-1)$  ogf\_with\_Euler\_transform]  
A133086 13.2540 [  $(2x^3-2x^2+1)/(2x-1)^2$  ogf]  
A133086 6.51274 [  $\{a(n+4)-4a(n+3)+4a(n+2), a(0) = 1, a(1) = 4, a(2) = 10, a(3) = 26\}$ , ogf]  
A133089 10.0548 [  $-(-3x^3+3x^2-6x+3)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A133090 14.6065 [  $(x^3+3x^2+x+1)/(x-1)^2/(x+1)^2$  ogf]  
A133092 11.4748 [  $-(4x^3+3x^2+4x+1)/(x-1)^3/(x+1)^3$  ogf]  
A133095 13.6744 [  $-(2x^3-2x^2+1)/(2x-1)/(x-1)^2$  ogf]  
A133095 6.68299 [  $\{a(n+4)-4a(n+3)+5a(n+2)-2a(n+1), a(0) = 1, a(1) = 4, a(2) = 9, a(3) = 20\}$ , ogf]  
A133099 7.40677 [  $-(-2x^{11}-2x^{10}-2x^9-2x^8-2x^7-2x^6-2x^5-2x^4-2x^3-2x^2-2x-2)/(x^{13}-1)$  ogf\_with\_Euler\_transform]  
A133100 4.35636 [  $-(-x^8-x^6-x^5-x^3-1)/(x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A133101 4.10198 [  $-(x^8+x^7-x^5+x^3+2x^2+x)/(-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A133106 11.3472  $-(20x^2+8x-1+(-(2x-1)*(2x+1))^{1/2})/x/(2x+1)/(2x-1)$  lgdogf  
A133111 15.9537  $-4*(4+15x+2x^3+12x^2)/(x-1)/(x+1)/(x^2+4x+1)$  lgdogf  
A133111 4.83782 [  $-x^3*(x+1)*(x^2+4x+1)/(x-1)^{11}$  ogf]  
A133111 5.53391 [  $\{(n^2+10n+24)*a(n+1)+(-n^2+1)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A133124 13.7008 [  $-(x^3-x+1)/(2x-1)/(x-1)^2$  ogf]  
A133124 6.28381 [  $\{a(n+4)-4a(n+3)+5a(n+2)-2a(n+1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 16\}$ , ogf]  
A133125 11.8710 [  $\{a(n+2)-9a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A133125 18.2052  $-2*(2+9x+18x^2)/(4x+1)/(3x-1)/(1+3x)$  lgdogf  
A133125 18.5303 [  $-(4x+1)/(3x-1)/(3x+1)$  ogf]  
A133125 19.6424  $1/2/(4+9x)*(-1+(1+16x+36x^2)^{1/2})$  revogf  
A133129 11.4014 [  $-(x^2-2x-1)/(2x^3-3x^2-6x+1)$  ogf]  
A133129 6.15473 [  $\{a(n+3)-6a(n+2)-3a(n+1)+2a(n), a(0) = 1, a(1) = 8, a(2) = 50\}$ , ogf]  
A133131 10.1050 [  $(x^4+x^3-x^2+x+1)/(x+1)/(x^2+1)^2$  ogf]  
A133131 16.9846  $-x*(6+2x^4+x^5+6x-4x^2-5x^3)/(x+1)/(x^2+1)/(x^4+x^3-x^2+x+1)$  lgdogf  
A133137 15.2221 [  $-(x^2-x+1)*(x^{15}-x^{13}-x^{12}+x^{10}+x^9-x^7-x^6+x^4+x^3-x-1)/(x-1)^2$  ogf]  
A133137 9.89881  $(2-31x^{16}+16x^{15}+15x^{17})/(x-1)/(x^2-x+1)/(x^{15}-x^{13}-x^{12}+x^{10}+x^9-x^7-x^6+x^4+x^3-x-1)$  lgdogf

A133140 14.1180 [  $-2*(x^2+x-1)/(2*x-1)/(x-1)$  ogf]  
A133140 18.8274  $-(2-6*x+5*x^2)/(-1+x)/(2*x-1)/(x^2+x-1)$  lgdogf  
A133140 7.33581 [  $\{a(n+3)-3*a(n+2)+2*a(n+1), a(0) = 2, a(1) = 4, a(2) = 6\}$ , ogf]  
A133141 3.95969 [  $\{-a(n+3)+483*a(n+2)-483*a(n+1)+a(n), a(0) = 1, a(1) = 331, a(2) = 159391\}$ , ogf]  
A133141 7.26928 [  $-(x^2-152*x+1)/(x-1)/(x^2-482*x+1)$  ogf]  
A133142 4.50023 [  $\{-a(n+3)+1443*a(n+2)-1443*a(n+1)+a(n), a(0) = 1, a(1) = 1201, a(2) = 1731661\}$ , ogf]  
A133142 8.16470 [  $-(61*x^2-242*x+1)/(x-1)/(x^2-1442*x+1)$  ogf]  
A133145 12.5311 [  $-(2*x+1)*(4*x^2+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A133145 8.11672 [  $\{-a(n+4)+a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$ , ogf]  
A133145 8.70928  $-2*(1+4*x+4*x^6+4*x^5+3*x^4+2*x^3+12*x^2)/(-1+x)/(2*x+1)/(x+1)/(4*x^2+1)/(x^2+1)$  lgdogf  
A133146 13.1081  $-(5+9*x+4*x^4+3*x^3+2*x^5+13*x^2)/(x-1)/(1+2*x)/(x+1)/(x^3-x+2)$  lgdogf  
A133146 9.04961 [  $-(2*x+1)*(x^3-x+2)/(x+1)^2/(x-1)^3$  ogf]  
A133153 10.6927 [  $-(x^8+x^7+x^6+x^4+x^2+x+1)/(x^{10}-1)$  ogf\_with\_Euler\_transform]  
A133158 3.31903 [  $\{(-36*n-72)*a(n+1)+(48*n+126)*a(n+2)+(-19*n-64)*a(n+3)+(2*n+8)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 12, a(3) = 57\}$ , ogf]  
A133161 10.3677 [  $-(x^2-x+1)/(x-1)/(x^2-4*x+1)$  ogf]  
A133161 13.4722  $-(x-2)*(x^3+3*x-2)/(x-1)/(x^2-4*x+1)/(x^2-x+1)$  lgdogf  
A133161 5.59674 [  $\{a(n+3)-5*a(n+2)+5*a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$ , ogf]  
A133186 11.0043 [  $(4*x^2+3*x+1)/(x+1)/(x^2+1)$  ogf]  
A133186 13.3859  $-2*(-1-3*x+2*x^4+3*x^3+x^2)/(x+1)/(4*x^2+3*x+1)/(1+x^2)$  lgdogf  
A133186 5.99342 [  $\{-a(n+3)-a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 1\}$ , ogf]  
A133188 9.56882 [  $x^2*(x^{12}-x^{10}-x^6+x^4+x^2+1)/(x+1)/(x^2-x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A133189 10.5039  $(-4-2*n)*a(n+3)+(2-n)*a(n+2)+a(n+1), a(0)=0, a(1)=1, a(2)=3/2$  lgdegf  
A133190 12.0372 [  $(2*x+1)*(x-1)/(2*x-1)/(x^2+1)$  ogf]  
A133190 12.6365  $-(3+6*x+4*x^4-4*x^3-9*x^2)/(x-1)/(2*x+1)/(2*x-1)/(x^2+1)$  lgdogf  
A133190 6.55596 [  $\{a(n+3)-2*a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = 3, a(2) = 3\}$ , ogf]  
A133195 10.1995 [  $3*x*(x^2+x+1)/(x-1)/(10*x^3-1)$  ogf]  
A133195 10.5166  $-(2-2*x+20*x^4+20*x^3+20*x^5-29*x^2)/(x-1)/(1+x+x^2)/(10*x^3-1)$  lgdogf  
A133201 10.1995 [  $x*(x^2+x+1)/(x-1)/(10*x^3-1)$  ogf]  
A133201 10.5166  $-(2-2*x+20*x^4+20*x^3+20*x^5-29*x^2)/(x-1)/(1+x+x^2)/(10*x^3-1)$  lgdogf  
A133203 15.7452  $-(3-50*x+29*x^2)/(x-1)/(18*x^3-25*x^2-1)$  lgdogf  
A133203 9.80031 [  $x*(18*x^3-25*x^2-1)/(x-1)^3$  ogf]  
A133209 10.8923 [  $-(10*x^2-10*x+3)/(2*x-1)/(2*x^2-2*x+1)$  ogf]  
A133209 6.18214 [  $\{a(n+3)-4*a(n+2)+6*a(n+1)-4*a(n), a(0) = 3, a(1) = 2, a(2) = 0\}$ , ogf]  
A133209 9.84471  $-2*(1-8*x+20*x^4-40*x^3+28*x^2)/(2*x-1)/(2*x^2-2*x+1)/(10*x^2-10*x+3)$  lgdogf  
A133212 10.3082 [  $-(4*x^3+2*x^2+1)/(2*x-1)/(2*x^2-2*x+1)$  ogf]  
A133212 5.00027 [  $\{a(n+4)-4*a(n+3)+6*a(n+2)-4*a(n+1), a(0) = 1, a(1) = 4, a(2) = 12, a(3) = 32\}$ , ogf]  
A133212 9.79749  $-4*(1-2*x+4*x^2-8*x^3+8*x^4)/(-1+2*x)/(2*x^2-2*x+1)/(4*x^3+2*x^2+1)$  lgdogf  
A133216 6.55150 [  $-x*(x^4+9*x^3+376*x^2+9*x+1)/(x-1)/(x^2-34*x+1)/(x^2+34*x+1)$  ogf]  
A133217 7.08705 [  $-x*(x^4+x^3-16*x^2+x+1)/(x-1)/(x^2+6*x+1)/(x^2-6*x+1)$  ogf]  
A133218 7.37308 [  $x*(2*x^4+3*x^3-17*x^2-3*x-1)/(x-1)/(x^2+6*x+1)/(x^2-6*x+1)$  ogf]  
A133221 3.43143 [  $\{(n^3-2*n^2-3*n)*a(n)+(7*n^3+34*n^2+43*n+16)*a(n+1)+(-n^2-4*n-19)*a(n+2)+(-7*n^2-20*n+3)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
A133223 12.7023 [  $(x^4-x^2+x+2)/(x+1)/(x-1)^2$  ogf]



A133223 6.08653 [ $\{-a(n+5)+a(n+4)+a(n+3)-a(n+2), a(0) = 2, a(1) = 3, a(2) = 4, a(3) = 5, a(4) = 7\}$ ], ogf]  
A133224 6.55149 [ $2*x*(7*x^2-5*x+1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A133224 9.07919  $\frac{-(-7+48*x+112*x^3-120*x^2)}{(2*x-1)/(4*x-1)/(1+7*x^2-5*x)}$  lgdogf  
A133238 3.44904 [ $\{(2*n^3+47*n^2+366*n+945)*a(n+1)+(38*n^2+456*n+1540)*a(n+2)+(-2*n^3-25*n^2-102*n-135)*a(n+3), a(0) = 1, a(1) = 52, a(2) = 1053\}$ ], ogf]  
A133239 3.37956 [ $\{(n^3+31*n^2+318*n+1080)*a(n+1)+(25*n^2+375*n+1586)*a(n+2)+(-n^3-14*n^2-63*n-90)*a(n+3), a(0) = 1, a(1) = 78, a(2) = 2430\}$ ], ogf]  
A133240 3.01365 [ $\{(n^3+46*n^2+699*n+3510)*a(n+1)+(37*n^2+777*n+4598)*a(n+2)+(-n^3-17*n^2-90*n-144)*a(n+3), a(0) = 1, a(1) = 133, a(2) = 7371\}$ ], ogf]  
A133241 3.30519 [ $\{(n^3+61*n^2+1228*n+8160)*a(n+1)+(49*n^2+1323*n+10050)*a(n+2)+(-n^3-20*n^2-121*n-210)*a(n+3), a(0) = 1, a(1) = 190, a(2) = 15504\}$ ], ogf]  
A133252 10.1367 [ $-(2*x^2+1)/(x-1)^5$  ogf]  
A133252 24.8569  $\frac{-(5+4*x+6*x^2)}{(x-1)/(2*x^2+1)}$  lgdogf  
A133252 4.00135 [ $\{(n+4)*a(n+4)+(-8-n)*a(n+3)+2*n*a(n+2)+(-8-2*n)*a(n+1), a(0) = 1, a(1) = 5, a(2) = 17, a(3) = 45\}$ ], ogf]  
A133256 11.1518  $\frac{-(2*x^7+6*x+6*x^5+6*x^4+11*x^3-x^6+x^2)}{(x-1)/(x+1)/(x^2+1)/(x^4-x^3+2*x^2+x+1)}$  lgdogf  
A133256 11.6636 [ $(x^4-x^3+2*x^2+x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A133257 13.5150 [ $-(4*x^2-3*x-4)/(x-1)/(2*x^2-1)$  ogf]  
A133257 7.29569 [ $\{a(n+3)-a(n+2)-2*a(n+1)+2*a(n), a(0) = 4, a(1) = 7, a(2) = 11\}$ ], ogf]  
A133259 8.39042  $\frac{-2*(1+2*x^7-2*x^8+x^9-6*x^5+13*x^4-9*x^3+4*x^6+5*x^2)}{(x-1)/(x^2+x+1)/(x^2-x+1)/(2*x^5-3*x^4+2*x^3+x^2+1)}$  lgdogf  
A133259 8.55334 [ $(2*x^5-3*x^4+2*x^3+x^2+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A133263 11.7955 [ $-(x^3-x^2+1)/(x-1)^3$  ogf]  
A133263 23.4681  $\frac{-(3-2*x+2*x^2)}{(x-1)/(x^3-x^2+1)}$  lgdogf  
A133263 5.80839 [ $\{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 8\}$ ], ogf]  
A133264 8.35231  $\frac{-(-4-6*x-33*x^2-16*x^3+60*x^4+60*x^5+20*x^6)}{(x-1)/(2*x+1)/(x^2+x+1)/(10*x^3-1)}$  lgdogf  
A133264 9.48504 [ $(2*x+1)*(x^2+x+1)/(x-1)/(10*x^3-1)$  ogf]  
A133265 15.2987 [ $-2*(x^2-x-1)/(x-1)^2/(x+1)^2$  ogf]  
A133265 19.8720  $\frac{-(-1-2*x+2*x^3-3*x^2)}{(x-1)/(x+1)/(x^2-x-1)}$  lgdogf  
A133266 4.02591 [ $(3*x^7+24*x^6-5*x^5-11*x^4+18*x^3-x^2-28*x+30)/(x-1)^2$  ogf]  
A133271 4.82566 [ $\{-a(n+3)+13*a(n+2)-13*a(n+1)+a(n), a(0) = 1, a(1) = 8, a(2) = 92\}$ ], ogf]  
A133271 8.80875 [ $-(x^2-5*x+1)/(x-1)/(x^2-12*x+1)$  ogf]  
A133271 9.36879  $\frac{-(8-24*x+55*x^2-10*x^3+x^4)}{(x-1)/(x^2-5*x+1)/(x^2-12*x+1)}$  lgdogf  
A133272 10.5413  $\frac{-(-7+26*x-81*x^2+12*x^3)}{(x-1)/(6*x-1)/(x^2-12*x+1)}$  lgdogf  
A133272 4.77539 [ $\{a(n+3)-13*a(n+2)+13*a(n+1)-a(n), a(0) = 1, a(1) = 7, a(2) = 78\}$ ], ogf]  
A133272 9.98491 [ $(6*x-1)/(x-1)/(x^2-12*x+1)$  ogf]  
A133273 10.4611  $\frac{-2*(-5+19*x-87*x^2+9*x^3)}{(x-1)/(9*x-1)/(x^2-18*x+1)}$  lgdogf  
A133273 13.0091 [ $(9*x-1)/(x-1)/(x^2-18*x+1)$  ogf]  
A133273 6.11538 [ $\{a(n+3)-19*a(n+2)+19*a(n+1)-a(n), a(0) = 1, a(1) = 10, a(2) = 171\}$ ], ogf]  
A133274 4.04050 [ $\{a(n+3)-483*a(n+2)+483*a(n+1)-a(n), a(0) = 1, a(1) = 793, a(2) = 382537\}$ ], ogf]  
A133274 7.41764 [ $-(x^2+310*x+1)/(x-1)/(x^2-482*x+1)$  ogf]  
A133275 11.7534 [ $-3*(x-1)/(x^2-22*x+1)$  ogf]  
A133275 12.0356  $\frac{-1/2*(-3-22*x+(9+120*x+480*x^2)^{(1/2)})}{(x+3)}$  revogf  
A133275 16.5489  $\frac{-(21-2*x+x^2)}{(x-1)/(x^2-22*x+1)}$  lgdogf  
A133275 6.43637 [ $\{a(n+2)-22*a(n+1)+a(n), a(0) = 3, a(1) = 63\}$ ], ogf]  
A133283 11.4520 [ $(x+1)/(x^2-22*x+1)$  ogf]  
A133283 11.9931  $\frac{-1/2*(-1-22*x+(1+48*x+480*x^2)^{(1/2)})}{(x-1)}$  revogf  
A133283 15.6273  $\frac{-(-23+2*x+x^2)}{(x+1)/(x^2-22*x+1)}$  lgdogf  
A133283 6.27133 [ $\{-a(n+2)+22*a(n+1)-a(n), a(0) = 1, a(1) = 23\}$ ], ogf]  
A133284 4.38401 [ $\{-a(n+3)+23*a(n+2)-23*a(n+1)+a(n), a(0) = 1, a(1) = 13, a(2) = 277\}$ ], ogf]

A133284 8.01452 [  $-(x^2-10x+1)/(x-1)/(x^2-22x+1)$  ogf]  
A133284 8.22687  $-(13-44x-20x^3+x^4+210x^2)/(x-1)/(x^2-22x+1)/(x^2-10x+1)$   
lgdogf  
A133285 4.38401 [  $\{a(n+3)-23a(n+2)+23a(n+1)-a(n), a(0) = 1, a(1) = 12, a(2) = 253\}$ , ogf]  
A133285 9.12434  $-2*(-6+23x+11x^3-128x^2)/(x-1)/(11x-1)/(x^2-22x+1)$  lgdogf  
A133285 9.15945 [  $(11x-1)/(x-1)/(x^2-22x+1)$  ogf]  
A133292 10.2195 [  $-(2x^8+4x^7+7x^6+2x^5+7x^4+4x^3+2x^2+x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A133293 6.82807 [  $x*(x^6+3x^5+6x^4+x^3+6x^2+3x+1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A133294 13.1554 [  $(x-1)/(10x^2+2x-1)$  ogf]  
A133294 15.1951  $-(-1-20x+10x^2)/(-1+x)/(10x^2+2x-1)$  lgdogf  
A133294 15.5949  $1/2/(10x-1)*(-1-2x+(1+44x^2)^{(1/2)})$  revogf  
A133294 7.29096 [  $\{-a(n+2)+2a(n+1)+10a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A133296 5.98885 [  $x*(20x^8+20x^7+20x^6+20x^5+11x^4+2x^3+2x^2+2x+2)/(x-1)/(100x^9-1)$  ogf]  
A133301 4.71712 [  $-(22x^4+65395x^3-483503x^2+1925x+1)/(x-1)/(x^2-1154x+1)/(x^2+1154x+1)$  ogf]  
A133305 3.37547 [  $\{(n^2+n)a(n)+(-17n^2-41n-24)a(n+1)+(-17n^2-95n-132)a(n+2)+(n^2+7n+12)a(n+3), a(0) = 1, a(1) = 5, a(2) = 45\}$ , ogf]  
A133305 30.1029  $-x*(4x-1)/(1+x)$  revogf  
A133306 3.59768 [  $\{(n^2+n)a(n)+(-21n^2-51n-30)a(n+1)+(-21n^2-117n-162)a(n+2)+(n^2+7n+12)a(n+3), a(0) = 1, a(1) = 6, a(2) = 66\}$ , ogf]  
A133306 32.2278  $-x*(5x-1)/(1+x)$  revogf  
A133307 3.37097 [  $\{(n^2+n)a(n)+(-25n^2-61n-36)a(n+1)+(-25n^2-139n-192)a(n+2)+(n^2+7n+12)a(n+3), a(0) = 1, a(1) = 7, a(2) = 91\}$ , ogf]  
A133307 32.1653  $-x*(-1+6x)/(1+x)$  revogf  
A133308 29.1937  $-x*(-1+7x)/(1+x)$  revogf  
A133308 3.10547 [  $\{(n^2+n)a(n)+(-29n^2-71n-42)a(n+1)+(-29n^2-161n-222)a(n+2)+(n^2+7n+12)a(n+3), a(0) = 1, a(1) = 8, a(2) = 120\}$ , ogf]  
A133309 3.18613 [  $\{(n^2+n)a(n)+(-33n^2-81n-48)a(n+1)+(-33n^2-183n-252)a(n+2)+(n^2+7n+12)a(n+3), a(0) = 1, a(1) = 9, a(2) = 153\}$ , ogf]  
A133309 30.0092  $-x*(-1+8x)/(1+x)$  revogf  
A133310 13.1617 [  $(x^3-x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A133310 16.4989  $-(2+7x^2+x^5+3x^3-x^4)/(x-1)/(x^2+x+1)/(x^3-x^2+x+1)$  lgdogf  
A133310 5.53755 [  $\{(-n-4)a(n+1)-a(n+2)-a(n+3)+(n+3)a(n+4), a(0) = 1, a(1) = 2, a(2) = 1, a(3) = 3\}$ , ogf]  
A133311 7.30070 [  $x*(x^9+2x^8+2x^7+2x^6+2x^5-7x^4+2x^3+2x^2+2x+2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A133317 4.18808 [  $\{(-n^2-12n-36)a(n+1)+(2n^2+18n+63)a(n+2)+(-n^2-6n-9)a(n+3), a(0) = 1, a(1) = 35, a(2) = 405\}$ , ogf]  
A133317 4.67928 [  $(x+1)*(x^4+24x^3+76x^2+24x+1)/(x-1)^{10}$  ogf]  
A133317 9.67350  $-5*(7+85x+x^5+31x^4+160x^3+220x^2)/(x-1)/(x+1)/(x^4+24x^3+76x^2+24x+1)$  lgdogf  
A133318 3.43449 [  $\{(n^3+26n^2+223n+630)a(n+1)+(21n^2+273n+990)a(n+2)+(-n^3-13n^2-54n-72)a(n+3), a(0) = 1, a(1) = 66, a(2) = 1638\}$ , ogf]  
A133319 3.33810 [  $\{(n^3+36n^2+428n+1680)a(n+1)+(29n^2+493n+2355)a(n+2)+(-n^3-15n^2-71n-105)a(n+3), a(0) = 1, a(1) = 99, a(2) = 3927\}$ , ogf]  
A133325 9.64157 [  $-(x-1)*(7x^2+20x+7)/(x^2+2x-1)/(x^2-2x-1)$  ogf]  
A133326 12.0350 [  $2*(x+1)*(x^2+3x+1)/(x^2+2x-1)/(x^2-2x-1)$  ogf]  
A133326 9.37404  $-(-4-20x+x^6+8x^5+18x^4+4x^3-27x^2)/(x+1)/(1+3x+x^2)/(x^2+2x-1)/(x^2-2x-1)$  lgdogf  
A133327 5.51587 [  $-(17x^4+8160x^3-20178x^2+240x+1)/(x-1)/(x^2+198x+1)/(x^2-198x+1)$  ogf]  
A133328 5.67275 [  $2x*(6x^3+2885x^2-6726x-85)/(x-1)/(x^2+198x+1)/(x^2-198x+1)$  ogf]  
A133331 4.97098 [  $x*(3x^2+3x+1)/(3x^4-3x^2+1)$  ogf]  
A133331 5.17773  $-3*(-1-4x+6x^5+9x^4+4x^3-3x^2)/(3x^2+3x+1)/(3x^4-3x^2+1)$  lgdogf  
A133335 10.7242  $-(2+6x+15x^4+20x^3+15x^2)/(3x^2+2x+1)/(5x^3-1)$  lgdogf  
A133335 11.8825 [  $-(3x^2+2x+1)/(5x^3-1)$  ogf]

A133335 7.66111 [ {a(n+3)-5\*a(n), a(0) = 1, a(1) = 2, a(2) = 3}, ogf]  
A133337 15.7135 [ -x\*(x+1)/(5\*x^3-1) ogf]  
A133337 22.0141 -(1+10\*x^3+15\*x^2)/(x+1)/(5\*x^3-1) lgdogf  
A133337 9.42808 [ {-a(n+3)+5\*a(n), a(0) = 0, a(1) = 1, a(2) = 1}, ogf]  
A133343 12.5657 [ (x-1)/(13\*x^2+2\*x-1) ogf]  
A133343 14.8858 -(-1-26\*x+13\*x^2)/(x-1)/(13\*x^2+2\*x-1) lgdogf  
A133343 6.96414 [ {-a(n+2)+2\*a(n+1)+13\*a(n), a(0) = 1, a(1) = 1}, ogf]  
A133345 12.7673 [ (x-1)/(14\*x^2+2\*x-1) ogf]  
A133345 15.1298 -(-1-28\*x+14\*x^2)/(x-1)/(14\*x^2+2\*x-1) lgdogf  
A133345 7.07588 [ {-a(n+2)+2\*a(n+1)+14\*a(n), a(0) = 1, a(1) = 1}, ogf]  
A133348 4.22148 [ {(-n^2-20\*n-99)\*a(n+1)+(2\*n^2+28\*n+144)\*a(n+2)+(-n^2-8\*n-15)\*a(n+3), a(0) = 1, a(1) = 32, a(2) = 462}, ogf]  
A133348 7.75159 -2\*(16+190\*x+91\*x^5+5\*x^6+658\*x^2+868\*x^3+460\*x^4)/(x-1)/(x^6+16\*x^5+70\*x^4+112\*x^3+70\*x^2+16\*x+1) lgdogf  
A133349 3.83020 [ {(-n^2-27\*n-180)\*a(n+1)+(2\*n^2+36\*n+240)\*a(n+2)+(-n^2-9\*n-18)\*a(n+3), a(0) = 1, a(1) = 44, a(2) = 891}, ogf]  
A133350 5.49307 [ (14\*x^5+273\*x^4+840\*x^3+582\*x^2+82\*x+1)/(x-1)^8 ogf]  
A133350 8.09630 -2\*(45+869\*x+21\*x^5+581\*x^4+2646\*x^3+3006\*x^2)/(x-1)/(14\*x^5+273\*x^4+840\*x^3+582\*x^2+82\*x+1) lgdogf  
A133355 12.2265 -3\*(7+42\*x+3\*x^4+28\*x^3+63\*x^2)/(x-1)/(x^4+8\*x^3+15\*x^2+8\*x+1) lgdogf  
A133355 4.14638 [ -(x^4+8\*x^3+15\*x^2+8\*x+1)/(x-1)^13 ogf]  
A133355 6.27014 [ {(n^2+18\*n+80)\*a(n+1)+(-n^2-6\*n-8)\*a(n+2), a(0) = 1, a(1) = 21}, ogf]  
A133356 13.0361 [ (x-1)/(16\*x^2+2\*x-1) ogf]  
A133356 15.4552 -(-1-32\*x+16\*x^2)/(x-1)/(16\*x^2+2\*x-1) lgdogf  
A133356 7.22484 [ {-a(n+2)+2\*a(n+1)+16\*a(n), a(0) = 1, a(1) = 1}, ogf]  
A133357 4.53562 [ -(x+1)\*(8\*x^7-12\*x^6-2\*x^5-16\*x^4-30\*x^3-15\*x^2-4\*x-1)/(24\*x^8-4\*x^7-46\*x^6-66\*x^5-74\*x^4-25\*x^3-7\*x^2-3\*x+1) ogf]  
A133368 15.2507 [ -(3\*x^4+7\*x^3+3\*x^2+x+1)/(x-1)/(x^4+x^3+x^2+x+1) ogf]  
A133368 9.63047 -(1+6\*x+9\*x^6+5\*x^4+12\*x^3+4\*x^5+21\*x^2+14\*x^7+3\*x^8)/(x-1)/(x^4+x^3+x^2+x+1)/(3\*x^4+7\*x^3+3\*x^2+x+1) lgdogf  
A133379 4.55838 [ {a(n+3)+49\*a(n+2)-80136\*a(n+1)-160264\*a(n), a(0) = 0, a(1) = 1, a(2) = 1}, ogf]  
A133379 7.23171 -(1+160272\*x+1602640\*x^3+4487592\*x^2)/(50\*x+1)/(160264\*x^3+80136\*x^2-49\*x-1) lgdogf  
A133379 8.11124 [ -x\*(50\*x+1)/(160264\*x^3+80136\*x^2-49\*x-1) ogf]  
A133381 3.65678 [ {a(n+4)+1037\*a(n+3)-88636\*a(n+2)-3149685\*a(n+1), a(0) = 0, a(1) = -1, a(2) = 5, a(3) = -90986}, ogf]  
A133381 6.44290 [ -x\*(2835\*x^2-1032\*x-1)/(3149685\*x^3+88636\*x^2-1037\*x-1) ogf]  
A133383 4.72133 [ {-a(n+2)+101\*a(n+1)-100\*a(n), a(0) = 10, a(1) = 1099}, ogf]  
A133383 7.41036 -1/2\*(-10-101\*x+(100+2376\*x+9801\*x^2)^(1/2))/(-89+100\*x) revogf  
A133383 8.29960 -(-1099+2000\*x+8900\*x^2)/(x-1)/(89\*x+10)/(100\*x-1) lgdogf  
A133383 8.33176 [ (89\*x+10)/(100\*x-1)/(x-1) ogf]  
A133384 10.9859 [ -6\*(5\*x-2)/(10\*x-1)/(x-1) ogf]  
A133384 11.4560 -1/20\*(-12-11\*x+3\*(16+16\*x+9\*x^2)^(1/2))/(x+3) revogf  
A133384 13.1744 -(17-40\*x+50\*x^2)/(x-1)/(5\*x-2)/(10\*x-1) lgdogf  
A133384 6.18747 [ {a(n+2)-11\*a(n+1)+10\*a(n), a(0) = 12, a(1) = 102}, ogf]  
A133386 4.56969 [ -2\*x^4\*(85\*x^4-180\*x^3+141\*x^2-48\*x+6)/(x-1)^3/(3\*x-1)^3/(2\*x-1)^3 ogf]  
A133386 6.89685 -2\*(5\*x-2)\*(255\*x^5-733\*x^4+842\*x^3-480\*x^2+135\*x-15)/(x-1)/(-1+3\*x)/(2\*x-1)/(85\*x^4-180\*x^3+141\*x^2-48\*x+6) lgdogf  
A133390 8.07319 [ -(8\*x^9-3\*x^7-x^6+3\*x^5-5\*x^3+3\*x^2+3\*x+1)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1) ogf]  
A133394 15.4322 [ -x\*(5\*x^3+2)/(x^5+x^2-1) ogf]  
A133394 17.6088 -x\*(4+10\*x^6+5\*x^3+15\*x)/(5\*x^3+2)/(x^5+x^2-1) lgdogf  
A133398 8.08622 [ -(x^2-x+1)\*(x^27-x^25-x^24+x^22+x^21-x^19-x^18+x^16+x^15-x^13-x^12+x^10+x^9-x^7-x^6+2\*x^4+x^3-x^2-x-1)/(x-1)^2 ogf]  
A133405 19.0963 [ -x^3/(3\*x-1)/(x+1)/(x^2-x+1) ogf]  
A133405 19.4879 -3\*(1+4\*x^3-x^2)/(3\*x-1)/(x+1)/(x^2-x+1) lgdogf  
A133407 14.5749 [ -(x+1)/(5\*x^2+x-1) ogf]

A133407 16.4792  $1/2/(5*x+1)*(-1-x+(1+6*x+21*x^2)^{(1/2)})$  revogf  
A133407 19.4754  $-(2+10*x+5*x^2)/(x+1)/(5*x^2+x-1)$  lgdogf  
A133407 7.99844  $[{-a(n+2)+a(n+1)+5*a(n), a(0) = 1, a(1) = 2},$  ogf]  
A133408 11.0795  $2*(1+52*x^6-69*x^5+108*x^4)/(2*x-1)/(18*x^7+23*x^6-1)$  lgdogf  
A133408 15.1277  $[x*(18*x^7+23*x^6-1)/(2*x-1)$  ogf]  
A133409 10.1096  $-(4+6*x-16*x^3+15*x^4+3*x^2)/(x-1)/(3*x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A133409 10.4643  $[x^4/(x-1)/(3*x-1)/(x+1)/(x^2-x+1)$  ogf]  
A133415 6.62214  $-2*(70-1444*x+5475*x^5+3000*x^6+3913*x^2+41046*x^3-110820*x^4)/(16*x-1)/(x^2-7*x+1)/(5*x^2+26*x+3)/(25*x^2-15*x+1)$  lgdogf  
A133415 7.60915  $[ -4*x^2*(5*x^2+26*x+3)/(16*x-1)/(25*x^2-15*x+1)/(x^2-7*x+1)$  ogf]  
A133416 6.06762  $-$   
 $(91-796*x-436250*x^5+102000*x^6-21971*x^2+230056*x^3-291025*x^4)/(16*x-1)/(x^2-7*x+1)/(85*x^2+53*x+1)/(25*x^2-15*x+1)$  lgdogf  
A133416 7.36705  $[ -x^2*(85*x^2+53*x+1)/(16*x-1)/(25*x^2-15*x+1)/(x^2-7*x+1)$  ogf]  
A133417 13.1290  $[ -2*(4*x^2+x-1)/(x+1)/(x^2-6*x+1)$  ogf]  
A133417 14.5955  $-2*(2+x+6*x^2+x^3+2*x^4)/(x+1)/(1-6*x+x^2)/(4*x^2+x-1)$  lgdogf  
A133417 7.08734  $[{a(n+3)-5*a(n+2)-5*a(n+1)+a(n), a(0) = 2, a(1) = 8, a(2) = 42},$  ogf]  
A133419 7.27343  $[ (4*x^{10}+x^9+x^8+2*x^7+24*x^6+3*x^5+26*x^4+2*x^3+x^2+x+6)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2$  ogf]  
A133443 10.6145  $2*(1-20*x^2+8*x+2*(-(2*x-1)*(2*x+1))^{(1/2)})/(10*x-3)/(2*x-1)/(2*x+1)$  lgdogf  
A133443 15.0373  $(-1-2*x+2*(1+4*x+16*x^2)^{(1/2)})/(1+4*x+20*x^2)*x$  revogf  
A133443 3.60280  $[{(40*n+80)*a(n+1)+(-12*n-44)*a(n+2)+(-10*n-34)*a(n+3)+(3*n+12)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 24},$  ogf]  
A133444 13.8040  $1/2/(1+6*x+34*x^2)*(-3-9*x+5*(1+6*x+25*x^2)^{(1/2)})*x$  revogf  
A133444 3.54702  $[{(68*n+136)*a(n+1)+(-16*n-66)*a(n+2)+(-17*n-60)*a(n+3)+(4*n+16)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 14, a(3) = 57},$  ogf]  
A133444 9.70014  $1/2*(-136*x^2+50*x+9+15*(-(2*x-1)*(2*x+1))^{(1/2)})/(17*x-4)/(2*x-1)/(2*x+1)$  lgdogf  
A133448 11.1556  $[ -(3*x^3-2*x^2-x+2)/(3*x-1)/(x+1)/(x^2-x+1)$  ogf]  
A133453 9.53820  $[ -(3*x^3+x^2-2*x+2)/(3*x-1)/(x+1)/(x^2-x+1)$  ogf]  
A133456 4.87542  $[ (7*x^8-3*x^6-x^5+3*x^4-5*x^2+3*x+3)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A133462 10.2711  $-(-1+15*x-90*x^2+130*x^3)/(x-1)/(10*x-1)/(13*x^2-11*x+1)$  lgdogf  
A133462 5.10577  $[{a(n+3)-12*a(n+2)+21*a(n+1)-10*a(n), a(0) = 1, a(1) = 1, a(2) = 4},$  ogf]  
A133462 8.89641  $[ -(13*x^2-11*x+1)/(10*x-1)/(x-1)^2$  ogf]  
A133463 10.4292  $-(3+8*x+15*x^6+27*x^4+24*x^3+24*x^5+15*x^2)/(3*x^4-1)/(5*x^3+4*x^2+3*x+2)$  lgdogf  
A133463 13.6238  $[ -(5*x^3+4*x^2+3*x+2)/(3*x^4-1)$  ogf]  
A133463 8.82453  $[{-a(n+4)+3*a(n), a(0) = 2, a(1) = 3, a(2) = 4, a(3) = 5},$  ogf]  
A133464 14.0607  $-2*(1+3*x+6*x^4+8*x^3+6*x^2)/(3*x^2+2*x+1)/(4*x^3-1)$  lgdogf  
A133464 15.2185  $[ -(3*x^2+2*x+1)/(4*x^3-1)$  ogf]  
A133464 9.81192  $[{-a(n+3)+4*a(n), a(0) = 1, a(1) = 2, a(2) = 3},$  ogf]  
A133467 14.1184  $[ -(x+1)/(2*x+1)/(3*x-1)$  ogf]  
A133467 15.9563  $-2*(1+6*x+3*x^2)/(-1+3*x)/(2*x+1)/(x+1)$  lgdogf  
A133467 15.9563  $1/2/(1+6*x)*(-1-x+(1+6*x+25*x^2)^{(1/2)})$  revogf  
A133467 7.74793  $[{-a(n+2)+a(n+1)+6*a(n), a(0) = 1, a(1) = 2},$  ogf]  
A133469 14.4080  $[ -(x+1)/(7*x^2+x-1)$  ogf]  
A133469 16.2905  $1/2/(1+7*x)*(-1-x+(1+6*x+29*x^2)^{(1/2)})$  revogf  
A133469 19.2524  $-(2+14*x+7*x^2)/(x+1)/(7*x^2+x-1)$  lgdogf  
A133469 7.90685  $[{-a(n+2)+a(n+1)+7*a(n), a(0) = 1, a(1) = 2},$  ogf]  
A133471 5.57263  $[{-a(n+1)+(-n^2-6*n-9)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 4},$  ogf]  
A133472 11.5615  $[ -3*(17*x-2)/(10*x-1)/(x-1)$  ogf]  
A133472 11.8128  $-1/2*(-6-11*x+3*(4-8*x+9*x^2)^{(1/2)})/(51+10*x)$  revogf  
A133472 13.2534  $-5*(1-8*x+34*x^2)/(x-1)/(17*x-2)/(10*x-1)$  lgdogf  
A133472 6.52884  $[{a(n+2)-11*a(n+1)+10*a(n), a(0) = 6, a(1) = 15},$  ogf]

A133473 11.9004 [  $-(17x-2)/(10x-1)/(x-1)$  ogf]  
A133473 12.1618  $-1/2*(-2-11x+(4-24x+81x^2)^{1/2})/(17+10x)$  revogf  
A133473 13.6450  $-5*(1-8x+34x^2)/(x-1)/(17x-2)/(10x-1)$  lgdogf  
A133473 6.80025 [  $\{a(n+2)-11a(n+1)+10a(n), a(0) = 2, a(1) = 5\}$ , ogf]  
A133474 14.3430 [  $-x^3/(3x-1)/(3x^2-3x+1)$  ogf]  
A133474 17.2748  $-3*(2-8x+9x^2)/(3x-1)/(3x^2-3x+1)$  lgdogf  
A133474 5.07520 [  $\{-a(n+4)+6a(n+3)-12a(n+2)+9a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A133476 10.4639  $-(-2+10x+4x^5-15x^4+20x^3-20x^2)/(x-1)/(2x-1)/(x^4-2x^3+4x^2-3x+1)$  lgdogf  
A133476 8.74221 [  $x^*(x-1)^3/(2x-1)/(x^4-2x^3+4x^2-3x+1)$  ogf]  
A133479 14.1631 [  $-(x+1)/(8x^2+x-1)$  ogf]  
A133479 16.0119  $1/2/(1+8x)*(-1-x+(1+6x+33x^2)^{1/2})$  revogf  
A133479 18.3666  $-2*(1+8x+4x^2)/(x+1)/(8x^2+x-1)$  lgdogf  
A133479 7.77241 [  $\{-a(n+2)+a(n+1)+8a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A133480 10.0148  $1/3x*(3+3x+x^2)$  revogf  
A133480 17.0251  $-2/(1+3x)$  lgdegf  
A133494 10.6163 [  $\{a(n+2)-3a(n+1), a(0) = 1, a(1) = 1\}$ , ogf]  
A133494 20.6588 [  $(2x-1)/(3x-1)$  ogf]  
A133494 22.7548  $1/4+3/4x-1/4*(1-2x+9x^2)^{1/2}$  revogf  
A133494 41.7171  $1/(-1+3x)/(2x-1)$  lgdogf  
A133496 11.7608 [  $-841x*(x+1)/(x-1)^3$  ogf]  
A133496 33.8493 [  $[4-x]$  ogf\_with\_Euler\_transform]  
A133496 6.18455 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 841, a(2) = 3364\}$ , ogf]  
A133499 10.9538  $-4*(13+78x+108x^2+38x^3+3x^4)/(x-1)/(3x^4+28x^3+58x^2+28x+3)$  lgdogf  
A133499 5.25491 [  $42x^2*(3x^4+28x^3+58x^2+28x+3)/(x-1)^8$  ogf]  
A133510 7.15365  $-(5-16x+18x^6+24x^5-6x^2+68x^3-85x^4)/(x-1)/(-1+3x)/(2x-1)/(x+1)/(3x^3+2x^2-5x+2)$  lgdogf  
A133510 8.71648 [  $-(3x^3+2x^2-5x+2)/(x-1)/(3x-1)/(2x-1)/(x+1)$  ogf]  
A133511 13.3190 [  $-x^2*(3x-1)/(x+1)/(2x-1)/(x^2-x+1)$  ogf]  
A133511 14.4437  $-(1+18x^4-14x^3+3x^2)/(3x-1)/(2x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A133513 10.8396  $-3*(-1+x)*(2x^2+x+1)/(-1+3x)/(x+1)/(x^2-x+1)$  lgdogf  
A133513 12.8765 [  $-x*(3x-1)/(x+1)/(x^2-x+1)$  ogf]  
A133513 7.72589 [  $\{-a(n+3)-a(n), a(0) = 0, a(1) = 1, a(2) = -3\}$ , ogf]  
A133523 4.13125 [  $-(x^{14}+x^{13}+x^{12}-x^{10}-2x^9-4x^8-3x^7-3x^6+x^5+2x^4+2x^3+2x^2+x+1)/(x-1)/(x^2+x+1)/(x^{12}-x^7-2x^6-x^4-x+1)$  ogf]  
A133546 11.5450  $-(4-12x+9x^2-x^3+2x^4)/(x-1)/(-1+2x)/(x^3-x^2+2x-1)$  lgdogf  
A133546 8.35432 [  $-(x^3-x^2+2x-1)/(2x-1)^2/(x-1)^2$  ogf]  
A133552 3.65789 [  $-(x^{14}+x^{13}-x^{11}-x^{10}-2x^8-3x^7-2x^6+2x^5+2x^4+x^3+x^2+x-1)/(x^{15}-x^{12}-2x^9-2x^8+2x^6+x^5+x^3+x^2+x-1)$  ogf]  
A133558 14.5923 [  $-(x+1)/(9x^2+x-1)$  ogf]  
A133558 16.5071  $1/2/(9x+1)*(-1-x+(1+6x+37x^2)^{1/2})$  revogf  
A133558 19.5084  $-(2+18x+9x^2)/(x+1)/(9x^2+x-1)$  lgdogf  
A133558 8.00795 [  $\{-a(n+2)+a(n+1)+9a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A133563 14.4148 [  $\{-(-x^8-x^6-x^2-1)/(x^{10}-1)$  ogf\_with\_Euler\_transform]  
A133570 11.9091 [  $-(x^5-5x^4+3x^3-8x^2+4x-3)/(x^2+1)^2$  ogf]  
A133570 19.3018  $(x^3+3x-2)*(x^3-x-2)/(x^2+1)/(x^5-5x^4+3x^3-8x^2+4x-3)$  lgdogf  
A133572 14.7824 [  $-(2x^2+4x+1)/(2x-1)/(2x+1)$  ogf]  
A133572 8.62310 [  $\{a(n+3)-4a(n+1), a(0) = 1, a(1) = 4, a(2) = 6\}$ , ogf]  
A133573 7.29833 [  $-(2x^9-x^8+2x^7-x^6+2x^5+2x^3-x^2+2x-1)/(-x^{10}+1)$  ogf\_with\_Euler\_transform]  
A133577 13.3340 [  $-(x+1)/(10x^2+x-1)$  ogf]  
A133577 15.0163  $1/2/(10x+1)*(-1-x+(1+6x+41x^2)^{1/2})$  revogf  
A133577 16.6848  $-2*(1+10x+5x^2)/(x+1)/(10x^2+x-1)$  lgdogf  
A133577 7.38993 [  $\{-a(n+2)+a(n+1)+10a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A133585 9.52333 [  $-(x+1)*(x^3-x-1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A133586 16.5234 [  $(2x+1)/(x^2+x-1)/(x^2-x-1)$  ogf]

A133592 13.4667 [ (2\*x^2-1)/(6\*x^2+2\*x-1) ogf]  
A133592 6.46931 [ {-a(n+3)+2\*a(n+2)+6\*a(n+1), a(0) = 1, a(1) = 2, a(2) = 8}, ogf]  
A133594 12.3023 [ (3\*x^2-1)/(12\*x^2+3\*x-1) ogf]  
A133594 15.0688 3\*(1+6\*x+3\*x^2)/(12\*x^2+3\*x-1)/(3\*x^2-1) lgdogf  
A133594 5.91459 [ {-a(n+3)+3\*a(n+2)+12\*a(n+1), a(0) = 1, a(1) = 3, a(2) = 18}, ogf]  
A133600 14.0163 [ -(x+1)\*(3\*x+1)/(2\*x-1)/(2\*x+1) ogf]  
A133600 14.6318 -2\*(2+7\*x+8\*x^2)/(2\*x+1)/(2\*x-1)/(3\*x+1)/(x+1) lgdogf  
A133600 8.17617 [ {a(n+3)-4\*a(n+1), a(0) = 1, a(1) = 4, a(2) = 7}, ogf]  
A133622 14.5657 [ -(x^3+x^2-2\*x-1)/(x-1)^2/(x+1)^2 ogf]  
A133622 17.5266 -(-2-2\*x+2\*x^3+x^4-3\*x^2)/(x-1)/(x+1)/(x^3+x^2-2\*x-1) lgdogf  
A133622 5.00938 [ {(n+2)\*a(n+1)+(-2\*n-12)\*a(n+2)-a(n+3)\*n+(2\*n+8)\*a(n+4), a(0) = 1, a(1) = 2, a(2) = 1, a(3) = 3}, ogf]  
A133623 4.88398 [ -x^2\*(6\*x^11+12\*x^10+6\*x^9-12\*x^8-22\*x^7-7\*x^6+11\*x^5+12\*x^4-x^3-9\*x^2-7\*x-2)/(x^2+x+1)^2/(x-1)^2/(x+1)^2 ogf]  
A133628 12.9585 [ (3\*x+1)/(2\*x-1)/(2\*x+1)/(x-1) ogf]  
A133628 14.3205 -4\*(-1-2\*x+6\*x^3)/(x-1)/(2\*x+1)/(2\*x-1)/(3\*x+1) lgdogf  
A133628 6.13212 [ {-a(n+3)+a(n+2)+4\*a(n+1)-4\*a(n), a(0) = 1, a(1) = 4, a(2) = 8}, ogf]  
A133629 14.5135 [ (4\*x+1)/(x-1)/(5\*x^2-1) ogf]  
A133629 14.6665 -5\*(-1-2\*x+8\*x^3-x^2)/(x-1)/(4\*x+1)/(5\*x^2-1) lgdogf  
A133629 6.80720 [ {-a(n+3)+a(n+2)+5\*a(n+1)-5\*a(n), a(0) = 1, a(1) = 5, a(2) = 10}, ogf]  
A133631 16.0840 [ (x+1)/(4\*x^2-x+1) ogf]  
A133631 19.2308 -1/2\*(-1-x+(1+6\*x-15\*x^2)^(1/2))/(4\*x-1) revogf  
A133631 21.9781 -2\*(-1+4\*x+2\*x^2)/(x+1)/(4\*x^2-x+1) lgdogf  
A133631 8.82656 [ {a(n+2)-a(n+1)+4\*a(n), a(0) = 1, a(1) = 2}, ogf]  
A133632 10.8413 [ {a(n+2)-5\*a(n), a(0) = 1, a(1) = 4}, ogf]  
A133632 16.9230 [ -(4\*x+1)/(5\*x^2-1) ogf]  
A133632 17.9011 1/2/(5\*x+4)\*(-1+(1+20\*x^2+16\*x)^(1/2)) revogf  
A133632 19.4354 -2\*(2+5\*x+10\*x^2)/(4\*x+1)/(5\*x^2-1) lgdogf  
A133637 8.01466 [ -(-2\*x^7+x^6-2\*x^4-x^3+2\*x^2-1)/(-x^8-x^4-1) ogf\_with\_Euler\_transform]  
A133646 12.3424 [ (5\*x^2-1)/(30\*x^2+5\*x-1) ogf]  
A133646 14.7595 5\*(1+10\*x+5\*x^2)/(5\*x^2-1)/(30\*x^2+5\*x-1) lgdogf  
A133646 5.93385 [ {-a(n+3)+5\*a(n+2)+30\*a(n+1), a(0) = 1, a(1) = 5, a(2) = 50}, ogf]  
A133647 12.2186 [ -(3\*x^2+3\*x+1)/(3\*x-1)/(3\*x+1) ogf]  
A133647 7.04367 [ {-a(n+3)+9\*a(n+1), a(0) = 1, a(1) = 3, a(2) = 12}, ogf]  
A133648 10.8175 [ -(4\*x^2-7\*x+5)/(3\*x-1)/(x-1)^2 ogf]  
A133648 12.2075 -2\*(-9+22\*x+6\*x^3-15\*x^2)/(x-1)/(3\*x-1)/(4\*x^2-7\*x+5) lgdogf  
A133648 5.78833 [ {a(n+3)-5\*a(n+2)+7\*a(n+1)-3\*a(n), a(0) = 5, a(1) = 18, a(2) = 59}, ogf]  
A133649 13.5852 [ -(2\*x+1)\*(x^2+x+1)/(x+1)/(2\*x-1) ogf]  
A133649 7.20604 [ {a(n+4)-a(n+3)-2\*a(n+2), a(0) = 1, a(1) = 4, a(2) = 9, a(3) = 19}, ogf]  
A133653 18.0360 2\*(3+x)/(-1+x)/(x^2-4\*x-1) lgdogf  
A133653 4.69505 [ {-a(n+3)+2\*a(n+2)-a(n+1), a(0) = 1, a(1) = 6, a(2) = 10}, ogf]  
A133653 9.12434 [ -(x^2-4\*x-1)/(x-1)^2 ogf]  
A133654 13.1871 [ (x^2+1)/(x-1)/(x^2+2\*x-1) ogf]  
A133654 6.71129 [ {-a(n+3)+3\*a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 9}, ogf]  
A133655 14.9822 [ (2\*x^2+5\*x+1)/(x-1)^2 ogf]  
A133655 27.7920 -(7+9\*x)/(x-1)/(2\*x^2+5\*x+1) lgdogf  
A133655 7.70930 [ {-a(n+3)+2\*a(n+2)-a(n+1), a(0) = 1, a(1) = 7, a(2) = 15}, ogf]  
A133656 22.8775 -x\*(1+x)\*(x-1)^2/(-1-x+x^2) revogf  
A133657 6.41943 [ -(4\*x^6+6\*x^4+2\*x^3+2\*x^2-2\*x+4)/(-x^7-x^6-x^5-x^4-x^3-x^2-x-1) ogf\_with\_Euler\_transform]  
A133666 3.64420 [ (437500000\*x^17+62500000\*x^16+42\*x^2+35\*x+7)/(187500000\*x^17+62500000\*x^16+224\*x^3+98\*x^2+7\*x+7) ogf]  
A133668 14.1785 [ (5\*x+1)/(36\*x^2-x+1) ogf]

A133668 7.85794 [ $\{a(n+2)-a(n+1)+36*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A133669 10.3412  $-7*(-1+14*x+42*x^2)/(6*x+1)/(49*x^2-x+1)$  lgdogf  
A133669 4.81305 [ $\{a(n+2)-a(n+1)+49*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A133669 8.68441 [ $(6*x+1)/(49*x^2-x+1)$  ogf]  
A133669 9.40111  $-1/2*(-1-x+(1+26*x-195*x^2)^{(1/2)})/(-6+49*x)$  revogf  
A133671 13.0249 [ $(7*x+1)/(64*x^2-x+1)$  ogf]  
A133671 13.9574  $-1/2*(-1-x+(1+30*x-255*x^2)^{(1/2)})/(-7+64*x)$  revogf  
A133671 15.3531  $-8*(-1+16*x+56*x^2)/(7*x+1)/(64*x^2-x+1)$  lgdogf  
A133671 7.21863 [ $\{a(n+2)-a(n+1)+64*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A133672 13.6762 [ $(8*x+1)/(81*x^2-x+1)$  ogf]  
A133672 14.7063  $-1/2*(-1-x+(1+34*x-323*x^2)^{(1/2)})/(-8+81*x)$  revogf  
A133672 16.1769  $-9*(-1+18*x+72*x^2)/(8*x+1)/(81*x^2-x+1)$  lgdogf  
A133672 7.57955 [ $\{a(n+2)-a(n+1)+81*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A133673 10.0354 [ $-(x^3+3*x^2-4*x-7)/(x^2+x-1)^2$  ogf]  
A133673 13.7953  $-(-18-26*x+x^4+5*x^3-9*x^2)/(x^2+x-1)/(x^3+3*x^2-4*x-7)$  lgdogf  
A133678 14.3092 [ $(6*x^2-1)/(42*x^2+6*x-1)$  ogf]  
A133678 6.87944 [ $\{-a(n+3)+6*a(n+2)+42*a(n+1), a(0) = 1, a(1) = 6, a(2) = 72\}$ , ogf]  
A133680 10.1429 [ $(8*x^2-1)/(72*x^2+8*x-1)$  ogf]  
A133680 12.0930  $8*(1+16*x+8*x^2)/(8*x^2-1)/(72*x^2+8*x-1)$  lgdogf  
A133680 4.82995 [ $\{-a(n+3)+8*a(n+2)+72*a(n+1), a(0) = 1, a(1) = 8, a(2) = 128\}$ , ogf]  
A133681 10.5234  $9*(1+18*x+9*x^2)/(15*x-1)/(3*x-1)/(3*x+1)/(1+6*x)$  lgdogf  
A133681 10.5395 [ $(3*x-1)*(3*x+1)/(6*x+1)/(15*x-1)$  ogf]  
A133681 5.01883 [ $\{-a(n+3)+9*a(n+2)+90*a(n+1), a(0) = 1, a(1) = 9, a(2) = 162\}$ , ogf]  
A133683 10.3324  $-(1+2*x+6*x^6+8*x^5+11*x^4+2*x^3+3*x^2)/(x^2+x+1)/(2*x^5+x^3-1)$  lgdogf  
A133683 11.6871 [ $-(x^2+x+1)/(2*x^5+x^3-1)$  ogf]  
A133684 3.59484 [ $x*(x^2-x-1)/(2*x^2-1)/(x^2+1)$  ogf]  
A133690 8.12873 [ $-(4*x^7+4*x^6-2*x^5+4*x^4+8*x^3+4*x^2-2*x+4)/(-x^8+1)$  ogf\_with\_Euler\_transform]  
A133692 6.15454 [ $-(-2*x^7-2*x^6+x^5-2*x^4-4*x^3-2*x^2+x-2)/(x^8-1)$  ogf\_with\_Euler\_transform]  
A133694 13.6533 [ $(2*x^2-4*x-1)/(x-1)^3$  ogf]  
A133694 23.3509  $-(-7-4*x+2*x^2)/(x-1)/(2*x^2-4*x-1)$  lgdogf  
A133694 7.37035 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 7, a(2) = 16\}$ , ogf]  
A133706 4.25338 [ $\{(n^4-7*n^3+19*n^2-33*n+180)*a(n+1)+(-120*n-240)*a(n+2), a(0) = 1, a(1) = 2\}$ , egf]  
A133714 27.4817 [ $x^2+4*x+6$  ogf\_with\_Euler\_transform]  
A133718 5.73032 [ $-(x^4-4*x^3+11*x^2+6*x+1)/(x-1)^7$  ogf]  
A133719 4.53887 [ $-(6*x^5-24*x^4+45*x^3+64*x^2+13*x+1)/(x-1)^9$  ogf]  
A133720 3.47445 [ $(2*x^7-51*x^6+178*x^5-187*x^4-621*x^3-242*x^2-23*x-1)/(x-1)^{11}$  ogf]  
A133722 4.50824 [ $-x^2*(x^{12}-4*x^9+x^8+6*x^6-2*x^5+2*x^4-4*x^3+x^2+x+1)/(x-1)^5/(x^2+x+1)^5$  ogf]  
A133730 4.51634 [ $-(x-1)*(x^2-x-1)/(2*x^2-1)/(x^2+1)$  ogf]  
A133739 6.96561 [ $-(4*x^8-9*x^7+14*x^6-2*x^5-5*x^4+5*x^3+6*x^2-14*x+9)/(-x^9-x^6-x^3-1)$  ogf\_with\_Euler\_transform]  
A133752 19.5552 [ $-1/(256*x-1)$  ogf]  
A133752 25.8723  $1/256*\ln(1+256*x)$  revegf  
A133752 29.3219  $-256/(-1+256*x)$  lgdogf  
A133752 8.32906 [ $\{a(n+1)-256*a(n), a(0) = 1\}$ , ogf]  
A133754 23.2415  $-(9+17*x+4*x^2)/(-1+x)/(1+3*x+x^2)$  lgdogf  
A133754 4.08823 [ $\{(-152*n^2-895*n-1317)*a(n+1)+(-371*n^2-3914*n-8199)*a(n+2)+(523*n^2+1434*n+911)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 24\}$ , ogf]  
A133754 8.05257 [ $24*x^2*(x^2+3*x+1)/(x-1)^6$  ogf]  
A133766 13.9420  $-(-105-333*x+x^3-75*x^2)/(x-1)/(x^3-39*x^2-85*x-5)$  lgdogf  
A133766 3.74124 [ $\{(4*n^2+21*n+26)*a(n+1)+(-16*n^2-108*n-215)*a(n+2)+(12*n^2+63*n+81)*a(n+3), a(0) = 15, a(1) = 315, a(2) = 1287\}$ , ogf]

A133766 8.66873 [  $-3*(x^3-39*x^2-85*x-5)/(x-1)^4$  ogf]  
A133767 15.3037  $-(231+275*x+x^3+5*x^2)/(x-1)/(x^3+x^2+91*x+35)$  lgdogf  
A133767 3.71867 [  $\{(-4*n^2-23*n-30)*a(n+1)+(-16*n^2-164*n-363)*a(n+2)+(20*n^2+115*n+165)*a(n+3), a(0) = 105, a(1) = 693, a(2) = 2145\}$ , ogf]  
A133767 8.86054 [  $3*(x^3+x^2+91*x+35)/(x-1)^4$  ogf]  
A133789 5.01844  $-2*(-2+24*x+264*x^5-491*x^4+348*x^3-125*x^2)/(-1+x)/(-1+3*x)/(2*x-1)/(4*x-1)/(11*x^2-6*x+1)$  lgdogf  
A133789 9.52368 [  $x*(11*x^2-6*x+1)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A133799 12.4079  $3*(2-4*x+x^4-4*x^3+6*x^2)/(x-1)/(3*x^4-8*x^3+6*x^2-2)$  lgdegf  
A133799 3.28330 [  $\{(6*n^2+24*n)*a(n+1)-6*n*a(n+2)+(-n^2-10*n-24)*a(n+3)+(n+4)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 30\}$ , ogf]  
A133799 9.17526 [  $1/2*(3*x^4-8*x^3+6*x^2-2)/(x-1)^3$  egf]  
A133806 8.90398 [  $-x*(x^4-x^3-x^2+x+1)/(2*x^2-1)/(x^4-x^2+1)$  ogf]  
A133818 5.95455 [  $3*(5*x^4-3028*x^3-18850*x^2-10580*x-315)/(x-1)^5$  ogf]  
A133818 7.31614  $-(-12155-80020*x+5*x^4-6036*x^3-65634*x^2)/(x-1)/(5*x^4-3028*x^3-18850*x^2-10580*x-315)$  lgdogf  
A133849 5.69680 [  $\{-a(n+3)+5*a(n+2), a(0) = 20169691981106018776756331, a(1) = 33426748355, a(2) = 5391411025\}$ , ogf]  
A133849 6.81487 [  $215656441*(750*x^2+467634815069261300*x-93526963013852291)/(5*x-1)$  ogf]  
A133851 25.5295 [  $-1/(4*x^3-1)$  ogf]  
A133851 42.5491  $-12*x^2/(-1+4*x^3)$  lgdogf  
A133851 8.62482 [  $\{a(n+3)-4*a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , ogf]  
A133853 17.1901 [  $x/(64*x-1)/(x-1)$  ogf]  
A133853 7.24882 [  $\{a(n+2)-65*a(n+1)+64*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A133872 20.2510 [  $-1/(x-1)/(x^2+1)$  ogf]  
A133872 25.7844 [  $[x^3-x+1]$  ogf\_with\_Euler\_transform]  
A133872 33.5406  $-(-2*x+1+3*x^2)/(x-1)/(1+x^2)$  lgdogf  
A133872 6.75034 [  $\{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 0\}$ , ogf]  
A133873 11.4755 [  $-(2*x^3+1)/(x-1)/(x^6+x^3+1)$  ogf]  
A133873 15.6883  $-(1+9*x^6-6*x^5+3*x^2-6*x^8+8*x^9)/(x-1)/(1+2*x^3)/(x^6+x^3+1)$  lgdogf  
A133874 8.60777  $-(1+14*x^12-x^4+4*x^3+16*x^7-10*x^8-8*x^11-16*x^15+21*x^16-12*x^19+15*x^20)/(x-1)/(x^4+1)/(1+x^8)/(3*x^8+2*x^4+1)$  lgdogf  
A133874 8.88483 [  $-(3*x^8+2*x^4+1)/(x-1)/(x^4+1)/(x^8+1)$  ogf]  
A133875 6.96290 [  $-(4*x^15+3*x^10+2*x^5+1)/(x-1)/(x^20+x^15+x^10+x^5+1)$  ogf]  
A133876 5.90695 [  $-(5*x^24+4*x^18+3*x^12+2*x^6+1)/(x-1)/(x^2+1)/(x^4-x^2+1)/(x^6+x^3+1)/(x^6-x^3+1)/(x^12-x^6+1)$  ogf]  
A133877 5.06086 [  $-(6*x^35+5*x^28+4*x^21+3*x^14+2*x^7+1)/(x-1)/(x^42+x^35+x^28+x^21+x^14+x^7+1)$  ogf]  
A133882 8.61674 [  $-(x^4+2*x^3+2*x+1)/(x-1)/(x^2+1)/(x^4+1)$  ogf]  
A133882 9.92528  $-(3-2*x-6*x^6-2*x^4+4*x^5+7*x^2+16*x^7-5*x^8+6*x^9+3*x^10)/(x-1)/(1+x^2)/(x^4+1)/(x^4+2*x^3+2*x+1)$  lgdogf  
A133884 8.22054 [  $-(x^8+2*x^6+2*x^2+1)/(x-1)/(x^4+1)/(x^8+1)$  ogf]  
A133893 12.5709 [  $(x+2)*(x^2-x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
A133893 13.5071  $-(7+9*x+x^5+3*x^4+5*x^3+29*x^2)/(x-1)/(x+2)/(x^2+x+1)/(x^2-x+3)$  lgdogf  
A133893 5.19398 [  $\{(-3*n-13)*a(n+1)-3*a(n+2)-3*a(n+3)+(3*n+10)*a(n+4), a(0) = 6, a(1) = 7, a(2) = 8, a(3) = 15\}$ , ogf]  
A133894 10.9840 [  $(x^2-2*x+3)*(x^2+3*x+4)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A133894 9.33901  $-(13+15*x+x^7+3*x^6+5*x^5+7*x^4+67*x^3+17*x^2)/(x-1)/(x+1)/(x^2-2*x+3)/(x^2+3*x+4)/(x^2+1)$  lgdogf  
A133895 7.63688  $-(21+23*x+9*x^5+129*x^4+27*x^3+7*x^6+5*x^7+3*x^8+25*x^2+x^9)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5+x^4+x^3+x^2+x+20)$  lgdogf  
A133895 9.68892 [  $(x^5+x^4+x^3+x^2+x+20)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A133897 8.21110 [  $(x^7+x^6+x^5+x^4+x^3+x^2+x+42)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A133898 7.47136 [  $(x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+56)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A133899 7.03938 [  $(x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+72)/(x^2+x+1)/(x^6+x^3+1)/$



$(x-1)^2 \text{ ogf}]$   
A133925 10.2184  $-(1+4*x+8*x^6+13*x^4+12*x^3+12*x^5+11*x^2+4*x^7)/(2*x^3+2*x^2+2*x+1)/(x^5+x^4+x^3-x-1) \text{ lgdogf}$   
A133925 10.9530  $[-x*(2*x^3+2*x^2+2*x+1)/(x^5+x^4+x^3-x-1) \text{ ogf}]$   
A133926 12.4542  $-(1+2*x-4*x^6-4*x^5-2*x^3+2*x^9+4*x^2)/(-1+x)/(x^4-x-1)/(x^5+x^4+x^3-x-1) \text{ lgdogf}$   
A133926 22.4810  $[1/(x-1)/(x^5+x^4+x^3-x-1) \text{ ogf}]$   
A133931 10.1403  $[(x^3+4*x^2-2)/(x^2+x-1)/(x-1)^2 \text{ ogf}]$   
A133931 11.8983  $-(6-10*x+9*x^4+7*x^3+x^5-7*x^2)/(x-1)/(x^2+x-1)/(x^3+4*x^2-2) \text{ lgdogf}$   
A133931 4.06725  $[{(-3*n-4)*a(n+1)-3*a(n+2)+(6*n+5)*a(n+3)+(-3*n-1)*a(n+4), a(0) = 2, a(1) = 6, a(2) = 10, a(3) = 15}], \text{ ogf}]$   
A133942 23.2601  $[1/(x+1) \text{ egf}]$   
A133942 6.60799  $[{(-n-2)*a(n+1)-a(n+2), a(0) = 1, a(1) = -1}], \text{ ogf}]$   
A133942 66.6412  $-1+\exp(x) \text{ revegf}$   
A133942 74.9713  $-1/(x+1) \text{ lgdegf}$   
A133953 11.3715  $[2*(2*x-1)*(x+1)/(x^2+2*x-1)/(x-1)^2 \text{ ogf}]$   
A133953 11.7275  $-(3-9*x+3*x^2+7*x^3+4*x^4)/(x-1)/(2*x-1)/(x+1)/(x^2+2*x-1) \text{ lgdogf}$   
A133953 3.48575  $[{(-2*n-5)*a(n+1)+(-2*n-7)*a(n+2)+(6*n+11)*a(n+3)+(-2*n-3)*a(n+4), a(0) = 2, a(1) = 6, a(2) = 12, a(3) = 24}], \text{ ogf}]$   
A133985 3.36360  $[-(x^9+2*x^7-x^6-x^5+x^4-2*x^3+2*x-1)/(x^{10}-x^9+x^7-x^6+x^4-x^3+x-1) \text{ ogf\_with\_Euler\_transform}]$   
A133988 3.60898  $[-(x^{11}-2*x^{10}+3*x^9-x^8+x^7-2*x^6+2*x^5-2*x^4+x^3-x^2+3*x-2)/(-x^{12}+1) \text{ ogf\_with\_Euler\_transform}]$   
A133989 1.88047  $[-1/(-x^3+x^2-1) \text{ ogf\_with\_Euler\_transform}]$   
A134005 13.2322  $[-(2*x^{20}-2*x^{18}-2)/(x^2-1) \text{ ogf\_with\_Euler\_transform}]$   
A134006 5.20168  $-2*(2-43*x+370*x^2-1618*x^3+3782*x^4-4515*x^5+2310*x^6)/(x-1)/(7*x-1)/(-1+3*x)/(5*x-1)/(-1+4*x)/(11*x^2-8*x+1) \text{ lgdogf}$   
A134006 6.63826  $[-4*(4*x-1)*(11*x^2-8*x+1)/(x-1)/(3*x-1)/(7*x-1)/(5*x-1) \text{ ogf}]$   
A134007 5.13323  $[-(1689*x^4-1900*x^3+690*x^2-100*x+5)/(x-1)/(3*x-1)/(9*x-1)/(7*x-1)/(5*x-1) \text{ ogf}]$   
A134008 3.85383  $[-2*(6*x-1)*(1627*x^4-1752*x^3+578*x^2-72*x+3)/(x-1)/(9*x-1)/(7*x-1)/(3*x-1)/(5*x-1)/(11*x-1) \text{ ogf}]$   
A134011 26.8091  $[x^8-2*x^4+2 \text{ ogf\_with\_Euler\_transform}]$   
A134011 6.89071  $-(2+4*x+9*x^8+8*x^3+7*x^9+5*x^{10}+6*x^2+x^{12}+3*x^{11})/(-1+x)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^3+1) \text{ lgdogf}$   
A134011 8.03620  $[-(x^4+x^3+x^2+x+1)^2/(x-1)/(x^2+x+1)/(x^6+x^3+1) \text{ ogf}]$   
A134012 7.52892  $[-(x^2+3*x+1)^2/(x-1)/(x^4+x^3+x^2+x+1) \text{ ogf}]$   
A134012 7.88327  $-(6+4*x+x^6+9*x^5+5*x^4)/(-1+x)/(1+3*x+x^2)/(x^4+x^3+x^2+x+1) \text{ lgdogf}$   
A134013 4.30588  $[-(2*x^{10}+3*x^8+x^7+x^2-x+2)/(-x^{11}-x^{10}-x^9-x^8-x^3-x^2-x-1) \text{ ogf\_with\_Euler\_transform}]$   
A134014 3.15074  $[-(2*x^{13}+2*x^{12}-x^{11}+2*x^8+x^7+3*x^5+2*x^4-2*x^3+x+2)/(-x^{14}+x^{12}-x^{10}+x^8-x^6+x^4-x^2+1) \text{ ogf\_with\_Euler\_transform}]$   
A134016 10.3082  $[(x^3-2*x^2-6*x-2)/(x^4+4*x^2-1) \text{ ogf}]$   
A134016 9.94593  $-(x+3)*(x^5-7*x^4-x^3-5*x^2-6*x-2)/(x^3-2*x^2-6*x-2)/(x^4+4*x^2-1) \text{ lgdogf}$   
A134017 4.56471  $[-(x^8+2*x^7+4*x^6+3*x^5+5*x^4+3*x^3+4*x^2+2*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1) \text{ ogf}]$   
A134018 5.07420  $-(-3+40*x+720*x^5-1254*x^4+796*x^3-245*x^2)/(-1+x)/(-1+3*x)/(2*x-1)/(4*x-1)/(15*x^2-7*x+1) \text{ lgdogf}$   
A134018 9.52368  $[x*(15*x^2-7*x+1)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1) \text{ ogf}]$   
A134019 10.6874  $[-(9*x^3-19*x^2+8*x-1)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1) \text{ ogf}]$   
A134021 11.5795  $(-1-2*x-5*x^4+4*x^5+x^2-14*x^{13}+13*x^{14}-41*x^{40}+40*x^{41})/(x-1)/(x^{41}+x^{14}+x^5+x^2+1) \text{ lgdogf}$   
A134021 14.7954  $[-(x^{41}+x^{14}+x^5+x^2+1)/(x-1) \text{ ogf}]$   
A134025 6.45557  $(3-x-20*x^3+8*x^4-1720*x^{22}+880*x^{21}+91*x^9-195*x^8+104*x^7+840*x^{23}+12*x^2)/(x-1)/(40*x^{23}-40*x^{22}+13*x^9-13*x^8+4*x^4-4*x^3+x^2-x-1) \text{ lgdogf}$   
A134025 7.83504  $[-x*(40*x^{23}-40*x^{22}+13*x^9-13*x^8+4*x^4-4*x^3+x^2-x-1)/(x-1)^2$

ogf]  
 A134029 7.47509 [  $-(3*x^8+2*x^7+4*x^6+x^5+5*x^4+x^3+4*x^2+2*x+3)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
 A134035 5.69397 [  $(3*x^6+4*x^5-7*x^3-8*x^2+2*x+2)/(x+1)/(3*x^4-5*x^2+1)/(x-1)^2$  ogf]  
 A134045 10.6874 [  $(3*x^3+12*x^2-7*x+1)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]  
 A134057 11.7878  $-(7-28*x+24*x^2)/(-1+x)/(2*x-1)/(4*x-1)$  lgdogf  
 A134057 13.5413 [  $-3*x^2/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
 A134057 5.61169 [  $\{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 0, a(1) = 0, a(2) = 3\}$ , ogf]  
 A134062 14.5823 [  $-(4*x^2-5*x-1)/(2*x-1)/(x-1)$  ogf]  
 A134062 7.50350 [  $\{-a(n+3)+3*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 8, a(2) = 18\}$ , ogf]  
 A134063 11.7078  $-(1-8*x+42*x^4-60*x^3+31*x^2)/(x-1)/(3*x-1)/(2*x-1)/(7*x^2-5*x+1)$  lgdogf  
 A134063 12.4916 [  $-(7*x^2-5*x+1)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
 A134063 6.85380 [  $\{a(n+3)-6*a(n+2)+11*a(n+1)-6*a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
 A134064 9.76840 [  $-(17*x^3-21*x^2+8*x-1)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]  
 A134067 14.3861 [  $-(2*x^2-3*x-1)/(2*x-1)/(x-1)$  ogf]  
 A134067 19.1949  $2*(-3+4*x)/(-1+x)/(2*x-1)/(2*x^2-3*x-1)$  lgdogf  
 A134067 7.40255 [  $\{-a(n+3)+3*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 6, a(2) = 14\}$ , ogf]  
 A134077 8.18055 [  $-(4*x^4-x^3-3*x^2+x-5)/(x^5-x^4+x^3-x^2+x-1)$  ogf\_with\_Euler\_transform]  
 A134079 7.40926 [  $-(4*x^7-2*x^6+4*x^5+4*x^4-2*x^3-4*x^2-4*x+2)/(x^8+x^4+1)$  ogf\_with\_Euler\_transform]  
 A134119 15.0281 [  $x^4*(x^4+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
 A134119 7.22727  $-(1+x+x^2+5*x^3+2*x^4+2*x^5+2*x^6+2*x^7+2*x^8+12*x^9+x^10+x^11+x^12+7*x^13)/(x-1)/(x+1)/(x^4+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
 A134132 8.18068 [  $-(x^16-x^14+x^12+x^10+x^6+x^4-x^2+1)/(x^18-1)$  ogf\_with\_Euler\_transform]  
 A134136 15.4835 [  $-x*(x+1)/(2*x-1)/(2*x^2+2*x+1)$  ogf]  
 A134136 8.82394 [  $\{a(n+3)-2*a(n+1)-4*a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
 A134137 18.5215  $-(3+12*x+4*x^3-12*x^2)/(x-1)^4$  lgdegf  
 A134138 23.1540  $-(2-6*x+3*x^2)/(x-1)^3$  lgdegf  
 A134139 16.3934  $-(4-20*x+5*x^4-20*x^3+30*x^2)/(x-1)^5$  lgdegf  
 A134140 14.1333  $-(5+30*x+6*x^5-30*x^4+60*x^3-60*x^2)/(x-1)^6$  lgdegf  
 A134142 10.4451 [  $\{a(n+2)+2*a(n+1)+2*a(n), a(0) = 2, a(1) = -3\}$ , ogf]  
 A134142 19.0333 [  $(x+2)/(2*x^2+2*x+1)$  ogf]  
 A134142 27.2064  $-(3+8*x+2*x^2)/(x+2)/(2*x^2+2*x+1)$  lgdogf  
 A134142 28.9068  $-(1+x+(1-x-x^2)^{(1/2)})/(-1+2*x)$  revogf  
 A134153 12.1971 [  $-(7*x^2+22*x+1)/(x-1)^3$  ogf]  
 A134153 20.0396  $-(25+58*x+7*x^2)/(x-1)/(7*x^2+22*x+1)$  lgdogf  
 A134153 6.63351 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 25, a(2) = 79\}$ , ogf]  
 A134154 12.4584 [  $-(25*x^2+4*x+1)/(x-1)^3$  ogf]  
 A134154 20.4748  $-(25*x^2+58*x+7)/(x-1)/(25*x^2+4*x+1)$  lgdogf  
 A134154 6.83560 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 7, a(2) = 43\}$ , ogf]  
 A134155 5.96998 [  $-(589*x^4+9446*x^3+12858*x^2+1802*x+1)/(x-1)^5$  ogf]  
 A134155 7.19627  $-(1807+32924*x+589*x^4+21248*x^3+66912*x^2)/(x-1)/(589*x^4+9446*x^3+12858*x^2+1802*x+1)$  lgdogf  
 A134157 9.46163 [  $-(x^8+x^6+x^5+x^4+x^3+x^2+1)/(x^10-1)$  ogf\_with\_Euler\_transform]  
 A134158 7.11532 [  $-(373*x^4+8498*x^3+13638*x^2+2186*x+1)/(x-1)^5$  ogf]  
 A134158 7.19627  $-(2191+36020*x+373*x^4+18488*x^3+66408*x^2)/(x-1)/(373*x^4+8498*x^3+13638*x^2+2186*x+1)$  lgdogf  
 A134159 5.94413 [  $-(163*x^4+6596*x^3+14556*x^2+3368*x+13)/(x-1)^5$  ogf]  
 A134159 7.15061  $-(3433+42584*x+163*x^4+13844*x^3+63456*x^2)/(x-1)/$

(163\*x^4+6596\*x^3+14556\*x^2+3368\*x+13) lgdogf  
 A134160 6.00298 [ -(13\*x^4+3368\*x^3+14556\*x^2+6596\*x+163)/(x-1)^5 ogf]  
 A134160 7.39081 -(7411+55496\*x+13\*x^4+6788\*x^3+53772\*x^2)/(x-1)/(163+6596\*x  
 +14556\*x^2+3368\*x^3+13\*x^4) lgdogf  
 A134161 6.11849 [ -(x^4+2186\*x^3+13638\*x^2+8498\*x+373)/(x-1)^5 ogf]  
 A134161 7.92551 -(10363+61268\*x+47472\*x^2+4376\*x^3+x^4)/(x-1)/  
 (x^4+2186\*x^3+13638\*x^2+8498\*x+373) lgdogf  
 A134163 10.1019 -(187+1940\*x+x^4+368\*x^3+2364\*x^2)/(x-1)/  
 (x^4+182\*x^3+606\*x^2+182\*x+1) lgdogf  
 A134163 7.13467 [ -(x^4+182\*x^3+606\*x^2+182\*x+1)/(x-1)^5 ogf]  
 A134165 5.71776 [ -(x^3-13\*x^2+7\*x-1)/(x-1)/(3\*x-1)/(2\*x-1)/(4\*x-1) ogf]  
 A134168 10.7281 [ -(5\*x^3-14\*x^2+7\*x-1)/(x-1)/(3\*x-1)/(2\*x-1)/(4\*x-1) ogf]  
 A134169 10.1493 [ -(7\*x^2-5\*x+1)/(x-1)/(2\*x-1)/(4\*x-1) ogf]  
 A134169 5.56862 [{a(n+3)-7\*a(n+2)+14\*a(n+1)-8\*a(n), a(0) = 1, a(1) = 2, a(2) =  
 7}], ogf]  
 A134169 9.06679 -(2-14\*x+45\*x^2-80\*x^3+56\*x^4)/(x-1)/(-1+2\*x)/(-1+4\*x)/  
 (7\*x^2-5\*x+1) lgdogf  
 A134171 100.983 -4/(x-1) lgdogf  
 A134171 15.0288 [ 27\*x^3/(x-1)^4 ogf]  
 A134171 6.44090 [{(-1+n)\*a(n+2)+(-2-n)\*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0,  
 a(3) = 27}], ogf]  
 A134171 61.9987 [[4] ogf\_with\_Euler\_transform]  
 A134172 10.8979 [ x^2\*(x+1)\*(x^2-x+1)/(x-1)^2/(x^2+1)^2 ogf]  
 A134172 15.8204 -(2-4\*x-x^4-x^3+3\*x^5+9\*x^2)/(x-1)/(x+1)/(1+x^2)/(x^2-x+1)  
 lgdogf  
 A134172 22.5274 [-x^5+2\*x^3+x^2-2\*x+2 ogf\_with\_Euler\_transform]  
 A134175 12.2609 [ -384\*x^4/(x-1)^5 ogf]  
 A134175 5.77505 [{(-2+n)\*a(n+2)+(-2-n)\*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0,  
 a(3) = 0, a(4) = 384}], ogf]  
 A134175 60.7855 [[5] ogf\_with\_Euler\_transform]  
 A134175 99.6197 -5/(x-1) lgdogf  
 A134176 20.1635 -(16+74\*x+45\*x^2)/(x-1)/(15\*x^2+11\*x+1) lgdogf  
 A134176 8.81590 [ -9\*x^2\*(15\*x^2+11\*x+1)/(x-1)^5 ogf]  
 A134186 11.4509 [ -(5\*x^4+5\*x^3-7\*x-4)/(x^2-x-1)/(x^3+x^2-1) ogf]  
 A134186 9.61815 -(x+1)\*(5\*x^7+5\*x^6+5\*x^5-13\*x^4-12\*x^3+10\*x^2+13\*x+3)/(x^2-  
 x-1)/(x^3+x^2-1)/(5\*x^4+5\*x^3-7\*x-4) lgdogf  
 A134201 17.5659 [ -(4\*x^2+x+1)/(x-1) ogf]  
 A134201 5.48389 2\*(-1-4\*x+2\*x^2)/(-1+x)/(1+4\*x^2+x) lgdogf  
 A134201 9.41031 [{-a(n+3)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 6}], ogf]  
 A134202 15.7309 [ -(x^3+8\*x^2+4\*x+1)/(x-1) ogf]  
 A134202 8.50755 [{a(n+4)-a(n+3), a(0) = 1, a(1) = 5, a(2) = 13, a(3) = 14}], ogf]  
 A134227 13.7770 -(-4-2\*x+3\*x^2)/(-1+x)/(x^3-x-1) lgdogf  
 A134227 7.46041 [ (x^3-x-1)/(x-1)^3 ogf]  
 A134230 12.4466 -1/20\*(-3-110\*x+3\*(1-20\*x+900\*x^2)^(1/2))/(21+100\*x) revogf  
 A134230 12.6549 [ -3\*(70\*x-1)/(100\*x-1)/(10\*x-1) ogf]  
 A134230 13.2087 -40\*(1-50\*x+1750\*x^2)/(100\*x-1)/(70\*x-1)/(10\*x-1) lgdogf  
 A134230 7.39389 [{a(n+2)-110\*a(n+1)+1000\*a(n), a(0) = 3, a(1) = 120}], ogf]  
 A134238 12.8667 [ -(2\*x^2+2\*x+1)/(x-1)^3 ogf]  
 A134238 22.6340 -(5+8\*x+2\*x^2)/(x-1)/(2\*x^2+2\*x+1) lgdogf  
 A134238 6.94576 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 14},  
 ogf]  
 A134241 17.8273 -5\*(4\*x+5)\*(3\*x+1)/(x-1)/(5\*x+1)/(3\*x+2) lgdogf  
 A134241 3.44434 [{(-3097\*n^2-15875\*n-19362)\*a(n+1)+(218\*n^2-16882\*n-55286)\*a(n  
 +2)+(2879\*n^2+2877\*n)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 384}], ogf]  
 A134241 6.88868 [ 192\*x^3\*(3\*x+2)\*(5\*x+1)/(x-1)^6 ogf]  
 A134250 11.7245 [ -(7\*x^2-9\*x-4)/(x-1)/(x^2-3\*x-1) ogf]  
 A134250 12.1568 -(1+18\*x+7\*x^4-18\*x^3+10\*x^2)/(x-1)/(7\*x^2-9\*x-4)/(x^2-3\*x-1)  
 lgdogf  
 A134250 6.38569 [{-a(n+3)-2\*a(n+2)+4\*a(n+1)-a(n), a(0) = 4, a(1) = 1, a(2) = 7},  
 ogf]  
 A134267 4.85620 [ -(2\*x^4+2\*x^3+3\*x^2+2\*x+3)/(x-1)/(x+1)/(x^2+1) ogf]

A134268 8.36631 [  $-x*(99*x^7+36*x^6+117*x^5+108*x^4+54*x^3+19*x^2+3*x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A134270 14.8373 [  $-(x-1)/(2*x-1)/(2*x^3+x^2-1)$  ogf]  
A134287 4.26342 [  $(5*x^4+40*x^3+60*x^2+20*x+1)/(x-1)^{10}$  ogf]  
A134287 5.23395 [  $\{(n^2+13*n+42)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 1, a(1) = 30\}$ , ogf]  
A134287 9.70616  $-30*(1+10*x+x^4+10*x^3+20*x^2)/(x-1)/(5*x^4+40*x^3+60*x^2+20*x+1)$  lgdogf  
A134288 6.11887 [  $\{(n^2+17*n+72)*a(n+1)+(-n^2-5*n-6)*a(n+2), a(0) = 1, a(1) = 28\}$ , ogf]  
A134288 9.36188  $-4*(7+70*x+2*x^5+35*x^4+140*x^3+175*x^2)/(x-1)/(x+1)/(x^4+14*x^3+36*x^2+14*x+1)$  lgdogf  
A134289 6.22840 [  $\{(n^2+19*n+90)*a(n+1)+(-n^2-5*n-6)*a(n+2), a(0) = 1, a(1) = 36\}$ , ogf]  
A134289 7.84602  $-9*(4+56*x+210*x^2+280*x^3+140*x^4+24*x^5+x^6)/(x-1)/(x^6+21*x^5+105*x^4+175*x^3+105*x^2+21*x+1)$  lgdogf  
A134290 6.12544 [  $\{(n^2+21*n+110)*a(n+1)+(-n^2-5*n-6)*a(n+2), a(0) = 1, a(1) = 45\}$ , ogf]  
A134291 4.78351 [  $\{(n^2+23*n+132)*a(n+1)+(-n^2-5*n-6)*a(n+2), a(0) = 1, a(1) = 55\}$ , ogf]  
A134297 23.1376 [  $107/(x-1)^2$  ogf]  
A134297 24.0812  $428*x/(107+(11449+428*x)^{(1/2)})^2$  revogf  
A134297 61.9152 [[2] ogf\_with\_Euler\_transform]  
A134297 9.41648 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 107, a(1) = 214\}$ , ogf]  
A134297 99.3350  $-2/(x-1)$  lgdogf  
A134298 3.33280 [  $14025517307*(x^4+26*x^3+66*x^2+26*x+1)/(x-1)^6$  ogf]  
A134298 7.89215  $-2*(16+131*x+x^4+41*x^3+171*x^2)/(x-1)/(x^4+26*x^3+66*x^2+26*x+1)$  lgdogf  
A134300 4.97726 [  $(7*x^4+x^3-2*x^2+2*x+6)/(x+1)/(x^4+1)$  ogf]  
A134300 5.29509  $-(4+4*x+7*x^8-5*x^6+4*x^5+2*x^7+15*x^4-6*x^3-x^2)/(x+1)/(7*x^4+x^3-2*x^2+2*x+6)/(x^4+1)$  lgdogf  
A134301 8.41400  $-(3+2*x+3*x^6+12*x^5+5*x^4)/(-1+x)/(1+3*x+x^2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A134301 8.42755 [  $-2*x*(x^2+3*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A134311 11.4248  $2*(1-2*x+2*x^4)/(-1+x)/(2*x-1)/(2*x^4-8*x^3+8*x^2-4*x+1)$  lgdogf  
A134311 7.50869 [  $(2*x^4-8*x^3+8*x^2-4*x+1)/(2*x-1)^2/(x-1)^2$  ogf]  
A134314 10.5366 [  $-8*(x^2+x+1)/(x^2+1)/(x+1)^2$  ogf]  
A134314 16.9574  $-(1+x+2*x^4+3*x^3+5*x^2)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A134314 21.9229 [  $x^3-x^2+x-1$  ogf\_with\_Euler\_transform]  
A134314 5.08411 [  $\{-a(n+4)-2*a(n+3)-2*a(n+2)-2*a(n+1)-a(n), a(0) = -8, a(1) = 8, a(2) = -8, a(3) = 16\}$ , ogf]  
A134316 3.43147 [  $\{(n+5)*a(n+1)-a(n+2)+(-n-5)*a(n+3)+a(n+4), a(0) = 2, a(1) = 4, a(2) = 8, a(3) = 28\}$ , ogf]  
A134325 3.89030 [  $-(x^8+7*x^7-40*x^6-60*x^5+18*x^4+51*x^3+10*x^2-9*x-3)/(x^9+7*x^8-43*x^7-48*x^6+38*x^5+47*x^4-7*x^3-13*x^2+1)$  ogf]  
A134326 4.10411 [  $-(11*x^7+10*x^6-51*x^5-51*x^4+10*x^3+25*x^2+x-3)/(5*x^8+8*x^7-42*x^6-37*x^5+19*x^4+23*x^3-5*x^2-4*x+1)$  ogf]  
A134327 13.1797  $-(-1+17*x+x^5+50*x^2+70*x^3+7*x^4)/(x-1)/(x^5+x^4+22*x^3-4*x^2+5*x-1)$  lgdogf  
A134327 8.11215 [  $(x^5+x^4+22*x^3-4*x^2+5*x-1)/(x-1)^6$  ogf]  
A134340 13.4540 [  $-(6*x^2+7*x+5)/(-x^3-2*x^2-2*x-1)$  ogf\_with\_Euler\_transform]  
A134341 22.7821 [  $144/(x-1)^2$  ogf]  
A134341 39.1165  $x/(6+(36+x)^{(1/2)})^2$  revogf  
A134341 60.9528 [[2] ogf\_with\_Euler\_transform]  
A134341 9.27179 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 144, a(1) = 288\}$ , ogf]  
A134341 97.7912  $-2/(x-1)$  lgdogf  
A134343 11.0973 [  $-(2*x^3+2*x^2+2)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A134350 3.10727 [  $(8*x^2-x-1)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A134351 13.0232 [  $-(6*x^2-3*x-1)/(2*x-1)/(x-1)$  ogf]  
A134351 15.3749  $-2*(3-8*x+6*x^2)/(x-1)/(2*x-1)/(6*x^2-3*x-1)$  lgdogf  
A134351 6.70128 [  $\{a(n+3)-3*a(n+2)+2*a(n+1), a(0) = 1, a(1) = 6, a(2) = 10\}$ , ogf]

A134353 20.0471 [  $1/(2*x+1)/(2*x-1)^2$  ogf]  
A134353 28.0002  $-2*(1+6*x)/(2*x-1)/(2*x+1)$  lgdogf  
A134353 6.62270 [  $\{a(n+3)-2*a(n+2)-4*a(n+1)+8*a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A134393 11.0932 [  $-(3*x^2-2*x+1)/(x-1)^5$  ogf]  
A134393 15.8841  $-(3-2*x+9*x^2)/(-1+x)/(3*x^2-2*x+1)$  lgdogf  
A134393 4.38180 [  $\{(-n-4)*a(n+4)+(12+3*n)*a(n+3)+(-12-5*n)*a(n+2)+(12+3*n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 20\}$ , ogf]  
A134396 12.6372  $-(-3+12*x+10*x^3-21*x^2)/(x-1)/(-1+2*x)/(5*x^2-4*x+1)$  lgdogf  
A134396 4.43885 [  $\{(6*n+12)*a(n+1)+(-5*n-1)*a(n+2)+(n-1)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 27, a(4) = 80\}$ , ogf]  
A134396 9.82096 [  $-(x-1)*(5*x^2-4*x+1)/(2*x-1)^4$  ogf]  
A134401 12.5797 [  $(4*x^2-2*x+1)/(2*x-1)^2$  ogf]  
A134401 19.7956  $-2*(2*x+1)/(-1+2*x)/(4*x^2-2*x+1)$  lgdogf  
A134401 6.53652 [  $\{-a(n+3)+4*a(n+2)-4*a(n+1), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A134405 5.03395  $-(-1+3*x+2*x^6+3*x^5+2*x^7-9*x^4+4*x^3+4*x^2)/(-1+x)/(x+1)/(x^2+1)/(2*x^4+2*x^3+x^2-2*x-1)$  lgdogf  
A134405 9.00465 [  $-(2*x^4+2*x^3+x^2-2*x-1)/(x-1)/(x^2+1)/(x+1)^2$  ogf]  
A134410 10.4814 [  $-(x-2)*(2*x^2-3*x+3)/(x^2+x-1)^2$  ogf]  
A134410 11.1481  $-(-3-29*x+33*x^2-16*x^3+2*x^4)/(x-2)/(2*x^2-3*x+3)/(x^2+x-1)$  lgdogf  
A134414 12.1420 [  $-(5*x^2+3*x+2)/(x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A134415 13.9418 [  $-(-5*x^3-8*x^2-3*x-8)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A134418 4.28113 [  $-(3*x+1)/(4*x^2+2*x-1)$  ogf]  
A134425 23.0166  $x*(1+2*x)/(1+3*x)/(4*x+1)$  revogf  
A134425 7.01725  $-1/2*(-5*x+1+12*(x^2-6*x+1)^(1/2))*x-(x^2-6*x+1)^(1/2)/(x^2-6*x+1)^(1/2)/(6*x-1)/x$  lgdogf  
A134429 11.8496 [  $-(x-1)*(3*x^2+4*x+3)/(x^2+1)/(x+1)^2$  ogf]  
A134429 15.6720  $-(-5-9*x+3*x^5-22*x^2-6*x^3-x^4)/(x-1)/(x+1)/(x^2+1)/(3*x^2+4*x+3)$  lgdogf  
A134429 4.65519 [  $\{(2*n+7)*a(n+1)+(2*n+5)*a(n+2)+(2*n+7)*a(n+3)+(2*n+5)*a(n+4), a(0) = 3, a(1) = -5, a(2) = 3, a(3) = -5\}$ , ogf]  
A134430 10.6543 [  $-(x^2-3*x+1)/(x-1)/(x^2+1)$  ogf]  
A134430 5.70403  $-(-2+x^4-6*x^3+5*x^2)/(-1+x)/(1+x^2)/(x^2-3*x+1)$  lgdogf  
A134430 5.80281 [  $\{-a(n+3)+a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = -2, a(2) = -2\}$ , ogf]  
A134432 13.6868  $(9-x+x^3-3*x^2)/(-1+x)/(x-2)/(x+1)$  lgdegf  
A134432 4.15659 [  $\{(-n^2-7*n-12)*a(n+1)+(n^2+8*n+16)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 9\}$ , ogf]  
A134437 21.8842  $-(2*x+7)/(2+x)/(-1+x)$  lgdegf  
A134437 8.21474 [  $-1/2*x*(x+2)/(x-1)^3$  egf]  
A134438 10.4832 [  $-(x-1)*(x^2+x+1)/(x^6-x^4-6*x^3-2*x^2-x+1)$  ogf]  
A134438 8.84312  $-(1+4*x+2*x^4+6*x^3+3*x^8-x^6-6*x^5+15*x^2)/(x-1)/(x^2+x+1)/(x^6-x^4-6*x^3-2*x^2-x+1)$  lgdogf  
A134449 5.58678 [  $x*(x^5-6*x^4+2*x^3-16*x^2-3*x-2)/(x+1)^4/(x-1)^5$  ogf]  
A134449 8.63533  $-(-5-53*x-29*x^5+11*x^4-134*x^3+4*x^6-34*x^2)/(x-1)/(x+1)/(x^5-6*x^4+2*x^3-16*x^2-3*x-2)$  lgdogf  
A134450 5.43330 [  $25*(1729*x^4+44938*x^3+114048*x^2+44918*x+1727)/(x-1)^6$  ogf]  
A134451 11.8872 [  $\{a(n+3)-a(n+1), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A134451 21.9253 [  $-x*(2*x+1)/(x-1)/(x+1)$  ogf]  
A134451 28.6082  $1/2/(2+x)*(-1+(1+8*x+4*x^2)^(1/2))$  revogf  
A134451 30.3962  $-2*(1+x+x^2)/(x-1)/(1+2*x)/(x+1)$  lgdogf  
A134456 10.1041 [  $-(83*x^6+70*x^5+84*x^4+87*x^3+84*x^2+77*x+83)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A134461 14.6439 [  $-(8*x^3-4*x^2+12*x-4)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A134465 10.6171 [  $-(2*x^2-2*x-1)/(x-1)^4$  ogf]  
A134465 18.8851  $-2*(x+1)*(-3+2*x)/(-1+x)/(2*x^2-2*x-1)$  lgdogf  
A134479 13.3682 [  $(x^3-3*x^2-1)/(x-1)^3$  ogf]  
A134479 6.53334 [  $\{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 18\}$ , ogf]  
A134481 17.6283  $-5*(1+3*x)/(-1+x)/(x^4-4*x^3+6*x^2+x+1)$  lgdogf

A134481 4.68037 [ $\{(-3n^2-9n)a(n)+(2n^2-6n-8)a(n+1)+(n^2+3n+2)a(n+2), a(0) = 1, a(1) = 5\}$ , ogf]  
A134481 8.25947 [ $(x^4-4x^3+6x^2+x+1)/(x-1)^4$  ogf]  
A134489 12.0642 [ $-(2x+1)/(x^2+11x-1)$  ogf]  
A134489 12.3498  $1/2/(2+x)*(-1-11x+(5x+1)*(1+25x))^{(1/2)}$  revogf  
A134489 15.0942  $-(13+2x+2x^2)/(2x+1)/(x^2+11x-1)$  lgdogf  
A134489 6.60656 [ $\{a(n+2)-11a(n+1)-a(n), a(0) = 1, a(1) = 13\}$ , ogf]  
A134490 12.1270 [ $(x-2)/(x^2+11x-1)$  ogf]  
A134490 13.0067  $1/2/(x-1)*(-2-11x+(4+40x+125x^2))^{(1/2)}$  revogf  
A134490 17.6219  $-(x+3)*(x-7)/(x-2)/(x^2+11x-1)$  lgdogf  
A134490 6.64096 [ $\{-a(n+2)+11a(n+1)+a(n), a(0) = 2, a(1) = 21\}$ , ogf]  
A134491 10.9633 [ $-(x+3)/(x^2+11x-1)$  ogf]  
A134491 11.2041  $1/2/(1+x)*(-3-11x+(25x+9)*(5x+1))^{(1/2)}$  revogf  
A134491 15.4056  $-(34+6x+x^2)/(x+3)/(x^2+11x-1)$  lgdogf  
A134491 6.00370 [ $\{a(n+2)-11a(n+1)-a(n), a(0) = 3, a(1) = 34\}$ , ogf]  
A134492 10.9281  $-(-4-9x+2*(1+2x))^{(1/2)}*(2+5x)^{(1/2)}*2^{(1/2)}/x$  revogf  
A134492 18.4415 [ $8x/(x^2-18x+1)$  ogf]  
A134492 25.4989  $-2*(x-9)/(1-18x+x^2)$  lgdogf  
A134492 8.54606 [ $\{a(n+2)-18a(n+1)+a(n), a(0) = 0, a(1) = 8\}$ , ogf]  
A134493 12.7165  $-1/2*(-18x-1+(320x^2+16x+1))^{(1/2)}/(5+x)$  revogf  
A134493 15.1892  $-(13-2x+5x^2)/(5x-1)/(x^2-18x+1)$  lgdogf  
A134493 15.6183 [ $-(5x-1)/(x^2-18x+1)$  ogf]  
A134493 8.55289 [ $\{a(n+2)-18a(n+1)+a(n), a(0) = 1, a(1) = 13\}$ , ogf]  
A134494 10.5479  $-1/2*(-18x-1+((1+8x)*(40x+1))^{(1/2)})/(-3+x)$  revogf  
A134494 13.8630  $-(x+3)*(3x-7)/(3x+1)/(x^2-18x+1)$  lgdogf  
A134494 14.0748 [ $(3x+1)/(x^2-18x+1)$  ogf]  
A134494 7.70765 [ $\{-a(n+2)+18a(n+1)-a(n), a(0) = 1, a(1) = 21\}$ , ogf]  
A134495 11.0301 [ $-2*(x-1)/(x^2-18x+1)$  ogf]  
A134495 13.4133  $-(-1-9x+(1+16x+80x^2))^{(1/2)}/(2+x)$  revogf  
A134495 15.5092  $-(17-2x+x^2)/(x-1)/(x^2-18x+1)$  lgdogf  
A134495 6.04029 [ $\{a(n+2)-18a(n+1)+a(n), a(0) = 2, a(1) = 34\}$ , ogf]  
A134496 13.4801 [ $-(9x^2+90x-100)/(x-1)^2$  ogf]  
A134496 20.5389  $-2*(-55+54x)/(x-1)/(9x^2+90x-100)$  lgdogf  
A134496 6.98967 [ $\{-a(n+3)+2a(n+2)-a(n+1), a(0) = 100, a(1) = 110, a(2) = 111\}$ , ogf]  
A134497 11.2752  $-1/2*(-5-18x+(25+176x+320x^2))^{(1/2)}/(1+x)$  revogf  
A134497 14.6403 [ $-(x-5)/(x^2-18x+1)$  ogf]  
A134497 15.3753  $-(89-10x+x^2)/(x-5)/(x^2-18x+1)$  lgdogf  
A134497 8.01733 [ $\{a(n+2)-18a(n+1)+a(n), a(0) = 5, a(1) = 89\}$ , ogf]  
A134498 11.2059  $1/2*(-13-29x+(13+58x+65x^2))^{(1/2)}*13^{(1/2)}/x$  revogf  
A134498 14.0051 [ $-13x/(x^2+29x-1)$  ogf]  
A134498 24.4492  $-(29+2x)/(x^2-1+29x)$  lgdogf  
A134498 6.58072 [ $\{-a(n+2)+29a(n+1)+a(n), a(0) = 0, a(1) = 13\}$ , ogf]  
A134499 12.1150 [ $(8x-1)/(x^2+29x-1)$  ogf]  
A134499 12.7023  $1/2/(-8+x)*(-1-29x+(1+26x+845x^2))^{(1/2)}$  revogf  
A134499 14.3737  $-(2x+3)*(4x-7)/(-1+8x)/(x^2+29x-1)$  lgdogf  
A134499 6.63442 [ $\{-a(n+2)+29a(n+1)+a(n), a(0) = 1, a(1) = 21\}$ , ogf]  
A134500 12.2958 [ $-(5x+1)/(x^2+29x-1)$  ogf]  
A134500 12.3226  $1/2/(5+x)*(-1-29x+(1+13x)*(65x+1))^{(1/2)}$  revogf  
A134500 15.4033  $-(34+2x+5x^2)/(5x+1)/(x^2+29x-1)$  lgdogf  
A134500 6.73343 [ $\{a(n+2)-29a(n+1)-a(n), a(0) = 1, a(1) = 34\}$ , ogf]  
A134501 12.4767 [ $(3x-2)/(x^2+29x-1)$  ogf]  
A134501 12.7917  $1/2/(-3+x)*(-2-29x+(4+104x+845x^2))^{(1/2)}$  revogf  
A134501 15.6343  $-(3x+11)*(x-5)/(3x-2)/(x^2+29x-1)$  lgdogf  
A134501 6.83245 [ $\{-a(n+2)+29a(n+1)+a(n), a(0) = 2, a(1) = 55\}$ , ogf]  
A134502 12.6575 [ $-(2x+3)/(x^2+29x-1)$  ogf]  
A134502 12.6923  $1/2/(2+x)*(-3-29x+(65x+9)*(1+13x))^{(1/2)}$  revogf  
A134502 15.8654  $-(89+6x+2x^2)/(2x+3)/(x^2+29x-1)$  lgdogf  
A134502 6.93148 [ $\{a(n+2)-29a(n+1)-a(n), a(0) = 3, a(1) = 89\}$ , ogf]  
A134503 11.1854 [ $(x-5)/(x^2+29x-1)$  ogf]  
A134503 11.4477  $1/2/(x-1)*(-5-29x+(25+286x+845x^2))^{(1/2)}$  revogf

A134503 15.7405  $-(x+8)*(x-18)/(x-5)/(x^2+29*x-1)$  lgdogf  
A134503 6.05329  $[{-a(n+2)+29*a(n+1)+a(n), a(0) = 5, a(1) = 144}, ogf]$   
A134504 11.0677  $1/2/(1+x)*(-8-29*x+(13*x+4)*(65*x+16))^(1/2)$  revogf  
A134504 11.3032  $[ -(x+8)/(x^2+29*x-1) ogf]$   
A134504 14.9739  $-(233+16*x+x^2)/(x+8)/(x^2+29*x-1)$  lgdogf  
A134504 6.11701  $[{a(n+2)-29*a(n+1)-a(n), a(0) = 8, a(1) = 233}, ogf]$   
A134507 11.9575  $-(19+38*x+60*x^2+38*x^3+25*x^4)/(x-1)/(x^2+x+1)/(5*x^2+3*x+4)$   
lgdogf  
A134507 7.63133  $[ -x*(5*x^2+3*x+4)/(x^2+x+1)/(x-1)^5 ogf]$   
A134508 8.06644  $[ -(2*x^4-x^3-x^2+2*x-1)/(x-1)^2/(x^2+x-1)^2 ogf]$   
A134512 10.7652  $[ -(x-1)^2*(x+1)^2/(x^2-x-1)/(x^2+x-1)^2 ogf]$   
A134519 18.4245  $-(2+4*x+x^5-x^4)/(x-1)/(x+1)/(x^4-x^3-x^2+x+1)$  lgdogf  
A134519 9.28931  $[ -(x^4-x^3-x^2+x+1)/(x+1)^2/(x-1)^3 ogf]$   
A134527 9.87736  $x*(x^2+1)*(1-x^2+x^4)*(x^8-x^2-1)/(-1-x-x^5-x^2-2*x^3-2*x^9-x^6-2*x^7-x^{13}+x^{14})$  revogf  
A134538 13.1049  $[ (x^2-7*x-4)/(x-1)^3 ogf]$   
A134538 23.7628  $-(-19-12*x+x^2)/(x-1)/(x^2-7*x-4)$  lgdogf  
A134538 7.01227  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 4, a(1) = 19, a(2) = 44}, ogf]$   
A134547 11.1991  $-2*(32-19*x+2*x^2)/(-1+x)/(4*x^2-23*x+29)$  lgdogf  
A134547 4.07558  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 29, a(1) = 64, a(2) = 109}, ogf]$   
A134547 7.50424  $[ -(4*x^2-23*x+29)/(x-1)^3 ogf]$   
A134565 40.2540  $x*(-1+2*x)/(x-1)^3$  revogf  
A134581 4.40481  $[{-a(n+4)+4*a(n+3)-7*a(n+2)+6*a(n+1)-3*a(n), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3}, ogf]$   
A134581 8.50792  $[ x*(2*x^2-2*x+1)/(x^2-x+1)/(3*x^2-3*x+1) ogf]$   
A134581 9.27128  $-2*(2*x-1)*(3*x^4-6*x^3+6*x^2-3*x+1)/(x^2-x+1)/(3*x^2-3*x+1)/(2*x^2-2*x+1)$  lgdogf  
A134582 13.9283  $[ 4*x*(x-3)/(x-1)^3 ogf]$   
A134582 37.9218  $-2*(-4+x)/(x-1)/(x-3)$  lgdogf  
A134582 7.14905  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 12, a(2) = 32}, ogf]$   
A134593 12.8935  $[ (4*x^2-13*x-1)/(x-1)^3 ogf]$   
A134593 20.6361  $-2*(-8-9*x+2*x^2)/(x-1)/(4*x^2-13*x-1)$  lgdogf  
A134593 7.01227  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 16, a(2) = 41}, ogf]$   
A134594 13.2636  $[ (x+1)*(4*x-5)/(x-1)^3 ogf]$   
A134594 21.4485  $-2*(-8+3*x+2*x^2)/(4*x-5)/(x-1)/(x+1)$  lgdogf  
A134594 7.09720  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 16, a(2) = 29}, ogf]$   
A134630 18.7527  $-3*(93+165*x+x^3+41*x^2)/(x-1)/(x^3+30*x^2+87*x+32)$  lgdogf  
A134630 4.91582  $[{(68*n^2+278*n+284)*a(n+1)+(-661*n^2-4680*n-10323)*a(n+2)+(593*n^2+1777*n+1184)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 128}, ogf]$   
A134630 8.75909  $[ 4*x^2*(x^3+30*x^2+87*x+32)/(x-1)^6 ogf]$   
A134631 17.7109  $-12*(3+27*x+8*x^3+37*x^2)/(x-1)/(32*x^3+87*x^2+30*x+1)$  lgdogf  
A134631 4.95926  $[{(-593*n^2-2967*n-3564)*a(n+1)+(661*n^2+608*n+2179)*a(n+2)+(-68*n^2-266*n-260)*a(n+3), a(0) = 0, a(1) = 4, a(2) = 144}, ogf]$   
A134631 9.12316  $[ 4*x*(32*x^3+87*x^2+30*x+1)/(x-1)^6 ogf]$   
A134632 13.4703  $-2*(44+331*x+5*x^4+109*x^3+411*x^2)/(x-1)/(5*x^4+66*x^3+156*x^2+70*x+3)$  lgdogf  
A134632 8.40917  $[ 2*x*(5*x^4+66*x^3+156*x^2+70*x+3)/(x-1)^6 ogf]$   
A134633 14.1168  $-6*(16+107*x+x^4+37*x^3+139*x^2)/(x-1)/(3*x^4+70*x^3+156*x^2+66*x+5)$  lgdogf  
A134633 8.44010  $[ 2*x*(3*x^4+70*x^3+156*x^2+66*x+5)/(x-1)^6 ogf]$   
A134635 5.95798  $[{(8*n^2+28*n+24)*a(n+1)+(-6*n^2-24*n-20)*a(n+2)+(n^2+5*n+4)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 6}, ogf]$   
A134638 5.00510  $[{(-2*n-10)*a(n+1)+(3*n+11)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 8, a(2) = 28}, ogf]$   
A134638 9.94519  $[ (x^3-3*x^2+3*x+1)/(2*x-1)/(x-1)^3 ogf]$   
A134654 12.6825  $[ -x^2*(x+2)/(2*x-1)/(2*x^2+2*x+1) ogf]$

A134654 14.6092  $-(1+8*x+8*x^3+26*x^2)/(2*x-1)/(x+2)/(2*x^2+2*x+1)$  lgdogf  
A134654 6.45450  $[{-a(n+4)+2*a(n+2)+4*a(n+1), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 1}]$ , ogf]  
A134667 12.5569  $[x*(x^2+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A134667 22.9017  $[[x^5-x^3]$  ogf\_with\_Euler\_transform]  
A134667 25.0427  $-2*x^3*(2+x^2)/(x^2+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A134667 6.46132  $[{a(n+4)+a(n+2)+a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 0}]$ , ogf]  
A134668 16.9487  $-(-1-2*x^5+x^6-2*x^2-4*x^3+2*x^4)/(x-1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A134668 17.5069  $[[x^5-x^3-1]$  ogf\_with\_Euler\_transform]  
A134668 8.91449  $[-(x-1)*(x^2+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A134683 14.9850  $[(x^2-2*x-1)/(2*x-1)/(2*x+1)$  ogf]  
A134683 16.7507  $2*(1+3*x+4*x^2)/(2*x+1)/(2*x-1)/(x^2-2*x-1)$  lgdogf  
A134683 8.74127  $[{a(n+3)-4*a(n+1), a(0) = 1, a(1) = 2, a(2) = 3}]$ , ogf]  
A134693 12.3592  $[{a(n+2)-2*a(n), a(0) = 3, a(1) = 9}]$ , ogf]  
A134693 19.2924  $[-3*(3*x+1)/(2*x^2-1)$  ogf]  
A134693 20.9767  $1/2/(9+2*x)*(-3+(9+36*x+8*x^2)^(1/2))$  revogf  
A134693 24.2543  $-(3+4*x+6*x^2)/(3*x+1)/(2*x^2-1)$  lgdogf  
A134704 6.88750  $-(3+96*x^7+40*x^8+20*x+2*x^5-65*x^4-76*x^3+88*x^6+9*x^2)/(x^2+x-1)/(4*x^3+x^2-x-1)/(10*x^4+12*x^3-x^2-3*x-3)$  lgdogf  
A134704 8.33289  $[-(10*x^4+12*x^3-x^2-3*x-3)/(x^2+x-1)/(4*x^3+x^2-x-1)$  ogf]  
A134719 6.04862  $[(x+1)*(x^{10}-2*x^9+3*x^8-4*x^7+4*x^6-2*x^5+6*x^4-x^2-1)/(x^{12}+x^8+7*x^4-1)$  ogf]  
A134720 9.00701  $[-2*x^3*(x^4-x^3+2*x^2+x+1)/(x^9+x^6+7*x^3-1)$  ogf]  
A134752 14.2775  $[-(21*x-5)/(9*x-1)/(x-1)$  ogf]  
A134752 14.6458  $-1/6*(-5-10*x+(25+16*x+64*x^2)^(1/2))/(3*x+7)$  revogf  
A134752 16.0746  $-(29-90*x+189*x^2)/(21*x-5)/(x-1)/(9*x-1)$  lgdogf  
A134752 7.98862  $[{a(n+2)-10*a(n+1)+9*a(n), a(0) = 5, a(1) = 29}]$ , ogf]  
A134757 19.5078  $-(-3-4*x+3*x^2)/(-1+x)/(-1+3*x)/(x+1)$  lgdogf  
A134757 3.69333  $[{(n+4)*a(n+4)+(-12-3*n)*a(n+3)+(-6-n)*a(n+2)+(6+3*n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 11, a(3) = 37}]$ , ogf]  
A134804 10.4030  $[-x*(x^6+3*x^5+6*x^4+x^3+6*x^2+3*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A134808 6.57486  $[-x*(9*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-101)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A134812 14.3540  $[x*(x^2+x-1)/(2*x-1)/(2*x^2+2*x+1)$  ogf]  
A134812 14.7784  $-(-1-2*x-10*x^2+8*x^3+4*x^4)/(2*x-1)/(2*x^2+2*x+1)/(x^2+x-1)$  lgdogf  
A134812 7.74859  $[{-a(n+4)+2*a(n+2)+4*a(n+1), a(0) = 0, a(1) = 1, a(2) = -1, a(3) = 1}]$ , ogf]  
A134813 13.1438  $[-(x^2+x-1)/(2*x^2+2*x+1)$  ogf]  
A134813 5.62834  $3*(2*x+1)/(1+2*x^2+2*x)/(x^2+x-1)$  lgdogf  
A134813 6.82960  $[{a(n+3)+2*a(n+2)+2*a(n+1), a(0) = 1, a(1) = -3, a(2) = 3}]$ , ogf]  
A134815 5.16905  $[-(3*x^7+2*x^6+x^5+15*x^4+3*x^3-x^2+15*x-4)/(x^4+x-1)/(x^4+5*x-1)$  ogf]  
A134816 16.4329  $[-(x+1)/(x^3+x^2-1)$  ogf]  
A134816 20.7822  $-(1+2*x+2*x^3+4*x^2)/(x+1)/(x^3+x^2-1)$  lgdogf  
A134816 8.56606  $[{a(n+3)-a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 1}]$ , ogf]  
A134823 5.28976  $[-(x^5+11*x^4+x^3+x^2+21*x-4)/(x^2+x-1)/(3*x^4+7*x-1)$  ogf]  
A134824 18.6375  $[x*(2*x-1)/(x-1)$  ogf]  
A134824 36.1144  $1/4+1/4*x-1/4*(1-6*x+x^2)^(1/2)$  revogf  
A134824 69.9717  $-1/(2*x-1)/(x-1)$  lgdogf  
A134824 9.20646  $[{a(n+3)-a(n+2), a(0) = 0, a(1) = 1, a(2) = -1}]$ , ogf]  
A134833 4.36977  $[{(-4*n-8)*a(n+1)+(-4*n-6)*a(n+2)+(-n+1)*a(n+3)+a(n+4), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = 0}]$ , ogf]  
A134845 3.53140  $[-(5560*x^6-5396*x^4+110*x^3-96*x^2-101*x-32)/(x-1)/(x+1)/(10*x^2-1)$  ogf]  
A134869 11.9684  $[-(x^3-2*x^2+x+1)/(x-1)^3$  ogf]  
A134869 23.8217  $-(4-2*x+x^2)/(x-1)/(x^3-2*x^2+x+1)$  lgdogf  
A134869 6.20917  $[{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 4, a(2) = 7,$



$a(3) = 11$ }, ogf]  
A134874 10.9470 [  $-1/(133*x^4+137*x-1)$  ogf]  
A134874 11.9727  $-(137+532*x^3)/(-1+137*x+133*x^4)$  lgdogf  
A134884 4.15699 [  $-(8844*x^4+8509*x^3-137*x^2-209*x+3)/(67*x^2+67*x+1)/(134*x^3+137*x-1)$  ogf]  
A134914 5.13124 [  $-(x^{38}+x^{37}-x^{27}-x^{26}-x^{19}-x^{18}-x^8-x-1)/(x-1)/(x^{37}-x^{18}-1)$  ogf]  
A134920 9.30940  $-(x-1+(5*x^2-2*x+1)^{1/2})*x+(5*x^2-2*x+1)^{1/2})/(5*x^2-2*x+1)^{1/2}/x/(x-1)$  lgdogf  
A134927 14.6638 [  $(2*x-1)/(3*x^2+3*x-1)$  ogf]  
A134927 15.4046  $1/2/(-2+3*x)*(-1-3*x+(21*x^2+1-2*x)^{1/2})$  revogf  
A134927 17.0262  $-(-1-6*x+6*x^2)/(-1+2*x)/(3*x^2+3*x-1)$  lgdogf  
A134927 8.04720 [  $\{-a(n+2)+3*a(n+1)+3*a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A134931 14.9873 [  $(2*x+1)/(3*x-1)/(x-1)$  ogf]  
A134931 15.3813  $-1/2*(-1-4*x+(1+16*x+4*x^2)^{1/2})/(-2+3*x)$  revogf  
A134931 18.8970  $-6*(-1+x+x^2)/(x-1)/(3*x-1)/(2*x+1)$  lgdogf  
A134931 8.22472 [  $\{-a(n+2)+4*a(n+1)-3*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A134934 12.0737 [  $-(169*x^2+222*x+1)/(x-1)^3$  ogf]  
A134934 17.5104  $-(225+782*x+169*x^2)/(x-1)/(169*x^2+222*x+1)$  lgdogf  
A134934 6.76544 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 225, a(2) = 841\}$ , ogf]  
A134939 7.75736  $-2*(16-387*x+91125*x^5+2880*x^2-4050*x^3-32400*x^4)/(15*x-1)/(3*x-1)/(9*x-1)/(5*x-1)/(45*x^2-1)$  lgdogf  
A134939 9.94583 [  $-2*x*(45*x^2-1)/(15*x-1)/(3*x-1)/(9*x-1)/(5*x-1)$  ogf]  
A134940 6.28678  $-2*(-212+5679*x+273375*x^5-55080*x^2+241650*x^3-461700*x^4)/(15*x-1)/(3*x-1)/(9*x-1)/(5*x-1)/(135*x^2-120*x+17)$  lgdogf  
A134940 8.12260 [  $x*(135*x^2-120*x+17)/(15*x-1)/(3*x-1)/(9*x-1)/(5*x-1)$  ogf]  
A134960 14.1192  $12585*x/(37755+(1425440025+12585*x)^{1/2})^2$  revogf  
A134960 15.0214 [  $453060*x/(x-1)^2$  ogf]  
A134960 47.9152 [[2] ogf\_with\_Euler\_transform]  
A134960 7.33605 [  $\{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 453060\}$ , ogf]  
A134960 77.6555  $-2/(x-1)$  lgdogf  
A134965 13.4056 [  $(4*x^2+9*x+3)/(x+1)/(x-1)^2$  ogf]  
A134965 7.17317 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 12, a(2) = 19\}$ , ogf]  
A134967 13.5980 [  $-(x^3+x^2+x-1)/(x-1)/(x^2+1)/(x+1)^2$  ogf]  
A134967 16.5196  $-2*(1+x^5+x^6+2*x^2-3*x^3+2*x^4)/(x-1)/(x+1)/(x^2+1)/(x^3+x^2+x-1)$  lgdogf  
A134977 12.4279  $-(4-4*x+2*x^6-4*x^5+11*x^4-6*x^3+5*x^2)/(x-1)/(x+1)/(x^2-x+1)/(2*x^3-2*x^2+3*x+1)$  lgdogf  
A134977 13.6392 [  $-(2*x^3-2*x^2+3*x+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A134987 13.3911 [  $-x^4/(2*x-1)/(x^4+2*x^2-2*x+1)$  ogf]  
A134990 15.6288 [  $-(17*x^2+23*x+8)/(x-1)/(x+1)^2$  ogf]  
A134990 21.1971  $-(15+35*x+29*x^2+17*x^3)/(x-1)/(x+1)/(17*x^2+23*x+8)$  lgdogf  
A134990 8.63698 [  $\{a(n+3)+a(n+2)-a(n+1)-a(n), a(0) = 8, a(1) = 15, a(2) = 10\}$ , ogf]  
A134999 5.39203 [  $-(98*x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-100)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A135019 11.2180 [  $-x*(2*x-1)/(x^3-2*x^2+x+1)$  ogf]  
A135019 14.7139  $-(-3+4*x+4*x^3-7*x^2)/(-1+2*x)/(x^3-2*x^2+x+1)$  lgdogf  
A135019 5.76059 [  $\{-a(n+3)-a(n+2)+2*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = -3\}$ , ogf]  
A135030 15.2226 [  $-x/(2*x^2+6*x-1)$  ogf]  
A135030 15.3917  $1/4/x*(-1-6*x+(1+12*x+44*x^2)^{1/2})$  revogf  
A135030 23.0876  $-2*(3+2*x)/(2*x^2-1+6*x)$  lgdogf  
A135030 6.95353 [  $\{-a(n+2)+6*a(n+1)+2*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A135032 15.5517 [  $-x/(4*x^2+6*x-1)$  ogf]  
A135032 15.7300  $1/8/x*(-1-6*x+(1+12*x+52*x^2)^{1/2})$  revogf  
A135032 23.5950  $-2*(4*x+3)/(4*x^2-1+6*x)$  lgdogf  
A135032 7.10388 [  $\{-a(n+2)+6*a(n+1)+4*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A135033 11.7190  $-(2+6*x+9*x^6+5*x^4+8*x^5+12*x^2+8*x^7)/(x-1)/(4*x^3+3*x^2+2*x$

+1)/(x^4+x^3+x^2+x+1) lgdogf  
A135033 15.6765 [ -2\*(4\*x^3+3\*x^2+2\*x+1)/(x-1)/(x^4+x^3+x^2+x+1) ogf]  
A135035 7.23776 [ -(x-1)\*(2\*x^3-2\*x+1)/(2\*x^2-2\*x+1)/(2\*x-1)^2 ogf]  
A135035 7.80020 [ -(3+18\*x+8\*x^5+64\*x^3-40\*x^4-48\*x^2)/(x-1)/(2\*x-1)/(2\*x^2-2\*x+1)/(2\*x^3-2\*x+1) lgdogf  
A135036 11.8044 [ 2\*x\*(x+3)/(x-1)^4 ogf]  
A135036 36.0105 [ -(13+3\*x)/(x+3)/(x-1) lgdogf  
A135036 5.08137 [ {(6+3\*n)\*a(n+3)+(-15-2\*n)\*a(n+2)+(-3-n)\*a(n+1), a(0) = 0, a(1) = 6, a(2) = 26}, ogf]  
A135037 18.6121 [ -3\*(22+22\*x+x^2)/(x-1)/(x^2+16\*x+10) lgdogf  
A135037 8.00282 [ -6\*x\*(x^2+16\*x+10)/(x-1)^5 ogf]  
A135038 12.0410 [ -(365+905\*x+263\*x^2+3\*x^3)/(x-1)/(x^3+65\*x^2+155\*x+35) lgdogf  
A135038 3.34959 [ {(2\*n^2+17\*n+33)\*a(n+1)+(476\*n^2+4426\*n+10301)\*a(n+2)+(-478\*n^2-2043\*n-2174)\*a(n+3), a(0) = 0, a(1) = 840, a(2) = 8760}, ogf]  
A135038 6.05385 [ 24\*x\*(x^3+65\*x^2+155\*x+35)/(x-1)^6 ogf]  
A135042 12.9628 [ (2\*x^3+2\*x^2+1)/(x-1)^2 ogf]  
A135042 17.2161 [ 2\*(-1-2\*x+x^3-3\*x^2)/(x-1)/(2\*x^3+2\*x^2+1) lgdogf  
A135042 6.42506 [ {a(n+4)-2\*a(n+3)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 10}, ogf]  
A135043 10.0502 [ -2\*(4+5\*x+x^4+11\*x^3+6\*x^2)/(-1+x)/(x^2+x+1)/(x^2+7\*x+1) lgdogf  
A135043 9.00343 [ x\*(x^2+7\*x+1)/(x^2+x+1)/(x-1)^2 ogf]  
A135050 9.76768 [ (60\*x^4-27\*x^3-27\*x^2-17\*x+2)/(10\*x-1)/(x-1) ogf]  
A135051 11.2471 [ -(7\*x^4+72\*x^3+98\*x^2+72\*x+7)/(x+1)^2/(x-1)^3 ogf]  
A135055 8.96398 [ -(-1+2\*x+8\*x^7+2\*x^5+4\*x^8+9\*x^6+4\*x^2+2\*x^3-20\*x^4)/(2\*x-1)/(x+1)/(2\*x^2+x+2)/(x^5+x^4+x^3+x^2+x-1) lgdogf  
A135055 9.63869 [ -(2\*x-1)\*(x+1)\*(2\*x^2+x+2)/(x^5+x^4+x^3+x^2+x-1) ogf]  
A135056 8.00406 [ -2\*(-1-x+2\*x^7+x^2-5\*x^3-5\*x^4-2\*x^5+x^6)/(x-1)/(1+2\*x+2\*x^2)/(x^5+x^4+x^3+x^2+x-1) lgdogf  
A135056 8.33119 [ x\*(x-1)\*(2\*x^2+2\*x+1)/(x^5+x^4+x^3+x^2+x-1) ogf]  
A135064 15.9151 [ -(3\*x^2-8\*x-1)/(x^2-3\*x+1) ogf]  
A135064 21.2793 [ -(11-8\*x+x^2)/(x^2-3\*x+1)/(3\*x^2-8\*x-1) lgdogf  
A135064 8.11056 [ {-a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 11, a(2) = 29}, ogf]  
A135092 11.1208 [ {a(n+2)-2\*a(n+1), a(0) = 1, a(1) = 7}, ogf]  
A135092 21.2626 [ -1/10-1/5\*x+1/10\*(1+24\*x+4\*x^2)^(1/2) revogf  
A135092 21.6406 [ -(5\*x+1)/(2\*x-1) ogf]  
A135092 43.7064 [ -7/(5\*x+1)/(2\*x-1) lgdogf  
A135094 12.4037 [ x\*(x+1)/(2\*x-1)/(2\*x^2-1) ogf]  
A135094 14.8216 [ -(3-4\*x+8\*x^3+10\*x^2)/(-1+2\*x)/(x+1)/(2\*x^2-1) lgdogf  
A135094 6.36947 [ {a(n+3)-2\*a(n+2)-2\*a(n+1)+4\*a(n), a(0) = 0, a(1) = 1, a(2) = 3}, ogf]  
A135098 12.5014 [ -2\*(2\*x^2-2\*x-1)\*(x^2+x-1)/(x-1)/(2\*x-1)/(x+1)/(2\*x^2-1) lgdogf  
A135098 12.5253 [ -(x-1)\*(x+1)/(2\*x-1)/(2\*x^2-1) ogf]  
A135098 6.37448 [ {a(n+3)-2\*a(n+2)-2\*a(n+1)+4\*a(n), a(0) = 1, a(1) = 2, a(2) = 5}, ogf]  
A135138 17.5823 [ -x^2/(2\*x+1)/(x^2+2\*x-1) ogf]  
A135138 22.4190 [ -2\*x\*(5+3\*x)/(2\*x+1)/(x^2+2\*x-1) lgdogf  
A135138 7.83559 [ {-a(n+3)+5\*a(n+1)+2\*a(n), a(0) = 0, a(1) = 0, a(2) = 1}, ogf]  
A135139 12.1974 [ -2\*(x+1)\*(x^3-5\*x^2-3\*x-1)/(2\*x+1)/(x^2+2\*x-1)/(x^2-2\*x-1) lgdogf  
A135139 12.6501 [ (x^2-2\*x-1)/(2\*x+1)/(x^2+2\*x-1) ogf]  
A135139 7.67079 [ {a(n+3)-5\*a(n+1)-2\*a(n), a(0) = 1, a(1) = 2, a(2) = 4}, ogf]  
A135153 14.3849 [ -(x+1)\*x^2/(x^4+2\*x^2-1) ogf]  
A135158 12.5130 [ -6\*x\*(-4+95\*x^3-100\*x^2+35\*x)/(3\*x-1)/(2\*x-1)/(5\*x-1)/(19\*x^2-10\*x+1) lgdogf  
A135158 13.1805 [ (19\*x^2-10\*x+1)/(3\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
A135158 7.56446 [ {-a(n+3)+10\*a(n+2)-31\*a(n+1)+30\*a(n), a(0) = -1, a(1) = 0, a(2) = 12}, ogf]  
A135159 11.8273 [ -2\*(2-20\*x+165\*x^4-180\*x^3+83\*x^2)/(3\*x-1)/(2\*x-1)/(5\*x-1)/(11\*x^2-6\*x+1) lgdogf  
A135159 13.4835 [ -(11\*x^2-6\*x+1)/(3\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
A135159 7.55542 [ {-a(n+3)+10\*a(n+2)-31\*a(n+1)+30\*a(n), a(0) = 1, a(1) = 4, a(2) = 12}, ogf]

= 20}], ogf]  
 A135160 12.8865  $-6*(1-10*x+5*x^4-40*x^3+34*x^2)/(3*x-1)/(2*x-1)/(5*x-1)/(x^2-4*x+1)$  lgdogf  
 A135160 13.6942 [  $-(x^2-4*x+1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
 A135160 7.55542 [  $\{a(n+3)-10*a(n+2)+31*a(n+1)-30*a(n), a(0) = 1, a(1) = 6, a(2) = 30\}$ , ogf]  
 A135161 6.73049  $-(3-124*x-58800*x^5+39270*x^6+1672*x^2-10636*x^3+35223*x^4)/(5*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(187*x^3-140*x^2+31*x-2)$  lgdogf  
 A135161 8.84279 [  $(187*x^3-140*x^2+31*x-2)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
 A135162 8.41811  $-(19-248*x+9660*x^5+930*x^2+148*x^3-6941*x^4)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)/(23*x^2-2*x-1)$  lgdogf  
 A135162 9.67743 [  $-x*(23*x^2-2*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
 A135163 7.82289  $-(-29+512*x+19740*x^5-3646*x^2+13388*x^3-25469*x^4)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)/(47*x^2-22*x+3)$  lgdogf  
 A135163 9.55941 [  $x*(47*x^2-22*x+3)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
 A135164 6.73449  $-(7-164*x-50400*x^5+34230*x^6+1680*x^2-9476*x^3+30187*x^4)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)/(163*x^3-120*x^2+27*x-2)$  lgdogf  
 A135164 8.84279 [  $-(163*x^3-120*x^2+27*x-2)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
 A135165 7.66798  $-(-61+1208*x+43260*x^5-9294*x^2+34532*x^3-61981*x^4)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)/(103*x^2-58*x+7)$  lgdogf  
 A135165 9.44424 [  $x*(103*x^2-58*x+7)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
 A135166 6.76175  $-(-11-236*x-35280*x^5+22470*x^6+2056*x^2-9404*x^3+24431*x^4)/(7*x-1)/(3*x-1)/(5*x-1)/(2*x-1)/(107*x^3-84*x^2+23*x-2)$  lgdogf  
 A135166 8.97890 [  $-(107*x^3-84*x^2+23*x-2)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
 A135167 6.82107  $-(-13-284*x-25200*x^5+7770*x^6+2472*x^2-10796*x^3+24313*x^4)/(7*x-1)/(3*x-1)/(5*x-1)/(2*x-1)/(37*x^3-60*x^2+21*x-2)$  lgdogf  
 A135167 9.08210 [  $-(37*x^3-60*x^2+21*x-2)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
 A135168 6.02357  $-(-17-404*x+51870*x^6-84840*x^5+57077*x^4-20156*x^3+3940*x^2)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)/(247*x^3-202*x^2+51*x-4)$  lgdogf  
 A135168 8.05754 [  $-(247*x^3-202*x^2+51*x-4)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
 A135169 12.7789 [  $-(5*x^2+4*x+1)/(x-1)/(x^2+1)$  ogf]  
 A135169 18.6418  $-(5+8*x+5*x^4+8*x^3-6*x^2)/(x-1)/(x^2+1)/(5*x^2+4*x+1)$  lgdogf  
 A135169 6.95992 [  $\{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 9\}$ , ogf]  
 A135203 10.5039 [  $-(2*x^49-2*x^48+x^24-x^23+2*x^8-2*x^7+2*x+1)/(x-1)$  ogf]  
 A135211 10.1522 [  $-(-x^10-x^7-x^6-x^4-x^3-1)/(x^12-1)$  ogf\_with\_Euler\_transform]  
 A135218 17.4563  $-(x+1+10*x^2)/(2*x+1)/(-1+x)$  lgdegf  
 A135246 19.6203 [  $-(x+1)^3/(x^4+2*x^2-1)$  ogf]  
 A135247 19.1629 [  $x^2/(3*x-1)/(2*x^2-1)$  ogf]  
 A135247 7.14252 [  $\{a(n+3)-3*a(n+2)-2*a(n+1)+6*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
 A135248 18.8502 [  $-x^3/(2*x^4-4*x^2+4*x-1)$  ogf]  
 A135248 6.38727 [  $\{a(n+4)-4*a(n+3)+4*a(n+2)-2*a(n), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
 A135254 10.7490 [  $x^2*(2*x-1)/(3*x-1)/(3*x^2-3*x+1)$  ogf]  
 A135254 11.9959  $-(-2+3*x)*(12*x^2-9*x+2)/(3*x-1)/(-1+2*x)/(3*x^2-3*x+1)$  lgdogf  
 A135254 5.08733 [  $\{a(n+4)-6*a(n+3)+12*a(n+2)-9*a(n+1), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 4\}$ , ogf]  
 A135258 12.4969 [  $-x*(x+1)/(2*x+1)/(x-1)/(x^2+x+1)$  ogf]  
 A135258 13.0719  $-(2*x^2+2*x-1)*(3*x^2+2*x+1)/(x-1)/(2*x+1)/(x+1)/(x^2+x+1)$  lgdogf  
 A135259 10.3147  $-(-2+6*x+12*x^5-27*x^4+16*x^3-9*x^2)/(x-1)/(3*x-1)/(2*x-1)/(x+1)/(x^2-x+1)$  lgdogf  
 A135259 11.8532 [  $x*(3*x-1)*(x-1)/(2*x-1)/(x+1)/(x^2-x+1)$  ogf]  
 A135261 10.8809  $-(-3+11*x+6*x^5-22*x^4+15*x^3-15*x^2)/(x-1)/(3*x-1)/(2*x-1)/(x+1)/(x^2-x+1)$  lgdogf  
 A135261 11.8794 [  $-(3*x-1)*(x-1)^2/(2*x-1)/(x+1)/(x^2-x+1)$  ogf]  
 A135262 11.7827  $-2*(2+7*x+15*x^2+40*x^3+35*x^4)/(10*x^3-1)/(7*x^2+4*x+1)$  lgdogf  
 A135262 13.4688 [  $-(7*x^2+4*x+1)/(10*x^3-1)$  ogf]  
 A135262 8.74595 [  $\{a(n+3)-10*a(n), a(0) = 1, a(1) = 4, a(2) = 7\}$ , ogf]  
 A135263 10.2899 [  $-2*(2*x^2+x+1)/(3*x-1)/(x+1)/(x^2-x+1)$  ogf]  
 A135263 8.65924  $-(4+4*x-9*x^2+10*x^3+7*x^4+12*x^5)/(-1+3*x)/(x+1)/(x^2-x+1)/$

$(2x^2+x+1)$  lgdogf  
A135264 10.5537 [  $-3*(2x^2+x+1)/(3x-1)/(x+1)/(x^2-x+1)$  ogf]  
A135264 8.88592  $-(4+4x+7x^2+10x^3+12x^4-9x^5)/(x+1)/(x^2-x+1)/(2x^2+x+1)$  lgdogf  
A135265 17.3911 [  $-(2x^3+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A135265 20.2641  $-(1+2x^6+3x^2)/(x-1)/(x+1)/(2x^3+1)/(x^2-x+1)$  lgdogf  
A135265 7.99430 [  $\{-a(n+4)+a(n+3)-a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2\}$ , ogf]  
A135266 7.28281  $-(5+2x+14x^2-14x^3+5x^4-4x^5+18x^6)/(x-1)/(-1+3x)/(x+1)/(x^2-x+1)/(2x^2+x+1)$  lgdogf  
A135266 7.76312 [  $x*(2x^2+x+1)/(x-1)/(3x-1)/(x+1)/(x^2-x+1)$  ogf]  
A135271 8.02070  $7/(2+x)$  lgdogf  
A135272 11.3000  $8/(2+x)$  lgdogf  
A135273 13.4866  $9/(2+x)$  lgdogf  
A135276 11.4642 [  $x*(x^2-2x-1)/(x+1)^2/(x-1)^3$  ogf]  
A135276 20.8232  $-(x-3)*(3x^2+2x+1)/(x-1)/(x+1)/(x^2-2x-1)$  lgdogf  
A135289 14.9869  $10/(2+x)$  lgdogf  
A135290 18.3262  $11/(2+x)$  lgdogf  
A135295 10.3532  $2*(-1+x+288x^{11}-956x^{10}+1070x^9-405x^8)/(x-1)/(72x^{11}-160x^{10}+90x^9-x+1)$  lgdogf  
A135295 9.42909 [  $-x*(72x^{11}-160x^{10}+90x^9-x+1)/(x-1)^3$  ogf]  
A135297 29.5203  $-(1+2x^3+9x^2)/(3+x)/(x+1)/(x^2-x+1)$  lgdogf  
A135300 13.0111  $-(7+17x+x^3-x^2)/(x-1)/(x^4-3x^3+4x^2+3x+1)$  lgdogf  
A135300 7.36167 [  $(x^4-3x^3+4x^2+3x+1)/(x-1)^4$  ogf]  
A135301 11.0393  $-(5+7x+3x^5+17x^4-2x^3+34x^2)/(x-1)/(x+1)/(x^4+4x^3-2x^2+4x+1)$  lgdogf  
A135301 7.22917 [  $(x^4+4x^3-2x^2+4x+1)/(x+1)^3/(x-1)^4$  ogf]  
A135312 31.7825  $\exp(x)*(x*\exp(-x)+x+1)$  lgdegf  
A135318 10.0748  $-(1+2x+2x^6+5x^4+8x^3+4x^2)/(x^2+1)/(2x^2-1)/(x^3+x+1)$  lgdogf  
A135318 10.8621 [  $-(x^3+x+1)/(2x^2-1)/(x^2+1)$  ogf]  
A135332 5.35392 [  $(x^6-8x^5-3x^4-32x^3+3x^2-8x-1)/(x+1)^4/(x-1)^5$  ogf]  
A135332 7.31084  $-(9-11x+3x^7-17x^5-31x^6-23x^3-235x^4-157x^2)/(x-1)/(x+1)/(x^6-8x^5-3x^4-32x^3+3x^2-8x-1)$  lgdogf  
A135343 12.5517 [  $-(4x^3-x+1)/(4x-1)/(x+1)/(x^2-x+1)$  ogf]  
A135344 11.0909 [  $(x^3+2x^2+2x-1)/(3x-1)/(x+1)/(x^2-x+1)$  ogf]  
A135345 15.7841 [  $(3x^2-1)/(4x-1)/(x+1)/(x^2-x+1)$  ogf]  
A135348 12.5522 [  $-(x^4+x^3+2x^2-x-2)/(-x+1)$  ogf\_with\_Euler\_transform]  
A135350 10.5924  $-(3+4x-7x^2+6x^3+4x^4+8x^5)/(2x-1)/(x+1)/(x^2-x+1)/(2x^2+x+1)$  lgdogf  
A135350 11.2426 [  $-x*(2x^2+x+1)/(2x-1)/(x+1)/(x^2-x+1)$  ogf]  
A135351 10.3020  $-2x*(-3+x^3-8x^2+9x)/(x-1)/(2x-1)/(x+1)/(x^2-4x+2)$  lgdogf  
A135351 4.41135 [  $\{a(n+4)-2a(n+3)-a(n+2)+2a(n+1), a(0) = 0, a(1) = 2, a(2) = 0, a(3) = 3\}$ , ogf]  
A135351 8.82271 [  $x*(x^2-4x+2)/(x-1)/(2x-1)/(x+1)$  ogf]  
A135352 12.1924 [  $-(2x^5+x^4+2x^3+2x^2+x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A135353 10.4779 [  $-(18x^2-9x+2)/(2x-1)/(x^2-x+1)$  ogf]  
A135353 5.80026 [  $\{-a(n+3)+3a(n+2)-3a(n+1)+2a(n), a(0) = 2, a(1) = -3, a(2) = 3\}$ , ogf]  
A135353 9.99102  $-3*(-1+8x-5x^2-12x^3+12x^4)/(2x-1)/(x^2-x+1)/(18x^2-9x+2)$  lgdogf  
A135358 6.48060 [  $(7x^{10}+6x^9+7x^8+6x^7+7x^6+6x^5+7x^4+6x^3+7x^2+6x+6)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A135360 11.9027 [  $(x-1)*(x^2-x+1)/(2x-1)/(2x^2-2x+1)$  ogf]  
A135360 6.22186 [  $\{-a(n+4)+4a(n+3)-6a(n+2)+4a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7\}$ , ogf]  
A135364 12.7133  $-(2+4x-7x^2+x^3)/(x-1)/(x+1)/(x^3-2x^2+3x-1)$  lgdogf  
A135364 4.82136 [  $\{a(n+4)-3a(n+3)+2a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 7\}$ , ogf]  
A135364 9.22348 [  $-(x+1)*(x-1)^2/(x^3-2x^2+3x-1)$  ogf]  
A135365 13.3531 [  $(15x^3-1)/(3x-1)/(x+1)/(x^2-x+1)$  ogf]

A135365 6.19583 [ $\{a(n+4)-3a(n+3)+a(n+1)-3a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 11\}$ , ogf]  
A135370 12.4411  $-( -3-15x+x^4-8x^3+x^5-12x^2)/(x-1)/(x+1)/(x^4-4x^2-2x-1)$  lgdogf  
A135370 9.11144 [ $(x^4-4x^2-2x-1)/(x+1)^2/(x-1)^3$  ogf]  
A135385 9.96054 [[2] ogf\_with\_Euler\_transform]  
A135389 4.28382 [ $\{(-16n^2-80n-100)a(n+1)+(n^2+6n+8)a(n+2), a(0) = 2, a(1) = 24\}$ , ogf]  
A135389 9.91624 [2\*hypergeom([3/2, 3/2],[3],16\*x) ogf]  
A135391 7.60881 [ $(x^7+21x^6+22x^5+22x^4+22x^3+22x^2+22x+21)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A135399 11.4922  $-2x*(-14-27x+21x^3)/(3x-1)/(2x+1)/(x+1)/(-3+7x^2)$  lgdogf  
A135399 12.1103 [ $(7x^2-3)/(3x-1)/(2x+1)/(x+1)$  ogf]  
A135399 6.82815 [ $\{a(n+3)-7a(n+1)-6a(n), a(0) = 3, a(1) = 0, a(2) = 14\}$ , ogf]  
A135400 11.6796  $-(17+114x+4x^3+105x^2)/(x-1)/(2x^3+33x^2+12x+1)$  lgdogf  
A135400 7.10812 [ $-(2x^3+33x^2+12x+1)/(x-1)^5$  ogf]  
A135403 15.5095 [ $(111109x+1)/(x-1)^2$  ogf]  
A135403 17.3152  $-1/2*(-1-2x+(1+444440x)^{1/2})/(-111109+x)$  revogf  
A135403 20.0492  $-(111111+111109x)/(111109x+1)/(-1+x)$  lgdogf  
A135403 8.91349 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 111111\}$ , ogf]  
A135404 6.30377 [ $\{(48n^2+160n+132)a(n+1)+(-3n^2-17n-24)a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A135405 11.5298 [ $-x*(3x^3-8x^2+6x+1)/(x+1)/(x-1)^3$  ogf]  
A135405 14.8162  $-(8-10x^3+3x^4+11x^2)/(x-1)/(x+1)/(3x^3-8x^2+6x+1)$  lgdogf  
A135423 12.9299 [ $-(7x-3)/(9x-1)/(x-1)$  ogf]  
A135423 13.2500  $-1/2*(-3-10x+(9+32x+64x^2)^{1/2})/(7+9x)$  revogf  
A135423 14.9487  $-(23-54x+63x^2)/(x-1)/(7x-3)/(9x-1)$  lgdogf  
A135423 7.08068 [ $\{a(n+2)-10a(n+1)+9a(n), a(0) = 3, a(1) = 23\}$ , ogf]  
A135431 12.3118 [ $x*(x+1)/(x^4-x^3-x^2-x+1)$  ogf]  
A135431 15.4776  $-( -2-2x+2x^3-4x^2+3x^4)/(x+1)/(x^4-x^3-x^2-x+1)$  lgdogf  
A135432 7.80319  $-2*(1+x-x^6-2x^5+5x^3+2x^7-x^2)/(x-1)/(1+x)/(1+2x+2x^2)/(x^4-2x^3+x^2-2x+1)$  lgdogf  
A135432 8.02902 [ $-x*(x-1)*(2x^2+2x+1)/(x+1)/(x^4-2x^3+x^2-2x+1)$  ogf]  
A135435 16.0862 [ $(3x^4-7)/(x^7+x^4-1)$  ogf]  
A135435 18.9862  $-x^3*(-16-49x^3+9x^7)/(x^7+x^4-1)/(-7+3x^4)$  lgdogf  
A135438 8.04981 [ $\{(-2n^3-15n^2-37n-30)a(n+1)+6a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A135440 10.8817 [ $\{a(n+2)-a(n+1)-2a(n), a(0) = -1, a(1) = 4\}$ , ogf]  
A135440 19.8288 [ $-(5x-1)/(2x-1)/(x+1)$  ogf]  
A135440 22.6037  $-1/2*(x-1+(1+18x+9x^2)^{1/2})/(5+2x)$  revogf  
A135440 23.1986  $-2*(2-2x+5x^2)/(2x-1)/(5x-1)/(x+1)$  lgdogf  
A135446 10.5235  $-( -1+12x-21x^2+8x^3+6x^4)/(-1+3x)/(2x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A135446 10.8086 [ $-(x+1)*(3x-1)/(2x-1)/(x^2-x+1)$  ogf]  
A135446 5.88684 [ $\{-a(n+3)+3a(n+2)-3a(n+1)+2a(n), a(0) = -1, a(1) = -1, a(2) = 3\}$ , ogf]  
A135447 11.9114  $-( -2-4x+12x^3+6x^5-5x^4+5x^6-14x^2)/(5x^3+3x^2+x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
A135447 5.33570 [ $\{-a(n+4)+a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$ , ogf]  
A135447 9.83987 [ $(5x^3+3x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A135448 13.6930 [ $(2x^4-4x^3-3x^2-5x-1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A135448 9.30596  $-( -5-6x-9x^6-5x^4+8x^3-20x^5-12x^2-8x^7+2x^8)/(x-1)/(x^4+x^3+x^2+x+1)/(2x^4-4x^3-3x^2-5x-1)$  lgdogf  
A135449 13.6930 [ $-(5x^4+3x^3-7x^2+9x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A135449 9.21648  $-(9-14x-21x^6+5x^4+20x^3+36x^5+9x^2+6x^7+5x^8)/(x-1)/(x^4+x^3+x^2+x+1)/(5x^4+3x^3-7x^2+9x+1)$  lgdogf  
A135450 15.0493  $-(4-3x^2+16x^3)/(-1+4x)/(x+1)/(x^2-x+1)$  lgdogf  
A135450 15.4959 [ $-x^3/(4x-1)/(x+1)/(x^2-x+1)$  ogf]  
A135453 12.9031 [ $-12x*(x+1)/(x-1)^3$  ogf]  
A135453 36.0105 [[4-x] ogf\_with\_Euler\_transform]

A135453 37.5071  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A135453 6.73701  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 12, a(2) = 48\}, \text{ogf}]$   
A135454 5.74546  $(6+24*x$   
 $+8*x^10-26*x^7+48*x^2+64*x^3+60*x^4+42*x^5-3*x^9+2*x^6-27*x^8)/(x-1)/(x^2+x+1)/$   
 $(x^8-4*x^6-6*x^5-7*x^4-7*x^3-6*x^2-3*x-1)$  lgdogf  
A135454 6.00579  $[ -(x^2+x+1)*(x^8-4*x^6-6*x^5-7*x^4-7*x^3-6*x^2-3*x-1)/(x-1)^2$   
ogf]  
A135456 5.44431  $[ -5040/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$   
ogf]  
A135463 3.98254  $[ -(4473837306492991910*x^16+4921221037142291101*x^15-50)/$   
 $(49659594102072210201*x^16-4921221037142291101*x^15+500*x^2-550*x+50)$  ogf]  
A135466 11.7448  $[ -(50*x^2-39*x+8)/(2*x-1)^3$  ogf]  
A135466 18.0844  $-(9-56*x+100*x^2)/(2*x-1)/(50*x^2-39*x+8)$  lgdogf  
A135466 6.65190  $[ \{a(n+3)-6*a(n+2)+12*a(n+1)-8*a(n), a(0) = 8, a(1) = 9, a(2) = 8\}, \text{ogf}]$   
A135467 9.82212  $[ -(4*x^7+2*x^6+6*x^5+2*x^4+2*x^2+6*x+2)/(-x^8+1)$   
ogf\_with\_Euler\_transform]  
A135489 7.96576  $8-48*x-36*x^2+(-2+32*x-144*x^3-60*x^2)*f(x)+(23*x^2-4*x$   
 $+8*x^3-144*x^4)*f(x)^2$  lgdogf  
A135491 11.8412  $[ -(x+1)*(x^2+1)/(x^3+x^2+x-1)$  ogf]  
A135491 19.7322  $-(x^2+2)*(x+1)^2/(x^2+x+1)/(x^3+x^2+x-1)$  lgdogf  
A135491 6.18972  $[ \{-a(n+4)+a(n+3)+a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 4,$   
 $a(3) = 8\}, \text{ogf}]$   
A135492 10.8495  $-(2+4*x+x^6+3*x^4+4*x^3+2*x^5+6*x^2)/(x+1)/(1+x^2)/$   
 $(x^4+x^3+x^2+x-1)$  lgdogf  
A135492 9.76299  $[ -2*(x+1)*(x^2+1)/(x^4+x^3+x^2+x-1)$  ogf]  
A135493 7.71406  $[ -2*(x^4+x^3+x^2+x+1)/(x^5+x^4+x^3+x^2+x-1)$  ogf]  
A135493 7.99483  $-(2+4*x+4*x^5+5*x^4+8*x^3+3*x^6+2*x^7+x^8+6*x^2)/(x^4+x^3+x^2+x$   
 $+1)/(x^5+x^4+x^3+x^2+x-1)$  lgdogf  
A135497 14.8143  $-3*(39+63*x+x^3+17*x^2)/(-1+x)/(x^3+12*x^2+33*x+14)$  lgdogf  
A135497 4.16646  $[ \{(2*n^2+11*n+14)*a(n+1)+(11*n^2+105*n+234)*a(n$   
 $+2)+(-13*n^2-41*n-28)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 28\}, \text{ogf}]$   
A135497 7.12582  $[ 2*x^2*(x^3+12*x^2+33*x+14)/(x-1)^6$  ogf]  
A135503 14.3160  $[ 3*x^2/(x-1)^4$  ogf]  
A135503 57.9888  $[[4]$  ogf\_with\_Euler\_transform]  
A135503 7.15799  $[ \{n*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 3\}, \text{ogf}]$   
A135503 93.9090  $-4/(x-1)$  lgdogf  
A135509 5.11454  $[ -x*(x+1)*(x^2+4*x+1)*(x^2+13*x+1)/(x-1)^7$  ogf]  
A135509 8.43869  $-(25+250*x+59*x^4+356*x^3+2*x^5+568*x^2)/(x-1)/(x+1)/(x^2+4*x$   
 $+1)/(x^2+13*x+1)$  lgdogf  
A135511 13.5794  $[ -(2*x^5+3*x^4+x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$   
ogf]  
A135511 7.54014  $-(2+6*x$   
 $+10*x^6+10*x^4+12*x^3+6*x^5+3*x^2+12*x^7+3*x^8+6*x^9+2*x^10)/(x-1)/(x+1)/(x^2+x$   
 $+1)/(x^2-x+1)/(2*x^5+3*x^4+x^3+3*x^2+2*x+1)$  lgdogf  
A135513 9.44089  $[ -(2*x^7+2*x^6+6*x^5+3*x^4+8*x^3+3*x^2+4*x+1)/(x-1)/(x+1)/$   
 $(x^2+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A135518 13.1036  $-1/30*(-1-16*x+(196*x^2+1+32*x)^(1/2))/x$  revogf  
A135518 15.2993  $[ 1/(15*x-1)/(x-1)$  ogf]  
A135518 19.4127  $-2*(-8+15*x)/(15*x-1)/(x-1)$  lgdogf  
A135518 6.29973  $[ \{-a(n+2)+16*a(n+1)-15*a(n), a(0) = 1, a(1) = 16\}, \text{ogf}]$   
A135519 12.8911  $-1/28*(-1-15*x+(1+30*x+169*x^2)^(1/2))/x$  revogf  
A135519 15.0565  $[ 1/(14*x-1)/(x-1)$  ogf]  
A135519 19.8325  $-(15+28*x)/(14*x-1)/(x-1)$  lgdogf  
A135519 6.19973  $[ \{-a(n+2)+15*a(n+1)-14*a(n), a(0) = 1, a(1) = 15\}, \text{ogf}]$   
A135520 10.9387  $[ \{-a(n+2)+4*a(n), a(0) = 2, a(1) = 1\}, \text{ogf}]$   
A135520 11.0680  $-1/2*\text{arcsinh}(1/15*15^(1/2))+1/2*\text{arcsinh}(1/15*15^(1/2)*(1+4*x))$   
revegf  
A135520 17.0751  $[ -(x+2)/(2*x-1)/(2*x+1)$  ogf]  
A135520 18.5464  $-(1+16*x+4*x^2)/(1+2*x)/(2*x-1)/(x+2)$  lgdogf

A135522 14.5528 [ (x-2)/(x+1)/(3\*x-1) ogf]  
A135522 18.3384 -3\*(-1-4\*x+x^2)/(x-2)/(3\*x-1)/(x+1) lgdogf  
A135522 19.4499 (-1-x+(1+x+4\*x^2)^(1/2))/(-1+3\*x) revogf  
A135522 7.98632 [ {-a(n+2)+2\*a(n+1)+3\*a(n), a(0) = 2, a(1) = 3}, ogf]  
A135526 10.1774 (-6-48\*x+27\*x^4-89\*x^3+21\*x^5-105\*x^2)/(x-1)/  
(7\*x^5+31\*x^4+35\*x^3+22\*x^2+4\*x+1) lgdogf  
A135526 10.2416 [ (7\*x^5+31\*x^4+35\*x^3+22\*x^2+4\*x+1)/(x-1)^2 ogf]  
A135528 15.2916 [ (x^2-x-1)/(x-1)/(x+1) ogf]  
A135528 33.5406 (1+x^2)/(x-1)/(x+1)/(x^2-x-1) lgdogf  
A135528 9.02757 [ {a(n+3)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 0}, ogf]  
A135530 10.1893 [ {-a(n+2)+2\*a(n), a(0) = 2, a(1) = 1}, ogf]  
A135530 15.9052 [ -(x+2)/(2\*x^2-1) ogf]  
A135530 21.2486 (-1+(1+x+2\*x^2)^(1/2))/(1+2\*x) revogf  
A135530 21.2486 -(1+8\*x+2\*x^2)/(x+2)/(2\*x^2-1) lgdogf  
A135532 10.1436 [ {a(n+2)-2\*a(n+1)-a(n), a(0) = -1, a(1) = 3}, ogf]  
A135532 18.4840 [ -(5\*x-1)/(x^2+2\*x-1) ogf]  
A135532 20.5345 -1/2\*(-1+2\*x+(1+16\*x+8\*x^2)^(1/2))/(5+x) revogf  
A135532 24.1582 -(3-2\*x+5\*x^2)/(5\*x-1)/(x^2+2\*x-1) lgdogf  
A135536 13.6624 -1/4\*2^(1/2)\*(ln(1+2^(1/2))-arcsinh(4/7\*x+1)) revegfg  
A135536 14.9448 [ -7\*(2\*x+1)/(8\*x^2-1) ogf]  
A135536 18.0825 -2\*(1+8\*x+8\*x^2)/(2\*x+1)/(8\*x^2-1) lgdogf  
A135536 9.65665 [ {-a(n+2)+8\*a(n), a(0) = 7, a(1) = 14}, ogf]  
A135537 12.4418 -(5-6\*x+4\*x^4-4\*x^3+19\*x^2)/(-1+x)/(x^2+1)/(4\*x^2-2\*x+7) lgdogf  
A135537 12.7789 [ -(4\*x^2-2\*x+7)/(x-1)/(x^2+1) ogf]  
A135537 6.95992 [ {-a(n+3)+a(n+2)-a(n+1)+a(n), a(0) = 7, a(1) = 5, a(2) = 2},  
ogf]  
A135541 12.4037 [ -x\*(3\*x+2)/(2\*x-1)/(x^2+1) ogf]  
A135541 15.1438 -(7-4\*x+12\*x^3+9\*x^2)/(3\*x+2)/(-1+2\*x)/(1+x^2) lgdogf  
A135541 6.36947 [ {-a(n+3)+2\*a(n+2)-a(n+1)+2\*a(n), a(0) = 0, a(1) = 2, a(2) = 7},  
ogf]  
A135556 11.2754 -(4+28\*x+x^5+37\*x^3+7\*x^4+31\*x^2)/(x-1)/(x+1)/  
(x^4+3\*x^3+10\*x^2+3\*x+1) lgdogf  
A135556 8.56044 [ -(x^4+3\*x^3+10\*x^2+3\*x+1)/(x+1)^2/(x-1)^3 ogf]  
A135574 6.88480 -(1+22\*x+32\*x^7+36\*x^8+84\*x^5+29\*x^6+36\*x^3+12\*x^2)/(2\*x+1)/  
(2\*x-1)/(x^2+x+1)/(x^2-x+1)/(3\*x^3+2\*x^2+x+3) lgdogf  
A135574 9.01181 [ -x^2\*(3\*x^3+2\*x^2+x+3)/(2\*x-1)/(2\*x+1)/(x^2+x+1)/(x^2-x+1)  
ogf]  
A135575 8.83571 [ x\*(3\*x^3+2\*x^2+x+3)/(2\*x+1)/(x^2+x+1)/(x^2-x+1) ogf]  
A135575 8.85341 -(5+2\*x+12\*x^5+12\*x^7+15\*x^6+6\*x^2+4\*x^3+34\*x^4)/(1+2\*x)/(x^2+x  
+1)/(x^2-x+1)/(3\*x^3+2\*x^2+x+3) lgdogf  
A135576 4.45936 [ {-a(n+4)+7\*a(n+3)-14\*a(n+2)+8\*a(n+1), a(0) = 1, a(1) = 7, a(2)  
= 21, a(3) = 73}, ogf]  
A135576 7.96584 -(7-56\*x+170\*x^2-224\*x^3+112\*x^4)/(x-1)/(2\*x-1)/(-1+4\*x)/  
(16\*x^3-14\*x^2+1) lgdogf  
A135576 8.85315 [ -(16\*x^3-14\*x^2+1)/(x-1)/(2\*x-1)/(4\*x-1) ogf]  
A135577 2.59935 [ {-a(n+4)+111\*a(n+3)-1110\*a(n+2)+1000\*a(n+1), a(0) = 1, a(1) =  
111, a(2) = 10101, a(3) = 1001001}, ogf]  
A135577 5.00128 [ -(2000\*x^3-1110\*x^2+1)/(x-1)/(100\*x-1)/(10\*x-1) ogf]  
A135583 13.6568 [ -(7\*x-3)/(4\*x-1)/(x-1) ogf]  
A135583 14.6833 -1/2\*(-3-5\*x+(9+2\*x+9\*x^2)^(1/2))/(4\*x+7) revogf  
A135583 15.4363 -4\*(2-6\*x+7\*x^2)/(x-1)/(7\*x-3)/(-1+4\*x) lgdogf  
A135583 7.49459 [ {a(n+2)-5\*a(n+1)+4\*a(n), a(0) = 3, a(1) = 8}, ogf]  
A135593 8.71924 (18+54\*x+5\*x^5+21\*x^4+46\*x^3+x^6+68\*x^2)/(18\*x^2+4+14\*x  
+4\*x^4+12\*x^3+x^5) lgdegf  
A135600 15.7268 [ -(99\*x-100)/(x-1)^2 ogf]  
A135600 24.6466 -(-50-x+(2500+x)^(1/2))/(99+x) revogf  
A135600 25.4965 -(-101+99\*x)/(x-1)/(99\*x-100) lgdogf  
A135600 8.77772 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 100, a(1) = 101}, ogf]  
A135619 9.07354 [ -x^3\*(x^4-x^3+2\*x^2+x+1)/(x^9+x^6+7\*x^3-1) ogf]  
A135628 10.0663 [ {a(n+2)-2\*a(n+1)+a(n), a(0) = 0, a(1) = 28}, ogf]  
A135628 101.713 -2/(x-1) lgdogf

A135628 21.7220 [  $28x/(x-1)^2$  ogf]  
A135628 33.9042  $7x/(7+(49+7x)^{1/2})^2$  revogf  
A135628 63.1672 [[2] ogf\_with\_Euler\_transform]  
A135631 100.214  $-2/(x-1)$  lgdogf  
A135631 21.4050 [  $31x/(x-1)^2$  ogf]  
A135631 26.7238  $124x/(31+(961+124x)^{1/2})^2$  revogf  
A135631 62.2370 [[2] ogf\_with\_Euler\_transform]  
A135631 9.91939 [{ $a(n+2)-2a(n+1)+a(n)$ ,  $a(0) = 0$ ,  $a(1) = 31$ }, ogf]  
A135639 17.8679 [  $839x/(x-1)^2$  ogf]  
A135639 19.0606  $3356x/(839+(703921+3356x)^{1/2})^2$  revogf  
A135639 53.1667 [[2] ogf\_with\_Euler\_transform]  
A135639 8.39577 [{ $a(n+2)-2a(n+1)+a(n)$ ,  $a(0) = 0$ ,  $a(1) = 839$ }, ogf]  
A135639 85.7728  $-2/(x-1)$  lgdogf  
A135640 23.1205 [  $-1/(839x-1)$  ogf]  
A135640 9.84761 [{ $a(n+1)-839a(n)$ ,  $a(0) = 1$ }, ogf]  
A135654 2.81011 [  $-(1000000x^6+100000x^5+10000x^4+1000x^3+100x^2+10x+1)/(1111111x^7-1)$  ogf]  
A135655 3.42088 [  $(88888888888890x^{12}+8888888888889x^{11}+1000000x^4+100000x^3+10000x^2+1000x+100)/(8888888888889x^{11}-10000000x^5+100)$  ogf]  
A135659 18.0351 [  $(17x+7)/(x-1)^2$  ogf]  
A135659 21.9970  $-1/2*(-7-2x+(49+96x)^{1/2})/(-17+x)$  revogf  
A135659 32.5556  $-(17x+31)/(17x+7)/(x-1)$  lgdogf  
A135659 9.99537 [{ $-a(n+2)+2a(n+1)-a(n)$ ,  $a(0) = 7$ ,  $a(1) = 31$ }, ogf]  
A135690 10.4490 [  $-x*(2x-1)*(3x^2+1)/(x-1)/(2x^4-1)$  ogf]  
A135690 11.0554  $-(1+6x+28x^5+24x^7-30x^6-21x^2+20x^3-22x^4)/(x-1)/(2x-1)/(3x^2+1)/(2x^4-1)$  lgdogf  
A135694 12.2042 [  $-(2x^3+x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A135694 14.6991  $-(-1-2x+2x^6+x^4-4x^3-5x^2)/(x^2+x+1)/(x^2-x+1)/(2x^3+x-1)$  lgdogf  
A135695 10.8228 [  $-(x+1)*(3x^2+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A135695 12.2345  $-(x-1)*(3x^5+9x^4+9x^3+13x^2+5x+1)/(x+1)/(3x^2+1)/(x^2-x+1)/(x^2+x+1)$  lgdogf  
A135703 14.3585 [  $-x*(9x+5)/(x-1)^3$  ogf]  
A135703 33.6255  $-6*(4+3x)/(9x+5)/(x-1)$  lgdogf  
A135703 7.30743 [{ $a(n+3)-3a(n+2)+3a(n+1)-a(n)$ ,  $a(0) = 0$ ,  $a(1) = 5$ ,  $a(2) = 24$ }, ogf]  
A135704 12.0597 [  $-(21x^2-11x+4)/(x-1)^3$  ogf]  
A135704 19.5978  $-(1+20x+21x^2)/(x-1)/(21x^2-11x+4)$  lgdogf  
A135704 6.72356 [{ $a(n+3)-3a(n+2)+3a(n+1)-a(n)$ ,  $a(0) = 4$ ,  $a(1) = 1$ ,  $a(2) = 12$ }, ogf]  
A135705 14.7251 [  $-x*(x+9)/(x-1)^3$  ogf]  
A135705 39.4182  $-2*(x+14)/(x+9)/(x-1)$  lgdogf  
A135705 7.49404 [{ $a(n+3)-3a(n+2)+3a(n+1)-a(n)$ ,  $a(0) = 0$ ,  $a(1) = 9$ ,  $a(2) = 28$ }, ogf]  
A135706 14.5900 [  $-2x*(4x+1)/(x-1)^3$  ogf]  
A135706 37.2765  $-(7+8x)/(4x+1)/(x-1)$  lgdogf  
A135706 7.42529 [{ $a(n+3)-3a(n+2)+3a(n+1)-a(n)$ ,  $a(0) = 0$ ,  $a(1) = 2$ ,  $a(2) = 14$ }, ogf]  
A135712 11.6547 [  $(2x^2+9x+1)/(x-1)^4$  ogf]  
A135712 21.9283  $-(13+31x+4x^2)/(x-1)/(2x^2+9x+1)$  lgdogf  
A135712 3.98107 [{ $(n+4)*a(n+4)+(11+8n)*a(n+3)+(-45-7n)*a(n+2)+(-6-2n)*a(n+1)$ ,  $a(0) = 1$ ,  $a(1) = 13$ ,  $a(2) = 48$ ,  $a(3) = 118$ }, ogf]  
A135713 12.6261 [  $x*(7x+5)/(x-1)^4$  ogf]  
A135713 33.7316  $-3*(9+7x)/(7x+5)/(x-1)$  lgdogf  
A135713 5.36405 [{ $(10+5n)*a(n+3)+(-25+2n)*a(n+2)+(-21-7n)*a(n+1)$ ,  $a(0) = 0$ ,  $a(1) = 5$ ,  $a(2) = 27$ }, ogf]  
A135849 13.7639 [  $(2x-1)*(x-1)/(3x^2-8x+1)$  ogf]  
A135849 16.6772  $-(x+1)*(7x-5)/(x-1)/(-1+2x)/(3x^2-8x+1)$  lgdogf  
A135849 7.08238 [{ $-a(n+3)+8a(n+2)-3a(n+1)$ ,  $a(0) = 1$ ,  $a(1) = 5$ ,  $a(2) = 39$ }, ogf]



A135851 16.4485 [  $-(x^2+x-1)/(x^3+x-1)$  ogf]  
A135851 21.7942  $-x*(2+x^3+2*x^2-4*x)/(x^2+x-1)/(x^3+x-1)$  lgdogf  
A135851 9.37385 [  $\{a(n+3)-a(n+2)-a(n), a(0) = -1, a(1) = 0, a(2) = 1\}$ , ogf]  
A135854 3.72422 [  $\{(-2*n^2-10*n-12)*a(n)+(3*n^2+12*n+9)*a(n+1)+(-n^2-3*n-2)*a(n+2), a(0) = 1, a(1) = 6, a(2) = 15\}$ , ogf]  
A135854 7.53712 [  $-(4*x^4-12*x^3+8*x^2-1)/(2*x-1)^2/(x-1)^2$  ogf]  
A135859 16.5286  $-2*(2+3*x+x^3+6*x^2)/(-1+x)/(2*x^3+3*x^2+1)$  lgdogf  
A135859 5.37322 [  $\{(-n-2)*a(n+1)+(n-2)*a(n+2)+a(n+3), a(0) = 1, a(1) = 4, a(2) = 13\}$ , ogf]  
A135859 9.93678 [  $(2*x^3+3*x^2+1)/(x-1)^4$  ogf]  
A135863 48.4210  $4/(1+4*x^2)^{1/2}$  lgdogf  
A135863 6.17203 [  $\{(-4*n+4)*a(n+1)+(-n-2)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 8\}$ , ogf]  
A135864 5.90646 [  $\{(-108*n^2+162*n)*a(n)+(n^2+3*n+2)*a(n+3), a(0) = 1, a(1) = 9, a(2) = 27\}$ , ogf]  
A135908 11.0739 [  $-x^3*(3*x^3-2*x^2-x-2)/(x-1)/(3*x^3-1)$  ogf]  
A135908 11.4714  $-(3+4*x+9*x^6-12*x^5-3*x^4-12*x^3+7*x^2)/(x-1)/(3*x^3-1)/(3*x^3-2*x^2-x-2)$  lgdogf  
A135909 8.93349  $(-3-2*x-12*x^8-11*x^6+16*x^5+x^4+14*x^3+6*x^9+6*x^7-11*x^2)/(x-1)/(x^6-x^5+2*x^3-x^2-x-2)/(3*x^3-1)$  lgdogf  
A135909 9.55101 [  $-x^3*(x^6-x^5+2*x^3-x^2-x-2)/(x-1)/(3*x^3-1)$  ogf]  
A135913 11.4515  $-(7-66*x+211*x^2-276*x^3+132*x^4)/(x-1)/(3*x-1)/(2*x-1)/(22*x^2-23*x+5)$  lgdogf  
A135913 11.6627 [  $-(22*x^2-23*x+5)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A135913 6.60542 [  $\{a(n+3)-6*a(n+2)+11*a(n+1)-6*a(n), a(0) = 5, a(1) = 7, a(2) = 9\}$ , ogf]  
A135914 11.2566  $-(-7+30*x+24*x^4-12*x^3-31*x^2)/(x-1)/(3*x-1)/(2*x-1)/(4*x^2-x-1)$  lgdogf  
A135914 12.0139 [  $(4*x^2-x-1)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A135914 6.53386 [  $\{-a(n+3)+6*a(n+2)-11*a(n+1)+6*a(n), a(0) = 1, a(1) = 7, a(2) = 27\}$ , ogf]  
A135916 25.6375  $-(-25+2*x+3*x^2)/(x-1)/(x^2-5)$  lgdogf  
A135916 4.06465 [  $\{(-61*n^2-296*n-348)*a(n+1)+(192*n^2+926*n+1095)*a(n+2)+(-131*n^2-350*n-219)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 15\}$ , ogf]  
A135916 9.70435 [  $3*x^2*(x^2-5)/(x-1)^5$  ogf]  
A135917 5.76386 [  $-x*(5*x^5+29*x^4-161*x^3+159*x^2+84*x+4)/(x-1)^7$  ogf]  
A135917 8.66120  $-2*(56+411*x+5*x^5+56*x^4-264*x^3+156*x^2)/(x-1)/(5*x^5+29*x^4-161*x^3+159*x^2+84*x+4)$  lgdogf  
A135918 5.33607 [  $\{-a(n+3)+29*a(n+2)-188*a(n+1)+160*a(n), a(0) = 0, a(1) = 5, a(2) = 81\}$ , ogf]  
A135918 8.28169  $-(-81+1880*x-14432*x^2+20480*x^3)/(x-1)/(64*x-5)/(20*x-1)/(8*x-1)$  lgdogf  
A135918 9.90984 [  $x*(64*x-5)/(x-1)/(20*x-1)/(8*x-1)$  ogf]  
A135923 4.18639 [  $-x*(10*x^7-279*x^6+1071*x^5-879*x^4-1724*x^3+2331*x^2+1115*x+35)/(x-1)^9$  ogf]  
A135949 10.7406 [  $(4*x^2+x-1)/(2*x+1)/(x^2+2*x-1)$  ogf]  
A135949 12.2079  $-(1-2*x+8*x^4+4*x^3-x^2)/(1+2*x)/(4*x^2+x-1)/(x^2+2*x-1)$  lgdogf  
A135949 6.51294 [  $\{-a(n+3)+5*a(n+1)+2*a(n), a(0) = 1, a(1) = -1, a(2) = 1\}$ , ogf]  
A135989 6.17331  $-(3+67*x+75*x^3+129*x^7+35*x^8+31*x^9+229*x^4+107*x^5+131*x^2+193*x^6)/(x-1)/(x^4+x^3+x^2+x+1)/(31*x^5+2*x^4+32*x^3+32*x^2+2*x+1)$  lgdogf  
A135989 9.22355 [  $3*(31*x^5+2*x^4+32*x^3+32*x^2+2*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A135990 13.8708 [  $x^2*(x-1)*(x+1)/(x^5-2*x^4+x^2-1)$  ogf]  
A135990 18.3040  $-x^3*(-4*x^2+3*x^3+8-5*x)/(x-1)/(x+1)/(x^5-2*x^4+x^2-1)$  lgdogf  
A135991 11.6199  $-x*(3*x^6-2-7*x^5+2*x-12*x^2+12*x^3)/(x-1)/(x+1)/(x^6-3*x^5+3*x^4-x+1)$  lgdogf  
A135991 8.51622 [  $x^2*(x+1)*(x-1)^2/(x^6-3*x^5+3*x^4-x+1)$  ogf]  
A135992 11.6168  $-(x+1)*(x^5-x^4+x^3-5*x^2+5*x+1)/(x^2+x-1)/(x^2-x-1)/(x^3-x-1)$  lgdogf  
A135992 12.8911 [  $-(x^3-x-1)/(x^2+x-1)/(x^2-x-1)$  ogf]

A135994 13.9327 [  $-x^*(x-2)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A135994 14.6851  $-(-1+12*x+3*x^4-8*x^3-3*x^2)/(x-2)/(x^2+x-1)/(x^2-x-1)$  lgdogf  
A135997 11.9730  $-(-1-2*x+4*x^6+9*x^5-4*x^4+3*x^3-3*x^2)/(x-1)/(x^2+x+1)/(2*x^4+3*x^3-x^2-x-2)$  lgdogf  
A135997 9.76603 [  $-x*(2*x^4+3*x^3-x^2-x-2)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A136006 5.24220 [  $-2*x^2*(x^4+29*x^3+147*x^2+155*x+28)/(x-1)^7$  ogf]  
A136006 9.55316  $-3*(117+408*x+x^4+40*x^3+274*x^2)/(x-1)/(x^4+29*x^3+147*x^2+155*x+28)$  lgdogf  
A136008 14.6482  $-4*(3+10*x+x^3+7*x^2)/(x-1)/(x+1)/(x^2+4*x+1)$  lgdogf  
A136008 4.21367 [  $\{(n^2+2*n)*a(n)+(-2*n^2-4*n-30)*a(n+1)+(n^2+2*n)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 60\}$ , ogf]  
A136008 5.59462 [  $-60*x^2*(x+1)*(x^2+4*x+1)/(x-1)^7$  ogf]  
A136010 11.5975  $1/2/(-131+9*x)*(-20-7*x+(400-244*x+85*x^2)^(1/2))$  revogf  
A136010 12.0845 [  $(131*x-20)/(9*x^2+7*x-1)$  ogf]  
A136010 12.6284  $-9*(-1-40*x+131*x^2)/(131*x-20)/(9*x^2+7*x-1)$  lgdogf  
A136010 6.98861 [  $\{-a(n+2)+7*a(n+1)+9*a(n), a(0) = 20, a(1) = 9\}$ , ogf]  
A136016 12.9822 [  $(x^2-11*x-8)/(x-1)^3$  ogf]  
A136016 23.2309  $-(-35-20*x+x^2)/(x-1)/(x^2-11*x-8)$  lgdogf  
A136016 7.06050 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 8, a(1) = 35, a(2) = 80\}$ , ogf]  
A136017 12.0676 [  $(x^2-38*x-35)/(x-1)^3$  ogf]  
A136017 20.7141  $-(-143-74*x+x^2)/(x-1)/(x^2-38*x-35)$  lgdogf  
A136017 6.49791 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 35, a(1) = 143, a(2) = 323\}$ , ogf]  
A136029 11.5242  $-(-1+x+x^4-2*x^3+x^5-4*x^2)/(x-1)/(x+1)/(1+x^2)/(x^2+2*x-1)$  lgdogf  
A136038 14.2463  $- (27+104*x+8*x^3+71*x^2)/(-1+x)/(x+1)/(2*x^2+11*x+2)$  lgdogf  
A136038 4.13006 [  $\{(-7*n^2-37*n-48)*a(n+1)+(14*n^2+56*n+162)*a(n+2)+(-7*n^2-19*n-12)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 48\}$ , ogf]  
A136038 6.28186 [  $-24*x^2*(x+1)*(2*x^2+11*x+2)/(x-1)^7$  ogf]  
A136042 6.98094 [  $-(x^{13}+2*x^{12}+3*x^{11}+x^{10}+x^9+2*x^8+x^7+x^6+x^5+3*x^4+2*x^3+x^2+4*x+5)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A136047 11.0447  $-(3+21*x+12*x^2+32*x^3-7*x^4+3*x^5)/(x-1)/(x+1)/(x^4-2*x^3+6*x^2+2*x+1)$  lgdogf  
A136047 7.33394 [  $(x^4-2*x^3+6*x^2+2*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A136105 19.4209  $-(-27+16*x+6*x^2)/(x-1)/(2*x^2+3*x-6)$  lgdogf  
A136105 9.27870 [  $(2*x^2+3*x-6)/(x-1)^5$  ogf]  
A136161 6.33178 [  $-x*(3*x^4+7*x^3-x^2-2*x-5)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A136161 7.28117  $-(-2-2*x+6*x^6+21*x^5-4*x^4+2*x^3-9*x^2)/(-1+x)/(x^2+x+1)/(3*x^4+7*x^3-x^2-2*x-5)$  lgdogf  
A136169 8.03858 [  $-(x^4-x^3-x^2-x+1)/(2*x-1)/(x^2+x+1)/(x-1)^2$  ogf]  
A136169 8.62921  $-(-2+4*x+3*x^3+2*x^7-4*x^4-6*x^5-x^2-2*x^6)/(x-1)/(2*x-1)/(x^2+x+1)/(x^4-x^3-x^2-x+1)$  lgdogf  
A136184 6.19116 [  $-(x^{10}+x^9-x^8+x^6-x^3-x-1)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A136184 6.21289  $(20*x^3+2*x^{12}-16*x^{10}-16*x^9+18*x^2+2*x^{13}-6*x^{11}+8*x+13*x^4-3*x^8+2*x^7-2*x^6+2)/(x-1)/(x+1)/(x^2+x+1)/(x^{10}+x^9-x^8+x^6-x^3-x-1)$  lgdogf  
A136185 6.70185 [  $-(x^7-2*x^5+x^3+x^2-x-1)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A136185 9.78393  $-(-2-6*x-4*x^4-6*x^3+x^{10}+2*x^9-9*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^7-2*x^5+x^3+x^2-x-1)$  lgdogf  
A136188 16.1320 [  $-(5*x^2+5*x+3)/(x-1)/(x+1)$  ogf]  
A136188 9.41031 [  $\{-a(n+3)+a(n+1), a(0) = 3, a(1) = 5, a(2) = 8\}$ , ogf]  
A136201 12.8937 [  $x^3/(3*x^2-1)/(x^2+2*x-1)$  ogf]  
A136201 14.4666  $-2*(-1+2*x)*(3*x^2+6*x+1)/(3*x^2-1)/(x^2+2*x-1)$  lgdogf  
A136210 11.1836  $-(3+8*x+15*x^2-4*x^3-9*x^4+2*x^5)/(x^2-3*x-1)/(x^4-5*x^2+1)$  lgdogf  
A136210 11.8147 [  $-(x^2-3*x-1)/(x^4-5*x^2+1)$  ogf]  
A136211 10.7986  $-(4+10*x+x^6+17*x^2-4*x^3-7*x^4)/(x^3-4*x-1)/(x^4-5*x^2+1)$  lgdogf  
A136211 11.2243 [  $-(x^3-4*x-1)/(x^4-5*x^2+1)$  ogf]

A136249 11.2899  $-(2+2*x+68*x^4-16*x^3-39*x^2)/(2*x+1)/(2*x-1)/(x+1)/(17*x^2-2*x-4)$  lgdogf  
A136249 11.4034  $[(17*x^2-2*x-4)/(2*x+1)/(2*x-1)/(x+1)]$  ogf]  
A136249 6.31260  $[{-a(n+3)-a(n+2)+4*a(n+1)+4*a(n), a(0) = 4, a(1) = -2, a(2) = 1}]$ , ogf]  
A136252 14.8543  $[(2*x+1)/(x-1)/(2*x^2-1)]$  ogf]  
A136252 17.1649  $-(-3-4*x+8*x^3+2*x^2)/(x-1)/(2*x+1)/(2*x^2-1)$  lgdogf  
A136252 7.02926  $[{a(n+3)-a(n+2)-2*a(n+1)+2*a(n), a(0) = 1, a(1) = 3, a(2) = 5}]$ , ogf]  
A136254 16.6102  $-(3-7*x+8*x^2)/(-1+x)/(4*x^2-5*x+2)$  lgdogf  
A136254 8.51146  $[2*(4*x^2-5*x+2)/(x-1)^4]$  ogf]  
A136258 16.7523  $[(3*x+1)/(2*x^2-2*x+1)]$  ogf]  
A136258 18.9133  $-1/2*(-1-2*x+(1+16*x-4*x^2)^{(1/2)})/(-3+2*x)$  revogf  
A136258 21.9803  $-(-5+4*x+6*x^2)/(3*x+1)/(2*x^2-2*x+1)$  lgdogf  
A136258 9.19335  $[{-a(n+2)+2*a(n+1)-2*a(n), a(0) = 1, a(1) = 5}]$ , ogf]  
A136264 33.3317  $32*x/(x-1)/(x+1)/(1-6*x+x^2)$  lgdogf  
A136264 4.00088  $[{(-n-4)*a(n+4)+(6*n+18)*a(n+3)-32*a(n+2)+(-6*n-6)*a(n+1)+n*a(n), a(0) = 1, a(1) = 0, a(2) = -16, a(3) = -64}]$ , ogf]  
A136264 9.35088  $[(x^2-6*x+1)*(x+1)^2/(x-1)^4]$  ogf]  
A136270 11.0301  $[-(3*x-1)/(3*x^2-20*x+1)]$  ogf]  
A136270 11.5417  $-1/6*(-1-20*x+(1+28*x+388*x^2)^{(1/2)})/(1+x)$  revogf  
A136270 13.0604  $-(-17-6*x+9*x^2)/(3*x-1)/(3*x^2-20*x+1)$  lgdogf  
A136270 6.04029  $[{a(n+2)-20*a(n+1)+3*a(n), a(0) = 1, a(1) = 17}]$ , ogf]  
A136281 11.3662  $-1/2*(x-2)*(x^5-2*x^4+2*x^3+2*x-4)/(x^3-2*x^2+2*x-2)/(x-1)^2$  lgdegf  
A136289 15.5826  $[3*(x^2+1)/(x^2+x+1)/(x-1)^2]$  ogf]  
A136289 18.1551  $-(1+3*x+x^3+2*x^4+5*x^2)/(x-1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A136289 26.8173  $[-x^3+x^2+x+1]$  ogf\_with\_Euler\_transform]  
A136289 5.41589  $[{(n+4)*a(n+1)+a(n+2)+a(n+3)+(-n-3)*a(n+4), a(0) = 3, a(1) = 3, a(2) = 6, a(3) = 9}]$ , ogf]  
A136293 17.3324  $[2*(25*x+13)/(x-1)^2]$  ogf]  
A136293 24.2242  $-(-13-x+(169+76*x)^{(1/2)})/(-50+x)$  revogf  
A136293 30.7461  $-(-51+25*x)/(25*x+13)/(x-1)$  lgdogf  
A136293 9.58382  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 26, a(1) = 102}]$ , ogf]  
A136297 15.2039  $[(5*x^2-1)/(3*x^3-3*x^2+3*x-1)]$  ogf]  
A136297 15.9148  $-(-3+16*x-24*x^2+15*x^4)/(5*x^2-1)/(3*x^3-3*x^2+3*x-1)$  lgdogf  
A136297 7.73769  $[{a(n+3)-3*a(n+2)+3*a(n+1)-3*a(n), a(0) = 1, a(1) = 3, a(2) = 1}]$ , ogf]  
A136298 11.1464  $[(x^3-2*x^2-x+1)/(x+1)/(2*x-1)^2]$  ogf]  
A136298 14.1743  $(-2+3*x^2+4*x^3)/(-1+2*x)/(x+1)/(x^3-2*x^2-x+1)$  lgdogf  
A136298 5.96430  $[{-a(n+4)+3*a(n+3)-4*a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9}]$ , ogf]  
A136299 12.3712  $[-(x^3+2*x^2+x-1)/(x+1)/(2*x-1)^2]$  ogf]  
A136299 17.2567  $-(-2+4*x^3+9*x^2)/(2*x-1)/(x+1)/(x^3+2*x^2+x-1)$  lgdogf  
A136299 6.61966  $[{a(n+4)-3*a(n+3)+4*a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7}]$ , ogf]  
A136302 12.2877  $[-(x^2+2)/(x^3-2*x^2+3*x-1)]$  ogf]  
A136302 15.6120  $-(6-6*x+x^4+3*x^2)/(x^2+2)/(x^3-2*x^2+3*x-1)$  lgdogf  
A136302 6.19821  $[{a(n+3)-3*a(n+2)+2*a(n+1)-a(n), a(0) = 2, a(1) = 6, a(2) = 15}]$ , ogf]  
A136303 9.82514  $[-(x^2+1)/(x^3-2*x^2+3*x-1)/(x-1)^2]$  ogf]  
A136305 12.4897  $[-(2*x^2-x+3)/(x^3-2*x^2+3*x-1)]$  ogf]  
A136305 6.74220  $[{a(n+3)-3*a(n+2)+2*a(n+1)-a(n), a(0) = 3, a(1) = 8, a(2) = 20}]$ , ogf]  
A136313 6.92226  $[-(15*x^{10}+7*x^9+21*x^8+13*x^7+5*x^6+19*x^5+11*x^4+3*x^3+17*x^2+9*x+1)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)]$  ogf]  
A136315 6.93077  $[-(8*x^9+9*x^8+4*x^7+7*x^6+5*x^4+6*x^3+3*x^2+2*x+1)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)]$  ogf]  
A136316 15.8836  $[(15*x-13)/(x-1)^3]$  ogf]  
A136316 37.9954  $-6*(-4+5*x)/(15*x-13)/(x-1)$  lgdogf

A136316 7.59650 [  $\{-a(n+3)+3a(n+2)-3a(n+1)+a(n), a(0) = 13, a(1) = 24, a(2) = 33\}$ , ogf]  
A136320 14.0848 [  $(5x^2-2x+3)/(x+1)/(x-1)^2$  ogf]  
A136320 18.7273  $-(1+17x+5x^3+x^2)/(x-1)/(x+1)/(5x^2-2x+3)$  lgdogf  
A136320 7.67118 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 1, a(2) = 9\}$ , ogf]  
A136324 7.64635  $-(1+4x+24x^5-12x^4-16x^3+5x^2)/(x-1)/(1+2x)/(2x-1)/(x+1)/(3x^2-x-1)$  lgdogf  
A136324 9.57013 [  $-x(3x^2-x-1)/(x-1)/(2x+1)/(2x-1)/(x+1)$  ogf]  
A136325 11.0612  $-1/2*(-3-8x+(1+2x)^{1/2}*(3+10x)^{1/2}*3^{1/2})/x$  revogf  
A136325 15.7883 [  $3x/(x^2-8x+1)$  ogf]  
A136325 28.7590  $-2*(x-4)/(x^2+1-8x)$  lgdogf  
A136325 7.21194 [  $\{a(n+2)-8a(n+1)+a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A136326 11.4990 [  $(x^3-2x^2+x+1)/(2x-1)/(2x+1)/(x-1)$  ogf]  
A136326 6.01084 [  $\{-a(n+4)+a(n+3)+4a(n+2)-4a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9\}$ , ogf]  
A136331 7.01200 [  $3x*(x^3+5x^2-x-1)/(x-1)/(x^4-10x^2+1)$  ogf]  
A136331 7.56345  $-2*(-1-5x-31x^4+11x^3+x^7+7x^6-7x^5+9x^2)/(x-1)/(x^3+5x^2-x-1)/(x^4-10x^2+1)$  lgdogf  
A136336 11.2946 [  $-(x^3+2x^2-x-1)/(2x-1)/(2x+1)/(x-1)$  ogf]  
A136336 5.90398 [  $\{-a(n+4)+a(n+3)+4a(n+2)-4a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7\}$ , ogf]  
A136362 4.17055 [  $(4x^6-21x^5+47x^4-94x^3-34x^2+3x-1)/(x-1)^5$  ogf]  
A136362 5.36480  $2*(1+28x+2x^6-12x^5+29x^4+192x^2)/(-1+x)/(4x^6-21x^5+47x^4-94x^3-34x^2+3x-1)$  lgdogf  
A136376 15.0502  $-(3+7x+x^4+x^3+6x^2)/(x+1)/(1+x^2)/(x^2+x-1)$  lgdogf  
A136376 9.17266 [  $(x+1)*(x^2+1)/(x^2+x-1)^2$  ogf]  
A136391 10.4757  $-(-1-5x+x^4-3x^3+6x^2)/(-1+x)/(1+x^2)/(x^2+x-1)$  lgdogf  
A136391 10.5045 [  $-(x-1)*(x^2+1)/(x^2+x-1)^2$  ogf]  
A136391 3.85165 [  $\{(n^2+n)*a(n)+(-2n^2-19n-24)*a(n+1)+(-4n^2-15n-12)*a(n+2)+(3n^2+13n+12)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A136392 11.9483 [  $-(x+1)*(5x+1)/(x-1)^3$  ogf]  
A136392 20.3970  $-(9+22x+5x^2)/(x-1)/(5x+1)/(x+1)$  lgdogf  
A136392 6.44996 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 9, a(2) = 29\}$ , ogf]  
A136395 17.4383  $-(4-2x+4x^3+x^4+3x^2)/(x-1)/(x^4+x^2-x+1)$  lgdogf  
A136395 8.98900 [  $-(x^4+x^2-x+1)/(x-1)^5$  ogf]  
A136396 9.48039 [  $-(x^4-x^3+3x^2-2x+1)/(x-1)^5$  ogf]  
A136399 14.7931 [  $-(2x^9-2x^8+x-2)/(x-1)^2$  ogf]  
A136399 17.7054  $(3-x-30x^8+16x^7+14x^9)/(x-1)/(2x^9-2x^8+x-2)$  lgdogf  
A136401 15.9430 [  $x^3/(2x-1)/(x-1)/(2x^2+1)$  ogf]  
A136408 5.17089 [  $\{a(n+4)-3a(n+3)+4a(n+2)-6a(n+1)+4a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7\}$ , ogf]  
A136408 8.57477  $-(2-4x+12x^6+12x^4-16x^5-10x^3+7x^2)/(x-1)/(2x-1)/(2x^2+1)/(3x^3-2x^2+x-1)$  lgdogf  
A136408 9.53594 [  $-(3x^3-2x^2+x-1)/(2x-1)/(x-1)/(2x^2+1)$  ogf]  
A136412 13.6568 [  $-(3x-2)/(4x-1)/(x-1)$  ogf]  
A136412 14.6833  $-1/2*(-2-5x+(4+8x+9x^2)^{1/2})/(3+4x)$  revogf  
A136412 15.4363  $-(7-16x+12x^2)/(x-1)/(-1+4x)/(3x-2)$  lgdogf  
A136412 7.49459 [  $\{a(n+2)-5a(n+1)+4a(n), a(0) = 2, a(1) = 7\}$ , ogf]  
A136427 8.93553 [  $x*(2x^4+2x^2-x+1)/(2x-1)/(x-1)/(2x^2+1)$  ogf]  
A136427 9.14472  $-2*(-1+2x+6x^6-3x^4+10x^3-8x^2)/(x-1)/(2x-1)/(2x^2+1)/(2x^4+2x^2-x+1)$  lgdogf  
A136429 13.3157  $-2*(1+4x-5x^2+2x^3)/(x-1)/(x+1)/(x^2-3x+1)$  lgdogf  
A136429 8.93650 [  $(x-1)^2/(x+1)^2/(x^2-3x+1)^2$  ogf]  
A136433 6.19721 [  $-(18x^8+6x^7-6x^6-7x^5-9x^4-13x^3-26x^2-12x-11)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(6x^3-1)$  ogf]  
A136434 22.5328  $-(-1-13x+2x^2)/(-1+x)/(x^2-5x+1)$  lgdogf  
A136444 3.73374 [  $\{(-n^2-7n-12)*a(n+1)+(n^2+6n+8)*a(n+2)+(-2n^2-10n-9)*a(n+3)+(n^2+4n+3)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A136444 9.97127 [  $-x^3*(x-1)/(x^3-x^2+2x-1)^2$  ogf]  
A136445 5.61101 [  $-(x^8+x^7-2x^6-3x^5-2x^4+3x^3+2x^2-3)/(x+1)/(x^2+x+1)/$

$(x^3+x^2-1)/(x-1)^3$  ogf]  
A136488 14.1673 [  $-(x-1)*(x+1)/(2*x-1)/(2*x^2-1)$  ogf]  
A136488 7.21014 [  $\{a(n+3)-2*a(n+2)-2*a(n+1)+4*a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A136530 11.8925 [  $(x-1)*(x+1)/(2*x-1)^3$  ogf]  
A136530 19.8952  $-2*(-3+x+x^2)/(-1+x)/(2*x-1)/(x+1)$  lgdogf  
A136530 6.05057 [  $\{a(n+3)-6*a(n+2)+12*a(n+1)-8*a(n), a(0) = 1, a(1) = 6, a(2) = 23\}$ , ogf]  
A136576 20.2985  $1/2*(-1+(1-4*x)^{(1/2)})/(-1+2*x)$  revogf  
A136580 3.54575 [  $\{(n+4)*a(n+1)-a(n+2)+(-4-n)*a(n+3)+a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 7\}$ , ogf]  
A136591 14.6309 [  $(2*x+1)/(x^2+x+1)$  egf]  
A136591 20.2323  $-(-1+2*x+2*x^2)/(2*x+1)/(x^2+x+1)$  lgdegf  
A136598 15.3990 [  $-(2*x^3+5)/(x^5-x^3-1)$  ogf]  
A136598 20.9482  $-x^2*(-9+25*x^2+4*x^5)/(5+2*x^3)/(x^5-x^3-1)$  lgdogf  
A136599 3.45203 [-  
 $(-6*x^{14}-3*x^{13}-3*x^{12}-3*x^{11}-3*x^{10}-3*x^9-3*x^8-3*x^7-3*x^6-3*x^5-3*x^4-3*x^3-3*x^2-3*x-3)/(x^{15}-1)$  ogf\_with\_Euler\_transform]  
A136602 11.1764 [  $\{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A136602 111.552  $-2/(x-1)$  lgdogf  
A136602 27.4329 [  $x/(x-1)^2$  ogf]  
A136602 38.8007  $4*x/(1+(4*x+1)^{(1/2)})^2$  revogf  
A136602 69.4136 [[2] ogf\_with\_Euler\_transform]  
A136615 8.49725 [  $-(8*x^6+16*x^5-14*x^4-7*x^3+2*x+1)/(2*x-1)/(x+1)/(x^2-x+1)/(4*x^2+2*x+1)$  ogf]  
A136619 15.9130  $- (1+8*x+4*x^4+2*x^3+6*x^2)/(-1+x)/(x^2+x+1)/(x^3+4*x^2+x+1)$  lgdogf  
A136619 16.7959 [  $-(x^3+4*x^2+x+1)/(x-1)/(x^2+x+1)$  ogf]  
A136619 9.97259 [  $\{a(n+4)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 2\}$ , ogf]  
A136658 20.3482  $-2+(1-3*x+3*x^2-x^3)*f(x)$  lgdegf  
A136658 3.74052 [  $\{(n^3+3*n^2+2*n)*a(n)+(-3*n^2-9*n-6)*a(n+1)+(3*n+8)*a(n+2)-a(n+3), a(0) = 1, a(1) = 2, a(2) = 10\}$ , ogf]  
A136659 14.6862  $-6*(-3-4*x+2*x^2)/(x-1)/(3*x^2-6*x-2)$  lgdegf  
A136659 3.26442 [  $\{(-3*n^2-24*n-45)*a(n+1)+(-n^2-8*n-21)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 9, a(2) = 75\}$ , ogf]  
A136659 6.16612 [  $-1/2*(3*x^2-6*x-2)/(x-1)^6$  egf]  
A136660 8.11328  $-3*(12+50*x-5*x^2-20*x^3+5*x^4)/(-1+x)/(3*x^4-12*x^3+3*x^2+18*x+2)$  lgdegf  
A136661 2.80256 [  $\{(-n^3-18*n^2-107*n-210)*a(n+1)+(3*n^2+39*n+126)*a(n+2)+(-2*n-6)*a(n+3), a(0) = 1, a(1) = 30, a(2) = 645\}$ , ogf]  
A136687 4.72765 [  $-(x^{20}+x^{19}+x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A136724 7.89880 [  $-4*(x^{27}-x^{26}+x^{12}-x^{11}+x^5-x^4+x^2+x-3)/(x-1)^2$  ogf]  
A136746 7.04157  $(-4*x-x^8+3*x^6+5*x^5+x^3-11*x^7+12*x^{10}+9*x^{13}-9*x^{12}-18*x^{11}+x^2-2-5*x^4+15*x^9)/(x-1)/(x+1)/(x^{12}-x^{11}-x^{10}+x^8-x^6+x^5-x^3+x+1)$  lgdogf  
A136746 8.39079 [  $(x^{12}-x^{11}-x^{10}+x^8-x^6+x^5-x^3+x+1)/(x+1)/(x-1)^2$  ogf]  
A136768 7.68378 [  $(x^8+x^7+8*x^6+8*x^5+8*x^4+8*x^3+8*x^2+8*x+7)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A136775 13.6471 [  $(x-1)^2/(5*x^2-5*x+1)$  ogf]  
A136775 21.3383  $(-3+5*x)/(x-1)/(5*x^2-5*x+1)$  lgdogf  
A136775 7.02231 [  $\{-a(n+3)+5*a(n+2)-5*a(n+1), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]  
A136776 12.4756 [  $(x-1)^2/(x^3+3*x^2-4*x+1)$  ogf]  
A136776 12.9522  $-(x+1)*(x^2-4*x+2)/(x-1)/(x^3+3*x^2-4*x+1)$  lgdogf  
A136776 6.79473 [  $\{-a(n+3)+4*a(n+2)-3*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A136777 12.8700  $4*(1-5*x+7*x^2)/(x-1)/(3*x-1)/(13*x^2-8*x+1)$  lgdogf  
A136777 13.0645 [  $(3*x-1)*(x-1)/(13*x^2-8*x+1)$  ogf]  
A136777 6.78351 [  $\{a(n+3)-8*a(n+2)+13*a(n+1), a(0) = 1, a(1) = 4, a(2) = 22\}$ , ogf]

A136778 11.9307 [ (3\*x-1)\*(x-1)/(3\*x^3+9\*x^2-7\*x+1) ogf]  
A136778 6.44047 [{a(n+3)-7\*a(n+2)+9\*a(n+1)+3\*a(n), a(0) = 1, a(1) = 3, a(2) = 15}, ogf]  
A136778 9.17652 -3\*(-1+4\*x-2\*x^2-8\*x^3+3\*x^4)/(x-1)/(-1+3\*x)/(3\*x^3+9\*x^2-7\*x+1) lgdogf  
A136779 12.8700 3\*(x-1)\*(3\*x-1)/(13\*x^2-8\*x+1)/(1-5\*x+7\*x^2) lgdogf  
A136779 13.0645 [ (7\*x^2-5\*x+1)/(13\*x^2-8\*x+1) ogf]  
A136779 6.78351 [{-a(n+3)+8\*a(n+2)-13\*a(n+1), a(0) = 1, a(1) = 3, a(2) = 18}, ogf]  
A136780 12.0349 [ (7\*x^2-5\*x+1)/(7\*x^3+8\*x^2-7\*x+1) ogf]  
A136780 6.49673 [{a(n+3)-7\*a(n+2)+8\*a(n+1)+7\*a(n), a(0) = 1, a(1) = 2, a(2) = 13}, ogf]  
A136780 9.27312 -(-2+2\*x+30\*x^2-70\*x^3+49\*x^4)/(7\*x^2-5\*x+1)/(7\*x^3+8\*x^2-7\*x+1) lgdogf  
A136781 5.33093 [{-a(n+4)+14\*a(n+3)-54\*a(n+2)+57\*a(n+1), a(0) = 1, a(1) = 3, a(2) = 21, a(3) = 162}, ogf]  
A136781 7.39452 3\*(1-14\*x+141\*x^4-166\*x^3+74\*x^2)/(-1+3\*x)/(9\*x^2-8\*x+1)/(57\*x^3-54\*x^2+14\*x-1) lgdogf  
A136781 9.80891 [ (3\*x-1)\*(9\*x^2-8\*x+1)/(57\*x^3-54\*x^2+14\*x-1) ogf]  
A136782 6.14816 -(-2+20\*x-282\*x^3+1260\*x^4-1782\*x^5-35\*x^2+729\*x^6)/(3\*x-1)/(9\*x^2-8\*x+1)/(27\*x^4+24\*x^3-43\*x^2+13\*x-1) lgdogf  
A136782 8.53715 [ (3\*x-1)\*(9\*x^2-8\*x+1)/(27\*x^4+24\*x^3-43\*x^2+13\*x-1) ogf]  
A136783 11.2682 [ -(7\*x^2-6\*x+1)/(20\*x^3-27\*x^2+10\*x-1) ogf]  
A136783 6.21692 [{-a(n+3)+10\*a(n+2)-27\*a(n+1)+20\*a(n), a(0) = 1, a(1) = 4, a(2) = 20}, ogf]  
A136783 8.38346 -4\*(1-10\*x+38\*x^2-60\*x^3+35\*x^4)/(7\*x^2-6\*x+1)/(20\*x^3-27\*x^2+10\*x-1) lgdogf  
A136784 12.0060 [ -(7\*x^2-6\*x+1)/(x-1)/(13\*x^2-8\*x+1) ogf]  
A136784 6.57718 [{-a(n+3)+9\*a(n+2)-21\*a(n+1)+13\*a(n), a(0) = 1, a(1) = 3, a(2) = 13}, ogf]  
A136784 8.22475 -(3-28\*x-156\*x^3+91\*x^4+102\*x^2)/(x-1)/(13\*x^2-8\*x+1)/(7\*x^2-6\*x+1) lgdogf  
A136785 10.2339 [ (3\*x-1)\*(x-1)^2/(20\*x^3-27\*x^2+10\*x-1) ogf]  
A136785 5.33942 [{a(n+4)-10\*a(n+3)+27\*a(n+2)-20\*a(n+1), a(0) = 1, a(1) = 5, a(2) = 30, a(3) = 182}, ogf]  
A136785 9.84395 (-5+35\*x-81\*x^2+59\*x^3)/(x-1)/(3\*x-1)/(20\*x^3-27\*x^2+10\*x-1) lgdogf  
A136786 7.06485 -(4-26\*x+9\*x^5-13\*x^3-33\*x^4+51\*x^2)/(x-1)/(3\*x-1)/(3\*x^4+13\*x^3-22\*x^2+9\*x-1) lgdogf  
A136786 9.53415 [ (3\*x-1)\*(x-1)^2/(3\*x^4+13\*x^3-22\*x^2+9\*x-1) ogf]  
A136853 11.2013 [{-a(n+3)+10\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 3}, ogf]  
A136853 20.4546 [ -x\*(3\*x+1)/(10\*x^2-1) ogf]  
A136853 21.6421 1/10\*10^(1/2)\*(-arcsinh(3)+arcsinh(3+10\*x)) revegef  
A136853 26.5889 -(3+20\*x+30\*x^2)/(3\*x+1)/(10\*x^2-1) lgdogf  
A136859 11.2013 [{a(n+3)-10\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 4}, ogf]  
A136859 20.4546 [ -x\*(4\*x+1)/(10\*x^2-1) ogf]  
A136859 24.4898 1/4\*(-1+(1+16\*x+40\*x^2)^(1/2))/(2+5\*x) revogf  
A136859 25.8503 -4\*(1+5\*x+10\*x^2)/(4\*x+1)/(10\*x^2-1) lgdogf  
A136863 11.7738 [ -x\*(71\*x^4+900\*x^3+90\*x^2+10\*x+1)/(10\*x^2-1) ogf]  
A136863 9.92087 2\*(-5-100\*x+4500\*x^4-142\*x^3+710\*x^5-1400\*x^2)/(10\*x^2-1)/(71\*x^4+900\*x^3+90\*x^2+10\*x+1) lgdogf  
A136875 6.97424 [ -x\*(77776\*x^7+900000\*x^6+90000\*x^5+9000\*x^4+900\*x^3+90\*x^2+10\*x+1)/(10\*x^2-1) ogf]  
A136921 11.9678 [ -26\*x/(10\*x-1) ogf]  
A136921 12.9600 -1/10\*ln(13)+1/10\*ln(13+5\*x) revegef  
A136921 30.2399 -10/(10\*x-1) lgdogf  
A136921 5.08223 [{-a(n+2)+10\*a(n+1), a(0) = 0, a(1) = 26}, ogf]  
A136926 11.9678 [ -27\*x/(10\*x-1) ogf]  
A136926 12.9600 -3/10\*ln(3)+1/10\*ln(27+10\*x) revegef  
A136926 30.2399 -10/(10\*x-1) lgdogf

A136926 5.08223 [ $\{-a(n+2)+10*a(n+1), a(0) = 0, a(1) = 27\}$ , ogf]  
A136936 5.62633 [ $-2*x*(276503*x^8+27000000*x^7+2700000*x^6+270000*x^5+27000*x^4+2700*x^3+270*x^2+30*x+3)/(10*x^2-1)$  ogf]  
A136957 11.9678 [ $-64*x/(10*x-1)$  ogf]  
A136957 13.9569  $-1/2*\ln(2)+1/10*\ln(32+5*x)$  revegfg  
A136957 30.2399  $-10/(10*x-1)$  lgdogf  
A136957 5.08223 [ $\{-a(n+2)+10*a(n+1), a(0) = 0, a(1) = 64\}$ , ogf]  
A136958 10.2264 [ $\{a(n+3)-10*a(n+1), a(0) = 0, a(1) = 88, a(2) = 878\}$ , ogf]  
A136958 18.1571 [ $-2*x*(439*x+44)/(10*x^2-1)$  ogf]  
A136958 19.5489  $1/2*(-44+(1936+878*x+10*x^2)^{(1/2)})/(439+5*x)$  revogfg  
A136958 20.4582  $-(439+880*x+4390*x^2)/(439*x+44)/(10*x^2-1)$  lgdogf  
A136962 11.9678 [ $-76*x/(10*x-1)$  ogf]  
A136962 12.9600  $-1/10*\ln(38)+1/10*\ln(38+5*x)$  revegfg  
A136962 30.2399  $-10/(10*x-1)$  lgdogf  
A136962 5.08223 [ $\{-a(n+2)+10*a(n+1), a(0) = 0, a(1) = 76\}$ , ogf]  
A136965 4.38956 [ $-2*x*(90410433*x^7+364345400670*x^6+14586330*x^5+36435998700*x^4+3645058503*x^3+4048444300*x^2+404844430*x+40484443)/(10*x^3-1)$  ogf]  
A137103 4.33555 [ $2*(970*x^6-767*x^5-133*x^4-47*x^3-23*x^2-7*x+1)/(10*x-1)/(x-1)$  ogf]  
A137120 10.6775 [ $6/(10*x-1)/(x-1)$  ogf]  
A137120 13.4400  $-(-11+20*x)/(10*x-1)/(-1+x)$  lgdogf  
A137120 4.39660 [ $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 6, a(1) = 66\}$ , ogf]  
A137120 7.55997  $-1/20*(-6-11*x+(12+44*x+27*x^2)^{(1/2)}*3^{(1/2)})/x$  revogfg  
A137146 4.12543 [ $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 76, a(1) = 766\}$ , ogf]  
A137146 7.10930  $-1/20*(-76-11*x+(5776+1392*x+81*x^2)^{(1/2)})/(7+x)$  revogfg  
A137146 7.32473 [ $-2*(35*x-38)/(10*x-1)/(x-1)$  ogf]  
A137146 7.57295  $-(383-760*x+350*x^2)/(-1+x)/(35*x-38)/(10*x-1)$  lgdogf  
A137166 10.0064 [ $(x^2-x+1)/(x^4-5*x^3+6*x^2-4*x+1)$  ogf]  
A137166 9.66913  $-(-3+10*x-8*x^4+14*x^3+2*x^5-17*x^2)/(x^2-x+1)/(x^4-5*x^3+6*x^2-4*x+1)$  lgdogf  
A137171 6.24516 [ $x^3*(x^4-x^3-1)*(x^8+x^6-2*x^4+1)/(2*x^4-1)/(2*x^8-2*x^4+1)$  ogf]  
A137172 6.16627 [ $x*(16*x^{13}+8*x^{12}+16*x^{10}+8*x^9+4*x^8+2*x^7-4*x^5-6*x^4-4*x^3-3*x^2-2*x-1)/(4*x^5-1)/(2*x^5-1)$  ogf]  
A137173 12.0821 [ $-x*(3*x^2-x-1)/(2*x-1)/(2*x+1)/(2*x^2-1)$  ogf]  
A137173 9.95110  $-(1+6*x-24*x^4+48*x^5-32*x^3+6*x^2)/(2*x+1)/(2*x-1)/(2*x^2-1)/(3*x^2-x-1)$  lgdogf  
A137195 5.88269 [ $(x^3+x^2-3*x-1)^2/(x^2+2*x-1)^2/(x^2-2*x-1)^2$  ogf]  
A137195 7.77871  $-2*(3+10*x+15*x^2-4*x^3-3*x^4+2*x^5+x^6)/(x^2+2*x-1)/(x^2-2*x-1)/(x^3+x^2-3*x-1)$  lgdogf  
A137199 12.7720 [ $(3*x^2-1)/(x+1)/(x^2+2*x-1)$  ogf]  
A137199 15.8727  $-(-1+3*x^4-6*x^2)/(x+1)/(3*x^2-1)/(x^2+2*x-1)$  lgdogf  
A137199 6.50005 [ $\{-a(n+3)+a(n+2)+3*a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
A137200 13.6555  $-(1+2*x+2*x^5-3*x^4+8*x^3-x^2)/(x^2+x+1)/(x^2-x+1)/(x^4+x-1)$  lgdogf  
A137200 14.6429 [ $-(x^2+x+1)*(x^2-x+1)/(x^4+x-1)$  ogf]  
A137206 10.1872  $1/14*7^{(1/2)}*14^{(1/2)}*(\operatorname{arcsinh}(1/7*7^{(1/2)})+\operatorname{arcsinh}(1/7*7^{(1/2)}*(-1+2*x)))$  revegfg  
A137206 15.3494 [ $x*(x-2)/(2*x^2-1)$  ogf]  
A137206 25.1285  $-(1-8*x+2*x^2)/(x-2)/(2*x^2-1)$  lgdogf  
A137206 8.32198 [ $\{a(n+3)-2*a(n+1), a(0) = 0, a(1) = 2, a(2) = -1\}$ , ogf]  
A137208 13.0649 [ $-(5*x^2-x-2)/(2*x-1)/(2*x+1)/(x-1)$  ogf]  
A137208 7.11569 [ $\{-a(n+3)+a(n+2)+4*a(n+1)-4*a(n), a(0) = 2, a(1) = 3, a(2) = 6\}$ , ogf]  
A137212 14.5749 [ $x^2/(3*x-1)/(x^2+2*x-1)$  ogf]  
A137212 18.0356  $-(-5+10*x+9*x^2)/(3*x-1)/(x^2+2*x-1)$  lgdogf

A137212 5.96247 [ $\{-a(n+3)+5*a(n+2)-5*a(n+1)-3*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A137213 11.2033 [  $-(x-1)*x/(3*x-1)/(x^2+2*x-1)$  ogf]  
A137213 13.1003  $-2*(2-5*x-2*x^2+3*x^3)/(x-1)/(3*x-1)/(x^2+2*x-1)$  lgdogf  
A137213 5.75305 [ $\{a(n+3)-5*a(n+2)+5*a(n+1)+3*a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A137215 3.84809 [  $-(100*x^5-850*x^4+1002*x^3-478*x^2+67*x-3)/(10*x-1)^3/(x-1)^3$  ogf]  
A137221 13.7360 [  $x^3/(x^2-x+1)/(2*x-1)^2$  ogf]  
A137221 20.9259  $-(5-8*x+8*x^2)/(2*x-1)/(x^2-x+1)$  lgdogf  
A137221 3.48737 [ $\{(2*n+4)*a(n+1)+(-3*n-5)*a(n+2)+(3*n+5)*a(n+3)+(-n-1)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A137223 5.47937 [ $\{-a(n+3)-a(n+2)+64*a(n+1)+64*a(n), a(0) = 3, a(1) = 18, a(2) = 234\}$ , ogf]  
A137223 8.73755  $-2*(3+84*x+640*x^4+448*x^3+330*x^2)/(8*x+1)/(8*x-1)/(x+1)/(20*x^2+7*x+1)$  lgdogf  
A137223 9.86286 [  $-3*(20*x^2+7*x+1)/(8*x-1)/(8*x+1)/(x+1)$  ogf]  
A137224 6.78297 [  $-x*(x^5+x^4+2*x^3-2*x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A137229 14.1564 [  $1/(x-1)/(x^3-2*x^2+3*x-1)$  ogf]  
A137229 14.7868  $-(4+10*x-9*x^2+4*x^3)/(x-1)/(x^3-2*x^2+3*x-1)$  lgdogf  
A137232 18.0857 [  $-x^2/(3*x+1)/(x^2+2*x-1)$  ogf]  
A137232 23.7518  $-(-1+14*x+9*x^2)/(3*x+1)/(x^2+2*x-1)$  lgdogf  
A137232 7.39869 [ $\{-a(n+3)-a(n+2)+7*a(n+1)+3*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A137233 14.6040 [  $5*(x-1)/(10*x-1)$  ogf]  
A137233 15.9820  $1/2+x-1/10*(25+80*x+100*x^2)^{(1/2)}$  revogf  
A137233 33.9618  $9/(10*x-1)/(x-1)$  lgdogf  
A137233 7.49934 [ $\{a(n+2)-10*a(n+1), a(0) = 5, a(1) = 45\}$ , ogf]  
A137234 13.4692 [  $-1/(x^3-2*x^2+3*x-1)/(x-1)^2$  ogf]  
A137234 14.9021  $-(-5+13*x+5*x^3-11*x^2)/(x-1)/(x^3-2*x^2+3*x-1)$  lgdogf  
A137235 17.2163 [  $-(5*x-6)/(x+1)/(x-1)^2$  ogf]  
A137235 24.1959  $-(-1-13*x+10*x^2)/(x-1)/(5*x-6)/(x+1)$  lgdogf  
A137235 8.14699 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 6, a(1) = 1, a(2) = 7\}$ , ogf]  
A137241 10.9249  $-2*(-1-x+4*x^6-2*x^4+6*x^5+3*x^3-3*x^2)/(x-1)/(x^2+x+1)/(4*x^4+4*x^3-x^2-2*x-3)$  lgdogf  
A137241 9.19547 [  $-x*(4*x^4+4*x^3-x^2-2*x-3)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A137246 12.2038 [  $(2*x-1)*(x-1)/(3*x^2-20*x+1)$  ogf]  
A137246 14.0748  $-(-17+2*x+31*x^2)/(x-1)/(2*x-1)/(3*x^2-20*x+1)$  lgdogf  
A137246 6.21702 [ $\{-a(n+3)+20*a(n+2)-3*a(n+1), a(0) = 1, a(1) = 17, a(2) = 339\}$ , ogf]  
A137247 14.2873  $-2*(-2+6*x-9*x^2+6*x^3)/(x-1)/(3*x^3-3*x^2+3*x-1)$  lgdogf  
A137247 14.3581 [  $x^3/(x-1)/(3*x^3-3*x^2+3*x-1)$  ogf]  
A137249 8.65877 [  $-(x^3+x^2-2*x+2)/(x+1)/(x^3-2*x^2+3*x-1)$  ogf]  
A137255 10.0197 [  $-(2*x^3+4*x^2-1)/(3*x^2-1)/(x^2+2*x-1)$  ogf]  
A137255 9.44347  $-2*(1+3*x^6+16*x^4-2*x^3+12*x^5-8*x^2)/(x^2+2*x-1)/(2*x^3+4*x^2-1)/(3*x^2-1)$  lgdogf  
A137256 11.1515 [  $-(x^2-x+1)/(3*x^3-3*x^2+3*x-1)$  ogf]  
A137256 11.9042  $-(-2-4*x+3*x^4-6*x^3+9*x^2)/(3*x^3-3*x^2+3*x-1)/(x^2-x+1)$  lgdogf  
A137256 6.07357 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-3*a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A137261 9.16351 [  $(5764801*x^8-5764801*x^7+28812*x^4-28812*x^3+840*x-1200)/(x-1)$  ogf]  
A137280 13.3945 [  $-(7*x+1)/(7*x^2+3*x-1)$  ogf]  
A137280 14.3997  $1/14*(-1-3*x+(37*x^2+1+34*x)^{(1/2)})/(1+x)$  revogf  
A137280 15.1382  $-(10+14*x+49*x^2)/(7*x+1)/(7*x^2+3*x-1)$  lgdogf  
A137280 7.26208 [ $\{a(n+2)-3*a(n+1)-7*a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A137282 7.87273 [  $-(5*x^10+5*x^9+7*x^7+5*x^6+7*x^5+3*x^4+7*x^3+4*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A137318 4.54878 [  $(100*x^4+200*x^3+83*x^2+20*x+1)/(10*x-1)/(x-1)/(100*x^2+1)/(x^2+1)$  ogf]  
A137329 13.9608  $-(-3-2*x+8*x^5+32*x^3+36*x^4)/(x+2)/(x+1)/(2*x^2+2*x+1)/$



$(2*x^2-2*x+1)$  lgdogf  
A137329 16.1724 [  $x*(x+2)*(x+1)/(2*x^2-2*x+1)/(2*x^2+2*x+1)$  ogf]  
A137344 3.31566 [  $-3*(3*x+1)/(2*x-1)/(2*x+1)$  ogf]  
A137356 11.9220 [  $-(x-1)^2/(x^5+x^3-3*x^2+3*x-1)$  ogf]  
A137356 13.6926  $-(-1+3*x+3*x^5-5*x^4+x^3-3*x^2)/(x-1)/(x^5+x^3-3*x^2+3*x-1)$   
lgdogf  
A137357 12.2307 [  $(x-1)*x/(x^5+x^3-3*x^2+3*x-1)$  ogf]  
A137357 12.8525  $-(-2+6*x+4*x^5-5*x^4+2*x^3-6*x^2)/(x-1)/(x^5+x^3-3*x^2+3*x-1)$   
lgdogf  
A137358 15.4146 [  $-x^2/(x^5+x^3-3*x^2+3*x-1)$  ogf]  
A137358 18.8290  $-(3-6*x+5*x^4+3*x^2)/(-3*x^2-1+3*x+x^5+x^3)$  lgdogf  
A137359 12.7934  $-2*(-2+6*x+4*x^5-5*x^4+2*x^3-6*x^2)/(x-1)/(x^5+x^3-3*x^2+3*x-1)$   
lgdogf  
A137359 6.63074 [  $x^5*(x-1)^2/(x^5+x^3-3*x^2+3*x-1)^2$  ogf]  
A137360 12.5935  $-(-5+15*x+9*x^5-10*x^4+5*x^3-15*x^2)/(x-1)/(x^5+x^3-3*x^2+3*x-1)$   
lgdogf  
A137360 7.06775 [  $-x^6*(x-1)/(x^5+x^3-3*x^2+3*x-1)^2$  ogf]  
A137361 18.3178  $-2*(3-6*x+5*x^4+3*x^2)/(-3*x^2-1+3*x+x^5+x^3)$  lgdogf  
A137361 8.74527 [  $x^7/(x^5+x^3-3*x^2+3*x-1)^2$  ogf]  
A137392 6.61495  $2*(1+5*x+21*x^6+9*x^5-26*x^3+6*x^7-30*x^4+3*x^2)/(1+x)/$   
 $(x^2+x-1)/(6*x^5+12*x^4+2*x^3-4*x^2+x-1)$  lgdogf  
A137392 7.98039 [  $-(11*x^2+10*x-9)/(x^2+x-1)^2$  ogf]  
A137399 10.6290  $-(2+4*x+4*x^6+16*x^5+24*x^4+16*x^3+3*x^2)/(x+1)/(1+x^2+x)/$   
 $(2*x^2-1)/(1+2*x^2)$  lgdogf  
A137399 14.6256 [  $-(x+1)*(x^2+x+1)/(2*x^2-1)/(2*x^2+1)$  ogf]  
A137402 8.96708  $-(1-2*x+x^8-2*x^7+5*x^6-2*x^5-5*x^4+6*x^3)/(x^4-x^3+2*x^2-2*x$   
 $+1)/(x^5+x^3-3*x^2+3*x-1)$  lgdogf  
A137402 9.24375 [  $-(x^4-x^3+2*x^2-2*x+1)/(x^5+x^3-3*x^2+3*x-1)$  ogf]  
A137403 3.96383 [  $-(10*x^14+10*x^13+15*x^12+5*x^11-3*x^10+2*x^9-x^8+x^7-x^4-$   
 $x^3+2*x^2+x+2)/(x-1)/(5*x^12+1)$  ogf]  
A137410 10.0832 [  $\{-a(n+2)+6*a(n+1)-5*a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
A137410 18.5980 [  $(5*x+1)/(5*x-1)/(x-1)$  ogf]  
A137410 7.45959  $-1/10*(-1-6*x+(1+32*x+16*x^2)^(1/2))/(x-1)$  revogf  
A137410 7.64153  $-(-11+10*x+25*x^2)/(-1+x)/(5*x+1)/(5*x-1)$  lgdogf  
A137426 14.5693 [  $x*(2*x-1)/(x-1)/(2*x^2+2*x+1)$  ogf]  
A137426 17.2763  $-(3+8*x^3-6*x^2)/(-1+x)/(2*x-1)/(2*x^2+2*x+1)$  lgdogf  
A137426 7.67629 [  $\{-a(n+3)-a(n+2)+2*a(n), a(0) = 0, a(1) = 1, a(2) = -3\}$ , ogf]  
A137429 18.1373 [  $-(2*x-1)/(2*x^2+2*x+1)$  ogf]  
A137429 22.0030  $-1/4*(-1+2*x+(1-12*x-4*x^2)^(1/2))/(1+x)$  revogf  
A137429 9.95341 [  $\{a(n+2)+2*a(n+1)+2*a(n), a(0) = 1, a(1) = -4\}$ , ogf]  
A137444 16.5873 [  $(2*x+1)/(2*x^2-2*x+1)$  ogf]  
A137444 20.1461  $-1/4*(-1-2*x+(1+12*x-4*x^2)^(1/2))/(x-1)$  revogf  
A137444 23.0241  $-4*(-1+x+x^2)/(2*x+1)/(2*x^2-2*x+1)$  lgdogf  
A137444 9.10278 [  $\{-a(n+2)+2*a(n+1)-2*a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A137445 14.8985 [  $-(4*x-3)/(2*x^2-2*x+1)$  ogf]  
A137445 18.6935  $-1/4*(-3-2*x+(9-4*x-4*x^2)^(1/2))/(2+x)$  revogf  
A137445 19.1855  $-2*(1-6*x+4*x^2)/(4*x-3)/(2*x^2-2*x+1)$  lgdogf  
A137445 8.17599 [  $\{a(n+2)-2*a(n+1)+2*a(n), a(0) = 3, a(1) = 2\}$ , ogf]  
A137447 12.8694 [  $-(2*x+1)*(6*x^2-2*x-1)/(2*x^2-1)/(2*x^2+1)$  ogf]  
A137447 9.75371  $-4*(-1+x+12*x^6+4*x^5-12*x^4-4*x^3+9*x^2)/(2*x+1)/(6*x^2-2*x-1)/$   
 $(2*x^2-1)/(1+2*x^2)$  lgdogf  
A137453 5.85757 [ -  
 $(76*x^13-76*x^12-48*x^11+72*x^10-20*x^9+38*x^8+6*x^7+16*x^6+14*x^5+2*x^4+8*x^3-2$   
 $*x^2+7*x+2)/(x-1)$  ogf]  
A137466 13.1611 [  $(20*x+1)/(100*x-1)/(x-1)$  ogf]  
A137466 13.2087  $-1/40*(-1-101*x+(1+282*x+9801*x^2)^(1/2))/(5*x-1)$  revogf  
A137466 13.4838  $-(-121+200*x+2000*x^2)/(-1+x)/(100*x-1)/(20*x+1)$  lgdogf  
A137466 7.47791 [  $\{-a(n+2)+101*a(n+1)-100*a(n), a(0) = 1, a(1) = 121\}$ , ogf]  
A137470 13.5145 [  $-(2*x+1)/(x-1)/(2*x^2+2*x+1)$  ogf]  
A137470 15.0706  $-(1+8*x^3+6*x^2)/(x-1)/(1+2*x)/(2*x^2+2*x+1)$  lgdogf  
A137470 6.46969 [  $\{-a(n+3)-a(n+2)+2*a(n), a(0) = 1, a(1) = 1, a(2) = -1\}$ , ogf]

A137480 11.5507 [ $\{-a(n+2)+4*a(n), a(0) = 12, a(1) = 21\}$ , ogf]  
A137480 17.7290 [ $-3*(7*x+4)/(2*x-1)/(2*x+1)$  ogf]  
A137482 10.1299  $3-3*x+3*x^3+3*x^2+(-2-x+x^3+4*x^2)*f(x)+(-1+x^2)*f(x)^2$  lgdegf  
A137482 3.31158 [ $\{(n^2+6*n+8)*a(n+1)-a(n+2)+(n+3)*a(n+3)-a(n+4), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 2\}$ , ogf]  
A137483 15.6859 [ $-2*(4*x-1)/(9*x-1)/(x-1)$  ogf]  
A137483 8.58989 [ $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 2, a(1) = 12\}$ , ogf]  
A137495 16.2662 [ $(x-2)/(x^3-x^2+2*x-1)$  ogf]  
A137495 21.1890  $-(x-3)*(2*x^2-x+1)/(x-2)/(x^3-x^2+2*x-1)$  lgdogf  
A137495 7.69740 [ $\{a(n+3)-2*a(n+2)+a(n+1)-a(n), a(0) = 2, a(1) = 3, a(2) = 4\}$ , ogf]  
A137501 20.7240 [ $-2*x^2/(x-1)/(x+1)^2$  ogf]  
A137501 44.2704 [ $[-1+2*x]$  ogf\_with\_Euler\_transform]  
A137501 53.9686  $-(3*x-1)/(x-1)/(x+1)$  lgdogf  
A137501 8.47798 [ $\{-a(n+3)-a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A137505 16.5953 [ $-(x+1)^2/(x-1)/(2*x^2+2*x+1)$  ogf]  
A137505 21.7588  $-(1+x+6*x^2+2*x^3)/(x-1)/(x+1)/(2*x^2+2*x+1)$  lgdogf  
A137505 9.45754 [ $\{-a(n+3)-a(n+2)+2*a(n), a(0) = 1, a(1) = 1, a(2) = 0\}$ , ogf]  
A137506 7.21557 [ $(22*x^9+26*x^7-83*x^5-17*x^4-24*x^3+124*x^2+59*x+141)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A137517 10.4002 [ $-(12*x-11)*(10*x-11)/(x-1)^3$  ogf]  
A137517 17.0498  $-(121-244*x+120*x^2)/(-1+x)/(12*x-11)/(10*x-11)$  lgdogf  
A137517 5.90522 [ $\{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 121, a(1) = 121, a(2) = 120\}$ , ogf]  
A137529 4.54007 [ $-(2*x+1)*(2*x^2+x+1)/(8*x^4-1)$  ogf]  
A137531 14.8374 [ $-(x+1)/(x^3-2*x^2+3*x-1)$  ogf]  
A137531 15.3059  $-(x+2)*(2*x^2-3*x+2)/(x+1)/(x^3-2*x^2+3*x-1)$  lgdogf  
A137531 6.95915 [ $\{-a(n+3)+3*a(n+2)-2*a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 10\}$ , ogf]  
A137566 11.3433 [ $-(x^3-x-1)/(x^4+x^3-x-1)$  ogf\_with\_Euler\_transform]  
A137569 16.1112 [ $-(-x-1)/(x^3-1)$  ogf\_with\_Euler\_transform]  
A137575 10.8972 [ $-(14*x^28+10*x^10+6*x^2+x+1)/(x-1)$  ogf]  
A137575 8.33667  $2*(-1-6*x-50*x^9+45*x^10+3*x^2-196*x^27+189*x^28)/(x-1)/(14*x^28+10*x^10+6*x^2+x+1)$  lgdogf  
A137584 8.58498 [ $-x*(17*x^5-27*x^4+40*x^3+x^2-3*x+3)/(x^3-2*x^2+3*x-1)$  ogf]  
A137591 3.56174 [ $\{(-2*n^3-6*n^2-4*n)*a(n)+(2*n^3+18*n^2+40*n+24)*a(n+1)+(-4*n^2-23*n-31)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 6\}$ , ogf]  
A137591 33.0833  $-1/(-1+x)/(2*x^2-4*x+1)$  lgdegf  
A137591 36.2341  $1-(1-2*x+2*x^2)^{(1/2)}$  revogf  
A137635 16.2280  $-2*(x+1)*(1+3*x)/(8*x^2-1+4*x+4*x^3)$  lgdogf  
A137667 5.27707 [ $x*(92*x^10+2*x^9-98*x^8+2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(x-1)/(x+1)/(10*x^4-1)/(10*x^4+1)$  ogf]  
A137676 6.60243 [ $-(x^6+x^3+1)/(x^8+x^7+x^6+x^5-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A137677 6.14319 [ $-(x^4+x^3+x^2)/(x^8+x^7+x^6+x^5-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A137685 12.2584 [ $-(x^5+2*x^4+2*x^3+2*x+2)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A137693 4.57850 [ $\{a(n+3)-1155*a(n+2)+1155*a(n+1)-a(n), a(0) = 7, a(1) = 7887, a(2) = 9101399\}$ , ogf]  
A137693 8.42709 [ $(x^2+198*x-7)/(x-1)/(x^2-1154*x+1)$  ogf]  
A137694 4.51980 [ $\{-a(n+3)+1155*a(n+2)-1155*a(n+1)+a(n), a(0) = 5, a(1) = 5577, a(2) = 6435661\}$ , ogf]  
A137694 8.31904 [ $-(x^2-198*x+5)/(x-1)/(x^2-1154*x+1)$  ogf]  
A137697 5.63377  $-1/18+8/9*x-8/9*x^2+1/18*(-(-1-8*x+8*x^2)*(-1+2*x)^2)^{(1/2)}$  revogf  
A137717 13.8316 [ $-(2*x-1)/(4*x^2+2*x+1)$  ogf]  
A137717 14.9495  $-1/4*(-1+2*x+(1-12*x-12*x^2)^{(1/2)})/(1+2*x)$  revogf  
A137717 16.4827  $-4*(-1-2*x+2*x^2)/(2*x-1)/(4*x^2+2*x+1)$  lgdogf  
A137717 7.59049 [ $\{a(n+2)+2*a(n+1)+4*a(n), a(0) = 1, a(1) = -4\}$ , ogf]

A137718 8.44175  $-4*(-1+x+4*x^6-8*x^5+10*x^4-4*x^3-x^2)/(4*x^3-4*x^2+4*x-1)/(4*x^4+2*x^2+1)$  lgdogf  
A137718 9.16618  $[-(4*x^3-4*x^2+4*x-1)/(4*x^4+2*x^2+1)$  ogf]  
A137719 11.9656  $-(2*x+1)*(2*x^3+6*x^2+3*x+1)/(x-1)/(x+2)/(x+1)/(x^2+x+1)$  lgdogf  
A137719 13.1882  $[x*(x+2)/(x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A137720 23.3464  $-(6*x-1)/(-1+4*x)/(-1+3*x)$  lgdogf  
A137720 3.61425  $[{(n+3)*a(n+3)+(-15-7*n)*a(n+2)+(18+12*n)*a(n+1), a(0) = 1, a(1) = 1, a(2) = 1}$ , ogf]  
A137725 7.64353  $(2+10*x+13*x^5+x^8-6*x^6-19*x^2-x^{10}-11*x^3+9*x^4+x^{11}-3*x^9+12*x^7)/(x-1)/(x+1)/(x^3+x-1)/(x^7+2*x^5-4*x^4-5*x^3+4*x^2-2*x+2)$  lgdogf  
A137725 9.59129  $[-2*(x^7+2*x^5-4*x^4-5*x^3+4*x^2-2*x+2)/(x+1)/(x^3+x-1)/(x-1)^2$  ogf]  
A137726 7.22057  $(2+10*x+x^{11}+13*x^5+12*x^7+x^8-6*x^6-19*x^2-11*x^3+9*x^4-3*x^9-x^{10})/(x-1)/(x+1)/(x^3+x-1)/(x^7+2*x^5-4*x^4-5*x^3+4*x^2-2*x+2)$  lgdogf  
A137726 9.15859  $[-(x^7+2*x^5-4*x^4-5*x^3+4*x^2-2*x+2)/(x+1)/(x^3+x-1)/(x-1)^2$  ogf]  
A137739 4.91094  $[(x^{10}+3*x^9-6*x^8-26*x^7+221*x^5-370*x^4+162*x^3+72*x^2-57*x-1)/(x-1)^7$  ogf]  
A137740 5.76211  $[(x^8+2*x^7-7*x^6-20*x^5+57*x^4-20*x^3-39*x^2+26*x+1)/(x-1)^6$  ogf]  
A137741 7.14925  $[(x^6+x^5-8*x^4+x^3+16*x^2-11*x-1)/(x-1)^5$  ogf]  
A137741 9.91387  $(16+12*x+x^6-6*x^5+3*x^4+30*x^3-51*x^2)/(-1+x)/(x^6+x^5-8*x^4+x^3+16*x^2-11*x-1)$  lgdogf  
A137742 10.9887  $[(x^4-5*x^2+4*x+1)/(x-1)^4$  ogf]  
A137742 18.4626  $-2*(4+x+2*x^3-5*x^2)/(-1+x)/(x^4-5*x^2+4*x+1)$  lgdogf  
A137775 4.14447  $[{(3*n+6)*a(n+1)+(n+2)*a(n+2)-a(n+3), a(0) = 1, a(1) = 0, a(2) = 3}$ , ogf]  
A137775 54.2227  $-3*x/(x-1)$  lgdegf  
A137786 12.0652  $[(14*x^2-8*x+1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A137786 6.77342  $[{a(n+3)-9*a(n+2)+26*a(n+1)-24*a(n), a(0) = -1, a(1) = -1, a(2) = 3}$ , ogf]  
A137787 8.40175  $[2*(53*x^3-45*x^2+12*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A137788 6.88143  $[2*(1080*x^4-1164*x^3+444*x^2-71*x+4)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A137789 4.23791  $[(488880*x^5-572076*x^4+231460*x^3-36445*x^2+1178*x+127)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A137790 3.79167  $[(23345280*x^6-29177136*x^5+12543396*x^4-1855156*x^3-112345*x^2+54310*x-3761)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A137797 6.80150  $-(2+12*x+38*x^6+28*x^5+30*x^7+10*x^4+6*x^3+9*x^8+15*x^2)/(x-1)/(x+1)/(3*x^3+6*x^2+4*x+2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A137797 8.62081  $[-2*x*(3*x^3+6*x^2+4*x+2)/(x^4+x^3+x^2+x+1)/(x-1)/(x+1)$  ogf]  
A137798 10.6198  $[2*x^2*(3*x^3+6*x^2+4*x+2)/(x^4+x^3+x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A137798 7.98676  $-(4+20*x+60*x^6+40*x^4+33*x^3+56*x^5+33*x^2+42*x^7+12*x^8)/(x-1)/(x+1)/(3*x^3+6*x^2+4*x+2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A137823 8.35118  $[-(9*x^5+12*x^4+3*x^3-3*x^2-2*x-1)/(x-1)/(9*x^3-1)/(x^2+x+1)$  ogf]  
A137824 14.0607  $-(3+4*x+8*x^4+24*x^3+12*x^2)/(1+2*x)/(x+1)/(4*x^3-1)$  lgdogf  
A137824 15.2185  $[-(x+1)*(2*x+1)/(4*x^3-1)$  ogf]  
A137824 9.81192  $[{a(n+3)-4*a(n), a(0) = 1, a(1) = 3, a(2) = 2}$ , ogf]  
A137828 12.1118  $[-(x^3-2*x^2+3*x-2)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A137829 13.3577  $[-(x^2-x-2)/(-x^3+x^2-x+1)$  ogf\_with\_Euler\_transform]  
A137830 10.9182  $[-(x^3+2*x^2+x+2)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A137842 14.2914  $-1/2*(-4-x+(x^2*(4*x+1))^{1/2})/(2+2*x+x^2)*x$  revogf  
A137864 13.9185  $-(3-8*x+6*x^2+96*x^3+23*x^4)/(x-1)/(23*x^4+2*x^3-2*x+1)$  lgdogf  
A137864 8.86317  $[-(23*x^4+2*x^3-2*x+1)/(x-1)^5$  ogf]  
A137878 5.37313  $[-(x^4+17688*x^3+128214*x^2+17688*x+1)/(x-1)/(x^2-482*x+1)/(x^2+482*x+1)$  ogf]  
A137879 6.31570  $[-(133-1230*x+x^6+266*x^5+881*x^4+4*x^3-64109*x^2)/(x+1)/(x^2-22*x+1)/(x^2+22*x+1)/(x^2+132*x+1)$  lgdogf

A137879 8.69915 [  $(x+1)*(x^2+132*x+1)/(x^2-22*x+1)/(x^2+22*x+1)$  ogf]  
A137880 6.81097 [  $-(x^4+48*x^3-306*x^2+48*x+1)/(x-1)/(x^2-22*x+1)/(x^2+22*x+1)$  ogf]  
A137881 10.7447  $-(7+30*x+x^6+14*x^5+151*x^2-4*x^3+x^4)/(x-1)/(x^2+8*x+1)/(x^4-22*x^2+1)$  lgdogf  
A137881 11.7538 [  $-(x-1)*(x^2+8*x+1)/(x^4-22*x^2+1)$  ogf]  
A137882 17.2330 [  $-2*(x^3-x^2+x+1)/(x-1)^3$  ogf]  
A137882 39.0835  $-2*(2+x^2)/(x-1)/(x^3-x^2+x+1)$  lgdogf  
A137882 8.87373 [  $\{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 2, a(1) = 8, a(2) = 16, a(3) = 28\}$ , ogf]  
A137883 7.36043 [  $-8*(3*x^5-5*x^4-5*x^3+10*x^2-9)/(x+1)^2/(x-1)^4$  ogf]  
A137883 9.35285  $-(-18-34*x+3*x^6-4*x^5-10*x^4+10*x^3+5*x^2)/(-1+x)/(x+1)/(3*x^5-5*x^4-5*x^3+10*x^2-9)$  lgdogf  
A137885 11.2117 [  $-48*(4*x^2-6*x+3)/(2*x-1)^3$  ogf]  
A137885 6.35329 [  $\{a(n+3)-6*a(n+2)+12*a(n+1)-8*a(n), a(0) = 144, a(1) = 576, a(2) = 1920\}$ , ogf]  
A137889 7.81912 [  $-6*(60*x^3-67*x^2+18*x-1)/(x-1)/(4*x-1)/(3*x-1)/(16*x-1)$  ogf]  
A137904 8.44194 [  $-(32*x^29-32*x^28+18*x^11-18*x^10+8*x^3-8*x^2-1)/(x-1)^2$  ogf]  
A137913 6.94879  $2*(2+234*x^25-459*x^26+225*x^27-x+32*x^7-60*x^8+28*x^9)/(x-1)/(18*x^27-18*x^26+8*x^9-8*x^8+2*x-3)$  lgdogf  
A137913 8.52191 [  $-(18*x^27-18*x^26+8*x^9-8*x^8+2*x-3)/(x-1)^2$  ogf]  
A137928 15.7419 [  $-2*(x^2+1)/(x+1)/(x-1)^3$  ogf]  
A137928 23.1949  $-2*(1+3*x+x^2+x^3)/(x-1)/(x+1)/(1+x^2)$  lgdogf  
A137928 30.7924 [  $[-x^3+2*x+2]$  ogf\_with\_Euler\_transform]  
A137930 14.3060  $-2*(5+10*x+3*x^4+14*x^2)/(x-1)/(x+1)/(3*x^3-3*x^2+7*x+1)$  lgdogf  
A137930 9.12830 [  $x*(3*x^3-3*x^2+7*x+1)/(x+1)/(x-1)^4$  ogf]  
A137931 10.9907 [  $2*x*(3*x+5)*(x+1)/(x-1)^4$  ogf]  
A137931 21.4029  $-2*(14+15*x+3*x^2)/(3*x+5)/(x-1)/(x+1)$  lgdogf  
A137931 4.08070 [  $\{(15+5*n)*a(n+4)+(-22+3*n)*a(n+3)+(-35-5*n)*a(n+2)+(-6-3*n)*a(n+1), a(0) = 0, a(1) = 10, a(2) = 56, a(3) = 170\}$ , ogf]  
A137932 20.1257 [  $-4*x^3/(x+1)/(x-1)^3$  ogf]  
A137932 40.9841  $-2*(2*x+1)/(x-1)/(x+1)$  lgdogf  
A137932 42.9290 [  $[2+x]$  ogf\_with\_Euler\_transform]  
A137932 6.70857 [  $\{-n*a(n+3)+2*a(n+2)+(n+2)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 4\}$ , ogf]  
A137933 10.9382 [  $-2*(x^4+2*x^3+6*x^2+2*x+1)/(x-1)^3/(x+1)^3$  ogf]  
A137933 12.7699  $-2*(1+9*x+x^5+3*x^4+14*x^3+8*x^2)/(x-1)/(x+1)/(x^4+2*x^3+6*x^2+2*x+1)$  lgdogf  
A137933 6.69351 [  $\{(n^2+8*n+16)*a(n+1)+(-n^2-4*n-4)*a(n+3), a(0) = 2, a(1) = 4, a(2) = 18\}$ , ogf]  
A137934 10.7512  $-(1+2*x+3*x^8+5*x^6+6*x^5+4*x^3+2*x^9+4*x^7+3*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A137934 15.4472 [  $-2*(x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A137934 30.3700 [  $[x^5-x^4+1]$  ogf\_with\_Euler\_transform]  
A137935 10.7486 [  $x*(31*x^4+5*x^3+5*x^2+5*x+5)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A137935 7.83113  $-2*(5+10*x+31*x^8+28*x^6+33*x^5+38*x^4+72*x^3+23*x^7+15*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(31*x^4+5*x^3+5*x^2+5*x+5)$  lgdogf  
A137936 11.1623 [  $-x*(19*x^4-5*x^3-5*x^2-5*x-5)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A137936 8.27849  $-2*(-5-10*x+28*x^3-13*x^4-8*x^5-3*x^6+2*x^7+19*x^8-15*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(19*x^4-5*x^3-5*x^2-5*x-5)$  lgdogf  
A137937 7.73875 [  $-x^2*(18*x^27-18*x^26+8*x^9-8*x^8+2*x-3)/(x-1)^2$  ogf]  
A137947 5.46117  $(-13+756*x^8-864*x^7-114048*x^12+114048*x^13-10368*x^11)/(-1+x)/(9504*x^13+864*x^12+108*x^8+10*x+3)$  lgdogf  
A137947 7.81011 [  $-(9504*x^13+864*x^12+108*x^8+10*x+3)/(x-1)$  ogf]  
A137976 3.15112 [  $-(x^3+x^2+13*x+3)/(x^4+11*x^2-1)$  ogf]  
A137979 15.7348 [  $(x^103+x^102-1)/(x^102+x-1)$  ogf]  
A137979 23.7238  $(-1+104*x^101+104*x^102)/(-1+x+104*x^101)$  lgdogf  
A137979 76.0965 [  $[1]$  ogf\_with\_Euler\_transform]  
A138003 11.9361  $-(2*x-1)*(x^2+1)*(x^2-2*x+2)/(x^2-x+1)/(x^4-2*x^3+4*x^2-3*x+1)$  lgdogf  
A138003 9.71639 [  $(x^2-x+1)/(x^4-2*x^3+4*x^2-3*x+1)$  ogf]

A138014 34.6844  $\exp(x)-\exp(x^2)$  revogf  
A138017 4.91870  $[-(6*x^2-1)/(3*x-1)/(2*x^2-1)$  ogf]  
A138017 6.10919  $-(3-8*x+36*x^4)/(-1+3*x)/(6*x^2-1)/(2*x^2-1)$  lgdogf  
A138019 10.8015  $[(x+1)*(x^2+x+1)/(x^4+x^3+x^2+x+1)$  ogf]  
A138019 16.6838  $-(-1-2*x+4*x^5+x^6+6*x^3+7*x^4)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A138019 22.4292  $[[x^4-x^2-x+1]$  ogf\_with\_Euler\_transform]  
A138020 5.45306  $x*(-1+11*x^2+77*x^6-44*x^4-55*x^8+11*x^{10})/(1+2*x)/(x^5+3*x^4-3*x^3-4*x^2+x+1)/(x^5-3*x^4-3*x^3+4*x^2+x-1)$  revogf  
A138034 20.2305  $[(3*x^2+1)/(x^2-x+1)$  ogf]  
A138034 34.5723  $-(-1-4*x+3*x^2)/(x^2-x+1)/(3*x^2+1)$  lgdogf  
A138034 9.71856  $[-a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 3],$  ogf]  
A138035 9.23183  $-1/41*(-3600-41*x-3742*x^2+60*(3600+7320*x^2+3885*x^4)^{(1/2)})/x$  lgdegf  
A138041 12.8546  $[-(6*x+1)/(6*x^2+4*x-1)$  ogf]  
A138041 13.8117  $1/12*(-4*x-1+(40*x^2+32*x+1)^{(1/2)})/(1+x)$  revogf  
A138041 14.5200  $-2*(5+6*x+18*x^2)/(6*x+1)/(6*x^2+4*x-1)$  lgdogf  
A138041 6.96939  $[{a(n+2)-4*a(n+1)-6*a(n), a(0) = 1, a(1) = 10},$  ogf]  
A138053 4.16396  $[-x*(19440*x^4+2160*x^3-2304*x^2-150*x+55)/(6*x-1)/(15*x-1)/(3*x+1)/(6*x+1)/(12*x^2-1)$  ogf]  
A138055 7.93034  $[-(5*x^6+4*x^5-3*x^4+6*x^3+3*x^2+2*x+1)/(x-1)/(x^2+1)/(x^4+1)$  ogf]  
A138100 7.58531  $[-(18*x^{29}-18*x^{28}+8*x^{11}-8*x^{10}+2*x^3-2*x^2-1)/(x-1)^2$  ogf]  
A138101 8.18868  $[-(32*x^{29}-32*x^{28}+18*x^{11}-18*x^{10}+8*x^3-8*x^2+2*x-3)/(x-1)^2$  ogf]  
A138102 11.6118  $[-2*(x^2+1)*(7*x^{26}-7*x^{24}+7*x^{22}-7*x^{20}+7*x^{18}-7*x^{16}+7*x^{14}-7*x^{12}+7*x^{10}-2*x^8+2*x^6-2*x^4+2*x^2+1)/(x-1)$  ogf]  
A138110 4.86609  $[-x^3*(x-1)*(x^{14}+x^{12}+2*x^{10}-x^9+x^8-2*x^5+x^4+1)/(x^{20}-2*x^{15}+4*x^{10}-3*x^5+1)$  ogf]  
A138112 14.5693  $[x^3/(x^4-2*x^3+4*x^2-3*x+1)$  ogf]  
A138112 17.3070  $-(2*x-1)*(2*x^2-2*x+3)/(4*x^2+1-3*x+x^4-2*x^3)$  lgdogf  
A138118 6.51077  $-10*(-111+2000*x+10000*x^2)/(100*x+1)/(1000*x-1)/(10*x-1)$  lgdogf  
A138118 7.40441  $-1/200*(-1-101*x+(1+242*x+9801*x^2)^{(1/2)})/(10*x-1)$  revogf  
A138119 8.20923  $-1/20000*(-1-110*x+(8100*x^2+220*x+1)^{(1/2)})/x$  revogf  
A138119 9.93749  $-100*(-11+2000*x)/(1000*x-1)/(100*x-1)$  lgdogf  
A138123 8.02968  $-(1+6*x+2*x^{11}+10*x^6+8*x^5-2*x^2+2*x^3+11*x^4+9*x^8+8*x^7)/(x+1)/(x^2-x+1)/(x^5+2*x^2+x+1)/(x^4+x^2-1)$  lgdogf  
A138123 8.55671  $[-(x^5+2*x^2+x+1)/(x+1)/(x^2-x+1)/(x^4+x^2-1)$  ogf]  
A138127 18.7583  $[127*x/(x-1)^2$  ogf]  
A138127 21.8313  $508*x/(127+(16129+508*x)^{(1/2)})^2$  revogf  
A138127 55.9007  $[[2]$  ogf\_with\_Euler\_transform]  
A138127 8.81413  $[{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 127},$  ogf]  
A138127 90.0541  $-2/(x-1)$  lgdogf  
A138128 17.3944  $[-1/(127*x-1)$  ogf]  
A138128 22.9489  $1/127*\ln(1+127*x)$  revogf  
A138128 26.0087  $-127/(-1+127*x)$  lgdogf  
A138128 7.40872  $[{a(n+1)-127*a(n), a(0) = 1},$  ogf]  
A138129 17.3673  $[1729*x/(x-1)^2$  ogf]  
A138129 18.0030  $6916*x/(1729+(2989441+6916*x)^{(1/2)})^2$  revogf  
A138129 52.9855  $[[2]$  ogf\_with\_Euler\_transform]  
A138129 8.27015  $[{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 1729},$  ogf]  
A138129 85.5142  $-2/(x-1)$  lgdogf  
A138130 19.3902  $1/1729*\ln(1+1729*x)$  revogf  
A138130 21.6714  $-1729/(-1+1729*x)$  lgdogf  
A138134 12.8428  $[5*x/(x-1)/(x^2+11*x-1)$  ogf]  
A138134 16.5216  $-(-12+20*x+3*x^2)/(x-1)/(x^2+11*x-1)$  lgdogf  
A138134 5.29482  $[{a(n+3)-12*a(n+2)+10*a(n+1)+a(n), a(0) = 0, a(1) = 5, a(2) = 60},$  ogf]  
A138144 10.4708  $[-(10*x^2-1)*(10*x^2+1)/(10*x-1)/(x-1)$  ogf]

A138144 4.02138 [ $\{10*a(n+1)+a(n+3)-11*a(n+2), a(0) = 1, a(1) = 11, a(2) = 111, a(3) = 1111, a(4) = 11011\}$ , ogf]  
A138144 7.44369  $(-11+20*x+400*x^3-3300*x^4+2000*x^5)/(x-1)/(10*x-1)/(10*x^2-1)/(10*x^2+1)$  lgdogf  
A138145 10.2769 [  $-(10*x^2-1)*(100*x^4+10*x^2+1)/(10*x-1)/(x-1)$  ogf]  
A138145 3.20781 [ $\{a(n+3)-11*a(n+2)+10*a(n+1), a(0) = 1, a(1) = 11, a(2) = 111, a(3) = 1111, a(4) = 11111, a(5) = 111111, a(6) = 1110111\}$ , ogf]  
A138145 6.46892  $(-11+20*x+6000*x^5-55000*x^6+40000*x^7)/(x-1)/(10*x-1)/(10*x^2-1)/(100*x^4+10*x^2+1)$  lgdogf  
A138146 5.41234 [  $-(10*x+1)*(10*x-1)*(100*x^2+10*x+1)/(100*x-1)/(x-1)$  ogf]  
A138147 10.3745  $-1/200*(-1-11*x+(1+22*x+81*x^2)^{(1/2)})/x$  revogf  
A138147 12.2053  $-10*(-11+200*x)/(100*x-1)/(10*x-1)$  lgdogf  
A138147 15.3607 [  $10/(100*x-1)/(10*x-1)$  ogf]  
A138147 6.58315 [ $\{-a(n+2)+110*a(n+1)-1000*a(n), a(0) = 10, a(1) = 1100\}$ , ogf]  
A138148 3.14093 [ $\{a(n+3)-111*a(n+2)+1110*a(n+1)-1000*a(n), a(0) = 0, a(1) = 101, a(2) = 11011\}$ , ogf]  
A138148 5.69009 [  $x*(200*x-101)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A138156 3.39534 [ $\{(-16*n^2-88*n-120)*a(n+1)+(8*n^2+50*n+70)*a(n+2)+(-n^2-7*n-10)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 14\}$ , ogf]  
A138179 7.80840 [  $-(x^4-2*x^3-4*x^2-6*x-1)/(x+1)^2/(x-1)^4$  ogf]  
A138179 8.05207  $-2*(-24-37*x-7*x^5-10*x^4+24*x^3+4*x^6+2*x^2)/(x-1)/(x+1)/(8*x^5-15*x^4-10*x^3+32*x^2-6*x-21)$  lgdogf  
A138187 14.5233  $-(-4-6*x+3*x^2+3*x^3+x^4)/(x^2+x+1)/(x^3+2*x^2+2*x-1)$  lgdogf  
A138187 9.14579 [  $-(x^3+2*x^2+2*x-1)/(x^2+x+1)^2$  ogf]  
A138188 10.7755  $-(3+3*x+2*x^5+5*x^4+5*x^3-6*x^2)/(x-1)/(x^2+x+1)/(x^3+2*x^2+2*x-1)$  lgdogf  
A138188 6.62575 [  $(x^3+2*x^2+2*x-1)/(x-1)/(x^2+x+1)^2$  ogf]  
A138189 11.6719  $-(2+4*x-3*x^2+10*x^3+8*x^4+3*x^5)/(x-1)/(x^2+x+1)/(x^3+2*x^2+2*x-1)$  lgdogf  
A138189 9.76343 [  $-(x^3+2*x^2+2*x-1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A138190 4.64283 [  $x*(x^{12}+2*x^{11}+5*x^{10}+10*x^9+31*x^8+20*x^7+22*x^6+20*x^5+31*x^4+10*x^3+5*x^2+2*x+1)/(x-1)^4/(x+1)^4/(x^2+1)^4$  ogf]  
A138191 13.5094  $-(2+2*x+x^6+2*x^5+6*x^4+4*x^3+3*x^2)/(x-1)/(x+1)/(x^2+1)/(x^3+x^2+2*x+1)$  lgdogf  
A138191 17.3911 [  $-(x^3+x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A138199 12.3986 [  $-17*(42*x-1)/(196*x-1)/(9*x-1)$  ogf]  
A138199 7.22116 [ $\{a(n+2)-205*a(n+1)+1764*a(n), a(0) = 17, a(1) = 2771\}$ , ogf]  
A138200 4.80230 [ $\{a(n+2)-205*a(n+1)+1764*a(n), a(0) = 1, a(1) = 163\}$ , ogf]  
A138200 8.18559  $-1/84*(-1-205*x+(1+242*x+34969*x^2)^{(1/2)})/(1+42*x)$  revogf  
A138200 8.34930  $-(163-3528*x+74088*x^2)/(196*x-1)/(42*x-1)/(9*x-1)$  lgdogf  
A138200 8.38049 [  $-(42*x-1)/(196*x-1)/(9*x-1)$  ogf]  
A138219 4.20159 [  $-2*x*(x^4-2*x^3-2*x^2+x+1)/(2*x^2-1)/(x-1)^2/(x+1)^2$  ogf]  
A138229 12.7439 [  $-(x-1)/(6*x^2-2*x+1)$  ogf]  
A138229 6.99361 [ $\{a(n+2)-2*a(n+1)+6*a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A138230 12.2719 [  $-(x-1)/(4*x^2-2*x+1)$  ogf]  
A138230 17.3317  $-(1-8*x+4*x^2)/(x-1)/(4*x^2-2*x+1)$  lgdogf  
A138230 6.73460 [ $\{a(n+2)-2*a(n+1)+4*a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A138231 11.8316 [  $-x*(x^2-x-1)/(2*x^4-2*x^2+1)$  ogf]  
A138231 14.6932  $-(1+2*x+4*x^5-6*x^4-8*x^3+2*x^2)/(x^2-x-1)/(2*x^4-2*x^2+1)$  lgdogf  
A138232 12.6696 [  $(x-1)*(x^2-x-1)/(2*x^4-2*x^2+1)$  ogf]  
A138232 14.7196  $-x^2*(2*x^4-8*x^3+2*x^2+8*x-3)/(x-1)/(x^2-x-1)/(2*x^4-2*x^2+1)$  lgdogf  
A138233 12.5139 [  $-5*(6*x-1)/(9*x-1)/(4*x-1)$  ogf]  
A138233 12.8019  $-1/12*(-5-13*x+(25+10*x+25*x^2)^{(1/2)})/(5+6*x)$  revogf  
A138233 14.3631  $-(7-72*x+216*x^2)/(6*x-1)/(4*x-1)/(9*x-1)$  lgdogf  
A138233 7.06666 [ $\{a(n+2)-13*a(n+1)+36*a(n), a(0) = 5, a(1) = 35\}$ , ogf]  
A138238 3.71779 [ $\{a(n+4)+2*a(n+3)-9*a(n+2)-2*a(n+1)+8*a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 9\}$ , ogf]  
A138238 8.00755 [  $x*(2*x+1)/(x-1)/(2*x-1)/(4*x+1)/(x+1)$  ogf]

A138238 8.94386  $-6*x*(-3+8*x^3+4*x^2-4*x)/(x-1)/(1+2*x)/(2*x-1)/(4*x+1)/(x+1)$  lgdogf  
A138240 23.0072  $x*(-1+2*x)/(-1-4*x+8*x^2)$  revogf  
A138240 4.71102  $[{-48*a(n)*n+(16*n+12)*a(n+1)+(-n-2)*a(n+2), a(0) = 0, a(1) = 1}], ogf]$   
A138251 5.13258  $[(x^2+1)*(x^{13}+x^{12}+x^{10}+x^9+x^8+x^6+x^5+x^4+x^2+x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2 ogf]$   
A138268 6.78680  $-(-4+10*x+x^6+6*x^5+22*x^4+40*x^3+53*x^2)/(x^3+3*x^2+7*x+1)/(x^4+3*x^3+8*x^2+3*x+1)$  lgdogf  
A138268 7.14842  $[(x^3+3*x^2+7*x+1)/(x^4+3*x^3+8*x^2+3*x+1) ogf]$   
A138269 8.10838  $[(x-1)^2/(x^4-5*x^3+4*x^2-5*x+1) ogf]$   
A138269 9.59849  $-(3-3*x-9*x^3+15*x^2+2*x^4)/(x-1)/(x^4-5*x^3+4*x^2-5*x+1)$  lgdogf  
A138278 11.0306  $[-(4*x^5+6*x^4+3*x^3+4*x^2+2*x+1)/(5*x^3-1) ogf]$   
A138278 9.08956  $2*(-1-4*x+15*x^6+20*x^7-20*x^4-22*x^3-12*x^2)/(5*x^3-1)/(4*x^5+6*x^4+3*x^3+4*x^2+2*x+1)$  lgdogf  
A138279 11.2327  $[-x*(5*x^4+5*x^3+2*x^2+x+1)/(x-1)/(x+1)/(x^2+1) ogf]$   
A138279 9.06778  $-(1+4*x+5*x^6+4*x^5+3*x^4+24*x^3+15*x^2)/(x-1)/(x+1)/(1+x^2)/(5*x^4+5*x^3+2*x^2+x+1)$  lgdogf  
A138287 6.16248  $[-2*x*(x^6+3*x^5-x^4+4*x^3-x^2+3*x+1)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) ogf]$   
A138288 12.4178  $[-(x-1)/(x^2-10*x+1) ogf]$   
A138288 13.3201  $-1/2*(-10*x-1+(1+16*x+96*x^2)^{1/2})/(1+x)$  revogf  
A138288 18.0466  $-(9-2*x+x^2)/(x-1)/(x^2-10*x+1)$  lgdogf  
A138288 6.88218  $[{a(n+2)-10*a(n+1)+a(n), a(0) = 1, a(1) = 9}], ogf]$   
A138289 9.15066  $[-(4*x^3+3*x^2+2*x+1)/(x^4+x-1) ogf]$   
A138298 10.0143  $[x*(x^2-10*x-2)/(x^4+11*x^2-1) ogf]$   
A138298 9.70693  $-2*(-5-21*x-55*x^2-4*x^3-15*x^4+x^5)/(x^2-10*x-2)/(x^4+11*x^2-1)$  lgdogf  
A138322 12.3654  $[-(10*x+1)/(10*x^2+5*x-1) ogf]$   
A138322 13.8827  $-5*(3+4*x+20*x^2)/(10*x+1)/(10*x^2+5*x-1)$  lgdogf  
A138322 13.8827  $1/20*(-5*x-1+(65*x^2+50*x+1)^{1/2})/(1+x)$  revogf  
A138322 6.91871  $[{a(n+2)-5*a(n+1)-10*a(n), a(0) = 1, a(1) = 15}], ogf]$   
A138326 4.12653  $[(2*x^{18}+7*x^{17}-13*x^{16}+2*x^{15}-x^{14}+5*x^{13}-12*x^{12}+16*x^{11}-16*x^{10}+15*x^9-8*x^8+2*x^7-2*x^6+2*x^5-x^4+x^3-x^2+x-1)/(x-1)^3 ogf]$   
A138331 32.3554  $-2*(-4+3*x)/(x-1)/(x+1)$  lgdogf  
A138331 33.3220  $[[-8+7*x] ogf\_with\_Euler\_transform]$   
A138331 5.08729  $[{(-n-3)*a(n+3)-8*a(n+2)+(7+n)*a(n+1), a(0) = -16, a(1) = 128, a(2) = -560}], ogf]$   
A138331 7.77069  $[16*(x-1)/(x+1)^7 ogf]$   
A138332 29.7581  $[[-10+9*x] ogf\_with\_Euler\_transform]$   
A138332 30.0895  $-2*(-5+4*x)/(x-1)/(x+1)$  lgdogf  
A138332 4.70276  $[{(-n-3)*a(n+3)-10*a(n+2)+(9+n)*a(n+1), a(0) = -64, a(1) = 640, a(2) = -3456}], ogf]$   
A138332 5.97377  $[64*(x-1)/(x+1)^9 ogf]$   
A138333 28.6257  $[[-12+11*x] ogf\_with\_Euler\_transform]$   
A138333 30.1280  $-2*(-6+5*x)/(x-1)/(x+1)$  lgdogf  
A138333 4.60592  $[{(-n-3)*a(n+3)-12*a(n+2)+(11+n)*a(n+1), a(0) = -256, a(1) = 3072, a(2) = -19712}], ogf]$   
A138333 4.80474  $[256*(x-1)/(x+1)^{11} ogf]$   
A138334 25.4758  $[[-14+13*x] ogf\_with\_Euler\_transform]$   
A138334 26.7011  $-2*(-7+6*x)/(x-1)/(x+1)$  lgdogf  
A138334 4.02804  $[{(-n-3)*a(n+3)-14*a(n+2)+(13+n)*a(n+1), a(0) = -1024, a(1) = 14336, a(2) = -106496}], ogf]$   
A138340 13.1554  $[-(8*x-1)/(16*x^2-4*x+1) ogf]$   
A138340 14.3235  $-1/16*(-1-4*x+(1-24*x-48*x^2)^{1/2})/(1+2*x)$  revogf  
A138340 15.3715  $-4*(-1-8*x+32*x^2)/(8*x-1)/(16*x^2-4*x+1)$  lgdogf  
A138340 7.29096  $[{-a(n+2)+4*a(n+1)-16*a(n), a(0) = 1, a(1) = -4}], ogf]$   
A138341 13.8925  $-(-2-8*x+x^4+x^3+9*x^2)/(x^2-x+1)/(x^3+4*x-1)$  lgdogf  
A138341 7.80668  $[-(x^3+4*x-1)/(x^2-x+1)^2 ogf]$   
A138349 4.83242  $[{(16*n^2+96*n+128)*a(n+1)+(-n^2-16*n-63)*a(n+3), a(0) = 1, a(1)}$

= 0, a(2) = 1}, ogf]  
 A138357 5.04828 [ x\*(x^9-2\*x^8+2\*x^7+3\*x^6+4\*x^5+4\*x^4+4\*x^3+4\*x^2+3\*x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^4 ogf]  
 A138364 5.72357 [ {(-4\*n-12)\*a(n+1)+(n+4)\*a(n+3), a(0) = 0, a(1) = 1, a(2) = 0}, ogf]  
 A138365 14.9508 [ -(x-10)/(x+1)/(x^2-11\*x+1) ogf]  
 A138365 7.03566 [ {-a(n+3)+10\*a(n+2)+10\*a(n+1)-a(n), a(0) = 10, a(1) = 99, a(2) = 1090}, ogf]  
 A138376 7.58980 [ -x\*(8\*x^11+x^10+5\*x^9-4\*x^7-4\*x^5-4\*x^3-3\*x-1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+1)/(x-1)^2/(x+1)^2 ogf]  
 A138377 13.3791 [ -(3-4\*x+16\*x^5+16\*x^3+36\*x^4)/(1+2\*x)/(x+1)/(2\*x^2+2\*x+1)/(2\*x^2-2\*x+1) lgdogf]  
 A138377 16.1724 [ x\*(x+1)\*(2\*x+1)/(2\*x^2-2\*x+1)/(2\*x^2+2\*x+1) ogf]  
 A138378 14.0976 [ -a(n)+(n+1)\*a(n+1), a(0)=3, a(1)=1 lgdegf]  
 A138380 12.7868 [ -(x-1)\*(2\*x+1)\*(x+1)/(2\*x^2-2\*x+1)/(2\*x^2+2\*x+1) ogf]  
 A138380 8.34190 [ -2\*(1-x+4\*x^6+4\*x^5-12\*x^4-8\*x^3-3\*x^2)/(-1+x)/(2\*x+1)/(x+1)/(1+2\*x+2\*x^2)/(2\*x^2-2\*x+1) lgdogf]  
 A138382 12.9179 [ -(2\*x^3+x^2+3\*x-1)/(2\*x^2-2\*x+1)/(2\*x^2+2\*x+1) ogf]  
 A138382 9.19381 [ -(3-2\*x+8\*x^6+8\*x^5+36\*x^4-16\*x^3-6\*x^2)/(2\*x^2+2\*x+1)/(2\*x^2-2\*x+1)/(2\*x^3+x^2+3\*x-1) lgdogf]  
 A138384 7.70479 [ -(5\*x^9-3\*x^8+2\*x^7-x^6+x^5+x^3+x^2+2\*x+3)/(x^2+x-1)/(x^4+2\*x^3+4\*x^2+3\*x+1)/(x^4-3\*x^3+4\*x^2-2\*x+1) ogf]  
 A138395 21.3783 [ 1/(3\*x^2-6\*x+1) ogf]  
 A138395 8.60348 [ {-a(n+2)+6\*a(n+1)-3\*a(n), a(0) = 1, a(1) = 6}, ogf]  
 A138413 4.07168 [ {(224\*n^3+480\*n^2+298\*n+48)\*a(n)+(-910\*n^3-1971\*n^2-1241\*n-198)\*a(n+1)+(56\*n^3+204\*n^2+196\*n+24)\*a(n+2), a(0) = 0, a(1) = 0, a(2) = 2}, ogf]  
 A138463 7.27363 [ x\*(x-1)\*(-1+2\*x)^2/(1+x)/(x-2) revogf]  
 A138473 15.8535 [ 21\*x/(x^2-47\*x+1) ogf]  
 A138473 22.8418 [ -(47+2\*x)/(x^2+1-47\*x) lgdogf]  
 A138473 7.44925 [ {a(n+2)-47\*a(n+1)+a(n), a(0) = 0, a(1) = 21}, ogf]  
 A138473 8.47358 [ -1/2\*(-47\*x-21+(15\*x+7)^(1/2)\*(3+7\*x)^(1/2)\*3^(1/2)\*7^(1/2))/x revogf]  
 A138477 8.44679 [ -2\*(-1+x+10\*x^4-4\*x^3-3\*x^2)/(-1+x)/(2\*x-1)/(x+1)/(2\*x^2+1) lgdogf]  
 A138477 8.86132 [ x^2/(x-1)/(2\*x-1)/(x+1)/(2\*x^2+1) ogf]  
 A138501 14.2700 [ -(6\*x^3+4\*x^2-2\*x+4)/(-x^4+1) ogf\_with\_Euler\_transform]  
 A138502 14.3742 [ -(-6\*x^3-8\*x^2-2\*x-8)/(x^4-1) ogf\_with\_Euler\_transform]  
 A138504 14.5749 [ -(6\*x^3-4\*x^2+14\*x-4)/(-x^4+1) ogf\_with\_Euler\_transform]  
 A138513 12.6486 [ -(5\*x-1)/(5\*x^2-8\*x+1) ogf]  
 A138513 13.5904 [ -1/10\*(-1-8\*x+(1-4\*x+44\*x^2)^(1/2))/(1+x) revogf]  
 A138513 14.6633 [ -(3-10\*x+25\*x^2)/(5\*x-1)/(5\*x^2-8\*x+1) lgdogf]  
 A138513 6.94133 [ {a(n+2)-8\*a(n+1)+5\*a(n), a(0) = 1, a(1) = 3}, ogf]  
 A138514 13.0369 [ -(2\*x^3-x^2+3\*x-1)/(-x^4+1) ogf\_with\_Euler\_transform]  
 A138515 14.1853 [ -(-4\*x^3+2\*x^2-6\*x+2)/(x^4-1) ogf\_with\_Euler\_transform]  
 A138516 15.6524 [ -(-2\*x^3+2\*x^2-2\*x+2)/(-x^5-1) ogf\_with\_Euler\_transform]  
 A138518 8.34564 [ -(-4\*x^8-2\*x^7-4\*x^6-2\*x^5-2\*x^3-4\*x^2-2\*x-4)/(x^10-1) ogf\_with\_Euler\_transform]  
 A138519 12.7493 [ -(2\*x^3-2\*x^2+2\*x-2)/(-x^5-1) ogf\_with\_Euler\_transform]  
 A138523 3.28191 [ {(4\*n^2+26\*n+42)\*a(n+1)+(-4\*n^2-26\*n-43)\*a(n+2)+a(n+3), a(0) = 1, a(1) = 7, a(2) = 127}, ogf]  
 A138524 2.87536 [ {(-4\*n^2-30\*n-56)\*a(n+1)+(4\*n^2+30\*n+57)\*a(n+2)-a(n+3), a(0) = 2, a(1) = 26, a(2) = 746}, ogf]  
 A138525 3.03066 [ {(4\*n^2+22\*n+30)\*a(n+1)+(-4\*n^2-22\*n-31)\*a(n+2)+a(n+3), a(0) = 1, a(1) = 3, a(2) = 27}, ogf]  
 A138527 8.73092 [ -(-2\*x^8-x^7-2\*x^6-x^5-x^3-2\*x^2-x-2)/(x^10-1) ogf\_with\_Euler\_transform]  
 A138531 9.52185 [ -(x^8+2\*x^7+3\*x^6+4\*x^5+5\*x^4+6\*x^3+7\*x^2+8\*x+9)/(x-1)/(x^2+x+1)/(x^6+x^3+1) ogf]  
 A138532 10.3449 [ -(-x^3+x^2-x+1)/(-x^5-1) ogf\_with\_Euler\_transform]  
 A138559 16.5398 [ -(-x^3+x^2-3\*x+1)/(x^4-1) ogf\_with\_Euler\_transform]



A138569 7.83327  $x^*(2+6*x^7-12*x^5+24*x^4+5*x^3-12*x^2-16*x^6+4*x^9)/(x-1)/(2*x^2-1)/(2*x^4-2*x^2+1)/(2*x^5+x^4-2*x^3-2*x^2+x+1)$  lgdogf  
A138569 9.57540  $[x*(x-1)*(2*x^5+x^4-2*x^3-2*x^2+x+1)/(2*x^2-1)/(2*x^4-2*x^2+1)$  ogf]  
A138573 10.3554  $[-x*(x-1)*(x+1)/(x^4-2*x^3-2*x^2-2*x+1)$  ogf]  
A138573 10.3611  $-2*(1+x+x^5-x^4-2*x^3+4*x^2)/(x-1)/(x+1)/(x^4-2*x^3-2*x^2-2*x+1)$  lgdogf  
A138574 9.90967  $[-x*(x^3-x^2-x-1)/(x^4-2*x^3-2*x^2-2*x+1)$  ogf]  
A138587 7.37751  $-(2+10*x+4*x^8+24*x^6+40*x^5+49*x^4+40*x^3+16*x^7+25*x^2)/(x+1)/(x^2+1)/(2*x^2-1)/(2*x^5+4*x^4+5*x^3+4*x^2+3*x+1)$  lgdogf  
A138587 8.04837  $[-x*(2*x^5+4*x^4+5*x^3+4*x^2+3*x+1)/(x+1)/(2*x^2-1)/(x^2+1)$  ogf]  
A138590 11.2760  $(-38*x-17+(17+76*x+85*x^2)^{(1/2)}*17^{(1/2)})/x$  revogf  
A138590 15.1373  $[-34*x/(x^2+76*x-1)$  ogf]  
A138590 22.5520  $-2*(x+38)/(x^2-1+76*x)$  lgdogf  
A138590 7.11271  $[{-a(n+2)+76*a(n+1)+a(n), a(0) = 0, a(1) = 34},$  ogf]  
A138614 10.1018  $[(2*x-1)*(x^2-x-1)/(2*x^4-2*x^2+1)$  ogf]  
A138614 10.3413  $-(1+2*x-12*x^5+4*x^6-4*x^2+8*x^3-2*x^4)/(2*x-1)/(x^2-x-1)/(2*x^4-2*x^2+1)$  lgdogf  
A138619 4.12874  $[(8*x^6-20*x^5-4*x^4+12*x^3-9*x^2+6*x-1)/(8*x^8-20*x^7+8*x^6+12*x^5-14*x^4+26*x^3-19*x^2+8*x-1)$  ogf]  
A138635 8.55172  $[-x^2*(x^6-x^5+x^4-2*x^3+x^2+1)/(2*x^3-1)/(x^6-x^3+1)$  ogf]  
A138653 10.4713  $[-(x^3+x^2-x+1)/(x^4+x^3-3*x^2+3*x-1)$  ogf]  
A138741 5.68460  $[-(2*x^8-3*x^7+4*x^6-x^4+x^3+2*x^2-4*x+3)/(-x^9-x^6-x^3-1)$  ogf\_with\_Euler\_transform]  
A138745 4.97213  $[-(2*x^11-x^10+x^9-2*x^8-2*x^7-x^6-x^4-2*x^3-2*x^2+x-1)/(x^12-1)$  ogf\_with\_Euler\_transform]  
A138747 16.2825  $[-(x^3+3*x-1)/(x^4-2*x^3+3*x^2-4*x+1)$  ogf]  
A138747 16.5563  $-(1-6*x-8*x^3+x^6+6*x^4+12*x^2)/(x^3+3*x-1)/(x^4-2*x^3+3*x^2-4*x+1)$  lgdogf  
A138749 15.2676  $[-(5*x+1)/(5*x^2-2*x+1)$  ogf]  
A138749 17.6696  $1/10*(-1+2*x+(1-24*x-16*x^2)^{(1/2)})/(x+1)$  revogf  
A138749 18.5758  $-(-7+10*x+25*x^2)/(5*x+1)/(5*x^2-2*x+1)$  lgdogf  
A138749 8.37856  $[{-a(n+2)+2*a(n+1)-5*a(n), a(0) = -1, a(1) = -7},$  ogf]  
A138750 8.84551  $[x*(4*x^6+6*x^5+2*x^4+6*x^3+6*x^2+x+2)/(x+1)/(x^2-x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A138766 10.2594  $[-(x^3+2*x-1)/(x^4+4*x^2-4*x+1)$  ogf]  
A138766 11.0539  $-(2-8*x+4*x^3+x^6+2*x^4+5*x^2)/(x^3+2*x-1)/(x^4+4*x^2-4*x+1)$  lgdogf  
A138772 13.0691  $[1/2*x*(x-2)/(x-1)^3$  egf]  
A138772 35.0318  $-(-5+2*x)/(x-1)/(x-2)$  lgdegf  
A138772 4.48760  $[{(n^2+4*n+4)*a(n+1)+(n^2+6*n+10)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 5},$  ogf]  
A138782 14.5321  $-2*(x+5)*(2*x+1)/(x-1)/(2*x^2+6*x+1)$  lgdegf  
A138782 3.10883  $[{(8*n^2+48*n+72)*a(n+1)+(3*n^2+19*n+56)*a(n+2)+(-3*n-9)*a(n+3), a(0) = 1, a(1) = 10, a(2) = 72},$  ogf]  
A138782 7.74954  $[(2*x^2+6*x+1)/(x-1)^4$  egf]  
A138783 5.17129  $[x*(14*x^3+74*x^2+39*x+8)/(x-1)^6$  egf]  
A138783 9.52989  $-(87+343*x+42*x^3+338*x^2)/(x-1)/(14*x^3+74*x^2+39*x+8)$  lgdegf  
A138784 6.04625  $-2*(436+2501*x+3371*x^3+316*x^4+4716*x^2)/(x-1)/(158*x^4+1222*x^3+961*x^2+440*x+54)$  lgdegf  
A138793 6.28234  $441-1260*x+900*x^2+(-42+522*x+600*x^3-1080*x^2)*f(x)+(1+141*x^2-22*x-220*x^3+100*x^4)*f(x)^2$  lgdogf  
A138803 11.8684  $[-(x-1)*x/(x^4+4*x^2-4*x+1)$  ogf]  
A138803 14.3541  $-(3-8*x-4*x^3+3*x^4+4*x^2)/(x-1)/(x^4+4*x^2-4*x+1)$  lgdogf  
A138825 3.24533  $[(10*x+1)*(111111111111*x^10-1000000*x^4-10000*x^2-100)/(111111111111*x^10+100000000*x^6-100)$  ogf]  
A138829 9.35443  $[-(x^14-x^13+x^4-x^3-x-1)/(x-1)^2$  ogf]  
A138829 9.38647  $(3+x-5*x^3+12*x^14-25*x^13+2*x^4+13*x^12+3*x^2)/(x-1)/(x^14-x^13+x^4-x^3-x-1)$  lgdogf  
A138830 10.5336  $(4+2*x+x^3+12*x^14-25*x^13+13*x^12-3*x^2)/(x-1)/(x^14-x^13+x^3-$

$x^2-2)$  lgdogf  
A138830 9.90748 [  $-(x^{14}-x^{13}+x^3-x^2-2)/(x-1)^2$  ogf]  
A138836 9.10246 [  $-(x^2-x+1)*(x^{27}-x^{25}-x^{24}+x^{22}+x^{21}-x^{19}-x^{18}+x^{16}+x^{15}-x^{13}-x^{12}+x^{10}+x^9-x^7-x^6+2*x^4+x^3-x^2-x-1)/(x-1)^2$  ogf]  
A138849 10.0692  $-2*x*(7+15*x^2+2*x^3+36*x)/(x-1)/(4*x^4+7*x^3+17*x^2-5*x+1)$   
lgdogf  
A138849 8.38786 [  $-(4*x^4+7*x^3+17*x^2-5*x+1)/(x-1)^5$  ogf]  
A138888 11.6692 [  $-(x^{15}-x^{14}+x^4-x^2-1)/(x-1)^2$  ogf]  
A138888 12.0873  $(2+2*x-4*x^3-27*x^{14}+2*x^4+13*x^{15}+14*x^{13})/(x-1)/(x^{15}-x^{14}+x^4-x^2-1)$  lgdogf  
A138893 6.00483 [  $x*(7*x^4+14*x^3-10*x^2+14*x+11)/(x-1)^2/(x^2+1)^2$  ogf]  
A138893 7.14417  $-2*(18-25*x+52*x^3+7*x^6+21*x^5-34*x^4+33*x^2)/(x-1)/(7*x^4+14*x^3-10*x^2+14*x+11)/(x^2+1)$  lgdogf  
A138894 12.5459 [  $(x+1)/(9*x-1)/(x-1)$  ogf]  
A138894 12.5629  $-1/2*(-1-10*x+(1+24*x+64*x^2)^{1/2})/(-1+9*x)$  revogf  
A138894 15.2793  $-(-11+18*x+9*x^2)/(x-1)/(9*x-1)/(x+1)$  lgdogf  
A138894 6.87036 [  $\{-a(n+2)+10*a(n+1)-9*a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
A138896 3.47510 [  $\{(4*n^3+30*n^2+72*n+56)*a(n+1)+(-n-3)*a(n+2), a(0) = 3, a(1) = 15\}$ , ogf]  
A138897 6.03709 [  $\{(-4*n^3-34*n^2-94*n-84)*a(n+1)+(n+4)*a(n+2), a(0) = 3, a(1) = 20\}$ , ogf]  
A138898 11.3040 [  $\{(4*n^2+26*n+36)*a(n+1)-a(n+2), a(0) = 60, a(1) = 840\}$ , ogf]  
A138902 32.2206 [  $-x^{19}+x^9+1$  ogf\_with\_Euler\_transform]  
A138908 34.9027  $(-1-30*x^9+27*x^{10})/(x-1)/(1+3*x^{10})$  lgdogf  
A138911 19.4156  $(\exp(-x)+x^2+1+2*x)*\exp(x)/(x+1)$  lgdegf  
A138912 16.8682  $-x*\exp(-x)-x^2-1-2*x)*\exp(x)/(x+1)$  lgdegf  
A138949 5.08499 [  $-(2*x^{11}+2*x^{10}+3*x^9+2*x^7+2*x^6+4*x^5+2*x^4+2*x^3+3*x+2)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]  
A138951 5.37331 [  $-(2*x^{11}-2*x^{10}+5*x^9+2*x^7-2*x^6+4*x^5-2*x^4+2*x^3+5*x-2)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]  
A138953 6.22534 [  $-x^{10}*(9*x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A138957 5.51437  $144-720*x+900*x^2+(-24+324*x+600*x^3-900*x^2)*f(x)+(100*x^4+141*x^2+1-22*x-220*x^3)*f(x)^2$  lgdogf  
A138976 7.43697 [  $-3*x*(x^3+x^2-5*x-1)/(x-1)/(x^4-10*x^2+1)$  ogf]  
A138976 9.21804  $-2*(-3-9*x+51*x^3+x^7+x^6-11*x^5-5*x^4-9*x^2)/(x-1)/(x^3+x^2-5*x-1)/(x^4-10*x^2+1)$  lgdogf  
A138977 15.9360 [  $-(2*x-3)/(4*x^2-7*x+1)$  ogf]  
A138977 16.3897  $-1/4*(-3-7*x+(9+34*x+33*x^2)^{1/2})/(2*x+1)$  revogf  
A138977 18.5462  $-(19-24*x+8*x^2)/(2*x-3)/(4*x^2-7*x+1)$  lgdogf  
A138977 8.64001 [  $\{a(n+2)-7*a(n+1)+4*a(n), a(0) = 3, a(1) = 19\}$ , ogf]  
A138978 11.0983 [  $-(8*x^2-23*x+9)/(10*x^3-31*x^2+16*x-1)$  ogf]  
A138978 6.01157 [  $\{-a(n+3)+16*a(n+2)-31*a(n+1)+10*a(n), a(0) = 9, a(1) = 121, a(2) = 1665\}$ , ogf]  
A138978 6.64662  $-(121-542*x-460*x^3+80*x^4+855*x^2)/(8*x^2-23*x+9)/(10*x^3-31*x^2+16*x-1)$  lgdogf  
A138984 9.08951 [  $(x^6-4*x^3-x^2-x-1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A138984 9.87169  $-(-2-4*x-11*x^3+x^8+x^7+x^6-10*x^5-9*x^4-21*x^2)/(x-1)/(x^2+x+1)/(x^6-4*x^3-x^2-x-1)$  lgdogf  
A138985 7.36413  $-(-2-4*x-32*x^3+x^8-17*x^7-11*x^6-13*x^5+x^{11}-15*x^4+x^{10}-6*x^2+x^9)/(x-1)/(x+1)/(1+x^2)/(x^8-5*x^4-x^3-x^2-x-1)$  lgdogf  
A138985 8.32628 [  $(x^8-5*x^4-x^3-x^2-x-1)/(x+1)^2/(x^2+1)^2/(x-1)^3$  ogf]  
A138986 7.61332 [  $(x^{10}-6*x^5-x^4-x^3-x^2-x-1)/(x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]  
A138987 7.10172 [  $(x^{12}-7*x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2/(x-1)^3$  ogf]  
A138988 6.62600 [  $(x^{14}-8*x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]  
A138995 13.1177  $-(-1-12*x-5*x^3+2*x^7-14*x^4-6*x^2)/(x-1)/(x^2+x+1)/(2*x^5-6*x^2-x-1)$  lgdogf  
A138995 14.1915 [  $-(2*x^5-6*x^2-x-1)/(x-1)^2/(x^2+x+1)^2$  ogf]

A138996 10.0983  $-( -1-2*x-8*x^3-21*x^6-6*x^5-7*x^4+2*x^{10}-21*x^2)/(x-1)/(x+1)/(x^2+1)/(2*x^7-7*x^3-x^2-x-1)$  lgdogf  
A138996 12.6894  $[ -(2*x^7-7*x^3-x^2-x-1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A138997 11.3930  $[ -(2*x^9-8*x^4-x^3-x^2-x-1)/(x-1)^2/(x^4+x^3+x^2+x+1)^2$  ogf]  
A138997 8.25764  $-( -1-2*x-32*x^3-30*x^8-7*x^7-8*x^6-9*x^5-10*x^4-3*x^2+2*x^{13})/(x-1)/(x^4+x^3+x^2+x+1)/(2*x^9-8*x^4-x^3-x^2-x-1)$  lgdogf  
A138999 9.53673  $[ -(2*x^{13}-10*x^6-x^5-x^4-x^3-x^2-x-1)/(x-1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)^2$  ogf]  
A139011 14.5118  $[ -(2*x-1)/(5*x^2-4*x+1)$  ogf]  
A139011 17.6165  $-2*(1-5*x+5*x^2)/(-1+2*x)/(5*x^2-4*x+1)$  lgdogf  
A139011 7.96378  $[ \{-a(n+2)+4*a(n+1)-5*a(n), a(0) = 1, a(1) = 2\},$  ogf]  
A139030 14.7435  $[ -(25*x-4)/(25*x^2-8*x+1)$  ogf]  
A139030 15.9562  $-1/25*(-2-4*x+(-3*x+4)*(3*x-1))^{(1/2)}/(x+1)$  revogf  
A139030 17.0959  $-(25*x-1)*(25*x-7)/(25*x-4)/(25*x^2-8*x+1)$  lgdogf  
A139030 8.34871  $[ \{a(n+2)-8*a(n+1)+25*a(n), a(0) = 4, a(1) = 7\},$  ogf]  
A139031 22.7137  $[ 3/(25*x^2-8*x+1)$  ogf]  
A139031 30.4359  $-2*(25*x-4)/(25*x^2-8*x+1)$  lgdogf  
A139031 9.19364  $[ \{-a(n+2)+8*a(n+1)-25*a(n), a(0) = 3, a(1) = 24\},$  ogf]  
A139032 5.52464  $[ -(-x^{13}+x^{12}+x^8-x^7+x^6-x^5-x+1)/(-x^{15}-x^{12}-x^9-x^6-x^3-1)$  ogf\_with\_Euler\_transform]  
A139093 13.1724  $[ -(-2*x^3+2*x^2-5*x+2)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A139098 12.6392  $[ -8*x*(x+1)/(x-1)^3$  ogf]  
A139098 34.0782  $[ [4-x]$  ogf\_with\_Euler\_transform]  
A139098 35.4646  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A139098 6.43244  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 32\},$  ogf]  
A139114 6.05036  $[ -(3060*x^{12}-1170*x^{11}-6840*x^{10}+4950*x^9+9*x^2-21*x+11)/(x^2+x-1)/(x-1)^2$  ogf]  
A139136 6.46564  $[ -(x^{10}+2*x^8+x^7+x^6-2*x^5+x^4+x^3+2*x^2+1)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]  
A139137 9.02355  $[ -(-2*x^7+3*x^6-x^4+x^3-3*x+2)/(-x^9-x^6-x^3-1)$  ogf\_with\_Euler\_transform]  
A139139 10.0321  $[ -(x^3-x)/(-x^6+x^5-x^3+x-1)$  ogf\_with\_Euler\_transform]  
A139149 3.20578  $[ \{(-n^2-8*n-16)*a(n+1)+(n^2+9*n+19)*a(n+2)+(-n-3)*a(n+3), a(0) = 2, a(1) = 4, a(2) = 13\},$  ogf]  
A139179 14.2334  $[ x^2*(x^{15}-x^{14}+1)/(x-1)^2$  ogf]  
A139179 18.5026  $(-2+14*x^{13}-27*x^{14}+13*x^{15})/(x-1)/(x^{15}-x^{14}+1)$  lgdogf  
A139209 11.7152  $-(1-8*x-16*x^3+6*x^4+19*x^2)/(x-1)/(3*x-1)/(-1+2*x)/(x^2-3*x+1)$  lgdogf  
A139209 12.0993  $[ (3*x-1)*(x-1)/(2*x-1)/(x^2-3*x+1)$  ogf]  
A139209 6.58982  $[ \{a(n+3)-5*a(n+2)+7*a(n+1)-2*a(n), a(0) = -1, a(1) = -1, a(2) = -1\},$  ogf]  
A139222 10.0864  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 3, a(1) = 33\},$  ogf]  
A139222 18.1994  $[ 3*(9*x+1)/(x-1)^2$  ogf]  
A139222 22.2034  $-1/2*(-3-2*x+(9+120*x)^{(1/2)})/(-27+x)$  revogf  
A139222 35.7184  $-(11+9*x)/(9*x+1)/(x-1)$  lgdogf  
A139245 10.1410  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 4, a(1) = 24\},$  ogf]  
A139245 18.2978  $[ 4*(4*x+1)/(x-1)^2$  ogf]  
A139245 26.6394  $-( -2-x+2*(1+5*x)^{(1/2)})/(-16+x)$  revogf  
A139245 34.4092  $-2*(3+2*x)/(4*x+1)/(x-1)$  lgdogf  
A139249 10.0864  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 6, a(1) = 36\},$  ogf]  
A139249 18.1994  $[ 6*(4*x+1)/(x-1)^2$  ogf]  
A139249 27.3841  $-( -3-x+(9+30*x)^{(1/2)})/(-24+x)$  revogf  
A139249 34.2302  $-2*(3+2*x)/(4*x+1)/(x-1)$  lgdogf  
A139262 4.58066  $[ \{(-16*n^2-56*n-48)*a(n+1)+(8*n^2+30*n+24)*a(n+2)+(-n^2-4*n-3)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\},$  ogf]  
A139264 17.3782  $[ 7*(9*x+1)/(x-1)^2$  ogf]  
A139264 20.6361  $-1/2*(-7-2*x+(49+280*x)^{(1/2)})/(-63+x)$  revogf  
A139264 34.0944  $-(11+9*x)/(9*x+1)/(x-1)$  lgdogf  
A139264 9.63131  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 7, a(1) = 77\},$  ogf]  
A139267 12.3085  $[ -2*x*(5*x+1)/(x-1)^3$  ogf]

A139267 29.2784  $-2*(4+5*x)/(1+5*x)/(x-1)$  lgdogf  
A139267 6.37406  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 16\},$   
ogf]  
A139268 12.1011  $[ -2*x*(6*x+1)/(x-1)^3$  ogf]  
A139268 28.7802  $-3*(3+4*x)/(6*x+1)/(x-1)$  lgdogf  
A139268 6.26665  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 18\},$   
ogf]  
A139271 12.4213  $[ -2*x*(7*x+1)/(x-1)^3$  ogf]  
A139271 6.43244  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 20\},$   
ogf]  
A139272 12.4213  $[ -x*(13*x+3)/(x-1)^3$  ogf]  
A139272 26.2701  $-2*(11+13*x)/(13*x+3)/(x-1)$  lgdogf  
A139272 6.43244  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 22\},$   
ogf]  
A139273 12.4213  $[ -x*(11*x+5)/(x-1)^3$  ogf]  
A139273 26.2701  $-2*(13+11*x)/(11*x+5)/(x-1)$  lgdogf  
A139273 6.43244  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 26\},$   
ogf]  
A139274 14.0745  $[ -x*(9*x+7)/(x-1)^3$  ogf]  
A139274 29.5538  $-6*(5+3*x)/(9*x+7)/(x-1)$  lgdogf  
A139274 7.16293  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 30\},$   
ogf]  
A139275 12.6392  $[ -x*(7*x+9)/(x-1)^3$  ogf]  
A139275 28.3717  $-2*(17+7*x)/(7*x+9)/(x-1)$  lgdogf  
A139275 6.43244  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 9, a(2) = 34\},$   
ogf]  
A139276 12.5493  $[ -x*(5*x+11)/(x-1)^3$  ogf]  
A139276 27.5661  $-2*(19+5*x)/(5*x+11)/(x-1)$  lgdogf  
A139276 6.44124  $[ \{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 0, a(1) = 11, a(2) =$   
38}, ogf]  
A139277 12.5493  $[ -x*(3*x+13)/(x-1)^3$  ogf]  
A139277 31.1617  $-6*(7+x)/(3*x+13)/(x-1)$  lgdogf  
A139277 6.44124  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 13, a(2) =$   
42}, ogf]  
A139278 12.6133  $[ -x*(x+15)/(x-1)^3$  ogf]  
A139278 32.7469  $-2*(23+x)/(x+15)/(x-1)$  lgdogf  
A139278 6.47410  $[ \{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 0, a(1) = 15, a(2) =$   
46}, ogf]  
A139279 17.4931  $[ 8*(4*x+1)/(x-1)^2$  ogf]  
A139279 24.6650  $-(-4-x+2*(4+10*x)^(1/2))/(-32+x)$  revogf  
A139279 32.8867  $-2*(3+2*x)/(1+4*x)/(x-1)$  lgdogf  
A139279 9.69495  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 8, a(1) = 48\},$  ogf]  
A139280 17.6265  $[ 9*(9*x+1)/(x-1)^2$  ogf]  
A139280 20.9366  $-1/2*(-9-2*x+3*(9+40*x)^(1/2))/(-81+x)$  revogf  
A139280 34.5910  $- (11+9*x)/(9*x+1)/(x-1)$  lgdogf  
A139280 9.76890  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 9, a(1) = 99\},$  ogf]  
A139379 3.36276  $[ \{(-8*n-20)*a(n+1)+(-2*n-2)*a(n+2)+(5*n+14)*a(n+3)+(-n-4)*a(n$   
+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6\}, ogf]  
A139381 7.18598  $[ -(3*x^8+2*x^7+3*x^6+2*x^5+4*x^4+2*x^3+3*x^2+2*x+3)/(-x^10+1)$   
ogf\_with\_Euler\_transform]  
A139398 10.5117  $-(-1+5*x+10*x^3+2*x^5-10*x^4-10*x^2)/(x-1)/(-1+2*x)/$   
 $(x^4-2*x^3+4*x^2-3*x+1)$  lgdogf  
A139398 8.44956  $[ -(x-1)^4/(2*x-1)/(x^4-2*x^3+4*x^2-3*x+1)$  ogf]  
A139438 6.11668  $[ -$   
 $(x^14+x^13+x^12+2*x^11+x^10+x^9+2*x^8+5*x^7+3*x^6+x^5+x^4+3*x^3+2*x^2+x+1)/$   
 $(x-1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)$  ogf]  
A139477 4.03821  $[ (x^23-$   
 $x^22+2*x^11+3*x^10+2*x^9+3*x^8+2*x^7+3*x^6+2*x^5+3*x^4+2*x^3+3*x^2+2*x+1)/$   
 $(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A139482 16.3950  $- (2+2*x+5*x^2)/(x-1)/(x^3+2*x^2-x+1)$  lgdogf  
A139482 4.54869  $[ \{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 5,$

$a(3) = 11$ }, ogf]  
A139482 8.76777 [  $-(x^3+2x^2-x+1)/(x-1)^3$  ogf]  
A139488 10.1451 [  $(2x^3+2x^2-x+1)/(x-1)^4$  ogf]  
A139488 17.8191  $-(3+x+2x^3+10x^2)/(x-1)/(2x^3+2x^2-x+1)$  lgdogf  
A139488 4.26870 [  $\{(-19n^2-98n-120)*a(n+1)+(26n^2+73n-30)*a(n+2)+(-7n^2-11n+30)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 8\}$ , ogf]  
A139544 15.2281 [  $(2x^4+x^2+1)/(x-1)^2$  ogf]  
A139544 21.2906  $2*(-1-x-4x^3+2x^4)/(x-1)/(2x^4+x^2+1)$  lgdogf  
A139544 6.83465 [  $\{a(n+5)-2a(n+4)+a(n+3), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 6, a(4) = 10\}$ , ogf]  
A139545 6.02454 [  $(x^3+3x^2-3x+1)*(x-1)^2/(2x-1)^2/(x^2-x+1)^2$  ogf]  
A139545 7.91838  $-(-1+6x+55x^3+2x^6+9x^5-48x^4-27x^2)/(x-1)/(-1+2x)/(x^3+3x^2-3x+1)/(x^2-x+1)$  lgdogf  
A139566 7.11330 [  $(36x^{10}+6x^9-27x^8-145x^7-89x^6-58x^5-37x^4-16x^3-40x^2-26x-15)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A139570 12.4054 [  $4x*(x-2)/(x-1)^3$  ogf]  
A139570 33.1344  $-(-5+2x)/(x-1)/(x-2)$  lgdogf  
A139570 6.31345 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 20\}$ , ogf]  
A139576 12.2563 [  $x*(7x-11)/(x-1)^3$  ogf]  
A139576 25.9105  $-2*(-13+7x)/(x-1)/(7x-11)$  lgdogf  
A139576 6.29086 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 11, a(2) = 26\}$ , ogf]  
A139577 12.3860 [  $x*(9x-13)/(x-1)^3$  ogf]  
A139577 27.1964  $-6*(-5+3x)/(x-1)/(9x-13)$  lgdogf  
A139577 6.35742 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 13, a(2) = 30\}$ , ogf]  
A139578 12.1761 [  $x*(11x-15)/(x-1)^3$  ogf]  
A139578 24.3830  $-2*(-17+11x)/(x-1)/(11x-15)$  lgdogf  
A139578 6.35742 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 15, a(2) = 34\}$ , ogf]  
A139579 12.2398 [  $x*(13x-17)/(x-1)^3$  ogf]  
A139579 24.5126  $-2*(-19+13x)/(x-1)/(13x-17)$  lgdogf  
A139579 6.39071 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 17, a(2) = 38\}$ , ogf]  
A139580 11.9099 [  $x*(15x-19)/(x-1)^3$  ogf]  
A139580 25.6100  $-6*(-7+5x)/(x-1)/(15x-19)$  lgdogf  
A139580 6.21842 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 19, a(2) = 42\}$ , ogf]  
A139581 11.9099 [  $x*(17x-21)/(x-1)^3$  ogf]  
A139581 23.8438  $-2*(-23+17x)/(x-1)/(17x-21)$  lgdogf  
A139581 6.21842 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 21, a(2) = 46\}$ , ogf]  
A139582 47.1305 [  $1/(-x+1)$  ogf\_with\_Euler\_transform]  
A139591 12.9560 [  $-x*(7x+1)/(x+1)/(x-1)^3$  ogf]  
A139591 20.1964  $-3*(3+6x+7x^2)/(x-1)/(7x+1)/(x+1)$  lgdogf  
A139592 12.6140 [  $-2x*(3x+1)/(x+1)/(x-1)^3$  ogf]  
A139592 20.2184  $-(5+10x+9x^2)/(x-1)/(3x+1)/(x+1)$  lgdogf  
A139593 12.6804 [  $-x*(5x+3)/(x+1)/(x-1)^3$  ogf]  
A139593 19.2278  $-(11+22x+15x^2)/(x-1)/(5x+3)/(x+1)$  lgdogf  
A139594 17.0698  $-(2x+3)*(x^2+6x+3)/(x-1)/(x+1)/(x^2+3x+1)$  lgdogf  
A139594 4.35374 [  $\{(n^2-n-6)*a(n+1)+(-2n^2-8n-60)*a(n+2)+(n^2+9n+14)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 9\}$ , ogf]  
A139594 8.37257 [  $-x*(x+1)*(x^2+3x+1)/(x-1)^5$  ogf]  
A139595 12.6804 [  $-x*(3x+5)/(x+1)/(x-1)^3$  ogf]  
A139595 19.7619  $-(13+26x+9x^2)/(3x+5)/(x-1)/(x+1)$  lgdogf  
A139596 12.6804 [  $-2x*(x+3)/(x+1)/(x-1)^3$  ogf]  
A139596 21.5584  $-(7+14x+3x^2)/(x-1)/(x+3)/(x+1)$  lgdogf  
A139597 12.6804 [  $-x*(x+7)/(x+1)/(x-1)^3$  ogf]  
A139597 21.5584  $-3*(5+10x+x^2)/(x-1)/(x+7)/(x+1)$  lgdogf

A139598 16.0618 [  $-8*x/(x+1)/(x-1)^3$  ogf]  
A139598 32.3376  $-2*(1+2*x)/(x-1)/(x+1)$  lgdogf  
A139598 34.2090 [[2+x] ogf\_with\_Euler\_transform]  
A139598 5.39388 [  $\{(n+2)*a(n+3)-2*a(n+2)+(-4-n)*a(n+1), a(0) = 0, a(1) = 8, a(2) = 16\}$ , ogf]  
A139606 18.2633 [  $3*(3*x+2)/(x-1)^2$  ogf]  
A139606 27.7920  $-(-3-x+(9+15*x)^(1/2))/(-9+x)$  revogf  
A139606 36.6349  $-(7+3*x)/(3*x+2)/(x-1)$  lgdogf  
A139606 9.90181 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 6, a(1) = 21\}$ , ogf]  
A139607 15.9056 [  $7*(2*x+1)/(x-1)^2$  ogf]  
A139607 8.52586  $2*(252+126*x+2350*x^42+2115*x^43+4230*x^44)/(-252*x^2+126+126*x+1645*x^43+1175*x^42)$  lgdogf  
A139607 8.81514 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 7, a(1) = 28\}$ , ogf]  
A139608 18.0293 [  $4*(5*x+2)/(x-1)^2$  ogf]  
A139608 26.2484  $-(-4-x+2*(4+7*x)^(1/2))/(-20+x)$  revogf  
A139608 36.9864  $-(9+5*x)/(5*x+2)/(x-1)$  lgdogf  
A139608 9.99214 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 8, a(1) = 36\}$ , ogf]  
A139609 17.7570 [  $9*(3*x+1)/(x-1)^2$  ogf]  
A139609 21.0879  $-1/2*(-9-2*x+3*(9+16*x)^(1/2))/(-27+x)$  revogf  
A139609 36.4245  $-(5+3*x)/(3*x+1)/(x-1)$  lgdogf  
A139609 9.84124 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 9, a(1) = 45\}$ , ogf]  
A139610 15.5250 [  $5*(7*x+2)/(x-1)^2$  ogf]  
A139610 23.0525  $-(-5-x+(25+45*x)^(1/2))/(-35+x)$  revogf  
A139610 31.0708  $-(11+7*x)/(7*x+2)/(x-1)$  lgdogf  
A139610 8.68658 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 10, a(1) = 55\}$ , ogf]  
A139611 15.3483 [  $11*(4*x+1)/(x-1)^2$  ogf]  
A139611 17.6605  $-1/2*(-11-2*x+(121+220*x)^(1/2))/(-44+x)$  revogf  
A139611 29.4342  $-2*(3+2*x)/(4*x+1)/(x-1)$  lgdogf  
A139611 8.58774 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 11, a(1) = 66\}$ , ogf]  
A139612 15.5869 [  $6*(9*x+2)/(x-1)^2$  ogf]  
A139612 23.1494  $-(-6-x+(36+66*x)^(1/2))/(-54+x)$  revogf  
A139612 31.2014  $-(13+9*x)/(9*x+2)/(x-1)$  lgdogf  
A139612 8.72123 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 12, a(1) = 78\}$ , ogf]  
A139613 15.2493 [  $13*(5*x+1)/(x-1)^2$  ogf]  
A139613 17.5466  $-1/2*(-13-2*x+(169+312*x)^(1/2))/(-65+x)$  revogf  
A139613 31.9029  $-(7+5*x)/(1+5*x)/(x-1)$  lgdogf  
A139613 8.53237 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 13, a(1) = 91\}$ , ogf]  
A139614 15.4864 [  $7*(11*x+2)/(x-1)^2$  ogf]  
A139614 23.0002  $-(-7-x+(49+91*x)^(1/2))/(-77+x)$  revogf  
A139614 28.5202  $-(15+11*x)/(11*x+2)/(x-1)$  lgdogf  
A139614 8.56306 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 14, a(1) = 105\}$ , ogf]  
A139615 15.5654 [  $15*(6*x+1)/(x-1)^2$  ogf]  
A139615 17.9180  $-1/2*(-15-2*x+(225+420*x)^(1/2))/(-90+x)$  revogf  
A139615 29.8633  $-2*(4+3*x)/(6*x+1)/(x-1)$  lgdogf  
A139615 8.60674 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 15, a(1) = 120\}$ , ogf]  
A139616 15.3185 [  $8*(13*x+2)/(x-1)^2$  ogf]  
A139616 21.1892  $-(-8-x+2*(16+30*x)^(1/2))/(-104+x)$  revogf  
A139616 28.8173  $-(17+13*x)/(13*x+2)/(x-1)$  lgdogf  
A139616 8.65044 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 16, a(1) = 136\}$ , ogf]  
A139617 14.9092 [  $17*(7*x+1)/(x-1)^2$  ogf]  
A139617 17.0948  $-1/2*(-17-2*x+(289+544*x)^(1/2))/(-119+x)$  revogf  
A139617 31.8585  $-(9+7*x)/(7*x+1)/(x-1)$  lgdogf  
A139617 8.41933 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 17, a(1) = 153\}$ , ogf]  
A139618 14.9861 [  $9*(15*x+2)/(x-1)^2$  ogf]  
A139618 21.3508  $-(-9-x+3*(9+17*x)^(1/2))/(-135+x)$  revogf  
A139618 28.1830  $-(19+15*x)/(15*x+2)/(x-1)$  lgdogf  
A139618 8.46273 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 18, a(1) = 171\}$ , ogf]  
A139619 15.0629 [  $19*(8*x+1)/(x-1)^2$  ogf]  
A139619 17.2748  $-1/2*(-19-2*x+(361+684*x)^(1/2))/(-152+x)$  revogf  
A139619 29.5110  $-2*(5+4*x)/(8*x+1)/(x-1)$  lgdogf  
A139619 8.50612 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 19, a(1) = 190\}$ , ogf]

A139620 15.0629 [  $10*(17*x+2)/(x-1)^2$  ogf]  
A139620 20.2361  $-(-10-x+(100+190*x)^(1/2))/(-170+x)$  revogf  
A139620 28.3306  $-(21+17*x)/(17*x+2)/(x-1)$  lgdogf  
A139620 8.50612 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 20, a(1) = 210\}$ , ogf]  
A139626 10.6464 [  $-1/(6*x-1)^5$  ogf]  
A139626 56.6692  $-30/(-1+6*x)$  lgdogf  
A139626 6.52843 [ $\{(-n-2)*a(n+2)+(36+6*n)*a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A139631 10.0635 [  $-(-x^17-x^14-x^13-x^5-x^4-x)/(-x^20+1)$   
ogf\_with\_Euler\_transform]  
A139634 14.8161 [  $(8*x+1)/(2*x-1)/(x-1)$  ogf]  
A139634 16.3314  $-(-11+4*x+16*x^2)/(x-1)/(8*x+1)/(-1+2*x)$  lgdogf  
A139634 16.7502  $-1/4*(-1-3*x+(1+38*x+x^2)^(1/2))/(-4+x)$  revogf  
A139634 8.03283 [ $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
A139635 16.8647 [  $(9*x+1)/(2*x-1)/(x-1)$  ogf]  
A139635 18.1750  $-1/2*(-1-3*x+(1+42*x+x^2)^(1/2))/(-9+2*x)$  revogf  
A139635 18.6294  $-2*(-6+2*x+9*x^2)/(x-1)/(-1+2*x)/(9*x+1)$  lgdogf  
A139635 9.14352 [ $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 12\}$ , ogf]  
A139641 4.99821 [ $\{(-n-2)*a(n+2)+(42+7*n)*a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A139641 43.2065  $-35/(-1+7*x)$  lgdogf  
A139641 7.90761 [  $-1/(7*x-1)^5$  ogf]  
A139672 11.6393  $- (2+8*x+21*x^3+13*x^5+15*x^4+13*x^2)/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)$  lgdogf  
A139672 23.5930 [ $x^3+x^2+2*x+2$  ogf\_with\_Euler\_transform]  
A139672 7.18649 [  $1/(x^2+1)/(x^2+x+1)/(x+1)^3/(x-1)^6$  ogf]  
A139678 19.5595  $-1/2*(x-2)*(x^2+x+2)/(x-1)^2$  lgdegf  
A139697 16.5727 [  $(10*x+1)/(2*x-1)/(x-1)$  ogf]  
A139697 18.2588  $-(-13+4*x+20*x^2)/(x-1)/(10*x+1)/(-1+2*x)$  lgdogf  
A139697 19.1951  $-1/4*(-1-3*x+(1+46*x+x^2)^(1/2))/(-5+x)$  revogf  
A139697 9.18489 [ $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 13\}$ , ogf]  
A139698 10.8743  $1/2*\ln(2*x-23)+1/2*\ln((50*x+1)^(1/2)+24)-1/2*\ln((50*x+1)^(1/2)-24)-\ln(5)$  revegff  
A139698 17.3193 [  $(23*x+1)/(2*x-1)/(x-1)$  ogf]  
A139698 18.2081  $-2*(-13+2*x+23*x^2)/(x-1)/(-1+2*x)/(23*x+1)$  lgdogf  
A139698 9.59863 [ $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 26\}$ , ogf]  
A139700 16.3405 [  $(28*x+1)/(2*x-1)/(x-1)$  ogf]  
A139700 18.0015  $-(-31+4*x+56*x^2)/(x-1)/(-1+2*x)/(28*x+1)$  lgdogf  
A139700 18.0015  $-1/4*(-1-3*x+(1+118*x+x^2)^(1/2))/(-14+x)$  revogf  
A139700 9.05620 [ $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 31\}$ , ogf]  
A139701 16.5437 [  $(98*x+1)/(2*x-1)/(x-1)$  ogf]  
A139701 17.3847  $-(-101+4*x+196*x^2)/(x-1)/(-1+2*x)/(98*x+1)$  lgdogf  
A139701 18.2327  $-1/4*(-1-3*x+(1+398*x+x^2)^(1/2))/(-49+x)$  revogf  
A139701 9.05964 [ $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 101\}$ , ogf]  
A139704 6.89274 [  $- (9*x^10-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2*x-10)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A139714 8.66361 [  $-x^2*(x-1)^2/(2*x-1)/(x^4-2*x^3+4*x^2-3*x+1)$  ogf]  
A139714 9.82399  $-(-3+15*x+30*x^3+6*x^5-20*x^4-30*x^2)/(x-1)/(-1+2*x)/(x^4-2*x^3+4*x^2-3*x+1)$  lgdogf  
A139740 17.0757  $-1/44*(-9-13*x+3*(9+26*x+9*x^2)^(1/2))/x$  revogf  
A139740 17.7439 [  $9*x/(11*x-1)/(2*x-1)$  ogf]  
A139740 23.5526  $-(-13+44*x)/(11*x-1)/(-1+2*x)$  lgdogf  
A139740 8.33752 [ $\{a(n+2)-13*a(n+1)+22*a(n), a(0) = 0, a(1) = 9\}$ , ogf]  
A139741 14.8484  $-1/33*(-4-7*x+2*(2+7*x+2*x^2)^(1/2)*2^(1/2))/x$  revogf  
A139741 17.7439 [  $8*x/(11*x-1)/(3*x-1)$  ogf]  
A139741 23.5526  $-2*(-7+33*x)/(11*x-1)/(3*x-1)$  lgdogf  
A139741 8.33752 [ $\{a(n+2)-14*a(n+1)+33*a(n), a(0) = 0, a(1) = 8\}$ , ogf]  
A139742 14.8484  $-1/88*(-7-15*x+(7+30*x+7*x^2)^(1/2)*7^(1/2))/x$  revogf  
A139742 17.7439 [  $7*x/(11*x-1)/(4*x-1)$  ogf]  
A139742 23.5526  $-(-15+88*x)/(11*x-1)/(-1+4*x)$  lgdogf  
A139742 8.33752 [ $\{a(n+2)-15*a(n+1)+44*a(n), a(0) = 0, a(1) = 7\}$ , ogf]  
A139743 15.1118  $-1/55*(-8*x-3+(3+16*x+3*x^2)^(1/2)*3^(1/2))/x$  revogf  
A139743 17.6671 [  $6*x/(11*x-1)/(5*x-1)$  ogf]

A139743 23.4493  $-2*(-8+55*x)/(11*x-1)/(5*x-1)$  lgdogf  
A139743 8.30142  $[ \{a(n+2)-16*a(n+1)+55*a(n), a(0) = 0, a(1) = 6\}, ogf]$   
A139744 14.4687  $-1/132*(-5-17*x+(5+34*x+5*x^2)^{(1/2)}*5^{(1/2)})/x$  revogf  
A139744 17.6671  $[ 5*x/(11*x-1)/(6*x-1)$  ogf]  
A139744 23.4493  $-(-17+132*x)/(11*x-1)/(6*x-1)$  lgdogf  
A139744 8.30142  $[ \{a(n+2)-17*a(n+1)+66*a(n), a(0) = 0, a(1) = 5\}, ogf]$   
A139745 17.5903  $[ 4*x/(11*x-1)/(7*x-1)$  ogf]  
A139745 18.8065  $-1/77*(-2-9*x+2*(1+9*x+x^2)^{(1/2)})/x$  revogf  
A139745 23.3460  $-2*(-9+77*x)/(11*x-1)/(7*x-1)$  lgdogf  
A139745 8.26533  $[ \{a(n+2)-18*a(n+1)+77*a(n), a(0) = 0, a(1) = 4\}, ogf]$   
A139746 14.4050  $-1/176*(-3-19*x+(3+38*x+3*x^2)^{(1/2)}*3^{(1/2)})/x$  revogf  
A139746 17.5903  $[ 3*x/(11*x-1)/(8*x-1)$  ogf]  
A139746 23.3460  $-(-19+176*x)/(11*x-1)/(8*x-1)$  lgdogf  
A139746 8.26533  $[ \{a(n+2)-19*a(n+1)+88*a(n), a(0) = 0, a(1) = 3\}, ogf]$   
A139747 17.5135  $[ 2*x/(11*x-1)/(9*x-1)$  ogf]  
A139747 18.7233  $-1/99*(-1-10*x+(1+20*x+x^2)^{(1/2)})/x$  revogf  
A139747 22.4680  $-2*(-10+99*x)/(11*x-1)/(9*x-1)$  lgdogf  
A139747 8.22923  $[ \{a(n+2)-20*a(n+1)+99*a(n), a(0) = 0, a(1) = 2\}, ogf]$   
A139748 9.49594  $[ x^3*(x-1)/(2*x-1)/(x^4-2*x^3+4*x^2-3*x+1)$  ogf]  
A139748 9.82399  $-(-4+20*x+40*x^3+8*x^5-25*x^4-40*x^2)/(x-1)/(-1+2*x)/$   
 $(x^4-2*x^3+4*x^2-3*x+1)$  lgdogf  
A139756 17.6495  $[ x^2/(2*x-1)^2$  ogf]  
A139756 58.7480  $-4/(-1+2*x)$  lgdogf  
A139756 6.53030  $[ \{-a(n+3)+4*a(n+2)-4*a(n+1), a(0) = 0, a(1) = 0, a(2) = 1\}, ogf]$   
A139757 10.3922  $[ (9*x^2+14*x+1)/(x-1)^4$  ogf]  
A139757 19.2735  $-6*(x+3)*(3*x+1)/(x-1)/(9*x^2+14*x+1)$  lgdogf  
A139760 14.5343  $[ -(8*x-1)/(16*x-1)/(x-1)$  ogf]  
A139760 14.9185  $-1/16*(-1-17*x+(1+2*x+225*x^2)^{(1/2)})/(2*x+1)$  revogf  
A139760 16.7833  $-(9-32*x+128*x^2)/(x-1)/(8*x-1)/(16*x-1)$  lgdogf  
A139760 8.13226  $[ \{a(n+2)-17*a(n+1)+16*a(n), a(0) = 1, a(1) = 9\}, ogf]$   
A139761 12.2397  $-5*(1-4*x-4*x^3+2*x^4+6*x^2)/(-1+2*x)/(x^4-2*x^3+4*x^2-3*x+1)$   
lgdogf  
A139761 12.6546  $[ -x^4/(2*x-1)/(x^4-2*x^3+4*x^2-3*x+1)$  ogf]  
A139763 5.85577  $-2*(-1-x-7*x^3+2*x^6-4*x^4+x^2)/(x-1)/(-1+2*x)/(x+1)/(x^2+1)/$   
 $(2*x^2+2*x+1)$  lgdogf  
A139763 6.46899  $[ (x-1)*(2*x^2+2*x+1)/(2*x-1)/(x+1)/(x^2+1)$  ogf]  
A139782 11.1302  $[ -(x-1)^2/(3*x-1)/(x^2-x+1)$  ogf]  
A139782 14.7947  $-(-2+4*x+3*x^3-9*x^2)/(x-1)/(3*x-1)/(x^2-x+1)$  lgdogf  
A139782 6.06199  $[ \{a(n+3)-4*a(n+2)+4*a(n+1)-3*a(n), a(0) = 1, a(1) = 2, a(2) = 5\}, ogf]$   
A139784 6.83828  $-2*(-1-6*x^3-46*x^8+16*x^7-16*x^11+19*x^4+40*x^12)/(x-1)/$   
 $(-1+2*x)/(x+1)/(2*x^2+1)/(2*x^2-1)/(x^2+1)/(2*x^4-1)$  lgdogf  
A139784 9.55605  $[ x^4*(2*x^4-1)/(x-1)/(2*x-1)/(x+1)/(2*x^2+1)/(2*x^2-1)/(x^2+1)$   
ogf]  
A139788 10.9888  $[ -(5*x^4+9*x^3+3*x^2+7*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A139788 6.69945  $- (7+6*x+20*x^3+5*x^8+18*x^7+9*x^6+28*x^5+5*x^4+27*x^2)/(x-1)/$   
 $(x^4+x^3+x^2+x+1)/(5*x^4+9*x^3+3*x^2+7*x+1)$  lgdogf  
A139790 13.2090  $[ -(3*x^2+x-1)/(x+1)/(2*x-1)^2$  ogf]  
A139790 16.1013  $-(-2+2*x+6*x^3+7*x^2)/(-1+2*x)/(x+1)/(3*x^2+x-1)$  lgdogf  
A139790 7.44765  $[ \{-a(n+3)+3*a(n+2)-4*a(n), a(0) = 1, a(1) = 2, a(2) = 3\}, ogf]$   
A139792 14.7849  $[ -(6*x-1)/(16*x-1)/(x-1)$  ogf]  
A139792 15.1802  $-1/4*(-1-17*x+(1+10*x+225*x^2)^{(1/2)})/(8*x+3)$  revogf  
A139792 17.0778  $-(11-32*x+96*x^2)/(x-1)/(6*x-1)/(16*x-1)$  lgdogf  
A139792 8.17515  $[ \{a(n+2)-17*a(n+1)+16*a(n), a(0) = 1, a(1) = 11\}, ogf]$   
A139797 7.17621  $[ -x^4/(2*x-1)/(x^2-x+1)/(x+1)^2$  ogf]  
A139797 9.51628  $- (1+3*x+10*x^3-6*x^2)/(-1+2*x)/(x+1)/(x^2-x+1)$  lgdogf  
A139798 18.2814  $-2*(19-22*x+6*x^2)/(x-1)/(x-2)/(3*x-4)$  lgdogf  
A139798 7.96402  $[ (3*x-4)*(x-2)/(x-1)^6$  ogf]  
A139800 11.9065  $-2*x^3*(-4+x^3+2*x^2+3*x)/(-1+2*x)/(x+1)/(x^2+1)/(x^3+x^2+x-1)$   
lgdogf  
A139800 9.63362  $[ (x^3+x^2+x-1)/(2*x-1)/(x+1)/(x^2+1)$  ogf]



A139806 10.5791 [  $-(4x^3+3x^2+2x+1)/(2x-1)/(x+1)/(x^2+1)$  ogf]  
A139806 9.52957  $-(3+8x+4x^3+8x^6+12x^5+11x^4+14x^2)/(-1+2x)/(x+1)/(x^2+1)/(4x^3+3x^2+2x+1)$  lgdogf  
A139814 9.85822  $-(3+8x+12x^3+12x^5+15x^4+2x^2)/(-1+2x)/(x+1)/(x^2+1)/(3x^2+2x+1)$  lgdogf  
A139814 9.86686 [  $-x(3x^2+2x+1)/(2x-1)/(x+1)/(x^2+1)$  ogf]  
A139817 6.66422 [  $-x(x^{10}-x^9+2x^7-x^6+2x^4-x^3+1)/(2x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A139818 11.2378 [  $-x(2x-1)/(x-1)/(2x+1)/(4x-1)$  ogf]  
A139818 11.4709  $-(1+12x+32x^3-36x^2)/(x-1)/(2x+1)/(-1+2x)/(-1+4x)$  lgdogf  
A139818 5.77078 [  $\{a(n+3)-3a(n+2)-6a(n+1)+8a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
A139819 7.26040 [  $-(9x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2x-10)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A139820 13.8815 [  $-(8x^2-4x+8)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A140044 7.19593 [  $-(25x^3-50x^2+10x+1)/(10x-1)/(125x^4-25x^2+1)$  ogf]  
A140045 5.84021 [  $-(216x^4-468x^3-78x^2+28x+1)/(6x-1)/(15x-1)/(3x+1)/(6x+1)/(12x^2-1)$  ogf]  
A140058 10.0095 [  $-(19x^5-x^4-x^3-x^2-x-25)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A140058 7.30185  $-(-26-28x-32x^3+17x^8+15x^7+13x^6+11x^5-59x^4+19x^9-30x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(19x^5-x^4-x^3-x^2-x-25)$  lgdogf  
A140062 12.5956 [  $(99x+1)/(2x-1)/(x-1)$  ogf]  
A140062 13.1750  $-1/2*(-1-3x+(1+402x+x^2)^{1/2})/(-99+2x)$  revogf  
A140062 13.1750  $-2*(-51+2x+99x^2)/(x-1)/(99x+1)/(-1+2x)$  lgdogf  
A140062 6.89760 [  $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 1, a(1) = 102\}$ , ogf]  
A140063 10.3901 [  $-(5x^2+x+1)/(x-1)^3$  ogf]  
A140063 19.3482  $-(x+2)*(5x+2)/(x-1)/(5x^2+x+1)$  lgdogf  
A140063 5.60881 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 14\}$ , ogf]  
A140064 11.6491 [  $-(8x^2+1)/(x-1)^3$  ogf]  
A140064 20.9433  $-(3+16x+8x^2)/(x-1)/(8x^2+1)$  lgdogf  
A140064 5.87609 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 14\}$ , ogf]  
A140065 14.3199 [  $-(6x^2+1)/(x-1)^3$  ogf]  
A140065 25.0260  $-3*(1+4x+2x^2)/(x-1)/(6x^2+1)$  lgdogf  
A140065 7.22329 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 12\}$ , ogf]  
A140066 11.1961 [  $-(4x^2+1)/(x-1)^3$  ogf]  
A140066 19.4819  $-(2x+3)*(2x+1)/(x-1)/(1+4x^2)$  lgdogf  
A140066 5.64758 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]  
A140081 15.2593 [  $-x(2x^2+x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A140081 15.6076  $-(1+4x+4x^3+4x^5+3x^4)/(x-1)/(x+1)/(x^2+1)/(2x^2+x+1)$  lgdogf  
A140085 10.1633 [  $-x(3x^6+2x^5+2x^4+x^3+2x^2+x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A140090 12.4148 [  $x(2x-5)/(x-1)^3$  ogf]  
A140090 27.8516  $-(-13+4x)/(x-1)/(-5+2x)$  lgdogf  
A140090 6.31825 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 13\}$ , ogf]  
A140091 12.4812 [  $3x*(x-2)/(x-1)^3$  ogf]  
A140091 33.3369  $-(-5+2x)/(x-1)/(x-2)$  lgdogf  
A140091 6.35204 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 15\}$ , ogf]  
A140096 5.23274 [  $-x(x^4-2x^3+x^2+2x-1)/(2x-1)/(x+1)/(x^2-x+1)/(x^2+x-1)$  ogf]  
A140096 5.35821  $-(1-4x+4x^9+8x^3-11x^8+4x^7+26x^6-12x^5-9x^4+2x^2)/(-1+2x)/(x+1)/(x^2+x-1)/(x^4-2x^3+x^2+2x-1)/(x^2-x+1)$  lgdogf  
A140106 19.9214 [  $x^3/(x+1)/(x-1)^2$  ogf]  
A140106 42.5581 [  $[1+x]$  ogf\_with\_Euler\_transform]

A140106 44.6065  $-(1+3*x)/(x-1)/(x+1)$  lgdogf  
A140106 6.94931  $[{-a(n+4)+a(n+3)+a(n+2)-a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1}]$ , ogf]  
A140107 45.2825  $-28/(-1+7*x)$  lgdogf  
A140107 5.23539  $[{(-n-2)*a(n+2)+(35+7*n)*a(n+1), a(0) = 1, a(1) = 28}]$ , ogf]  
A140107 9.56812  $[1/(7*x-1)^4]$  ogf]  
A140113 12.5865  $-(-5-11*x+3*x^5-15*x^4-36*x^2)/(x-1)/(x+1)/(1+x^2)/(x^2-4*x-1)$  lgdogf  
A140113 7.87715  $[-(x^2+1)*(x^2-4*x-1)/(x+1)^3/(x-1)^4]$  ogf]  
A140132 8.11280  $[ -x*(9*x^10+9*x^9+9*x^8+5*x^7+4*x^6+3*x^5+8*x^4+7*x^3+6*x^2+2*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)]$  ogf]  
A140134 4.02344  $[ - (4*x^15+2*x^14+x^13+32*x^12+16*x^11+8*x^10+504*x^9+252*x^8+126*x^7+63*x^6+32*x^5+16*x^4+8*x^3+4*x^2+2*x+1)/(1000*x^10-1)]$  ogf]  
A140139 17.3499  $[ -(x^3-2*x^2-1)/(x-1)^2]$  ogf]  
A140139 26.2673  $(2+4*x+x^3-3*x^2)/(x-1)/(x^3-2*x^2-1)$  lgdogf  
A140139 8.67493  $[{a(n+4)-2*a(n+3)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 7}]$ , ogf]  
A140142 3.95011  $[ (x^8+16*x^7-4*x^6+176*x^5+6*x^4+176*x^3-4*x^2+16*x+1)/(x+1)^5/(x-1)^6]$  ogf]  
A140144 16.9148  $-2*(-1-4*x-x^3+x^4-x^2)/(x-1)/(x+1)/(x^3-x^2-x-1)$  lgdogf  
A140144 9.94114  $[ (x^3-x^2-x-1)/(x+1)^2/(x-1)^3]$  ogf]  
A140145 5.35392  $[ -(x^6+8*x^5-x^4+32*x^3-x^2+8*x+1)/(x+1)^4/(x-1)^5]$  ogf]  
A140145 8.10550  $-3*(3+5*x+7*x^3+x^7+11*x^6+3*x^5+77*x^4+53*x^2)/(x-1)/(x+1)/(x^6+8*x^5-x^4+32*x^3-x^2+8*x+1)$  lgdogf  
A140146 4.12865  $[ -(x^2+1)*(x^6-16*x^5-3*x^4-160*x^3+3*x^2-16*x-1)/(x+1)^5/(x-1)^6]$  ogf]  
A140146 5.38936  $- (-17-23*x-158*x^3-63*x^8-18*x^7-1170*x^6-188*x^5-2288*x^4-686*x^2+3*x^9)/(x-1)/(x+1)/(x^2+1)/(x^6-16*x^5-3*x^4-160*x^3+3*x^2-16*x-1)$  lgdogf  
A140148 10.1678  $-2*(1+10*x+16*x^3+x^6+2*x^5-x^4+3*x^2)/(x-1)/(x+1)/(x^5+x^4-2*x^3+6*x^2+x+1)$  lgdogf  
A140148 6.73486  $[ (x^5+x^4-2*x^3+6*x^2+x+1)/(x+1)^3/(x-1)^4]$  ogf]  
A140149 5.16209  $[ (x^6-8*x^5+5*x^4-32*x^3-5*x^2-8*x-1)/(x+1)^4/(x-1)^5]$  ogf]  
A140149 7.04483  $-(-9-27*x-47*x^3+3*x^7-31*x^6+23*x^5-227*x^4-165*x^2)/(x-1)/(x+1)/(x^6-8*x^5+5*x^4-32*x^3-5*x^2-8*x-1)$  lgdogf  
A140150 3.92888  $[ (x^8+16*x^7+4*x^6+176*x^5-10*x^4+176*x^3+4*x^2+16*x+1)/(x+1)^5/(x-1)^6]$  ogf]  
A140152 4.87833  $[ (x^7-x^6-3*x^5-23*x^4+3*x^3-23*x^2-x-1)/(x+1)^4/(x-1)^5]$  ogf]  
A140152 6.74938  $-2*(-1-28*x-125*x^3+x^8-x^7-3*x^6-62*x^5-10*x^4-11*x^2)/(x-1)/(x+1)/(x^7-x^6-3*x^5-23*x^4+3*x^3-23*x^2-x-1)$  lgdogf  
A140153 5.15124  $[ -(x^6+2*x^5+23*x^4-4*x^3+23*x^2+2*x+1)/(x+1)^4/(x-1)^5]$  ogf]  
A140153 7.44520  $-3*(1+19*x+83*x^3+x^7+3*x^6+41*x^5+3*x^4+9*x^2)/(x-1)/(x+1)/(x^6+2*x^5+23*x^4-4*x^3+23*x^2+2*x+1)$  lgdogf  
A140154 5.45650  $[ -(x^2+1)*(x^4-4*x^3+22*x^2+4*x+1)/(x+1)^4/(x-1)^5]$  ogf]  
A140154 7.52275  $-(5+59*x+253*x^3+3*x^7-15*x^6+117*x^5+3*x^4+55*x^2)/(x-1)/(x+1)/(x^2+1)/(x^4-4*x^3+22*x^2+4*x+1)$  lgdogf  
A140155 3.93042  $[ -(x^2+1)*(x^6-16*x^5+21*x^4-160*x^3-21*x^2-16*x-1)/(x+1)^5/(x-1)^6]$  ogf]  
A140157 3.78941  $[ (x^9+x^8-4*x^7+76*x^6+6*x^5+230*x^4-4*x^3+76*x^2+x+1)/(x+1)^5/(x-1)^6]$  ogf]  
A140158 3.95507  $[ (x^8-2*x^7+76*x^6+6*x^5+230*x^4-6*x^3+76*x^2+2*x+1)/(x+1)^5/(x-1)^6]$  ogf]  
A140158 5.29695  $-(3+165*x+1598*x^3-7*x^8+386*x^7+98*x^6+2072*x^5+212*x^4+78*x^2+3*x^9)/(x-1)/(x+1)/(x^8-2*x^7+76*x^6+6*x^5+230*x^4-6*x^3+76*x^2+2*x+1)$  lgdogf  
A140159 3.97417  $[ (x^8+4*x^7+76*x^6-4*x^5+230*x^4-4*x^3+76*x^2+4*x+1)/(x+1)^5/(x-1)^6]$  ogf]  
A140160 3.78421  $[ (x^8-8*x^7+76*x^6-24*x^5+230*x^4+24*x^3+76*x^2+8*x+1)/(x+1)^5/(x-1)^6]$  ogf]  
A140164 12.9378  $[ (2*x^4+2*x^3+x^2+1)/(x-1)^2]$  ogf]

A140164 15.8612  $2*(-1-x-3*x^3+2*x^4-3*x^2)/(x-1)/(2*x^4+2*x^3+x^2+1)$  lgdogf  
A140164 6.62169  $[ \{a(n+5)-2*a(n+4)+a(n+3), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8, a(4) = 14\}, ogf]$   
A140165 12.1440  $[ -(3*x+1)/(3*x^2-x-1) ogf]$   
A140165 15.4902  $1/6*(x-1+(13*x^2+10*x+1)^(1/2))/(1+x)$  revogf  
A140165 16.8570  $-(2+6*x+9*x^2)/(3*x+1)/(3*x^2-x-1)$  lgdogf  
A140165 6.66440  $[ \{a(n+2)+a(n+1)-3*a(n), a(0) = 1, a(1) = 2\}, ogf]$   
A140167 15.7155  $-1/6*(-1-x+(1+2*x+13*x^2)^(1/2))/x$  revogf  
A140167 20.6133  $[ 1/(3*x^2-x-1) ogf]$   
A140167 25.4442  $-(-1+6*x)/(3*x^2-x-1)$  lgdogf  
A140167 8.29561  $[ \{a(n+2)+a(n+1)-3*a(n), a(0) = -1, a(1) = 1\}, ogf]$   
A140184 11.1913  $[ -(16*x^2+12*x+1)/(2*x+1)/(8*x^2+4*x-1) ogf]$   
A140184 6.27098  $[ \{a(n+3)-2*a(n+2)-16*a(n+1)-16*a(n), a(0) = 1, a(1) = 14, a(2) = 60\}, ogf]$   
A140184 9.79304  $-2*(7+32*x+192*x^3+128*x^4+104*x^2)/(2*x+1)/(8*x^2+4*x-1)/(16*x^2+12*x+1)$  lgdogf  
A140201 13.9991  $-2*(1+3*x+4*x^3+3*x^5+3*x^4+2*x^2)/(x-1)/(x+1)/(x^2+1)/(2*x^2+x+1)$  lgdogf  
A140201 14.4138  $[ x*(2*x^2+x+1)/(x+1)/(x^2+1)/(x-1)^2 ogf]$   
A140205 9.52331  $[ x*(3*x^6+2*x^5+2*x^4+x^3+2*x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]$   
A140220 47.6911  $-40/(-1+5*x)$  lgdogf  
A140220 5.25995  $[ 1/(5*x-1)^8 ogf]$   
A140220 5.50807  $[ \{(-n-2)*a(n+2)+(45+5*n)*a(n+1), a(0) = 1, a(1) = 40\}, ogf]$   
A140226 17.9176  $-4*(x+1)*(x^2-x+1)/(x-1)/(x^4+1)$  lgdogf  
A140226 20.1061  $[-x^7+x^3+4 ogf\_with\_Euler\_transform]$   
A140226 9.04149  $[ (x^4+1)/(x-1)^4 ogf]$   
A140227 10.1114  $[ -(x+1)*(x^4-x^3+x^2-x+1)/(x-1)^5 ogf]$   
A140227 18.5926  $-5*(x^4+1)/(x-1)/(x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
A140227 25.9649  $[-x^9+x^4+5 ogf\_with\_Euler\_transform]$   
A140227 3.71744  $[ \{(n^2+5*n)*a(n)+(-2*n^2-4*n+18)*a(n+1)+(n^2-n-6)*a(n+2), a(0) = 1, a(1) = 5, a(2) = 15, a(3) = 35, a(4) = 70, a(5) = 127\}, ogf]$   
A140228 10.9624  $-6*(x+1)*(x^4-x^3+x^2-x+1)/(x-1)/(x^2+1)/(x^4-x^2+1)$  lgdogf  
A140228 19.2735  $[-x^{11}+x^5+6 ogf\_with\_Euler\_transform]$   
A140228 6.94974  $[ (x^2+1)*(x^4-x^2+1)/(x-1)^6 ogf]$   
A140229 10.7151  $[ (x^4-x^3-x^2-x-1)/(x-1)^3 ogf]$   
A140229 17.2234  $(4+4*x-4*x^3+x^4+4*x^2)/(x-1)/(x^4-x^3-x^2-x-1)$  lgdogf  
A140229 5.61269  $[ \{-a(n+5)+3*a(n+4)-3*a(n+3)+a(n+2), a(0) = 1, a(1) = 4, a(2) = 10, a(3) = 20, a(4) = 33\}, ogf]$   
A140230 12.6382  $- (2*x^2+2*x-3)*(2*x^2-4*x+1)/(x-1)/(2*x^2-1)/(2*x^2-2*x+1)$  lgdogf  
A140230 8.86317  $[ (x-1)*(2*x^2-1)/(2*x^2-2*x+1)^2 ogf]$   
A140236 3.76512  $[ x*(4*x^5+80*x^4+120*x^3+65*x^2+10*x+1)/(x-1)^{10} ogf]$   
A140236 7.74161  $-20*(x+1)*(x^4+24*x^3+34*x^2+10*x+1)/(x-1)/(4*x^5+80*x^4+120*x^3+65*x^2+10*x+1)$  lgdogf  
A140252 11.0852  $[ x*(2*x^2+1)/(x-1)/(2*x+1)/(2*x-1) ogf]$   
A140252 11.0991  $-(-1-12*x+8*x^4+14*x^2)/(x-1)/(2*x+1)/(-1+2*x)/(1+2*x^2)$  lgdogf  
A140252 4.82331  $[ \{-a(n+4)+a(n+3)+4*a(n+2)-4*a(n+1), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 7\}, ogf]$   
A140253 10.0363  $[ (x^2+3*x-1)/(x-1)/(2*x-1)/(x+1) ogf]$   
A140253 10.5616  $-(-1+12*x^3+2*x^4-7*x^2)/(x-1)/(-1+2*x)/(x+1)/(x^2+3*x-1)$  lgdogf  
A140253 5.46621  $[ \{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = -1, a(1) = 1, a(2) = 2\}, ogf]$   
A140282 13.4608  $[ x*(x+2)^2/(x^2+x+1)/(x-1)^2 ogf]$   
A140282 20.5374  $-(4+3*x+2*x^3+9*x^2)/(x+2)/(x-1)/(x^2+x+1)$  lgdogf  
A140282 5.33507  $[ \{(3*n+10)*a(n+1)+3*a(n+2)+3*a(n+3)+(-3*n-7)*a(n+4), a(0) = 0, a(1) = 4, a(2) = 8, a(3) = 9\}, ogf]$   
A140287 6.17851  $[ -x^2*(x-1)*(7*x^8+3*x^7+x^6+5*x^4+x^3+1)/(3*x^4+1)/(5*x^8+4*x^4+1) ogf]$   
A140289 20.4995  $[ x^2/(3*x+1)/(5*x^2+4*x+1) ogf]$   
A140289 8.60246  $[ \{-a(n+3)-7*a(n+2)-17*a(n+1)-15*a(n), a(0) = 0, a(1) = 0, a(2) =$

1}], ogf]  
A140290 10.5676 [  $-(7x^2+5x+1)/(3x+1)/(5x^2+4x+1)$  ogf]  
A140290 5.84000 [  $\{-a(n+3)-7a(n+2)-17a(n+1)-15a(n), a(0) = -1, a(1) = 2, a(2) = -4\}$ , ogf]  
A140295 12.2555 [  $-(5x^2-3x+1)/(2x-1)/(x^2+x+1)$  ogf]  
A140295 12.2835  $-2*(-1+6x-6x^3+5x^4-x^2)/(-1+2x)/(x^2+x+1)/(5x^2-3x+1)$  lgdogf  
A140295 6.67489 [  $\{a(n+3)-a(n+2)-a(n+1)-2a(n), a(0) = 1, a(1) = -2, a(2) = 4\}$ , ogf]  
A140298 3.65024 [  $-(3x^4+6x^3+6x^2+3x+1)/(3x^3-1)/(x^2+x+1)$  ogf]  
A140300 18.9834 [  $-1/(1024x-1)$  ogf]  
A140300 23.4742  $1/1024*\ln(1+1024x)$  revegef  
A140300 26.2358  $-1024/(-1+1024x)$  lgdogf  
A140300 8.28365 [  $\{a(n+1)-1024a(n), a(0) = 1\}$ , ogf]  
A140302 4.45037 [  $-x^2*(x-1)*(x^8+x^6-x^4+x^3+1)/(2x^8-2x^4+1)$  ogf]  
A140302 5.12598  $(4x^{13}+4x^9-2x^{14}-3x^8+8x^7+5x^6-6x^5-8x^{11}+x^4+2x^{16}+4x^{10}-4x^{12}-3x^2+1)/(x-1)/(x^8+x^6-x^4+x^3+1)/(2x^8-2x^4+1)$  lgdogf  
A140313 3.94768 [  $(x-1)*(x^3+3x^2+2x+1)/(3x^3-1)/(x^2+x+1)$  ogf]  
A140318 11.1832 [  $x^{17}-x^8-x^5-x^3+x^2+x-1$  ogf\_with\_Euler\_transform]  
A140318 9.42514 [  $-x*(x-1)*(x^2+1)/(x^6-x^3+1)$  ogf]  
A140322 12.5517 [  $(2x^2-2x+1)/(x-1)/(4x-1)/(x+1)$  ogf]  
A140322 6.77570 [  $\{a(n+3)-4a(n+2)-a(n+1)+4a(n), a(0) = 1, a(1) = 2, a(2) = 11\}$ , ogf]  
A140323 16.3090 [  $-(6x+1)/(x+1)/(4x-1)$  ogf]  
A140323 8.95006 [  $\{a(n+2)-3a(n+1)-4a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A140325 5.83542 [  $-1/(2x-1)^9$  ogf]  
A140325 5.89047 [  $\{(-n-2)*a(n+2)+(20+2n)*a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A140325 51.0022  $-18/(-1+2x)$  lgdogf  
A140335 7.07244 [[2] ogf\_with\_Euler\_transform]  
A140342 10.6732  $-(-1+2x)*(3x^4-6x^3+15x^2-12x+5)/(11x^2+1-5x+9x^4-13x^3+x^6-3x^5)$  lgdogf  
A140342 10.9565 [  $x^5/(x^6-3x^5+9x^4-13x^3+11x^2-5x+1)$  ogf]  
A140343 13.9434 [  $x^4/(x^2-x+1)/(3x^2-3x+1)$  ogf]  
A140343 16.6732  $-2*(-1+2x)*(3x^2-3x+2)/(x^2-x+1)/(3x^2-3x+1)$  lgdogf  
A140345 15.2507 [  $(2x^4-x^3-x^2-x-1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A140346 32.5819  $-45+(1-5x)*f(x)$  lgdogf  
A140346 5.02493 [  $\{(-n-2)*a(n+2)+(50+5n)*a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A140354 5.11117 [  $1/(2x-1)^{10}$  ogf]  
A140354 53.0629  $-20/(-1+2x)$  lgdogf  
A140354 6.12375 [  $\{(-n-2)*a(n+2)+(22+2n)*a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A140359 11.5903  $-(-1-8x-4x^3+6x^4+13x^2)/(x-1)/(-1+2x)/(x+1)/(3x^2-x+1)$  lgdogf  
A140359 11.8176 [  $(3x^2-x+1)/(x-1)/(2x-1)/(x+1)$  ogf]  
A140359 6.43638 [  $\{a(n+3)-2a(n+2)-a(n+1)+2a(n), a(0) = 1, a(1) = 1, a(2) = 6\}$ , ogf]  
A140360 13.7881 [  $-(3x^2+x+1)/(2x+1)/(x-1)$  ogf]  
A140360 21.4647  $-5x*(x+2)/(x-1)/(2x+1)/(3x^2+x+1)$  lgdogf  
A140360 7.23536 [  $\{-a(n+3)-a(n+2)+2a(n+1), a(0) = 1, a(1) = 0, a(2) = 5\}$ , ogf]  
A140402 7.78362 [  $-x^4*(x^5+2x^4+3x^3+3x^2+3x+1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A140403 7.09729 [  $-8x^4*(x^5+2x^4+3x^3+3x^2+3x+1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A140404 43.4426  $-42/(-1+7x)$  lgdogf  
A140404 5.02493 [  $\{(-n-2)*a(n+2)+(49+7n)*a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A140404 6.26639 [  $1/(7x-1)^6$  ogf]  
A140405 46.4868  $-35/(-1+5x)$  lgdogf  
A140405 5.37173 [  $\{(-n-2)*a(n+2)+(40+5n)*a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A140405 6.18916 [  $-1/(5x-1)^7$  ogf]  
A140406 4.83895 [  $\{(-n-2)*a(n+2)+(64+8n)*a(n+1), a(0) = 1, a(1) = 56\}$ , ogf]  
A140406 41.8199  $-56/(-1+8x)$  lgdogf

A140406 5.18110 [  $-1/(8*x-1)^7$  ogf]  
A140407 12.8867 [  $-(3*x^2+3*x+1)/(x+1)/(2*x^2-1)$  ogf]  
A140407 13.0686  $-(2+10*x+12*x^2+6*x^3+15*x^4)/(x+1)/(3*x^2+3*x+1)/(2*x^2-1)$   
lgdogf  
A140407 7.01867 [  $\{-a(n+3)-a(n+2)+2*a(n+1)+2*a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$ ,  
ogf]  
A140413 12.7119 [  $-(x-1)^2/(x+1)/(x^2+4*x-1)$  ogf]  
A140413 17.3272  $-(-1-13*x+x^3-3*x^2)/(x-1)/(x+1)/(x^2+4*x-1)$  lgdogf  
A140413 6.92346 [  $\{-a(n+3)+3*a(n+2)+5*a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 9\}$ ,  
ogf]  
A140420 7.83594  $-(3-4*x+44*x^2+36*x^3-51*x^4-20*x^5)/(x-1)/(3*x-1)/(-1+2*x)/(x$   
 $+1)/(3*x^2-2*x+1)$  lgdogf  
A140420 8.61388 [  $-x*(3*x^2-2*x+1)/(x-1)/(3*x-1)/(2*x-1)/(x+1)$  ogf]  
A140426 10.2672  $-(1+x^2)*(4*x^8+8*x^7+2*x^6+8*x^5+8*x^4+4*x^3+2*x^2+4*x+1)/$   
 $(2*x^6-1)/(2*x^5+2*x^4+x^3+2*x^2+x+1)$  lgdogf  
A140426 13.7349 [  $-(2*x^5+2*x^4+x^3+2*x^2+x+1)/(2*x^6-1)$  ogf]  
A140427 8.93195 [  $x^4*(x^4+x^3+x^2+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A140428 6.80883  $-(1+12*x^3+3*x^8-8*x^7+8*x^6-4*x^5+x^4-10*x^2+12*x^9)/(-1+2*x)/$   
 $(x+1)/(x^2-x+1)/(x^2+x-1)/(3*x^4-x^2+2*x-1)$  lgdogf  
A140428 7.55054 [  $-x*(3*x^4-x^2+2*x-1)/(2*x-1)/(x+1)/(x^2-x+1)/(x^2+x-1)$  ogf]  
A140429 22.5026 [  $-x/(3*x-1)$  ogf]  
A140429 49.4376  $1/3*\ln(1+3*x)$  revvegf  
A140429 58.4263  $-3/(-1+3*x)$  lgdogf  
A140429 9.19121 [  $\{-a(n+2)+3*a(n+1), a(0) = 0, a(1) = 1\}$ , ogf]  
A140430 11.7566 [  $-(2*x^2-x+3)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A140430 5.40829  $-(2+4*x+14*x^2+4*x^3+5*x^4-11*x^5)/(x-1)/(x+1)/(x^2-x+1)/(2*x^2-$   
 $x+3)$  lgdogf  
A140431 10.0903 [  $-2*x*(x^2+x-1)/(x-1)/(3*x-1)/(2*x+1)$  ogf]  
A140431 10.5899  $-(1+8*x+12*x^2+6*x^3-21*x^4)/(x-1)/(-1+3*x)/(2*x+1)/(x^2+x-1)$   
lgdogf  
A140431 4.96873 [  $\{-a(n+4)+2*a(n+3)+5*a(n+2)-6*a(n+1), a(0) = 0, a(1) = 2, a(2) =$   
 $2, a(3) = 12\}$ , ogf]  
A140455 13.6152  $1/2/x*(-1-13*x+(1+26*x+173*x^2)^(1/2))$  revogf  
A140455 13.8433 [  $-x/(x^2+13*x-1)$  ogf]  
A140455 23.5171  $-(13+2*x)/(x^2-1+13*x)$  lgdogf  
A140455 6.41521 [  $\{-a(n+2)+13*a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A140462 12.2447  $-(x^2+1)*(5*x^3+14*x^2+8*x+3)/(x-1)/(x^2+x+1)/(x^3+2*x^2+x+1)$   
lgdogf  
A140462 6.41691 [  $x^3*(x^3+2*x^2+x+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A140477 27.8788 [[127-127\*x] ogf\_with\_Euler\_transform]  
A140477 46.6313  $-127+(1+x)*f(x)$  lgdogf  
A140477 6.58362 [  $\{(-n-2)*a(n+2)+(126-n)*a(n+1), a(0) = 1, a(1) = 127\}$ , ogf]  
A140494 13.6560 [  $(3*x^4+8*x^3+1)/(x-1)^2$  ogf]  
A140494 16.2253  $2*(-1-2*x^3+3*x^4-12*x^2)/(x-1)/(3*x^4+8*x^3+1)$  lgdogf  
A140495 6.93027 [  $-x*(9*x^11+3*x^10+6*x^9+3*x^5+3*x^4+3*x^3+3*x^2+2*x+1)/$   
 $(3*x^9-3*x^6+3*x^3-1)$  ogf]  
A140498 14.0454 [  $-(x^2+1)/(3*x^3-3*x^2+3*x-1)$  ogf]  
A140498 16.3901  $-(3-4*x+3*x^4+6*x^2)/(x^2+1)/(3*x^3-3*x^2+3*x-1)$  lgdogf  
A140498 7.14809 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-3*a(n), a(0) = 1, a(1) = 3, a(2) =$   
 $7\}$ , ogf]  
A140500 10.7132 [  $(x-1)*(x^4-x^3-2*x-1)/(x^6-x^3+1)$  ogf]  
A140500 11.0269  $-(-1+4*x+6*x^3+3*x^8-6*x^7+3*x^6+6*x^5-3*x^4+x^10-6*x^2-4*x^9)/$   
 $(x-1)/(x^4-x^3-2*x-1)/(x^6-x^3+1)$  lgdogf  
A140504 14.6517 [  $-(9*x-5)/(2*x-1)/(x-1)$  ogf]  
A140504 16.1398  $-1/2*(-5-3*x+(25-6*x+x^2)^(1/2))/(9+2*x)$  revogf  
A140504 16.1398  $-2*(3-10*x+9*x^2)/(9*x-5)/(x-1)/(-1+2*x)$  lgdogf  
A140504 8.04056 [  $\{a(n+2)-3*a(n+1)+2*a(n), a(0) = 5, a(1) = 6\}$ , ogf]  
A140505 12.3026  $-(1-6*x-8*x^3+20*x^4-23*x^2)/(2*x+1)/(-1+2*x)/(x+1)/(5*x^2-x-2)$   
lgdogf  
A140505 12.8226 [  $(5*x^2-x-2)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A140505 6.98372 [  $\{-a(n+3)-a(n+2)+4*a(n+1)+4*a(n), a(0) = 2, a(1) = -1, a(2) =$

4}], ogf]

A140520 32.5819  $-50+(1-5*x)*f(x)$  lgdogf

A140520 5.02493  $[ \{ (-n-2)*a(n+2)+(55+5*n)*a(n+1), a(0) = 1, a(1) = 50 \}, ogf ]$

A140526 11.7586  $-(4+9*x+8*x^3+x^5+8*x^2)/(x-1)/(x^4+4*x^2+1)$  lgdegf

A140529 14.4929  $[ -(2*x-5)/(4*x-1)/(x-1) ogf ]$

A140529 14.8753  $-1/4*(-5-5*x+(25+42*x+9*x^2)^(1/2))/(2*x+1)$  revogf

A140529 15.9910  $-(23-40*x+8*x^2)/(-5+2*x)/(x-1)/(-1+4*x)$  lgdogf

A140529 7.85761  $[ \{-a(n+2)+5*a(n+1)-4*a(n), a(0) = 5, a(1) = 23 \}, ogf ]$

A140576 8.49468  $[ x*(x+1)*(x^2+1)*(x^4+1)/(x-1)/(3*x^4+1)/(3*x^4-1) ogf ]$

A140590 2.90895  $[ -(5*x^2+x-3)/(x-1)/(2*x+1)/(2*x-1) ogf ]$

A140657 17.5534  $[ (5*x-4)/(x+1)/(2*x-1) ogf ]$

A140657 20.1509  $-(7-4*x+16*x^2)/(8*x-1)/(-1+2*x)/(x+1)$  lgdogf

A140657 20.6956  $-1/4*(x-1+(9*x^2+30*x+1)^(1/2))/(4+x)$  revogf

A140657 9.63299  $[ \{ a(n+2)-a(n+1)-2*a(n), a(0) = 4, a(1) = -1 \}, ogf ]$

A140659 12.1399  $[ x^2*(2*x^2+1)/(x-1)/(2*x-1)/(x+1)/(x^2+1) ogf ]$

A140659 9.16854  $-2*(-1-2*x-2*x^3+6*x^6-2*x^5+5*x^4+2*x^2)/(x-1)/(-1+2*x)/(x+1)/(2*x^2+1)/(x^2+1)$  lgdogf

A140660 14.0052  $[ -(7*x-4)/(4*x-1)/(x-1) ogf ]$

A140660 14.3649  $-1/2*(-4-5*x+(16+12*x+9*x^2)^(1/2))/(7+4*x)$  revogf

A140660 15.4423  $-(13-32*x+28*x^2)/(x-1)/(7*x-4)/(-1+4*x)$  lgdogf

A140660 7.59317  $[ \{ a(n+2)-5*a(n+1)+4*a(n), a(0) = 4, a(1) = 13 \}, ogf ]$

A140672 12.5476  $[ x*(5*x-8)/(x-1)^3 ogf ]$

A140672 28.1544  $-(-19+10*x)/(x-1)/(5*x-8)$  lgdogf

A140672 6.38582  $[ \{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 0, a(1) = 8, a(2) = 19 \}, ogf ]$

A140673 12.5476  $[ 3*x*(2*x-3)/(x-1)^3 ogf ]$

A140673 30.6026  $-(-7+4*x)/(x-1)/(2*x-3)$  lgdogf

A140673 6.38582  $[ \{ a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 9, a(2) = 21 \}, ogf ]$

A140674 12.4617  $[ x*(7*x-10)/(x-1)^3 ogf ]$

A140674 27.3626  $-(-23+14*x)/(x-1)/(7*x-10)$  lgdogf

A140674 6.39628  $[ \{ a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 10, a(2) = 23 \}, ogf ]$

A140675 12.5270  $[ x*(8*x-11)/(x-1)^3 ogf ]$

A140675 27.5082  $-(-25+16*x)/(x-1)/(8*x-11)$  lgdogf

A140675 6.42977  $[ \{ a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 11, a(2) = 25 \}, ogf ]$

A140676 12.6033  $[ x*(x-7)/(x-1)^3 ogf ]$

A140676 32.1412  $-2*(-10+x)/(x-1)/(x-7)$  lgdogf

A140676 6.41419  $[ \{ a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 20 \}, ogf ]$

A140677 12.5806  $[ x*(5*x-11)/(x-1)^3 ogf ]$

A140677 26.6070  $-2*(-14+5*x)/(x-1)/(5*x-11)$  lgdogf

A140677 6.45728  $[ \{ a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 11, a(2) = 28 \}, ogf ]$

A140678 12.5806  $[ x*(7*x-13)/(x-1)^3 ogf ]$

A140678 26.6070  $-2*(-16+7*x)/(x-1)/(7*x-13)$  lgdogf

A140678 6.45728  $[ \{ a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 13, a(2) = 32 \}, ogf ]$

A140679 12.0366  $[ x*(11*x-17)/(x-1)^3 ogf ]$

A140679 24.1015  $-2*(-20+11*x)/(x-1)/(11*x-17)$  lgdogf

A140679 6.28458  $[ \{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 0, a(1) = 17, a(2) = 40 \}, ogf ]$

A140680 12.0999  $[ x*(13*x-19)/(x-1)^3 ogf ]$

A140680 24.2304  $-2*(-22+13*x)/(x-1)/(13*x-19)$  lgdogf

A140680 6.31765  $[ \{ a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 19, a(2) = 44 \}, ogf ]$

A140681 12.0999  $[ 3*x*(5*x-7)/(x-1)^3 ogf ]$

A140681 29.2784  $-2*(5*x-8)/(x-1)/(5*x-7)$  lgdogf

A140681 6.31765  $[ \{ a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 21, a(2) = 48 \}, ogf ]$

A140683 15.5674 [  $-(x-4)/(2*x+1)/(x-1)$  ogf]  
A140683 18.0913  $-1/2*(-4-x+(16+12*x+9*x^2)^{(1/2)})/(2*x+1)$  revogf  
A140683 21.1926  $-(5-16*x+2*x^2)/(x-1)/(2*x+1)/(x-4)$  lgdogf  
A140683 8.54310 [  $\{a(n+2)+a(n+1)-2*a(n), a(0) = -4, a(1) = 5\}$ , ogf]  
A140684 11.6062 [  $-x*(7*x^4-3*x^3-x^2+5*x+1)/(x-1)/(x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A140684 8.76286  $-2*(3-x+17*x^3-8*x^8+x^7+14*x^6-7*x^5-13*x^4-4*x^2+7*x^9)/(x-1)/(x+1)/(x^4-x^3+x^2-x+1)/(7*x^4-3*x^3-x^2+5*x+1)$  lgdogf  
A140689 12.0999 [  $x*(17*x-23)/(x-1)^3$  ogf]  
A140689 24.2304  $-2*(-26+17*x)/(x-1)/(17*x-23)$  lgdogf  
A140689 6.31765 [  $\{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 0, a(1) = 23, a(2) = 52\}$ , ogf]  
A140701 4.33560 [  $\{(3*n^2+15*n+20)*a(n+1)-2*a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A140712 16.4705  $-2*(9-8*x+x^2)/(x-1)/(x^2-6*x+6)$  lgdegf  
A140712 7.05116 [  $1/6*x*(x^2-6*x+6)/(x-1)^4$  egf]  
A140716 11.9265 [  $-(x^2-18*x-7)/(x+1)/(x-1)^2$  ogf]  
A140716 15.4017  $-(-25-37*x+x^3-35*x^2)/(x-1)/(x+1)/(x^2-18*x-7)$  lgdogf  
A140716 6.48637 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 7, a(1) = 25, a(2) = 31\}$ , ogf]  
A140718 7.27733 [  $-(1711*x^{16}-1682*x^{12}-1622*x^8+1566*x^4+31)/(x+1)^2/(x^2+1)^2/(x^4+1)^2/(x-1)^3$  ogf]  
A140721 10.7312 [  $\{-a(n+2)+4*a(n), a(0) = 1, a(1) = -7\}$ , ogf]  
A140721 16.7512 [  $(7*x-1)/(2*x-1)/(2*x+1)$  ogf]  
A140721 18.1143  $-(7-8*x+28*x^2)/(2*x+1)/(-1+2*x)/(7*x-1)$  lgdogf  
A140721 18.5788  $1/2/(-7+4*x)*(-1+(1-28*x+16*x^2)^{(1/2)})$  revogf  
A140724 10.6591 [  $-(3*x^4-3*x^3+x^2+3*x+1)/(x-1)/(x^4-x^3+x^2-x+1)$  ogf]  
A140724 9.53606  $-(5-2*x+28*x^3+3*x^2-6*x^7+3*x^6+20*x^5-35*x^4-11*x^2)/(x-1)/(x^4-x^3+x^2-x+1)/(3*x^4-3*x^3+x^2+3*x+1)$  lgdogf  
A140725 13.5197 [  $-x*(3*x+1)/(2*x+1)/(3*x-1)$  ogf]  
A140725 15.9165  $-2*(2+6*x+9*x^2)/(-1+3*x)/(2*x+1)/(3*x+1)$  lgdogf  
A140725 16.3144  $1/6*(-1-x+(1+14*x+25*x^2)^{(1/2)})/(2*x+1)$  revogf  
A140725 6.55905 [  $\{a(n+3)-a(n+2)-6*a(n+1), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A140730 13.2023 [  $-(4*x^3+3*x^2+2*x+1)/(5*x^4-1)$  ogf]  
A140730 8.55150 [  $\{-a(n+4)+5*a(n), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4\}$ , ogf]  
A140730 9.96995  $-2*(1+3*x+10*x^3+10*x^6+15*x^5+15*x^4+6*x^2)/(5*x^4-1)/(4*x^3+3*x^2+2*x+1)$  lgdogf  
A140758 8.15772 [  $x*(x^7+x^6+2*x^5+x^4+2*x^3+x^2+2*x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A140766 10.5849  $-1/2*(-1-6*x+((2*x+1)*(6*x+1))^{(1/2)})/(6*x+1)$  revogf  
A140766 13.6092  $-(5-12*x+6*x^2)/(x-1)/(6*x^2-6*x+1)$  lgdogf  
A140766 16.0315 [  $-(x-1)/(6*x^2-6*x+1)$  ogf]  
A140766 8.79777 [  $\{-a(n+2)+6*a(n+1)-6*a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A140780 15.5535 [  $-(7*x-1)/(x^2-10*x+1)$  ogf]  
A140780 20.0938  $-(3-2*x+7*x^2)/(7*x-1)/(x^2-10*x+1)$  lgdogf  
A140780 8.62002 [  $\{a(n+2)-10*a(n+1)+a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A140781 2.93578 [  $\{a(n+2)-10*a(n+1)+a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A140781 5.29717 [  $-(8*x-1)/(x^2-10*x+1)$  ogf]  
A140781 6.66887  $-2*(1-x+4*x^2)/(8*x-1)/(x^2-10*x+1)$  lgdogf  
A140787 13.6742 [  $1/(x+1)/(2*x+1)/(2*x-1)^2$  ogf]  
A140787 16.8316  $-(1+14*x+16*x^2)/(2*x+1)/(-1+2*x)/(x+1)$  lgdogf  
A140788 12.9017 [  $-2*(7*x-4)/(4*x-1)/(x-1)$  ogf]  
A140788 13.5143  $-1/4*(-8-5*x+(64+24*x+9*x^2)^{(1/2)})/(7+2*x)$  revogf  
A140788 14.5279  $-(13-32*x+28*x^2)/(x-1)/(7*x-4)/(-1+4*x)$  lgdogf  
A140788 7.15036 [  $\{a(n+2)-5*a(n+1)+4*a(n), a(0) = 8, a(1) = 26\}$ , ogf]  
A140796 12.4791 [  $-(x+1)*(3*x+1)/(2*x+1)/(3*x-1)$  ogf]  
A140796 13.7949  $-(5+18*x+21*x^2)/(-1+3*x)/(2*x+1)/(3*x+1)/(x+1)$  lgdogf  
A140796 6.42130 [  $\{a(n+3)-a(n+2)-6*a(n+1), a(0) = 1, a(1) = 5, a(2) = 14\}$ , ogf]  
A140801 17.7342 [  $360*(x+1)/(x-1)^2$  ogf]  
A140801 41.1047 [  $[3-x]$  ogf\_with\_Euler\_transform]  
A140801 9.98822 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 360, a(1) = 1080\}$ , ogf]  
A140802 11.5747 [  $1/(8*x-1)^4$  ogf]  
A140802 54.9629  $-32/(-1+8*x)$  lgdogf

A140802 6.33332 [  $\{(-n-2)*a(n+2)+(40+8*n)*a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A140806 8.04546 [  $(x+1)*(x^2+1)*(15*x^4+1)/(x^4-2*x^3+2*x^2+2*x+1)/(x^4+2*x^3+2*x^2-2*x+1)$  ogf]  
A140811 13.2297 [  $-(5*x^2+8*x-1)/(x-1)^3$  ogf]  
A140811 23.3998  $-(x+5)*(1+5*x)/(x-1)/(5*x^2+8*x-1)$  lgdogf  
A140811 7.14170 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = -1, a(1) = 5, a(2) = 23\}$ , ogf]  
A140823 14.3234 [  $-(x^{15}-x^{14}+x-2)/(x-1)^2$  ogf]  
A140823 17.3582  $(3-x-27*x^{14}+14*x^{13}+13*x^{15})/(x-1)/(x^{15}-x^{14}+x-2)$  lgdogf  
A140824 11.9925  $-(3-6*x-4*x^3+2*x^5-3*x^4+12*x^2)/(x-1)/(x+1)/(x^2+1)/(x^2-3*x+1)$  lgdogf  
A140824 12.1510 [  $-x*(x-1)*(x+1)/(x^2+1)/(x^2-3*x+1)$  ogf]  
A140827 10.9878  $-(1+4*x+8*x^3+3*x^8-5*x^6-6*x^5+3*x^4+x^{10}+9*x^2)/(x^6-4*x^3+1)/(x^5+x^3-2*x^2-x-1)$  lgdogf  
A140827 12.7004 [  $-(x^5+x^3-2*x^2-x-1)/(x^6-4*x^3+1)$  ogf]  
A140829 6.87245 [  $(x^3+x+1)*(x^9-x-1)/(x+1)/(x^4+x^2-1)$  ogf]  
A140833 15.0690 [  $2*(x+1)*x/(x^2+x-1)/(x^2-x-1)$  ogf]  
A140870 6.96834 [  $-(443*x^4+6268*x^3+6298*x^2+428*x+3)/(x-1)^5$  ogf]  
A140870 8.55349  $-(443+14308*x+14308*x^3+443*x^4+37698*x^2)/(x-1)/(443*x^4+6268*x^3+6298*x^2+428*x+3)$  lgdogf  
A140898 18.7355 [  $-x/(136*x^2+2*x-1)$  ogf]  
A140898 18.9882  $1/272/x*(-2*x-1+(1+4*x+548*x^2)^{1/2})$  revogf  
A140898 25.7697  $-2*(1+136*x)/(136*x^2-1+2*x)$  lgdogf  
A140898 8.80343 [  $\{-a(n+2)+2*a(n+1)+136*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A140901 5.05162 [  $\{(n^3+24*n^2+191*n+504)*a(n+1)+(-n^3-9*n^2-26*n-24)*a(n+2), a(0) = 1, a(1) = 56\}$ , ogf]  
A140903 5.15174 [  $\{(n^3+27*n^2+242*n+720)*a(n+1)+(-n^3-9*n^2-26*n-24)*a(n+2), a(0) = 1, a(1) = 84\}$ , ogf]  
A140904 4.09434 [  $\{(-n^4-38*n^3-539*n^2-3382*n-7920)*a(n+1)+(n^4+14*n^3+71*n^2+154*n+120)*a(n+2), a(0) = 1, a(1) = 210\}$ , ogf]  
A140907 4.75185 [  $\{(n^3+30*n^2+299*n+990)*a(n+1)+(-n^3-9*n^2-26*n-24)*a(n+2), a(0) = 1, a(1) = 120\}$ , ogf]  
A140908 4.04652 [  $\{(-n^4-42*n^3-659*n^2-4578*n-11880)*a(n+1)+(n^4+14*n^3+71*n^2+154*n+120)*a(n+2), a(0) = 1, a(1) = 330\}$ , ogf]  
A140912 4.55783 [  $\{(n^3+33*n^2+362*n+1320)*a(n+1)+(-n^3-9*n^2-26*n-24)*a(n+2), a(0) = 1, a(1) = 165\}$ , ogf]  
A140913 3.88316 [  $\{(-n^4-46*n^3-791*n^2-6026*n-17160)*a(n+1)+(n^4+14*n^3+71*n^2+154*n+120)*a(n+2), a(0) = 1, a(1) = 495\}$ , ogf]  
A140918 4.43454 [  $\{(n^3+36*n^2+431*n+1716)*a(n+1)+(-n^3-9*n^2-26*n-24)*a(n+2), a(0) = 1, a(1) = 220\}$ , ogf]  
A140919 3.71854 [  $\{(-n^4-50*n^3-935*n^2-7750*n-24024)*a(n+1)+(n^4+14*n^3+71*n^2+154*n+120)*a(n+2), a(0) = 1, a(1) = 715\}$ , ogf]  
A140925 5.95773 [  $\{(n^2+25*n+156)*a(n+1)+(-n^2-5*n-6)*a(n+2), a(0) = 1, a(1) = 66\}$ , ogf]  
A140926 4.67210 [  $\{(n^3+39*n^2+506*n+2184)*a(n+1)+(-n^3-9*n^2-26*n-24)*a(n+2), a(0) = 1, a(1) = 286\}$ , ogf]  
A140927 3.88485 [  $\{(-n^4-54*n^3-1091*n^2-9774*n-32760)*a(n+1)+(n^4+14*n^3+71*n^2+154*n+120)*a(n+2), a(0) = 1, a(1) = 1001\}$ , ogf]  
A140934 5.67165 [  $\{(n^2+27*n+182)*a(n+1)+(-n^2-5*n-6)*a(n+2), a(0) = 1, a(1) = 78\}$ , ogf]  
A140935 4.38565 [  $\{(n^3+42*n^2+587*n+2730)*a(n+1)+(-n^3-9*n^2-26*n-24)*a(n+2), a(0) = 1, a(1) = 364\}$ , ogf]  
A140949 7.22182 [  $-(x^{26}-2*x^{25}+x^{24}+x^9-2*x^8+x^7+x^4-2*x^2+3)/(x+1)/(x-1)^3$  ogf]  
A140952 6.19069 [  $-1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^5$  ogf]  
A140955 5.76770  $-2/(x-1)$  lgdogf  
A140960 21.8296 [  $2*x^2/(x+1)/(2*x-1)^2$  ogf]  
A140960 32.0280  $-3*(1+2*x)/(x+1)/(-1+2*x)$  lgdogf  
A140960 8.77928 [  $\{a(n+3)-3*a(n+2)+4*a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A140961 12.7030 [  $(2*x-1)/(6*x-1)/(8*x-1)/(5*x-1)$  ogf]



A140961 6.13978 [ $\{a(n+3)-19a(n+2)+118a(n+1)-240a(n), a(0) = 1, a(1) = 17, a(2) = 205\}$ ], ogf]  
A140962 12.8413 [  $-(x+1)*x/(2*x+1)/(x-1)^2$  ogf]  
A140962 21.6767  $-(1+7*x+4*x^2)/(x-1)/(1+2*x)/(x+1)$  lgdogf  
A140962 7.31814 [ $\{-a(n+3)+3a(n+1)-2a(n), a(0) = 0, a(1) = -1, a(2) = -1\}$ ], ogf]  
A140966 13.4307 [  $-(3*x+2)/(2*x+1)/(x-1)$  ogf]  
A140966 16.8085  $1/2/(3+2*x)*(-2+x+(4+8*x+9*x^2)^{(1/2)})$  revogf  
A140966 17.7423  $-(1+8*x+6*x^2)/(x-1)/(3*x+2)/(1+2*x)$  lgdogf  
A140966 7.37051 [ $\{-a(n+2)-a(n+1)+2a(n), a(0) = 2, a(1) = 1\}$ ], ogf]  
A140976 4.52939 [  $-2*(x^6+2*x^4+3*x^2+4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A140983 13.0388  $(x^2+2*x+2*\ln(x+1)*x+2*\ln(x+1))/(x+1)/(x+2)^2$  revegfg  
A140986 3.72599 [  $-2*x^2*(931*x^6+4848*x^5+8619*x^4+4864*x^3+849*x^2+48*x+1)/(x-1)^9$  ogf]  
A140986 5.68112  $-3*(x+1)*(931*x^5+7395*x^4+15050*x^3+6170*x^2+675*x+19)/(x-1)/(931*x^6+4848*x^5+8619*x^4+4864*x^3+849*x^2+48*x+1)$  lgdogf  
A140991 7.59347 [  $x*(7*x^4+8*x^3-8*x^2+1)/(2*x-1)/(x+1)^2/(x-1)^3$  ogf]  
A140991 7.64853  $-(-3+13*x+4*x^3+28*x^6+55*x^5-29*x^4-20*x^2)/(x-1)/(-1+2*x)/(x+1)/(7*x^4+8*x^3-8*x^2+1)$  lgdogf  
A140992 13.4140  $-(-2-x^3+2*x^5-x^4+3*x^2)/(x-1)/(x^2+x-1)/(x^3-x+1)$  lgdogf  
A140992 8.57646 [  $-x*(x^3-x+1)/(x-1)/(x^2+x-1)^2$  ogf]  
A141000 8.69970  $(4+14*x-3*x^3+4*x^8+5*x^7-9*x^6-10*x^5-2*x^4+13*x^2)/(x-1)/(x+1)/(x^7+2*x^6+2*x^4-x^3-4*x^2-3*x-1)$  lgdogf  
A141000 8.91801 [  $-x*(x^7+2*x^6+2*x^4-x^3-4*x^2-3*x-1)/(x+1)/(x-1)^2$  ogf]  
A141001 5.76771 [  $-(x^{13}-x^{12}-2*x^9+2*x^8-x^7+x^6+x^5-x^3+2*x^2-2*x+1)/(x^2+1)/(x-1)^3$  ogf]  
A141003 21.1960  $\exp(4*x)+\exp(x)+\exp(2*x)$  lgdegf  
A141006 21.3671  $\exp(9*x)+\exp(x)+\exp(3*x)$  lgdegf  
A141009 33.9985  $\exp(13*x)+\exp(x)$  lgdegf  
A141012 11.6234  $-(7-26*x+91*x^2)/(x-1)/(13*x-1)/(7*x-1)$  lgdogf  
A141012 4.44051 [ $\{-a(n+3)+14a(n+2)-13a(n+1), a(0) = 0, a(1) = 2, a(2) = 14\}$ ], ogf]  
A141012 8.88102 [  $-2*x*(7*x-1)/(13*x-1)/(x-1)$  ogf]  
A141013 5.08759 [  $-2*x*(168*x^3-163*x^2+36*x-2)/(x-1)/(14*x-1)/(2*x-1)/(7*x-1)$  ogf]  
A141014 5.17899 [  $-4*x*(90*x^3-79*x^2+18*x-1)/(x-1)/(15*x-1)/(3*x-1)/(5*x-1)$  ogf]  
A141015 11.4466 [  $-(x+1)*x/(x^3+2*x^2+x-1)$  ogf]  
A141015 15.2894  $-(2+4*x+2*x^3+5*x^2)/(x+1)/(x^3+2*x^2+x-1)$  lgdogf  
A141015 5.87800 [ $\{a(n+3)-a(n+2)-2a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ ], ogf]  
A141016 33.1408  $-(2+3*x^2)/(-1+2*x+x^3)$  lgdogf  
A141016 4.64597 [  $-x/(x^3+2*x-1)$  ogf]  
A141023 18.4878 [  $3*x^2/(x-1)/(2*x-1)/(x+1)$  ogf]  
A141023 22.9123  $-2*(-1-x+3*x^2)/(x-1)/(-1+2*x)/(x+1)$  lgdogf  
A141023 7.56320 [ $\{a(n+3)-2a(n+2)-a(n+1)+2a(n), a(0) = 0, a(1) = 0, a(2) = 3\}$ ], ogf]  
A141025 11.0354 [  $-(6*x^3-x^2-2*x+1)/(x+1)/(2*x-1)/(x-1)^2$  ogf]  
A141025 11.2906  $-(-1+3*x+5*x^3+12*x^5+8*x^4-11*x^2)/(x-1)/(-1+2*x)/(x+1)/(6*x^3-x^2-2*x+1)$  lgdogf  
A141025 4.33535 [ $\{(-4*n-6)*a(n+1)+(2*n-1)*a(n+2)+(4*n+4)*a(n+3)+(-2*n-1)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5\}$ ], ogf]  
A141032 11.0865  $-1/32*(-17*x-4+(9*x+4)^{(1/2)}*(25*x+4)^{(1/2)})/x$  revogf  
A141032 13.2943 [  $4*x/(16*x-1)/(x-1)$  ogf]  
A141032 19.6145  $-(-17+32*x)/(16*x-1)/(x-1)$  lgdogf  
A141032 6.24671 [ $\{a(n+2)-17a(n+1)+16a(n), a(0) = 0, a(1) = 4\}$ ], ogf]  
A141035 7.71166 [  $2*x^2*(x+1)*(x^4+x^3+2*x^2-x+2)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A141036 11.2728 [  $(2*x^2+x-2)/(x^3+x^2+x-1)$  ogf]  
A141036 13.7456  $-(-1+2*x^3+2*x^4-7*x^2)/(2*x^2+x-2)/(x^3+x^2+x-1)$  lgdogf  
A141036 6.13964 [ $\{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 2, a(1) = 1, a(2) = 1\}$ ], ogf]

ogf]

A141038 14.9528 [ (x+1)\*(x-2)/(x^3+x^2-1) ogf]

A141038 17.0764 -(-1-2\*x-2\*x^3+x^4-7\*x^2)/(x-2)/(x+1)/(x^3+x^2-1) lgdogf

A141038 9.06712 [ {-a(n+3)+a(n+1)+a(n), a(0) = 2, a(1) = 1, a(2) = 1}, ogf]

A141041 13.4635 [ (3\*x-1)/(3\*x^2+6\*x-1) ogf]

A141041 15.2226 -3\*(3\*x+1)\*(x-1)/(-1+3\*x)/(3\*x^2+6\*x-1) lgdogf

A141041 7.38852 [ {-a(n+2)+6\*a(n+1)+3\*a(n), a(0) = 1, a(1) = 3}, ogf]

A141044 11.8011 [ {-a(n+3)+a(n+2), a(0) = 2, a(1) = 2, a(2) = 1}, ogf]

A141044 24.1779 [ (x^2-2)/(x-1) ogf]

A141044 38.9071 (2-2\*x+x^2)/(x-1)/(x^2-2) lgdogf

A141046 17.0959 -2\*(8+33\*x+x^3+18\*x^2)/(x-1)/(x+1)/(x^2+10\*x+1) lgdogf

A141046 4.52319 [ {(-4\*n^2-17\*n-18)\*a(n+1)+(8\*n^2+32\*n+72)\*a(n+2)+(-4\*n^2-15\*n-14)\*a(n+3), a(0) = 0, a(1) = 4, a(2) = 64}, ogf]

A141046 8.75457 [ -4\*x\*(x+1)\*(x^2+10\*x+1)/(x-1)^5 ogf]

A141052 17.5583 -12\*(x+4)/(x-1)/(x^4-4\*x^3+6\*x^2+12) lgdegf

A141052 3.18852 [ {(-n^2-3\*n)\*a(n)+(4\*n^2+25\*n+27)\*a(n+1)+(-5\*n^2-49\*n-98)\*a(n+2)+(5\*n+15)\*a(n+3), a(0) = 1, a(1) = 4, a(2) = 21}, ogf]

A141052 7.40324 [ 1/12\*(x^4-4\*x^3+6\*x^2+12)/(x-1)^4 egf]

A141054 32.7512 -72+(1-8\*x)\*f(x) lgdogf

A141054 5.04821 [ {(-n-2)\*a(n+2)+(80+8\*n)\*a(n+1), a(0) = 1, a(1) = 72}, ogf]

A141060 12.0562 [ -(8\*x-3)/(16\*x-1)/(x-1) ogf]

A141060 6.66638 [ {a(n+2)-17\*a(n+1)+16\*a(n), a(0) = 3, a(1) = 43}, ogf]

A141070 1.98590 [ 2\*x^8-2\*x^7-x^4+2\*x^3+1 ogf\_with\_Euler\_transform]

A141094 13.7183 [ -(3\*x^4+2\*x^2+3)/(-x^6+1) ogf\_with\_Euler\_transform]

A141104 5.93628 [ 2\*(2\*x^12+x^11+x^10+2\*x^9+x^8+x^7+2\*x^6+x^5+x^4+2\*x^3+x^2+x+1)/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]

A141124 10.0413 [ (x-1)\*(x^2-6\*x-1)/(x^2+1)^2 ogf]

A141124 13.6158 -(-5+18\*x-14\*x^3+x^4+12\*x^2)/(x-1)/(x^2+1)/(x^2-6\*x-1) lgdogf

A141125 14.3726 [ (4\*x+1)/(4\*x^2+1) ogf]

A141125 16.3934 -1/8\*(-1+(1+16\*x-16\*x^2)^(1/2))/(-1+x) revogf

A141125 17.7986 -4\*(-1+2\*x+4\*x^2)/(4\*x+1)/(4\*x^2+1) lgdogf

A141125 9.20747 [ {a(n+2)+4\*a(n), a(0) = 1, a(1) = 4}, ogf]

A141134 4.72541 [ -(x^5+2\*x^4+3\*x^3+5\*x^2+6\*x-1)/(x+1)^2/(x^2+1)^2 ogf]

A141134 6.18490 -(-8-8\*x+29\*x^3+x^7+3\*x^6+6\*x^5+14\*x^4+3\*x^2)/(x+1)/(x^2+1)/(x^5+2\*x^4+3\*x^3+5\*x^2+6\*x-1) lgdogf

A141146 3.43572 [ {(-8\*n^2-32\*n-32)\*a(n+1)+(-7\*n^2-43\*n-64)\*a(n+2)+(n^2+7\*n+10)\*a(n+3), a(0) = 0, a(1) = 2, a(2) = 14}, ogf]

A141213 3.67641 [ -(x^30+12\*x^29+4\*x^2-4\*x-3)/(5\*x^30-4\*x^29+2\*x^3-3\*x^2+1) ogf]

A141221 5.73919 -(78-422\*x-852\*x^3+3\*x^6-58\*x^5+368\*x^4+881\*x^2)/(x-1)/(3\*x^3-29\*x^2+42\*x-15)/(x^3-9\*x^2+7\*x-1) lgdogf

A141221 6.44430 [ -2\*x\*(3\*x^3-29\*x^2+42\*x-15)/(x-1)/(x^3-9\*x^2+7\*x-1) ogf]

A141223 12.2326 1/2/(9\*x-2)\*(-72\*x+17+3\*(1-4\*x)^(1/2))/(-1+4\*x) lgdogf

A141223 13.0667 -1/2\*(-3-17\*x+(1+6\*x+x^2)^(1/2))\*x/(1+6\*x)^2 revogf

A141223 3.78902 [ {(36\*n+90)\*a(n+1)+(-17\*n-47)\*a(n+2)+(2\*n+6)\*a(n+3), a(0) = 1, a(1) = 5, a(2) = 24}, ogf]

A141259 6.53586 [ (x+1)\*(x^5+x^3+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]

A141259 7.01950 -(3-x+2\*x^3-2\*x^8+13\*x^7+x^6+5\*x^5+3\*x^11+7\*x^4+3\*x^10+2\*x^12+6\*x^2+6\*x^9)/(x-1)/(x+1)/(x^2+1)/(x^5+x^3+1)/(x^4+1) lgdogf

A141260 8.92531 [ -(x^11+x^10+x^8+x^6+x^4+x^3+x^2+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) ogf]

A141291 10.9838 [ -(x+1)\*x/(4\*x-1)/(x-1)^2 ogf]

A141291 16.6633 -(-7+11\*x+8\*x^2)/(x-1)/(-1+4\*x)/(x+1) lgdogf

A141291 5.64032 [ {a(n+3)-6\*a(n+2)+9\*a(n+1)-4\*a(n), a(0) = 0, a(1) = 1, a(2) = 7}, ogf]

A141317 14.1184 [ 8\*x^2/(x-1)/(3\*x-1)/(x+1) ogf]

A141317 17.4670 -(-3-2\*x+9\*x^2)/(x-1)/(-1+3\*x)/(x+1) lgdogf

A141317 5.77573 [ {a(n+3)-3\*a(n+2)-a(n+1)+3\*a(n), a(0) = 0, a(1) = 0, a(2) = 8}, ogf]

A141318 18.5070 [ 4/(1+(1-8\*x)^(1/2)) ogf\_with\_Euler\_transform]

A141325 9.22674 [ -(x^4-x^2+1)/(x+1)/(x^2-x+1)/(x^2+x-1) ogf]

A141325 9.64095  $-(1+8*x^3+x^8-2*x^6-4*x^5+3*x^4-2*x^2)/(x+1)/(x^2-x+1)/(x^2+x-1)/(x^4-x^2+1)$  lgdogf  
A141326 4.14793  $[-6*(x^3+18*x^2+15*x+2)/(x-1)^5$  ogf]  
A141326 7.45876  $-(25+96*x+2*x^3+57*x^2)/(x-1)/(x^3+18*x^2+15*x+2)$  lgdogf  
A141340 5.89160  $[4*x^{12}+x^7+2$  ogf\_with\_Euler\_transform]  
A141342 6.53737  $(-2-17*x-4*x^3-16*x^2+((1+8*x+4*x^2)*(1+12*x+2*x^2)^2)^{(1/2)})/(1+8*x+4*x^2)/(x^2+4*x-1)$  lgdogf  
A141344 7.84047  $-(6+21*x+8*x^3-10*x^2+3*((1+4*x)*(-1-6*x+4*x^2)^2)^{(1/2)})/(1+4*x)/(4*x-3)/(x^2-8*x+3)$  lgdogf  
A141352 6.18928  $[-(x^6-7*x^3-5*x^2-2*x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A141352 7.88102  $-(-1-11*x-24*x^3+x^8+x^7+x^6-22*x^5-32*x^4-21*x^2)/(x-1)/(x^2+x+1)/(x^6-7*x^3-5*x^2-2*x+1)$  lgdogf  
A141354 16.6120  $-(-3-8*x+x^4-14*x^2)/(x-1)/(x+1)/(x^3-x^2-5*x+1)$  lgdogf  
A141354 9.48477  $[-(x^3-x^2-5*x+1)/(x+1)/(x-1)^3$  ogf]  
A141355 10.7143  $[-(4*x^3-2*x^2+x+1)/(8*x^2-1)/(x^2+1)$  ogf]  
A141355 8.64685  $-(-1+10*x+32*x^3+32*x^6-32*x^5-4*x^4+19*x^2)/(x^2+1)/(8*x^2-1)/(4*x^3-2*x^2+x+1)$  lgdogf  
A141365 6.35914  $[-(x^6-2*x^4-7*x^3-5*x^2+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A141365 8.21740  $-(1-9*x-20*x^3+x^8+x^7-5*x^6-24*x^5-34*x^4-19*x^2)/(x-1)/(x^2+x+1)/(x^6-2*x^4-7*x^3-5*x^2+1)$  lgdogf  
A141384 5.71624  $(4-32*x-168*x^3+5*x^6-32*x^5+116*x^4+109*x^2)/(x-1)/(2*x^4-25*x^3+48*x^2-28*x+4)/(x^3-9*x^2+7*x-1)$  lgdogf  
A141384 6.35967  $[2*(2*x^4-25*x^3+48*x^2-28*x+4)/(x-1)/(x^3-9*x^2+7*x-1)$  ogf]  
A141385 5.06522  $[{-a(n+3)+7*a(n+2)-9*a(n+1)+a(n), a(0) = 3, a(1) = 7, a(2) = 31},$  ogf]  
A141385 9.03535  $-(-7-36*x-28*x^3+9*x^4+72*x^2)/(9*x^2-14*x+3)/(x^3-9*x^2+7*x-1)$  lgdogf  
A141385 9.23177  $[-(9*x^2-14*x+3)/(x^3-9*x^2+7*x-1)$  ogf]  
A141397 11.3971  $[-(x^2+x+1)/(x+1)/(3*x-1)/(x-1)^2$  ogf]  
A141397 3.93200  $[{(3*n+12)*a(n+1)+(-n-1)*a(n+2)+(-3*n-10)*a(n+3)+(n+3)*a(n+4), a(0) = 1, a(1) = 5, a(2) = 19, a(3) = 62},$  ogf]  
A141407 4.73830  $[1/(6*x-1)^8$  ogf]  
A141407 44.8592  $-48/(-1+6*x)$  lgdogf  
A141407 5.18531  $[{(-n-2)*a(n+2)+(54+6*n)*a(n+1), a(0) = 1, a(1) = 48},$  ogf]  
A141413 16.2546  $[-x*(2*x+1)/(3*x+1)$  ogf]  
A141413 20.6792  $-1/4-3/4*x+1/4*(1-2*x+9*x^2)^{(1/2)}$  revogf  
A141413 39.0608  $-1/(2*x+1)/(3*x+1)$  lgdogf  
A141413 8.02940  $[{a(n+3)+3*a(n+2), a(0) = 0, a(1) = -1, a(2) = 1},$  ogf]  
A141416 11.6929  $-(-1+4*x-8*x^3+2*x^6+12*x^5-7*x^4+2*x^2)/(1+x^2)/(2*x^2-1)/(x^3+3*x^2-x-1)$  lgdogf  
A141416 12.0749  $[-(x^3+3*x^2-x-1)/(x^2+1)/(2*x^2-1)$  ogf]  
A141425 13.5794  $[-(8*x^5+7*x^4+5*x^3+4*x^2+2*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A141430 4.15400  $[-(6*x^8-5*x^7+x^6+2*x^5+3*x^4+x^3+1)/(x-1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A141446 5.68986  $[(9*x^{12}+9*x^{11}+6*x^{10}+2*x^9-3*x^8-3*x^7-2*x^6-3*x^5-5*x^3-3*x^2-3*x-1)/(x-1)/(x+1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A141448 11.8742  $[-x/(x^5+x^4+x^3+x^2+2*x-1)$  ogf]  
A141448 13.3345  $-(2+2*x+4*x^3+5*x^4+3*x^2)/(x^2-1+2*x+x^4+x^3+x^5)$  lgdogf  
A141449 11.6565  $[-(3*x^4+x^3+8*x^2+2*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A141449 7.01546  $[{a(n+5)-a(n+2), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 2, a(4) = 5},$  ogf]  
A141449 9.99928  $(-2-16*x-16*x^3+3*x^6-8*x^4-6*x^2)/(x-1)/(1+x^2+x)/(3*x^4+x^3+8*x^2+2*x+1)$  lgdogf  
A141478 14.7402  $[64/(x-1)^4$  ogf]  
A141478 56.2132  $[4$  ogf\_with\_Euler\_transform]  
A141478 6.88793  $[{(-n-2)*a(n+2)+(5+n)*a(n+1), a(0) = 64, a(1) = 256},$  ogf]  
A141478 90.3630  $-4/(x-1)$  lgdogf  
A141480 14.4660  $[125/(x-1)^4$  ogf]  
A141480 56.2516  $[4$  ogf\_with\_Euler\_transform]

A141480 6.83115 [  $\{(-n-2)*a(n+2)+(5+n)*a(n+1), a(0) = 125, a(1) = 500\}$ , ogf]  
A141480 90.4722  $-4/(x-1)$  lgdogf  
A141495 15.4959 [  $(2*x^2-1)/(3*x-1)$  ogf]  
A141495 19.4468  $(3-4*x+6*x^2)/(-1+3*x)/(2*x^2-1)$  lgdogf  
A141495 7.56345 [  $\{-a(n+3)+3*a(n+2), a(0) = 1, a(1) = 3, a(2) = 7\}$ , ogf]  
A141496 14.0569 [  $(14*x^2-1)/(5*x-1)$  ogf]  
A141496 17.0007  $(5-28*x+70*x^2)/(5*x-1)/(14*x^2-1)$  lgdogf  
A141496 6.94575 [  $\{-a(n+3)+5*a(n+2), a(0) = 1, a(1) = 5, a(2) = 11\}$ , ogf]  
A141499 13.3754 [  $-x*(7*x^2-4*x-1)/(4*x-1)/(2*x-1)$  ogf]  
A141499 16.0132  $-10*(1-3*x+x^2)/(-1+2*x)/(-1+4*x)/(7*x^2-4*x-1)$  lgdogf  
A141499 6.62952 [  $\{-a(n+4)+6*a(n+3)-8*a(n+2), a(0) = 0, a(1) = 1, a(2) = 10, a(3) = 45\}$ , ogf]  
A141516 7.45647 [  $(27*x^4+9*x^3-x-1)/(x+1)/(2*x-1)/(3*x^2+1)$  ogf]  
A141518 15.2507 [  $-(9*x^4+7*x^3+5*x^2+3*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A141518 9.17620  $-(3+10*x+36*x^2+9*x^3+14*x^4+15*x^5+12*x^6+5*x^7+21*x^8)/(x-1)/(x^4+x^3+x^2+x+1)/(9*x^4+7*x^3+5*x^2+3*x+1)$  lgdogf  
A141519 5.59909 [  $-(5*x^8-4*x^7+5*x^6-2*x^5+x^4-4*x^3+3*x^2+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A141523 11.3884 [  $(3*x^2+2*x-3)/(x^3+x^2+x-1)$  ogf]  
A141523 13.0882  $-(-1+4*x^3+3*x^4-10*x^2)/(3*x^2+2*x-3)/(x^3+x^2+x-1)$  lgdogf  
A141523 6.20262 [  $\{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 3, a(1) = 1, a(2) = 1\}$ , ogf]  
A141527 14.9848 [  $(x+2)/(41*x^2+x+1)$  ogf]  
A141527 19.7483  $-(1+164*x+41*x^2)/(x+2)/(41*x^2+x+1)$  lgdogf  
A141527 8.30484 [  $\{-a(n+2)-a(n+1)-41*a(n), a(0) = 2, a(1) = -1\}$ , ogf]  
A141528 20.0118 [  $-x/(41*x^2+x+1)$  ogf]  
A141528 31.9250  $-(1+82*x)/(41*x^2+x+1)$  lgdogf  
A141528 8.29757 [  $\{-a(n+2)-a(n+1)-41*a(n), a(0) = 0, a(1) = -1\}$ , ogf]  
A141529 7.72243 [  $-(2*x^{10}+3*x^9+5*x^8+7*x^7+11*x^6+13*x^5+17*x^4+19*x^3+23*x^2+29*x+31)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A141530 10.5937 [  $(9*x^3+19*x^2-5*x+1)/(x-1)^4$  ogf]  
A141530 16.3048  $-(-1+23*x+9*x^3+65*x^2)/(x-1)/(9*x^3+19*x^2-5*x+1)$  lgdogf  
A141530 4.44252 [  $\{(44*n^2+193*n+210)*a(n+1)+(-28*n^2+46*n+225)*a(n+2)+(-16*n^2-59*n-33)*a(n+3), a(0) = 1, a(1) = -1, a(2) = 9\}$ , ogf]  
A141531 16.1429 [  $(3*x^2+3*x+1)/(2*x+1)$  ogf]  
A141531 21.9642  $(1+6*x+6*x^2)/(2*x+1)/(3*x^2+3*x+1)$  lgdogf  
A141531 8.64798 [  $\{-a(n+3)-2*a(n+2), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
A141532 5.59967  $(1+14*x+296*x^3+153*x^8+612*x^7+1074*x^6+1080*x^5+691*x^4+84*x^2)/(2*x+1)/(x^2+x+1)/(3*x^2+3*x+1)/(27*x^5+42*x^4+39*x^3+22*x^2+7*x+1)$  lgdogf  
A141532 6.53977 [  $(27*x^5+42*x^4+39*x^3+22*x^2+7*x+1)/(2*x+1)/(x^2+x+1)/(3*x^2+3*x+1)$  ogf]  
A141533 10.0366  $-(-1-2*x-30*x^3+126*x^6-15*x^4+74*x^2)/(-1+2*x)/(x+1)/(3*x^2+1)/(21*x^3-2*x+1)$  lgdogf  
A141533 11.2340 [  $-(21*x^3-2*x+1)/(x+1)/(2*x-1)/(3*x^2+1)$  ogf]  
A141534 14.7555  $-(-4+2*x-2*x^3+5*x^4-6*x^2)/(x-1)/(x^5-x^3-x^2+x-1)$  lgdogf  
A141534 8.07671 [  $(x^5-x^3-x^2+x-1)/(x-1)^5$  ogf]  
A141571 15.7547 [  $(x^4-2*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A141571 22.0790  $(2+3*x^2+x^6)/(x-1)/(x^2+x+1)/(x^4-2*x-1)$  lgdogf  
A141571 7.21477 [  $\{-a(n+5)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 0, a(3) = 1, a(4) = 1\}$ , ogf]  
A141576 11.6136 [  $(x^2-x+1)/(x^3-2*x^2+x-1)$  ogf]  
A141576 16.8751  $-x*(-2-2*x^2+x^3+4*x)/(x^2-x+1)/(x^3-2*x^2+x-1)$  lgdogf  
A141576 6.38223 [  $\{a(n+3)-a(n+2)+2*a(n+1)-a(n), a(0) = -1, a(1) = 0, a(2) = 1\}$ , ogf]  
A141577 11.1645 [  $(x^3-2*x^2+x-1)/(x^4-3*x^3+3*x^2-x+1)$  ogf]  
A141577 13.2420  $-x*(x-1)*(x^4-3*x^3+3*x^2-5*x+2)/(x^3-2*x^2+x-1)/(x^4-3*x^3+3*x^2-x+1)$  lgdogf  
A141582 7.40676 [  $-x^2*(3*x^3-x^2+2*x+2)/(x+1)^2/(x-1)^5$  ogf]  
A141583 5.79218  $-(1-3*x-32*x^3+x^8+4*x^7+24*x^6-2*x^5+18*x^4+20*x^2+x^9)/(x+1)/$

$(x^3+x^2+3x-1)/(x^3-x^2+3x-1)/(x^3-x^2-x-1)$  lgdogf  
A141583 6.32265 [  $-(x^3-x^2+3x-1)*(x+1)^2/(x^3+x^2+3x-1)/(x^3-x^2-x-1)$  ogf]  
A141631 13.3809 [  $-(3x^2+x+2)/(x-1)^3$  ogf]  
A141631 25.0260  $-(7+8x+3x^2)/(x-1)/(3x^2+x+2)$  lgdogf  
A141631 7.22329 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 2, a(1) = 7, a(2) = 18\}$ , ogf]  
A141682 37.3339  $(1+x^2)/(x^2+x-1)/(x^2+2x-1)$  lgdogf  
A141683 10.0906 [  $(x^3+x^2-1)/(x^3+2x^2+x-1)$  ogf]  
A141683 13.1052  $(1+2x^3+2x+x^4+x^2)/(x^3+x^2-1)/(x^3+2x^2+x-1)$  lgdogf  
A141683 4.96888 [  $\{a(n+4)-a(n+3)-2a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 4\}$ , ogf]  
A141685 12.0491 [  $(x-1)*(x^2+x+1)/(x^3+2x^2+x-1)$  ogf]  
A141685 13.1973  $(1+2x^3+4x+2x^4)/(x-1)/(x^2+x+1)/(x^3+2x^2+x-1)$  lgdogf  
A141685 5.20302 [  $\{-a(n+4)+a(n+3)+2a(n+2)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 5\}$ , ogf]  
A141694 17.4841 [  $2*(5x+6)/(x-1)^2$  ogf]  
A141694 26.0008  $-(-6-x+(36+22x)^{1/2})/(-10+x)$  revogf  
A141694 35.0446  $-(17+5x)/(5x+6)/(x-1)$  lgdogf  
A141694 9.78276 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 12, a(1) = 34\}$ , ogf]  
A141721 7.59057 [  $-(3x^9+3x^7+2x^6+7x^5+8x^4+5x^3+8x^2+7x+2)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A141722 14.3243  $-1/8*(-1-5x+(1+90x+9x^2)^{1/2})/(-5+x)$  revogf  
A141722 14.6824  $-(-25+8x+80x^2)/(x-1)/(4x-1)/(20x+1)$  lgdogf  
A141722 15.6139 [  $(20x+1)/(4x-1)/(x-1)$  ogf]  
A141722 8.65348 [  $\{-a(n+2)+5a(n+1)-4a(n), a(0) = 1, a(1) = 25\}$ , ogf]  
A141725 14.2839 [  $(8x+1)/(4x-1)/(x-1)$  ogf]  
A141725 15.3715  $-1/8*(-1-5x+(1+42x+9x^2)^{1/2})/(-2+x)$  revogf  
A141725 16.1598  $-(-13+8x+32x^2)/(x-1)/(8x+1)/(4x-1)$  lgdogf  
A141725 7.74428 [  $\{-a(n+2)+5a(n+1)-4a(n), a(0) = 1, a(1) = 13\}$ , ogf]  
A141726 10.5629 [  $-(x^7+2x^6+3x^5+4x^4+5x^3+6x^2+7x+8)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A141752 10.9963  $-2*(1-4x-9x^3+3x^4+8x^2)/(x-1)/(x^2-3x+1)/(3x^2-3x+1)$  lgdogf  
A141752 3.41677 [  $\{(n+2)*a(n+1)+(-4n-7)*a(n+2)+(4n+5)*a(n+3)+(-n-1)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 14\}$ , ogf]  
A141752 9.75513 [  $(3x^2-3x+1)/(x^2-3x+1)/(x-1)^2$  ogf]  
A141759 12.2377 [  $(x^2-18x-15)/(x-1)^3$  ogf]  
A141759 21.6063  $-(-63-34x+x^2)/(x-1)/(x^2-18x-15)$  lgdogf  
A141759 6.64634 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 15, a(1) = 63, a(2) = 143\}$ , ogf]  
A141775 14.7204 [  $(x-1)*(x+1)/(2x-1)/(x^2-x+1)$  ogf]  
A141775 16.1734  $-(-3+8x+2x^4-9x^2)/(x-1)/(2x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A141775 7.49163 [  $\{a(n+3)-3a(n+2)+3a(n+1)-2a(n), a(0) = 1, a(1) = 3, a(2) = 5\}$ , ogf]  
A141782 5.63734 [  $-(16x^7-23x^6-9x^5+18x^4-17x^3+24x^2+8x-18)/(x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A141783 7.25825  $-(7+49x+315x^3+13x^7+7x^6+231x^5+105x^4+105x^2)/(x-1)/(x+1)/(x^2+1)/(x^4+14x^2+1)$  lgdogf  
A141827 3.10001 [  $\{(n^2+4n+4)*a(n+1)+(-n^2-7n-14)*a(n+2)+a(n+3), a(0) = 1, a(1) = 4, a(2) = 31\}$ , ogf]  
A141828 3.16378 [  $\{(n^3+6n^2+12n+8)*a(n+1)+(-n^3-10n^2-34n-41)*a(n+2)+a(n+3), a(0) = 1, a(1) = 5, a(2) = 79\}$ , ogf]  
A141834 7.01947  $(42+49x^3+2x^6-3x^5-15x^4-51x^2)/(x-1)/(2x^5-3x^4-8x^3+21x^2-12x-6)$  lgdegf  
A141845 6.02906  $-(-7+x+13x^3+10x^8+19x^7+27x^6+35x^5+53x^4+9x^2)/(x-1)/(5x-1)/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A141845 6.68063 [  $-(x^4+x^3+x^2+x+1)/(5x-1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A142069 10.5629 [  $-(8x^8+4x^7+5x^5+x^4+6x^3+2x^2+7x+3)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A142150 20.3295 [  $x^2/(x-1)^2/(x+1)^2$  ogf]  
A142150 44.1337 [  $[2x]$  ogf\_with\_Euler\_transform]

A142150 58.4853  $-4*x/(x-1)/(x+1)$  lgdogf  
A142150 6.59818  $[{(n+1)*a(n+3)+(-3-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 1},$   
ogf]  
A142155 10.6619  $[ 1/(x^{10}+x^9-x^7-x^6-x^5-x^4-x^2+x+1)$  ogf]  
A142155 9.96159  $-(x+1)*(10*x^8-x^7+x^6-8*x^5+2*x^4-7*x^3+3*x^2-3*x+1)/(-x^2+1+x$   
 $+x^{10}-x^5-x^4-x^7-x^6+x^9)$  lgdogf  
A142238 10.4607  $-(5+22*x+x^6-2*x^5-5*x^4-4*x^3+47*x^2)/(x^3-x^2-5*x-1)/$   
 $(x^4-10*x^2+1)$  lgdogf  
A142238 11.1359  $[ -(x^3-x^2-5*x-1)/(x^4-10*x^2+1)$  ogf]  
A142239 12.4402  $-2*(2+9*x+x^5-6*x^4-2*x^3+20*x^2)/(x^2-4*x-1)/(x^4-10*x^2+1)$   
lgdogf  
A142239 13.0990  $[ -(x^2-4*x-1)/(x^4-10*x^2+1)$  ogf]  
A142241 17.2295  $[ 2*(5*x+7)/(x-1)^2$  ogf]  
A142241 25.6174  $-(-7-x+(49+24*x)^{(1/2)})/(-10+x)$  revogf  
A142241 34.5278  $-(-19+5*x)/(5*x+7)/(x-1)$  lgdogf  
A142241 9.64033  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 14, a(1) = 38},$  ogf]  
A142245 16.4420  $[ 2*x*(5*x+6)/(x-1)/(x^2+x-1)$  ogf]  
A142245 18.8135  $-(-17+10*x^3+18*x^2)/(5*x+6)/(x-1)/(x^2+x-1)$  lgdogf  
A142245 8.82678  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 0, a(1) = 12, a(2) = 34},$  ogf]  
A142463 14.6316  $[ (x^2-6*x+1)/(x-1)^3$  ogf]  
A142463 27.5228  $-(-3-10*x+x^2)/(x-1)/(x^2-6*x+1)$  lgdogf  
A142463 7.89845  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = -1, a(1) = 3, a(2) =$   
 $11},$  ogf]  
A142464 10.9955  $[{-a(n+3)+a(n+2), a(0) = 3, a(1) = 6, a(2) = 1},$  ogf]  
A142464 20.5249  $[ (5*x^2-3*x-3)/(x-1)$  ogf]  
A142464 26.6247  $(6-10*x+5*x^2)/(x-1)/(5*x^2-3*x-3)$  lgdogf  
A142474 13.2306  $[ (x^2+x-1)/(x^3+2*x^2+x-1)$  ogf]  
A142474 7.27085  $[{a(n+3)-a(n+2)-2*a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = 1},$   
ogf]  
A142585 10.7324  $[ -(x^3+2*x^2+3*x+1)/(2*x+1)/(x^2-x-1)$  ogf]  
A142585 13.1063  $-x*(2+5*x^3+18*x^2+12*x)/(2*x+1)/(x^2-x-1)/(x^3+2*x^2+3*x+1)$   
lgdogf  
A142585 5.69643  $[{-a(n+4)-3*a(n+3)-a(n+2)+2*a(n+1), a(0) = 1, a(1) = 0, a(2) =$   
 $1, a(3) = 0},$  ogf]  
A142586 11.3540  $-(2-10*x+11*x^4-22*x^3+20*x^2)/(2*x-1)/(x^2-3*x+1)/$   
 $(x^3+2*x^2-3*x+1)$  lgdogf  
A142586 11.3866  $[ -(x^3+2*x^2-3*x+1)/(2*x-1)/(x^2-3*x+1)$  ogf]  
A142586 5.90735  $[{-a(n+4)+5*a(n+3)-7*a(n+2)+2*a(n+1), a(0) = 1, a(1) = 2, a(2) =$   
 $5, a(3) = 14},$  ogf]  
A142588 15.9107  $1/2*(-5-14*x+(5+28*x+40*x^2)^{(1/2)}*5^{(1/2)})/x$  revogf  
A142588 19.0781  $[ -5*x/(x^2+14*x-1)$  ogf]  
A142588 34.0943  $-2*(7+x)/(x^2-1+14*x)$  lgdogf  
A142588 8.84106  $[{-a(n+2)+14*a(n+1)+a(n), a(0) = 0, a(1) = 5},$  ogf]  
A142590 5.81997  $[ 3*x*(x^{10}-$   
 $x^9-15*x^8-2*x^7-58*x^6-18*x^5-74*x^4-4*x^3-39*x^2-5*x-7)/(x-1)^3/(x+1)^3/$   
 $(x^2+1)^3$  ogf]  
A142600 5.71600  $[$   
 $3*(x^{11}-7*x^9-5*x^8-42*x^7-4*x^6-74*x^5-18*x^4-55*x^3-2*x^2-15*x-1)/(x-1)^3/(x$   
 $+1)^3/(x^2+1)^3$  ogf]  
A142702 12.4208  $[ -(8*x^2-3*x+5)/(x-1)/(x^2+1)$  ogf]  
A142702 13.2133  $-2*(1+3*x+4*x^4-3*x^3+5*x^2)/(x-1)/(x^2+1)/(8*x^2-3*x+5)$  lgdogf  
A142702 6.76491  $[{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 5, a(1) = 2, a(2) = 5},$  ogf]  
A142704 3.93558  $[{(-2*n-8)*a(n+1)+(-2*n-8)*a(n+2)+a(n+4), a(0) = 0, a(1) = 1,$   
 $a(2) = 1, a(3) = 6},$  ogf]  
A142705 10.6218  $[ x*(x^4-6*x^2-2*x-3)/(x-1)^3/(x+1)^3$  ogf]  
A142705 13.4328  $-2*(-1-15*x+x^5-10*x^3-5*x^2)/(x-1)/(x+1)/(-3+x^4-6*x^2-2*x)$   
lgdogf  
A142705 7.11200  $[{(n+5)*a(n+1)+(-n-1)*a(n+3), a(0) = 0, a(1) = 3, a(2) = 2},$   
ogf]  
A142710 6.80240  $[ -2*(2*x^6-7*x^4-6*x^3+6*x^2+x-1)/(2*x-1)/(2*x+1)/(x^2-3*x+1)/$   
 $(x^2-x-1)$  ogf]

A142716 6.98731 [  $(x-1)*(9*x^{11}+3*x^{10}+6*x^9+3*x^5+3*x^4+3*x^3+3*x^2+2*x+1)/(3*x^9-3*x^6+3*x^3-1)$  ogf]  
A142717 12.0195 [  $(3*x^3-5*x^2+x-3)/(x+1)/(x-1)^3$  ogf]  
A142717 14.0293  $-( -5-20*x+3*x^4-4*x^3+2*x^2)/(x-1)/(x+1)/(3*x^3-5*x^2+x-3)$  lgdogf  
A142879 7.40421  $-(2+10*x-6*x^8-20*x^7-5*x^6-6*x^5+25*x^4+16*x^3+2*x^9+21*x^2)/(x^6-5*x^3+1)/(x^4-2*x^3-5*x^2-2*x-1)$  lgdogf  
A142879 9.66039 [  $-x*(x^4-2*x^3-5*x^2-2*x-1)/(x^6-5*x^3+1)$  ogf]  
A142880 7.70326  $-(2+6*x-3*x^8-12*x^7-3*x^6-6*x^5+21*x^4+24*x^3+2*x^9+24*x^2)/(x+1)/(x^3-2*x^2-x-1)/(x^6-7*x^3+1)$  lgdogf  
A142880 9.74258 [  $-x*(x+1)*(x^3-2*x^2-x-1)/(x^6-7*x^3+1)$  ogf]  
A142881 7.50977  $-(2+6*x+6*x^8-12*x^7-3*x^6-6*x^5+21*x^4+24*x^3+2*x^9+15*x^2)/(x^4+2*x^3-3*x^2-2*x-1)/(x^6-7*x^3+1)$  lgdogf  
A142881 9.69642 [  $-x*(x^4+2*x^3-3*x^2-2*x-1)/(x^6-7*x^3+1)$  ogf]  
A142883 6.02494 [  $x*(x^{10}-x^9-15*x^8-2*x^7-58*x^6-18*x^5-74*x^4-4*x^3-39*x^2-5*x-7)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
A142887 6.72025 [  $(5510*x^5-395*x^3-146*x^2-3*x-1)/(13340*x^4-52*x^2-1)$  ogf]  
A142888 13.3472  $-(1-25*x+x^5-x^4-14*x^3-2*x^2)/(x-1)/(x+1)/(x^4-6*x^2-2*x-3)$  lgdogf  
A142888 8.56092 [  $-(x^4-6*x^2-2*x-3)/(x-1)^2/(x+1)^3$  ogf]  
A142954 11.3650 [  $-2*(3*x^2-4*x-1)/(x+1)/(x-1)^2$  ogf]  
A142954 15.0498  $-( -5-x+3*x^3-5*x^2)/(x-1)/(x+1)/(3*x^2-4*x-1)$  lgdogf  
A142954 6.13512 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 10, a(2) = 6\}$ , ogf]  
A142962 11.3047 [  $(x^2+10*x+4)/(x-1)^4$  ogf]  
A142962 22.1907  $-2*(13+16*x+x^2)/(x-1)/(x^2+10*x+4)$  lgdogf  
A142962 3.91747 [  $\{(4*n+16)*a(n+4)+(-8+6*n)*a(n+3)+(-50-9*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 4, a(1) = 26, a(2) = 81, a(3) = 184\}$ , ogf]  
A142964 14.6477 [  $-(x+1)/(2*x-1)/(x-1)^2$  ogf]  
A142964 21.7847  $-( -5+5*x+4*x^2)/(x-1)/(2*x-1)/(x+1)$  lgdogf  
A142964 6.87014 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 5, a(2) = 15\}$ , ogf]  
A142965 7.85202 [  $-(6*x^3+11*x^2-8*x-1)/(3*x-1)/(2*x-1)^2/(x-1)^3$  ogf]  
A142965 9.41670  $-6*( -3+5*x+18*x^5+37*x^4-81*x^3+32*x^2)/(x-1)/(3*x-1)/(2*x-1)/(6*x^3+11*x^2-8*x-1)$  lgdogf  
A142966 3.83887 [  $-(180*x^6+444*x^5-839*x^4+242*x^3+108*x^2-38*x-1)/(4*x-1)/(3*x-1)^2/(2*x-1)^3/(x-1)^4$  ogf]  
A142967 24.1656  $-1/3*\ln(x^2+x+1)+2/3*\ln(1+2*x)$  revegef  
A142970 5.63763 [  $\{(4*n^2+20*n+25)*a(n+1)-a(n+3)+6*a(n+2), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A142974 10.9003  $-2*( -1+6*x+3*x^4+8*x^3-13*x^2)/(x-1)/(2*x-1)/(3*x^3+x^2-3*x+1)$  lgdogf  
A142974 8.95691 [  $(3*x^3+x^2-3*x+1)/(2*x-1)/(x-1)^3$  ogf]  
A142975 7.38633 [  $(x^4-2*x^3+x^2+2*x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A142975 7.40066  $-( -1+10*x^6-23*x^4+8*x^2+4*x^5-4*x^7+x^8)/(x+1)/(x^2-3*x+1)/(x^2+x-1)/(x^4-2*x^3+x^2+2*x-1)$  lgdogf  
A142976 6.13145 [  $-(40*x^3+36*x^2-21*x-1)/(7*x-1)/(4*x-1)^2/(x-1)^3$  ogf]  
A142979 4.26596 [  $\{(n^2+6*n+9)*a(n+1)-a(n+3)+3*a(n+2), a(0) = 1, a(1) = 3, a(2) = 13\}$ , ogf]  
A142980 4.07383 [  $\{(n^2+6*n+9)*a(n+1)-a(n+3)+5*a(n+2), a(0) = 1, a(1) = 5, a(2) = 29\}$ , ogf]  
A142981 4.23314 [  $\{(-n^2-6*n-9)*a(n+1)+a(n+3)-7*a(n+2), a(0) = 1, a(1) = 7, a(2) = 53\}$ , ogf]  
A142982 3.92634 [  $\{(n^2+6*n+9)*a(n+1)-a(n+3)+9*a(n+2), a(0) = 1, a(1) = 9, a(2) = 85\}$ , ogf]  
A142983 5.35170 [  $\{(n^2+7*n+12)*a(n+1)-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 2, a(2) = 10\}$ , ogf]  
A142984 4.43966 [  $\{(n^2+7*n+12)*a(n+1)-a(n+3)+4*a(n+2), a(0) = 1, a(1) = 4, a(2) = 22\}$ , ogf]  
A142985 4.17748 [  $\{(n^2+7*n+12)*a(n+1)-a(n+3)+6*a(n+2), a(0) = 1, a(1) = 6, a(2) = 30\}$ , ogf]

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= 42}, ogf]
A142986 4.35813 [ {(n^2+7*n+12)*a(n+1)-a(n+3)+8*a(n+2), a(0) = 1, a(1) = 8, a(2)
= 70}, ogf]
A142987 3.95784 [ {(n^2+7*n+12)*a(n+1)-a(n+3)+10*a(n+2), a(0) = 1, a(1) = 10,
a(2) = 106}, ogf]
A142988 4.34765 [ {(-n^2-8*n-15)*a(n+1)+a(n+3)-3*a(n+2), a(0) = 1, a(1) = 3, a(2)
= 17}, ogf]
A142989 4.13233 [ {(n^2+8*n+15)*a(n+1)-a(n+3)+5*a(n+2), a(0) = 1, a(1) = 5, a(2)
= 33}, ogf]
A142990 4.31298 [ {(n^2+8*n+15)*a(n+1)-a(n+3)+7*a(n+2), a(0) = 1, a(1) = 7, a(2)
= 57}, ogf]
A142991 3.96207 [ {(n^2+8*n+15)*a(n+1)-a(n+3)+9*a(n+2), a(0) = 1, a(1) = 9, a(2)
= 89}, ogf]
A142993 5.12393 [ -(x^4+28*x^3+70*x^2+28*x+1)/(x-1)^5 ogf]
A142993 7.76619 [ -(33+252*x+x^4+60*x^3+294*x^2)/(x-1)/(x^4+28*x^3+70*x^2+28*x+1)
lgdogf]
A142994 3.97786 [ {(-2*n^2-9*n-10)*a(n+1)+(4*n^2+20*n+75)*a(n
+2)+(-2*n^2-11*n-15)*a(n+3), a(0) = 1, a(1) = 51, a(2) = 501}, ogf]
A142994 5.35681 [ -(51+645*x+95*x^4+810*x^3+1470*x^2+x^5)/(x-1)/(x+1)/
(x^4+44*x^3+166*x^2+44*x+1) lgdogf]
A142994 6.13534 [ (x+1)*(x^4+44*x^3+166*x^2+44*x+1)/(x-1)^6 ogf]
A142999 4.09752 [ {(n^3+6*n^2+12*n+8)*a(n+1)+(2*n+5)*a(n+2)+(-n-3)*a(n+3), a(0) =
0, a(1) = 1, a(2) = 3/2}, egf]
A143008 23.9986 [ -(13+16*x+x^2)/(x-1)/(x^2+4*x+1) lgdogf]
A143008 3.89143 [ {(n+4)*a(n+4)+(-4+3*n)*a(n+3)+(-22-3*n)*a(n+2)+(-2-n)*a(n+1),
a(0) = 1, a(1) = 13, a(2) = 73, a(3) = 253}, ogf]
A143008 8.14768 [ -(x^2+4*x+1)^2/(x-1)^5 ogf]
A143009 12.8755 [ -(25+81*x+x^3+33*x^2)/(x-1)/(x+1)/(x^2+8*x+1) lgdogf]
A143009 4.38721 [ -(x+1)^2*(x^2+8*x+1)^2/(x-1)^7 ogf]
A143010 10.1899 [ -(41+256*x+x^4+56*x^3+276*x^2)/(x-1)/(x^4+16*x^3+36*x^2+16*x+1)
lgdogf]
A143010 3.63710 [ -(x^4+16*x^3+36*x^2+16*x+1)^2/(x-1)^9 ogf]
A143011 3.21915 [ -(x+1)^2*(x^4+24*x^3+76*x^2+24*x+1)^2/(x-1)^11 ogf]
A143011 3.55639 [ {(n^3+6*n^2+12*n+8)*a(n+1)+(-2*n^3-15*n^2-159*n-335)*a(n
+2)+(n^3+9*n^2+27*n+27)*a(n+3), a(0) = 1, a(1) = 61, a(2) = 1441}, ogf]
A143011 9.41192 [ -(61+625*x+85*x^4+700*x^3+1300*x^2+x^5)/(x-1)/(x+1)/
(x^4+24*x^3+76*x^2+24*x+1) lgdogf]
A143013 12.8802 [ -1/2-1/2*x-1/2*x^2+1/2*(1+6*x+3*x^2+2*x^3+x^4)^(1/2) revogf]
A143013 3.48521 [ {(-4*n-6)*a(n+1)+(-3*n-9)*a(n+2)+(-2*n-9)*a(n+3)+(n+6)*a(n+4),
a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 7}, ogf]
A143017 22.9488 [ x*(2*x+1)/(x+1)/(x^2+3*x+1) revogf]
A143020 7.97512 [ -1/2*((1+4*x)^(1/2)*x^2+5*(1+4*x)^(1/2)*x
+2*(1+4*x)^(1/2)-2-9*x-7*x^2)/x^3 revogf]
A143023 9.71196 [ -1/8*((x^2+6*x+1)^(1/2)+3*(x^2+6*x+1)^(1/2)*x-1-6*x-5*x^2)/x^3
revogf]
A143025 13.6756 [ -(8*x^3+2*x^2+8*x+1)/(x-1)/(x+1)/(x^2+1) ogf]
A143025 6.17385 [ -4*(2+x+2*x^6+6*x^4+x^3+6*x^2+x^5)/(x-1)/(x+1)/(x^2+1)/
(8*x^3+2*x^2+8*x+1) lgdogf]
A143036 14.6568 [ (513*x+511)/(x-1)^2 ogf]
A143036 15.3035 [ -1/2*(-511-2*x+(261121+4096*x)^(1/2))/(-513+x) revogf]
A143036 22.7084 [ -(1535+513*x)/(513*x+511)/(x-1) lgdogf]
A143036 8.25495 [ {-a(n+2)+2*a(n+1)-a(n), a(0) = 511, a(1) = 1535}, ogf]
A143045 26.7207 [ -1/2+x^2+1/2*(1-4*x^2+4*x)^(1/2) revogf]
A143055 4.94261 [ {-a(n+4)+2*a(n+3)+a(n+2)-2*a(n+1)-2*a(n), a(0) = 0, a(1) = 1,
a(2) = 1, a(3) = 2}, ogf]
A143055 8.41881 [ -(1+8*x^4-4*x^3-5*x^2+4*x^5)/(x^2+x-1)/(2*x^4+2*x^3-x^2-2*x+1)
lgdogf]
A143055 9.54668 [ -x*(x^2+x-1)/(2*x^4+2*x^3-x^2-2*x+1) ogf]
A143056 14.5240 [ -x*(x^2+x-1)/(x^4+2*x^3-2*x+1) ogf]
A143056 9.53886 [ -(1-2*x+5*x^4-4*x^2+2*x^5)/(x^2+x-1)/(x^4+2*x^3-2*x+1) lgdogf]
A143059 5.89200 [ -(2*x^4-9*x^3+x^2+6*x+1)/(x-1)^5 ogf]

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A143059 9.10007  $-(11+26*x+2*x^4-10*x^3-24*x^2)/(x-1)/(2*x^4-9*x^3+x^2+6*x+1)$   
lgdogf  
A143060 5.35319  $[(9*x^5-9*x^4-25*x^3+15*x^2+10*x+1)/(x-1)^6$  ogf]  
A143060 7.00014  $(1920+9600*x+160*x^4+2420*x^3+9300*x^2+x^5)/(3900*x^2+120+1800*x$   
 $+155*x^4+1800*x^3+x^5)$  lgdegf  
A143066 8.00466  $[-(x^7+x^6+x^5-x^2-x+1)/(x^9+x^6+x^3+1)$   
ogf\_with\_Euler\_transform]  
A143068 6.12746  $[-(2*x^10+3*x^9-2*x^8+x^7-2*x^6+x^5-2*x^4+x^3-2*x^2+3*x-2)/(-$   
 $x^12+1)$  ogf\_with\_Euler\_transform]  
A143075 8.27921  $[1/(x+1)/(x^2-x+1)/(x^2+x-1)/(x-1)^3$  ogf]  
A143075 9.37534  $-2*(-2+x+x^4-5*x^3+4*x^2+4*x^5)/(x-1)/(x+1)/(x^2-x+1)/(x^2+x-1)$   
lgdogf  
A143079 11.6845  $[-(9*x-1)/(12*x-1)/(6*x-1)$  ogf]  
A143079 12.5025  $-9*(1-16*x+72*x^2)/(6*x-1)/(12*x-1)/(9*x-1)$  lgdogf  
A143079 6.53774  $[{a(n+2)-18*a(n+1)+72*a(n), a(0) = 1, a(1) = 9},$  ogf]  
A143079 6.80517  $1/12*\ln(8*x$   
 $+1)+1/12*\ln(2*(1+6*x)^(1/2)-1)-1/12*\ln(1+2*(1+6*x)^(1/2))+1/12*\ln(3)$  revegfg  
A143090 13.9332  $(16+30*x+15*x^4+16*x^3+27*x^2+6*x^5)/(x+2)/$   
 $(x^5+x^4+2*x^3+5*x^2+5*x+6)$  lgdogf  
A143095 12.0890  $[{a(n+2)-2*a(n), a(0) = 1, a(1) = 4},$  ogf]  
A143095 18.8707  $[-(4*x+1)/(2*x^2-1)$  ogf]  
A143095 21.6785  $1/4*(-1+(1+16*x+8*x^2)^(1/2))/(x+2)$  revogfg  
A143095 23.7108  $-4*(1+x+2*x^2)/(4*x+1)/(2*x^2-1)$  lgdogf  
A143096 12.9300  $(4-14*x+4*x^4-12*x^3+19*x^2)/(x-1)/(2*x-1)/(2*x^3-5*x^2+x+1)$   
lgdogf  
A143096 12.9493  $[(2*x^3-5*x^2+x+1)/(2*x-1)/(x-1)$  ogf]  
A143096 6.92899  $[{a(n+4)-3*a(n+3)+2*a(n+2), a(0) = 1, a(1) = 4, a(2) = 5, a(3) =$   
 $9},$  ogf]  
A143097 10.6482  $[(x^4-2*x^3+2*x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A143097 12.1681  $(-2-6*x-3*x^4-7*x^3-x^2+x^5)/(x-1)/(x^2+x+1)/(x^4-2*x^3+2*x^2+x$   
 $+1)$  lgdogf  
A143098 11.0293  $[-(x^3-x^2+2*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A143098 12.7536  $(-2+2*x+x^4-4*x^3-6*x^2)/(x-1)/(x^2+x+1)/(x^3-x^2+2*x+1)$  lgdogf  
A143098 6.54865  $[{-a(n+4)+a(n+1), a(0) = 1, a(1) = 2, a(2) = -1, a(3) = 2},$  ogf]  
A143099 8.26723  $[-(5*x^4-7*x^3+5*x^2-3*x+1)/(x-1)/(x^2-x+1)/(2*x-1)^2$  ogf]  
A143100 10.2585  $[(3*x^3-2*x^2-x+1)/(2*x-1)/(x-1)/(x^2-x+1)$  ogf]  
A143101 8.87978  $[-(x^4-2*x^3+2*x^2+x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A143126 12.3808  $[-(6*x-1)/(2*x-1)^2$  ogf]  
A143126 17.3765  $-1/4*(-1-4*x+(1-16*x)^(1/2))/(3+2*x)$  revogfg  
A143126 24.0598  $-2*(1+6*x)/(6*x-1)/(2*x-1)$  lgdogf  
A143126 6.79433  $[{-a(n+2)+4*a(n+1)-4*a(n), a(0) = 1, a(1) = -2},$  ogf]  
A143131 14.8198  $-(5+13*x+13*x^3+49*x^2)/(x-1)/(13*x^3+5*x^2+x+1)$  lgdogf  
A143131 3.86061  $[{(-59*n^2-334*n-432)*a(n+1)+(78*n^2+246*n-135)*a(n$   
 $+2)+(-19*n^2-32*n+75)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 19},$  ogf]  
A143131 9.30506  $[(13*x^3+5*x^2+x+1)/(x-1)^4$  ogf]  
A143132 11.5158  $-2*(3+8*x+23*x^4+108*x^3+33*x^2)/(x-1)/(46*x^4+16*x^3+6*x^2+x+1)$   
lgdogf  
A143132 7.74345  $[-(46*x^4+16*x^3+6*x^2+x+1)/(x-1)^5$  ogf]  
A143134 27.2883  $-1/2+1/2*\cos(2*x)+x$  revegfg  
A143136 16.3124  $-1/4*\exp(-2*x)-1/4*\exp(2*x)+1/2+x$  revegfg  
A143138 22.5588  $-1+x-\exp(2*x)+2*\exp(x)$  revegfg  
A143139 56.3622  $-x^2+\ln(x+1)$  revegfg  
A143155 38.8163  $1-x^2-\exp(-x)$  revegfg  
A143159 6.72320  $[-(4*x^5-4*x^4-5*x^3-2*x^2-x)/(x^6+x^5+x^4-x^2-x-1)$   
ogf\_with\_Euler\_transform]  
A143160 6.60410  $[-(4*x^5+5*x^4+7*x^3+5*x^2+3*x+1)/(-x^6-x^5-x^4+x^2+x+1)$   
ogf\_with\_Euler\_transform]  
A143161 12.4424  $[-(2*x^2+x+2)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A143165 3.29248  $[{(-8*n^3-56*n^2-130*n-100)*a(n+1)+(4*n^2+16*n+13)*a(n+2)+(2*n$   
 $+10)*a(n+3)-a(n+4), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 49},$  ogf]  
A143166 10.8672  $[x*(x+3)*(3*x+1)/(x-1)^4$  ogf]

A143166 20.8713  $-2*(11+18*x+3*x^2)/(x-1)/(x+3)/(3*x+1)$  lgdogf  
A143166 4.06149  $[{(9+3*n)*a(n+4)+(-8+7*n)*a(n+3)+(-43-7*n)*a(n+2)+(-6-3*n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 22, a(3) = 73}]$ , ogf]  
A143167 4.12622  $[{(-16*n^2-84*n-110)*a(n+1)+(8*n+25)*a(n+2)-a(n+3), a(0) = 1, a(1) = 9, a(2) = 111}]$ , ogf]  
A143208 12.2448  $[(3*x^3-11*x^2+7*x-2)/(x-1)^3$  ogf]  
A143208 20.6181  $(-1+8*x+2*x^2)/(x-1)/(3*x^3-11*x^2+7*x-2)$  lgdogf  
A143208 6.49348  $[{-a(n+4)+3*a(n+3)-3*a(n+2)+a(n+1), a(0) = 2, a(1) = -1, a(2) = 2, a(3) = 8}]$ , ogf]  
A143212 8.13259  $-(2+4*x+3*x^6+3*x^4+6*x^3-19*x^2-6*x^5)/(x+1)/(x^2-3*x+1)/(x^2-x+1)/(x^2+x-1)$  lgdogf  
A143212 8.30381  $[-(x^2-x+1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A143217 4.34453  $[{(n^3+8*n^2+21*n+18)*a(n+1)+(-n^2-7*n-12)*a(n+2)+a(n+3), a(0) = 1, a(1) = 2, a(2) = 8}]$ , ogf]  
A143240 20.8370  $[-x/(-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A143241 12.0754  $[-(x^5+x^4+x^2+x+1)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A143242 8.19936  $[-(x^5+x^4-x^3-x^2+x-1)/(x^6+x^3+1)$  ogf\_with\_Euler\_transform]  
A143248 5.00822  $[{(-n^2-5*n-6)*a(n)+a(n+1), a(0) = 0, a(1) = 12}]$ , ogf]  
A143251 8.29728  $[-(2*x^5+x^4-x^3-x^2+x+1)/(-x^6+x^4-x^2+1)$  ogf\_with\_Euler\_transform]  
A143259 10.9538  $[-(x^3-x^2+1)/(x^4+1)$  ogf\_with\_Euler\_transform]  
A143277 19.3000  $[-(2*x^2+1)/(x^3-1)$  ogf\_with\_Euler\_transform]  
A143281 18.1165  $[x^3/(x^2+x-1)/(x^3+x-1)$  ogf]  
A143281 21.9339  $-(2+5*x^4+4*x^3)/(x^2+x-1)/(x^3+x-1)$  lgdogf  
A143282 12.3772  $[x^4/(x^3+x-1)/(x^4+x-1)$  ogf]  
A143282 16.0640  $-(2+2*x+7*x^6+5*x^4-3*x^2)/(x^3+x-1)/(x^4+x-1)$  lgdogf  
A143283 13.1178  $[x^5/(x^2-x+1)/(x^3+x^2-1)/(x^4+x-1)$  ogf]  
A143283 13.6274  $-(2+2*x-4*x^3+6*x^5+9*x^8)/(x^2-x+1)/(x^3+x^2-1)/(x^4+x-1)$  lgdogf  
A143284 12.6126  $[x^6/(x^2-x+1)/(x^3+x^2-1)/(x^6+x-1)$  ogf]  
A143284 12.9463  $-(2+2*x+7*x^6-5*x^4+11*x^10)/(x^2-x+1)/(x^3+x^2-1)/(x^6+x-1)$  lgdogf  
A143285 13.0004  $[x^7/(x^6+x-1)/(x^7+x-1)$  ogf]  
A143285 16.6902  $-(2+2*x+13*x^12-6*x^5+8*x^7)/(x^6+x-1)/(x^7+x-1)$  lgdogf  
A143286 12.9995  $[x^8/(x^7+x-1)/(x^8+x-1)$  ogf]  
A143286 16.7724  $-(2+2*x-7*x^6+15*x^14+9*x^8)/(x^7+x-1)/(x^8+x-1)$  lgdogf  
A143287 12.7853  $[x^9/(x^8+x-1)/(x^9+x-1)$  ogf]  
A143287 16.5102  $-(2+2*x+10*x^9+17*x^16-8*x^7)/(x^8+x-1)/(x^9+x-1)$  lgdogf  
A143288 12.6977  $[x^{10}/(x^9+x-1)/(x^{10}+x-1)$  ogf]  
A143288 16.0944  $-(2+2*x+11*x^{10}+19*x^{18}-9*x^8)/(x^9+x-1)/(x^{10}+x-1)$  lgdogf  
A143289 10.5714  $-(2+2*x-10*x^9+12*x^{11}+21*x^{20})/(x^2-x+1)/(x^9+x^8-x^6-x^5+x^3+x^2-1)/(x^{10}+x-1)$  lgdogf  
A143289 12.7345  $[x^{11}/(x^2-x+1)/(x^9+x^8-x^6-x^5+x^3+x^2-1)/(x^{10}+x-1)$  ogf]  
A143290 12.5350  $[x^{12}/(x^2-x+1)/(x^{12}+x-1)/(x^9+x^8-x^6-x^5+x^3+x^2-1)$  ogf]  
A143323 4.51466  $[{-(2*x^{19}+x^{18}-3*x^{17}+x^{16}-x^{15}-3*x^{13}+x^{12}-x^{11}+x^{10}-2*x^9+x^8-x^7+x^6-3*x^5-x^3+x^2-3*x+1)/(x^{20}-1)}$  ogf\_with\_Euler\_transform]  
A143335 4.09341  $[ (2*x^9-x^8-x^7-x^6-2*x^5-x^4-2*x^3+1)/(x^{10}+x^9-x^7-x^6-x^5-x^4-x^3+x+1)$  ogf]  
A143339 11.6034  $1/2*(-2+x+(-x^2*(-1+4*x^2-4*x))^{1/2})*x/(-1+x)/(1+x+x^2)$  revogf  
A143351 12.0755  $[-1/(x^{10}+x^9+x^8+x^7+x^4+x^2-1)$  ogf]  
A143351 5.12536  $-x*(2+7*x^5+4*x^2+10*x^8+8*x^6+9*x^7)/(-1+x^2+x^4+x^7+x^8+x^9+x^{10})$  lgdogf  
A143363 15.8279  $1/2/(-2+x)*(-1+2*x+(1+4*x)^{1/2})*(-1+x)$  revogf  
A143366 5.86804  $[3*(9*x^4+280*x^3+734*x^2+280*x+9)/(x-1)^6$  ogf]  
A143366 8.55544  $-2*(167+1434*x+9*x^4+438*x^3+1888*x^2)/(x-1)/(9*x^4+280*x^3+734*x^2+280*x+9)$  lgdogf  
A143367 5.77047  $[ -4*(58624*x^4-116832*x^3+81760*x^2-22926*x+2353)/(x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A143369 5.77015  $[ -4*(58624*x^4-138336*x^3+129424*x^2-42762*x+9151)/(x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]

A143371 11.2483 [  $-(x^2-4x-1)/(x-1)^4$  ogf]  
A143371 23.0691  $-2*(-4-5x+x^2)/(x-1)/(x^2-4x-1)$  lgdogf  
A143371 3.90018 [  $\{(-n-4)a(n+4)+(-1-3n)a(n+3)+(20+5n)a(n+2)+(-3-n)a(n+1), a(0) = 1, a(1) = 8, a(2) = 25, a(3) = 56\}$ , ogf]  
A143372 4.02998 [  $-1/(5x^{13}+3x^{12}+7x^{11}+3x^{10}-2x^9-3x^8-2x^7-2x^6+3x^5+x^4+x^3+2x^2-x-1)$  ogf]  
A143373 11.3532 [  $-1/(x^7+2x^5+2x^3+x-1)$  ogf]  
A143373 11.7950  $-(1+6x^2+10x^4+7x^6)/(-1+x+2x^3+2x^5+x^7)$  lgdogf  
A143374 11.1079  $-2*(-1-7x+28x^6-20x^4+28x^3+12x^2-18x^5)/(-7x^2+1-2x+14x^4+8x^3-6x^6-8x^5+8x^7)$  lgdogf  
A143375 12.4672 [  $-1/(x^{12}+x^{10}+x^8+2x^5+x^2-1)$  ogf]  
A143375 12.5440  $-2x*(1+5x^3+4x^6+5x^8+6x^{10})/(-1+x^2+2x^5+x^8+x^{10}+x^{12})$  lgdogf  
A143377 11.9776 [  $-(2x^3+2x^2+x+2)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A143378 14.1776 [  $-(2x^3-x^2+4x-1)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A143379 12.9434 [  $-(-2x^2+x-1)/(x^3-x^2+x-1)$  ogf\_with\_Euler\_transform]  
A143380 8.84093 [  $-(-2x^3+2x^2-3x+2)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A143389 6.62884 [  $-1/(5x^{13}+10x^{12}+12x^{11}+10x^{10}+7x^9+3x^8-5x^6-8x^5-9x^4-8x^3-6x^2-3x-1)$  ogf]  
A143399 8.41229  $-2*(15-355x+16800x^4-11888x^3+3105x^2)/(6x-1)/(4x-1)/(8x-1)/(7x-1)/(5x-1)$  lgdogf  
A143399 9.99722 [  $-x^4/(6x-1)/(4x-1)/(8x-1)/(7x-1)/(5x-1)$  ogf]  
A143400 6.71891  $-(-45+1670x-639300x^4+178096x^3-24525x^2+907200x^5)/(6x-1)/(9x-1)/(8x-1)/(7x-1)/(5x-1)/(10x-1)$  lgdogf  
A143400 8.26294 [  $x^5/(6x-1)/(9x-1)/(8x-1)/(7x-1)/(5x-1)/(10x-1)$  ogf]  
A143401 6.15999  $1/5*(-45045+14175x-x^4+360x^3-945x^2+(25410x^6+37111015x^4+156080925x^2+x^8+2029052025)^{(1/2)})/x/(8x^2+315)$  lgdegf  
A143401 6.63277 [  $-x^6/(9x-1)/(6x-1)/(7x-1)/(12x-1)/(10x-1)/(11x-1)/(8x-1)$  ogf]  
A143402 5.44856 [  $x^7/(9x-1)/(13x-1)/(7x-1)/(12x-1)/(14x-1)/(10x-1)/(11x-1)/(8x-1)$  ogf]  
A143403 4.84274 [  $-x^8/(9x-1)/(13x-1)/(15x-1)/(12x-1)/(14x-1)/(10x-1)/(11x-1)/(8x-1)/(16x-1)$  ogf]  
A143404 3.88017 [  $x^9/(15x-1)/(10x-1)/(11x-1)/(13x-1)/(17x-1)/(9x-1)/(12x-1)/(16x-1)/(18x-1)/(14x-1)$  ogf]  
A143405 35.6388  $2*\exp(2x)-\exp(x)$  lgdegf  
A143412 16.3145  $-15-8x+(8-64x)*f(x)+(-1+16x-64x^2)*f(x)^2$  lgdegf  
A143412 3.38961 [  $\{(-2-n)a(n+1)+(-8n^2-35n-36)a(n+2)+(8n^2+61n+114)a(n+3)+(-n-4)a(n+4), a(0) = 1, a(1) = 3, a(2) = 37, a(3) = 743\}$ , ogf]  
A143415 3.63102 [  $\{(-n^2-2n)a(n)+(-4n^3-18n^2-28n-15)a(n+1)+(n^2+4n+3)a(n+2), a(0) = 0, a(1) = 1\}$ , ogf]  
A143431 10.8792 [  $\{-a(n+4)-a(n), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = -1\}$ , ogf]  
A143431 16.7959 [  $-(x-1)*(x^2+1)/(x^4+1)$  ogf]  
A143431 19.9109  $-(-1+2x+x^6+3x^4-4x^3-3x^2-2x^5)/(x-1)/(x^2+1)/(x^4+1)$  lgdogf  
A143431 28.9494 [  $x^7-2x^3+x-1$  ogf\_with\_Euler\_transform]  
A143432 13.1454 [  $-(x^4+1)/(x-1)/(x^2+1)$  ogf]  
A143432 16.7703  $(-1+2x+x^6+3x^4-4x^3-3x^2-2x^5)/(x-1)/(x^2+1)/(x^4+1)$  lgdogf  
A143432 22.6590 [  $-x^7+2x^3-x+1$  ogf\_with\_Euler\_transform]  
A143432 5.27668 [  $\{a(n+4)-a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 0, a(4) = 2\}$ , ogf]  
A143433 3.85453 [  $-(x^{15}+x^{14}-x^{12}-x^{11}-x^{10}+x^9+x^8+2x^7+x^6+x^5-x^4-x^3-x^2+1)/(-x^{16}+1)$  ogf\_with\_Euler\_transform]  
A143434 3.93483 [  $-(x^{15}-x^{14}+x^{13}+x^{12}-x^{11}+x^{10}-x^8+2x^7-x^6+x^4-x^3+x^2+x-1)/(-x^{16}+1)$  ogf\_with\_Euler\_transform]  
A143438 6.93277 [  $1/(x^6-x^4-x^3-x^2+1)$  ogf]  
A143438 8.30546  $-x*(-2-4x^2-3x+6x^4)/(1-x^2-x^3-x^4+x^6)$  lgdogf

A143447 11.7547 [  $-(2*x^4+2*x^3+2*x^2+2*x+1)/(2*x^5+x-1)$  ogf]  
A143447 8.84582  $-(3+4*x+12*x^6+4*x^4+4*x^3+4*x^2+16*x^5+8*x^7+4*x^8)/(2*x^4+2*x^3+2*x^2+2*x+1)/(2*x^5+x-1)$  lgdogf  
A143448 10.8120 [  $-(2*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(x+1)/(2*x^5-2*x^4+2*x^3-2*x^2+2*x-1)$  ogf]  
A143449 6.07322  $-(3+4*x+4*x^6+4*x^4+4*x^3+16*x^9+12*x^{10}+8*x^{11}+4*x^{12}+4*x^2+4*x^5+24*x^7+20*x^8)/(2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(2*x^7+x-1)$  lgdogf  
A143449 9.53905 [  $-(2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(2*x^7+x-1)$  ogf]  
A143450 9.02509 [  $-(2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(x+1)/(2*x^7-2*x^6+2*x^5-2*x^4+2*x^3-2*x^2+2*x-1)$  ogf]  
A143451 8.31733 [  $-(2*x^8+2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(2*x^9+x-1)$  ogf]  
A143452 7.64212 [  $-(2*x^9+2*x^8+2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(x+1)/(2*x^9-2*x^8+2*x^7-2*x^6+2*x^5-2*x^4+2*x^3-2*x^2+2*x-1)$  ogf]  
A143454 10.1533  $-(4+6*x+9*x^6+27*x^4+6*x^3+6*x^2+18*x^5)/(3*x^3+3*x^2+3*x+1)/(3*x^4+x-1)$  lgdogf  
A143454 12.9046 [  $-(3*x^3+3*x^2+3*x+1)/(3*x^4+x-1)$  ogf]  
A143455 10.8601 [  $-(3*x^4+3*x^3+3*x^2+3*x+1)/(3*x^5+x-1)$  ogf]  
A143455 8.07465  $-(4+6*x+27*x^6+6*x^4+6*x^3+6*x^2+36*x^5+18*x^7+9*x^8)/(3*x^4+3*x^3+3*x^2+3*x+1)/(3*x^5+x-1)$  lgdogf  
A143456 6.77956  $-(4+6*x+45*x^6+6*x^4+6*x^3+18*x^9+9*x^{10}+6*x^2+6*x^5+36*x^7+27*x^8)/(3*x^6+x-1)/(3*x^5+3*x^4+3*x^3+3*x^2+3*x+1)$  lgdogf  
A143456 9.96477 [  $-(3*x^5+3*x^4+3*x^3+3*x^2+3*x+1)/(3*x^6+x-1)$  ogf]  
A143457 5.59849  $-(4+6*x+6*x^6+6*x^4+6*x^3+36*x^9+27*x^{10}+18*x^{11}+9*x^{12}+6*x^2+6*x^5+54*x^7+45*x^8)/(3*x^7+x-1)/(3*x^6+3*x^5+3*x^4+3*x^3+3*x^2+3*x+1)$  lgdogf  
A143457 8.86888 [  $-(3*x^6+3*x^5+3*x^4+3*x^3+3*x^2+3*x+1)/(3*x^7+x-1)$  ogf]  
A143458 8.78909 [  $-(3*x^7+3*x^6+3*x^5+3*x^4+3*x^3+3*x^2+3*x+1)/(3*x^8+x-1)$  ogf]  
A143459 7.75571 [  $-(3*x^8+3*x^7+3*x^6+3*x^5+3*x^4+3*x^3+3*x^2+3*x+1)/(3*x^9+x-1)$  ogf]  
A143460 7.12884 [  $-(3*x^9+3*x^8+3*x^7+3*x^6+3*x^5+3*x^4+3*x^3+3*x^2+3*x+1)/(3*x^{10}+x-1)$  ogf]  
A143462 22.8701 [  $1/(8*x^2+4*x+1)$  ogf]  
A143462 29.6188  $-4*(4*x+1)/(8*x^2+1+4*x)$  lgdogf  
A143462 8.08822 [  $\{a(n+2)+4*a(n+1)+8*a(n), a(0) = 1, a(1) = -4\}$ , ogf]  
A143464 5.43693  $(-32*n-32*n^2)*a(n)+(-136*n-96-40*n^2)*a(n+1)+(-102-82*n-16*n^2)*a(n+2)+(-30-21*n-3*n^2)*a(n+3), a(0)=0, a(1)=1, a(2)=-3$  revogf  
A143472 14.7596 [  $1/(x^{10}-x^7-x^5-x^3+1)$  ogf]  
A143472 16.1836  $-x^2*(-3-5*x^2-7*x^4+10*x^7)/(1-x^3-x^5-x^7+x^{10})$  lgdogf  
A143478 6.71330 [  $-1/(x^{11}+8*x^{10}-24*x^9-42*x^8+54*x^7+66*x^6-40*x^5-42*x^4+11*x^3+11*x^2-x-1)$  ogf]  
A143488 10.6591 [  $-(2*x^{12}+x^{10}+x^8-x^5+x^3+1)/(x-1)/(x^4+1)/(x^8-x^4+1)$  ogf]  
A143489 10.7749 [  $-(x^{12}+x^9-x^7+x^4+x^2+2)/(x-1)/(x^4+1)/(x^8-x^4+1)$  ogf]  
A143490 10.2195 [  $-(3*x^{12}+x^{11}-x^8-x^6-x^4+x^3)/(x-1)/(x^4+1)/(x^8-x^4+1)$  ogf]  
A143604 7.98280 [  $1/(x^{10}+x^8-x^7-x^5-x^3+x^2+1)$  ogf]  
A143604 9.64527  $-x*(2-7*x^5-5*x^3+10*x^8-3*x+8*x^6)/(1+x^2-x^3-x^5-x^7+x^8+x^{10})$  lgdogf  
A143605 12.1374 [  $1/(x^{10}+x^9-x^5+x+1)$  ogf]  
A143605 14.8129  $-(1-5*x^4+10*x^9+9*x^8)/(-x^5+1+x+x^{10}+x^9)$  lgdogf  
A143606 8.05314 [  $1/(x^{12}+x^{11}-x^9-x^7-x^6-x^5-x^3+x+1)$  ogf]  
A143606 8.67714  $-(1-7*x^6-5*x^4+11*x^{10}+12*x^{11}-3*x^2-6*x^5-9*x^8)/(-x^3+1+x+x^{12}-x^6-x^5-x^9-x^7+x^{11})$  lgdogf  
A143607 11.2182 [  $-(x+1)*(x^3+2*x+1)/(x^4+2*x^2-1)$  ogf]  
A143607 12.5434  $-(x^2+1)*(x^4+6*x^2+8*x+3)/(x+1)/(x^3+2*x+1)/(x^4+2*x^2-1)$  lgdogf  
A143608 10.6454  $-2*(-2-7*x+6*x^4+2*x^3-12*x^2+x^5)/(x^2+4*x+1)/(x^2+2*x-1)/(x^2-2*x-1)$  lgdogf  
A143608 12.3849 [  $x*(x^2+4*x+1)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]

A143609 11.5118 [  $-(x^3+2x^2-3x-2)/(x^2+2x-1)/(x^2-2x-1)$  ogf]  
A143611 11.3586 [  $1/(x^{10}+x^9-x^7-x^6-x^5-x^4-x^3+x+1)/(x-1)^2$  ogf]  
A143611 8.44309  $-(1+3x-x^6-x^4-x^3+x^9+12x^{10}+3x^2-x^5-9x^7-9x^8)/(x-1)/(x^{10}+x^9-x^7-x^6-x^5-x^4-x^3+x+1)$  lgdogf  
A143616 14.8146 [  $-(x^5-x^4+5x-6)/(x-1)^2$  ogf]  
A143616 18.8646  $(7-5x-7x^4+4x^3+3x^5)/(x-1)/(x^5-x^4+5x-6)$  lgdogf  
A143617 5.57313 [  $-2x*(6x^{10}+34x^9-30x^8+30x^7-10x^6-20x^5-4x^4-x^3-4x^2-x-4)/(x-1)/(10x^7-1)$  ogf]  
A143618 10.1712  $(8+14x+2x^6-18x^4+8x^3+27x^2+10x^7)/(x-1)/(x^2+x+1)/(5x^5+2x^4-4x^3-7x^2-8x-5)$  lgdogf  
A143618 12.6523 [  $(5x^5+2x^4-4x^3-7x^2-8x-5)/(x-1)/(x^2+x+1)$  ogf]  
A143619 18.6742  $-x*(-2-7x^5-12x^{10}+14x^{12})/(1-x^2-x^7-x^{12}+x^{14})$  lgdogf  
A143619 18.7557 [  $1/(x^{14}-x^{12}-x^7-x^2+1)$  ogf]  
A143621 13.4838 [  $(x+1)*(x^2+1)/(x^4+1)$  ogf]  
A143621 15.8128  $-(-1-2x+x^6+3x^4+4x^3-3x^2+2x^5)/(x+1)/(x^2+1)/(x^4+1)$  lgdogf  
A143621 26.4321 [  $x^7-2x^3+1$  ogf\_with\_Euler\_transform]  
A143621 8.73384 [  $\{-a(n+4)-a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1\}$ , ogf]  
A143622 25.9155 [  $x^{15}-2x^7+1$  ogf\_with\_Euler\_transform]  
A143622 7.83223  $-(-2x+2x^{13}-7x^6-5x^4-4x^3+6x^9+5x^{10}+4x^{11}+3x^{12}-3x^2+x^{14}-6x^5+8x^7+7x^8-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  lgdogf  
A143622 8.75855 [  $(x+1)*(x^2+1)*(x^4+1)/(x^8+1)$  ogf]  
A143642 10.8645 [  $-(x+1)*(x^3-2x^2-x-1)/(x^6-4x^3+1)$  ogf]  
A143642 7.70874  $-(2+6x-6x^6+12x^4+12x^3+2x^9+15x^2-6x^5-12x^7-3x^8)/(x+1)/(x^3-2x^2-x-1)/(x^6-4x^3+1)$  lgdogf  
A143643 7.21055  $-(-3-10x+9x^4+4x^3-12x^2+2x^5)/(x^2+3x+1)/(x^4-4x^2+1)$  lgdogf  
A143643 7.94519 [  $(x^2+3x+1)/(x^4-4x^2+1)$  ogf]  
A143644 13.6403  $-x^2*(14x^{11}+7x^4-4x-10x^7-11x^8-3)/(1-x^3-x^4+x^7-x^{10}-x^{11}+x^{14})$  lgdogf  
A143644 14.3034 [  $1/(x^{14}-x^{11}-x^{10}+x^7-x^4-x^3+1)$  ogf]  
A143645 18.9933  $(36+110x+4x^3+51x^2)/(55x^2+24+36x+x^4+17x^3)$  lgdogf  
A143645 5.67015 [  $\{-a(n+5), a(0) = 24, a(1) = 36, a(2) = 55, a(3) = 17, a(4) = 1\}$ , ogf]  
A143647 13.1497 [  $-(5x-1)/(22x^2-10x+1)$  ogf]  
A143647 14.7771  $-(5-44x+110x^2)/(5x-1)/(22x^2-10x+1)$  lgdogf  
A143647 7.35760 [  $\{a(n+2)-10a(n+1)+22a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A143648 13.1708 [  $-(4x-1)/(10x^2-8x+1)$  ogf]  
A143648 14.4800  $-4*(1-5x+10x^2)/(-1+4x)/(10x^2-8x+1)$  lgdogf  
A143648 7.29951 [  $\{a(n+2)-8a(n+1)+10a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A143662 11.7044 [  $x^6/(2x-1)/(x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A143662 12.1142  $-(-3+2x+14x^6+5x^4+4x^3+3x^2+6x^5)/(-1+2x)/(x^6+x^5+x^4+x^3+x^2+x-1)$  lgdogf  
A143689 13.0098 [  $-(3x^2-x+1)/(x-1)^3$  ogf]  
A143689 24.3160  $-(2+4x+3x^2)/(x-1)/(3x^2-x+1)$  lgdogf  
A143689 7.08568 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A143690 11.1736 [  $(5x^2+3x+1)/(x-1)^4$  ogf]  
A143690 21.0061  $-(5x+7)*(2x+1)/(x-1)/(5x^2+3x+1)$  lgdogf  
A143690 3.85488 [  $\{(-n-4)*a(n+4)+(1-2n)*a(n+3)+(15-2n)*a(n+2)+(15+5n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 27, a(3) = 70\}$ , ogf]  
A143698 12.2075 [  $-12x*(3x+1)/(x-1)^3$  ogf]  
A143698 32.2423  $-6*(x+1)/(3x+1)/(x-1)$  lgdogf  
A143698 6.37383 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 12, a(2) = 72\}$ , ogf]  
A143699 6.53527  $-(-19-84x-19x^4-4x^3+76x^2+2x^5)/(x-1)/(x+1)/(x^4-19x^3+41x^2-19x+1)$  lgdogf  
A143699 7.33301 [  $-x*(x-1)*(x+1)/(x^4-19x^3+41x^2-19x+1)$  ogf]  
A143721 12.7455  $(22+28x+35x^4+32x^3+30x^2+6x^5)/(14x^2+38+22x+8x^4+10x^3+x^6+7x^5)$  lgdogf

A143722 14.5268  $(76+128*x+5*x^4+164*x^3+189*x^2)/(64*x^2+48+76*x+41*x^4+63*x^3+x^5)$  lgdogf  
A143723 9.44945  $(46+52*x+21*x^6+45*x^4+60*x^3+48*x^2+24*x^5+8*x^7)/(26*x^2+52+46*x+x^8+15*x^4+16*x^3+4*x^6+9*x^5+3*x^7)$  lgdogf  
A143733 9.29441  $(34+40*x+49*x^6+50*x^4+56*x^3+66*x^2+48*x^5+8*x^7)/(20*x^2+62+34*x+x^8+14*x^4+22*x^3+8*x^6+10*x^5+7*x^7)$  lgdogf  
A143737 19.3732  $(58+64*x+4*x^3+93*x^2)/(32*x^2+68+58*x+x^4+31*x^3)$  lgdogf  
A143737 5.67015  $[{-a(n+5), a(0) = 68, a(1) = 58, a(2) = 32, a(3) = 31, a(4) = 1}]$ , ogf]  
A143741 9.20589  $(123+90*x+21*x^6+45*x^4+60*x^3+99*x^2+24*x^5+8*x^7)/(45*x^2+72+123*x+x^8+15*x^4+33*x^3+4*x^6+9*x^5+3*x^7)$  lgdogf  
A143749 30.6039  $-x*(-1+x)/(1+9*x)$  revogf  
A143749 8.81808  $-1/2*(-9*x-1+(1-22*x+81*x^2)^{(1/2)})/(1-22*x+81*x^2)^{(1/2)}/x$  lgdogf  
A143754 20.2224  $(49+16*x+4*x^3+21*x^2)/(8*x^2+75+49*x+x^4+7*x^3)$  lgdogf  
A143755 11.5624  $(106+112*x+205*x^4+252*x^3+192*x^2+6*x^5)/(56*x^2+80+106*x+63*x^4+64*x^3+x^6+41*x^5)$  lgdogf  
A143756 18.6280  $(40+100*x+4*x^3+129*x^2)/(50*x^2+81+40*x+x^4+43*x^3)$  lgdogf  
A143756 5.67015  $[{-a(n+5), a(0) = 81, a(1) = 40, a(2) = 50, a(3) = 43, a(4) = 1}]$ , ogf]  
A143757 14.7469  $(44+80*x+5*x^4+172*x^3+150*x^2)/(40*x^2+82+44*x+43*x^4+50*x^3+x^5)$  lgdogf  
A143758 13.5854  $(140+392*x+5*x^4+148*x^3+609*x^2)/(196*x^2+84+140*x+37*x^4+203*x^3+x^5)$  lgdogf  
A143759 9.44945  $(46+52*x+21*x^6+45*x^4+60*x^3+48*x^2+24*x^5+8*x^7)/(26*x^2+86+46*x+x^8+15*x^4+16*x^3+4*x^6+9*x^5+3*x^7)$  lgdogf  
A143767 13.0043  $(33+30*x+15*x^4+16*x^3+27*x^2+6*x^5)/(15*x^2+87+33*x+4*x^4+9*x^3+x^6+3*x^5)$  lgdogf  
A143769 11.8872  $[3*(3*x+1)*(2*x-1)/(x+1)/(3*x^2+1)$  ogf]  
A143769 6.58044  $[{-a(n+3)-a(n+2)-3*a(n+1)-3*a(n), a(0) = -3, a(1) = 0, a(2) = 27}]$ , ogf]  
A143785 15.5101  $-4*(2+6*x+x^3+3*x^2)/(x-1)/(x+1)/(x^2+2*x+3)$  lgdogf  
A143785 9.48273  $[(x^2+2*x+3)/(x+1)^2/(x-1)^4]$  ogf]  
A143787 14.5941  $[(x+1)*(x-1)^2/(x^3-3*x^2-2*x+1)]$  ogf]  
A143787 7.57135  $[{a(n+4)-2*a(n+3)-3*a(n+2)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 11}]$ , ogf]  
A143795 13.6598  $[(9*x^2+x+1)/(x+1)/(x-1)^2]$  ogf]  
A143795 17.7640  $-(2+22*x+9*x^3+11*x^2)/(x-1)/(x+1)/(9*x^2+x+1)$  lgdogf  
A143795 7.37387  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 12}]$ , ogf]  
A143838 12.0620  $[-(12*x^2+19*x+1)/(x-1)^3]$  ogf]  
A143838 18.6288  $-2*(11+31*x+6*x^2)/(x-1)/(12*x^2+19*x+1)$  lgdogf  
A143838 6.66587  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 22, a(2) = 75}]$ , ogf]  
A143839 12.0620  $[-(10*x^2+21*x+1)/(x-1)^3]$  ogf]  
A143839 18.6288  $-2*(12+31*x+5*x^2)/(x-1)/(10*x^2+21*x+1)$  lgdogf  
A143839 6.66587  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 24, a(2) = 79}]$ , ogf]  
A143840 7.43480  $[{-(-x^7+x^6-x^5+x^4-x^3+x^2-x+1)/(-x^9-1)}$  ogf\_with\_Euler\_transform]  
A143845 13.6931  $[-x*(x+2)*(x^2+4)/(x^4+1)/(x-1)]$  ogf]  
A143845 14.0015  $-(12+4*x+5*x^6+28*x^4-34*x^3+x^2+12*x^5+2*x^7)/(x-1)/(x+2)/(x^2+4)/(x^4+1)$  lgdogf  
A143846 11.7880  $(92+152*x+205*x^4+252*x^3+192*x^2+6*x^5)/(76*x^2+88+92*x+63*x^4+64*x^3+x^6+41*x^5)$  lgdogf  
A143847 7.98549  $(156+472*x+259*x^6+980*x^4+704*x^3+552*x^2+1218*x^5+8*x^7)/(236*x^2+96+156*x+x^8+176*x^4+184*x^3+203*x^6+196*x^5+37*x^7)$  lgdogf  
A143854 12.0620  $[-(14*x^2+17*x+1)/(x-1)^3]$  ogf]  
A143854 18.6288  $-2*(10+31*x+7*x^2)/(x-1)/(14*x^2+17*x+1)$  lgdogf  
A143854 6.66587  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 20, a(2) = 71}]$ , ogf]

A143855 12.1376 [  $-(24x^2+7x+1)/(x-1)^3$  ogf]  
A143855 18.9173  $-2*(5+31x+12x^2)/(x-1)/(24x^2+7x+1)$  lgdogf  
A143855 6.60116 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 10, a(2) = 51\}$ , ogf]  
A143856 12.1376 [  $-(22x^2+9x+1)/(x-1)^3$  ogf]  
A143856 18.9173  $-2*(6+31x+11x^2)/(x-1)/(22x^2+9x+1)$  lgdogf  
A143856 6.60116 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 12, a(2) = 55\}$ , ogf]  
A143859 12.0620 [  $-(16x^2+15x+1)/(x-1)^3$  ogf]  
A143859 19.1065  $-2*(9+31x+8x^2)/(x-1)/(16x^2+15x+1)$  lgdogf  
A143859 6.66587 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 18, a(2) = 67\}$ , ogf]  
A143860 12.0035 [  $-(18x^2+13x+1)/(x-1)^3$  ogf]  
A143860 19.0119  $-2*(9x^2+31x+8)/(x-1)/(18x^2+13x+1)$  lgdogf  
A143860 6.63351 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 16, a(2) = 63\}$ , ogf]  
A143861 12.0035 [  $-(20x^2+11x+1)/(x-1)^3$  ogf]  
A143861 18.5366  $-2*(7+31x+10x^2)/(x-1)/(20x^2+11x+1)$  lgdogf  
A143861 6.63351 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 14, a(2) = 59\}$ , ogf]  
A143894 15.0036 [  $-(-8x^2+10x-8)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A143895 13.9314 [  $-(-10x^2+8x-10)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A143918 5.12277 [  $\{(-n^2-3n)*a(n)+(n^2+4n+5)*a(n+1)+(-n-2)*a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A143919 17.9003  $(117+130x+4x^3+57x^2)/(65x^2+100+117x+x^4+19x^3)$  lgdogf  
A143919 5.58851 [  $\{-a(n+5), a(0) = 100, a(1) = 117, a(2) = 65, a(3) = 19, a(4) = 1\}$ , ogf]  
A143927 47.9971  $x/(x^2+x+1)^2$  revogf  
A143938 16.0386  $-(-109-13x+x^3-7x^2)/(x-1)/(x^3-5x^2-x-27)$  lgdogf  
A143938 3.64335 [  $\{(121n^2+662n+840)*a(n+1)+(534n^2+5670n+12147)*a(n+2)+(-655n^2-4004n-6117)*a(n+3), a(0) = 27, a(1) = 109, a(2) = 279\}$ , ogf]  
A143938 9.43535 [  $-(x^3-5x^2-x-27)/(x-1)^4$  ogf]  
A143941 11.7547 [  $-(x+1)*(x-3)/(x-1)^4$  ogf]  
A143941 22.4686  $-2*(-7-2x+x^2)/(x-1)/(x-3)/(x+1)$  lgdogf  
A143941 4.01522 [  $\{(-3n-12)*a(n+4)+(17+n)*a(n+3)+(10+3n)*a(n+2)+(-3-n)*a(n+1), a(0) = 3, a(1) = 14, a(2) = 37, a(3) = 76\}$ , ogf]  
A143943 10.4390 [  $2*(x+2)^2/(x-1)^4$  ogf]  
A143943 35.2977  $-2*(5+x)/(x+2)/(x-1)$  lgdogf  
A143943 4.67719 [  $\{(-2n-6)*a(n+3)+(12+n)*a(n+2)+(n+3)*a(n+1), a(0) = 8, a(1) = 40, a(2) = 114\}$ , ogf]  
A143945 20.4072  $-(9+17x+4x^2)/(x-1)/(x^2+3x+1)$  lgdogf  
A143945 3.50302 [  $\{(n+3)*a(n+4)+(-5+2n)*a(n+3)+(-19-2n)*a(n+2)+(-4-n)*a(n+1), a(0) = 0, a(1) = 8, a(2) = 72, a(3) = 320\}$ , ogf]  
A143945 7.49570 [  $8*x*(x^2+3x+1)/(x-1)^6$  ogf]  
A143954 3.34079 [  $\{(4n+10)*a(n+1)+(-9n-23)*a(n+2)+(6n+16)*a(n+3)+(-n-3)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 5\}$ , ogf]  
A143955 3.40053 [  $\{(-4n^2-14n-12)*a(n+1)+(5n^2+19n+12)*a(n+2)+(-n^2-5n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A143960 5.37123 [  $\{a(n+3)-7a(n+2)+14a(n+1)-8a(n), a(0) = 2, a(1) = 10, a(2) = 38\}$ , ogf]  
A143960 8.77028  $-(-5+32x+16x^4+32x^3-66x^2)/(x-1)/(-1+2x)/(-1+4x)/(2x^2+2x-1)$  lgdogf  
A143960 9.96277 [  $2*(2x^2+2x-1)/(x-1)/(2x-1)/(4x-1)$  ogf]  
A143975 13.6598  $-(-3-6x-x^4-4x^3-6x^2+2x^5)/(x-1)/(x^2+x+1)/(x^3-x^2-x-1)$  lgdogf  
A143975 9.99234 [  $(x^3-x^2-x-1)/(x^2+x+1)/(x-1)^3$  ogf]  
A143978 10.8274 [  $-(x+1)^2/(x^2+x+1)/(x-1)^3$  ogf]  
A143978 20.4477  $-(x+2)*(3x^2+x+2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A143978 33.1846  $[x^2-2x+4]$  ogf\_with\_Euler\_transform]  
A143988 13.5364 [  $(5x^2+8x+5)/(x+1)/(x-1)^2$  ogf]  
A143988 16.5258  $-(13+33x+5x^3+21x^2)/(x-1)/(x+1)/(5x^2+8x+5)$  lgdogf

A143988 7.24315 [ $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 5, a(1) = 13, a(2) = 23\}$ ,  
ogf]  
A144044 4.60397 [ $\{-a(n+3)+14*a(n+2)+140*a(n+1)-1000*a(n), a(0) = 1, a(1) = 4,$   
 $a(2) = 196\}$ , ogf]  
A144044 8.45536  $-4*(1+70*x+5000*x^3-1100*x^2)/(10*x+1)/(10*x-1)/(100*x^2-24*x+1)$   
lgdogf  
A144044 9.20793 [ $-(10*x-1)/(10*x+1)/(100*x^2-24*x+1)$  ogf]  
A144065 12.0281 [ $x*(x^3-3*x-1)/(x+1)^2/(x-1)^3$  ogf]  
A144065 19.2389  $-(x+2)*(2*x^3-3*x^2-3*x-2)/(x-1)/(x+1)/(x^3-3*x-1)$  lgdogf  
A144065 4.99629 [ $\{(n+5)*a(n+1)+(-n-5)*a(n+2)+(-n-3)*a(n+3)+(n+3)*a(n+4), a(0) =$   
 $0, a(1) = 1, a(2) = 4, a(3) = 6\}$ , ogf]  
A144067 30.2575 [ $3/(-3*x+1)$  ogf\_with\_Euler\_transform]  
A144068 29.7244 [ $4/(-4*x+1)$  ogf\_with\_Euler\_transform]  
A144069 27.4007 [ $5/(-5*x+1)$  ogf\_with\_Euler\_transform]  
A144070 29.4710 [ $6/(-6*x+1)$  ogf\_with\_Euler\_transform]  
A144071 28.1599 [ $7/(-7*x+1)$  ogf\_with\_Euler\_transform]  
A144072 27.3244 [ $8/(-8*x+1)$  ogf\_with\_Euler\_transform]  
A144073 27.9133 [ $9/(-9*x+1)$  ogf\_with\_Euler\_transform]  
A144075 14.2651 [ $-(x^4-x^3-1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A144075 15.4178  $-(-1-x-x^6-2*x^3-4*x^2+x^7)/(x-1)/(x+1)/(x^2+1)/(x^4-x^3-1)$   
lgdogf  
A144085 15.6775  $-7+7*x^2-7*x+(5+9*x^2-16*x)*f(x)+(2-4*x+2*x^2)*f(x)^2$  lgdegf  
A144085 4.28146 [ $\{(-n^2-5*n-6)*a(n+1)+(-n^2-4*n-3)*a(n+2)+(2*n+7)*a(n+3)-a(n+4),$   
 $a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 18\}$ , ogf]  
A144086 3.14321 [ $\{(-n^3-9*n^2-26*n-24)*a(n+1)+(-n^3-7*n^2-12*n)*a(n$   
 $+2)+(2*n^2+13*n+20)*a(n+3)+(-3-n)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) =$   
 $12\}$ , ogf]  
A144086 38.7193  $-(-1-x+x^2)/(x-1)^2$  lgdegf  
A144087 3.38475 [ $\{(n^3+9*n^2+26*n+24)*a(n+1)+(n^3+6*n^2+5*n-12)*a(n$   
 $+2)+(-2*n^2-11*n-12)*a(n+3)+(n+2)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) =$   
 $3\}$ , ogf]  
A144087 42.2466  $-(-1-x+x^2)/(x-1)^2$  lgdegf  
A144109 8.91474 [ $(x^2+4*x+1)/(x^2+1)/(x^2-5*x+1)$  ogf]  
A144109 9.13262  $-(-9+2*x+7*x^4-36*x^3-2*x^2+2*x^5)/(x^2+1)/(x^2+4*x+1)/(x^2-5*x$   
 $+1)$  lgdogf  
A144110 17.9893 [ $-(x^3+2)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A144110 20.1332  $-(2*x^6+6*x^3-3*x^2)/(x-1)/(x+1)/(x^3+2)/(x^2-x+1)$  lgdogf  
A144110 8.26927 [ $\{a(n+4)-a(n+3)+a(n+1)-a(n), a(0) = 2, a(1) = 2, a(2) = 2, a(3)$   
 $= 1\}$ , ogf]  
A144124 6.19677 [ $-(x^4+316*x^3+1046*x^2+316*x+1)/(x-1)^5$  ogf]  
A144124 8.71886  $-(321+3356*x+x^4+636*x^3+4086*x^2)/(x-1)/$   
 $(x^4+316*x^3+1046*x^2+316*x+1)$  lgdogf  
A144126 3.91442 [ $-(x^6+8982*x^5+150543*x^4+346228*x^3+150543*x^2+8982*x+1)/$   
 $(x-1)^7$  ogf]  
A144128 10.9499  $-1/2*(-1-36*x+(34*x+1)^{(1/2)}*(38*x+1)^{(1/2)})/x$  revogf  
A144128 15.1332 [ $1/(x^2-36*x+1)$  ogf]  
A144128 21.8999  $-2*(-18+x)/(x^2+1-36*x)$  lgdogf  
A144128 6.12536 [ $\{-a(n+2)+36*a(n+1)-a(n), a(0) = 1, a(1) = 36\}$ , ogf]  
A144129 20.7370  $-2*(13+34*x+x^2)/(x-1)/(x^2+22*x+1)$  lgdogf  
A144129 3.66482 [ $\{(n+3)*a(n+4)+(16+21*n)*a(n+3)+(-89-21*n)*a(n+2)+(-2-n)*a(n+1),$   
 $a(0) = 0, a(1) = 1, a(2) = 26, a(3) = 99\}$ , ogf]  
A144129 9.95443 [ $x*(x^2+22*x+1)/(x-1)^4$  ogf]  
A144130 10.4735  $-(1+188*x+x^4+188*x^3+582*x^2)/(x-1)/(x^4+92*x^3+102*x^2-4*x+1)$   
lgdogf  
A144130 6.87182 [ $-(x^4+92*x^3+102*x^2-4*x+1)/(x-1)^5$  ogf]  
A144133 11.4068 [ $1/(x^2-6*x+1)^2$  ogf]  
A144133 29.0586  $-4*(x-3)/(x^2+1-6*x)$  lgdogf  
A144133 3.85166 [ $\{(-n-3)*a(n+3)+(24+6*n)*a(n+2)+(-5-n)*a(n+1), a(0) = 1, a(1) =$   
 $12, a(2) = 106\}$ , ogf]  
A144135 22.9369  $-4*(-8+x)/(x^2+1-16*x)$  lgdogf  
A144135 3.32711 [ $\{(-n-3)*a(n+3)+(64+16*n)*a(n+2)+(-5-n)*a(n+1), a(0) = 1, a(1) =$



32,  $a(2) = 766$ }, ogf]  
 A144135 9.73023 [  $1/(x^2-16x+1)^2$  ogf]  
 A144138 10.9128 [  $4x*(x^2+10x+1)/(x-1)^4$  ogf]  
 A144138 23.4304  $-2*(7+16x+x^2)/(x-1)/(x^2+10x+1)$  lgdogf  
 A144138 4.05802 [  $\{(n+3)*a(n+4)+(4+9n)*a(n+3)+(-41-9n)*a(n+2)+(-2-n)*a(n+1)$ ,  
 $a(0) = 0, a(1) = 4, a(2) = 56, a(3) = 204\}$ , ogf]  
 A144139 10.5699  $-(5+388x+5x^4+388x^3+1134x^2)/(x-1)/$   
 $(5x^4+184x^3+194x^2+1)$  lgdogf  
 A144139 7.37523 [  $-(5x^4+184x^3+194x^2+1)/(x-1)^5$  ogf]  
 A144141 5.84267 [  $\{(2n+4)*a(n+1)+a(n+3)-4a(n+2)$ ,  $a(0) = 1, a(1) = 4, a(2) =$   
 $14\}$ , ogf]  
 A144141 53.5884  $-4+2x+f(x)$  lgdegf  
 A144142 5.92880 [  $\{(2n+4)*a(n+1)+a(n+3)-6a(n+2)$ ,  $a(0) = 1, a(1) = 6, a(2) =$   
 $34\}$ , ogf]  
 A144142 53.1097  $-6+2x+f(x)$  lgdegf  
 A144143 49.0210  $-8+2x+f(x)$  lgdegf  
 A144143 6.08654 [  $\{(2n+4)*a(n+1)+a(n+3)-8a(n+2)$ ,  $a(0) = 1, a(1) = 8, a(2) =$   
 $62\}$ , ogf]  
 A144180 15.7037  $(-n-2)*a(n+2)+a(n+1), a(0)=5, a(1)=5$  lgdegf  
 A144181 13.7468 [  $-(4x^3+2x^2+1)/(2x^3+x-1)$  ogf]  
 A144181 6.87342 [  $\{a(n+4)-a(n+3)-2a(n+1)$ ,  $a(0) = 1, a(1) = 1, a(2) = 3, a(3) =$   
 $9\}$ , ogf]  
 A144223 14.1307  $(-n-2)*a(n+2)+a(n+1), a(0)=6, a(1)=6$  lgdegf  
 A144248 15.8618 [  $-(-23-x)/(x-1)$  ogf\_with\_Euler\_transform]  
 A144249 15.9476 [  $-(-22-2x)/(x-1)$  ogf\_with\_Euler\_transform]  
 A144263 14.6927  $(-n-2)*a(n+2)+a(n+1), a(0)=7, a(1)=7$  lgdegf  
 A144297 15.8067  $-(-2x+2+(1-2x)^{(1/2)})/(-1+2x)$  lgdegf  
 A144298 11.5440  $-(3x^2+8x+9)*(x^3-3x^2-3x-1)/(x-1)/(x+1)/(x^4-$   
 $x^3-5x^2-6x-1)$  lgdogf  
 A144298 6.46324 [  $4x^2*(x^4-x^3-5x^2-6x-1)/(x+1)^2/(x-1)^5$  ogf]  
 A144301 3.56328 [  $\{(4+2n)*a(n+1)+(4n^2+15n+16)*a(n+2)+(2n^2+11n+16)*a(n$   
 $+3)+(-n-4)*a(n+4)$ ,  $a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 7\}$ , ogf]  
 A144301 30.1372  $-1+(1-2x)*f(x)^2$  lgdegf  
 A144312 12.9660 [  $-5x*(2x+3)/(x-1)^3$  ogf]  
 A144312 32.7763  $-(11+4x)/(2x+3)/(x-1)$  lgdogf  
 A144312 6.76987 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n)$ ,  $a(0) = 0, a(1) = 15, a(2) =$   
 $55\}$ , ogf]  
 A144314 12.8798 [  $-3x*(5x+7)/(x-1)^3$  ogf]  
 A144314 29.9537  $-2*(13+5x)/(5x+7)/(x-1)$  lgdogf  
 A144314 6.72486 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n)$ ,  $a(0) = 0, a(1) = 21, a(2) =$   
 $78\}$ , ogf]  
 A144335 13.6746  $-(3+4x+x^4-2x^3+9x^2)/(x-1)/(x^4-3x^3+6x^2-2x+1)$  lgdogf  
 A144335 7.92612 [  $-(x^4-3x^3+6x^2-2x+1)/(x-1)^5$  ogf]  
 A144345 12.1173  $-1/6*((4x+1)^{(1/2)}*x+(4x+1)^{(1/2)}-1-3x-2x^3)/x^3$  revegef  
 A144345 4.39495 [  $\{(-9n^2-45n-56)*a(n+1)+(6n+18)*a(n+2)-a(n+3)$ ,  $a(0) = 1, a(1)$   
 $= 6, a(2) = 52\}$ , ogf]  
 A144346 4.63623 [  $\{(-9n^2-63n-110)*a(n+1)+(6n+24)*a(n+2)-a(n+3)$ ,  $a(0) = 1,$   
 $a(1) = 12, a(2) = 160\}$ , ogf]  
 A144347 4.32438 [  $\{(-25n^2-135n-182)*a(n+1)+(10n+32)*a(n+2)-a(n+3)$ ,  $a(0) = 1,$   
 $a(1) = 12, a(2) = 192\}$ , ogf]  
 A144349 4.52941 [  $\{(-36n^2-198n-272)*a(n+1)+(12n+39)*a(n+2)-a(n+3)$ ,  $a(0) = 1,$   
 $a(1) = 15, a(2) = 295\}$ , ogf]  
 A144390 13.4440 [  $(x^2-6x-1)/(x-1)^3$  ogf]  
 A144390 25.1463  $-(-9-10x+x^2)/(x-1)/(x^2-6x-1)$  lgdogf  
 A144390 7.25736 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n)$ ,  $a(0) = 1, a(1) = 9, a(2) = 23\}$ ,  
 ogf]  
 A144391 13.5071 [  $(x^2-4x-3)/(x-1)^3$  ogf]  
 A144391 25.2666  $-(-13-6x+x^2)/(x-1)/(x^2-4x-3)$  lgdogf  
 A144391 7.22747 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n)$ ,  $a(0) = 3, a(1) = 13, a(2) =$   
 $29\}$ , ogf]  
 A144396 10.9340 [  $\{-a(n+2)+2a(n+1)-a(n)$ ,  $a(0) = 3, a(1) = 5\}$ , ogf]

A144396 19.9241 [  $-(x-3)/(x-1)^2$  ogf]  
A144396 26.6614  $-1/2*(-3-2*x+(9+8*x)^{(1/2)})/(1+x)$  revogf  
A144396 48.8792  $-(x-5)/(x-1)/(x-3)$  lgdogf  
A144408 6.06609 [  $-x*(6*x^7-5*x^6+8*x^5+6*x^4-8*x^3+4*x^2+4*x+1)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)/(x^4-x^2+1)$  ogf]  
A144410 18.4816 [  $-8*(x^2+7*x+1)/(x-1)^3$  ogf]  
A144410 35.3142  $-(10+16*x+x^2)/(x-1)/(x^2+7*x+1)$  lgdogf  
A144410 9.96400 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 8, a(1) = 80, a(2) = 224\}$ , ogf]  
A144412 22.7379  $(-1-4*x+16*x^3)/(x-1)/(4*x^3+4*x^2+2*x+1)$  lgdogf  
A144412 5.86392 [  $\{a(n+5), a(0) = 2, a(1) = 2, a(2) = 4, a(3) = 0, a(4) = -8\}$ , ogf]  
A144413 12.2097  $-(-1-4*x+4*x^3-x^2)/(2*x+1)/(x^3-2*x^2-3*x-1)$  lgdogf  
A144413 4.57866 [  $\{-a(n+3)-3*a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = -1\}$ , ogf]  
A144413 8.91633 [  $-x*(2*x+1)/(x^3-2*x^2-3*x-1)$  ogf]  
A144414 11.8320 [  $-(2*x+1)/(4*x-1)/(x-1)^2$  ogf]  
A144414 15.3639  $-2*(-4+5*x+8*x^2)/(x-1)/(2*x+1)/(-1+4*x)$  lgdogf  
A144414 5.54954 [  $\{a(n+3)-6*a(n+2)+9*a(n+1)-4*a(n), a(0) = 1, a(1) = 8, a(2) = 39\}$ , ogf]  
A144429 10.1537  $(-2-4*x-2*x^6-13*x^4-8*x^3-6*x^2-3*x^5+2*x^7)/(x-1)/(x+1)/(x^2+x+1)/(2*x^4-x^3+x^2+1)$  lgdogf  
A144429 11.4263 [  $(x+1)*(2*x^4-x^3+x^2+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A144430 10.2523  $(-3-5*x-2*x^6-12*x^4-7*x^3-7*x^2-2*x^5+2*x^7)/(x-1)/(x^2+x+1)/(2*x^5+x^4-x^3+x^2+x+2)$  lgdogf  
A144430 10.4495 [  $(2*x^5+x^4-x^3+x^2+x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A144433 15.6723 [  $-(x^3-3*x-8)/(x-1)^2/(x+1)^2$  ogf]  
A144433 19.4805  $-(-3-32*x+x^4-6*x^2)/(x-1)/(x+1)/(-8+x^3-3*x)$  lgdogf  
A144433 7.63521 [  $\{(-n-5)*a(n+1)+(n+3)*a(n+3), a(0) = 8, a(1) = 3, a(2) = 16\}$ , ogf]  
A144437 10.2567 [  $\{a(n+3)-a(n), a(0) = 3, a(1) = 3, a(2) = 1\}$ , ogf]  
A144437 11.7608  $-(3+2*x+x^4+6*x^3+9*x^2)/(x-1)/(x^2+x+1)/(x^2+3*x+3)$  lgdogf  
A144437 15.9084 [  $-(x^2+3*x+3)/(x-1)/(x^2+x+1)$  ogf]  
A144449 12.9403 [  $8*(x^2-8*x-2)/(x-1)^3$  ogf]  
A144449 24.2572  $-(-14-14*x+x^2)/(x-1)/(x^2-8*x-2)$  lgdogf  
A144449 6.96788 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 16, a(1) = 112, a(2) = 280\}$ , ogf]  
A144459 13.9771 [  $-(8*x^2+21*x+1)/(x-1)^3$  ogf]  
A144459 21.8319  $-2*(12+29*x+4*x^2)/(x-1)/(8*x^2+21*x+1)$  lgdogf  
A144459 7.60158 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 24, a(2) = 77\}$ , ogf]  
A144465 3.51291 [  $(600814816032928*x^{18}-343322752018816*x^{17}+225*x^2-135*x+45)/(1974105824108192*x^{18}-343322752018816*x^{17}+450*x^2-315*x+45)$  ogf]  
A144468 8.27848 [  $-x*(3*x^8+6*x^7+9*x^6+2*x^5+5*x^4+8*x^3+x^2+4*x+7)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A144471 11.0976 [  $(9*x^3+7*x^2+6*x+1)/(x^2+x+1)/(2*x+1)$  ogf]  
A144471 12.2378  $(3+8*x+13*x^4+30*x^3+24*x^2)/(2*x+1)/(x^2+x+1)/(9*x^3+7*x^2+6*x+1)$  lgdogf  
A144471 5.75741 [  $\{-a(n+4)-3*a(n+3)-3*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 3, a(2) = -5, a(3) = 13\}$ , ogf]  
A144472 14.4478 [  $-(9*x^2+3*x-1)/(x+1)/(2*x-1)$  ogf]  
A144472 17.1647  $(-2-14*x+3*x^2)/(-1+2*x)/(x+1)/(9*x^2+3*x-1)$  lgdogf  
A144472 7.50722 [  $\{-a(n+3)+a(n+2)+2*a(n+1), a(0) = -1, a(1) = 2, a(2) = 9\}$ , ogf]  
A144476 4.25610 [  $-(2*x^7-3*x^6+3*x^5+3*x^4-3*x^3+x^2-x-1)/(x^8-x^4+1)$  ogf]  
A144478 4.50369 [  $-(8*x^8+3*x^7+4*x^6+2*x^5+6*x^4+7*x^3+5*x^2+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A144479 14.3795  $-1/2*(-1-8*x+(1-4*x+60*x^2)^{(1/2)})/(5+x)$  revogf  
A144479 16.1421 [  $-(5*x-1)/(x^2-8*x+1)$  ogf]  
A144479 16.9171  $-(3-2*x+5*x^2)/(5*x-1)/(x^2-8*x+1)$  lgdogf  
A144479 8.85846 [  $\{a(n+2)-8*a(n+1)+a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A144483 4.64599 [  $-(3*x^8+3*x^7+5*x^6+6*x^4+5*x^3+6*x^2+5)/(x-1)/(x^2+x+1)/$

$(x^6+x^3+1)$  ogf]  
A144485 10.0502 [2\*hypergeom([4/3, 5/3],[3/2],27/4\*x) ogf]  
A144485 4.86806 [ {(27\*n^2+135\*n+168)\*a(n+1)+(-4\*n^2-18\*n-20)\*a(n+2)}, a(0) = 2, a(1) = 20}, ogf]  
A144495 3.12535 [ {(n^2+5\*n+6)\*a(n+1)+(n^2+8\*n+15)\*a(n+2)+(-2\*n^2-21\*n-52)\*a(n+3)+(2\*n+8)\*a(n+4)}, a(0) = 2, a(1) = 7, a(2) = 30, a(3) = 155}, ogf]  
A144495 30.1805 (7-5\*x+x^2)/(x-1)/(x-2) lgdegf  
A144496 18.8416 (-37+30\*x+x^3-9\*x^2)/(x-1)/(7-5\*x+x^2) lgdegf  
A144497 12.7768 (266-229\*x+x^4-14\*x^3+81\*x^2)/(x-1)/(-37+30\*x+x^3-9\*x^2) lgdegf  
A144497 4.15587 [ {(n+2)\*a(n+1)-a(n+2)+(-n-10)\*a(n+3)+a(n+4)}, a(0) = 37, a(1) = 266, a(2) = 2165, a(3) = 19714}, ogf]  
A144498 10.7757 (-4\*x^2-8\*x+2+(-(2\*x+3)^2\*(-1+2\*x)^3)^(1/2))/(4\*x^2+2\*x-1)/(-1+2\*x) lgdegf  
A144498 3.35139 [ {(-3-n)\*a(n+1)+(-2\*n^2-12\*n-21)\*a(n+2)+(-2\*n^2-16\*n-35)\*a(n+3)+(n+4)\*a(n+4)}, a(0) = 1, a(1) = 5, a(2) = 30, a(3) = 229}, ogf]  
A144503 3.41615 [ {(n+2)\*a(n+1)+(2\*n^2+7\*n+7)\*a(n+2)+(-2\*n^2-9\*n-8)\*a(n+3)+(n+1)\*a(n+4)}, a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 20}, ogf]  
A144506 4.18065 [ {(2\*n^2-n)\*a(n)+(4\*n^3-12\*n^2+17\*n-9)\*a(n+1)+(-2\*n^2+7\*n-6)\*a(n+2)}, a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1}, ogf]  
A144507 3.72243 [ {(n^2-n)\*a(n)+(2\*n^3-9\*n^2+17\*n-12)\*a(n+1)+(-n^2+5\*n-6)\*a(n+2)}, a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 1}, ogf]  
A144513 3.22297 [ {(-4-n)\*a(n+1)+(-2\*n^2-14\*n-29)\*a(n+2)+(-2\*n^2-18\*n-45)\*a(n+3)+(n+4)\*a(n+4)}, a(0) = 2, a(1) = 18, a(2) = 162, a(3) = 1670}, ogf]  
A144514 3.08392 [ {(-5-n)\*a(n+1)+(-2\*n^2-16\*n-38)\*a(n+2)+(-2\*n^2-20\*n-56)\*a(n+3)+(n+4)\*a(n+4)}, a(0) = 6, a(1) = 84, a(2) = 1050, a(3) = 13980}, ogf]  
A144516 18.5025 -7\*(5+20\*x+2\*x^2)/(x-1)/(2\*x^2+17\*x+2) lgdogf  
A144516 3.49635 [ {(993\*n^2+7145\*n+7122)\*a(n+1)+(8658\*n^2+96086\*n+147490)\*a(n+2)+(-9651\*n^2-18079\*n-8428)\*a(n+3)}, a(0) = 0, a(1) = 0, a(2) = 10}, ogf]  
A144516 5.54499 [ -5\*x^2\*(2\*x^2+17\*x+2)/(x-1)^9 ogf]  
A144532 10.1879 [ {a(n+4)-a(n+2)}, a(0) = 0, a(1) = 1, a(2) = 16, a(3) = 2}, ogf]  
A144532 18.1117 [ -x\*(x^2+16\*x+1)/(x-1)/(x+1) ogf]  
A144532 24.7343 -4\*(4+x+4\*x^2)/(x-1)/(x+1)/(x^2+16\*x+1) lgdogf  
A144533 10.1872 -2\*(8+33\*x-24\*x^4-2\*x^3+272\*x^2+x^5)/(x^2+6\*x+1)/(x^2-6\*x+1)/(x^2-16\*x-1) lgdogf  
A144533 11.9555 [ -x\*(x^2-16\*x-1)/(x^2+6\*x+1)/(x^2-6\*x+1) ogf]  
A144534 11.3366 [ (x^3-17\*x^2+x+1)/(x^2+6\*x+1)/(x^2-6\*x+1) ogf]  
A144534 9.10783 [ (-1-34\*x+x^6+37\*x^4+4\*x^3-37\*x^2-34\*x^5)/(x^2-6\*x+1)/(x^2+6\*x+1)/(x^3-17\*x^2+x+1) lgdogf]  
A144535 10.7821 -2\*(3+13\*x-9\*x^4-2\*x^3+42\*x^2+x^5)/(x^2+4\*x+1)/(x^2-4\*x+1)/(x^2-6\*x-1) lgdogf  
A144535 12.3328 [ -x\*(x^2-6\*x-1)/(x^2-4\*x+1)/(x^2+4\*x+1) ogf]  
A144536 11.6853 [ (x^3-7\*x^2+x+1)/(x^2-4\*x+1)/(x^2+4\*x+1) ogf]  
A144536 9.35856 [ (-1-14\*x+x^6+17\*x^4+4\*x^3-17\*x^2-14\*x^5)/(x^2-4\*x+1)/(x^2+4\*x+1)/(x^3-7\*x^2+x+1) lgdogf]  
A144537 5.75181 [ (x^5-178\*x^4+4449\*x^3-5995\*x^2+574\*x-3)/(x-1)/(x^2-14\*x+1)/(x^2-194\*x+1) ogf]  
A144555 14.0248 [ -14\*(x+1)\*x/(x-1)^3 ogf]  
A144555 39.1565 [ [4-x] ogf\_with\_Euler\_transform]  
A144555 40.8090 -2\*(x+2)/(x-1)/(x+1) lgdogf  
A144555 7.32269 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n)}, a(0) = 0, a(1) = 14, a(2) = 56}, ogf]  
A144558 9.85455 [ -(-x^7-x^6+2\*x^5-x^4-2\*x^3-x^2+2\*x-1)/(-x^8+1) ogf\_with\_Euler\_transform]  
A144560 12.0225 [ -10\*x\*(3\*x+1)/(x-1)^3 ogf]  
A144560 31.7462 -6\*(x+1)/(3\*x+1)/(x-1) lgdogf  
A144560 6.27726 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n)}, a(0) = 0, a(1) = 10, a(2) = 60}, ogf]  
A144564 3.03924 [ {a(n+4)-101\*a(n+3)+100\*a(n+2)}, a(0) = 1, a(1) = 101, a(2) = 10101, a(3) = 1011101}, ogf]  
A144564 7.05538 [ (100\*x^2-10\*x+1)\*(10\*x+1)/(100\*x-1)/(x-1) ogf]  
A144575 21.0609 -1-9\*x^2-6\*x+(1-2\*x-3\*x^2)\*f(x)^2 lgdegf

A144576 21.5148  $1+16*x^2+8*x+(4*x^2-1+2*x)*f(x)^2$  lgdegf  
A144595 10.1415  $[-x^2*(x^8+x^6+x^3+1)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A144596 12.4422  $[-x^4*(x^4+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A144596 17.3692  $-x^3*(4+9*x^5+5*x^9)/(x-1)/(x^2+x+1)/(x^6+x^3+1)/(1+x^4)$  lgdogf  
A144596 18.4368  $[x^8-x^7+x^3$  ogf\_with\_Euler\_transform]  
A144597 10.2387  $-x^2*(3+6*x^3+10*x^7+7*x^{10}+4*x^{13})/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^6+x^3+1)$  lgdogf  
A144597 11.1534  $[-x^3*(x^6+x^3+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A144597 19.5627  $[x^9-x^8+x^2$  ogf\_with\_Euler\_transform]  
A144598 7.31337  $-x*(2+5*x^3+7*x^5+9*x^7+12*x^{10}+10*x^{12}+7*x^{15}+5*x^{17}+3*x^{19})/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x^9+x^7+x^5+x^2+1)$  lgdogf  
A144598 9.36997  $[-x^2*(x^9+x^7+x^5+x^2+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A144599 23.3718  $[x^{12}-x^{11}+x$  ogf\_with\_Euler\_transform]  
A144599 8.64307  $[-x^2*(x^2+1)*(x^2+x+1)*(x^2-x+1)*(x^4-x^2+1)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A144600 11.3155  $[-x^6*(x^2+1)*(x^4-x^2+1)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A144600 9.63047  $-x^5*(6+13*x^7+7*x^{13})/(x-1)/(x^2+1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4-x^2+1)$  lgdogf  
A144601 10.2545  $[-x^4*(x^9+x^5+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A144601 8.76286  $-x^4*(5+9*x^4+14*x^9+9*x^{14}+5*x^{18})/(x-1)/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)/(x^9+x^5+1)$  lgdogf  
A144602 7.59904  $-x^3*(4+8*x^4+11*x^7+15*x^{11}+11*x^{15}+7*x^{19}+4*x^{22})/(x-1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x^{11}+x^8+x^4+1)$  lgdogf  
A144602 9.30793  $[-x^3*(x^{11}+x^8+x^4+1)/(x-1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)$  ogf]  
A144603 17.1109  $[x^2+x^{14}*(x-1)$  ogf\_with\_Euler\_transform]  
A144603 8.57308  $[-x^3*(x^4+x^3+x^2+x+1)*(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A144604 7.93911  $[-x^2*(x^2+1)*(x^{12}+x^7-x^5+x^4+x^3-x^2+1)/(x-1)/(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A144605 7.32751  $[-x^2*(x^{15}+x^{13}+x^{10}+x^8+x^5+x^3+1)/(x-1)/(x+1)/(x^2+x+1)/(x^6+x^3+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A144606 6.93531  $[-x^2*(x^{16}+x^{14}+x^{12}+x^9+x^7+x^5+x^2+1)/(x-1)/(x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A144607 6.49877  $[-x^2*(x^{17}+x^{15}+x^{13}+x^{11}+x^9+x^6+x^4+x^2+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A144608 23.6714  $[x^{20}-x^{19}+x$  ogf\_with\_Euler\_transform]  
A144615 20.0168  $[-(4*x-2)/(x^2+x+1)$  ogf\_with\_Euler\_transform]  
A144619 18.0389  $[(11*x+8)/(x-1)^2$  ogf]  
A144619 9.46406  $(27+11*x-420*x^{13}-1260*x^{15}+420*x^{16}+1260*x^{14})/(x-1)/(30*x^{16}-60*x^{15}+30*x^{14}-11*x-8)$  lgdogf  
A144619 9.99748  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 8, a(1) = 27}]$ , ogf]  
A144635 27.7785  $-(-7+30*x)/(5*x-1)/(-1+4*x)$  lgdogf  
A144635 4.95281  $[{(-n-3)*a(n+3)+(25+9*n)*a(n+2)+(-50-20*n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 41}]$ , ogf]  
A144636 33.8479  $1/6*x*(6+3*x+x^2)$  revegf  
A144637 4.19899  $[{(-54*n^3+9*n^2+33*n-10)*a(n)+(-72*n^2-24*n+21)*a(n+1)+(-30*n+5)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 1}]$ , ogf]  
A144638 4.60144  $[{(-9*n^2-18*n-5)*a(n+1)+(-12*n-18)*a(n+2)-5*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1}]$ , ogf]  
A144640 11.6251  $[-(2*x+1)*(x-3)/(x-1)^4$  ogf]  
A144640 21.2778  $-(-17-11*x+4*x^2)/(x-1)/(2*x+1)/(x-3)$  lgdogf  
A144640 3.95138  $[{(-3*n-12)*a(n+4)+(11-2*n)*a(n+3)+(25+7*n)*a(n+2)+(-2*n-6)*a(n+1), a(0) = 3, a(1) = 17, a(2) = 48, a(3) = 102}]$ , ogf]  
A144647 3.37210  $[{-a(n+1)+(-2*n-2)*a(n+2)+(2*n+10)*a(n+3)-a(n+4), a(0) = 1, a(1)$

= 4, a(2) = 25, a(3) = 199}, ogf]  
 A144656 3.24758 [ {(n+2)\*a(n+1)+(-n^3-4\*n^2-6\*n-3)\*a(n+2)+(-n^3-5\*n^2-9\*n-6)\*a(n+3)+(n+1)\*a(n+4), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 1}, ogf]  
 A144659 4.00516 [ {(n^2+7\*n+12)\*a(n+1)+(2\*n^3+15\*n^2+41\*n+40)\*a(n+2)+(-n^2-3\*n-2)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 3}, ogf]  
 A144677 10.8343 [ 1/(x^2+x+1)^2/(x-1)^4 ogf]  
 A144677 14.8555 36+144\*x^2+36\*x+(-16+18\*x^3+8\*x^2+2\*x)\*f(x)+(x^3-1)\*f(x)^2 lgdogf  
 A144677 34.9386 [[2\*x^2+2] ogf\_with\_Euler\_transform]  
 A144677 5.35107 [ {(-n-4)\*a(n+4)+2\*a(n+3)+2\*a(n+2)+(9+n)\*a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 6}, ogf]  
 A144678 10.5070 [ 1/(x+1)^2/(x^2+1)^2/(x-1)^4 ogf]  
 A144678 19.6639 -a(n+4)+a(n), a(0)=2, a(1)=2, a(2)=2, a(3)=10 lgdogf  
 A144678 34.3052 [[2\*x^3+2] ogf\_with\_Euler\_transform]  
 A144679 10.6345 [ 1/(x^4+x^3+x^2+x+1)^2/(x-1)^4 ogf]  
 A144679 19.0664 -2\*(1+x+x^2+x^3+6\*x^4)/(x-1)/(x^4+x^3+x^2+x+1) lgdogf  
 A144679 35.5788 [[2\*x^4+2] ogf\_with\_Euler\_transform]  
 A144689 6.75786 [ -(2\*x^19+x^18+x^15-2\*x^14-x^13+5\*x^9-3\*x^8+2\*x^7-3\*x^3-x^2+5\*x+1)/(x-1)/(x^2+1)/(x^4-x^2+1)/(x^12-x^6+1) ogf]  
 A144701 5.28968 [ -(x-1)\*(x+1)\*(x^2-5\*x+1)/(x^2+x+1)^4 ogf]  
 A144701 9.78612 [ -(9+7\*x+50\*x^2-9\*x^3-25\*x^4+4\*x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-5\*x+1) lgdogf]  
 A144704 10.7719 [ -(12\*x-1)/(4\*x-1)^2 ogf]  
 A144704 15.3115 -1/8\*(-1-8\*x+(1-32\*x)^(1/2))/(3+4\*x) revogf  
 A144704 6.09973 [ {-a(n+2)+8\*a(n+1)-16\*a(n), a(0) = 1, a(1) = -4}, ogf]  
 A144706 12.9051 -6\*(3+2\*(-4\*x+1)^(1/2))/(16\*x+5)/(4\*x-1) lgdogf  
 A144706 5.50592 [ {(-4\*n-2)\*a(n+1)+(n+1)\*a(n+1), a(0) = 1, a(1) = 6}, ogf]  
 A144707 8.01025 [ -(-1-2\*x+2\*x^6-10\*x^2+4\*x^3+13\*x^4+6\*x^5)/(x-1)/(x+1)/(x^2+x-1)/(2\*x^4+4\*x^3-x^2+1) lgdogf]  
 A144707 9.83496 [ (2\*x^4+4\*x^3-x^2+1)/(x-1)/(x+1)/(x^2+x-1) ogf]  
 A144708 11.8391 [ -(30\*x-1)/(6\*x-1)^2 ogf]  
 A144708 15.6282 -1/12\*(-12\*x-1+(-96\*x+1)^(1/2))/(5+6\*x) revogf  
 A144708 21.0172 -18\*(1+10\*x)/(30\*x-1)/(6\*x-1) lgdogf  
 A144708 6.68561 [ {-a(n+2)+12\*a(n+1)-36\*a(n), a(0) = 1, a(1) = -18}, ogf]  
 A144720 13.7716 [ -(5\*x-2)/(x^2-4\*x+1) ogf]  
 A144720 17.3431 [ -(3-4\*x+5\*x^2)/(-2+5\*x)/(x^2-4\*x+1) lgdogf]  
 A144720 18.3942 [ -(1-2\*x+(1-x+3\*x^2)^(1/2))/(5+x) revogf]  
 A144720 7.55756 [ {a(n+2)-4\*a(n+1)+a(n), a(0) = 2, a(1) = 3}, ogf]  
 A144721 16.6525 [ -(3\*x-2)/(x^2-4\*x+1) ogf]  
 A144721 18.2271 [ -(5-4\*x+3\*x^2)/(3\*x-2)/(x^2-4\*x+1) lgdogf]  
 A144721 18.7794 [ -(1-2\*x+(1+x+3\*x^2)^(1/2))/(3+x) revogf]  
 A144721 9.13857 [ {a(n+2)-4\*a(n+1)+a(n), a(0) = 2, a(1) = 5}, ogf]  
 A144739 12.4767 -1/7\*(1-4\*x)^(3/4)+4/7\*(1-4\*x)^(3/4)\*x+1/7 revegf  
 A144739 34.9346 -3+(1-7\*x)\*f(x) lgdegf  
 A144739 6.01247 [ {(-7\*n-10)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 3}, ogf]  
 A144750 7.81901 [ -(8\*x^7+4\*x^6-3\*x^5-8\*x^4-7\*x^3+6\*x^2+8\*x+1)/(x-1)/(x+1)/(x^6-x^3+1) ogf]  
 A144751 5.22552 [ - (4\*x^11-12\*x^10-8\*x^9-24\*x^8-56\*x^7-72\*x^6-43\*x^5-39\*x^4-19\*x^3-15\*x^2-7\*x-3)/(x-1)/(x+1)/(2\*x^3-1)/(2\*x^3+1)/(x^2+x+1)/(x^2-x+1) ogf]  
 A144756 11.6654 9+(-6+48\*x)\*f(x)+(64\*x^2+1-16\*x)\*f(x)^2 lgdegf  
 A144756 5.26397 [ {(-8\*n-11)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 3}, ogf]  
 A144758 11.2191 -1/9\*(1-6\*x)^(1/2)+2/3\*(1-6\*x)^(1/2)\*x+1/9 revegf  
 A144758 47.1201 -3/(9\*x-1) lgdegf  
 A144758 5.41610 [ {(-9\*n-12)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 3}, ogf]  
 A144772 10.7032 -1/9\*(1-8\*x)^(1/8)+8/9\*(1-8\*x)^(1/8)\*x+1/9 revegf  
 A144772 29.9691 -1+(1-9\*x)\*f(x) lgdegf  
 A144772 5.17267 [ {(-9\*n-10)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 1}, ogf]  
 A144773 10.0499 -1/10\*(1-9\*x)^(1/9)+9/10\*(1-9\*x)^(1/9)\*x+1/10 revegf  
 A144773 28.2653 -1+(1-10\*x)\*f(x) lgdegf  
 A144773 5.14530 [ {(-10\*n-11)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 1}, ogf]

A144796 7.13608 [  $-(23x^3+1253x^2-215x-5)/(x^2-34x+1)/(x^2+34x+1)$  ogf]  
A144797 11.8257 [  $2*(x+1)*(x^2+x+1)/(x^2+2x-1)/(x^2-2x-1)$  ogf]  
A144827 11.4415  $16+(-8+56x)*f(x)+(49x^2+1-14x)*f(x)^2$  lgdegf  
A144827 5.26397 [  $\{(-7n-11)*a(n+1)+a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A144828 49.4025  $-4/(-1+8x)$  lgdegf  
A144828 49.4025  $-x*(-1+2x)$  revdegf  
A144828 6.23054 [  $\{(-8n-12)*a(n+1)+a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A144829 10.0944  $16+(-8+72x)*f(x)+(81x^2+1-18x)*f(x)^2$  lgdegf  
A144829 7.57645 [  $\{(-9n-13)*a(n+1)+a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A144843 4.32844 [  $\{a(n+3)-52a(n+2)+624a(n+1)-1728a(n), a(0) = 1, a(1) = 64, a(2) = 2704\}$ , ogf]  
A144843 7.95750  $-32*(2-39x-72x^2+1296x^3)/(-1+36x)/(12x+1)/(12x-1)/(-1+4x)$  lgdogf  
A144843 8.80117 [  $-(12x+1)/(36x-1)/(12x-1)/(4x-1)$  ogf]  
A144844 11.1197 [  $-x*(2x+1)/(2x-1)/(4x^2-12x+1)$  ogf]  
A144844 12.2090  $-8*(2-7x+4x^3-4x^2)/(2x+1)/(2x-1)/(4x^2-12x+1)$  lgdogf  
A144844 5.75496 [  $\{a(n+3)-14a(n+2)+28a(n+1)-8a(n), a(0) = 0, a(1) = 1, a(2) = 16\}$ , ogf]  
A144855 7.69485  $1778x^6$  lgdogf  
A144863 6.55097  $-(1000x+111)*(1000x-91)/(-1+x)/(100x+1)/(10000x-1)$  lgdogf  
A144864 16.5721  $-1/8*(-1-17x+(5x+1)*(45x+1))^{(1/2)}/(4x-1)$  revogf  
A144864 16.8271 [  $(4x+1)/(16x-1)/(x-1)$  ogf]  
A144864 19.4722  $-(8x+7)*(8x-3)/(x-1)/(4x+1)/(-1+16x)$  lgdogf  
A144864 9.30439 [  $\{-a(n+2)+17a(n+1)-16a(n), a(0) = 1, a(1) = 21\}$ , ogf]  
A144874 18.7277 [  $-(x^2+x-2)/(x+1)$  ogf\_with\_Euler\_transform]  
A144897 12.1333  $-(4-12x+15x^2-16x^3+15x^4)/(-6x^2-1+4x-4x^4+5x^3+3x^5)$  lgdogf  
A144897 12.7060 [  $-x/(3x^5-4x^4+5x^3-6x^2+4x-1)$  ogf]  
A144898 10.5920 [  $-x/(x^3+x-1)/(x-1)^4$  ogf]  
A144898 21.1776  $-(-5+5x+7x^3-3x^2)/(x-1)/(x^3+x-1)$  lgdogf  
A144899 21.5011  $-(-6+6x+8x^3-3x^2)/(x-1)/(x^3+x-1)$  lgdogf  
A144899 9.37549 [  $x/(x^3+x-1)/(x-1)^5$  ogf]  
A144900 21.7165  $-(-7+7x+9x^3-3x^2)/(x-1)/(x^3+x-1)$  lgdogf  
A144900 8.57026 [  $-x/(x^3+x-1)/(x-1)^6$  ogf]  
A144901 20.0589  $-(-8+8x+10x^3-3x^2)/(x-1)/(x^3+x-1)$  lgdogf  
A144901 7.35932 [  $x/(x^3+x-1)/(x-1)^7$  ogf]  
A144902 19.9736  $-(-9+9x+11x^3-3x^2)/(x-1)/(x^3+x-1)$  lgdogf  
A144902 6.46550 [  $-x/(x^3+x-1)/(x-1)^8$  ogf]  
A144905 3.49199 [  $\{(n^3+n^2)*a(n)+(3n^3+11n^2+14n+6)*a(n+1)+(2n^3+15n^2+36n+30)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
A144916 10.4417 [  $(3x^4-5x^3-7x^2+5x-4)/(x-1)^3$  ogf]  
A144916 13.3678  $(7+4x+3x^4-12x^3+22x^2)/(x-1)/(3x^4-5x^3-7x^2+5x-4)$  lgdogf  
A144917 13.9187 [  $(x+1)*(2x^2+1)/(x-1)^2$  ogf]  
A144917 19.8302  $(-3-5x+2x^3-6x^2)/(x-1)/(x+1)/(2x^2+1)$  lgdogf  
A144917 7.38296 [  $\{a(n+4)-2a(n+3)+a(n+2), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 13\}$ , ogf]  
A144927 4.80990 [  $\{-a(n+3)+111a(n+2)-111a(n+1)+a(n), a(0) = 7, a(1) = 1162, a(2) = 128191\}$ , ogf]  
A144927 8.77100 [  $7*(2x^2-55x-1)/(x-1)/(x^2-110x+1)$  ogf]  
A144928 12.5490 [  $-49*(x-1)/(x^2-110x+1)$  ogf]  
A144928 5.86935  $-(-53441+98x+48051x^2)/(48051x+49)/(x^2-110x+1)$  lgdogf  
A144928 6.98751 [  $\{a(n+2)-110a(n+1)+a(n), a(0) = 49, a(1) = 5341\}$ , ogf]  
A144929 11.5525 [  $(2x^2-55x-1)/(x-1)/(x^2-110x+1)$  ogf]  
A144929 6.24969 [  $\{-a(n+3)+111a(n+2)-111a(n+1)+a(n), a(0) = 1, a(1) = 166, a(2) = 18313\}$ , ogf]  
A144930 14.0012 [  $-(x-1)/(x^2-110x+1)$  ogf]  
A144930 7.17092  $-(-109-2x+x^2)/(-1+x)/(x^2-110x+1)$  lgdogf  
A144930 7.65181 [  $\{a(n+2)-110a(n+1)+a(n), a(0) = 1, a(1) = 109\}$ , ogf]  
A144941 5.57184 [  $-(4x^4+205x^3-437x^2+35x+1)/(x-1)/(x^2-34x+1)/(x^2+34x+1)$  ogf]

A144942 6.54472 [  $x*(3*x^3+145*x^2-507*x-25)/(x-1)/(x^2-34*x+1)/(x^2+34*x+1)$  ogf]  
A144945 12.4547 [  $2*x*(2*x+3)/(x-1)^4$  ogf]  
A144945 31.9367  $-2*(7+3*x)/(2*x+3)/(-1+x)$  lgdogf  
A144945 5.36131 [  $\{(6+3*n)*a(n+3)+(-15-n)*a(n+2)+(-6-2*n)*a(n+1), a(0) = 0, a(1) = 6, a(2) = 28\}$ , ogf]  
A144965 18.2647  $-2*(17+26*x+5*x^2)/(x-1)/(5*x^2+14*x+5)$  lgdogf  
A144965 3.54365 [  $\{(15+5*n)*a(n+4)+(-16+9*n)*a(n+3)+(-61-9*n)*a(n+2)+(-10-5*n)*a(n+1), a(0) = 0, a(1) = 20, a(2) = 136, a(3) = 444\}$ , ogf]  
A144965 9.51189 [  $4*x*(5*x^2+14*x+5)/(x-1)^4$  ogf]  
A144969 6.97320  $-(127+4272*x+29172*x^2+58832*x^3+36972*x^4+5760*x^5)/(x-1)/(720*x^5+3708*x^4+4400*x^3+1452*x^2+114*x+1)$  lgdogf  
A145011 10.0005 [  $-2*(x^7+3*x^6+2*x^5+x^4+2*x^3+x^2+2*x+3)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A145018 10.3615 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 4, a(1) = 5, a(2) = 7\}$ , ogf]  
A145018 19.0244 [  $-(4*x^2-7*x+4)/(x-1)^3$  ogf]  
A145018 33.6375  $-(5-6*x+4*x^2)/(x-1)/(4*x^2-7*x+4)$  lgdogf  
A145020 3.11103 [  $\{a(n+3)-154*a(n+2)+6468*a(n+1)-74088*a(n), a(0) = 1, a(1) = 196, a(2) = 23716\}$ , ogf]  
A145020 5.66413  $-196*(1-66*x+31752*x^3-252*x^2)/(42*x+1)/(42*x-1)/(1764*x^2-112*x+1)$  lgdogf  
A145020 6.27144 [  $-(42*x+1)/(42*x-1)/(1764*x^2-112*x+1)$  ogf]  
A145021 8.93864 [  $-(2*x^7+3*x^6+4*x^5+7*x^4+15*x^3+16*x^2+10*x+4)/(x-1)/(x+1)$  ogf]  
A145027 11.2920 [  $(x+1)*(x-2)/(x^3+x^2+x-1)$  ogf]  
A145027 13.2319  $-(-3-2*x+x^4-2*x^3-8*x^2)/(x-2)/(x+1)/(x^3+x^2+x-1)$  lgdogf  
A145027 6.15011 [  $\{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 2, a(1) = 3, a(2) = 4\}$ , ogf]  
A145028 10.0403  $-(-2-2*x+2*x^6-10*x^3-5*x^4+2*x^2)/(x-1)/(2*x^2+2*x+1)/(x^4+x^3+x^2+x-1)$  lgdogf  
A145028 10.6813 [  $(x-1)*(2*x^2+2*x+1)/(x^4+x^3+x^2+x-1)$  ogf]  
A145029 7.72798  $-(-2-2*x+5*x^8+4*x^7-3*x^6-25*x^4-14*x^5+10*x^3+2*x^2)/(5*x^4+2*x^3-x-1)/(x^5+x^4+x^3+x^2+x-1)$  lgdogf  
A145029 8.71219 [  $(5*x^4+2*x^3-x-1)/(x^5+x^4+x^3+x^2+x-1)$  ogf]  
A145030 7.04362  $-(-2-2*x+2*x^2+10*x^3-25*x^4-20*x^5-8*x^6+4*x^7+11*x^8+10*x^9)/(x^6+x^5+x^4+x^3+x^2+x-1)/(5*x^4+2*x^3-x-1)$  lgdogf  
A145030 7.80711 [  $x*(5*x^4+2*x^3-x-1)/(x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A145051 16.0081 [  $-(x^3-3*x-1)/(x-1)^2/(x+1)^2$  ogf]  
A145051 20.3465  $-(-3-4*x+x^4-6*x^2)/(x-1)/(x+1)/(-1+x^3-3*x)$  lgdogf  
A145051 7.86606 [  $\{(-n-5)*a(n+1)+(n+3)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 2\}$ , ogf]  
A145052 4.74404 [  $-(5*x^3-4*x^2-4*x-3)/(x-1)/(3*x^3-1)$  ogf]  
A145063 13.4523  $-(-1-6*x+x^6+x^4-x^2)/(1+x^2)/(x^2+x+1)/(x^3-x^2+2*x-1)$  lgdogf  
A145063 8.80610 [  $-(x^2+x+1)*(x^3-x^2+2*x-1)/(x^2+1)^3$  ogf]  
A145064 11.8792  $-(-1-11*x^4-8*x-15*x^2+x^7-3*x^5-5*x^3)/(x-1)/(x^2+x+1)/(x^5-x^3-4*x^2-x-2)$  lgdogf  
A145064 12.4405 [  $-(x^5-x^3-4*x^2-x-2)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A145064 7.09499 [  $\{(-n-6)*a(n+1)+(n+3)*a(n+4), a(0) = 2, a(1) = 1, a(2) = 4, a(3) = 5\}$ , ogf]  
A145066 11.0505 [  $(x^2-x+2)/(x-1)^4$  ogf]  
A145066 26.6976  $-(7-x+2*x^2)/(x-1)/(x^2-x+2)$  lgdogf  
A145066 3.83158 [  $\{(2*n+8)*a(n+4)+(-16-3*n)*a(n+3)+(5+2*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 2, a(1) = 7, a(2) = 17, a(3) = 34\}$ , ogf]  
A145067 10.4592 [  $-x*(2*x^2-5*x+1)/(x-1)^4$  ogf]  
A145067 210000  $-(-1-11*x+4*x^2)/(x-1)/(2*x^2-5*x+1)$  lgdogf  
A145067 3.87576 [  $\{(-3-n)*a(n+4)+(11+6*n)*a(n+3)+(-18-7*n)*a(n+2)+(4+2*n)*a(n+1), a(0) = 0, a(1) = -1, a(2) = 1, a(3) = 8\}$ , ogf]  
A145068 10.6138 [  $x*(2*x^2-3*x+3)/(x-1)^4$  ogf]  
A145068 22.4566  $-(9-5*x+4*x^2)/(x-1)/(2*x^2-3*x+3)$  lgdogf  
A145068 3.91317 [  $\{(9+3*n)*a(n+4)+(-21-6*n)*a(n+3)+(5*n+10)*a(n+2)+(-4-2*n)*a(n$

+1), a(0) = 0, a(1) = 3, a(2) = 9, a(3) = 20}, ogf]  
A145069 10.6653 [ x\*(x^2-2\*x+3)/(x-1)^4 ogf]  
A145069 23.9777 -2\*(5-2\*x+x^2)/(x-1)/(x^2-2\*x+3) lgdogf  
A145069 3.93216 [{(9+3\*n)\*a(n+4)+(-20-5\*n)\*a(n+3)+(7+3\*n)\*a(n+2)+(-2-n)\*a(n+1),  
a(0) = 0, a(1) = 3, a(2) = 10, a(3) = 23}, ogf]  
A145070 12.6891 -(-9+32\*x-34\*x^2+8\*x^3)/(x-1)/(-1+2\*x)/(2\*x^2-6\*x+3) lgdogf  
A145070 9.75997 [ (2\*x^2-6\*x+3)/(2\*x-1)/(x-1)^3 ogf]  
A145071 12.7064 [ (4\*x-3)/(2\*x-1)/(x-1)^2 ogf]  
A145071 16.4958 -2\*(4-11\*x+8\*x^2)/(x-1)/(4\*x-3)/(-1+2\*x) lgdogf  
A145071 5.95963 [{a(n+3)-4\*a(n+2)+5\*a(n+1)-2\*a(n), a(0) = 3, a(1) = 8, a(2) =  
17}, ogf]  
A145091 20.2224 2\*x\*(7+52\*x^6+133\*x^12)/(5+7\*x^2+13\*x^8+19\*x^14) lgdogf  
A145093 3.56340  
[ {(25920\*n^3+8640\*n^2-900\*n)\*a(n)+(-804\*n^3-3714\*n^2-5154\*n-2244)\*a(n  
+1)+(-2\*n^3-9\*n^2-13\*n-6)\*a(n+2), a(0) = 1, a(1) = -720}, ogf]  
A145112 11.7481 [ -(x^5-x+1)/(x^4+x^3+x^2+x-1)/(x-1)^2 ogf]  
A145112 12.2523 -(-2+2\*x+x^6+2\*x^5+x^8+x^7+x^9)/(x-1)/(x^4+x^3+x^2+x-1)/(x^5-x  
+1) lgdogf  
A145113 10.1559 -(-2+2\*x+x^7+x^8+x^9+x^11+3\*x^6+x^10)/(x-1)/  
(x^5+x^4+x^3+x^2+x-1)/(x^6-x+1) lgdogf  
A145113 11.2435 [ -(x^6-x+1)/(x^5+x^4+x^3+x^2+x-1)/(x-1)^2 ogf]  
A145114 11.3457 [ -(x^7-x+1)/(x^6+x^5+x^4+x^3+x^2+x-1)/(x-1)^2 ogf]  
A145114 9.04408 -(-2+2\*x+x^13+x^12+x^11+x^10+x^9+x^8+4\*x^7)/(x-1)/(x^7-x+1)/  
(x^6+x^5+x^4+x^3+x^2+x-1) lgdogf  
A145115 11.3968 [ -(x^2-x+1)\*(x^6+x^5-x^3-x^2+1)/(x^7+x^6+x^5+x^4+x^3+x^2+x-1)/  
(x-1)^2 ogf]  
A145116 11.2844 [ -(x^9-x+1)/(x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1)/(x-1)^2 ogf]  
A145117 10.9709 [ -(x^10-x+1)/(x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1)/(x-1)^2 ogf]  
A145120 11.9190 -(301-2\*x+x^2)/(x-1)/(x^2-302\*x+1) lgdogf  
A145120 4.66109 [{a(n+2)-302\*a(n+1)+a(n), a(0) = 38, a(1) = 11438}, ogf]  
A145120 8.44261 -(-19-151\*x+(361+5700\*x+22800\*x^2)^(1/2))/(38+x) revogf  
A145120 8.46606 [ -38\*(x-1)/(x^2-302\*x+1) ogf]  
A145121 12.4727 [ -361\*(x-1)/(x^2-302\*x+1) ogf]  
A145121 12.6242 -(301-2\*x+x^2)/(x-1)/(x^2-302\*x+1) lgdogf  
A145121 6.99020 [{a(n+2)-302\*a(n+1)+a(n), a(0) = 361, a(1) = 108661}, ogf]  
A145121 7.27498 -1/2\*(-361-302\*x+(130321+216600\*x+91200\*x^2)^(1/2))/(361+x)  
revogf  
A145122 3.30419 [ {-a(n+3)+303\*a(n+2)-303\*a(n+1)+a(n), a(0) = 38, a(1) = 14383,  
a(2) = 4346478}, ogf]  
A145122 5.99474 [ 19\*(3\*x^2-151\*x-2)/(x-1)/(x^2-302\*x+1) ogf]  
A145123 13.1554 -(301-2\*x+x^2)/(x-1)/(x^2-302\*x+1) lgdogf  
A145123 5.31655 [{a(n+2)-302\*a(n+1)+a(n), a(0) = 1, a(1) = 301}, ogf]  
A145123 9.51668 -1/2\*(-1-302\*x+(1+600\*x+91200\*x^2)^(1/2))/(1+x) revogf  
A145123 9.72815 [ -(x-1)/(x^2-302\*x+1) ogf]  
A145124 4.60857 [ {-a(n+3)+303\*a(n+2)-303\*a(n+1)+a(n), a(0) = 2, a(1) = 757, a(2)  
= 228762}, ogf]  
A145124 8.46051 [ (3\*x^2-151\*x-2)/(x-1)/(x^2-302\*x+1) ogf]  
A145126 15.9972 -(2\*x^4+6\*x^2-4\*x^3)/(x-1)/(x^4-4\*x^3+6\*x^2-3\*x+1) lgdogf  
A145126 8.57697 [ -(x^4-4\*x^3+6\*x^2-3\*x+1)/(x-1)^5 ogf]  
A145127 13.2740 -(3-3\*x-8\*x^3+2\*x^4+12\*x^2)/(x-1)/(x^4-4\*x^3+6\*x^2-3\*x+1) lgdogf  
A145127 7.41509 [ (x^4-4\*x^3+6\*x^2-3\*x+1)/(x-1)^6 ogf]  
A145128 13.8211 -(4-6\*x+3\*x^4-12\*x^3+18\*x^2)/(x-1)/(x^4-4\*x^3+6\*x^2-3\*x+1)  
lgdogf  
A145128 7.22184 [ -(x^4-4\*x^3+6\*x^2-3\*x+1)/(x-1)^7 ogf]  
A145129 13.6697 -(5-9\*x+4\*x^4-16\*x^3+24\*x^2)/(x-1)/(x^4-4\*x^3+6\*x^2-3\*x+1)  
lgdogf  
A145129 6.61528 [ (x^4-4\*x^3+6\*x^2-3\*x+1)/(x-1)^8 ogf]  
A145130 4.55978 [ -(x^8-8\*x^7+28\*x^6-56\*x^5+71\*x^4-60\*x^3+34\*x^2-11\*x+2)/(x-1)^9  
ogf]  
A145130 6.71698 -(7-20\*x+58\*x^2-76\*x^3+75\*x^4-56\*x^5+28\*x^6-8\*x^7+x^8)/(x-1)/  
(x^8-8\*x^7+28\*x^6-56\*x^5+71\*x^4-60\*x^3+34\*x^2-11\*x+2) lgdogf



A145131 12.3056 [  $-x/(x^4+x-1)/(x-1)^2$  ogf]  
A145131 21.3148  $-( -3+3*x+6*x^4-4*x^3)/(x-1)/(x^4+x-1)$  lgdogf  
A145132 12.3152 [  $x/(x^4+x-1)/(x-1)^3$  ogf]  
A145132 21.3357  $-( -4+4*x+7*x^4-4*x^3)/(x-1)/(x^4+x-1)$  lgdogf  
A145133 20.1040  $-( -5+5*x+8*x^4-4*x^3)/(x-1)/(x^4+x-1)$  lgdogf  
A145133 8.67451 [  $-x/(x^4+x-1)/(x-1)^4$  ogf]  
A145134 21.6655  $-( -6+6*x-4*x^3+9*x^4)/(x-1)/(x^4+x-1)$  lgdogf  
A145134 8.37585 [  $x/(x^4+x-1)/(x-1)^5$  ogf]  
A145135 15.3846  $-(x+1)*(10*x^3-14*x^2+14*x-7)/(x-1)/(x^4+x-1)$  lgdogf  
A145135 6.50740 [  $-x/(x^4+x-1)/(x-1)^6$  ogf]  
A145136 20.6014  $-( -8+8*x+11*x^4-4*x^3)/(x-1)/(x^4+x-1)$  lgdogf  
A145136 6.95992 [  $x/(x^4+x-1)/(x-1)^7$  ogf]  
A145137 18.5255  $-( -9+9*x-4*x^3+12*x^4)/(x-1)/(x^4+x-1)$  lgdogf  
A145137 5.62417 [  $-x/(x^4+x-1)/(x-1)^8$  ogf]  
A145139 14.5372  $-(1-x+6*x^5+4*x^3-12*x^4)/(x-1)/(2*x-1)/(x^4+x-1)$  lgdogf  
A145139 9.90279 [  $x*(x-1)^2/(2*x-1)/(x^4+x-1)$  ogf]  
A145204 14.4524 [  $-x^{20}+x^{19}+x^6-x^5-x^2+x+2$  ogf\_with\_Euler\_transform]  
A145216 20.6180  $-4*(4+7*x+x^2)/(x-1)/(x^2+4*x+1)$  lgdogf  
A145216 5.47239 [  $(x^2+4*x+1)^2/(x-1)^8$  ogf]  
A145217 13.1855  $-4*(8+33*x+x^3+18*x^2)/(x-1)/(x+1)/(x^2+10*x+1)$  lgdogf  
A145217 3.67693 [  $(x+1)^2*(x^2+10*x+1)^2/(x-1)^{10}$  ogf]  
A145218 11.1232  $-4*(16+131*x+x^4+41*x^3+171*x^2)/(-1+x)/(x^4+26*x^3+66*x^2+26*x+1)$  lgdogf  
A145219 14.2906  $-x^2*(x^3-6*x^2+11*x-8)/(-1+x)/(x^4-3*x^3+x^2+2*x-2)$  lgdegf  
A145220 3.13136 [  $\{(-n^3-7*n^2-12*n)*a(n)+(8*n^2+40*n+32)*a(n+1)+(n^3+8*n^2+8*n-8)*a(n+2)+(-n^2-3*n)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 20\}$ , ogf]  
A145221 4.76708 [  $\{(-n^2-5*n-6)*a(n+1)+(-n^2-3*n)*a(n+2)+(n+1)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A145221 94.9442  $-x/(x-1)$  lgdegf  
A145222 4.63507 [  $\{(-n^2-7*n-12)*a(n+1)+(-n^2-4*n)*a(n+2)+(n+1)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 3\}$ , ogf]  
A145222 6.07784  $-x*(5+x^2-4*x)/(-1+x)/(x^2-3*x+3)$  lgdegf  
A145223 10.3314  $-x*(-10*x^3+30-48*x+x^4+33*x^2)/(x-1)/(x-2)/(x^3-6*x^2+9*x-6)$  lgdegf  
A145223 4.43497 [  $\{(-n^2-9*n-20)*a(n+1)+(-n^2-5*n)*a(n+2)+(n+1)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 6\}$ , ogf]  
A145265 8.54030  $-2*(2-x+7*x^2+6*x^7+3*x^8-4*x^6+11*x^5-2*x^4+5*x^3)/(x-1)/(x^2+x+1)/(x^2-x+1)/(3*x^4+4*x^3-x^2+2*x+1)$  lgdogf  
A145265 8.70375 [  $(3*x^4+4*x^3-x^2+2*x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A145266 7.58920  $-(3+9*x-3*x^2+x^{11}+3*x^{10}+4*x^9-14*x^7-4*x^8+4*x^6+28*x^5+2*x^4-21*x^3)/(x-1)/(x+1)/(x^6+x^5-x^3-x^2+x+2)/(x^4-x^2+1)$  lgdogf  
A145266 7.73444 [  $(x^6+x^5-x^3-x^2+x+2)/(x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A145282 7.47154 [  $-(4*x^{15}-8*x^{14}+4*x^{13}+2*x^9-4*x^8+2*x^7+2*x^4-4*x^3+2*x^2+x-3)/(x-1)^2$  ogf]  
A145284 6.17118 [  $-(x^{15}-2*x^{14}+2*x^{13}-x^{12}-x^{10}+x^9+x^8-3*x^6+2*x^5+2*x^4-3*x^3+2*x-4)/(x-1)^2$  ogf]  
A145285 10.1511  $(8+3*x^7-15*x^8+7*x^9-15*x^5+15*x^6+5*x^4)/(x-1)/(x^9-x^8-x^7+2*x^6-x^5-x^2+2*x-5)$  lgdogf  
A145285 9.12508 [  $-(x^9-x^8-x^7+2*x^6-x^5-x^2+2*x-5)/(x-1)^2$  ogf]  
A145286 6.94372 [  $-(x^{19}-2*x^{18}+x^{17}+x^8-2*x^7+2*x^6-2*x^4+x^3-x^2+2*x-6)/(x-1)^2$  ogf]  
A145287 10.0391 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 6, a(1) = 11\}$ , ogf]  
A145287 18.5166 [  $-(x-6)/(x-1)^2$  ogf]  
A145287 30.2647  $-( -3-x+(9+5*x)^{(1/2)})/(1+x)$  revogf  
A145287 40.8573  $-( -11+x)/(x-1)/(x-6)$  lgdogf  
A145289 10.4356 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 4, a(1) = 7\}$ , ogf]  
A145289 19.0159 [  $-(x-4)/(x-1)^2$  ogf]  
A145289 31.0867  $-( -2-x+(4+3*x)^{(1/2)})/(1+x)$  revogf  
A145289 44.1758  $-( -7+x)/(x-1)/(x-4)$  lgdogf

A145301 14.5100 [  $-(6*x-1)/(30*x^2-12*x+1)$  ogf]  
A145301 15.9475  $-6*(1-10*x+30*x^2)/(6*x-1)/(30*x^2-12*x+1)$  lgdogf  
A145301 8.11871 [  $\{a(n+2)-12*a(n+1)+30*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A145302 12.1536 [  $-(7*x-1)/(42*x^2-14*x+1)$  ogf]  
A145302 13.3201  $-7*(1-12*x+42*x^2)/(7*x-1)/(42*x^2-14*x+1)$  lgdogf  
A145302 6.80025 [  $\{a(n+2)-14*a(n+1)+42*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A145303 11.3155 [  $-(8*x-1)/(56*x^2-16*x+1)$  ogf]  
A145303 12.3873  $-8*(1-14*x+56*x^2)/(8*x-1)/(56*x^2-16*x+1)$  lgdogf  
A145303 6.33129 [  $\{a(n+2)-16*a(n+1)+56*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A145322 10.2922  $-(24301-2*x+x^2)/(x-1)/(x^2-24302*x+1)$  lgdogf  
A145322 6.86149  $-1/2*(-7-24302*x+(49+340200*x+590587200*x^2)^{(1/2)})/(7+x)$  revogf  
A145365 3.59961 [  $-(4*x^5-4*x^4-2*x^3+2*x+1)/(x-1)/(2*x^2-1)/(2*x^3-1)$  ogf]  
A145389 7.78218 [  $-x*(9*x^8+9*x^7+x^6+3*x^5+6*x^4+x^3+6*x^2+3*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A145404 5.65616 [  $-(x^5+12*x^4-46*x^3-4*x^2+41*x+8)/(x^6+12*x^5-47*x^4-8*x^3+47*x^2+12*x-1)$  ogf]  
A145405 4.28155 [  $-4*(2124*x^5-403*x^4-3941*x^3+2010*x^2-181*x-5)/(8496*x^6-3148*x^5-17644*x^4+10329*x^3-585*x^2-113*x+1)$  ogf]  
A145407 3.14724 [  $24*(2268414568*x^4+20934334*x^3+212212*x^2+30*x-5)/(6*x-1)/(140544*x^3+20544*x^2-344*x+1)$  ogf]  
A145409 6.13389 [  $-(x^3+21*x^2-61*x-15)/(x^4+21*x^3-62*x^2-21*x+1)$  ogf]  
A145410 6.01003 [  $-10*(1048*x^3+3046*x^2-592*x-7)/(10480*x^4+31008*x^3-7160*x^2-264*x+1)$  ogf]  
A145411 3.60216 [  $\{a(n+3)-145*a(n+2)-516*a(n+1)+288*a(n), a(0) = 60, a(1) = 12000, a(2) = 1758360\}$ , ogf]  
A145411 6.19571 [  $-60*(210*x^2-55*x-1)/(288*x^3-516*x^2-145*x+1)$  ogf]  
A145442 5.54327  $10*(1-1980*x+990000*x^2)/(1000*x-1)/(9900*x^2+990*x-1)$  lgdogf  
A145448 21.3524 [  $-1/(12*x-1)$  egf]  
A145448 5.16212 [  $\{(-12*n-24)*a(n+1)+a(n+2), a(0) = 1, a(1) = 12\}$ , ogf]  
A145453 12.0172  $(-3-3*n)*a(3+n)+(4-n)*a(n+2)+a(n+1), a(0)=0, a(1)=0, a(2)=1/2$  lgdegf  
A145454 10.1165  $-4*n*a(3+n)+(6-n)*a(n+2)+a(n+1), a(0)=0, a(1)=0, a(2)=0, a(3)=1/6$  lgdegf  
A145455 9.57979  $(3+n)*a(n+1)+(4-n^2)*a(n+2), a(0)=0, a(1)=0, a(2)=0, a(3)=0, a(4)=1/24$  lgdegf  
A145456 8.51782  $(3+n)*a(n+1)+(n+6-n^2)*a(n+2), a(0)=0, a(1)=0, a(2)=0, a(3)=0, a(4)=0, a(5)=1/120$  lgdegf  
A145457 8.37910  $(3+n)*a(n+1)+(2*n+8-n^2)*a(n+2), a(0)=0, a(1)=0, a(2)=0, a(3)=0, a(4)=0, a(5)=0, a(6)=1/720$  lgdegf  
A145458 6.98272  $(3+n)*a(n+1)+(3*n+10-n^2)*a(n+2), a(0)=0, a(1)=0, a(2)=0, a(3)=0, a(4)=0, a(5)=0, a(6)=0, a(7)=1/5040$  lgdegf  
A145459 6.66902  $(-2-n)*a(n)+(-7-6*n+n^2)*a(n+1), a(0)=0, a(1)=0, a(2)=0, a(3)=0, a(4)=0, a(5)=0, a(6)=0, a(7)=0, a(8)=1/40320$  lgdegf  
A145461 6.12797  $-2/(-1+x)$  lgdogf  
A145466 13.8366 [  $-(x^3-x^2-x-1)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A145467 17.7819 [  $-(-2*x^3-2)/(x^5+1)$  ogf\_with\_Euler\_transform]  
A145468 18.2483 [  $-(2*x^2+2*x)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A145525 10.0527 [  $-182*(x-1)/(x^2-1454*x+1)$  ogf]  
A145525 11.4490  $-(1453-2*x+x^2)/(x-1)/(x^2-1454*x+1)$  lgdogf  
A145525 5.68198 [  $\{a(n+2)-1454*a(n+1)+a(n), a(0) = 182, a(1) = 264446\}$ , ogf]  
A145525 7.77667  $-(-91-727*x+(8281+132132*x+528528*x^2)^{(1/2)})/(182+x)$  revogf  
A145526 10.4550  $-(-1455+2*x+x^2)/(x+1)/(x^2-1454*x+1)$  lgdogf  
A145526 5.48852 [  $\{-a(n+2)+1454*a(n+1)-a(n), a(0) = 11, a(1) = 16005\}$ , ogf]  
A145526 6.78658  $-1/2*(-11-1454*x+(121+32032*x+2114112*x^2)^{(1/2)})/(-11+x)$  revogf  
A145526 9.87934 [  $11*(x+1)/(x^2-1454*x+1)$  ogf]  
A145527 10.5241 [  $-8281*(x-1)/(x^2-1454*x+1)$  ogf]  
A145527 5.98213 [  $\{a(n+2)-1454*a(n+1)+a(n), a(0) = 8281, a(1) = 12032293\}$ , ogf]  
A145527 9.62026  $-(1453-2*x+x^2)/(-1+x)/(x^2-1454*x+1)$  lgdogf  
A145529 11.9069 [  $-(x-1)/(x^2-1454*x+1)$  ogf]  
A145529 6.49465 [  $\{a(n+2)-1454*a(n+1)+a(n), a(0) = 1, a(1) = 1453\}$ , ogf]  
A145529 7.08837  $-1/2*(-1-1454*x+(1+2904*x+2114112*x^2)^{(1/2)})/(1+x)$  revogf

A145529 9.77045  $-(1453-2*x+x^2)/(-1+x)/(x^2-1454*x+1)$  lgdogf  
A145530 4.63979  $[{-a(n+3)+1455*a(n+2)-1455*a(n+1)+a(n), a(0) = 5, a(1) = 8002, a(2) = 11635629}]$ , ogf]  
A145530 8.60714  $[(6*x^2-727*x-5)/(x-1)/(x^2-1454*x+1)$  ogf]  
A145542 13.5283  $[-(x^2-3*x-1)/(x^4-8*x^2+1)$  ogf]  
A145544 19.8215  $[4*x/(4*x-1)/(3*x-1)$  ogf]  
A145544 20.6545  $-1/24*(-4-7*x+(16+56*x+x^2)^{(1/2)})/x$  revogf  
A145544 27.5393  $-(-7+24*x)/(-1+4*x)/(3*x-1)$  lgdogf  
A145544 9.18559  $[{a(n+2)-7*a(n+1)+12*a(n), a(0) = 0, a(1) = 4}]$ , ogf]  
A145561 10.6462  $- (5*(-1+4*x)^{(5/4)}+(-1)^{(1/4)}-4*(-1)^{(1/4)}*x)/(-1+4*x)^{(9/4)}$  lgdegf  
A145562 4.29672  $[{(-16*n^2-108*n-182)*a(n+1)+(8*n+31)*a(n+2)-a(n+3), a(0) = 1, a(1) = 15, a(2) = 255}]$ , ogf]  
A145563 20.0423  $[4*x/(3*x-1)/(2*x-1)$  ogf]  
A145563 20.3243  $-1/12*(-4-5*x+(16+40*x+x^2)^{(1/2)})/x$  revogf  
A145563 28.1414  $-(-5+12*x)/(3*x-1)/(2*x-1)$  lgdogf  
A145563 9.15511  $[{a(n+2)-5*a(n+1)+6*a(n), a(0) = 0, a(1) = 4}]$ , ogf]  
A145568 31.4270  $[x^{10}-x^9+1$  ogf\_with\_Euler\_transform]  
A145568 8.51130  $[-x*(x+1)*(x^4+x^3+x^2+x+1)*(x^4-x^3+x^2-x+1)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A145569 10.4784  $[x*(x+1)*(x^2+x+1)*(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A145569 32.0579  $[x^6-x^5+2$  ogf\_with\_Euler\_transform]  
A145569 7.02004  $-(2+4*x+9*x^8+13*x^6+6*x^5+10*x^4+8*x^3+11*x^7+5*x^{10}+7*x^9+3*x^{11}+6*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A145593 10.1487  $[-(11*x^2+x-1)/(x-1)/(2*x+1)/(x+1)$  ogf]  
A145593 10.7522  $-(3+20*x+22*x^4+4*x^3+17*x^2)/(x-1)/(2*x+1)/(x+1)/(11*x^2+x-1)$  lgdogf  
A145593 5.61805  $[{-a(n+3)-2*a(n+2)+a(n+1)+2*a(n), a(0) = -1, a(1) = 3, a(2) = 4}]$ , ogf]  
A145600 3.35716  $[{(16*n^3+128*n^2+340*n+300)*a(n+1)+(-n^3-10*n^2-32*n-32)*a(n+2), a(0) = 1, a(1) = 8}]$ , ogf]  
A145607 10.4062  $[x*(x-4)/(x-1)/(x^2-8*x+1)$  ogf]  
A145607 12.1702  $-(-35+72*x+2*x^3-21*x^2)/(x-1)/(x-4)/(x^2-8*x+1)$  lgdogf  
A145607 5.29603  $[{-a(n+3)+9*a(n+2)-9*a(n+1)+a(n), a(0) = 0, a(1) = 4, a(2) = 35}]$ , ogf]  
A145608 17.8374  $[-3*x/(x-1)/(x^2-8*x+1)$  ogf]  
A145608 24.7900  $-3*(3-6*x+x^2)/(x-1)/(x^2-8*x+1)$  lgdogf  
A145608 7.16683  $[{a(n+3)-9*a(n+2)+9*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 27}]$ , ogf]  
A145641 9.73445  $[(40*x^2-24*x+5)/(x-1)/(8*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A145644 11.2552  $[{a(n+3)-a(n), a(0) = 1, a(1) = 10, a(2) = 100}]$ , ogf]  
A145644 13.4189  $-(10+200*x+100*x^4+20*x^3+3*x^2)/(x-1)/(x^2+x+1)/(100*x^2+10*x+1)$  lgdogf  
A145644 17.0993  $[-(100*x^2+10*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A145654 14.8141  $[-2*x/(2*x-1)/(x-1)^2$  ogf]  
A145654 26.2573  $-2*(3*x-2)/(-1+2*x)/(x-1)$  lgdogf  
A145654 6.00572  $[{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 0, a(1) = 2, a(2) = 8}]$ , ogf]  
A145655 14.6259  $[-4/(4*x-1)/(x-1)^2$  ogf]  
A145655 23.4919  $-6*(2*x-1)/(-1+4*x)/(x-1)$  lgdogf  
A145655 5.21445  $[{a(n+3)-6*a(n+2)+9*a(n+1)-4*a(n), a(0) = 4, a(1) = 24, a(2) = 108}]$ , ogf]  
A145678 10.8698  $[21*(x^2-23*x-20)/(x-1)^3$  ogf]  
A145678 20.1013  $-(-83-44*x+x^2)/(x-1)/(x^2-23*x-20)$  lgdogf  
A145678 5.97840  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 420, a(1) = 1743, a(2) = 3948}]$ , ogf]  
A145693 12.2259  $[-14*(x-1)/(x^2-110*x+1)$  ogf]  
A145693 6.80758  $[{a(n+2)-110*a(n+1)+a(n), a(0) = 14, a(1) = 1526}]$ , ogf]  
A145693 7.82881  $-(109-2*x+x^2)/(-1+x)/(x^2-110*x+1)$  lgdogf

A145694 12.3336 [  $5*(x+1)/(x^2-302*x+1)$  ogf]  
A145694 6.66298 [  $\{-a(n+2)+302*a(n+1)-a(n), a(0) = 5, a(1) = 1515\}$ , ogf]  
A145694 8.81563  $\frac{-(-303+2*x+x^2)}{(x+1)/(x^2-302*x+1)}$  lgdogf  
A145695 10.3288  $\frac{-(589-2*x+x^2)}{(-1+x)/(x^2-590*x+1)}$  lgdogf  
A145695 5.17300 [  $\{a(n+2)-590*a(n+1)+a(n), a(0) = 74, a(1) = 43586\}$ , ogf]  
A145695 7.23013  $\frac{-(-37-295*x+(1369+21756*x+87024*x^2)^{(1/2)})}{(74+x)}$  revogf  
A145695 9.39586 [  $-74*(x-1)/(x^2-590*x+1)$  ogf]  
A145696 11.3143 [  $7*(x+1)/(x^2-590*x+1)$  ogf]  
A145696 6.11231 [  $\{-a(n+2)+590*a(n+1)-a(n), a(0) = 7, a(1) = 4137\}$ , ogf]  
A145696 6.63688  $\frac{-1/2*(-7-590*x+(49+8288*x+348096*x^2)^{(1/2)})}{(-7+x)}$  revogf  
A145696 9.67088  $\frac{-(-591+2*x+x^2)}{(x+1)/(x^2-590*x+1)}$  lgdogf  
A145697 11.2993 [  $-1369*(x-1)/(x^2-590*x+1)$  ogf]  
A145697 11.5130  $\frac{-(589-2*x+x^2)}{(x-1)/(x^2-590*x+1)}$  lgdogf  
A145697 6.50938 [  $\{a(n+2)-590*a(n+1)+a(n), a(0) = 1369, a(1) = 806341\}$ , ogf]  
A145699 13.0430 [  $-(x-1)/(x^2-590*x+1)$  ogf]  
A145699 17.2218  $\frac{-(589-2*x+x^2)}{(-1+x)/(x^2-590*x+1)}$  lgdogf  
A145699 7.12817 [  $\{a(n+2)-590*a(n+1)+a(n), a(0) = 1, a(1) = 589\}$ , ogf]  
A145700 5.04782 [  $\{-a(n+3)+591*a(n+2)-591*a(n+1)+a(n), a(0) = 3, a(1) = 2068, a(2) = 1220411\}$ , ogf]  
A145700 9.41758 [  $(4*x^2-295*x-3)/(x-1)/(x^2-590*x+1)$  ogf]  
A145715 11.9607  $\frac{-(2029-2*x+x^2)}{(x-1)/(x^2-2030*x+1)}$  lgdogf  
A145715 7.55411  $\frac{-(-127-1015*x+(16129+257556*x+1030224*x^2)^{(1/2)})}{(254+x)}$  revogf  
A145716 10.2630 [  $13*(x+1)/(x^2-2030*x+1)$  ogf]  
A145716 10.8284  $\frac{-(-2031+2*x+x^2)}{(x+1)/(x^2-2030*x+1)}$  lgdogf  
A145716 5.70168 [  $\{-a(n+2)+2030*a(n+1)-a(n), a(0) = 13, a(1) = 26403\}$ , ogf]  
A145716 7.02896  $\frac{-1/2*(-13-2030*x+(169+52832*x+4120896*x^2)^{(1/2)})}{(-13+x)}$  revogf  
A145717 10.3758  $\frac{-(2029-2*x+x^2)}{(x-1)/(x^2-2030*x+1)}$  lgdogf  
A145717 10.6193 [  $-16129*(x-1)/(x^2-2030*x+1)$  ogf]  
A145717 6.19457 [  $\{a(n+2)-2030*a(n+1)+a(n), a(0) = 16129, a(1) = 32725741\}$ , ogf]  
A145718 4.13860 [  $\{-a(n+3)+2031*a(n+2)-2031*a(n+1)+a(n), a(0) = 762, a(1) = 1676527, a(2) = 3403477826\}$ , ogf]  
A145718 7.35146 [  $127*(7*x^2-1015*x-6)/(x-1)/(x^2-2030*x+1)$  ogf]  
A145720 4.79646 [  $\{-a(n+3)+2031*a(n+2)-2031*a(n+1)+a(n), a(0) = 6, a(1) = 13201, a(2) = 26799038\}$ , ogf]  
A145720 8.83919 [  $(7*x^2-1015*x-6)/(x-1)/(x^2-2030*x+1)$  ogf]  
A145721 10.4256  $\frac{-(2029-2*x+x^2)}{(x-1)/(x^2-2030*x+1)}$  lgdogf  
A145721 12.4245 [  $-(x-1)/(x^2-2030*x+1)$  ogf]  
A145721 6.77702 [  $\{a(n+2)-2030*a(n+1)+a(n), a(0) = 1, a(1) = 2029\}$ , ogf]  
A145721 7.35926  $\frac{-1/2*(-1-2030*x+(1+4056*x+4120896*x^2)^{(1/2)})}{(1+x)}$  revogf  
A145729 13.0665 [  $-8*x/(8*x-1)/(x-1)^2$  ogf]  
A145729 22.4125  $\frac{-2*(-5+12*x)}{(-1+8*x)/(x-1)}$  lgdogf  
A145729 5.38706 [  $\{a(n+3)-10*a(n+2)+17*a(n+1)-8*a(n), a(0) = 0, a(1) = 8, a(2) = 80\}$ , ogf]  
A145730 12.8115 [  $-4*x/(8*x-1)/(x-1)^2$  ogf]  
A145730 22.8136  $\frac{-2*(-5+12*x)}{(8*x-1)/(x-1)}$  lgdogf  
A145730 5.28195 [  $\{a(n+3)-10*a(n+2)+17*a(n+1)-8*a(n), a(0) = 0, a(1) = 4, a(2) = 40\}$ , ogf]  
A145751 10.5590 [  $\{a(n+3)-2*a(n+1), a(0) = 1, a(1) = 3, a(2) = 4\}$ , ogf]  
A145751 15.5665  $\frac{1/2*2^{(1/2)}*(-\operatorname{arcsinh}(2*2^{(1/2)})+\operatorname{arcsinh}(2^{(1/2)}*(x+2)))}{}$  revegf  
A145751 18.1011 [  $-(x+1)*(2*x+1)/(2*x^2-1)$  ogf]  
A145751 25.6390  $\frac{-4*(x+1)*(2*x+1)}{(4*x+3)/(2*x^2-1)}$  lgdogf  
A145766 14.2659 [  $-2*x/(4*x-1)/(x-1)^2$  ogf]  
A145766 25.2973  $\frac{-6*(-1+2*x)}{(4*x-1)/(x-1)}$  lgdogf  
A145766 5.73184 [  $\{a(n+3)-6*a(n+2)+9*a(n+1)-4*a(n), a(0) = 0, a(1) = 2, a(2) = 12\}$ , ogf]  
A145801 3.65394 [[2+x] ogf\_with\_Euler\_transform]  
A145809 2.48059 [[x^2+x+1] ogf\_with\_Euler\_transform]  
A145820 6.57980 [  $\frac{-(9*x^6+7*x^5+9*x^4-39*x^3+7*x^2+x+8)}{(x-1)/(x^6-6*x^3+1)}$  ogf]  
A145839 10.3171 [  $(x-1)^3/(2*x^3-6*x^2+6*x-1)$  ogf]  
A145839 16.6905  $\frac{3/(-1+x)}{(2*x^3-6*x^2+6*x-1)}$  lgdogf  
A145839 5.31256 [  $\{a(n+4)-6*a(n+3)+6*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 3, a(2) =$

15,  $a(3) = 73$ }, ogf]  
A145840 15.2354  $-4/(x-1)/(2*x^4-8*x^3+12*x^2-8*x+1)$  lgdogf  
A145840 8.60437  $[ (x-1)^4/(2*x^4-8*x^3+12*x^2-8*x+1)$  ogf]  
A145841 13.5853  $5/(x-1)/(2*x^5-10*x^4+20*x^3-20*x^2+10*x-1)$  lgdogf  
A145841 6.87540  $[ (x-1)^5/(2*x^5-10*x^4+20*x^3-20*x^2+10*x-1)$  ogf]  
A145885 3.44904  $[ \{(12*n^2+54*n+60)*a(n+1)+(n^2+18*n+57)*a(n+2)+(-n^2-7*n-10)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 10\}$ }, ogf]  
A145886 9.28676  $-x*(16-23*x+19*x^2-7*x^3+x^4)/(x-1)/(x^4-5*x^3+10*x^2-8*x+4)$  lgdegf  
A145887 11.0842  $-(-4-8*x+11*x^2-6*x^3+x^4)/(x-1)/(x-3)/(x^2-2*x+2)$  lgdegf  
A145887 3.39516  $[ \{(n^2+8*n+15)*a(n+1)+(n^2+5*n+2)*a(n+2)+(-1-n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 3\}$ }, ogf]  
A145889 15.0575  $-(1+7*x+x^2+3*x^3)/(x-1)/(x+1)/(1+x^2)$  lgdegf  
A145889 7.96126  $[ -x*(x^2+1)/(x+1)^2/(x-1)^3$  egf]  
A145910 11.8257  $[ (x^2-8*x-2)/(x-1)^3$  ogf]  
A145910 20.7770  $-(-14-14*x+x^2)/(-1+x)/(x^2-8*x-2)$  lgdogf  
A145910 6.32781  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 14, a(2) = 35\}$ }, ogf]  
A145919 10.0143  $-(-2-6*x+5*x^6+12*x^5+20*x^3+15*x^2-21*x^4)/(x-1)/(x^2+x+1)/(x^4+2*x^3-3*x^2+2*x+1)$  lgdogf  
A145919 8.45775  $[ -x^4*(x^4+2*x^3-3*x^2+2*x+1)/(x-1)^3/(x^2+x+1)^3$  ogf]  
A145920 5.18602  $[ -x*(x^6+4*x^5+26*x^4+19*x^3+26*x^2+4*x+1)/(x+1)^4/(x-1)^5$  ogf]  
A145920 7.20589  $-(-5+3*x^7+65*x+140*x^5+305*x^3+160*x^4+115*x^2+17*x^6)/(x-1)/(x+1)/(x^6+4*x^5+26*x^4+19*x^3+26*x^2+4*x+1)$  lgdogf  
A145923 3.28668  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 9, a(1) = 33, a(2) = 65\}$ }, ogf]  
A145923 6.14233  $[ (7*x^2-6*x-9)/(x-1)^3$  ogf]  
A145923 9.77430  $-(-33+2*x+7*x^2)/(-1+x)/(7*x^2-6*x-9)$  lgdogf  
A145924 11.8243  $[ -(3*x^4+5*x^3+5*x^2+3*x+9)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A145924 7.01690  $-(-3+10*x+15*x^6+12*x^5+10*x^7+45*x^4+12*x^3+3*x^8+15*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(3*x^4+5*x^3+5*x^2+3*x+9)$  lgdogf  
A145934 21.2571  $[ 1/(6*x^2-x+1)$  ogf]  
A145934 30.9419  $-(-12*x-1)/(6*x^2+1-x)$  lgdogf  
A145934 7.51777  $[ \{a(n+2)-a(n+1)+6*a(n), a(0) = 1, a(1) = 1\}$ }, ogf]  
A145976 22.4062  $[ 1/(7*x^2-x+1)$  ogf]  
A145976 31.0500  $-(-1+14*x)/(7*x^2+1-x)$  lgdogf  
A145976 7.92413  $[ \{a(n+2)-a(n+1)+7*a(n), a(0) = 1, a(1) = 1\}$ }, ogf]  
A145978 24.3595  $[ 1/(8*x^2-x+1)$  ogf]  
A145978 30.4089  $-(-16*x-1)/(8*x^2+1-x)$  lgdogf  
A145978 8.61495  $[ \{a(n+2)-a(n+1)+8*a(n), a(0) = 1, a(1) = 1\}$ }, ogf]  
A145979 6.03915  $-2*(-3-4*x-3*x^8-18*x^6-12*x^5-2*x^7-26*x^4-6*x^3+x^10-15*x^2)/(-1+x)/(x+1)/(1+x^2)/(2*x^7-2*x^5-x^4-10*x^3-4*x^2-6*x-1)$  lgdogf  
A145979 8.23418  $[ -(2*x^7-2*x^5-x^4-10*x^3-4*x^2-6*x-1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A145980 14.2687  $[ (7*x^2-52*x-29)/(x-1)^3$  ogf]  
A145980 22.0970  $-(-139-90*x+7*x^2)/(x-1)/(7*x^2-52*x-29)$  lgdogf  
A145980 7.68314  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 29, a(1) = 139, a(2) = 323\}$ }, ogf]  
A145995 13.3061  $[ -(8*x^2+x+1)/(x-1)^3$  ogf]  
A145995 23.4223  $-2*(x+2)*(4*x+1)/(x-1)/(8*x^2+x+1)$  lgdogf  
A145995 7.18294  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 17\}$ }, ogf]  
A146005 15.5754  $-2*(-3-3*x+x^3-6*x^2)/(x^2+x-1)/(-1+x^2-4*x)$  lgdogf  
A146005 4.02199  $[ \{(n^2+5*n+6)*a(n+1)+(n^2+4*n+3)*a(n+2)+(-n^2-3*n-2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 6\}$ }, ogf]  
A146005 9.53158  $[ -x*(x^2-4*x-1)/(x^2+x-1)^2$  ogf]  
A146020 13.7327  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146043 14.2820  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146078 21.5709  $[ 1/(9*x^2-x+1)$  ogf]  
A146078 29.6191  $-(-1+18*x)/(9*x^2+1-x)$  lgdogf  
A146078 7.62872  $[ \{a(n+2)-a(n+1)+9*a(n), a(0) = 1, a(1) = 1\}$ }, ogf]

A146079 10.2195 [  $-(2*x^8+4*x^7+8*x^6+5*x^5+4*x^4+5*x^3+8*x^2+4*x+2)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A146080 21.5035 [  $1/(10*x^2-x+1)$  ogf]  
A146080 29.1812  $-(-1+20*x)/(10*x^2+1-x)$  lgdogf  
A146080 7.77234 [  $\{a(n+2)-a(n+1)+10*a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A146081 16.5558 [  $-2*(18*x-55)/(x-1)^2$  ogf]  
A146081 23.6225  $-(-55-x+(3025+74*x)^(1/2))/(36+x)$  revogf  
A146081 27.8408  $-2*(-46+9*x)/(x-1)/(18*x-55)$  lgdogf  
A146081 9.24047 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 110, a(1) = 184\}$ , ogf]  
A146082 7.70263 [  $-(7*x^7+5*x^6+3*x^5+x^4+8*x^3+6*x^2+4*x+2)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A146083 20.4935 [  $1/(11*x^2-x+1)$  ogf]  
A146083 27.8503  $-(-1+22*x)/(11*x^2+1-x)$  lgdogf  
A146083 7.40730 [  $\{a(n+2)-a(n+1)+11*a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A146084 20.4935 [  $1/(12*x^2-x+1)$  ogf]  
A146084 27.8503  $-(-1+24*x)/(12*x^2+1-x)$  lgdogf  
A146084 7.40730 [  $\{a(n+2)-a(n+1)+12*a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A146086 10.1001  $-(11-108*x+225*x^2-480*x^3+368*x^4)/(x-1)/(3*x-1)/(5*x-1)/(15*x^2-16*x+3)$  lgdogf  
A146086 11.5388 [  $-(15*x^2-16*x+3)/(x-1)/(3*x-1)/(5*x-1)$  ogf]  
A146086 6.46569 [  $\{-a(n+3)+9*a(n+2)-23*a(n+1)+15*a(n), a(0) = 3, a(1) = 11, a(2) = 45\}$ , ogf]  
A146090 5.29954 [  $-(12*x^7+15*x^6-206*x^5+425*x^4-238*x^3+83*x^2+88*x+1)/(x-1)^5$  ogf]  
A146090 5.72681  $(-93-518*x-90*x^5+24*x^7-69*x^6+605*x^4-1224*x^3+465*x^2)/(x-1)/(12*x^7+15*x^6-206*x^5+425*x^4-238*x^3+83*x^2+88*x+1)$  lgdogf  
A146092 4.77159 [  $-(16*x^7+137*x^6-848*x^5+1717*x^4-1202*x^3+729*x^2+230*x+1)/(x-1)^5$  ogf]  
A146093 8.42367 [  $-(x^12+x^10+x^7+2*x^6+x^5+2*x^3+2*x^2+x+1)/(x-1)/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A146094 8.40298 [  $-(2*x^11+3*x^10+3*x^9+x^7+3*x^6+3*x^4+x^3+2*x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A146123 3.53901 [  $(204*x^7-1564*x^6+4405*x^5-5865*x^4+3022*x^3-1430*x^2-535*x-1)/(x-1)^5$  ogf]  
A146124 4.36637 [  $x*(13*x^5-89*x^4+223*x^3-47*x^2-356*x-32)/(x-1)^5$  ogf]  
A146124 6.23541  $6*(86+253*x+4*x^4-15*x^3-88*x^2)/(-1+x)/(13*x^5-89*x^4+223*x^3-47*x^2-356*x-32)$  lgdogf  
A146125 4.28395 [  $-x*(14*x^7+66*x^6-260*x^5+34*x^4+777*x^3-625*x^2+1581*x+93)/(x-1)^5$  ogf]  
A146126 3.40645 [  $-x*(18*x^7+430*x^6-1212*x^5+1132*x^4+3869*x^3-3029*x^2+8541*x+235)/(x-1)^5$  ogf]  
A146132 14.2820  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146141 15.9668  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146160 12.4050  $-2*(2+x+x^5+2*x^3+6*x^4+24*x^2+8*x^6)/(x-1)/(x+1)/(16*x^3+x^2+4*x+1)/(x^2+1)$  lgdogf  
A146160 16.5674 [  $-(16*x^3+x^2+4*x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A146162 7.29388 [  $-(-x^6-x^4-2*x^3-x^2-1)/(-x^8-x^7-x^6-x^5+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A146176 9.40173  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146185 11.6684  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146193 9.40173  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146197 3.56095 [  $-2*x*(10*x^8+30*x^7-215*x^6+6*x^5+1051*x^4-1460*x^3+577*x^2+472*x+9)/(x-1)^7$  ogf]  
A146205 6.02321  $(1+14*x+15*x^2)/(x+1)/(1+x^2)$  lgdogf  
A146229 9.66657  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146237 11.4002  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146261 8.49195  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146298 16.3411  $-2*x*(x+7)/(-1+x)/(x^2+4*x-1)$  lgdogf  
A146298 6.53870 [  $x*(x^2+4*x-1)/(x-1)^4$  ogf]  
A146301 11.3105 [  $-(5*x^2+102*x+21)/(x-1)^3$  ogf]

A146301 17.3058  $-(165+214*x+5*x^2)/(x-1)/(5*x^2+102*x+21)$  lgdogf  
A146301 6.18693  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 21, a(1) = 165, a(2) = 437\},$  ogf]  
A146302 11.4900  $[ (3*x^2-86*x-45)/(x-1)^3$  ogf]  
A146302 17.3058  $-(-221-166*x+3*x^2)/(x-1)/(3*x^2-86*x-45)$  lgdogf  
A146302 6.18693  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 45, a(1) = 221, a(2) = 525\},$  ogf]  
A146308 6.25567  $[ -$   
 $(5*x^{11}-2*x^{10}-3*x^9-10*x^8+x^7-66*x^6-11*x^5-22*x^4-15*x^3-14*x^2-7*x-6)/$   
 $(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2$  ogf]  
A146311 12.4178  $[ (5*x+1)/(x^2+10*x+1)$  ogf]  
A146311 14.8648  $-(5+2*x+5*x^2)/(5*x+1)/(x^2+10*x+1)$  lgdogf  
A146311 6.88218  $[ \{-a(n+2)-10*a(n+1)-a(n), a(0) = 1, a(1) = -5\},$  ogf]  
A146312 10.2821  $[ -2*(x^2+22*x+1)/(x-1)/(x^2-98*x+1)$  ogf]  
A146312 5.48380  $[ \{a(n+3)-99*a(n+2)+99*a(n+1)-a(n), a(0) = 2, a(1) = 242, a(2) = 23762\},$  ogf]  
A146313 10.2821  $[ -3*(x^2-18*x+1)/(x-1)/(x^2-98*x+1)$  ogf]  
A146313 5.48380  $[ \{-a(n+3)+99*a(n+2)-99*a(n+1)+a(n), a(0) = 3, a(1) = 243, a(2) = 23763\},$  ogf]  
A146321 4.43186  $[ \{-a(n+4)-3*a(n+3)-3*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 4, a(2) = -2, a(3) = 1\},$  ogf]  
A146321 8.35723  $[ (9*x^3+13*x^2+7*x+1)/(x^2+x+1)/(2*x+1)$  ogf]  
A146321 9.52336  $(4+20*x+x^4+26*x^3+39*x^2)/(2*x+1)/(x^2+x+1)/(9*x^3+13*x^2+7*x+1)$  lgdogf  
A146325 12.3007  $[ \{a(n+3)-a(n), a(0) = 1, a(1) = 4, a(2) = 1\},$  ogf]  
A146325 17.6236  $-(4+2*x+x^4+8*x^3+3*x^2)/(x-1)/(x^2+x+1)/(x^2+4*x+1)$  lgdogf  
A146325 19.0786  $[ -(x^2+4*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A146394 9.13689  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146426 9.66657  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146442 9.13689  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146458 10.7296  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146501 13.8749  $[ -(2*x^3-x^2+4*x+4)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A146501 6.09033  $-(8-2*x+2*x^6-2*x^5+13*x^4+4*x^3-5*x^2)/(-1+x)/(x+1)/(x^2-x+1)/(2*x^3-x^2+4*x+4)$  lgdogf  
A146507 11.5522  $[ (29*x^2+12*x+1)/(x+1)/(x-1)^2$  ogf]  
A146507 6.38409  $[ \{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 13, a(2) = 43\},$  ogf]  
A146509 13.5086  $[ (13*x^2+4*x+1)/(x+1)/(x-1)^2$  ogf]  
A146509 16.4301  $-(5+33*x+13*x^3+21*x^2)/(x-1)/(x+1)/(13*x^2+4*x+1)$  lgdogf  
A146509 7.41179  $[ \{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 19\},$  ogf]  
A146510 13.3793  $[ (11*x^2+3*x+1)/(x+1)/(x-1)^2$  ogf]  
A146510 16.2698  $-(4+28*x+11*x^3+17*x^2)/(x-1)/(x+1)/(11*x^2+3*x+1)$  lgdogf  
A146510 7.34086  $[ \{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 16\},$  ogf]  
A146511 13.0963  $[ (49*x^2+12*x+5)/(x+1)/(x-1)^2$  ogf]  
A146511 7.23742  $[ \{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 17, a(2) = 71\},$  ogf]  
A146511 7.50390  $-(17+125*x+49*x^3+73*x^2)/(-1+x)/(x+1)/(49*x^2+12*x+5)$  lgdogf  
A146512 13.6598  $[ (9*x^2+2*x+1)/(x+1)/(x-1)^2$  ogf]  
A146512 14.5886  $-(3+23*x+9*x^3+13*x^2)/(x-1)/(x+1)/(9*x^2+2*x+1)$  lgdogf  
A146512 7.37387  $[ \{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 13\},$  ogf]  
A146523 10.9752  $[ \{a(n+2)-2*a(n+1), a(0) = 1, a(1) = 5\},$  ogf]  
A146523 21.3571  $[ -(3*x+1)/(2*x-1)$  ogf]  
A146523 22.1779  $-1/6-1/3*x+1/6*(1+16*x+4*x^2)^{(1/2)}$  revogf  
A146523 43.1236  $-5/(3*x+1)/(2*x-1)$  lgdogf  
A146528 12.4401  $[ -2*(x^2+3*x-2)/(2*x-1)/(x-1)$  ogf]  
A146528 15.7461  $-(3-10*x+9*x^2)/(x-1)/(2*x-1)/(x^2+3*x-2)$  lgdogf  
A146528 6.46398  $[ \{a(n+3)-3*a(n+2)+2*a(n+1), a(0) = 4, a(1) = 6, a(2) = 8\},$  ogf]  
A146529 12.2733  $(-4+12*x-7*x^2-6*x^3+2*x^4)/(x-1)/(-1+2*x)/(x^3+5*x-3)$  lgdogf

A146529 12.5277 [  $-2*(x^3+5*x-3)/(2*x-1)/(x-1)$  ogf]  
A146529 5.83186 [  $\{-a(n+4)+3*a(n+3)-2*a(n+2), a(0) = 6, a(1) = 8, a(2) = 12, a(3) = 18\}$ , ogf]  
A146533 13.5125  $-7/2*(7+5*(1-4*x)^{(1/2)})/(25*x+6)/(-1+4*x)$  lgdogf  
A146533 6.04235 [  $\{(-4*n-2)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A146534 13.0596  $-8*(4+3*(-4*x+1)^{(1/2)})/(36*x+7)/(4*x-1)$  lgdogf  
A146534 5.57031 [  $\{(-4*n-2)*a(n)+(n+1)*a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A146535 10.6517  $-(1+25*x^4+10*x+21*x^2+x^7+2*x^6+15*x^5+9*x^3)/(x-1)/(x+1)/(x^2+x+1)/(x^4+5*x^2+1)$  lgdogf  
A146535 10.9916 [  $(x+1)*(x^4+5*x^2+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A146535 6.95560 [  $\{(-2*n-9)*a(n+1)+(2*n+3)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 7\}$ , ogf]  
A146541 10.5898 [  $\{a(n+2)-2*a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A146541 20.6071 [  $-(6*x+1)/(2*x-1)$  ogf]  
A146559 14.9729 [  $-(x-1)/(2*x^2-2*x+1)$  ogf]  
A146559 22.5041  $-(1-4*x+2*x^2)/(x-1)/(2*x^2-2*x+1)$  lgdogf  
A146559 8.21682 [  $\{-a(n+2)+2*a(n+1)-2*a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A146575 9.13689  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146583 9.66657  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146599 8.10002  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146604 52.8537 [1 ogf\_with\_Euler\_transform]  
A146615 22.6677 [1 ogf\_with\_Euler\_transform]  
A146631 22.6677 [1 ogf\_with\_Euler\_transform]  
A146639 22.6677 [1 ogf\_with\_Euler\_transform]  
A146655 7.34122  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146663 9.13689  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146671 22.6677 [1 ogf\_with\_Euler\_transform]  
A146695 7.34122  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146703 22.6677 [1 ogf\_with\_Euler\_transform]  
A146727 9.66657  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146761 10.5836  $-(2-2*x+3*x^6-2*x^5+11*x^4-8*x^3+5*x^2)/(x-1)/(x^2+2)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A146761 8.52583 [  $-3*x^2*(x^2+2)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A146763 14.4065 [  $2*x*(3*x+2)/(x+1)/(x-1)^2$  ogf]  
A146763 23.1170  $-(5+9*x+6*x^2)/(-1+x)/(3*x+2)/(x+1)$  lgdogf  
A146763 7.33188 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 4, a(2) = 10\}$ , ogf]  
A146788 7.34122  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146812 7.34122  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146820 8.23066  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A146882 14.3243  $-1/8*(-5-5*x+(5+x)^{(1/2)}*(5+9*x)^{(1/2)})/x$  revogf  
A146882 18.1716 [  $5/(4*x-1)/(x-1)$  ogf]  
A146882 24.4707  $-(5+8*x)/(-1+4*x)/(x-1)$  lgdogf  
A146882 7.22484 [  $\{-a(n+2)+5*a(n+1)-4*a(n), a(0) = 5, a(1) = 25\}$ , ogf]  
A146883 16.4912  $-1/5*(-3-3*x+(9+18*x+4*x^2)^{(1/2)})/x$  revogf  
A146883 18.3594 [  $6/(5*x-1)/(x-1)$  ogf]  
A146883 23.7473  $-2*(-3+5*x)/(5*x-1)/(x-1)$  lgdogf  
A146883 7.29951 [  $\{-a(n+2)+6*a(n+1)-5*a(n), a(0) = 6, a(1) = 36\}$ , ogf]  
A146884 14.9787  $-1/12*(-7-7*x+(49+98*x+25*x^2)^{(1/2)})/x$  revogf  
A146884 18.0652 [  $7/(6*x-1)/(x-1)$  ogf]  
A146884 24.3403  $-(-7+12*x)/(6*x-1)/(x-1)$  lgdogf  
A146884 7.18253 [  $\{-a(n+2)+7*a(n+1)-6*a(n), a(0) = 7, a(1) = 49\}$ , ogf]  
A146885 15.1201  $-1/7*(-4-4*x+(16+32*x+9*x^2)^{(1/2)})/x$  revogf  
A146885 17.3097 [  $8/(7*x-1)/(x-1)$  ogf]  
A146885 22.3777  $-2*(-4+7*x)/(7*x-1)/(x-1)$  lgdogf  
A146885 6.88218 [  $\{-a(n+2)+8*a(n+1)-7*a(n), a(0) = 8, a(1) = 64\}$ , ogf]  
A146951 15.0545  $-(4*x^2+11*x+5)/(-1+x)/(2*x+3)/(x+1)$  lgdogf  
A146951 4.93906 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 6, a(2) = 10\}$ , ogf]  
A146951 9.70482 [  $2*x*(2*x+3)/(x+1)/(x-1)^2$  ogf]  
A146962 12.3654 [  $-(5*x-1)/(19*x^2-10*x+1)$  ogf]



A146962 14.2297  $-(5-38*x+95*x^2)/(5*x-1)/(19*x^2-10*x+1)$  lgdogf  
A146962 6.91871  $[ \{a(n+2)-10*a(n+1)+19*a(n), a(0) = 1, a(1) = 5\},$  ogf]  
A146963 12.5164  $[ -(3*x-1)/(2*x^2-6*x+1)$  ogf]  
A146963 15.3072  $-(3-4*x+6*x^2)/(3*x-1)/(2*x^2-6*x+1)$  lgdogf  
A146963 6.86873  $[ \{a(n+2)-6*a(n+1)+2*a(n), a(0) = 1, a(1) = 3\},$  ogf]  
A146964 13.6665  $[ -(4*x-1)/(9*x^2-8*x+1)$  ogf]  
A146964 15.4568  $-2*(2-9*x+18*x^2)/(4*x-1)/(9*x^2-8*x+1)$  lgdogf  
A146964 7.49991  $[ \{a(n+2)-8*a(n+1)+9*a(n), a(0) = 1, a(1) = 4\},$  ogf]  
A146965 12.4291  $[ -(5*x-1)/(18*x^2-10*x+1)$  ogf]  
A146965 14.3046  $-(5-36*x+90*x^2)/(5*x-1)/(18*x^2-10*x+1)$  lgdogf  
A146965 6.95437  $[ \{a(n+2)-10*a(n+1)+18*a(n), a(0) = 1, a(1) = 5\},$  ogf]  
A146966 13.1302  $[ -(6*x-1)/(29*x^2-12*x+1)$  ogf]  
A146966 14.4080  $-2*(3-29*x+87*x^2)/(6*x-1)/(29*x^2-12*x+1)$  lgdogf  
A146966 7.34667  $[ \{a(n+2)-12*a(n+1)+29*a(n), a(0) = 1, a(1) = 6\},$  ogf]  
A146983 11.9642  $[ (x^2-x+1)/(x+1)/(x^2-4*x+1)$  ogf]  
A146983 13.5242  $-(2-8*x+x^4-2*x^3+9*x^2)/(x+1)/(x^2-4*x+1)/(x^2-x+1)$  lgdogf  
A146983 6.45853  $[ \{a(n+3)-3*a(n+2)-3*a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 10\},$  ogf]  
A146989 14.1309  $[ -(x^4+13*x^3+x^2+2*x+15)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A146989 9.38292  $-(2+2*x+8*x^5+4*x^3+75*x^4+39*x^2+3*x^6+26*x^7+x^8)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+13*x^3+x^2+2*x+15)$  lgdogf  
A146994 6.81638  $-(3+5*x+16*x^5+16*x^4+10*x^3+23*x^6+5*x^7+10*x^2+10*x^8+6*x^9+4*x^{10})/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+x^4+x^3+2*x+1)$  lgdogf  
A146994 7.71517  $[ -(x^5+x^4+x^3+2*x+1)/(x^2+x+1)/(x^2-x+1)/(x+1)^2/(x-1)^3$  ogf]  
A147013 15.3402  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A147021 16.5620  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A147024 11.9404  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A147069 15.0687  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A147077 12.9770  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A147080 10.1622  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A147096 33.3050 [1 ogf\_with\_Euler\_transform]  
A147156 8.41046 [[1] ogf\_with\_Euler\_transform]  
A147158 6.11670 [[1] ogf\_with\_Euler\_transform]  
A147187 15.3402  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A147214 8.23066  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A147220 6.49899 [[1] ogf\_with\_Euler\_transform]  
A147236 7.34122  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A147244 8.23066  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A147249 15.0687  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A147258 6.49899 [[1] ogf\_with\_Euler\_transform]  
A147284 8.60162 [[1] ogf\_with\_Euler\_transform]  
A147286 6.30785 [[1] ogf\_with\_Euler\_transform]  
A147296 13.6181  $[ -x*(7*x+11)/(x-1)^3$  ogf]  
A147296 29.9449  $-2*(20+7*x)/(7*x+11)/(x-1)$  lgdogf  
A147296 6.98984  $[ \{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 0, a(1) = 11, a(2) = 40\},$  ogf]  
A147316 15.3492  $[ -(10946*x-6765)/(x^2+x-1)$  ogf]  
A147316 9.07001  $[ \{-a(n+2)+a(n+1)+a(n), a(0) = -6765, a(1) = 4181\},$  ogf]  
A147340 11.6684  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A147378 12.0708  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A147380 11.9367  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A147381 22.2463 [1 ogf\_with\_Euler\_transform]  
A147395 7.10294 [[1] ogf\_with\_Euler\_transform]  
A147446 13.2779  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A147454 12.9770  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A147457 9.09553  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A147491 14.0826  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A147507 13.1095  $1-3*f(x)+3*f(x)^2-f(x)^3$  lgdegf  
A147518 13.5319  $[ (x-1)/(6*x^2+4*x-1)$  ogf]  
A147518 14.2041  $1/2/(-1+6*x)*(-4*x-1+(40*x^2+4*x+1)^{1/2})$  revogf

A147518 16.1235  $-3*(-1-4*x+2*x^2)/(x-1)/(6*x^2+4*x-1)$  lgdogf  
A147518 7.42604  $[{-a(n+2)+4*a(n+1)+6*a(n), a(0) = 1, a(1) = 3}],$  ogf]  
A147534 13.8169  $[ (x^3+x^2+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A147534 15.1896  $-(1+3*x+3*x^4+2*x^3+x^5+8*x^2)/(x-1)/(x^2+x+1)/(x^3+x^2+1)$   
lgdogf  
A147534 5.44304  $[{(3*n+10)*a(n+1)+3*a(n+2)+3*a(n+3)+(-3*n-7)*a(n+4), a(0) = 1,$   
 $a(1) = 1, a(2) = 2, a(3) = 4}],$  ogf]  
A147535 4.43555  $[{a(n+3)-9*a(n+2)+26*a(n+1)-24*a(n), a(0) = 5, a(1) = 18, a(2) =$   
 $64}],$  ogf]  
A147535 6.69794  $-2*(9-98*x+384*x^4-648*x^3+387*x^2)/(3*x-1)/(2*x-1)/(4*x-1)/$   
 $(32*x^2-27*x+5)$  lgdogf  
A147535 7.91575  $[ -(32*x^2-27*x+5)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A147536 10.6882  $[ -(19*x-5)/(4*x-1)/(3*x-1)$  ogf]  
A147536 11.1402  $-4*(4-30*x+57*x^2)/(19*x-5)/(-1+3*x)/(4*x-1)$  lgdogf  
A147536 11.6707  $-1/2*(-7*x-5+(x^2-6*x+25)^(1/2))/(19+12*x)$  revogf  
A147536 5.98031  $[{a(n+2)-7*a(n+1)+12*a(n), a(0) = 5, a(1) = 16}],$  ogf]  
A147537 12.4042  $[ 2*(4*x+1)/(8*x-1)/(2*x-1)$  ogf]  
A147537 12.6938  $-2*(-7+16*x+32*x^2)/(4*x+1)/(-1+8*x)/(-1+2*x)$  lgdogf  
A147537 13.2842  $-1/8*(-1-5*x+(1+18*x+9*x^2)^(1/2))/(-1+2*x)$  revogf  
A147537 6.85881  $[{-a(n+2)+10*a(n+1)-16*a(n), a(0) = 2, a(1) = 28}],$  ogf]  
A147538 15.4384  $-1/32*(-1-6*x+(1+12*x+4*x^2)^(1/2))/x$  revogf  
A147538 16.6571  $[ 2/(8*x-1)/(4*x-1)$  ogf]  
A147538 19.6973  $-4*(16*x-3)/(-1+8*x)/(-1+4*x)$  lgdogf  
A147538 6.85881  $[{-a(n+2)+12*a(n+1)-32*a(n), a(0) = 2, a(1) = 24}],$  ogf]  
A147539 6.45768  $[ (136*x^2-36*x+5)/(x-1)/(2*x-1)/(8*x-1)/(16*x-1)$  ogf]  
A147540 5.83736  $[ (768*x^3-128*x^2+6*x+5)/(x-1)/(8*x-1)/(32*x-1)/(4*x-1)$  ogf]  
A147543 4.95380  $[{a(n+3)-10*a(n+2)+31*a(n+1)-30*a(n), a(0) = 6, a(1) = 25, a(2)$   
 $= 105}],$  ogf]  
A147543 7.63160  $-5*(5-58*x+243*x^2-420*x^3+246*x^4)/(3*x-1)/(2*x-1)/(5*x-1)/$   
 $(41*x^2-35*x+6)$  lgdogf  
A147543 8.85679  $[ -(41*x^2-35*x+6)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A147546 4.92519  $[{a(n+3)-11*a(n+2)+36*a(n+1)-36*a(n), a(0) = 7, a(1) = 36, a(2)$   
 $= 186}],$  ogf]  
A147546 7.48933  $-6*(6-70*x+295*x^2-492*x^3+252*x^4)/(6*x-1)/(-1+3*x)/(2*x-1)/$   
 $(42*x^2-41*x+7)$  lgdogf  
A147546 8.80564  $[ -(42*x^2-41*x+7)/(6*x-1)/(3*x-1)/(2*x-1)$  ogf]  
A147560 5.51151  $[{(-n^2-8*n-16)*a(n+1)+(n^2+2*n+1)*a(n+4), a(0) = 0, a(1) = 4,$   
 $a(2) = 16, a(3) = 12}],$  ogf]  
A147560 6.99723  $[ -4*x*(x+1)*(x^6+3*x^5+13*x^3+3*x+1)/(x-1)^3/(x^2+x+1)^3$  ogf]  
A147560 7.34380  $-2*(2+3*x+18*x^4+42*x^3+51*x^5+36*x^6+x^9+6*x^8+6*x^7+24*x^2)/$   
 $(x-1)/(x+1)/(x^2+x+1)/(x^6+3*x^5+13*x^3+3*x+1)$  lgdogf  
A147567 7.92348  $[ -(x^7+4*x^6-x^5+x^4-4*x^3-3*x^2-x-2)/(x^8-x^4+1)$  ogf]  
A147574 3.38063  $[ -510510*(x^16+2*x^15+19*x^6+15*x^5+12*x^4+9*x^3+6*x^2+3*x+1)/$   
 $(3*x^16-2*x^15-19*x^8+23*x^7-x^6-x^2-x-1)$  ogf]  
A147575 11.9062  $9699690*x/(4849845+(23520996524025+9699690*x)^(1/2))^2$  revogf  
A147575 16.8026  $[ 9699690/(x-1)^2$  ogf]  
A147575 49.6491  $[[2]$  ogf\_with\_Euler\_transform]  
A147575 6.89789  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 9699690, a(1) = 19399380}],$  ogf]  
A147575 80.3670  $-2/(x-1)$  lgdogf  
A147581 26.5782  $[[3-x]$  ogf\_with\_Euler\_transform]  
A147585 30.6912  $-5+(1-7*x)*f(x)$  lgdegf  
A147585 5.29159  $-1/7*(1-2*x)^(1/2)+6/7*(1-2*x)^(1/2)*x-12/7*(1-2*x)^(1/2)*x^2+8/7*(1-2*x)^(1/2)*$   
 $x^3+1/7$  revegf  
A147585 5.29439  $[{(-7*n-12)*a(n+1)+a(n+2), a(0) = 1, a(1) = 5}],$  ogf]  
A147587 18.2633  $[ 7*(x+1)/(x-1)^2$  ogf]  
A147587 22.3880  $-1/2*(-7-2*x+(49+56*x)^(1/2))/(-7+x)$  revogf  
A147587 38.9480  $[[3-x]$  ogf\_with\_Euler\_transform]  
A147587 44.7760  $-(x+3)/(x-1)/(x+1)$  lgdogf  
A147587 9.90181  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 7, a(1) = 21}],$  ogf]  
A147589 4.95218  $[{-a(n+2)+1010*a(n+1)-10000*a(n), a(0) = 1, a(1) = 1110}],$  ogf]

A147589 7.68982  $-10*(-111+2000*x+100000*x^2)/(100*x+1)/(1000*x-1)/(10*x-1)$  lgdogf  
A147589 7.82473  $-1/200*(-1-1010*x+(1+2420*x+980100*x^2)^{(1/2)})/(-1+100*x)$  revogf  
A147589 8.43706  $[(100*x+1)/(1000*x-1)/(10*x-1)]$  ogf  
A147590 13.4489  $[(4*x+1)/(8*x-1)/(2*x-1)]$  ogf  
A147590 14.0935  $-1/8*(-10*x-1+(1+36*x+36*x^2)^{(1/2)})/(4*x-1)$  revogf  
A147590 14.0935  $-2*(-7+16*x+32*x^2)/(4*x+1)/(-1+8*x)/(2*x-1)$  lgdogf  
A147590 7.43646  $[{-a(n+2)+10*a(n+1)-16*a(n), a(0) = 1, a(1) = 14}]$ , ogf  
A147592 12.2175  $[1/(x^3+x^2-1)/(x^3-x-1)]$  ogf  
A147592 14.8512  $-(1-2*x+6*x^5-4*x^3+5*x^4-9*x^2)/(x^3+x^2-1)/(x^3-x-1)$  lgdogf  
A147593 12.5574  $[1/(x^4-x^3-1)/(x^4+x-1)]$  ogf  
A147593 13.8738  $-(-1+8*x^7-7*x^6+5*x^4-12*x^3+3*x^2)/(x^4-x^3-1)/(x^4+x-1)$  lgdogf  
A147595 11.1124  $(-3+4*x+16*x^5+16*x^3-36*x^4)/(x-1)/(2*x-1)/(2*x^2-1)/(2*x^2+1)$  lgdogf  
A147595 14.5702  $[-(2*x^2-1)*(2*x^2+1)/(2*x-1)/(x-1)]$  ogf  
A147595 5.57767  $[{a(n+3)-3*a(n+2)+2*a(n+1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 15, a(4) = 27}]$ , ogf  
A147596 10.1002  $(-3+4*x+64*x^7-120*x^6+48*x^5)/(x-1)/(2*x-1)/(2*x^2-1)/(4*x^4+2*x^2+1)$  lgdogf  
A147596 14.7117  $[-(2*x^2-1)*(4*x^4+2*x^2+1)/(2*x-1)/(x-1)]$  ogf  
A147596 4.65080  $[{-a(n+3)+3*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 15, a(4) = 31, a(5) = 63, a(6) = 119}]$ , ogf  
A147597 11.8372  $[-(2*x-1)*(2*x+1)*(4*x^2+2*x+1)/(4*x-1)/(x-1)]$  ogf  
A147597 5.60233  $[{-a(n+5)+5*a(n+4)-4*a(n+3), a(0) = 1, a(1) = 7, a(2) = 31, a(3) = 119, a(4) = 455}]$ , ogf  
A147597 7.16683  $(-7+8*x+32*x^2-16*x^3-208*x^4+128*x^5)/(x-1)/(2*x+1)/(-1+2*x)/(-1+4*x)/(4*x^2+2*x+1)$  lgdogf  
A147598 7.71236  $-(-1-4*x+6*x^5-25*x^4+4*x^3+21*x^6-16*x^7-9*x^8+9*x^2+10*x^9)/(x^5-x^4-x^3+x^2-1)/(x^5-x^3+x^2+x-1)$  lgdogf  
A147598 8.28264  $[1/(x^5-x^4-x^3+x^2-1)/(x^5-x^3+x^2+x-1)]$  ogf  
A147599 15.8659  $[-(x^6-x^5+x^2)/(x^8-1)]$  ogf\_with\_Euler\_transform  
A147600 14.8892  $-a(n+4)+3*a(n+2)-a(n), a(0)=0, a(1)=6, a(2)=0, a(3)=14$  lgdogf  
A147600 18.8329  $[1/(x^2+x-1)/(x^2-x-1)]$  ogf  
A147601 11.9335  $[(7*x^2+4*x+7)/(x-1)^2/(x+1)^2]$  ogf  
A147601 13.2896  $-2*(2+21*x+7*x^3+6*x^2)/(-1+x)/(x+1)/(7+7*x^2+4*x)$  lgdogf  
A147601 5.81374  $[{(n+4)*a(n+1)+(-n-2)*a(n+3), a(0) = 7, a(1) = 4, a(2) = 21}]$ , ogf  
A147604 10.7168  $[(x^3-x^2-1)/(x^5-x^3+x^2+x-1)]$  ogf  
A147604 11.1201  $-(-1-4*x+2*x^7-3*x^6-5*x^4-2*x^3+7*x^2)/(x^3-x^2-1)/(x^5-x^3+x^2+x-1)$  lgdogf  
A147605 6.47410  $[1/(x^7+x^6+x^5+x^4+x^3+x^2-1)/(x^7-x^5-x^4-x^3-x^2-x-1)]$  ogf  
A147606 7.39109  $-(-1-4*x+24*x^7+9*x^8-20*x^9+12*x^11-30*x^5+12*x^3+3*x^2-11*x^10)/(x^6-x^5-x^4+x^2-1)/(x^6-x^4+x^2+x-1)$  lgdogf  
A147606 7.76136  $[1/(x^6-x^5-x^4+x^2-1)/(x^6-x^4+x^2+x-1)]$  ogf  
A147607 7.74914  $-8*x*(-1+2*x^2+3*x^4-11*x^6+5*x^8+6*x^10-7*x^12+2*x^14)/(x^8-2*x^6+x^4+2*x^2-1)/(x^8-2*x^6-x^4+2*x^2-1)$  lgdogf  
A147607 8.32085  $[1/(x^8-2*x^6+x^4+2*x^2-1)/(x^8-2*x^6-x^4+2*x^2-1)]$  ogf  
A147611 14.0290  $- (7+8*x+16*x^4-x^3+24*x^2)/(x-1)/(1+x+x^2)/(2*x^2-x+2)$  lgdogf  
A147611 5.96510  $[x^4*(2*x^2-x+2)/(x^2+x+1)^2/(x-1)^6]$  ogf  
A147617 6.18803  $-(-1-35*x^6+18*x^8-4*x+14*x^13-13*x^12-24*x^11+11*x^10+10*x^9+10*x^4+4*x^3+3*x^2)/(x^7-x^6-x^5+x^2-1)/(x^7-x^5+x^2+x-1)$  lgdogf  
A147617 6.58798  $[1/(x^7-x^6-x^5+x^2-1)/(x^7-x^5+x^2+x-1)]$  ogf  
A147618 9.11358  $- (5+6*x+11*x^6-6*x^5+39*x^4+2*x^3+24*x^2)/(x-1)/(1+x+x^2)/(x^4-x^3+3*x^2-x+1)$  lgdogf  
A147620 6.31964  $-(-1+12*x^5-40*x^7+20*x^9+12*x^11-4*x+3*x^2+13*x^12-28*x^13-15*x^14+16*x^15+4*x^3)/(x^8-x^7-x^6+x^2-1)/(x^8-x^6+x^2+x-1)$  lgdogf  
A147620 6.49589  $[1/(x^8-x^7-x^6+x^2-1)/(x^8-x^6+x^2+x-1)]$  ogf

A147621 5.92877  $-(26+32*x+368*x^6-121*x^5+173*x^2+38*x^3+458*x^4+56*x^8-58*x^7)/(x-1)/(x^2+x+1)/(2*x^2-x+2)/(2*x^4-2*x^3+9*x^2-2*x+2)$  lgdogf  
A147622 6.04261  $-(-1+14*x^6-45*x^8+22*x^{10}+14*x^{13}-4*x^{18}+x^{17}-17*x^{16}-32*x^{15}+15*x^{14}+4*x^3+3*x^2)/(x^9-x^8-x^7+x^2-1)/(x^9-x^7+x^2+x-1)$  lgdogf  
A147622 6.26644  $[1/(x^9-x^8-x^7+x^2-1)/(x^9-x^7+x^2+x-1)$  ogf]  
A147623 12.6021  $-(3+6*x+2*x^5+5*x^4+8*x^3+12*x^2)/(x-1)/(x+1)/(x^2+1)/(1+x+x^2)$  lgdogf  
A147623 27.6323  $[-x^3+x^2+3$  ogf\_with\_Euler\_transform]  
A147623 9.05176  $[-2*(x^2+1)*(x+1)*x/(x^2+x+1)/(x-1)^3$  ogf]  
A147625 31.4134  $-5+(1-8*x)*f(x)$  lgdegf  
A147625 5.41610  $[{-8*n-13}*a(n+1)+a(n+2), a(0) = 1, a(1) = 5}$ , ogf]  
A147625 6.20001  $-1/8*(3*(1-3*x)^{(1/3)}*x-(1-3*x)^{(1/3)}+1)*(3*(1-3*x)^{(1/3)}*x-(1-3*x)^{(1/3)}-1)$  revegf  
A147626 21.9106  $-x*(x-1)*(2*x^2-2*x+1)$  revegf  
A147626 32.1355  $-6+(1-8*x)*f(x)$  lgdegf  
A147626 5.53781  $[{-8*n-14}*a(n+1)+a(n+2), a(0) = 1, a(1) = 6}$ , ogf]  
A147628 2.20385  $[448*x^8+126*x^7+448*x^6$  ogf\_with\_Euler\_transform]  
A147629 32.3161  $-5+(1-9*x)*f(x)$  lgdegf  
A147629 5.56824  $[{-9*n-14}*a(n+1)+a(n+2), a(0) = 1, a(1) = 5}$ , ogf]  
A147629 7.45755  $-1/9*(1-4*x)^{(1/4)}+8/9*(1-4*x)^{(1/4)}*x-16/9*(1-4*x)^{(1/4)}*x^2+1/9$  revegf  
A147630 32.3161  $x*(1-3*x+3*x^2)$  revegf  
A147630 44.0674  $-6/(-1+9*x)$  lgdegf  
A147630 7.64011  $[{-9*n-15}*a(n+1)+a(n+2), a(0) = 1, a(1) = 6}$ , ogf]  
A147631 32.6771  $-7+(1-9*x)*f(x)$  lgdegf  
A147631 5.62909  $[{-9*n-16}*a(n+1)+a(n+2), a(0) = 1, a(1) = 7}$ , ogf]  
A147633 2.31049  $[254*x^6*(32*x^2+65*x+32)$  ogf\_with\_Euler\_transform]  
A147651 10.1144  $[9*x*(x-3)/(x-1)^3$  ogf]  
A147651 26.1803  $-2*(-4+x)/(-1+x)/(x-3)$  lgdogf  
A147651 5.19144  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 27, a(2) = 72}$ , ogf]  
A147652 12.6605  $[1/(x^{10}-x^6-x^5-x^4+1)$  ogf]  
A147652 13.4686  $-x^3*(-6*x^2-5*x-4+10*x^6)/(1-x^4-x^5-x^6+x^{10})$  lgdogf  
A147656 10.2581  $[x*(x^2+x+4)/(x-1)^4$  ogf]  
A147656 23.7992  $-(17+5*x+2*x^2)/(x-1)/(x^2+x+4)$  lgdogf  
A147656 4.09204  $[{(12+4*n)*a(n+4)+(-23-3*n)*a(n+3)-5*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 17, a(3) = 45}$ , ogf]  
A147659 14.5504  $[1/(x^{12}-x^{10}-x^2-x+1)$  ogf]  
A147659 16.1671  $-(-1-2*x+12*x^{11}-10*x^9)/(-x^2+1-x+x^{12}-x^{10})$  lgdogf  
A147660 14.6959  $[-1/(x^{11}-x^9+x^2+x-1)$  ogf]  
A147660 17.5669  $-(1+2*x+11*x^{10}-9*x^8)/(x^2-1+x+x^{11}-x^9)$  lgdogf  
A147663 10.9684  $-(1+2*x+11*x^{10}-9*x^8+7*x^6-3*x^2)/(x^3+x^2-1)/(x^8-x^7+x^5-x^4+x^3-x+1)$  lgdogf  
A147663 12.9873  $[-1/(x^3+x^2-1)/(x^8-x^7+x^5-x^4+x^3-x+1)$  ogf]  
A147666 11.7270  $[x*(x^4+5*x^3+5*x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A147666 13.8392  $-(5+2*x^6+15*x^5+29*x^3+21*x^2)/(x-1)/(x^4+5*x^3+5*x+1)/(x^2+x+1)$  lgdogf  
A147672 7.09948  $[x*(6*x^4+x^3-2*x^2+x-1)/(x+1)/(2*x-1)/(x-1)^2$  ogf]  
A147672 7.96862  $-(2+4*x+20*x^5-17*x^3+24*x^4-13*x^2)/(x-1)/(2*x-1)/(1+x)/(6*x^4+x^3-2*x^2+x-1)$  lgdogf  
A147675 11.5543  $[{-a(n+2)+2*a(n), a(0) = 10, a(1) = 5}$ , ogf]  
A147675 17.8817  $[-5*(x+2)/(2*x^2-1)$  ogf]  
A147675 22.3144  $(-5+(25+5*x+2*x^2)^{(1/2)})/(5+2*x)$  revogf  
A147675 24.5459  $-(1+8*x+2*x^2)/(x+2)/(2*x^2-1)$  lgdogf  
A147677 14.6459  $[x^2-5*x+7)/(x+1)/(x-1)^2$  ogf]  
A147677 20.3828  $-(2+18*x-9*x^2+x^3)/(x-1)/(x+1)/(x^2-5*x+7)$  lgdogf  
A147677 7.90617  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 7, a(1) = 2, a(2) = 10}$ , ogf]  
A147678 7.69513  $-2*(-1-2*x+4*x^8+4*x^7+2*x^6-4*x^5-2*x^4+4*x^3+x^2)/(x-1)/(2*x+1)/(x+1)/(2*x^2-1)/(2*x^4-2*x^2+1)$  lgdogf

A147678 8.55373 [  $-(2*x+1)*(2*x^4-2*x^2+1)/(2*x^2-1)/(x-1)^2/(x+1)^2$  ogf]  
A147685 12.9566  $-(1+10*x+3*x^4+12*x^3+2*x^5+8*x^2)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A147685 25.3798  $[-x^3-x^2+4*x+1$  ogf\_with\_Euler\_transform]  
A147685 9.89762 [  $-x*(x^2+1)*(x^2+x+1)/(x-1)^3/(x+1)^3$  ogf]  
A147688 13.1940 [  $-(6*x-1)/(28*x^2-12*x+1)$  ogf]  
A147688 14.4794  $-2*(3-28*x+84*x^2)/(6*x-1)/(28*x^2-12*x+1)$  lgdogf  
A147688 7.38233 [  $\{a(n+2)-12*a(n+1)+28*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A147689 12.1536 [  $-(7*x-1)/(41*x^2-14*x+1)$  ogf]  
A147689 13.6450  $-(7-82*x+287*x^2)/(7*x-1)/(41*x^2-14*x+1)$  lgdogf  
A147689 13.9861  $-1/2*(-14*x-1+(32*x^2+1)^{(1/2)})/(41*x+7)$  revogf  
A147689 6.80025 [  $\{a(n+2)-14*a(n+1)+41*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A147691 6.24730 [  $-x*(x^2+x+1)*(x^4-4*x^3-8*x^2-6*x-1)/(x+1)^2/(x-1)^4$  ogf]  
A147691 8.67725  $(9+91*x^4+50*x+119*x^2+x^6+22*x^5+140*x^3)/(x-1)/(x+1)/(x^2+x+1)/(x^4-4*x^3-8*x^2-6*x-1)$  lgdogf  
A147704 13.1048 [  $-(2*x-1)/(x^3-3*x+1)$  ogf]  
A147704 16.0190  $-(1+4*x^3-3*x^2)/(2*x-1)/(x^3-3*x+1)$  lgdogf  
A147704 6.27357 [  $\{a(n+3)-3*a(n+2)+a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A147722 12.9529  $-1/2*(-5*x-1+(17*x^2-2*x+1)^{(1/2)})/(2*x+3)$  revogf  
A147722 17.8834 [  $-(3*x-1)/(2*x^2-5*x+1)$  ogf]  
A147722 9.81404 [  $\{a(n+2)-5*a(n+1)+2*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A147725 11.4451 [  $(3*x^2-7*x+1)/(11*x^2-9*x+1)$  ogf]  
A147725 13.4635  $2*(1-8*x+25*x^2)/(3*x^2-7*x+1)/(11*x^2-9*x+1)$  lgdogf  
A147725 5.94267 [  $\{a(n+3)-9*a(n+2)+11*a(n+1), a(0) = 1, a(1) = 2, a(2) = 10\}$ , ogf]  
A147748 12.0860 [  $(x^2-3*x+1)/(5*x^2-5*x+1)$  ogf]  
A147748 15.3093  $2*(1-4*x+5*x^2)/(x^2-3*x+1)/(5*x^2-5*x+1)$  lgdogf  
A147748 6.27997 [  $\{a(n+3)-5*a(n+2)+5*a(n+1), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A147757 4.26885 [  $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 1, a(1) = 11, a(2) = 101, a(3) = 1001, a(4) = 10101\}$ , ogf]  
A147757 7.05701  $(11-40*x+110*x^2+400*x^3-3300*x^4+2000*x^5)/(x-1)/(10*x-1)/(100*x^4-10*x^2+1)$  lgdogf  
A147757 8.95082 [  $(100*x^4-10*x^2+1)/(10*x-1)/(x-1)$  ogf]  
A147758 10.8846  $(3-8*x+16*x^3-36*x^4+16*x^5+6*x^2)/(x-1)/(2*x-1)/(4*x^4-2*x^2+1)$  lgdogf  
A147758 12.4645 [  $(4*x^4-2*x^2+1)/(2*x-1)/(x-1)$  ogf]  
A147758 5.59431 [  $\{a(n+5)-3*a(n+4)+2*a(n+3), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 9, a(4) = 21\}$ , ogf]  
A147759 10.0900 [  $1/(10*x-1)/(x-1)/(10*x^2+1)$  ogf]  
A147759 10.2526  $-(-11+40*x-330*x^2+400*x^3)/(x-1)/(10*x-1)/(10*x^2+1)$  lgdogf  
A147766 26.6792 [  $-2*x/(x-1)$  ogf\_with\_Euler\_transform]  
A147783 9.51851 [  $-(x^9+x^7+x^5+x^4+x^3+x)/(x^{10}-1)$  ogf\_with\_Euler\_transform]  
A147784 9.01161 [  $-(x^{11}+x^8+x^7+x^5+x^3+x^2)/(x^{12}-1)$  ogf\_with\_Euler\_transform]  
A147816 11.1122 [  $1/(1000*x-1)/(100*x-1)$  ogf]  
A147816 11.7371  $-100*(-11+2000*x)/(1000*x-1)/(100*x-1)$  lgdogf  
A147816 4.89894 [  $\{-a(n+2)+1100*a(n+1)-100000*a(n), a(0) = 1, a(1) = 1100\}$ , ogf]  
A147816 8.74528  $-1/200000*(-1-1100*x+(1+2200*x+810000*x^2)^{(1/2)})/x$  revogf  
A147818 16.2507 [  $-(5*x^2+4*x+5)/(x-1)/(x^2+1)$  ogf]  
A147818 19.4536  $-(9+8*x^3+5*x^4+6*x^2)/(x-1)/(x^2+1)/(5*x^2+4*x+5)$  lgdogf  
A147818 8.85083 [  $\{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 5, a(1) = 9, a(2) = 9\}$ , ogf]  
A147832 14.5051 [  $2*x*(6*x+1)/(x+1)/(x-1)^2$  ogf]  
A147832 23.6921  $-(7+9*x+12*x^2)/(x-1)/(6*x+1)/(x+1)$  lgdogf  
A147832 7.51159 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 2, a(2) = 14\}$ , ogf]  
A147833 10.0896 [  $(4*x^2+x-1)/(12*x^3+4*x^2+x-1)$  ogf]  
A147833 11.6800  $-12*x^2*(-3+2*x+4*x^2)/(4*x^2+x-1)/(12*x^3+4*x^2+x-1)$  lgdogf  
A147833 5.63563 [  $\{a(n+3)-a(n+2)-4*a(n+1)-12*a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , ogf]  
A147834 19.1653  $-(1+8*x+36*x^2)/(4*x^2-1+x+12*x^3)$  lgdogf  
A147834 20.5193 [  $-1/(12*x^3+4*x^2+x-1)$  ogf]  
A147834 6.90031 [  $\{a(n+3)-a(n+2)-4*a(n+1)-12*a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$ , ogf]

ogf]  
 A147837 13.4635 [  $-(2*x-1)/(5*x^2-7*x+1)$  ogf]  
 A147837 14.1353  $-1/2*(-1-7*x+(1+6*x+29*x^2)^{(1/2)})/(2+5*x)$  revogf  
 A147837 15.6232  $-5*(1-2*x+2*x^2)/(2*x-1)/(5*x^2-7*x+1)$  lgdogf  
 A147837 7.38852 [  $\{a(n+2)-7*a(n+1)+5*a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
 A147838 12.9815 [  $-(2*x-1)/(6*x^2-8*x+1)$  ogf]  
 A147838 13.6234  $-1/4*(-1-8*x+(1+8*x+40*x^2)^{(1/2)})/(1+3*x)$  revogf  
 A147838 15.0575  $-6*(1-2*x+2*x^2)/(2*x-1)/(6*x^2-8*x+1)$  lgdogf  
 A147838 7.12399 [  $\{a(n+2)-8*a(n+1)+6*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
 A147839 13.6472 [  $-(2*x-1)/(7*x^2-9*x+1)$  ogf]  
 A147839 14.0033  $-1/2*(-1-9*x+(1+10*x+53*x^2)^{(1/2)})/(2+7*x)$  revogf  
 A147839 15.8458  $-7*(1-2*x+2*x^2)/(2*x-1)/(7*x^2-9*x+1)$  lgdogf  
 A147839 7.48933 [  $\{a(n+2)-9*a(n+1)+7*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
 A147840 12.4178 [  $-(2*x-1)/(8*x^2-10*x+1)$  ogf]  
 A147840 12.7146  $-1/4*(-10*x-1+(1+12*x+68*x^2)^{(1/2)})/(4*x+1)$  revogf  
 A147840 14.3447  $-8*(1-2*x+2*x^2)/(2*x-1)/(8*x^2-10*x+1)$  lgdogf  
 A147840 6.88218 [  $\{a(n+2)-10*a(n+1)+8*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
 A147841 11.3730 [  $-(2*x-1)/(9*x^2-11*x+1)$  ogf]  
 A147841 11.6272  $-1/2*(-1-11*x+(1+14*x+85*x^2)^{(1/2)})/(2+9*x)$  revogf  
 A147841 13.1178  $-9*(1-2*x+2*x^2)/(2*x-1)/(9*x^2-11*x+1)$  lgdogf  
 A147841 6.30310 [  $\{a(n+2)-11*a(n+1)+9*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
 A147851 16.6294  $-2*x^2*(-5*x^2-4*x+8*x^5-3)/(1-x^3-x^4-x^5+x^8)$  lgdogf  
 A147851 6.46952 [  $1/(x^8-x^5-x^4-x^3+1)^2$  ogf]  
 A147852 6.98075  $-2*(1-x+8*x^7-x^2-6*x^3+4*x^4+3*x^5+2*x^9+4*x^6+6*x^8)/(x+1)/(x^3+x^2+x-1)/(2*x^6+4*x^4-x^2-2*x+1)$  lgdogf  
 A147852 7.92343 [  $-x*(x+1)*(x^3+x^2+x-1)/(2*x^6+4*x^4-x^2-2*x+1)$  ogf]  
 A147874 14.1727 [  $-x*(7*x+3)/(x-1)^3$  ogf]  
 A147874 33.1815  $-2*(7*x+8)/(7*x+3)/(x-1)$  lgdogf  
 A147874 7.21288 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 16\}$ , ogf]  
 A147875 14.4661 [  $-x*(x+4)/(x-1)^3$  ogf]  
 A147875 38.7120  $-(13+2*x)/(x+4)/(x-1)$  lgdogf  
 A147875 7.36220 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 13\}$ , ogf]  
 A147957 12.3654 [  $-(6*x-1)/(34*x^2-12*x+1)$  ogf]  
 A147957 13.2369  $-2*(3-34*x+102*x^2)/(6*x-1)/(34*x^2-12*x+1)$  lgdogf  
 A147957 6.91871 [  $\{a(n+2)-12*a(n+1)+34*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
 A147958 13.0027 [  $-(7*x-1)/(47*x^2-14*x+1)$  ogf]  
 A147958 14.6133  $-(7-94*x+329*x^2)/(7*x-1)/(47*x^2-14*x+1)$  lgdogf  
 A147958 5.20997  $x*(20*x^4+10*x^2+1)*(1+6*x^2+4*x^4)/(1+7*x+32*x^{10}+18*x^2+112*x^3+280*x^6+112*x^4+588*x^5+240*x^8+560*x^9+1120*x^7)$  revogf  
 A147958 7.27535 [  $\{a(n+2)-14*a(n+1)+47*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
 A147959 12.1536 [  $-(8*x-1)/(62*x^2-16*x+1)$  ogf]  
 A147959 13.0103  $-4*(2-31*x+124*x^2)/(8*x-1)/(62*x^2-16*x+1)$  lgdogf  
 A147959 14.3447  $-1/4*(-1-16*x+(1+8*x^2)^{(1/2)})/(4+31*x)$  revogf  
 A147959 6.80025 [  $\{a(n+2)-16*a(n+1)+62*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
 A147960 12.2789 [  $-(9*x-1)/(79*x^2-18*x+1)$  ogf]  
 A147960 13.4603  $-(9-158*x+711*x^2)/(9*x-1)/(79*x^2-18*x+1)$  lgdogf  
 A147960 14.4957  $-1/2*(-18*x-1+(1+8*x^2)^{(1/2)})/(79*x+9)$  revogf  
 A147960 6.87036 [  $\{a(n+2)-18*a(n+1)+79*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
 A147961 12.5566 [  $-(6*x-1)/(33*x^2-12*x+1)$  ogf]  
 A147961 13.7661  $-6*(1-11*x+33*x^2)/(6*x-1)/(33*x^2-12*x+1)$  lgdogf  
 A147961 7.02570 [  $\{a(n+2)-12*a(n+1)+33*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
 A147962 14.6396 [  $-(7*x-1)/(46*x^2-14*x+1)$  ogf]  
 A147962 14.7595  $-(7-92*x+322*x^2)/(7*x-1)/(46*x^2-14*x+1)$  lgdogf  
 A147962 8.19121 [  $\{a(n+2)-14*a(n+1)+46*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
 A147973 24.1981  $-(-1+7*x^2)/(x-1)/(7*x^2-7*x+2)$  lgdogf  
 A147973 5.57036 [  $\{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = -4, a(1) = 2, a(2) = 4\}$ , ogf]  
 A147973 9.90286 [  $2*(7*x^2-7*x+2)/(x-1)^3$  ogf]  
 A147974 14.6924  $-2*(-2+x+9*x^3+4*x^2)/(x-1)/(18*x^3-23*x^2+16*x-5)$  lgdogf

A147974 7.87490 [  $-2*(18*x^3-23*x^2+16*x-5)/(x-1)^4$  ogf]  
A147975 6.11396  $-(1-22*x+456*x^6-1152*x^5+168*x^2-616*x^3+1183*x^4)/(x-1)/(-1+3*x)/(2*x-1)/(-1+4*x)/(19*x^3-24*x^2+9*x-1)$  lgdogf  
A147975 7.71812 [  $2*(19*x^3-24*x^2+9*x-1)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A147976 5.58105 [  $(226*x^4-350*x^3+185*x^2-40*x+3)/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A147977 4.40774 [  $(1524*x^5-2700*x^4+1755*x^3-530*x^2+75*x-4)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A147978 3.46778 [  $(11628*x^6-22736*x^5+17059*x^4-6370*x^3+1260*x^2-126*x+5)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A147979 3.04158 [  $2*(49752*x^7-105056*x^6+87794*x^5-38129*x^4+9380*x^3-1316*x^2+98*x-3)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A147997 7.60216 [  $-(x+1)*(x^3+x-1)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A147997 7.88144  $-(1+5*x^6+4*x^5-6*x^3+x^8+2*x^7-2*x^4+x^2)/(x-1)/(1+x)/(x^2+x+1)/(x^2+x-1)/(x^3+x-1)$  lgdogf  
A148092 18.6356  $1+x+1/2*x^2+1/6*x^3+1/24*x^4+1/120*x^5$  lgdegf  
A151019 35.9796  $x*(1+2*x)/(1+4*x+10*x^2)$  revogf  
A151019 4.27655 [  $\{(120*n+240)*a(n+1)+(-24*n-48)*a(n+2)+(-5*n-25)*a(n+3)+(n+5)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 10, a(3) = 32\}$ , ogf]  
A151090 4.25374 [  $\{(20*n+40)*a(n+1)+(16*n+62)*a(n+2)+(-9*n-39)*a(n+3)+(n+5)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 11, a(3) = 43\}$ , ogf]  
A151090 40.4917  $x*(1+x)/(1+4*x+5*x^2)$  revogf  
A151162 34.0570  $x*(1+3*x)/(1+6*x+12*x^2)$  revogf  
A151162 4.09139 [  $\{(48*n+96)*a(n+1)+(-12*n-24)*a(n+2)+(-4*n-20)*a(n+3)+(n+5)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 12, a(3) = 45\}$ , ogf]  
A151241 34.7531  $x*(1+3*x)/(1+6*x+15*x^2)$  revogf  
A151241 4.13222 [  $\{(120*n+240)*a(n+1)+(-24*n-48)*a(n+2)+(-5*n-25)*a(n+3)+(n+5)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 15, a(3) = 63\}$ , ogf]  
A151251 35.1603  $x*(1+2*x)/(1+6*x+10*x^2)$  revogf  
A151251 4.22108 [  $\{(20*n+40)*a(n+1)+(16*n+62)*a(n+2)+(-9*n-39)*a(n+3)+(n+5)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 18, a(3) = 84\}$ , ogf]  
A151253 35.5676  $x*(1+3*x)/(1+7*x+15*x^2)$  revogf  
A151253 4.26924 [  $\{(55*n+110)*a(n+1)+(-n+13)*a(n+2)+(-7*n-32)*a(n+3)+(n+5)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 19, a(3) = 91\}$ , ogf]  
A151254 35.5676  $x*(1+4*x)/(1+8*x+20*x^2)$  revogf  
A151254 4.24831 [  $\{(-80*n-160)*a(n+1)+(16*n+32)*a(n+2)+(5*n+25)*a(n+3)+(-n-5)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 20, a(3) = 96\}$ , ogf]  
A151281 38.9683  $x*(1+2*x)/(1+4*x+6*x^2)$  revogf  
A151281 4.52740 [  $\{(24*n+48)*a(n+1)+(-8*n-16)*a(n+2)+(-3*n-15)*a(n+3)+(n+5)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 16\}$ , ogf]  
A151282 4.63646 [  $\{(28*n+56)*a(n+1)+(n+14)*a(n+2)+(-6*n-27)*a(n+3)+(n+5)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 18\}$ , ogf]  
A151282 43.7297  $x*(1+x)/(1+3*x+4*x^2)$  revogf  
A151292 4.32196 [  $\{(55*n+110)*a(n+1)+(-n+13)*a(n+2)+(-7*n-32)*a(n+3)+(n+5)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 23\}$ , ogf]  
A151292 40.9385  $x*(x+1)/(1+3*x+5*x^2)$  revogf  
A151318 37.2155  $x*(1+2*x)/(1+5*x+10*x^2)$  revogf  
A151318 5.88543 [  $\{(-15*n-30)*a(n+1)+(-2*n-10)*a(n+2)+(n+4)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 13\}$ , ogf]  
A151323 17.5286  $x*(x+1)*(2*x^2+2*x+1)/(1+6*x+18*x^2+24*x^3+12*x^4)$  revogf  
A151323 5.77572 [  $\{(-12*n-24)*a(n+1)+(-4*n-14)*a(n+2)+(n+4)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 14\}$ , ogf]  
A151332 4.83695 [  $\{(128*n^3+576*n^2+856*n+420)*a(n+1)+(-2*n^3-15*n^2-37*n-30)*a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A151341 3.92407 [  $\{(48*n^3+288*n^2+564*n+360)*a(n+1)+(8*n^3+72*n^2+214*n+210)*a(n+2)+(-n^3-12*n^2-47*n-60)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A151366 3.73209 [  $\{(36*n^2+180*n+216)*a(n+1)+(24*n^2+180*n+324)*a(n+2)+(n^2+7*n+12)*a(n+3)+(-n^2-15*n-56)*a(n+4), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 2\}$ , ogf]  
A151374 23.4020  $4/(1-8*x)^{(1/2)}/(1+(1-8*x)^{(1/2)})$  lgdogf  
A151374 7.47598 [  $\{(-8*n-12)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]

A151374 70.2060  $-x^{(-1+2*x)}$  revogf  
A151379 4.04750  $[ \{ (-64*n^3-384*n^2-752*n-480)*a(n+1)+(-8*n^2-44*n-60)*a(n+2)+(n^3+11*n^2+40*n+48)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 4 \}, ogf]$   
A151383 21.9022  $6/(1-12*x)^{1/2}/(1+(1-12*x)^{1/2})$  lgdogf  
A151383 69.6889  $-x^{(-1+3*x)}$  revogf  
A151383 7.34851  $[ \{ (-12*n-18)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 3 \}, ogf]$   
A151392 3.66244  $[ \{ (-16*n^2-48*n-36)*a(n+1)+(n^2+5*n+6)*a(n+2), a(0) = 1, a(1) = 2 \}, ogf]$   
A151392 9.00960  $[hypergeom([1/2, 1/2],[2],16*x) ogf]$   
A151403 21.6596  $8/(1-16*x)^{1/2}/(1+(1-16*x)^{1/2})$  lgdogf  
A151403 68.9169  $-x^{(-1+4*x)}$  revogf  
A151403 7.26664  $[ \{ (-16*n-24)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 4 \}, ogf]$   
A151410 3.80947  $[ \{ (48*n^3+288*n^2+564*n+360)*a(n+1)+(8*n^3+76*n^2+236*n+240)*a(n+2)+(-n^3-11*n^2-40*n-48)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 10 \}, ogf]$   
A151483 19.2842  $-1/2*(-1-8*x+(-4*x-1)^3)^{1/2}/(16*x^2+7+4*x)$  revogf  
A151483 6.01103  $[ \{ (-12*n-24)*a(n+1)+(-4*n-12)*a(n+2)+(n+6)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 4 \}, ogf]$   
A151542 14.5608  $[ 3*x*(3*x-4)/(x-1)^3 ogf]$   
A151542 33.3140  $-3*(-3+2*x)/(x-1)/(3*x-4)$  lgdogf  
A151542 7.47367  $[ \{ a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 12, a(2) = 27 \}, ogf]$   
A151556 3.55794  $[ (x^{10}+69*x^9+282*x^8+2664*x^7+2957*x^6+7494*x^5+2957*x^4+2664*x^3+282*x^2+69*x+1)/(x+1)^5/(x-1)^6 ogf]$   
A151564 3.85957  $[30*x^{14}*(128*x^2+17*x+128) ogf\_with\_Euler\_transform]$   
A151575 17.3027  $[ -(x+1)/(2*x+1)/(x-1) ogf]$   
A151575 22.2930  $1/2/(2*x+1)*(x-1+(9*x^2+2*x+1)^{1/2})$  revogf  
A151575 9.61262  $[ \{ -a(n+2)-a(n+1)+2*a(n), a(0) = 1, a(1) = 0 \}, ogf]$   
A151666 7.79853  $[ -1/(x-1)/(x^2+1)/(x^8+1)/(x^{32}+1) ogf]$   
A151670 12.1585  $2*(1+12*x^5+124*x^30+60*x^29+52*x^25+25*x^24+5*x^4)/(2*x+1)/(2*x^5+1)/(2*x^25+1)$  lgdogf  
A151670 7.71227  $[ (2*x+1)*(2*x^5+1)*(2*x^25+1) ogf]$   
A151671 12.2166  $3*(1+18*x^5+279*x^30+90*x^29+78*x^25+25*x^24+5*x^4)/(3*x+1)/(3*x^5+1)/(3*x^25+1)$  lgdogf  
A151671 7.66920  $[ (3*x^5+1)*(3*x+1)*(3*x^25+1) ogf]$   
A151674 11.8129  $4*(1+24*x^5+496*x^30+120*x^29+104*x^25+25*x^24+5*x^4)/(4*x+1)/(4*x^5+1)/(4*x^25+1)$  lgdogf  
A151674 7.70279  $[ (4*x+1)*(4*x^5+1)*(4*x^25+1) ogf]$   
A151675 10.8314  $[ (3*x^2-5*x+8)/(x-1)^4 ogf]$   
A151675 20.3531  $-3*(9-3*x+2*x^2)/(x-1)/(3*x^2-5*x+8)$  lgdogf  
A151746 10.9076  $[ -(4*x^3-5*x^2-2*x+1)/(4*x-1)/(x-1)^2 ogf]$   
A151746 12.5354  $-4*(-1+6*x+4*x^3-12*x^2)/(x-1)/(-1+4*x)/(4*x^3-5*x^2-2*x+1)$  lgdogf  
A151746 5.61657  $[ \{ a(n+4)-6*a(n+3)+9*a(n+2)-4*a(n+1), a(0) = 1, a(1) = 4, a(2) = 10, a(3) = 32 \}, ogf]$   
A151754 8.66607  $[ -(x^3-x^2-1)/(2*x-1)/(x-1)/(x^2+1) ogf]$   
A151754 9.37907  $-(3-4*x+2*x^6-4*x^5-2*x^3+3*x^2)/(x-1)/(2*x-1)/(x^2+1)/(x^3-x^2-1)$  lgdogf  
A151794 15.3696  $[ 2*(x^2-x-1)/(x+1)/(2*x-1) ogf]$   
A151794 21.6347  $(2+2*x+3*x^2)/(2*x-1)/(x+1)/(x^2-x-1)$  lgdogf  
A151794 7.98617  $[ \{ a(n+3)-a(n+2)-2*a(n+1), a(0) = 2, a(1) = 4, a(2) = 6 \}, ogf]$   
A151798 11.3972  $[ \{ -a(n+3)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 4 \}, ogf]$   
A151798 21.2749  $[ -(2*x^2+x+1)/(x-1) ogf]$   
A151798 29.3397  $2*(-1-2*x+x^2)/(x-1)/(2*x^2+x+1)$  lgdogf  
A151816 4.25747  $[ \{ (-16*n^3-88*n^2-156*n-90)*a(n+1)+(8*n^2+38*n+45)*a(n+2)+(-n-3)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 15/2 \}, egf]$   
A151817 55.7179  $-1/4*x*(-2+x)$  revevfg  
A151817 65.8484  $-2/(-1+4*x)$  lgdegf  
A151817 8.36489  $[ \{ (-4*n-6)*a(n+1)+a(n+2), a(0) = 2, a(1) = 4 \}, ogf]$   
A151821 10.7809  $[ \{ a(n+2)-2*a(n+1), a(0) = 1, a(1) = 4 \}, ogf]$   
A151821 20.9791  $[ -(2*x+1)/(2*x-1) ogf]$



A151821 21.7783  $-1/2*x-1/4+1/4*(4*x^2+12*x+1)^{(1/2)}$  revogf  
A151821 42.3466  $-4/(2*x-1)/(2*x+1)$  lgdogf  
A151842 11.7996  $[(x^2+1)*(x+1)*x/(x-1)^2/(x^2+x+1)^2$  ogf]  
A151842 24.5898  $[[-x^3+2*x^2+1]$  ogf\_with\_Euler\_transform]  
A151842 9.36961  $-(1+2*x+3*x^5+4*x^4+5*x^3+9*x^2)/(-1+x)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A151887 27.7758  $5/3/x*(-1+(1+12*x^2)^{(1/2)})$  lgdogf  
A151889 10.4824  $-(x+1)*(x^5-x^4+6*x^3+2*x^2+13*x+3)/(x^3+3*x+2)/(x^4+4*x^2-1)$  lgdogf  
A151889 11.4567  $[-(x^3+3*x+2)/(x^4+4*x^2-1)$  ogf]  
A151898 10.3987  $[-(2*x^{11}-9*x^5-x^4-x^3-x^2-x-1)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2$  ogf]  
A151899 11.3102  $-(1+2*x+5*x^6+6*x^5+6*x^8+6*x^2+4*x^7)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(2*x^3+x^2+x+1)$  lgdogf  
A151899 12.6731  $[-x^2*(2*x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A151910 7.32803  $[-(2*x^7+21*x^6+21*x^5+23*x^4+21*x^3+23*x^2+21*x+21)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A151912 11.2605  $-4*(-1-8*x+8*x^4+4*x^3+18*x^2)/(4*x^2-2*x+1)/(8*x^3+8*x-1)$  lgdogf  
A151912 8.56190  $[-(8*x^3+8*x-1)/(4*x^2-2*x+1)^2$  ogf]  
A151946 7.40344  $(-827+766*x-1139*x^2+1432*x^3-1806*x^4+888*x^5)/(x-1)/(222*x^5-232*x^4+252*x^3-383*x^2-76*x+903)$  lgdogf  
A151946 8.43471  $[-9*(222*x^5-232*x^4+252*x^3-383*x^2-76*x+903)/(x-1)$  ogf]  
A151947 9.12839  $99*(2+12*x-9*x^2-2*x^3-2*x^4+4*x^5)/(x-1)/(99*x^5+99*x^4+99*x^3-594*x^2-85*x-113)$  lgdogf  
A151947 9.80369  $[(99*x^5+99*x^4+99*x^3-594*x^2-85*x-113)/(x-1)$  ogf]  
A151951 10.1195  $[3*(786*x^4-150*x^3-2028*x^2-295*x-371)/(x-1)$  ogf]  
A151951 6.08815  $[{-a(n+5)+a(n+4), a(0) = 1113, a(1) = 1998, a(2) = 8082, a(3) = 8532, a(4) = 6174}$ ], ogf]  
A151951 9.17609  $6*(111+676*x-574*x^3-263*x^2+393*x^4)/(x-1)/(786*x^4-150*x^3-2028*x^2-295*x-371)$  lgdogf  
A151955 9.24249  $33*(2+12*x-9*x^2-2*x^3-2*x^4+4*x^5)/(x-1)/(33*x^5+33*x^4+33*x^3-198*x^2-32*x-34)$  lgdogf  
A151955 9.80369  $[3*(33*x^5+33*x^4+33*x^3-198*x^2-32*x-34)/(x-1)$  ogf]  
A151956 11.1052  $3*(116+716*x-751*x^2+262*x^3)/(x-1)/(393*x^3-1074*x^2-181*x-167)$  lgdogf  
A151956 11.1598  $[6*(393*x^3-1074*x^2-181*x-167)/(x-1)$  ogf]  
A151956 6.71653  $[{-a(n+4)+a(n+3), a(0) = 1002, a(1) = 2088, a(2) = 8532, a(3) = 6174}$ ], ogf]  
A151961 16.8697  $[-3*(2*x-1)/(x^2-4*x+1)$  ogf]  
A151961 23.3158  $-2*(1-x+x^2)/(2*x-1)/(x^2-4*x+1)$  lgdogf  
A151961 9.25777  $[{a(n+2)-4*a(n+1)+a(n), a(0) = 3, a(1) = 6}$ ], ogf]  
A151971 10.5283  $-(7+23*x+12*x^6+30*x^5+38*x^4+25*x^3+33*x^2)/(x-1)/(x+1)/(6*x^3+8*x^2+6*x+1)/(x^2+1)$  lgdogf  
A151971 12.2830  $[x*(6*x^3+8*x^2+6*x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A151972 10.4240  $-(6+14*x+10*x^6+17*x^5+29*x^4+19*x^3+25*x^2)/(x-1)/(x+1)/(x^2+1)/(5*x^3+4*x^2+5*x+1)$  lgdogf  
A151972 12.1637  $[x*(5*x^3+4*x^2+5*x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A151973 10.3880  $-(9+23*x+16*x^6+29*x^5+47*x^4+28*x^3+40*x^2)/(x-1)/(x+1)/(x^2+1)/(8*x^3+7*x^2+8*x+1)$  lgdogf  
A151973 12.1209  $[x*(8*x^3+7*x^2+8*x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A151974 53.8872  $[[6]$  ogf\_with\_Euler\_transform]  
A151974 6.79818  $[{(n+1)*a(n+2)+(-6-n)*a(n+1), a(0) = 0, a(1) = 15}$ ], ogf]  
A151974 77.4015  $-6/(-1+x)$  lgdogf  
A151974 9.68508  $[15*x/(x-1)^6$  ogf]  
A151975 8.16884  $-(6+14*x+10*x^6+17*x^5+29*x^4+19*x^3+25*x^2)/(x-1)/(x+1)/(x^2+1)/(5*x^3+4*x^2+5*x+1)$  lgdogf  
A151975 9.00606  $[x^7/(2*x-1)/(x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A151977 15.2617  $[x*(15*x+1)/(x+1)/(x-1)^2$  ogf]  
A151977 22.9735  $-2*(8+9*x+15*x^2)/(x-1)/(15*x+1)/(x+1)$  lgdogf  
A151977 7.90336  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 16}$ ],

ogf]  
 A151978 15.0569 [  $x*(16*x+1)/(x+1)/(x-1)^2$  ogf]  
 A151978 22.6624  $-(17+19*x+32*x^2)/(x-1)/(16*x+1)/(x+1)$  lgdogf  
 A151978 7.79731 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 17\}$ ,  
 ogf]  
 A151979 15.0569 [  $x*(18*x+1)/(x+1)/(x-1)^2$  ogf]  
 A151979 22.6624  $-(19+21*x+36*x^2)/(x-1)/(18*x+1)/(x+1)$  lgdogf  
 A151979 7.79731 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 19\}$ ,  
 ogf]  
 A151980 10.5283  $-(5+27*x+8*x^6+37*x^5+31*x^4+24*x^3+28*x^2)/(x-1)/(x+1)/(x^2+1)/$   
 $(4*x^3+11*x^2+4*x+1)$  lgdogf  
 A151980 12.1170 [  $x*(4*x^3+11*x^2+4*x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
 A151981 11.5972 [  $x*(15*x^3+17*x^2+15*x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
 A151981 9.76692  $-2*(8+25*x+15*x^6+33*x^5+46*x^4+26*x^3+39*x^2)/(x-1)/(x+1)/$   
 $(1+x^2)/(15*x^3+17*x^2+15*x+1)$  lgdogf  
 A151983 14.9910 [  $x*(31*x+1)/(x+1)/(x-1)^2$  ogf]  
 A151983 21.4350  $-2*(16+17*x+31*x^2)/(x-1)/(31*x+1)/(x+1)$  lgdogf  
 A151983 7.76318 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 32\}$ ,  
 ogf]  
 A151984 14.4340 [  $x*(63*x+1)/(x+1)/(x-1)^2$  ogf]  
 A151984 20.1326  $-2*(32+33*x+63*x^2)/(-1+x)/(63*x+1)/(x+1)$  lgdogf  
 A151984 7.47475 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 64\}$ ,  
 ogf]  
 A151988 10.5011 [  $x*(x^4+1)*(x^2+x+1)*(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x$   
 $+1)/(x-1)^2$  ogf]  
 A151988 20.9568 [  $x^9-x^7-x^5+x^3+(2*x-2)/(x-1)$  ogf\_with\_Euler\_transform]  
 A151989 10.9397  $-(126+1246*x+x^4+246*x^3+1506*x^2)/(x-1)/$   
 $(x^4+121*x^3+381*x^2+121*x+1)$  lgdogf  
 A151989 7.71798 [  $-(x^4+121*x^3+381*x^2+121*x+1)/(x-1)^5$  ogf]  
 A151997 2.56917 [  $\{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 9, a(1) =$   
 $169, a(2) = 12769\}$ , ogf]  
 A151997 4.37454 [  $-(4000*x^2-830*x+9)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
 A152011 12.6334 [  $(3*x^2-1)/(x+1)/(3*x-1)$  ogf]  
 A152011 16.8335  $2*(1+3*x^2)/(-1+3*x)/(x+1)/(3*x^2-1)$  lgdogf  
 A152011 6.06901 [  $\{-a(n+3)+2*a(n+2)+3*a(n+1), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
 A152015 10.4794 [  $x*(x^2+6*x-1)/(x-1)^4$  ogf]  
 A152015 22.2814  $-2*(1+10*x+x^2)/(-1+x)/(x^2+6*x-1)$  lgdogf  
 A152015 3.86361 [  $\{(n+3)*a(n+4)+(-12-7*n)*a(n+3)+(25+5*n)*a(n+2)+(n+2)*a(n+1),$   
 $a(0) = 0, a(1) = -1, a(2) = 2, a(3) = 15\}$ , ogf]  
 A152016 15.1020  $-(1+36*x+2*x^3+21*x^2)/(x-1)/(x^3+6*x^2+6*x-1)$  lgdogf  
 A152016 3.75265 [  $\{(-35*n^2-129*n-118)*a(n+1)+(-26*n^2-384*n-412)*a(n$   
 $+2)+(61*n^2+129*n+14)*a(n+3), a(0) = 0, a(1) = -2, a(2) = 2\}$ , ogf]  
 A152016 7.54566 [  $-2*x*(x^3+6*x^2+6*x-1)/(x-1)^5$  ogf]  
 A152017 11.1068  $-2*(1+x^4+116*x+186*x^2+56*x^3)/(x-1)/(x^4+36*x^3+66*x^2+20*x-3)$   
 lgdogf  
 A152017 6.46580 [  $x*(x^4+36*x^3+66*x^2+20*x-3)/(x-1)^6$  ogf]  
 A152018 5.68280 [  $-9*(x^10+x^9+9*x^8+2*x^7+22*x^6+6*x^5+22*x^4+2*x^3+9*x^2+x+1)/$   
 $(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
 A152020 5.55919 [  $-(x^10+x^9+9*x^8+2*x^7+22*x^6+6*x^5+22*x^4+2*x^3+9*x^2+x+1)/$   
 $(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
 A152029 21.1085  $4/(1-8*x)^{(1/2)}/(1+(1-8*x)^{(1/2)})$  lgdegf  
 A152029 6.21176 [  $\{(8*n^2+28*n+24)*a(n+1)+(-n-3)*a(n+2), a(0) = 1, a(1) = 2\}$ ,  
 ogf]  
 A152030 5.36713 [  $-2*x*(x^5+36*x^4+176*x^3+134*x^2+15*x-2)/(x-1)^7$  ogf]  
 A152030 8.29083  $-(1+358*x+2*x^5+113*x^4+848*x^3+1198*x^2)/(-1+x)/$   
 $(x^5+36*x^4+176*x^3+134*x^2+15*x-2)$  lgdogf  
 A152031 11.7302  $-2*(31+146*x+156*x^2+26*x^3+x^4)/(x-1)/(x^4+16*x^3+66*x^2+32*x$   
 $+5)$  lgdogf  
 A152031 6.96270 [  $x*(x^4+16*x^3+66*x^2+32*x+5)/(x-1)^6$  ogf]  
 A152032 11.7310 [  $-(x^2+x+1)/(x-1)/(x+1)^3$  ogf]  
 A152032 19.4674  $-(1+4*x+2*x^3+x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf

A152032 28.4795 [-x^2+3\*x-1 ogf\_with\_Euler\_transform]  
A152035 18.3896 [(2\*x^2-1)/(2\*x^2+2\*x-1) ogf]  
A152035 25.3494 2\*(1+2\*x^2)/(2\*x^2-1)/(2\*x^2+2\*x-1) lgdogf  
A152035 8.83424 [{-a(n+3)+2\*a(n+2)+2\*a(n+1), a(0) = 1, a(1) = 2, a(2) = 4}, ogf]  
A152041 19.2614 -3\*(11+20\*x+4\*x^2)/(-1+x)/(4\*x^2+13\*x+4) lgdogf  
A152041 3.86736 [{(12+4\*n)\*a(n+4)+(-15+9\*n)\*a(n+3)+(-69-9\*n)\*a(n+2)+(-12-4\*n)\*a(n+1), a(0) = 0, a(1) = 4, a(2) = 33, a(3) = 129}, ogf]  
A152041 9.30008 [-x\*(4\*x^2+13\*x+4)/(x-1)^5 ogf]  
A152046 3.28184 [(2\*x^2-1)/(x+1)/(2\*x-1) ogf]  
A152053 10.2123 [9\*(3\*x^2+4\*x+3)/(x-1)^2/(x+1)^2 ogf]  
A152053 12.2017 -2\*(2+9\*x+3\*x^2+6\*x^3)/(-1+x)/(x+1)/(3+3\*x^2+4\*x) lgdogf  
A152053 5.14907 [{(n+4)\*a(n+1)+(-n-2)\*a(n+3), a(0) = 27, a(1) = 36, a(2) = 81}, ogf]  
A152055 12.1536 [- (8\*x-1)/(61\*x^2-16\*x+1) ogf]  
A152055 13.0103 -2\*(4-61\*x+244\*x^2)/(8\*x-1)/(61\*x^2-16\*x+1) lgdogf  
A152055 13.9861 -1/2\*(-1-16\*x+(1+12\*x^2)^(1/2))/(61\*x+8) revogf  
A152055 6.80025 [{a(n+2)-16\*a(n+1)+61\*a(n), a(0) = 1, a(1) = 8}, ogf]  
A152056 11.2540 [- (9\*x-1)/(78\*x^2-18\*x+1) ogf]  
A152056 12.0320 -3\*(3-52\*x+234\*x^2)/(9\*x-1)/(78\*x^2-18\*x+1) lgdogf  
A152056 6.29688 [{a(n+2)-18\*a(n+1)+78\*a(n), a(0) = 1, a(1) = 9}, ogf]  
A152059 10.2431 -2+9\*x+(1-9\*x+20\*x^2)\*f(x)+(x^2+16\*x^4-8\*x^3)\*f(x)^2 lgdegf  
A152059 3.35788 [{(4\*n^4+18\*n^3+20\*n^2+6\*n)\*a(n)+(-n^3+12\*n+13)\*a(n+1)+(-n-2)\*a(n+2), a(0) = 1, a(1) = 2}, ogf]  
A152064 11.3499 [(23\*x^2-16\*x+5)/(x-1)^4 ogf]  
A152064 21.3781 -2\*(2-x+23\*x^2)/(x-1)/(23\*x^2-16\*x+5) lgdogf  
A152064 3.95022 [{(5\*n+20)\*a(n+4)+(-67-21\*n)\*a(n+3)+(80+39\*n)\*a(n+2)+(-69-23\*n)\*a(n+1), a(0) = 5, a(1) = 4, a(2) = 9, a(3) = 32}, ogf]  
A152067 15.8482 [1/(x^2-x+1)/(x^10+x^9-x^7-x^6-x^5-x^4-x^3+x+1) ogf]  
A152067 8.06943 -x^4\*(-7\*x^2-6\*x-5+12\*x^7)/(x^2-x+1)/(x^10+x^9-x^7-x^6-x^5-x^4-x^3+x+1) lgdogf  
A152083 11.8403 [(x^3+3\*x^2+2\*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A152083 8.89137 -(3+9\*x+13\*x^6+14\*x^5+3\*x^7+12\*x^4+7\*x^3+9\*x^2)/(-1+x)/(x^3+3\*x^2+2\*x+1)/(x^2+1+x+x^4+x^3) lgdogf  
A152090 13.0232 (1+4\*x^3+x^6)/(x^4-2\*x^3-3\*x^2+1)/(x^4-x^3-3\*x^2-x+1) lgdogf  
A152090 8.69096 [(x^4-2\*x^3-3\*x^2+1)/(x^4-x^3-3\*x^2-x+1) ogf]  
A152094 7.35386 [(64\*x^4-16\*x^3-18\*x^2+1)/(64\*x^4-8\*x^3-18\*x^2-x+1) ogf]  
A152094 7.55756 (1-48\*x^4+32\*x^3+512\*x^6-6\*x^2)/(64\*x^4-8\*x^3-18\*x^2-x+1)/(64\*x^4-16\*x^3-18\*x^2+1) lgdogf  
A152096 7.04604 [(144\*x^4-24\*x^3-27\*x^2+1)/(144\*x^4-12\*x^3-27\*x^2-x+1) ogf]  
A152096 7.06386 (1-108\*x^4+48\*x^3+1728\*x^6-9\*x^2)/(144\*x^4-24\*x^3-27\*x^2+1)/(144\*x^4-12\*x^3-27\*x^2-x+1) lgdogf  
A152098 7.77234 [(x-1)\*(16\*x^3+8\*x^2-x-1)/(16\*x^4-4\*x^3-9\*x^2-x+1) ogf]  
A152098 7.90089 (1-3\*x^2+16\*x^3-12\*x^4+64\*x^6)/(x-1)/(16\*x^3+8\*x^2-x-1)/(16\*x^4-4\*x^3-9\*x^2-x+1) lgdogf  
A152100 13.4050 2\*(-7-41\*x-17\*x^2+x^3)/(x-1)/(x^4-6\*x^3+26\*x^2+10\*x+1) lgdogf  
A152100 8.48511 [(x^4-6\*x^3+26\*x^2+10\*x+1)/(x-1)^4 ogf]  
A152101 4.41304 [{-a(n+3)+21\*a(n+2)-84\*a(n+1)+64\*a(n), a(0) = 9, a(1) = 231, a(2) = 3999}, ogf]  
A152101 6.73343 -(-77+568\*x-72\*x^2-1792\*x^3+2048\*x^4)/(x-1)/(-1+4\*x)/(16\*x-1)/(32\*x^2-14\*x-3) lgdogf  
A152101 8.02371 [3\*(32\*x^2-14\*x-3)/(x-1)/(4\*x-1)/(16\*x-1) ogf]  
A152103 8.16536 [(x^4-4\*x^3-4\*x^2+1)/(x^4-2\*x^3-4\*x^2-2\*x+1) ogf]  
A152103 9.67704 2\*(1+x^4+8\*x^3+x^2+x^6)/(x^4-4\*x^3-4\*x^2+1)/(x^4-2\*x^3-4\*x^2-2\*x+1) lgdogf  
A152104 7.69010 [(x^4-4\*x^3-8\*x^2+1)/(x^4-2\*x^3-8\*x^2-2\*x+1) ogf]  
A152104 8.59416 2\*(1+5\*x^2+8\*x^3+5\*x^4+x^6)/(x^4-4\*x^3-8\*x^2+1)/(x^4-2\*x^3-8\*x^2-2\*x+1) lgdogf  
A152105 12.1536 [- (8\*x-1)/(10\*x-1)/(6\*x-1) ogf]  
A152105 13.0103 -8\*(1-15\*x+60\*x^2)/(6\*x-1)/(8\*x-1)/(10\*x-1) lgdogf  
A152105 13.9861 -1/8\*(-1-16\*x+(1+16\*x^2)^(1/2))/(15\*x+2) revogf  
A152105 6.80025 [{a(n+2)-16\*a(n+1)+60\*a(n), a(0) = 1, a(1) = 8}, ogf]

A152106 11.4385 [  $-(9*x-1)/(11*x-1)/(7*x-1)$  ogf]  
A152106 11.9556  $-(9-154*x+693*x^2)/(11*x-1)/(-1+7*x)/(9*x-1)$  lgdogf  
A152106 6.40011 [  $\{a(n+2)-18*a(n+1)+77*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A152107 12.9390 [  $-(6*x-1)/(31*x^2-12*x+1)$  ogf]  
A152107 14.1941  $-2*(3-31*x+93*x^2)/(6*x-1)/(31*x^2-12*x+1)$  lgdogf  
A152107 7.23968 [  $\{a(n+2)-12*a(n+1)+31*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A152108 13.6450  $-(7-88*x+308*x^2)/(7*x-1)/(44*x^2-14*x+1)$  lgdogf  
A152108 13.9861  $-1/2*(-1-14*x+(1+20*x^2)^{(1/2)})/(44*x+7)$  revogf  
A152108 15.2226 [  $-(7*x-1)/(44*x^2-14*x+1)$  ogf]  
A152108 8.51740 [  $\{a(n+2)-14*a(n+1)+44*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A152109 12.1536 [  $-(8*x-1)/(59*x^2-16*x+1)$  ogf]  
A152109 13.0103  $-2*(4-59*x+236*x^2)/(8*x-1)/(59*x^2-16*x+1)$  lgdogf  
A152109 13.9861  $-1/2*(-1-16*x+(1+20*x^2)^{(1/2)})/(59*x+8)$  revogf  
A152109 6.80025 [  $\{a(n+2)-16*a(n+1)+59*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A152110 15.9700  $-(-19-41*x+x^3-5*x^2)/(x-1)/(x^3-4*x^2-11*x-2)$  lgdogf  
A152110 3.90081 [  $\{(-89*n^2-538*n-720)*a(n+1)+(-6*n^2-543*n-1575)*a(n+2)+(95*n^2+529*n+732)*a(n+3), a(0) = 4, a(1) = 38, a(2) = 136\}$ , ogf]  
A152110 9.60200 [  $-2*(x^3-4*x^2-11*x-2)/(x-1)^4$  ogf]  
A152113 12.5690 [  $-(x+1)*(x^2+1)/(x^4+2*x^2-1)$  ogf]  
A152113 12.9376  $-(1+6*x+x^6+2*x^5+x^4+4*x^3+5*x^2)/(x+1)/(x^2+1)/(x^4+2*x^2-1)$  lgdogf  
A152116 4.86077 [  $(x^4-2*x^3+x^2+2*x+1)*(x^4+2*x^3-4*x^2-2*x+1)/(x^8+x^7-7*x^6+6*x^5+8*x^4-6*x^3-7*x^2-x+1)$  ogf]  
A152118 10.5871 [  $(x^4-x^3-5*x^2+x+1)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A152118 9.43203  $(x^2+1)*(x^4-2*x^3+2*x^2+2*x+1)/(x^2+2*x-1)/(x^2-2*x-1)/(x^4-x^3-5*x^2+x+1)$  lgdogf  
A152119 8.75498  $(x^2+1)*(x^4-2*x^3+3*x^2+2*x+1)/(x^2+3*x+1)/(x^2-3*x+1)/(x^4-x^3-6*x^2+x+1)$  lgdogf  
A152119 9.17936 [  $(x^4-x^3-6*x^2+x+1)/(x^2+3*x+1)/(x^2-3*x+1)$  ogf]  
A152120 7.61540  $2*(3*x^2+1)*(9*x^4-12*x^3+2*x^2+4*x+1)/(9*x^4-6*x^3-10*x^2+2*x+1)/(9*x^4-14*x^2+1)$  lgdogf  
A152120 8.49784 [  $(9*x^4-6*x^3-10*x^2+2*x+1)/(9*x^4-14*x^2+1)$  ogf]  
A152132 6.60191 [  $-2*(x^5-2*x^4-2*x^3-3*x^2-x-1)/(x+1)/(x^2+1)/(x-1)^4$  ogf]  
A152132 7.21494  $-(-4-12*x-24*x^5-22*x^4-33*x^3-21*x^2-3*x^7+2*x^8-11*x^6)/(x-1)/(x+1)/(x^2+1)/(x^5-2*x^4-2*x^3-3*x^2-x-1)$  lgdogf  
A152133 11.7693  $-(-8-14*x+x^5-x^4+x^3-11*x^2)/(x-1)/(x+1)/(x^4-2*x^3+x^2-2*x-2)$  lgdogf  
A152133 8.13140 [  $-2*(x^4-2*x^3+x^2-2*x-2)/(x+1)/(x-1)^4$  ogf]  
A152134 7.23723 [  $-2*(x^4-2*x^3-3*x^2-4)/(x+1)/(x^2+1)/(x-1)^4$  ogf]  
A152134 8.18850  $-(-12-18*x-5*x^6-18*x^5-27*x^2-39*x^3-12*x^4+3*x^7)/(x-1)/(x+1)/(1+x^2)/(x^4-2*x^3-3*x^2-4)$  lgdogf  
A152135 11.2161  $-(-18-20*x+x^5-5*x^4+7*x^3+3*x^2)/(x-1)/(x+1)/(x^4-4*x^3+5*x^2-6)$  lgdogf  
A152135 8.17256 [  $-2*(x^4-4*x^3+5*x^2-6)/(x+1)/(x-1)^4$  ogf]  
A152142 5.70615 [  $(x^8-x^7-8*x^6-6*x^5+9*x^4+6*x^3-6*x^2+x+1)/(x^4+x^3-3*x^2+x+1)/(x^4-x^3-3*x^2-x+1)$  ogf]  
A152152 5.04804 [  $-x*(x^6-2*x^5+10*x^4-14*x^3+10*x^2-2*x+1)/(x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A152161 11.0489 [  $-(21*x^2+158*x+21)/(x-1)^3$  ogf]  
A152161 15.9991  $-(221+358*x+21*x^2)/(-1+x)/(21*x^2+158*x+21)$  lgdogf  
A152161 6.13830 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 21, a(1) = 221, a(2) = 621\}$ , ogf]  
A152163 13.8017 [  $(2*x-1)/(x^2+x-1)$  ogf]  
A152163 18.8879  $1/2/(-2+x)*(-1-x+((5*x-1)*(x-1))^{(1/2)})$  revogf  
A152163 23.0196  $-(1-2*x+2*x^2)/(2*x-1)/(x^2+x-1)$  lgdogf  
A152163 7.57412 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = -1\}$ , ogf]  
A152166 11.1987 [  $\{-a(n+2)+2*a(n), a(0) = 1, a(1) = -2\}$ , ogf]  
A152166 17.4810 [  $(2*x-1)/(2*x^2-1)$  ogf]  
A152166 22.8275  $-2*(1-2*x+2*x^2)/(2*x-1)/(2*x^2-1)$  lgdogf  
A152166 22.8275  $1/4*(-1+(1-8*x+8*x^2)^{(1/2)})/(x-1)$  revogf  
A152167 14.6665 [  $(2*x-1)/(3*x^2-x-1)$  ogf]

A152167 8.04867 [  $\{-a(n+2)-a(n+1)+3a(n), a(0) = 1, a(1) = -3\}$ , ogf]  
A152172 13.6039  $1/2/(2*x+1)*(-1+x*x^2+(1+2*x+3*x^2-6*x^3+x^4)^{(1/2)})$  revogf  
A152173 11.8435  $1/2*(-1-x-x^2+(1-2*x+3*x^2+6*x^3+x^4)^{(1/2)})/(x-1)/(1+x)$  revogf  
A152174 12.9151  $1/4*(-1+2*x+(10*x-1)*(-1+2*x)^{(1/2)})/(-1+2*x)$  revogf  
A152174 12.9241 [  $(2*x-1)/(4*x^2-2*x-1)$  ogf]  
A152174 15.9739  $-4*(1-2*x+2*x^2)/(2*x-1)/(4*x^2-2*x-1)$  lgdogf  
A152174 7.09248 [  $\{-a(n+2)-2*a(n+1)+4*a(n), a(0) = 1, a(1) = -4\}$ , ogf]  
A152179 4.56471 [  $-(7*x^8+8*x^7+2*x^6+7*x^5+5*x^4+5*x^3+7*x^2+2*x+8)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A152185 12.5015 [  $(2*x-1)/(5*x^2-3*x-1)$  ogf]  
A152185 13.5862  $1/2/(-2+5*x)*(-1+3*x+(1-14*x+29*x^2)^{(1/2)})$  revogf  
A152185 15.3739  $-5*(1-2*x+2*x^2)/(2*x-1)/(5*x^2-3*x-1)$  lgdogf  
A152185 6.86060 [  $\{-a(n+2)-3*a(n+1)+5*a(n), a(0) = 1, a(1) = -5\}$ , ogf]  
A152187 13.7265 [  $-(2*x+1)/(5*x^2+3*x-1)$  ogf]  
A152187 14.4083  $1/2/(2+5*x)*(-1-3*x+(1+14*x+29*x^2)^{(1/2)})$  revogf  
A152187 15.9250  $-5*(1+2*x+2*x^2)/(2*x+1)/(5*x^2+3*x-1)$  lgdogf  
A152187 7.53283 [  $\{a(n+2)-3*a(n+1)-5*a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A152188 59.2674  $-2/(-1+4*x)$  lgdegf  
A152188 72.4379  $-x*(-1+x)$  reveg  
A152189 8.79719 [  $(x^6+x^5-9*x^4+7*x^2-x-1)/(x-1)/(x+1)/(x^2+3*x+1)/(x^2-3*x+1)$  ogf]  
A152190 4.46560 [  $(x^{10}+x^9-14*x^8+x^7+45*x^6-37*x^4-x^3+10*x^2-x-1)/(x-1)/(x+1)/(x^2+3*x+1)/(x^2-3*x+1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A152191 6.07675 [  $(x^8-x^7+2*x^6+x^5+8*x^4-x^3+4*x^2+x+1)/(x^4-x^3+2*x^2+x+1)/(x^4+x^3+2*x^2-x+1)$  ogf]  
A152192 7.28960  $(1+2*x+2*x^8+x^6+8*x^5-4*x^7+x^4-4*x^3+2*x^9+x^{10}+2*x^2)/(1+x^2)/(x^2+x-1)/(x^2-x-1)/(x^6-x^5-3*x^4-x^2+x+1)$  lgdogf  
A152192 9.01271 [  $(x^6-x^5-3*x^4-x^2+x+1)/(x^2+1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A152200 7.10794 [  $-(3*x^{15}+17*x^{14}-6*x^{12}-6*x^{11}-3*x^{10}-3*x^9-2*x^8+3*x^6-3*x^5+9*x-11)/(x-1)^2$  ogf]  
A152223 15.3291 [  $(2*x-1)/(6*x^2-4*x-1)$  ogf]  
A152223 8.41229 [  $\{-a(n+2)-4*a(n+1)+6*a(n), a(0) = 1, a(1) = -6\}$ , ogf]  
A152224 16.8084 [  $-(2*x+1)/(6*x^2+4*x-1)$  ogf]  
A152224 9.22410 [  $\{a(n+2)-4*a(n+1)-6*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A152239 12.2492 [  $(2*x-1)/(7*x^2-5*x-1)$  ogf]  
A152239 13.2369  $1/2/(-2+7*x)*(-1+5*x+(1-18*x+53*x^2)^{(1/2)})$  revogf  
A152239 14.9787  $-7*(1-2*x+2*x^2)/(2*x-1)/(7*x^2-5*x-1)$  lgdogf  
A152239 6.72212 [  $\{-a(n+2)-5*a(n+1)+7*a(n), a(0) = 1, a(1) = -7\}$ , ogf]  
A152240 13.5989 [  $-(2*x+1)/(7*x^2+5*x-1)$  ogf]  
A152240 14.2802  $1/2/(2+7*x)*(-5*x-1+(53*x^2+18*x+1)^{(1/2)})$  revogf  
A152240 15.7834  $-7*(1+2*x+2*x^2)/(2*x+1)/(7*x^2+5*x-1)$  lgdogf  
A152240 7.46279 [  $\{a(n+2)-5*a(n+1)-7*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A152254 20.8996  $-2*(-3+2*x)/(4*x^2+1-12*x)$  lgdogf  
A152254 3.58033 [  $\{(-n-3)*a(n+3)+(30+12*n)*a(n+2)+(-8-4*n)*a(n+1), a(0) = 2, a(1) = 12, a(2) = 104\}$ , ogf]  
A152256 5.60918  $-(-25+726*x-61965*x^4+35316*x^3+39366*x^5-8010*x^2)/(x-1)/(-1+3*x)/(27*x-1)/(9*x-1)/(27*x^2-15*x+1)$  lgdogf  
A152256 6.79288 [  $x*(27*x^2-15*x+1)/(x-1)/(3*x-1)/(27*x-1)/(9*x-1)$  ogf]  
A152257 6.53539  $-2*(81*x^2-33*x+4)*(243*x^3-81*x^2-63*x+5)/(x-1)/(3*x-1)/(27*x-1)/(9*x-1)/(27*x^2-1)$  lgdogf  
A152257 7.56842 [  $-(27*x^2-1)/(x-1)/(3*x-1)/(27*x-1)/(9*x-1)$  ogf]  
A152258 4.20294 [  $-x*(6561*x^4+4050*x^3+1638*x^2+50*x+1)/(x-1)/(81*x-1)/(9*x-1)/(9*x+1)/(81*x+1)/(x+1)$  ogf]  
A152261 11.5000 [  $-(9*x-1)/(76*x^2-18*x+1)$  ogf]  
A152261 12.5938  $-(9-152*x+684*x^2)/(9*x-1)/(76*x^2-18*x+1)$  lgdogf  
A152261 6.43451 [  $\{a(n+2)-18*a(n+1)+76*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A152262 12.1536 [  $-(7*x-1)/(43*x^2-14*x+1)$  ogf]  
A152262 13.6450  $-(7-86*x+301*x^2)/(7*x-1)/(43*x^2-14*x+1)$  lgdogf  
A152262 13.9861  $-1/2*(-1-14*x+(1+24*x^2)^{(1/2)})/(43*x+7)$  revogf  
A152262 6.80025 [  $\{a(n+2)-14*a(n+1)+43*a(n), a(0) = 1, a(1) = 7\}$ , ogf]

A152263 12.3416 [  $-(8*x-1)/(58*x^2-16*x+1)$  ogf]  
A152263 12.9154  $-4*(2-29*x+116*x^2)/(-1+8*x)/(58*x^2-16*x+1)$  lgdogf  
A152263 14.2069  $-1/4*(-1-16*x+(1+24*x^2)^{(1/2)})/(29*x+4)$  revogf  
A152263 6.90542 [  $\{a(n+2)-16*a(n+1)+58*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A152264 11.5615 [  $-(9*x-1)/(75*x^2-18*x+1)$  ogf]  
A152264 6.46893 [  $\{a(n+2)-18*a(n+1)+75*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A152265 11.1310 [  $-(8*x-1)/(57*x^2-16*x+1)$  ogf]  
A152265 11.8976  $-2*(4-57*x+228*x^2)/(8*x-1)/(57*x^2-16*x+1)$  lgdogf  
A152265 6.22806 [  $\{a(n+2)-16*a(n+1)+57*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A152266 11.6230 [  $-(9*x-1)/(74*x^2-18*x+1)$  ogf]  
A152266 12.7314  $-(9-148*x+666*x^2)/(9*x-1)/(74*x^2-18*x+1)$  lgdogf  
A152266 6.50333 [  $\{a(n+2)-18*a(n+1)+74*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A152267 11.6230 [  $-(9*x-1)/(73*x^2-18*x+1)$  ogf]  
A152267 12.7314  $-(9-146*x+657*x^2)/(9*x-1)/(73*x^2-18*x+1)$  lgdogf  
A152267 6.50333 [  $\{a(n+2)-18*a(n+1)+73*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A152268 15.6992  $-1/16*(-1-7*x+(1+14*x+17*x^2)^{(1/2)})/x$  revogf  
A152268 18.3589 [  $x/(8*x^2-7*x+1)$  ogf]  
A152268 24.8571  $-(-7+16*x)/(8*x^2+1-7*x)$  lgdogf  
A152268 7.47956 [  $\{a(n+2)-7*a(n+1)+8*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A152269 8.71886  $-(3+26*x-15*x^2-128*x^3+288*x^4+512*x^5)/(8*x^2+3*x-1)/(32*x^4-5*x^2-1)$  lgdogf  
A152269 9.51155 [  $x*(8*x^2+3*x-1)/(32*x^4-5*x^2-1)$  ogf]  
A152271 16.8097 [  $-(x^2-x-1)/(x-1)^2/(x+1)^2$  ogf]  
A152271 21.8661  $-(-1-2*x-3*x^2+2*x^3)/(x-1)/(x+1)/(x^2-x-1)$  lgdogf  
A152297 14.4643  $-2*(1-5*x+5*x^2)/(2*x-1)/(5*x^2-4*x+1)$  lgdogf  
A152297 7.79133 [hypergeom([1/3, 2/3], [1, 1], 27\*x)\*exp(-x), egf]  
A152298 11.9485 [  $x*(3*x^2+x+1)/(x-1)/(3*x-1)/(3*x+1)/(x+1)$  ogf]  
A152298 7.88498  $-(-1-26*x-10*x^2+36*x^3+27*x^4+54*x^5)/(-1+x)/(3*x-1)/(1+3*x)/(x+1)/(3*x^2+x+1)$  lgdogf  
A152299 6.32385  $-(-5-182*x-410*x^2+324*x^3+1215*x^4+1458*x^5)/(-1+x)/(9*x-1)/(9*x+1)/(x+1)/(9*x^2+5*x+1)$  lgdogf  
A152299 9.63181 [  $(9*x^2+5*x+1)/(x-1)/(9*x-1)/(9*x+1)/(x+1)$  ogf]  
A152390 13.3263  $-2*(17+24*x-15*x^2+4*x^3)/(x-1)/(4*x^3-14*x^2+19*x+3)$  lgdogf  
A152390 3.51357 [  $\{(-797*n^2-7023*n-13896)*a(n+1)+(1581*n^2+10960*n+16378)*a(n+2)+(-784*n^2-3989*n-4911)*a(n+3), a(0) = 6, a(1) = 68, a(2) = 252\}$ , ogf]  
A152390 8.09304 [  $-2*(4*x^3-14*x^2+19*x+3)/(x-1)^5$  ogf]  
A152417 11.8537 [  $x*(5*x^2+3*x+1)/(x-1)/(5*x+1)/(5*x-1)/(x+1)$  ogf]  
A152417 7.36651  $-(-3-62*x+225*x^4+100*x^3+250*x^5-78*x^2)/(x-1)/(5*x-1)/(5*x+1)/(x+1)/(5*x^2+3*x+1)$  lgdogf  
A152418 7.16576  $-(-1-114*x-50*x^2+196*x^3+147*x^4+686*x^5)/(x-1)/(7*x+1)/(7*x-1)/(x+1)/(7*x^2+x+1)$  lgdogf  
A152418 9.32384 [  $3*x*(7*x^2+x+1)/(x-1)/(7*x+1)/(7*x-1)/(x+1)$  ogf]  
A152429 11.3770 [  $-(8*x-1)/(11*x-1)/(5*x-1)$  ogf]  
A152429 11.8899  $-2*(4-55*x+220*x^2)/(5*x-1)/(11*x-1)/(8*x-1)$  lgdogf  
A152429 6.36569 [  $\{a(n+2)-16*a(n+1)+55*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A152435 5.98703  $-(-3-266*x+2662*x^5+484*x^3+1089*x^4-366*x^2)/(x-1)/(11*x+1)/(11*x-1)/(1+x)/(11*x^2+3*x+1)$  lgdogf  
A152435 8.29797 [  $x*(11*x^2+3*x+1)/(x-1)/(11*x+1)/(11*x-1)/(x+1)$  ogf]  
A152436 7.83903 [  $x*(13*x^2+7*x+1)/(x-1)/(13*x-1)/(13*x+1)/(x+1)$  ogf]  
A152437 6.00066  $-(-9-614*x-2610*x^2+1156*x^3+7803*x^4+9826*x^5)/(x-1)/(17*x+1)/(17*x-1)/(x+1)/(17*x^2+9*x+1)$  lgdogf  
A152437 8.49594 [  $x*(17*x^2+9*x+1)/(x-1)/(17*x+1)/(17*x-1)/(x+1)$  ogf]  
A152438 5.30084  $-(-5-762*x+13718*x^5+5415*x^4+1444*x^3-1810*x^2)/(x-1)/(19*x+1)/(19*x-1)/(x+1)/(19*x^2+5*x+1)$  lgdogf  
A152438 7.59815 [  $x*(19*x^2+5*x+1)/(x-1)/(19*x+1)/(19*x-1)/(x+1)$  ogf]  
A152448 8.85653  $-(-1-12*x-13*x^2+4*x^3+13*x^4-8*x^5+x^6)/(x^3-4*x^2+x+1)/(x^4-10*x^2+1)$  lgdogf  
A152448 9.72494 [  $(x^3-4*x^2+x+1)/(x^4-10*x^2+1)$  ogf]  
A152450 10.0373 [  $-(3*x^3+6*x^2-x-1)/(x^4-10*x^2+1)$  ogf]  
A152450 9.14480  $-(1+8*x+12*x^5+3*x^6+27*x^4-4*x^3+x^2)/(3*x^3+6*x^2-x-1)/(x^4-10*x^2+1)$  lgdogf

A152456 15.3952  $-(1-10*x+3*x^2)/(x-1)/(3*x^2-8*x+3)$  lgdegf  
A152456 8.92985  $[(3*x^2-8*x+3)/(x-1)^3$  egf]  
A152457 21.7717  $-(17+10*x+3*x^2)/(x-1)/(x^2+2*x+3)$  lgdogf  
A152457 3.77423  $[{(9+3*n)*a(n+4)+(-19-n)*a(n+3)+(-11-n)*a(n+2)+(-n-3)*a(n+1),$   
 $a(0) = 0, a(1) = 3, a(2) = 17, a(3) = 56}$ , ogf]  
A152457 9.04905  $[-x*(x^2+2*x+3)/(x-1)^5$  ogf]  
A152467 16.7939  $-(1+x*x^2+x^3+x^4+7*x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A152467 22.7186  $[x^6/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A152494 2.75758  $[-x*(3*x+1)/(10*x-1)/(3*x-1)^2$  ogf]  
A152524 13.3424  $[-4*(128*x^2-127)/(x+1)/(x-1)^2$  ogf]  
A152524 14.5120  $-(-127-125*x+128*x^3+128*x^2)/(x-1)/(x+1)/(128*x^2-127)$  lgdogf  
A152524 6.89736  $[{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 508, a(1) = 508, a(2) =$   
 $504}$ , ogf]  
A152548 28.0599  $-4*(1+x)/(2*x-1)/(2*x+1)$  lgdogf  
A152548 5.08920  $[{(-n-3)*a(n+3)+4*a(n+2)+(8+4*n)*a(n+1), a(0) = 1, a(1) = 4,$   
 $a(2) = 10}$ , ogf]  
A152577 4.72133  $[{a(n+2)-101*a(n+1)+100*a(n), a(0) = 11, a(1) = 1001}$ , ogf]  
A152577 7.54509  $-1/20*(-11-101*x+(121+1782*x+9801*x^2)^(1/2))/(11+10*x)$  revogf  
A152577 8.17154  $[-11*(10*x-1)/(100*x-1)/(x-1)$  ogf]  
A152577 9.22178  $-(91-200*x+1000*x^2)/(x-1)/(100*x-1)/(10*x-1)$  lgdogf  
A152579 13.5070  $[(49*x^2-198*x-51)/(x-1)^3$  ogf]  
A152579 19.1822  $-(-351-298*x+49*x^2)/(-1+x)/(49*x^2-198*x-51)$  lgdogf  
A152579 7.50387  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 51, a(1) = 351, a(2) =$   
 $851}$ , ogf]  
A152592 4.77104  $[x^4*(x^21-x^20+x^17-x^14+x^13-x^11+x^10-x^9+x^8-x^7-x^2+x-1)/$   
 $(x-1)/(x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A152594 13.0297  $[(4*x+1)/(2*x^2+5*x+1)$  ogf]  
A152594 15.2071  $-1/4*(5*x-1+(17*x^2+6*x+1)^(1/2))/(-2+x)$  revogf  
A152594 16.8968  $-(1+4*x+8*x^2)/(4*x+1)/(2*x^2+5*x+1)$  lgdogf  
A152594 7.15045  $[{-a(n+2)-5*a(n+1)-2*a(n), a(0) = 1, a(1) = -1}$ , ogf]  
A152596 12.9223  $[-(4*x-1)/(6*x-1)/(x-1)$  ogf]  
A152596 13.5554  $-1/4*(-1-7*x+(1-2*x+25*x^2)^(1/2))/(2+3*x)$  revogf  
A152596 14.5981  $-3*(1-4*x+8*x^2)/(x-1)/(6*x-1)/(-1+4*x)$  lgdogf  
A152596 7.09150  $[{a(n+2)-7*a(n+1)+6*a(n), a(0) = 1, a(1) = 3}$ , ogf]  
A152599 12.9390  $[-(6*x-1)/(12*x^2-10*x+1)$  ogf]  
A152599 13.5489  $-1/12*(-1-10*x+(1-4*x+52*x^2)^(1/2))/(2*x+1)$  revogf  
A152599 14.5403  $-4*(1-6*x+18*x^2)/(6*x-1)/(12*x^2-10*x+1)$  lgdogf  
A152599 7.23968  $[{a(n+2)-10*a(n+1)+12*a(n), a(0) = 1, a(1) = 4}$ , ogf]  
A152600 17.7551  $(4+(1-12*x)^(1/2))/(4*x+5)*x$  revogf  
A152600 22.5974  $2/(1-16*x+4*x^2)^(1/2)$  lgdogf  
A152600 3.50831  $[{-4*a(n+1)*n+(16*n+24)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) =$   
 $2, a(2) = 10}$ , ogf]  
A152601 29.5460  $-x*(3*x-1)/(2*x+1)$  revogf  
A152618 11.0869  $[(9*x^2-4*x+1)/(x-1)^4$  ogf]  
A152618 23.5580  $-6*x*(1+3*x)/(x-1)/(9*x^2-4*x+1)$  lgdogf  
A152618 3.82498  $[{(n+4)*a(n+4)+(-5*n-15)*a(n+3)+(20+13*n)*a(n+2)+(-27-9*n)*a(n$   
 $+1), a(0) = 1, a(1) = 0, a(2) = 3, a(3) = 16}$ , ogf]  
A152619 10.4097  $[x*(x^2-4*x+9)/(x-1)^4$  ogf]  
A152619 3.78064  $[{(27+9*n)*a(n+4)+(-58-13*n)*a(n+3)+(15+5*n)*a(n+2)+(-2-n)*a(n$   
 $+1), a(0) = 0, a(1) = 9, a(2) = 32, a(3) = 75}$ , ogf]  
A152620 12.1161  $[(6*x+1)/(6*x^2+8*x+1)$  ogf]  
A152620 13.7365  $-1/12*(-1+8*x+(1+8*x+40*x^2)^(1/2))/(x-1)$  revogf  
A152620 14.4410  $-2*(1+6*x+18*x^2)/(6*x+1)/(6*x^2+8*x+1)$  lgdogf  
A152620 6.64906  $[{-a(n+2)-8*a(n+1)-6*a(n), a(0) = 1, a(1) = -2}$ , ogf]  
A152621 13.5312  $[-(6*x-1)/(6*x^2-8*x+1)$  ogf]  
A152621 14.5543  $-1/12*(-1-8*x+(1-8*x+40*x^2)^(1/2))/(1+x)$  revogf  
A152621 15.3007  $-2*(1-6*x+18*x^2)/(6*x-1)/(6*x^2-8*x+1)$  lgdogf  
A152621 7.42566  $[{a(n+2)-8*a(n+1)+6*a(n), a(0) = 1, a(1) = 2}$ , ogf]  
A152623 100.582  $5/(5*x+1)$  lgdogf  
A152623 41.1472  $2*x/(1+(1+10*x)^(1/2))$  revogf  
A152623 9.55784  $[{a(n+2), a(0) = 1, a(1) = 5}$ , ogf]

A152624 100.582  $5/(3+5*x)$  lgdogf  
A152624 41.1472  $2*x/(3+(9+10*x)^{(1/2)})$  revegfg  
A152624 9.55784  $[{a(n+2), a(0) = 3, a(1) = 5}]$ , ogf]  
A152627 100.582  $5/(7+5*x)$  lgdogf  
A152627 17.0676  $[-5/(-5*x-7)]$  lgdogfg]  
A152627 39.3582  $2*x/(7+(49+10*x)^{(1/2)})$  revegfg  
A152627 9.55784  $[{a(n+2), a(0) = 7, a(1) = 5}]$ , ogf]  
A152661 15.1549  $[-2*x/(x+1)/(x-1)^3]$  egf]  
A152661 15.4994  $[-(-4*x-2)/(-x^2+1)]$  lgdegfg]  
A152661 23.8232  $-2*(2*x+1)/(x-1)/(x+1)$  lgdegfg]  
A152661 4.08366  $[{(n^3+9*n^2+26*n+24)*a(n+1)+(6+2*n)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 8}]$ , ogf]  
A152668 10.3858  $-3*(-1-4*x-2*x^2-2*x^3+x^4)/(x-1)/(x+1)/(x^3-2*x^2-x-1)$  lgdegfg]  
A152668 6.01030  $[-(3*x^4-6*x^3-6*x^2-12*x-3)/(x^5-2*x^4-2*x^3+x^2+x+1)]$  lgdegfg]  
A152668 6.26881  $[-2*(x^3-2*x^2-x-1)/(x+1)^2/(x-1)^4]$  egf]  
A152681 12.3468  $-1/2*(3*x-1+(1+2*x+9*x^2)^{(1/2)})/(1+2*x+9*x^2)^{(1/2)}/x$  lgdogfg]  
A152681 14.3875  $[-(x^2+x)/(3*x-1)]$  revogfg]  
A152681 41.6703  $x*(x-1)/(-1+3*x)$  revogfg]  
A152691 100.502  $-2/(x-1)$  lgdogfg]  
A152691 21.4605  $[64*x/(x-1)^2]$  ogf]  
A152691 29.1250  $[2/(-x+1)]$  lgdogfg]  
A152691 40.2007  $x/(4+(16+x)^{(1/2)})^2$  revogfg]  
A152691 62.3707  $[[2] ogf\_with\_Euler\_transform]$   
A152691 9.94512  $[{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 64}]$ , ogf]  
A152692 5.34363  $[-2*x^2*(21*x^3-36*x^2+21*x-4)/(x-1)^2/(3*x-1)^2/(2*x-1)^2]$  ogf]  
A152692 6.56564  $-(-27+230*x-774*x^2+1296*x^3-1095*x^4+378*x^5)/(x-1)/(3*x-1)/(2*x-1)/(21*x^3-36*x^2+21*x-4)$  lgdogfg]  
A152718 8.48144  $-(-1+2*x-x^4+x^8-4*x^5+x^6-x^2)/(x^3-x^2+2*x-1)/(x^5-x^4+2*x^3-x^2+2*x-1)/(x^2+x+1)$  lgdogfg]  
A152718 9.51584  $[(x^2+x+1)*(x^3-x^2+2*x-1)/(x^5-x^4+2*x^3-x^2+2*x-1)]$  ogf]  
A152725 10.3500  $-3*(21+276*x+76*x^3+x^4+466*x^2)/(x-1)/(x^4+56*x^3+246*x^2+56*x+1)$  lgdogfg]  
A152725 5.72808  $[-x*(x^4+56*x^3+246*x^2+56*x+1)/(x-1)^7]$  ogf]  
A152726 3.75940  $[x*(x^6+120*x^5+1191*x^4+2416*x^3+1191*x^2+120*x+1)/(x+1)/(x-1)^8]$  ogf]  
A152728 13.8242  $-(-7+17*x+23*x^3+4*x^4+21*x^2)/(x-1)/(x^2+x+1)/(x^2+4*x+1)$  lgdogfg]  
A152728 7.99783  $[-(4*x^4+23*x^3+21*x^2+17*x+7)/(x^5+4*x^4+x^3-x^2-4*x-1)]$  lgdogfg]  
A152728 8.51382  $[x^3*(x^2+4*x+1)/(x^2+x+1)/(x-1)^4]$  ogf]  
A152729 10.0908  $-(-15+70*x+59*x^4+114*x^3+4*x^5+98*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2+10*x+1)$  lgdogfg]  
A152729 6.70135  $[-x^2*(x+1)*(x^2+10*x+1)/(x^2+x+1)/(x-1)^5]$  ogf]  
A152730 5.26375  $[x^2*(x^4+26*x^3+66*x^2+26*x+1)/(x^2+x+1)/(x-1)^6]$  ogf]  
A152730 7.53422  $-(-31+267*x+531*x^4+646*x^3+135*x^5+4*x^6+546*x^2)/(x-1)/(x^2+x+1)/(x^4+26*x^3+66*x^2+26*x+1)$  lgdogfg]  
A152731 4.29048  $[-x^2*(x+1)*(x^4+56*x^3+246*x^2+56*x+1)/(x^2+x+1)/(x-1)^7]$  ogf]  
A152731 5.85386  $-(-63+952*x+4273*x^4+4308*x^3+4*x^7+291*x^6+2160*x^5+3069*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^4+56*x^3+246*x^2+56*x+1)$  lgdogfg]  
A152732 11.9993  $[-(6*x^2+2*x+1)/(2*x^3+x^2+x-1)]$  lgdogfg]  
A152732 17.0657  $[-2*x^2/(2*x-1)/(x^2+x+1)]$  ogf]  
A152732 23.7764  $-(-1+2*x+6*x^2)/(2*x-1)/(x^2+x+1)$  lgdogfg]  
A152732 6.98142  $[{-a(n+3)+a(n+2)+a(n+1)+2*a(n), a(0) = 0, a(1) = 0, a(2) = 2}]$ , ogf]  
A152733 11.6277  $[-(-9*x^2-4*x-2)/(-3*x^3-2*x^2-2*x+1)]$  lgdogfg]  
A152733 16.5372  $[-3*x^2/(3*x-1)/(x^2+x+1)]$  ogf]  
A152733 19.0759  $-(-2+4*x+9*x^2)/(-1+3*x)/(x^2+x+1)$  lgdogfg]  
A152733 6.76521  $[{-a(n+3)+2*a(n+2)+2*a(n+1)+3*a(n), a(0) = 0, a(1) = 0, a(2) = 3}]$ , ogf]  
A152734 14.2422  $[-5*x*(2*x+1)/(x-1)^3]$  ogf]  
A152734 17.2093  $[-(-4*x-5)/(-2*x^2+x+1)]$  lgdogfg]  
A152734 32.0717  $-(-5+4*x)/(2*x+1)/(x-1)$  lgdogfg]  
A152734 7.37540  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 25}]$ ,



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ogf]
A152740 17.4610 [-11*x/(x-1)^3 ogf]
A152740 28.6859 [3/(-x+1) lgdogf]
A152740 61.4203 [[3] ogf_with_Euler_transform]
A152740 7.10801 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 11, a(2) =
33}, ogf]
A152740 98.9732 -3/(x-1) lgdogf
A152741 17.8748 [-13*x/(x-1)^3 ogf]
A152741 29.3657 [3/(-x+1) lgdogf]
A152741 62.8758 [[3] ogf_with_Euler_transform]
A152741 7.27645 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 13, a(2) =
39}, ogf]
A152741 90.0910 -3/(-1+x) lgdogf
A152742 12.1084 [-13*(x+1)*x/(x-1)^3 ogf]
A152742 16.2362 [-(2*x+4)/(x^2-1) lgdogf]
A152742 33.7776 [[4-x] ogf_with_Euler_transform]
A152742 35.1702 -2*(x+2)/(x-1)/(x+1) lgdogf
A152742 6.32207 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 13, a(2) =
52}, ogf]
A152743 12.6133 [-6*x*(2*x+1)/(x-1)^3 ogf]
A152743 15.2411 [-(4*x-5)/(-2*x^2+x+1) lgdogf]
A152743 32.7469 -(5+4*x)/(2*x+1)/(x-1) lgdogf
A152743 6.53190 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 30},
ogf]
A152744 11.8750 [-7*x*(2*x+1)/(x-1)^3 ogf]
A152744 14.3489 [-(4*x-5)/(-2*x^2+x+1) lgdogf]
A152744 30.8072 -(5+4*x)/(2*x+1)/(x-1) lgdogf
A152744 6.14954 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 35},
ogf]
A152745 12.2751 [-5*x*(3*x+1)/(x-1)^3 ogf]
A152745 14.8324 [-(6*x-6)/(-3*x^2+2*x+1) lgdogf]
A152745 31.8585 -6*(x+1)/(3*x+1)/(x-1) lgdogf
A152745 6.35673 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 30},
ogf]
A152746 12.0013 [-6*x*(3*x+1)/(x-1)^3 ogf]
A152746 14.5016 [-(6*x-6)/(-3*x^2+2*x+1) lgdogf]
A152746 31.1403 -6*(x+1)/(3*x+1)/(x-1) lgdogf
A152746 6.21496 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 36},
ogf]
A152749 10.2927 [-2*x*(x^2+x+1)/(x+1)^2/(x-1)^3 ogf]
A152749 11.5793 [-(3*x^3+5*x^2+8*x+2)/(x^4+x^3-x-1) lgdogf]
A152749 19.5680 -(2+8*x+5*x^2+3*x^3)/(x-1)/(x+1)/(x^2+x+1) lgdogf
A152749 33.1846 [-x^2+2*x+2 ogf_with_Euler_transform]
A152750 13.7907 [-8*x*(3*x+1)/(x-1)^3 ogf]
A152750 16.6638 [-(6*x-6)/(-3*x^2+2*x+1) lgdogf]
A152750 33.3676 -6*(x+1)/(1+3*x)/(x-1) lgdogf
A152750 7.14162 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 48},
ogf]
A152751 12.1479 [-3*x*(5*x+1)/(x-1)^3 ogf]
A152751 14.3791 [-(10*x-8)/(-5*x^2+4*x+1) lgdogf]
A152751 28.8962 -2*(4+5*x)/(5*x+1)/(x-1) lgdogf
A152751 6.29086 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 24},
ogf]
A152756 3.52769 [{a(n+3)-101*a(n+2)+100*a(n+1), a(0) = 1, a(1) = 101, a(2) =
10001}, ogf]
A152756 6.75721 -(101-400*x+10100*x^2)/(-1+x)/(10*x+1)/(100*x-1)/(10*x-1) lgdogf
A152756 7.18365 [-10*x-1)*(10*x+1)/(100*x-1)/(x-1) ogf]
A152759 12.2751 [-3*x*(6*x+1)/(x-1)^3 ogf]
A152759 14.5297 [-(12*x-9)/(-6*x^2+5*x+1) lgdogf]
A152759 29.2036 -3*(3+4*x)/(6*x+1)/(x-1) lgdogf
A152759 6.35673 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 27},

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ogf]

A152760 13.5974 [  $-4*x*(6*x+1)/(x-1)^3$  ogf]

A152760 16.0949 [  $-(-12*x-9)/(-6*x^2+5*x+1)$  lgdogf]

A152760 32.3931  $-3*(3+4*x)/(6*x+1)/(x-1)$  lgdogf

A152760 7.04150 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 36\}$ , ogf]

A152764 3.03924 [  $\{a(n+4)-101*a(n+3)+100*a(n+2), a(0) = 1, a(1) = 111, a(2) = 11011, a(3) = 1100011\}$ , ogf]

A152764 5.56480 [  $-(10*x-1)*(10*x+1)^2/(100*x-1)/(x-1)$  ogf]

A152764 5.66413  $(-111+1510*x+10000*x^3-21200*x^2)/(-1+x)/(10*x+1)/(100*x-1)/(10*x-1)$  lgdogf

A152767 12.0013 [  $-3*x*(7*x+1)/(x-1)^3$  ogf]

A152767 13.9215 [  $-(-14*x-10)/(-7*x^2+6*x+1)$  lgdogf]

A152767 28.5452  $-2*(5+7*x)/(7*x+1)/(x-1)$  lgdogf

A152767 6.21496 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 30\}$ , ogf]

A152773 12.3572 [  $-3*x*(4*x+1)/(x-1)^3$  ogf]

A152773 14.9316 [  $-(-8*x-7)/(-4*x^2+3*x+1)$  lgdogf]

A152773 32.0717  $-(7+8*x)/(4*x+1)/(x-1)$  lgdogf

A152773 6.39928 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 21\}$ , ogf]

A152775 9.31746  $-2*(-500-x+1500*x^2)/(x-1)/(1000*x-1)/(x+1)$  lgdogf

A152776 14.5068 [  $7/(x-1)/(8*x-1)/(x+1)$  ogf]

A152776 16.1944  $-2*(-4-x+12*x^2)/(x-1)/(8*x-1)/(x+1)$  lgdogf

A152776 5.17197 [  $\{a(n+3)-8*a(n+2)-a(n+1)+8*a(n), a(0) = 7, a(1) = 56, a(2) = 455\}$ , ogf]

A152776 9.15042 [  $-(-24*x^2+2*x+8)/(-8*x^3+x^2+8*x-1)$  lgdogf]

A152777 12.0417 [  $-7*x*(4*x+1)/(x-1)^3$  ogf]

A152777 14.5504 [  $-(-8*x-7)/(-4*x^2+3*x+1)$  lgdogf]

A152777 29.8915  $-(7+8*x)/(1+4*x)/(-1+x)$  lgdogf

A152777 6.23587 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 49\}$ , ogf]

A152811 12.6333 [  $-(-2*x^2+2*x+6)/(-2*x^3+5*x^2-2*x-1)$  lgdogf]

A152811 13.2546 [  $2*(2*x^2-3*x-1)/(x-1)^3$  ogf]

A152811 24.0343  $-2*(-3-x+x^2)/(x-1)/(2*x^2-3*x-1)$  lgdogf

A152811 7.09239 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 12, a(2) = 26\}$ , ogf]

A152813 12.3672 [  $-(-5*x^2+2*x+15)/(-5*x^3+11*x^2-3*x-3)$  lgdogf]

A152813 13.3809 [  $(5*x^2-6*x-3)/(x-1)^3$  ogf]

A152813 22.2453  $-(-15-2*x+5*x^2)/(x-1)/(5*x^2-6*x-3)$  lgdogf

A152813 7.15993 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 15, a(2) = 31\}$ , ogf]

A152822 17.3692  $-(1+3*x^4+4*x^3+x^6+3*x^2)/(x-1)/(x+1)/(x^2+1)/(x^3+x+1)$  lgdogf

A152822 17.7610 [  $-(x^3+x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]

A152829 4.75631 [  $\{-a(n+5)+2*a(n+2), a(0) = 3, a(1) = 6, a(2) = 7, a(3) = 12, a(4) = 13\}$ , ogf]

A152829 7.48323  $2*(-3-7*x+x^6-7*x^4-14*x^3-18*x^2)/(2*x^3-1)/(x^4+6*x^3+7*x^2+6*x+3)$  lgdogf

A152829 8.04914 [  $-(x^4+6*x^3+7*x^2+6*x+3)/(2*x^3-1)$  ogf]

A152832 12.4728 [  $-(2*x^3-8*x^2+5*x-3)/(2*x^4-5*x^3+5*x-2)$  lgdogf]

A152832 14.7219 [  $-(2*x-1)*(x-2)/(x+1)/(x-1)^2$  ogf]

A152832 19.0153  $-(-3+5*x-8*x^2+2*x^3)/(x-1)/(x-2)/(2*x-1)/(x+1)$  lgdogf

A152832 8.01820 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = -2, a(1) = 3, a(2) = -1\}$ , ogf]

A152833 12.3019 [  $-(3*x^3-11*x^2+8*x-4)/(3*x^4-7*x^3+7*x-3)$  lgdogf]

A152833 14.7219 [  $-(3*x^2-7*x+3)/(x+1)/(x-1)^2$  ogf]

A152833 18.7091  $-(-4+8*x+3*x^3-11*x^2)/(x-1)/(x+1)/(3*x^2-7*x+3)$  lgdogf

A152833 8.01820 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = -3, a(1) = 4, a(2) = -2\}$ , ogf]

A152835 10.0560 [  $-(-22*x^3+68*x^2-65*x+23)/(-22*x^4+45*x^3-45*x+22)$  lgdogf]

A152835 12.5700 [  $-(22*x^2-45*x+22)/(x+1)/(x-1)^2$  ogf]

A152835 16.3876  $-( -23+65*x+22*x^3-68*x^2)/(x-1)/(x+1)/(22*x^2-45*x+22)$  lgdogf  
A152835 6.99549  $[ \{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = -22, a(1) = 23, a(2) = -21\},$  ogf]  
A152855 14.7375  $-(2+5*x^4+4*x^7+8*x^5+6*x^2)/(x-1)/(2*x^3+2*x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A152855 16.2414  $[ -(2*x^3+2*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A152856 6.56157  $-x*(8+4*x^7+12*x^5+6*x^6+20*x^3+16*x^2+9*x)/(-1+x)/(4*x^4+3*x^3+4*x^2+4)/(x^4+x^3+x^2+x+1)$  lgdogf  
A152856 8.98452  $[ -(4*x^4+3*x^3+4*x^2+4)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A152857 11.5792  $-(3+12*x^5+10*x^4)/(3*x+2)/(-1+x)/(x^4+x^3+x^2+x+1)$  lgdogf  
A152857 9.53551  $[ -x*(3*x+2)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A152881 10.7123  $[ -(-10*x^2-10*x-5)/(-2*x^3-3*x^2+x+1)$  lgdogf]  
A152881 10.8771  $[ -x*(2*x+1)/(x^2+x-1)^3$  ogf]  
A152881 20.4886  $-5*(1+2*x+2*x^2)/(2*x+1)/(x^2+x-1)$  lgdogf  
A152881 3.57076  $[ \{(-3-n)*a(n+4)+(3-n)*a(n+3)+(13+3*n)*a(n+2)+(10+2*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 15\},$  ogf]  
A152885 12.7999  $[ -(-5*x-1)/(-x^2+1)$  lgdegf]  
A152885 27.8603  $-(1+5*x)/(x-1)/(x+1)$  lgdegf  
A152885 3.39275  $[ \{(n^3+9*n^2+26*n+24)*a(n+1)+(n+3)*a(n+2)+(-1-n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\},$  ogf]  
A152885 9.88065  $[ -x^2/(x+1)^2/(x-1)^3$  egf]  
A152886 12.6638  $[ -(-5*x-1)/(-x^2+1)$  lgdegf]  
A152886 27.7105  $-(1+5*x)/(x-1)/(x+1)$  lgdegf  
A152886 3.29708  $[ \{(n^3+8*n^2+21*n+18)*a(n+1)+(n+3)*a(n+2)-n*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\},$  ogf]  
A152886 9.13452  $[ -x^3/(x+1)^2/(x-1)^3$  egf]  
A152887 12.9361  $[ -(-5*x-1)/(-x^2+1)$  lgdegf]  
A152887 28.0101  $-(5*x+1)/(x-1)/(x+1)$  lgdegf  
A152887 3.38803  $[ \{(n^3+10*n^2+31*n+30)*a(n+1)+(n+3)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 2\},$  ogf]  
A152887 9.98577  $[ -x/(x+1)^2/(x-1)^3$  egf]  
A152889 14.3041  $-x*(2*x^2+x+2)*(6*x^3-3*x^2-2*x+4)/(x-1)/(1+4*x^2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A152889 15.5132  $[ -(4*x^2+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A152889 9.56293  $[ -(-12*x^6-5*x^4-8*x)/(-4*x^7-x^5+4*x^2+1)$  lgdogf]  
A152890 5.52910  $-(1+8*x+x^8+12*x^6+4*x^5+20*x^4+4*x^3)/(-1+x)/(x^4+x^3+x^2+x+1)/(x^4+4*x^2+x+4)$  lgdogf  
A152890 7.17102  $[ -(x^4+4*x^2+x+4)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A152891 13.5340  $-( -9+23*x-15*x^2+3*x^3)/(x-2)/(x-1)/(x^2-3*x+1)$  lgdogf  
A152891 7.78295  $[ -(3*x^3-15*x^2+23*x-9)/(x^4-6*x^3+12*x^2-9*x+2)$  lgdogf]  
A152891 9.93823  $[ -x*(x-2)/(x^2-3*x+1)/(x-1)^2$  ogf]  
A152892 15.0156  $[ -x*(x^3+x+3)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A152892 15.4393  $-(1+15*x^4+2*x^7+4*x^5+3*x^2)/(x-1)/(x^3+x+3)/(x^4+x^3+x^2+x+1)$  lgdogf  
A152893 5.53271  $-(3+4*x^8+12*x^5+15*x^4+16*x^3)/(-1+x)/(x^4+x^3+x^2+x+1)/(4*x^4+3*x+3)$  lgdogf  
A152893 6.62649  $[ -(4*x^4+3*x+3)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A152894 7.26955  $[ -x^2*(4*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A152894 9.74453  $-(4+16*x^5+5*x^4)/(-1+x)/(4*x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A152895 13.6640  $-( -11+30*x+4*x^3-20*x^2)/(x-2)/(x-1)/(x^2-3*x+1)$  lgdogf  
A152895 7.92571  $[ -(4*x^3-20*x^2+30*x-11)/(x^4-6*x^3+12*x^2-9*x+2)$  lgdogf]  
A152895 8.87680  $[ x*(x-2)/(x^2-3*x+1)/(x-1)^3$  ogf]  
A152896 7.60120  $[ -x*(x^2-3*x+3)/(x^3-3*x^2+4*x-1)/(x-1)^2$  ogf]  
A152896 8.39519  $-( -15+55*x-74*x^2+52*x^3-19*x^4+3*x^5)/(x-1)/(x^2-3*x+3)/(x^3-3*x^2+4*x-1)$  lgdogf  
A152897 6.85761  $[ x*(x^2-3*x+3)/(x^3-3*x^2+4*x-1)/(x-1)^3$  ogf]  
A152897 8.39519  $-( -18+70*x-96*x^2+68*x^3-25*x^4+4*x^5)/(x-1)/(x^2-3*x+3)/(x^3-3*x^2+4*x-1)$  lgdogf  
A152898 10.1173  $[ -(16*x^5+5*x^4+4)/(4*x^6+x^5-4*x-1)$  lgdogf]  
A152898 17.0267  $[ -(4*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A152898 19.8506  $-(4+5*x^4+16*x^5)/(x-1)/(1+4*x)/(x^4+x^3+x^2+x+1)$  lgdogf

A152917 15.7037  $(-1-n)*a(n+2)-a(n+1), a(0)=0, a(1)=1$  revogf  
A152919 15.0695  $-2*(-1-3*x-2*x^3+2*x^4-2*x^2)/(x-1)/(x+1)/(x^5-x^4-x-1)$  lgdogf  
A152919 9.94114  $[(x^5-x^4-x-1)/(x+1)^2/(x-1)^3$  ogf]  
A152927 5.21469  $-(113+14*x+x^2)/(x+7)/(x^2+16*x-1)$  lgdogf  
A152928 10.5758  $[-(18*x^2-139*x+113)/(x-1)/(x^2-7*x+1)$  ogf]  
A152928 5.86559  $[{-a(n+3)+8*a(n+2)-8*a(n+1)+a(n), a(0) = 113, a(1) = 765, a(2) = 5234},$  ogf]  
A152929 11.3314  $[{-(-63*x^2-226*x-176)/(-63*x^3-176*x^2-50*x+113)}$  lgdogf]  
A152929 17.7053  $[-(63*x+113)/(x^2+x-1)$  ogf]  
A152929 9.88201  $[{-a(n+2)+a(n+1)+a(n), a(0) = 113, a(1) = 176},$  ogf]  
A152930 6.18821  $-(x+22)*(x-8)/(x+7)/(x^2-25*x+1)$  lgdogf  
A152933 5.12209  $1/18*(-18-67*x+(324+2376*x+4525*x^2)^(1/2))/(x-1)$  revogf  
A152933 6.60480  $-(3*x+7)*(3*x-19)/(x-2)/(9*x^2+67*x-1)$  lgdogf  
A152947 13.5364  $[-(2*x^2-2*x+1)/(x-1)^3$  ogf]  
A152947 13.7620  $[{-(-2*x^2-1)/(-2*x^3+4*x^2-3*x+1)}$  lgdogf]  
A152947 26.9921  $-(1+2*x^2)/(x-1)/(2*x^2-2*x+1)$  lgdogf  
A152947 7.37249  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 2},$  ogf]  
A152948 12.9019  $[{-(-3*x^2+2*x-2)/(-3*x^3+7*x^2-6*x+2)}$  lgdogf]  
A152948 13.5364  $[-(3*x^2-4*x+2)/(x-1)^3$  ogf]  
A152948 23.8166  $-(2-2*x+3*x^2)/(x-1)/(3*x^2-4*x+2)$  lgdogf  
A152948 7.37249  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 2, a(2) = 3},$  ogf]  
A152949 12.7034  $[{-(-4*x^2+4*x-3)/(-4*x^3+10*x^2-9*x+3)}$  lgdogf]  
A152949 13.5364  $[-(4*x^2-6*x+3)/(x-1)^3$  ogf]  
A152949 23.8166  $-(3-4*x+4*x^2)/(x-1)/(4*x^2-6*x+3)$  lgdogf  
A152949 7.37249  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 3, a(2) = 4},$  ogf]  
A152950 13.0888  $[{-(-3*x^2+4*x-4)/(-3*x^3+8*x^2-8*x+3)}$  lgdogf]  
A152950 13.7326  $[-(3*x^2-5*x+3)/(x-1)^3$  ogf]  
A152950 24.1685  $-(4-4*x+3*x^2)/(x-1)/(3*x^2-5*x+3)$  lgdogf  
A152950 7.47934  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 4, a(2) = 6},$  ogf]  
A152965 12.6774  $[ -2*x*(9*x+1)/(x-1)^3$  ogf]  
A152965 14.7057  $[{-(-18*x-12)/(-9*x^2+8*x+1)}$  lgdogf]  
A152965 30.1728  $-6*(2+3*x)/(9*x+1)/(x-1)$  lgdogf  
A152965 6.56506  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 24},$  ogf]  
A152966 6.83920  $[ 2*x*(9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/$   
 $(10*x^9-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A152994 12.1044  $[ -9*x*(3*x+1)/(x-1)^3$  ogf]  
A152994 14.6261  $[{-(-6*x-6)/(-3*x^2+2*x+1)}$  lgdogf]  
A152994 31.4155  $-6*(x+1)/(3*x+1)/(x-1)$  lgdogf  
A152994 6.26835  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 9, a(2) = 54},$  ogf]  
A152995 12.6133  $[ -2*x*(8*x+1)/(x-1)^3$  ogf]  
A152995 14.6315  $[{-(-16*x-11)/(-8*x^2+7*x+1)}$  lgdogf]  
A152995 30.0180  $-(11+16*x)/(8*x+1)/(x-1)$  lgdogf  
A152995 6.53190  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 22},$  ogf]  
A152996 12.2540  $[ -9*x*(2*x+1)/(x-1)^3$  ogf]  
A152996 14.8069  $[{-(-4*x-5)/(-2*x^2+x+1)}$  lgdogf]  
A152996 31.8064  $-(5+4*x)/(2*x+1)/(x-1)$  lgdogf  
A152996 6.34581  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 9, a(2) = 45},$  ogf]  
A152997 11.9382  $[ -2*x*(10*x+1)/(x-1)^3$  ogf]  
A152997 13.5767  $[{-(-20*x-13)/(-10*x^2+9*x+1)}$  lgdogf]  
A152997 27.2569  $-(13+20*x)/(10*x+1)/(x-1)$  lgdogf  
A152997 6.18226  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 26},$  ogf]  
A153010 11.6099  $[ x*(2*x^3-x^2-x+1)/(2*x-1)/(x-1)$  ogf]

A153010 6.03713 [ $\{-a(n+5)+3a(n+4)-2a(n+3), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 7\}$ , ogf]  
A153010 7.70042 [ $-(4x^4-12x^3+11x^2-6x+2)/(-4x^5+8x^4-3x^3-4x^2+4x-1)$  lgdogf]  
A153026 12.8327 [ $(-19-33x+11x^2+2x^4-9x^3)/(x-1)/(x+1)/(x^3-4x^2+5x-8)$  lgdogf]  
A153026 7.89064 [ $-(2x^4-9x^3+11x^2-33x-19)/(x^5-4x^4+4x^3-4x^2-5x+8)$  lgdogf]  
A153026 8.77722 [ $-x(x^3-4x^2+5x-8)/(x+1)/(x-1)^4$  ogf]  
A153037 11.9968 [ $(-9x^2+38x-41)/(-9x^3+37x^2-51x+23)$  lgdogf]  
A153037 13.1394 [ $-(9x^2-28x+23)/(x-1)^3$  ogf]  
A153037 7.19810 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 23, a(1) = 41, a(2) = 63\}$ , ogf]  
A153037 8.73529 [ $(41-38x-560x^6+1536x^7-1408x^8+432x^9+9x^2)/(x-1)/(72x^9-152x^8+80x^7-9x^2+28x-23)$  lgdogf]  
A153056 10.0624 [ $-(2x^3-7x^2+5x-2)/(x-1)^4$  ogf]  
A153056 16.8836 [ $(-3+x-8x^2+2x^3)/(x-1)/(2x^3-7x^2+5x-2)$  lgdogf]  
A153056 3.93303 [ $\{(505n^2+2969n+3918)a(n+1)+(-866n^2-3922n-3750)a(n+2)+(361n^2+1385n+906)a(n+3), a(0) = 2, a(1) = 3, a(2) = 7\}$ , ogf]  
A153056 9.56552 [ $(-2x^3+8x^2-x+3)/(-2x^4+9x^3-12x^2+7x-2)$  lgdogf]  
A153057 15.5054 [ $(-4+4x-11x^2+3x^3)/(x-1)/(3x^3-10x^2+8x-3)$  lgdogf]  
A153057 3.87404 [ $\{(1081n^2+6395n+8466)a(n+1)+(-1946n^2-9118n-9180)a(n+2)+(865n^2+3371n+2328)a(n+3), a(0) = 3, a(1) = 4, a(2) = 8\}$ , ogf]  
A153057 9.22389 [ $(-3x^3+11x^2-4x+4)/(-3x^4+13x^3-18x^2+11x-3)$  lgdogf]  
A153057 9.93342 [ $(-3x^3-10x^2+8x-3)/(x-1)^4$  ogf]  
A153058 15.1952 [ $(-5+7x-14x^2+4x^3)/(x-1)/(4x^3-13x^2+11x-4)$  lgdogf]  
A153058 3.77955 [ $\{(1873n^2+11117n+14742)a(n+1)+(-3458n^2-16474n-16986)a(n+2)+(1585n^2+6221n+4398)a(n+3), a(0) = 4, a(1) = 5, a(2) = 9\}$ , ogf]  
A153058 9.22389 [ $(-4x^3+14x^2-7x+5)/(-4x^4+17x^3-24x^2+15x-4)$  lgdogf]  
A153058 9.80768 [ $(-4x^3-13x^2+11x-4)/(x-1)^4$  ogf]  
A153079 13.6794 [ $-3(9x-1)/(13x-1)/(x-1)$  ogf]  
A153079 13.7198 [ $-1/2(-3-14x+(9-24x+144x^2)^{1/2})/(27+13x)$  revogf]  
A153079 16.1208 [ $(5-26x+117x^2)/(x-1)/(13x-1)/(9x-1)$  lgdogf]  
A153079 7.72482 [ $\{a(n+2)-14a(n+1)+13a(n), a(0) = 3, a(1) = 15\}$ , ogf]  
A153079 9.11958 [ $(-117x^2+26x-5)/(-117x^3+139x^2-23x+1)$  lgdogf]  
A153080 10.0926 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 2, a(1) = 15\}$ , ogf]  
A153080 16.4252 [ $(-11x-15)/(-11x^2+9x+2)$  lgdogf]  
A153080 18.2106 [ $(11x+2)/(x-1)^2$  ogf]  
A153080 27.3910 [ $(-1-x+(1+13x)^{1/2})/(-11+x)$  revogf]  
A153080 32.8692 [ $(15+11x)/(11x+2)/(x-1)$  lgdogf]  
A153110 11.7638 [ $(-2x+1)^3/(x-1)/(x+1)/(x^2+x+1)$  ogf]  
A153110 14.3833 [ $(5+4x+4x^3+2x^4+3x^2)/(x-1)/(1+2x)/(x+1)/(x^2+x+1)$  lgdogf]  
A153111 13.6117 [ $(x-1)/(x^2-26x+1)$  ogf]  
A153111 14.2978 [ $-1/2(-1-26x+(1+48x+672x^2)^{1/2})/(1+x)$  revogf]  
A153111 19.2127 [ $(25-2x+x^2)/(x-1)/(x^2-26x+1)$  lgdogf]  
A153111 7.45404 [ $\{a(n+2)-26a(n+1)+a(n), a(0) = 1, a(1) = 25\}$ , ogf]  
A153111 9.34536 [ $(-x^2+2x-25)/(-x^3+27x^2-27x+1)$  lgdogf]  
A153122 12.1971 [ $-1/(x^5-2x^4+x^3+2x^2-2x-1)$  ogf]  
A153122 12.3594 [ $(-2+4x+5x^4-8x^3+3x^2)/(2x^2-1-2x-2x^4+x^3+x^5)$  lgdogf]  
A153122 6.73382 [ $(5x^4-8x^3+3x^2+4x-2)/(x^5-2x^4+x^3+2x^2-2x-1)$  lgdogf]  
A153126 11.7179 [ $(x^3-6x^2-4x-1)/(x+1)/(x-1)^3$  ogf]  
A153126 13.6747 [ $(-6-24x-21x^2+x^4-10x^3)/(x-1)/(x+1)/(x^3-6x^2-4x-1)$  lgdogf]  
A153126 8.16699 [ $(-x^4+10x^3+21x^2+24x+6)/(-x^5+6x^4+5x^3-5x^2-4x-1)$  lgdogf]  
A153127 11.7151 [ $(-x^2+28x+33)/(-x^3+16x^2-9x-6)$  lgdogf]  
A153127 12.6599 [ $(x^2-15x-6)/(x-1)^3$  ogf]  
A153127 22.6459 [ $(-33-28x+x^2)/(x-1)/(x^2-15x-6)$  lgdogf]  
A153127 6.88518 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 6, a(1) = 33, a(2) = 80\}$ , ogf]  
A153130 13.0735 [ $(2+4x+5x^6+4x^5+x^4-8x^3+10x^2)/(x-1)/(x+1)/(x^2-x+1)/$

$(5x^3+2x^2+x+1)$  lgdogf  
A153130 14.8607 [  $-(5x^3+2x^2+x+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A153169 13.7438  $-(43-22x+3x^2)/(-1+x)/(3x^2-14x+19)$  lgdogf  
A153169 4.78358 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 19, a(1) = 43, a(2) = 75\}$ , ogf]  
A153169 7.97264 [  $(-(-3x^2+22x-43)/(-3x^3+17x^2-33x+19))$  lgdogf]  
A153169 8.73194 [  $(-3x^2-14x+19)/(x-1)^3$  ogf]  
A153171 6.27771 [  $6*(x^4+2x^3+x^2+2x+1)/(x-1)^2/(x^2+x+1)^3$  ogf]  
A153173 5.76869 [  $-(x^4+6x^3-29x^2-14x+11)/(x-1)/(x^2+3x+1)/(x^2-7x+1)$  ogf]  
A153175 3.83156 [  $-(x^6+16x^5-200x^4-290x^3+550x^2+96x-29)/(x+1)/(x^2+7x+1)/(x^2-3x+1)/(x^2-18x+1)$  ogf]  
A153186 6.48113 [  $-(x^8+x^7+x^6+7x^5+4x^4+7x^3+4x^2+7x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A153191 11.9218 [  $(-(-12x-9)/(-6x^2-9x+1))$  lgdogf]  
A153191 15.1363  $1/12/x*(-1-9x+(1+18x+105x^2)^{1/2})$  revogf  
A153191 15.7883 [  $-x/(6x^2+9x-1)$  ogf]  
A153191 23.9658  $-3*(4x+3)/(6x^2-1+9x)$  lgdogf  
A153191 7.21194 [  $\{-a(n+2)+9a(n+1)+6a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A153192 8.26536 [  $(-(-3x^3-9x^2-29x-7)/(-x^4-2x^3-4x^2+2x+5))$  lgdogf]  
A153192 8.69473 [  $-(x^2+2x+5)/(x+1)^2/(x-1)^3$  ogf]  
A153194 7.86595 [  $-(4x^4+x^3+2x^2+x+10)/(x+1)^2/(x^2+1)^2/(x-1)^3$  ogf]  
A153229 5.65789 [  $\{(-n-2)*a(n+1)+(-n-1)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 0\}$ , ogf]  
A153231 12.1256 [hypergeom([1/3, 2/3],[3/2],27/2\*x) ogf]  
A153231 30.0481  $1/2*(1+(1-8x)^{1/2})*x$  revogf  
A153231 5.67165 [  $\{(-27n^2-81n-60)*a(n+1)+(2n^2+9n+10)*a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A153232 10.6258 [  $-1/2*(1+(8x^2-8x+1)^{1/2})/(x-1)*x$  revogf]  
A153232 20.9033  $-1/2*(1+(1+8x^2-8x)^{1/2})/(x-1)*x$  revogf  
A153234 14.2472  $(-3+4x+10x^4-12x^3+3x^2)/(-1+x)/(2x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A153234 14.9971 [  $x^4/(x-1)/(2x-1)/(x+1)/(x^2-x+1)$  ogf]  
A153234 8.72280 [  $(-(-10x^4+12x^3-3x^2-4x+3)/(-2x^5+3x^4-x^3-2x^2+3x-1))$  lgdogf]  
A153237 11.1926 [  $9x^4/(x-1)/(2x-1)/(x+1)/(x^2-x+1)$  ogf]  
A153237 11.5720  $(-3+4x+10x^4-12x^3+3x^2)/(x-1)/(2x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A153237 6.96685 [  $(-(-10x^4+12x^3-3x^2-4x+3)/(-2x^5+3x^4-x^3-2x^2+3x-1))$  lgdogf]  
A153257 17.1576  $(-3+13x+13x^2+x^3)/(x-1)/(x^3+5x^2+x-1)$  lgdogf  
A153257 3.96505 [  $\{(-127n^2-535n-562)*a(n+1)+(82n^2-64n-30)*a(n+2)+(45n^2+83n-156)*a(n+3), a(0) = -1, a(1) = -3, a(2) = -1\}$ , ogf]  
A153257 9.04226 [  $(-x^3+13x^2+13x-3)/(x^4+4x^3-4x^2-2x+1)$  lgdogf]  
A153257 9.62942 [  $(x^3+5x^2+x-1)/(x-1)^4$  ogf]  
A153258 10.6924 [  $2*(x^3+4x-2)/(x-1)^4$  ogf]  
A153258 19.3181  $(-4+12x+3x^2+x^3)/(x-1)/(x^3+4x-2)$  lgdogf  
A153258 3.92434 [  $\{(-43n^2-261n-350)*a(n+1)+(98n^2+470n+344)*a(n+2)+(-55n^2-173n-24)*a(n+3), a(0) = -4, a(1) = -8, a(2) = -8\}$ , ogf]  
A153258 9.10835 [  $(-x^3-3x^2-12x+4)/(-x^4+x^3-4x^2+6x-2)$  lgdogf]  
A153259 12.3950  $(-143+281x+37x^3-151x^2)/(x-1)/(37x^3-131x^2+181x-81)$  lgdogf  
A153259 7.44281 [  $(-(-37x^3+151x^2-281x+143)/(-37x^4+168x^3-312x^2+262x-81))$  lgdogf]  
A153259 8.51888 [  $(37x^3-131x^2+181x-81)/(x-1)^4$  ogf]  
A153260 13.3722  $(-47+101x+13x^3-43x^2)/(x-1)/(13x^3-41x^2+61x-27)$  lgdogf  
A153260 8.10743 [  $(-(-13x^3+43x^2-101x+47)/(-13x^4+54x^3-102x^2+88x-27))$  lgdogf]  
A153260 9.10835 [  $(13x^3-41x^2+61x-27)/(x-1)^4$  ogf]  
A153263 12.2690  $(-5+18x+19x^2+10x^3+3x^4)/(x+1)/(3x^2+5x+3)/(x^2+x-1)$  lgdogf  
A153263 12.9510 [  $(-3x^2+5x+3)/(x+1)/(x^2+x-1)$  ogf]

A153263 7.30896  $[-(3*x^4+10*x^3+19*x^2+18*x+5)/(3*x^5+11*x^4+13*x^3+3*x^2-5*x-3)$   
lgdogf]  
A153263 7.85324  $[ \{a(n+3)-2*a(n+1)-a(n), a(0) = 3, a(1) = 5, a(2) = 9\},$  ogf]  
A153265 7.33568  $-(1-20*x+16*x^6-80*x^5+56*x^4-80*x^3+41*x^2)/(x^2-x+1)/$   
 $(1+4*x^2)/(4*x^3-10*x^2+3*x-4)$  lgdogf  
A153265 7.48864  $[ -(4*x^3-10*x^2+3*x-4)/(x^2-x+1)/(4*x^2+1)$  ogf]  
A153266 10.1122  $-(-19+286*x-222*x^2+48*x^3)/(6*x-13)/(4*x+1)/(x^2-3*x+1)$  lgdogf  
A153266 4.68388  $[ \{a(n+3)+a(n+2)-11*a(n+1)+4*a(n), a(0) = 13, a(1) = -19, a(2) =$   
 $162\},$  ogf]  
A153266 9.96389  $[ -(6*x-13)/(4*x+1)/(x^2-3*x+1)$  ogf]  
A153267 5.16950  $[ \{-a(n+3)-a(n+2)+11*a(n+1)-4*a(n), a(0) = -5, a(1) = 39, a(2) =$   
 $-110\},$  ogf]  
A153267 8.87570  $-(39-142*x+418*x^2-272*x^3+64*x^4)/(4*x+1)/(x^2-3*x+1)/$   
 $(16*x^2-34*x+5)$  lgdogf  
A153267 9.36972  $[ -(16*x^2-34*x+5)/(4*x+1)/(x^2-3*x+1)$  ogf]  
A153284 12.3987  $[ -(2*x^2+x+1)/(x-1)/(x+1)$  ogf]  
A153284 15.9606  $-(1+6*x+x^2)/(-1+x)/(x+1)/(x+2*x^2+1)$  lgdogf  
A153284 7.23257  $[ \{-a(n+3)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 3\},$  ogf]  
A153285 11.8258  $[ (2*x^4+x^3+9*x^2+3*x+1)/(x-1)^2/(x+1)^2$  ogf]  
A153285 13.4419  $-(3+22*x+12*x^2+x^4+26*x^3)/(x-1)/(x+1)/(2*x^4+x^3+9*x^2+3*x+1)$   
lgdogf  
A153286 8.07012  $[ -(2*x^6+x^5+39*x^4+16*x^3+30*x^2+7*x+1)/(x-1)^3/(x+1)^3$  ogf]  
A153286 8.51382  $-(7+66*x+90*x^5+53*x^4+276*x^3+83*x^2+x^6)/(x-1)/(x+1)/$   
 $(2*x^6+x^5+39*x^4+16*x^3+30*x^2+7*x+1)$  lgdogf  
A153315 12.8755  $[ -(x^2-8*x-1)/(x^2+4*x-1)/(x^2-4*x-1)$  ogf]  
A153316 11.3636  $[ -(x^3-x^2-9*x-1)/(x^2+4*x-1)/(x^2-4*x-1)$  ogf]  
A153316 6.39735  $-(9+38*x+x^6-2*x^5-9*x^4-4*x^3+159*x^2)/(x^2+4*x-1)/(x^2-4*x-1)/$   
 $(x^3-x^2-9*x-1)$  lgdogf  
A153317 7.62975  $-2*(5+21*x-15*x^4-2*x^3+x^5+110*x^2)/(x^2-10*x-1)/(x^4-22*x^2+1)$   
lgdogf  
A153317 8.47944  $[ -(x^2-10*x-1)/(x^4-22*x^2+1)$  ogf]  
A153318 6.68910  $-(11+46*x-11*x^4-4*x^3+x^6-2*x^5+239*x^2)/(x^3-x^2-11*x-1)/$   
 $(x^4-22*x^2+1)$  lgdogf  
A153318 7.46697  $[ -(x^3-x^2-11*x-1)/(x^4-22*x^2+1)$  ogf]  
A153336 8.99631  $-4*(16*x^2-8*x+9+(-(4*x-1)*(1+4*x)^2)^{(1/2)})/(16*x^2-8*x+5)/$   
 $(4*x-1)$  lgdogf  
A153338 3.95491  $[ \{(-16*n^2-88*n-120)*a(n+1)+(8*n^2+42*n+52)*a(n+2)+(-$   
 $n^2-5*n-6)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 18\},$  ogf]  
A153338 8.57690  $[ (-1/2*(20*x-1)/(-1+4*x)^{(1/2)}+1/2*I)/(-1+4*x)^{(1/2)}/x$  lgdogf]  
A153339 14.4653  $[ (x^2-4*x-3)/(3*x^2-1)$  ogf]  
A153339 18.7755  $4*(x+1)*(3*x+1)/(3*x^2-1)/(x^2-4*x-3)$  lgdogf  
A153339 8.43807  $[ \{-a(n+3)+3*a(n+1), a(0) = 3, a(1) = 4, a(2) = 8\},$  ogf]  
A153339 9.32629  $[ -(12*x^2+16*x+4)/(-3*x^4+12*x^3+10*x^2-4*x-3)$  lgdogf]  
A153340 8.87568  $-(7+12*x-15*x^2-24*x^3+9*x^4+12*x^5+2*x^6)/(x-1)/$   
 $(2*x^3+6*x^2-3*x-4)/(x^3+3*x^2-1)$  lgdogf  
A153340 9.50856  $[ -2*(2*x^3+6*x^2-3*x-4)/(x-1)/(x^3+3*x^2-1)$  ogf]  
A153349 10.0276  $-(7-6*x+17*x^2-12*x^4+30*x^5-13*x^6+12*x^7+x^8)/(x-1)/(x^2+x+1)/$   
 $(x^2-x+1)/(x^4+6*x^3-2*x^2+6*x+1)$  lgdogf  
A153349 10.6591  $[ -(x^4+6*x^3-2*x^2+6*x+1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A153360 6.55294  $-(x+1)*(3*x^7-15*x^6+6*x^5+58*x^4-18*x^3-42*x^2+7*x+9)/$   
 $(3*x^4-6*x^3-12*x^2+4*x+5)/(x^5-3*x^4-3*x^3+4*x^2+x-1)$  lgdogf  
A153360 7.58340  $[ -2*(3*x^4-6*x^3-12*x^2+4*x+5)/(x^5-3*x^4-3*x^3+4*x^2+x-1)$  ogf]  
A153361 6.11619  $[ -2*(3*x^5+12*x^4-12*x^3-20*x^2+5*x+6)/$   
 $(x^6+3*x^5-6*x^4-4*x^3+5*x^2+x-1)$  ogf]  
A153362 8.10581  $4*(2*x+1)*(x+1)*(15*x^4-5*x^3-15*x^2+3*x+4)/(5*x^4-5*x^2+1)/$   
 $(x^4-24*x^3-15*x^2+16*x+9)$  lgdogf  
A153362 9.35311  $[ (x^4-24*x^3-15*x^2+16*x+9)/(5*x^4-5*x^2+1)$  ogf]  
A153363 8.66435  $4*(2+8*x+20*x^5+15*x^6-24*x^3-15*x^4+x^2)/(5*x^4-5*x^2+1)/$   
 $(x^4-12*x^3-9*x^2+8*x+5)$  lgdogf  
A153363 9.78838  $[ (x^4-12*x^3-9*x^2+8*x+5)/(5*x^4-5*x^2+1)$  ogf]  
A153364 10.9748  $[ -2*(2*x+1)*(3*x^2-2)/(5*x^4-5*x^2+1)$  ogf]

A153364 9.34838  $-2*(2+7*x+15*x^5+15*x^6-20*x^3-15*x^4+x^2)/(2*x+1)/(3*x^2-2)/(5*x^4-5*x^2+1)$  lgdogf  
A153365 13.6326  $[-4*(3*x-2)/(5*x^2-5*x+1)$  ogf]  
A153365 13.9672  $-1/2*(-8-5*x+(64+32*x+5*x^2)^(1/2))/(12+5*x)$  revogf  
A153365 16.1725  $-(7-20*x+15*x^2)/(3*x-2)/(5*x^2-5*x+1)$  lgdogf  
A153365 7.55540  $[{a(n+2)-5*a(n+1)+5*a(n), a(0) = 8, a(1) = 28},$  ogf]  
A153365 9.08838  $[-(15*x^2+20*x-7)/(-15*x^3+25*x^2-13*x+2)$  lgdogf]  
A153366 12.4124  $[(x^2-9*x+5)/(5*x^2-5*x+1)$  ogf]  
A153366 15.7352  $8*(2-6*x+5*x^2)/(5*x^2-5*x+1)/(x^2-9*x+5)$  lgdogf  
A153366 6.32554  $[{a(n+3)-5*a(n+2)+5*a(n+1), a(0) = 5, a(1) = 16, a(2) = 56},$  ogf]  
A153366 8.43405  $[-(40*x^2-48*x+16)/(-5*x^4+50*x^3-71*x^2+34*x-5)$  lgdogf]  
A153367 14.6190  $[-2*(3*x-2)/(5*x^2-5*x+1)$  ogf]  
A153367 15.0034  $-1/2*(-4-5*x+(16+16*x+5*x^2)^(1/2))/(6+5*x)$  revogf  
A153367 16.9775  $-(7-20*x+15*x^2)/(3*x-2)/(5*x^2-5*x+1)$  lgdogf  
A153367 7.92598  $[{a(n+2)-5*a(n+1)+5*a(n), a(0) = 4, a(1) = 14},$  ogf]  
A153367 9.53414  $[-(15*x^2+20*x-7)/(-15*x^3+25*x^2-13*x+2)$  lgdogf]  
A153368 5.37045  $-4*(1+2*x)*(3*x^9+3*x^8-24*x^7-16*x^6+60*x^5+36*x^4-42*x^3-24*x^2+9*x+5)/(2*x^2-1)/(12*x^5+9*x^4-48*x^3-28*x^2+20*x+11)/(x^4-4*x^2+1)$  lgdogf  
A153368 7.74474  $[-(12*x^5+9*x^4-48*x^3-28*x^2+20*x+11)/(2*x^2-1)/(x^4-4*x^2+1)$  ogf]  
A153369 5.73075  $-(x+1)*(6*x^9+6*x^8-51*x^7-13*x^6+117*x^5+27*x^4-75*x^3-21*x^2+15*x+5)/(2*x^2-1)/(3*x^5+3*x^4-12*x^3-8*x^2+5*x+3)/(x^4-4*x^2+1)$  lgdogf  
A153369 8.06161  $[-2*(3*x^5+3*x^4-12*x^3-8*x^2+5*x+3)/(2*x^2-1)/(x^4-4*x^2+1)$  ogf]  
A153370 5.91712  $-2*(5+18*x-6*x^2-84*x^3-48*x^4+120*x^5+104*x^6-48*x^7-45*x^8+6*x^9+6*x^10)/(2*x+1)/(2*x^2-1)/(x^4-4*x^2+1)/(3*x^4-12*x^2+5)$  lgdogf  
A153370 8.06161  $[-(2*x+1)*(3*x^4-12*x^2+5)/(2*x^2-1)/(x^4-4*x^2+1)$  ogf]  
A153371 10.1530  $[-2*(3*x^2-12*x+5)/(2*x-1)/(x^2-4*x+1)$  ogf]  
A153371 5.51414  $[{-a(n+3)+6*a(n+2)-9*a(n+1)+2*a(n), a(0) = 10, a(1) = 36, a(2) = 132},$  ogf]  
A153371 9.95394  $-6*(3-14*x+20*x^2-8*x^3+x^4)/(2*x-1)/(x^2-4*x+1)/(3*x^2-12*x+5)$  lgdogf  
A153372 5.41835  $[{-a(n+3)+6*a(n+2)-9*a(n+1)+2*a(n), a(0) = 6, a(1) = 20, a(2) = 72},$  ogf]  
A153372 9.16893  $-2*(5-24*x+36*x^2-16*x^3+3*x^4)/(-1+2*x)/(3*x^2-8*x+3)/(1-4*x+x^2)$  lgdogf  
A153372 9.96277  $[-2*(3*x^2-8*x+3)/(2*x-1)/(x^2-4*x+1)$  ogf]  
A153373 5.41835  $[{-a(n+3)+6*a(n+2)-9*a(n+1)+2*a(n), a(0) = 5, a(1) = 18, a(2) = 66},$  ogf]  
A153373 9.45546  $-6*(3-14*x+20*x^2-8*x^3+x^4)/(-1+2*x)/(1-4*x+x^2)/(3*x^2-12*x+5)$  lgdogf  
A153373 9.96277  $[-(3*x^2-12*x+5)/(2*x-1)/(x^2-4*x+1)$  ogf]  
A153382 10.3088  $[-2*x*(4*x^2-x-4)/(x-1)/(x+1)/(x^2+x-1)$  ogf]  
A153382 11.4121  $-(5+8*x-6*x^2-18*x^3+x^4+8*x^5)/(x-1)/(x+1)/(x^2+x-1)/(4*x^2-x-4)$  lgdogf  
A153388 10.6431  $-(2*x-3)*(2*x^3-4*x^2+6*x-3)/(x-1)/(4*x^2-7*x+4)/(x^2-3*x+1)$  lgdogf  
A153388 12.2001  $[-2*(4*x^2-7*x+4)/(x-1)/(x^2-3*x+1)$  ogf]  
A153388 6.63517  $[{a(n+3)-4*a(n+2)+4*a(n+1)-a(n), a(0) = 8, a(1) = 18, a(2) = 48},$  ogf]  
A153388 7.34378  $[-(4*x^4-14*x^3+24*x^2-24*x+9)/(4*x^5-23*x^4+48*x^3-48*x^2+23*x-4)$  lgdogf]  
A153435 10.3745  $-2*(-50-x+150*x^2)/(x-1)/(100*x-1)/(x+1)$  lgdogf  
A153435 3.39936  $[{a(n+3)-100*a(n+2)-a(n+1)+100*a(n), a(0) = 11, a(1) = 1100, a(2) = 110011},$  ogf]  
A153435 9.23739  $[11/(x-1)/(100*x-1)/(x+1)$  ogf]  
A153448 12.2540  $[-3*x*(9*x+1)/(x-1)^3$  ogf]



A153448 14.2146  $[-(-18*x-12)/(-9*x^2+8*x+1) \text{ lgdogf}]$   
A153448 29.1558  $-6*(2+3*x)/(9*x+1)/(x-1) \text{ lgdogf}$   
A153448 6.34581  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 36\}, \text{ ogf}]$   
A153449 11.8992  $[ -11*x*(2*x+1)/(x-1)^3 \text{ ogf}]$   
A153449 14.6261  $[-(-4*x-5)/(-2*x^2+x+1) \text{ lgdogf}]$   
A153449 31.4155  $-(5+4*x)/(2*x+1)/(x-1) \text{ lgdogf}$   
A153449 6.21288  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 11, a(2) = 55\}, \text{ ogf}]$   
A153465 10.4919  $[-(-56*x^2+136*x-71)/(-56*x^3+138*x^2-99*x+17) \text{ lgdogf}]$   
A153465 16.2960  $[ -2*(14*x-17)/(4*x-1)/(x-1) \text{ ogf}]$   
A153465 16.7377  $-1/8*(-34-5*x+(1156+228*x+9*x^2)^{(1/2)})/(7+x) \text{ revogf}$   
A153465 17.5162  $-(71-136*x+56*x^2)/(x-1)/(14*x-17)/(-1+4*x) \text{ lgdogf}$   
A153465 9.01071  $[ \{-a(n+2)+5*a(n+1)-4*a(n), a(0) = 34, a(1) = 142\}, \text{ ogf}]$   
A153466 10.9735  $[ -2*(44*x^2-159*x+116)/(x-1)/(x^2-3*x+1) \text{ ogf}]$   
A153466 6.08612  $[ \{a(n+3)-4*a(n+2)+4*a(n+1)-a(n), a(0) = 232, a(1) = 610, a(2) = 1600\}, \text{ ogf}]$   
A153466 9.88017  $-(305-840*x+44*x^4-318*x^3+808*x^2)/(x-1)/(x^2-3*x+1)/(44*x^2-159*x+116) \text{ lgdogf}$   
A153497 6.03538  $[ (32*x^5-24*x^4+16*x^3+2*x+1)/(4*x-1)/(x-1)/(2*x^2+1)/(8*x^2+1) \text{ ogf}]$   
A153499 5.39226  $[ -(64*x^6-80*x^5+16*x^4-20*x^3-6*x^2-1)/(4*x-1)/(x-1)/(2*x^2+1)/(8*x^2+1) \text{ ogf}]$   
A153500 4.06207  $[ -(1000000*x^6-1010000*x^5+10000*x^4-10100*x^3-910*x^2-1)/(100*x-1)/(x-1)/(10*x^2+1)/(1000*x^2+1) \text{ ogf}]$   
A153509 11.4755  $[ -3*(x^3+2)/(x-1)/(x^6+x^3+1) \text{ ogf}]$   
A153509 14.3041  $-(2-3*x^2+6*x^3-12*x^5+15*x^6-3*x^8+4*x^9)/(x-1)/(x^3+2)/(x^6+x^3+1) \text{ lgdogf}$   
A153511 16.0229  $[ 8/(-8*x+1) \text{ lgdegf}]$   
A153511 17.9456  $[ -4/(8*x-1) \text{ egf}]$   
A153511 39.8258  $-8/(-1+8*x) \text{ lgdegf}$   
A153511 4.98489  $[ \{(-8*n-16)*a(n+1)+a(n+2), a(0) = 4, a(1) = 32\}, \text{ ogf}]$   
A153593 10.4708  $[-(158*x-18)/(79*x^2-18*x+1) \text{ lgdogf}]$   
A153593 13.9331  $-1/158*(-18*x-1+(8*x^2+36*x+1)^{(1/2)})/x \text{ revogf}$   
A153593 15.8557  $[ 1/(79*x^2-18*x+1) \text{ ogf}]$   
A153593 19.4068  $-2*(-9+79*x)/(79*x^2+1-18*x) \text{ lgdogf}$   
A153593 6.52884  $[ \{-a(n+2)+18*a(n+1)-79*a(n), a(0) = 1, a(1) = 18\}, \text{ ogf}]$   
A153594 13.4151  $[-(26*x-8)/(13*x^2-8*x+1) \text{ lgdogf}]$   
A153594 15.6232  $-1/26*(-1-8*x+(1+16*x+12*x^2)^{(1/2)})/x \text{ revogf}$   
A153594 19.7281  $[ 1/(13*x^2-8*x+1) \text{ ogf}]$   
A153594 21.9882  $-2*(-4+13*x)/(13*x^2+1-8*x) \text{ lgdogf}$   
A153594 8.08140  $[ \{-a(n+2)+8*a(n+1)-13*a(n), a(0) = 1, a(1) = 8\}, \text{ ogf}]$   
A153596 12.5879  $[-(44*x-10)/(22*x^2-10*x+1) \text{ lgdogf}]$   
A153596 14.8250  $-1/44*(-1-10*x+(1+20*x+12*x^2)^{(1/2)})/x \text{ revogf}$   
A153596 18.7021  $[ 1/(22*x^2-10*x+1) \text{ ogf}]$   
A153596 20.6491  $-2*(-5+22*x)/(22*x^2+1-10*x) \text{ lgdogf}$   
A153596 7.70085  $[ \{-a(n+2)+10*a(n+1)-22*a(n), a(0) = 1, a(1) = 10\}, \text{ ogf}]$   
A153597 12.0405  $[-(66*x-12)/(33*x^2-12*x+1) \text{ lgdogf}]$   
A153597 15.7468  $-1/66*(-1-12*x+(1+24*x+12*x^2)^{(1/2)})/x \text{ revogf}$   
A153597 17.8888  $[ 1/(33*x^2-12*x+1) \text{ ogf}]$   
A153597 21.9330  $-6*(-2+11*x)/(33*x^2+1-12*x) \text{ lgdogf}$   
A153597 7.36598  $[ \{-a(n+2)+12*a(n+1)-33*a(n), a(0) = 1, a(1) = 12\}, \text{ ogf}]$   
A153598 12.6742  $[-(92*x-14)/(46*x^2-14*x+1) \text{ lgdogf}]$   
A153598 14.7977  $-1/92*(-1-14*x+(1+28*x+12*x^2)^{(1/2)})/x \text{ revogf}$   
A153598 18.8303  $[ 1/(46*x^2-14*x+1) \text{ ogf}]$   
A153598 20.6111  $-2*(-7+46*x)/(46*x^2+1-14*x) \text{ lgdogf}$   
A153598 7.75366  $[ \{-a(n+2)+14*a(n+1)-46*a(n), a(0) = 1, a(1) = 14\}, \text{ ogf}]$   
A153599 13.1699  $[-(122*x-16)/(61*x^2-16*x+1) \text{ lgdogf}]$   
A153599 13.5847  $-1/122*(-1-16*x+(1+32*x+12*x^2)^{(1/2)})/x \text{ revogf}$   
A153599 19.4068  $-2*(-8+61*x)/(61*x^2+1-16*x) \text{ lgdogf}$   
A153599 19.9430  $[ 1/(61*x^2-16*x+1) \text{ ogf}]$

A153599 8.21182 [ $\{-a(n+2)+16*a(n+1)-61*a(n), a(0) = 1, a(1) = 16\}$ , ogf]  
A153600 13.3395 [ $-(156*x-18)/(78*x^2-18*x+1)$  lgdogf]  
A153600 13.6570  $-1/156*(-18*x-1+(12*x^2+36*x+1)^{(1/2)})/x$  revogf  
A153600 19.5100  $-6*(-3+26*x)/(78*x^2+1-18*x)$  lgdogf  
A153600 20.1998 [ $1/(78*x^2-18*x+1)$  ogf]  
A153600 8.31755 [ $\{-a(n+2)+18*a(n+1)-78*a(n), a(0) = 1, a(1) = 18\}$ , ogf]  
A153642 11.9238 [ $-(2*x^2-14*x+18)/(2*x^3-11*x^2+18*x-9)$  lgdogf]  
A153642 12.8701 [ $-4*(2*x-3)*(x-3)/(x-1)^3$  ogf]  
A153642 23.3998  $-2*(9-7*x+x^2)/(x-1)/(x-3)/(2*x-3)$  lgdogf  
A153642 6.98982 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 36, a(1) = 72, a(2) = 116\}$ , ogf]  
A153643 12.8226 [ $-(5*x^2+x-2)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A153643 13.0162  $-(3-6*x+10*x^4+4*x^3-3*x^2)/(x-1)/(2*x-1)/(x+1)/(5*x^2+x-2)$  lgdogf  
A153643 6.98372 [ $\{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 2, a(1) = 3, a(2) = 3\}$ , ogf]  
A153643 7.90078 [ $-(-10*x^4-4*x^3+3*x^2+6*x-3)/(-10*x^5+3*x^4+15*x^3-5*x^2-5*x+2)$  lgdogf]  
A153644 11.8062 [ $-(5*x^2-34*x+41)/(5*x^3-27*x^2+43*x-21)$  lgdogf]  
A153644 12.7285 [ $-2*(5*x-7)*(x-3)/(x-1)^3$  ogf]  
A153644 17.0516  $-(41-34*x+5*x^2)/(x-1)/(x-3)/(5*x-7)$  lgdogf  
A153644 7.02263 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 42, a(1) = 82, a(2) = 130\}$ , ogf]  
A153647 14.1660 [ $-2/(3*x-1)^3$  egf]  
A153647 15.6273  $x/(1+3*x)^{(1/2)}/(1+(1+3*x)^{(1/2)})$  revogf  
A153647 21.7550 [ $9/(-3*x+1)$  lgdegf]  
A153647 51.5702  $-9/(3*x-1)$  lgdegf  
A153647 6.76822 [ $\{(-3*n-12)*a(n+1)+a(n+2), a(0) = 2, a(1) = 18\}$ , ogf]  
A153671 12.6645  $2*(-349*x-276+380880*x^{66}+380880*x^{67})/(349*x^2-276-73*x+380880*x^{66})$  lgdogf  
A153671 68.3028 [[2] ogf\_with\_Euler\_transform]  
A153671 8.32617 [ $-(1600*x^{67}+3200*x^{66}+51*x+40)/(4800*x^{67}-3200*x^{66}-51*x^3+62*x^2+29*x-40)$  ogf]  
A153671 8.99899 [ $-(-761760*x^{67}-761760*x^{66}+698*x+552)/(380880*x^{66}+349*x^2-73*x-276)$  lgdogf]  
A153703 10.6417 [ $-(27*x^2-6*x-13)/(9*x^3-9*x^2-x+1)$  lgdogf]  
A153703 10.8054 [ $(3*x+1)/(x-1)/(3*x-1)^3$  ogf]  
A153703 17.6830  $-(-13-6*x+27*x^2)/(x-1)/(3*x-1)/(3*x+1)$  lgdogf  
A153703 3.45985 [ $\{(n+4)*a(n+4)+(-16-n)*a(n+3)+(-24-9*n)*a(n+2)+(36+9*n)*a(n+1), a(0) = 1, a(1) = 13, a(2) = 94, a(3) = 526\}$ , ogf]  
A153709 10.3186 [ $-(-182*x^2-52*x-18)/(-182*x^3-103*x^2-4*x+1)$  lgdogf]  
A153709 15.5523  $1/2/(7+26*x)*(-1-11*x+(5*x+1)*(45*x+1))^{(1/2)}$  revogf  
A153709 15.8073 [ $-(7*x+1)/(2*x+1)/(13*x-1)$  ogf]  
A153709 16.9990  $-2*(9+26*x+91*x^2)/(7*x+1)/(1+2*x)/(13*x-1)$  lgdogf  
A153709 8.74048 [ $\{a(n+2)-11*a(n+1)-26*a(n), a(0) = 1, a(1) = 18\}$ , ogf]  
A153727 10.3260 [ $-(2*x^4+8*x^3+3*x^2+4*x+4)/(2*x^5+4*x^4+x^3-2*x^2-4*x-1)$  lgdogf]  
A153727 13.0433 [ $\{a(n+3)-a(n), a(0) = 1, a(1) = 4, a(2) = 2\}$ , ogf]  
A153727 17.3692  $-(4+4*x+3*x^2+8*x^3+2*x^4)/(x-1)/(x^2+x+1)/(2*x^2+4*x+1)$  lgdogf  
A153727 20.2305 [ $-(2*x^2+4*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A153732 14.2167  $-a(n)+(-1-n)*a(n+1), a(0)=3, a(1)=-1$  lgdegf  
A153732 15.9938 [ $2+\exp(-x)$  lgdegf]  
A153760 79.0981  $-8/(-1+x)$  lgdogf  
A153761 4.36848 [ $3628800*x^{10}/(x-1)/(1279935820801*x^{11}-11*x^{10}+55*x^9-165*x^8+330*x^7-462*x^6+462*x^5-330*x^4+165*x^3-55*x^2+11*x-1)$  ogf]  
A153772 11.1876 [ $(5*x^2-1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A153772 5.74501 [ $\{-a(n+3)+2*a(n+2)+a(n+1)-2*a(n), a(0) = -1, a(1) = -2, a(2) = 0\}$ , ogf]  
A153772 7.00765 [ $-(-10*x^4-4*x^2+8*x-2)/(-10*x^5+5*x^4+12*x^3-6*x^2-2*x+1)$  lgdogf]

A153773 12.5615  $-(2-7x^2+6x^3+3x^4)/(x-1)/(-1+3x)/(x+1)/(x^2+x-1)$  lgdogf  
A153773 12.9724  $[-(x^2+x-1)/(x-1)/(3x-1)/(x+1)$  ogf]  
A153773 7.06532  $[{a(n+3)-3a(n+2)-a(n+1)+3a(n), a(0) = 1, a(1) = 2, a(2) = 6},$   
ogf]  
A153773 8.60126  $[-(-3x^4-6x^3+7x^2-2)/(-3x^5-2x^4+7x^3+x^2-4x+1)$  lgdogf]  
A153774 12.5111  $-(3-2x-3x^2+6x^4)/(x-1)/(3x-1)/(x+1)/(2x^2-1)$  lgdogf  
A153774 14.1190  $[-(2x^2-1)/(x-1)/(3x-1)/(x+1)$  ogf]  
A153774 7.18558  $[{a(n+3)-3a(n+2)-a(n+1)+3a(n), a(0) = 1, a(1) = 3, a(2) = 8},$   
ogf]  
A153774 9.14528  $[-(-6x^4+3x^2+2x-3)/(-6x^5+2x^4+9x^3-3x^2-3x+1)$  lgdogf]  
A153780 11.7759  $[-10x*(2x+1)/(x-1)^3$  ogf]  
A153780 14.4746  $[-(-4x-5)/(-2x^2+x+1)$  lgdogf]  
A153780 29.7333  $-(5+4x)/(2x+1)/(-1+x)$  lgdogf  
A153780 6.14850  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 10, a(2) =$   
50}, ogf]  
A153783 12.1277  $[-3x*(8x+1)/(x-1)^3$  ogf]  
A153783 14.0681  $[-(-16x-11)/(-8x^2+7x+1)$  lgdogf]  
A153783 27.6965  $-(11+16x)/(8x+1)/(-1+x)$  lgdogf  
A153783 6.28039  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 33},$   
ogf]  
A153784 12.7414  $[-4x*(4x+1)/(x-1)^3$  ogf]  
A153784 15.3958  $[-(-8x-7)/(-4x^2+3x+1)$  lgdogf]  
A153784 33.0845  $-(7+8x)/(4x+1)/(x-1)$  lgdogf  
A153784 6.59821  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 28},$   
ogf]  
A153785 12.0645  $[-5x*(4x+1)/(x-1)^3$  ogf]  
A153785 14.5779  $[-(-8x-7)/(-4x^2+3x+1)$  lgdogf]  
A153785 29.9456  $-(7+8x)/(1+4x)/(-1+x)$  lgdogf  
A153785 6.24768  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 35},$   
ogf]  
A153786 12.3171  $[-6x*(4x+1)/(x-1)^3$  ogf]  
A153786 14.8832  $[-(-8x-7)/(-4x^2+3x+1)$  lgdogf]  
A153786 31.9729  $-(7+8x)/(4x+1)/(x-1)$  lgdogf  
A153786 6.37852  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 42},$   
ogf]  
A153792 11.9609  $[-12x*(2x+1)/(x-1)^3$  ogf]  
A153792 14.7019  $[-(-4x-5)/(-2x^2+x+1)$  lgdogf]  
A153792 31.5809  $-(5+4x)/(2x+1)/(x-1)$  lgdogf  
A153792 6.24506  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 12, a(2) =$   
60}, ogf]  
A153793 12.0225  $[-13x*(2x+1)/(x-1)^3$  ogf]  
A153793 14.7777  $[-(-4x-5)/(-2x^2+x+1)$  lgdogf]  
A153793 31.7462  $-(5+4x)/(2x+1)/(x-1)$  lgdogf  
A153793 6.27726  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 13, a(2) =$   
65}, ogf]  
A153794 12.0013  $[-4x*(5x+1)/(x-1)^3$  ogf]  
A153794 14.2056  $[-(-10x-8)/(-5x^2+4x+1)$  lgdogf]  
A153794 28.5452  $-2*(4+5x)/(5x+1)/(x-1)$  lgdogf  
A153794 6.21496  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 32},$   
ogf]  
A153795 12.3171  $[-5x*(5x+1)/(x-1)^3$  ogf]  
A153795 14.5795  $[-(-10x-8)/(-5x^2+4x+1)$  lgdogf]  
A153795 29.3085  $-2*(4+5x)/(5x+1)/(x-1)$  lgdogf  
A153795 6.37852  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 40},$   
ogf]  
A153796 13.9840  $[-6x*(5x+1)/(x-1)^3$  ogf]  
A153796 16.5525  $[-(-10x-8)/(-5x^2+4x+1)$  lgdogf]  
A153796 28.7976  $-2*(4+5x)/(5x+1)/(x-1)$  lgdogf  
A153796 7.24173  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 48},$   
ogf]  
A153797 12.1671  $[-7x*(5x+1)/(x-1)^3$  ogf]

A153797 14.4019  $[-(-10*x-8)/(-5*x^2+4*x+1) \text{ lgdogf}]$   
A153797 28.9492  $-2*(4+5*x)/(5*x+1)/(x-1) \text{ lgdogf}$   
A153797 6.30082  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 56}, \text{ ogf}]$   
A153808 12.3553  $[-8*x*(5*x+1)/(x-1)^3 \text{ ogf}]$   
A153808 14.6246  $[-(-10*x-8)/(-5*x^2+4*x+1) \text{ lgdogf}]$   
A153808 29.4039  $-2*(4+5*x)/(5*x+1)/(x-1) \text{ lgdogf}$   
A153808 6.39826  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 64}, \text{ ogf}]$   
A153814 22.4318  $[1001/(x-1)^2 \text{ ogf}]$   
A153814 28.8409  $[2/(-x+1) \text{ lgdogf}]$   
A153814 61.6634  $[[2] \text{ ogf\_with\_Euler\_transform}]$   
A153814 9.17665  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 1001, a(1) = 2002}, \text{ ogf}]$   
A153819 10.4983  $- (17-48*x+8*x^4-30*x^3+52*x^2)/(x-1)/(8*x^2-15*x+8)/(x^2-3*x+1) \text{ lgdogf}$   
A153819 12.1834  $[-2*(8*x^2-15*x+8)/(x-1)/(x^2-3*x+1) \text{ ogf}]$   
A153819 6.78030  $[{-a(n+3)+4*a(n+2)-4*a(n+1)+a(n), a(0) = 16, a(1) = 34, a(2) = 88}, \text{ ogf}]$   
A153819 7.35599  $[-(8*x^4-30*x^3+52*x^2-48*x+17)/(8*x^5-47*x^4+100*x^3-100*x^2+47*x-8) \text{ lgdogf}]$   
A153848 11.1821  $[21/(100*x-1)/(x-1) \text{ ogf}]$   
A153848 14.3097  $-(-101+200*x)/(100*x-1)/(x-1) \text{ lgdogf}$   
A153848 4.72133  $[{-a(n+2)+101*a(n+1)-100*a(n), a(0) = 21, a(1) = 2121}, \text{ ogf}]$   
A153848 5.84479  $-1/1400*(-707*x-147+(27*x+7)^(1/2))*(121*x+21)^(1/2)*7^(1/2)*21^(1/2)/x \text{ revogf}$   
A153873 12.6140  $- (17-48*x+52*x^2-30*x^3+8*x^4)/(x-1)/(8*x^2-15*x+8)/(x^2-3*x+1) \text{ lgdogf}$   
A153873 13.0347  $[-(8*x^2-15*x+8)/(x-1)/(x^2-3*x+1) \text{ ogf}]$   
A153873 7.08905  $[{-a(n+3)+4*a(n+2)-4*a(n+1)+a(n), a(0) = 8, a(1) = 17, a(2) = 44}, \text{ ogf}]$   
A153873 7.62408  $[-(8*x^4-30*x^3+52*x^2-48*x+17)/(8*x^5-47*x^4+100*x^3-100*x^2+47*x-8) \text{ lgdogf}]$   
A153875 11.9162  $[-3*x*(10*x+1)/(x-1)^3 \text{ ogf}]$   
A153875 13.5518  $[-(-20*x-13)/(-10*x^2+9*x+1) \text{ lgdogf}]$   
A153875 27.2092  $- (13+20*x)/(1+10*x)/(x-1) \text{ lgdogf}$   
A153875 6.17091  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 39}, \text{ ogf}]$   
A153881 16.4199  $[(2*x-1)/(x-1) \text{ ogf}]$   
A153881 18.9855  $[1/(-2*x^2+3*x-1) \text{ lgdogf}]$   
A153881 28.5061  $1/4+1/4*x-1/4*(1-6*x+x^2)^(1/2) \text{ revogf}$   
A153881 55.2305  $-1/(2*x-1)/(x-1) \text{ lgdogf}$   
A153881 8.43800  $[{-a(n+2)+a(n+1), a(0) = 1, a(1) = -1}, \text{ ogf}]$   
A153882 12.2134  $[-(62*x-12)/(31*x^2-12*x+1) \text{ lgdogf}]$   
A153882 15.9772  $-1/62*(-1-12*x+(1+24*x+20*x^2)^(1/2))/x \text{ revogf}$   
A153882 18.1456  $[1/(31*x^2-12*x+1) \text{ ogf}]$   
A153882 22.2540  $-2*(-6+31*x)/(31*x^2+1-12*x) \text{ lgdogf}$   
A153882 7.47171  $[{-a(n+2)+12*a(n+1)-31*a(n), a(0) = 1, a(1) = 12}, \text{ ogf}]$   
A153884 11.4946  $[-(88*x-14)/(44*x^2-14*x+1) \text{ lgdogf}]$   
A153884 15.0242  $-1/88*(-1-14*x+(1+28*x+20*x^2)^(1/2))/x \text{ revogf}$   
A153884 17.0777  $[1/(44*x^2-14*x+1) \text{ ogf}]$   
A153884 20.9266  $-2*(-7+44*x)/(44*x^2+1-14*x) \text{ lgdogf}$   
A153884 7.03201  $[{-a(n+2)+14*a(n+1)-44*a(n), a(0) = 1, a(1) = 14}, \text{ ogf}]$   
A153885 13.1699  $[-(118*x-16)/(59*x^2-16*x+1) \text{ lgdogf}]$   
A153885 13.5847  $-1/118*(-1-16*x+(1+32*x+20*x^2)^(1/2))/x \text{ revogf}$   
A153885 19.4068  $-2*(-8+59*x)/(59*x^2+1-16*x) \text{ lgdogf}$   
A153885 19.9430  $[1/(59*x^2-16*x+1) \text{ ogf}]$   
A153885 8.21182  $[{-a(n+2)+16*a(n+1)-59*a(n), a(0) = 1, a(1) = 16}, \text{ ogf}]$   
A153886 12.1666  $[-(152*x-18)/(76*x^2-18*x+1) \text{ lgdogf}]$   
A153886 12.3245  $-1/152*(-18*x-1+(20*x^2+36*x+1)^(1/2))/x \text{ revogf}$   
A153886 17.6064  $-2*(-9+76*x)/(76*x^2+1-18*x) \text{ lgdogf}$   
A153886 18.4238  $[1/(76*x^2-18*x+1) \text{ ogf}]$

A153886 7.58626 [ $[-a(n+2)+18a(n+1)-76a(n), a(0) = 1, a(1) = 18]$ , ogf]  
A153893 10.9458 [ $[-(-2x^2+8x-5)/(-2x^3+7x^2-7x+2)$  lgdogf]  
A153893 14.6127 [ $1/2 \ln(1+2x)+\operatorname{arctanh}((6x+4)^{1/2})-\operatorname{arctanh}(2)$  revegf]  
A153893 15.5674 [ $[-(x-2)/(2x-1)/(x-1)$  ogf]  
A153893 20.1999 [ $-(5-8x+2x^2)/(x-1)/(x-2)/(2x-1)$  lgdogf]  
A153893 8.54310 [ $[-a(n+2)+3a(n+1)-2a(n), a(0) = 2, a(1) = 5]$ , ogf]  
A153894 10.1528 [ $[-(-6x^2+16x-9)/(-6x^3+17x^2-15x+4)$  lgdogf]  
A153894 11.2989 [ $1/2 \ln(2x+3)+\operatorname{arctanh}((10x+16)^{1/2})-1/2 \ln(3)-\operatorname{arctanh}(4)$  revegf]  
A153894 15.1164 [ $[-(3x-4)/(2x-1)/(x-1)$  ogf]  
A153894 18.0172 [ $-(9-16x+6x^2)/(x-1)/(3x-4)/(2x-1)$  lgdogf]  
A153894 8.29561 [ $[-a(n+2)+3a(n+1)-2a(n), a(0) = 4, a(1) = 9]$ , ogf]  
A153972 10.2465 [ $[-(-26x^2+28x-8)/(-26x^3+53x^2-34x+7)$  lgdogf]  
A153972 15.3698 [ $[-(13x-7)/(2x-1)/(x-1)$  ogf]  
A153972 16.5035 [ $-1/2 * (-7-3x+(49-10x+x^2)^{1/2})/(13+2x)$  revogf]  
A153972 16.9060 [ $-2*(4-14x+13x^2)/(x-1)/(2x-1)/(13x-7)$  lgdogf]  
A153972 8.62209 [ $\{a(n+2)-3a(n+1)+2a(n), a(0) = 7, a(1) = 8\}$ , ogf]  
A153973 10.2522 [ $[-(-10x^2+12x-4)/(-10x^3+21x^2-14x+3)$  lgdogf]  
A153973 10.5101 [ $1/2 \ln(2x+15)-\operatorname{arctanh}(1/6*(6x+81)^{1/2})-1/2 \ln(15)+\operatorname{arctanh}(3/2)$  revegf]  
A153973 15.3783 [ $[-3*(5x-3)/(2x-1)/(x-1)$  ogf]  
A153973 18.2544 [ $-2*(2-6x+5x^2)/(x-1)/(5x-3)/(2x-1)$  lgdogf]  
A153973 8.52292 [ $\{a(n+2)-3a(n+1)+2a(n), a(0) = 9, a(1) = 12\}$ , ogf]  
A153976 11.2562 [ $4*(2x^2-x+2)/(x-1)^4$  ogf]  
A153976 12.1355 [ $[-(-4x^2-x-7)/(-2x^3+3x^2-3x+2)$  lgdogf]  
A153976 25.4007 [ $-(7+x+4x^2)/(x-1)/(2x^2-x+2)$  lgdogf]  
A153976 3.86405 [ $\{(2n+8)a(n+4)+(-16-3n)a(n+3)+(5+3n)a(n+2)+(-6-2n)a(n+1), a(0) = 8, a(1) = 28, a(2) = 72, a(3) = 152\}$ , ogf]  
A153977 12.2170 [ $[-(-6x^2-9)/(-2x^3+3x^2-3x+2)$  lgdogf]  
A153977 23.9524 [ $-3*(3+2x^2)/(x-1)/(2x^2-x+2)$  lgdogf]  
A153977 3.68350 [ $\{(-2n-8)a(n+4)+(18+3n)a(n+3)+(-3n-6)a(n+2)+(8+2n)a(n+1), a(0) = 2, a(1) = 9, a(2) = 27, a(3) = 65\}$ , ogf]  
A153977 9.27870 [ $-(2x^2-x+2)/(x-1)^5$  ogf]  
A153978 10.0143 [ $-2x*(2x+1)/(x-1)^5$  ogf]  
A153978 15.6473 [ $-(8x+7)/(2x^2-x-1)$  lgdogf]  
A153978 33.6472 [ $-(7+8x)/(2x+1)/(x-1)$  lgdogf]  
A153978 5.00714 [ $\{(n+2)a(n+3)+(-6+n)a(n+2)+(-8-2n)a(n+1), a(0) = 0, a(1) = 2, a(2) = 14\}$ , ogf]  
A153981 10.9120 [ $-(17-48x+52x^2-30x^3+8x^4)/(x-1)/(8x^2-15x+8)/(x^2-3x+1)$  lgdogf]  
A153981 10.9452 [ $[-4*(8x^2-15x+8)/(x-1)/(x^2-3x+1)$  ogf]  
A153981 6.03872 [ $[-a(n+3)+4a(n+2)-4a(n+1)+a(n), a(0) = 32, a(1) = 68, a(2) = 176]$ , ogf]  
A153981 6.60842 [ $[-(8x^4-30x^3+52x^2-48x+17)/(8x^5-47x^4+100x^3-100x^2+47x-8)$  lgdogf]  
A153990 10.6782 [ $[-(8x^5+7x^4+4x^3+5x^2+2x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A154021 10.3695 [ $[-(2x-16)/(x^2-16x+1)$  lgdogf]  
A154021 13.0764 [ $[-(8x-2+(9x+2)^{1/2}*(2+7x)^{1/2})/x$  revogf]  
A154021 13.6441 [ $4x/(x^2-16x+1)$  ogf]  
A154021 23.1808 [ $-2*(-8+x)/(x^2+1-16x)$  lgdogf]  
A154021 6.32289 [ $\{a(n+2)-16a(n+1)+a(n), a(0) = 0, a(1) = 4\}$ , ogf]  
A154022 10.2031 [ $[-(2x-25)/(x^2-25x+1)$  lgdogf]  
A154022 10.9095 [ $-1/2 * (-25x-5+(27x+5)^{1/2}*(23x+5)^{1/2})/x$  revogf]  
A154022 13.4252 [ $5x/(x^2-25x+1)$  ogf]  
A154022 21.8191 [ $-(-25+2x)/(x^2+1-25x)$  lgdogf]  
A154022 6.22143 [ $\{a(n+2)-25a(n+1)+a(n), a(0) = 0, a(1) = 5\}$ , ogf]  
A154023 11.2013 [ $[-(2x-36)/(x^2-36x+1)$  lgdogf]  
A154023 13.1368 [ $-(-3-18x+(19x+3)^{1/2}*(17x+3)^{1/2})/x$  revogf]  
A154023 14.7385 [ $6x/(x^2-36x+1)$  ogf]  
A154023 23.9889 [ $-2*(-18+x)/(x^2+1-36x)$  lgdogf]

A154023 6.83004 [ $\{a(n+2)-36a(n+1)+a(n), a(0) = 0, a(1) = 6\}$ , ogf]  
A154024 11.5285 [ $7x/(x^2-49x+1)$  ogf]  
A154024 18.7029  $-(-49+2x)/(x^2+1-49x)$  lgdogf  
A154024 5.34249 [ $\{a(n+2)-49a(n+1)+a(n), a(0) = 0, a(1) = 7\}$ , ogf]  
A154024 8.76168  $[-(2x-49)/(x^2-49x+1)$  lgdogf]  
A154024 9.35145  $-1/2*(-49x-7+(51x+7)^{(1/2)}*(47x+7)^{(1/2)})/x$  revogf  
A154025 10.8864  $[-(2x-64)/(x^2-64x+1)$  lgdogf]  
A154025 12.7665  $-(-32x-4+(33x+4)^{(1/2)}*(31x+4)^{(1/2)})/x$  revogf  
A154025 14.3242 [ $8x/(x^2-64x+1)$  ogf]  
A154025 23.3128  $-2*(-32+x)/(x^2+1-64x)$  lgdogf  
A154025 6.63802 [ $\{a(n+2)-64a(n+1)+a(n), a(0) = 0, a(1) = 8\}$ , ogf]  
A154026 13.3084  $[-(2x-81)/(x^2-81x+1)$  lgdogf]  
A154026 14.2849  $-1/2*(-9-81x+(83x+9)^{(1/2)}*(79x+9)^{(1/2)})/x$  revogf  
A154026 17.5111 [ $9x/(x^2-81x+1)$  ogf]  
A154026 28.5697  $-(-81+2x)/(x^2+1-81x)$  lgdogf  
A154026 8.11490 [ $\{a(n+2)-81a(n+1)+a(n), a(0) = 0, a(1) = 9\}$ , ogf]  
A154027 11.6244  $-(-5-50x+(51x+5)^{(1/2)}*(49x+5)^{(1/2)})/x$  revogf  
A154027 12.4036 [ $10x/(x^2-100x+1)$  ogf]  
A154027 20.3428  $-2*(-50+x)/(x^2+1-100x)$  lgdogf  
A154027 5.90646 [ $\{a(n+2)-100a(n+1)+a(n), a(0) = 0, a(1) = 10\}$ , ogf]  
A154027 9.54121  $[-(2x-100)/(x^2-100x+1)$  lgdogf]  
A154031 7.09597  $(118+40x+30x^6+28x^5+100x^4-158x^3-143x^2)/(x-1)/$   
 $(6x^6+16x^5+60x^4+41x^3-20x^2-63x-55)$  lgdogf  
A154031 8.57322 [ $(6x^6+16x^5+60x^4+41x^3-20x^2-63x-55)/(x-1)$  ogf]  
A154032 6.00901 [ $-(2x^6+2x^5+2x^4+11x^3+12x^2+3x+1)/(x-1)/(x+1)/(x^2+x+1)$   
ogf]  
A154033 9.53191 [ $(6x^5+4x^4-12x^3-21x^2-23x-10)/(x-1)/(x+1)$  ogf]  
A154034 6.19567  $(164+168x-126x^3-207x^2-149x^4+258x^6+36x^7-116x^5)/$   
 $(x-1)/(6x^7+60x^6+61x^5+52x^4+41x^3-84x^2-108x-56)$  lgdogf  
A154034 7.90258 [ $(6x^7+60x^6+61x^5+52x^4+41x^3-84x^2-108x-56)/(x-1)$  ogf]  
A154035 5.14350  $(42-24x+5x^6+6x^5+18x^4-16x^3-30x^2)/(-1+x)/$   
 $(x^6+3x^5+11x^4+14x^3+12x^2-14x-28)$  lgdogf  
A154035 5.84167 [ $(x^6+3x^5+11x^4+14x^3+12x^2-14x-28)/(x-1)$  ogf]  
A154037 5.07555 [ $x*(6x^9-4x^6+8x^4-15x^3-8x-14)/(x-1)/(x^2+x+1)$  ogf]  
A154037 5.66770  $(8-66x^8+8x^6+24x^5-16x^3+87x^2+36x^{11})/(-1+x)/(x^2+x+1)/$   
 $(6x^9-4x^6+8x^4-15x^3-8x-14)$  lgdogf  
A154038 7.04606 [ $(3x^8+6x^7+12x^6+6x^5+3x^4-13x^3-24x^2-25x-14)/(x-1)/$   
 $(x^2+x+1)$  ogf]  
A154039 6.30068 [  
 $(12x^{10}+276x^9+669x^8+986x^7+492x^6-244x^5-1395x^4-1263x^3-1046x^2-503x-126)/$   
 $(x-1)/(x^2+x+1)$  ogf]  
A154040 4.38157 [ $(2x^9-2x^8+6x^7-4x^6+7x^5+3x^4-3x^3-2x^2-7x-4)/(x-1)$   
ogf]  
A154041 5.10486 [ $(7x^8+x^7+11x^6-4x^5+47x^4-18x^3+44x^2-69x-27)/(x-1)$   
ogf]  
A154042 6.80491 [  
 $(8x^9+373x^8+1017x^7+2759x^6+1216x^5+2595x^4-1098x^3-3812x^2-2563x-715)/$   
 $(x-1)$  ogf]  
A154044 6.50422  $(40+26x^6-82x^5+42x^7+14x^4-38x^3+8x^9-9x^8+9x^2)/(x-1)/$   
 $(x^9+7x^7+15x^6+2x^5+8x^4-3x^3-20x-20)$  lgdogf  
A154044 8.16702 [ $(x^9+7x^7+15x^6+2x^5+8x^4-3x^3-20x-20)/(x-1)$  ogf]  
A154047 5.25301 [  
 $(7x^{11}+9x^{10}+84x^9+45x^8+108x^7+64x^6+25x^5-38x^4-203x^3-108x^2-191x-42)/$   
 $(x-1)/(x+1)/(x^2+1)$  ogf]  
A154048 5.31502 [ $(4x^9+x^7+2x^6+x^4-5x^3-3x^2-6x-2)/(x-1)/(x+1)/(x^2+1)$   
ogf]  
A154051 5.93739 [ $(4x^{10}+6x^9+12x^8+40x^7+34x^6+63x^5+142x^4-6x^3- x^2-177x-144)/$   
 $(x-1)$  ogf]  
A154053 4.67877 [  
 $(18x^{11}+3012x^{10}+9496x^9+30456x^8+102776x^7+45838x^6+132219x^5+30668x^4-121704x^3-155537x^2-68125x-11628)/$   
 $(x-1)$  ogf]

A154055 4.54872 [  $(3x^{12}+20x^{11}+42x^{10}+70x^9+81x^8+70x^7+35x^6-23x^5-82x^4-142x^3-145x^2-97x-30)/(x-1)/(x+1)/(x^2+x+1)$  ogf ]  
A154057 4.85166 [  $(4x^{13}+2x^{12}-6x^{11}+7x^{10}+29x^9-2x^8+23x^7-30x^6+6x^5+28x^4-38x^3-11x^2-15x-10)/(x-1)$  ogf ]  
A154068 4.29574 [  $(x^{12}-x^{11}+2x^8-x^7+5x^6-4x^5+9x^4-6x^3+8x^2-11x-4)/(x-1)$  ogf ]  
A154079 4.34253 [  $(x^{12}+x^{11}+x^{10}+11x^9+2x^8+9x^7+3x^6+2x^5-x^4-23x^3-8x^2-23x-6)/(x-1)/(x+1)/(x^2+1)$  ogf ]  
A154105 12.2941 [  $-(x^2+34x+37)/(x^3+15x^2-9x-7)$  lgdogf ]  
A154105 13.2855 [  $-(x^2+16x+7)/(x-1)^3$  ogf ]  
A154105 24.5048 [  $-(37+34x+x^2)/(x-1)/(x^2+16x+7)$  lgdogf ]  
A154105 7.22546 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 7, a(1) = 37, a(2) = 91\}$ , ogf ]  
A154106 11.0666 [  $-(x^2+26x+45)/(x^3+11x^2-x-11)$  lgdogf ]  
A154106 11.9450 [  $-(x+11)*(x+1)/(x-1)^3$  ogf ]  
A154106 22.3568 [  $-(45+26x+x^2)/(x+11)/(x-1)/(x+1)$  lgdogf ]  
A154106 6.48734 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 11, a(1) = 45, a(2) = 103\}$ , ogf ]  
A154117 13.0880 [  $(3x^2-x+1)/(2x-1)/(x-1)$  ogf ]  
A154117 16.5837 [  $-(2-2x+7x^2)/(x-1)/(2x-1)/(3x^2-x+1)$  lgdogf ]  
A154117 6.80065 [  $\{-a(n+3)+3a(n+2)-2a(n+1), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf ]  
A154117 9.50227 [  $-(7x^2-2x-2)/(6x^4-11x^3+8x^2-4x+1)$  lgdogf ]  
A154118 10.4895 [  $-(13x^2-6x-2)/(10x^4-17x^3+10x^2-4x+1)$  lgdogf ]  
A154118 15.0416 [  $(5x^2-x+1)/(2x-1)/(x-1)$  ogf ]  
A154118 7.81573 [  $\{-a(n+3)+3a(n+2)-2a(n+1), a(0) = 1, a(1) = 2, a(2) = 9\}$ , ogf ]  
A154127 11.2973 [  $-(4x^3+3x^2+x+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf ]  
A154127 8.15418 [  $-2*(1+3x+2x^6+3x^5-3x^3+3x^2)/(-1+x)/(x+1)/(x^2-x+1)/(4x^3+3x^2+x+1)$  lgdogf ]  
A154128 20.6313 [  $25/(-5x+1)$  lgdogf ]  
A154128 48.8954 [  $-25/(-1+5x)$  lgdogf ]  
A154128 5.53988 [  $\{(-n-2)*a(n+2)+(30+5*n)*a(n+1), a(0) = 24, a(1) = 600\}$ , ogf ]  
A154128 8.54724 [  $-24/(5x-1)^5$  ogf ]  
A154138 6.48284 [  $-(3-18x+2x^8+4x^7+x^6+15x^2+x^4+32x^3-26x^5)/(x-1)/(x^2+2x-1)/(x^2-2x-1)/(2x^4+2x^3-3x^2-2x-1)$  lgdogf ]  
A154138 7.60358 [  $(2x^4+2x^3-3x^2-2x-1)/(x-1)/(x^2+2x-1)/(x^2-2x-1)$  ogf ]  
A154139 6.97031 [  $-(9-60x+17x^6-24x^5+2x^7-63x^4+58x^3+87x^2)/(-1+x)/(x^2+2x-1)/(x^2-2x-1)/(x^3+6x^2-3x-6)$  lgdogf ]  
A154139 7.94531 [  $x*(x^3+6x^2-3x-6)/(x-1)/(x^2+2x-1)/(x^2-2x-1)$  ogf ]  
A154140 8.33843 [  $(3x^4+2x^3-3x^2-2x-2)/(x-1)/(x^2+2x-1)/(x^2-2x-1)$  ogf ]  
A154141 8.37500 [  $(2x^4+6x^3-3x^2-6x-1)/(x-1)/(x^2+2x-1)/(x^2-2x-1)$  ogf ]  
A154142 8.55907 [  $x*(x^3+10x^2-3x-10)/(x-1)/(x^2+2x-1)/(x^2-2x-1)$  ogf ]  
A154143 8.41157 [  $(4x^4+2x^3-3x^2-2x-3)/(x-1)/(x^2+2x-1)/(x^2-2x-1)$  ogf ]  
A154144 8.48471 [  $(3x^4+6x^3-3x^2-6x-2)/(x-1)/(x^2+2x-1)/(x^2-2x-1)$  ogf ]  
A154145 5.92191 [  $(2x^8+3x^7+2x^6+5x^5-3x^4-5x^3-2x^2-3x-1)/(x-1)/(x^4+2x^2-1)/(x^4-2x^2-1)$  ogf ]  
A154146 5.13393 [  $x*(x^3+14x^2-3x-14)/(x-1)/(x^2+2x-1)/(x^2-2x-1)$  ogf ]  
A154147 8.00186 [  $(4x^4+6x^3-3x^2-6x-3)/(x-1)/(x^2+2x-1)/(x^2-2x-1)$  ogf ]  
A154148 3.83325 [  $(6x^4+2x^3-3x^2-2x-5)/(x-1)/(x^2+2x-1)/(x^2-2x-1)$  ogf ]  
A154149 7.90429 [  $(3x^4+10x^3-3x^2-10x-2)/(x-1)/(x^2+2x-1)/(x^2-2x-1)$  ogf ]  
A154150 3.78408 [  $(2x^4+14x^3-3x^2-14x-1)/(x-1)/(x^2+2x-1)/(x^2-2x-1)$  ogf ]  
A154151 8.21474 [  $x*(x^3+18x^2-3x-18)/(x-1)/(x^2+2x-1)/(x^2-2x-1)$  ogf ]  
A154152 8.07428 [  $(5x^4+6x^3-3x^2-6x-4)/(x-1)/(x^2+2x-1)/(x^2-2x-1)$  ogf ]  
A154153 3.86546 [  $(7x^4+2x^3-3x^2-2x-6)/(x-1)/(x^2+2x-1)/(x^2-2x-1)$  ogf ]  
A154154 3.44035 [  $(4x^4+10x^3-3x^2-10x-3)/(x-1)/(x^2+2x-1)/(x^2-2x-1)$  ogf ]  
A154222 7.27910 [  $-(2x^4-10x^3+18x^2-10x+2)/(-2x^6+7x^5-17x^4+25x^3-19x^2+7x-1)$  lgdogf ]  
A154222 9.20346 [  $(x^4-2x^3+5x^2-4x+1)/(2x-1)^2/(x-1)^2$  ogf ]  
A154222 9.94197 [  $-2*(-1+5x-9x^2+5x^3+x^4)/(x-1)/(2x-1)/(x^4-2x^3+5x^2-4x+1)$  lgdogf ]

A154223 8.70197 [ $(x^2+x-1)*(x^4-2*x^3+2*x^2+x-1)/(x+1)/(2*x-1)/(2*x^2-1)/(x-1)^2$  ogf]  
A154235 11.3239  $[-(20*x-8)/(10*x^2-8*x+1)$  lgdogf]  
A154235 14.5845  $-1/20*(-1-8*x+(1+16*x+24*x^2)^{(1/2)})/x$  revogf  
A154235 16.6527 [ $1/(10*x^2-8*x+1)$  ogf]  
A154235 21.3158  $-4*(-2+5*x)/(10*x^2+1-8*x)$  lgdogf  
A154235 6.82160 [ $\{-a(n+2)+8*a(n+1)-10*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A154236 11.6949  $[-(38*x-10)/(19*x^2-10*x+1)$  lgdogf]  
A154236 15.2859  $-1/38*(-1-10*x+(1+20*x+24*x^2)^{(1/2)})/x$  revogf  
A154236 17.3752 [ $1/(19*x^2-10*x+1)$  ogf]  
A154236 21.2911  $-2*(-5+19*x)/(19*x^2+1-10*x)$  lgdogf  
A154236 7.15451 [ $\{-a(n+2)+10*a(n+1)-19*a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A154237 12.3286  $[-(60*x-12)/(30*x^2-12*x+1)$  lgdogf]  
A154237 16.1309  $-1/60*(-1-12*x+(1+24*x+24*x^2)^{(1/2)})/x$  revogf  
A154237 18.3167 [ $1/(30*x^2-12*x+1)$  ogf]  
A154237 22.4680  $-12*(-1+5*x)/(30*x^2+1-12*x)$  lgdogf  
A154237 7.54219 [ $\{-a(n+2)+12*a(n+1)-30*a(n), a(0) = 1, a(1) = 12\}$ , ogf]  
A154239 11.6079  $[-(86*x-14)/(43*x^2-14*x+1)$  lgdogf]  
A154239 15.1752  $-1/86*(-1-14*x+(1+28*x+24*x^2)^{(1/2)})/x$  revogf  
A154239 17.2460 [ $1/(43*x^2-14*x+1)$  ogf]  
A154239 21.1369  $-2*(-7+43*x)/(43*x^2+1-14*x)$  lgdogf  
A154239 7.10129 [ $\{-a(n+2)+14*a(n+1)-43*a(n), a(0) = 1, a(1) = 14\}$ , ogf]  
A154240 10.4708  $[-(116*x-16)/(58*x^2-16*x+1)$  lgdogf]  
A154240 13.5847  $-1/116*(-1-16*x+(1+32*x+24*x^2)^{(1/2)})/x$  revogf  
A154240 15.8557 [ $1/(58*x^2-16*x+1)$  ogf]  
A154240 19.4068  $-4*(-4+29*x)/(58*x^2+1-16*x)$  lgdogf  
A154240 6.52884 [ $\{-a(n+2)+16*a(n+1)-58*a(n), a(0) = 1, a(1) = 16\}$ , ogf]  
A154241 12.3953  $-1/150*(-18*x-1+(24*x^2+36*x+1)^{(1/2)})/x$  revogf  
A154241 14.4899 [ $1/(75*x^2-18*x+1)$  ogf]  
A154241 17.7076  $-6*(-3+25*x)/(75*x^2+1-18*x)$  lgdogf  
A154241 5.96641 [ $\{-a(n+2)+18*a(n+1)-75*a(n), a(0) = 1, a(1) = 18\}$ , ogf]  
A154241 9.56877  $[-(150*x-18)/(75*x^2-18*x+1)$  lgdogf]  
A154244 12.3684  $[-(4*x-6)/(2*x^2-6*x+1)$  lgdogf]  
A154244 15.7163  $-1/4*(-1-6*x+(1+12*x+28*x^2)^{(1/2)})/x$  revogf  
A154244 17.9903 [ $1/(2*x^2-6*x+1)$  ogf]  
A154244 23.2601  $-2*(-3+2*x)/(2*x^2+1-6*x)$  lgdogf  
A154244 7.24001 [ $\{-a(n+2)+6*a(n+1)-2*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A154245 11.6772  $[-(18*x-8)/(9*x^2-8*x+1)$  lgdogf]  
A154245 12.4489  $-1/18*(-8*x-1+(2*x+1)^{(1/2)}*(1+14*x)^{(1/2)})/x$  revogf  
A154245 17.3389 [ $1/(9*x^2-8*x+1)$  ogf]  
A154245 22.4081  $-2*(-4+9*x)/(9*x^2+1-8*x)$  lgdogf  
A154245 6.97785 [ $\{-a(n+2)+8*a(n+1)-9*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A154246 11.7525  $[-(36*x-10)/(18*x^2-10*x+1)$  lgdogf]  
A154246 15.3627  $-1/36*(-1-10*x+(1+20*x+28*x^2)^{(1/2)})/x$  revogf  
A154246 17.4608 [ $1/(18*x^2-10*x+1)$  ogf]  
A154246 21.3981  $-2*(-5+18*x)/(18*x^2+1-10*x)$  lgdogf  
A154246 7.18975 [ $\{-a(n+2)+10*a(n+1)-18*a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A154247 11.1549  $[-(58*x-12)/(29*x^2-12*x+1)$  lgdogf]  
A154247 14.5712  $-1/58*(-1-12*x+(1+24*x+28*x^2)^{(1/2)})/x$  revogf  
A154247 16.5730 [ $1/(29*x^2-12*x+1)$  ogf]  
A154247 20.2956  $-2*(-6+29*x)/(29*x^2+1-12*x)$  lgdogf  
A154247 6.82418 [ $\{-a(n+2)+12*a(n+1)-29*a(n), a(0) = 1, a(1) = 12\}$ , ogf]  
A154248 10.6166  $[-(84*x-14)/(42*x^2-14*x+1)$  lgdogf]  
A154248 13.8590  $-1/84*(-1-14*x+(1+28*x+28*x^2)^{(1/2)})/x$  revogf  
A154248 15.7732 [ $1/(42*x^2-14*x+1)$  ogf]  
A154248 20.0185  $-14*(6*x-1)/(42*x^2+1-14*x)$  lgdogf  
A154248 6.49484 [ $\{-a(n+2)+14*a(n+1)-42*a(n), a(0) = 1, a(1) = 14\}$ , ogf]  
A154249 10.4708  $[-(114*x-16)/(57*x^2-16*x+1)$  lgdogf]  
A154249 13.5847  $-1/114*(-1-16*x+(1+32*x+28*x^2)^{(1/2)})/x$  revogf  
A154249 15.8557 [ $1/(57*x^2-16*x+1)$  ogf]  
A154249 19.4068  $-2*(-8+57*x)/(57*x^2+1-16*x)$  lgdogf



A154249 6.52884 [ $\{-a(n+2)+16a(n+1)-57a(n), a(0) = 1, a(1) = 16\}$ , ogf]  
A154250 12.4661  $-1/148*(-18x-1+(28x^2+36x+1)^{1/2})/x$  revogf  
A154250 14.5708 [ $1/(74x^2-18x+1)$  ogf]  
A154250 5.99974 [ $\{-a(n+2)+18a(n+1)-74a(n), a(0) = 1, a(1) = 18\}$ , ogf]  
A154250 9.62223 [ $-(148x-18)/(74x^2-18x+1)$  lgdogf]  
A154251 12.7064 [ $(7x^2-x+1)/(2x-1)/(x-1)$  ogf]  
A154251 14.9962  $-(-2-10x+19x^2)/(x-1)/(-1+2x)/(7x^2-x+1)$  lgdogf  
A154251 6.53823 [ $\{-a(n+3)+3a(n+2)-2a(n+1), a(0) = 1, a(1) = 2, a(2) = 11\}$ , ogf]  
A154251 8.74595 [ $-(19x^2-10x-2)/(14x^4-23x^3+12x^2-4x+1)$  lgdogf]  
A154252 10.0371 [ $-(22x^2-12x-2)/(16x^4-26x^3+13x^2-4x+1)$  lgdogf]  
A154252 14.5823 [ $(8x^2-x+1)/(2x-1)/(x-1)$  ogf]  
A154252 7.50350 [ $\{-a(n+3)+3a(n+2)-2a(n+1), a(0) = 1, a(1) = 2, a(2) = 12\}$ , ogf]  
A154254 11.6155 [ $-(-19x^2-32x-3)/(-19x^3+22x^2-5x+2)$  lgdogf]  
A154254 12.7395 [ $-(19x^2-3x+2)/(x-1)^3$  ogf]  
A154254 20.9407  $-(3+32x+19x^2)/(x-1)/(19x^2-3x+2)$  lgdogf  
A154254 6.98984 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 2, a(1) = 3, a(2) = 22\}$ , ogf]  
A154260 10.7877 [ $-(-21x^3-15x^2-51x-9)/(-7x^4-2x^3+2x+7)$  lgdogf]  
A154260 16.2748  $-3*(3+17x+5x^2+7x^3)/(x-1)/(x+1)/(7x^2+2x+7)$  lgdogf  
A154260 9.98865 [ $-x*(7x^2+2x+7)/(x+1)^2/(x-1)^3$  ogf]  
A154262 11.3926 [ $-(-22x^2-30x-2)/(-22x^3+29x^2-10x+3)$  lgdogf]  
A154262 12.6789 [ $-(22x^2-7x+3)/(x-1)^3$  ogf]  
A154262 19.7704  $-2*(1+15x+11x^2)/(x-1)/(22x^2-7x+3)$  lgdogf  
A154262 6.95656 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 3, a(1) = 2, a(2) = 19\}$ , ogf]  
A154266 16.9255 [ $-(5x+13)/(5x^2-x-4)$  lgdogf]  
A154266 17.6457 [ $3*(5x+4)/(x-1)^2$  ogf]  
A154266 26.2484  $-(-6-x+3*(4+3x)^{1/2})/(-15+x)$  revogf  
A154266 35.3783  $-(13+5x)/(5x+4)/(x-1)$  lgdogf  
A154266 9.87319 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 12, a(1) = 39\}$ , ogf]  
A154267 16.9255 [ $-(4x+14)/(4x^2+x-5)$  lgdogf]  
A154267 17.6457 [ $3*(4x+5)/(x-1)^2$  ogf]  
A154267 20.3425  $-1/2*(-15-2x+3*(25+12x)^{1/2})/(-12+x)$  revogf  
A154267 33.9042  $-2*(7+2x)/(4x+5)/(x-1)$  lgdogf  
A154267 9.87319 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 15, a(1) = 42\}$ , ogf]  
A154272 12.6497 [ $2x/(x^2+1)$  lgdogf]  
A154272 14.5879  $((3x+(8+9x^2)^{1/2})^{2/3}-2)/(3x+(8+9x^2)^{1/2})^{1/3}$  revegf  
A154272 18.1732 [ $[-x^3+x]$  ogf\_with\_Euler\_transform]  
A154272 7.46538 [ $\{a(n+3), a(0) = 1, a(1) = 0, a(2) = 1\}$ , ogf]  
A154272 78.2439  $2x/(1+x^2)$  lgdogf  
A154277 11.0814 [ $-(170x^2-25x+17)/(x-1)^3$  ogf]  
A154277 16.0444  $-2*(13+145x+85x^2)/(x-1)/(170x^2-25x+17)$  lgdogf  
A154277 6.20938 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 17, a(1) = 26, a(2) = 197\}$ , ogf]  
A154277 9.60384 [ $-(-170x^2-290x-26)/(-170x^3+195x^2-42x+17)$  lgdogf]  
A154281 10.1257 hypergeom([-1/24, 5/24], [2/3], -256/27\*x^3)\*x\*hypergeom([7/24, 13/24], [4/3], -256/27\*x^3) revogf  
A154281 10.1257 hypergeom([-1/24, 5/24], [2/3], -256/27\*x^3)\*x\*hypergeom([7/24, 13/24], [4/3], -256/27\*x^3) revogf  
A154281 12.6497 [ $3x^2/(x^3+1)$  lgdogf]  
A154281 18.1732 [ $-x^5+x^2$  ogf\_with\_Euler\_transform]  
A154281 40.9849  $3x^2/(x+1)/(x^2-x+1)$  lgdogf  
A154281 6.32483 [ $\{a(n+4), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A154286 12.6334 [ $-5/(x-1)^5$  ogf]  
A154286 26.6204 [ $5/(-x+1)$  lgdogf]  
A154286 56.8856 [[5] ogf\_with\_Euler\_transform]  
A154286 7.09878 [ $\{(-n-2)*a(n+2)+(6+n)*a(n+1), a(0) = 5, a(1) = 25\}$ , ogf]  
A154286 79.9827  $-5/(x-1)$  lgdogf

A154292 10.2259 [  $-(11x^2+2x+11)/(x+1)^2/(x-1)^3$  ogf]  
A154292 10.3570 [  $-(-33x^3-19x^2-79x-13)/(-11x^4-2x^3+2x+11)$  lgdogf]  
A154292 15.2409 [  $-(13+79x+19x^2+33x^3)/(x-1)/(x+1)/(11x^2+2x+11)$  lgdogf]  
A154293 10.6735 [  $-(6-2x+12x^5-14x^4+26x^3+5x^2+3x^6)/(x-1)/(x^2+4x+1)/(x^2-x+1)/(x^2+1)$  lgdogf]  
A154293 7.37798 [  $-x(x^2+4x+1)(x^2-x+1)/(x^2+1)^2/(x-1)^3$  ogf]  
A154295 11.4994 [  $-(197x^2-61x+26)/(x-1)^3$  ogf]  
A154295 17.0469 [  $-(17+272x+197x^2)/(x-1)/(197x^2-61x+26)$  lgdogf]  
A154295 6.44362 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 26, a(1) = 17, a(2) = 170\}$ , ogf]  
A154295 9.96613 [  $-(-197x^2-272x-17)/(-197x^3+258x^2-87x+26)$  lgdogf]  
A154306 5.14175 [  $-(27x^3+67x^2+25x+1)/(x-1)^7$  egf]  
A154306 6.10230 [  $-(108x^3+416x^2+284x+32)/(27x^4+40x^3-42x^2-24x-1)$  lgdegf]  
A154306 9.89048 [  $-4(8+71x+104x^2+27x^3)/(x-1)/(27x^3+67x^2+25x+1)$  lgdegf]  
A154307 7.00444 [  $-10(8+163x+618x^2+595x^3+128x^4)/(x-1)/(256x^4+821x^3+531x^2+71x+1)$  lgdegf]  
A154322 11.6184 [  $-2(1-3x-4x^3+x^4+8x^2)/(x-1)/(x^4-4x^3+7x^2-4x+1)$  lgdogf]  
A154322 7.87434 [  $(x^4-4x^3+7x^2-4x+1)/(x-1)^6$  ogf]  
A154322 8.27203 [  $-(-2x^4+8x^3-16x^2+6x-2)/(-x^5+5x^4-11x^3+11x^2-5x+1)$  lgdogf]  
A154323 10.1895 [  $-(-x^4+2x^3-21x^2-8x-2)/(-x^5+4x^4-13x^3+13x^2-4x+1)$  lgdogf]  
A154323 10.5079 [  $-(x^4-3x^3+10x^2-3x+1)/(x-1)^5$  ogf]  
A154323 13.2185 [  $-(2+8x-2x^3+x^4+21x^2)/(x-1)/(x^4-3x^3+10x^2-3x+1)$  lgdogf]  
A154324 6.62990 [  $(x^6-2x^5-x^4+5x^3-x^2-2x+1)/(x+1)^3/(x-1)^6$  ogf]  
A154324 8.28083 [  $-(1+x+3x^7-4x^2+4x^3+17x^4-5x^5-5x^6)/(x-1)/(x+1)/(x^6-2x^5-x^4+5x^3-x^2-2x+1)$  lgdogf]  
A154327 12.2123 [  $(x^4+2x^3-x^2+1)/(x-1)/(x+1)/(x^2+x-1)$  ogf]  
A154327 9.37901 [  $-(-1-2x-4x^2+4x^3+6x^4+2x^5+x^6)/(x-1)/(x+1)/(x^2+x-1)/(x^4+2x^3-x^2+1)$  lgdogf]  
A154340 11.8677 [  $-(34x-10)/(17x^2-10x+1)$  lgdogf]  
A154340 15.5163 [  $-1/34(-1-10x+(1+20x+32x^2)^{1/2})/x$  revogf]  
A154340 17.6320 [  $1/(17x^2-10x+1)$  ogf]  
A154340 21.6121 [  $-2(-5+17x)/(17x^2+1-10x)$  lgdogf]  
A154340 7.26024 [  $\{-a(n+2)+10a(n+1)-17a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A154346 11.1549 [  $-(56x-12)/(28x^2-12x+1)$  lgdogf]  
A154346 14.5712 [  $-1/56(-1-12x+(1+24x+32x^2)^{1/2})/x$  revogf]  
A154346 16.5730 [  $1/(28x^2-12x+1)$  ogf]  
A154346 20.2956 [  $-4(-3+14x)/(28x^2+1-12x)$  lgdogf]  
A154346 6.82418 [  $\{-a(n+2)+12a(n+1)-28a(n), a(0) = 1, a(1) = 12\}$ , ogf]  
A154347 10.6721 [  $-(82x-14)/(41x^2-14x+1)$  lgdogf]  
A154347 13.9331 [  $-1/82(-1-14x+(1+28x+32x^2)^{1/2})/x$  revogf]  
A154347 15.8557 [  $1/(41x^2-14x+1)$  ogf]  
A154347 19.4068 [  $-2(-7+41x)/(41x^2+1-14x)$  lgdogf]  
A154347 6.52884 [  $\{-a(n+2)+14a(n+1)-41a(n), a(0) = 1, a(1) = 14\}$ , ogf]  
A154348 10.4708 [  $-(112x-16)/(56x^2-16x+1)$  lgdogf]  
A154348 13.5847 [  $-1/112(-1-16x+(1+32x+32x^2)^{1/2})/x$  revogf]  
A154348 15.8557 [  $1/(56x^2-16x+1)$  ogf]  
A154348 19.4068 [  $-16(-1+7x)/(56x^2+1-16x)$  lgdogf]  
A154348 6.52884 [  $\{-a(n+2)+16a(n+1)-56a(n), a(0) = 1, a(1) = 16\}$ , ogf]  
A154350 12.4661 [  $-1/146(-18x-1+(32x^2+36x+1)^{1/2})/x$  revogf]  
A154350 14.5708 [  $1/(73x^2-18x+1)$  ogf]  
A154350 5.99974 [  $\{-a(n+2)+18a(n+1)-73a(n), a(0) = 1, a(1) = 18\}$ , ogf]  
A154350 9.62223 [  $-(146x-18)/(73x^2-18x+1)$  lgdogf]  
A154352 7.14628 [  $-x(x-1)(2x+1)(2x-1)(x+1)(x^2+x+1)(4x^2-2x+1)(4x^2+2x+1)/(43x^6-1)$  ogf]  
A154355 10.4146 [  $-(74x^2-37x+13)/(x-1)^3$  ogf]  
A154355 15.9073 [  $-2(1+37x+37x^2)/(x-1)/(74x^2-37x+13)$  lgdogf]  
A154355 5.84680 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 13, a(1) = 2, a(2) = 41\}$ , ogf]

A154355 9.38782  $[-(-74*x^2-74*x-2)/(-74*x^3+111*x^2-50*x+13) \text{ lgdogf}]$   
A154357 12.4828  $[-(-41*x^2-96*x-13)/(-41*x^3+34*x^2+5*x+2) \text{ lgdogf}]$   
A154357 13.8922  $[ -(41*x^2+7*x+2)/(x-1)^3 \text{ ogf}]$   
A154357 22.2703  $-(13+96*x+41*x^2)/(x-1)/(41*x^2+7*x+2) \text{ lgdogf}$   
A154357 7.55539  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 13, a(2) = 74}, \text{ ogf}]$   
A154358 12.2147  $-3*(33+1234*x+1233*x^2)/(x-1)/(3699*x^2-1848*x+649) \text{ lgdogf}$   
A154358 5.39339  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 649, a(1) = 99, a(2) = 2049}, \text{ ogf}]$   
A154358 7.76122  $[-(-3699*x^2-3702*x-99)/(-3699*x^3+5547*x^2-2497*x+649) \text{ lgdogf}]$   
A154358 9.22348  $[ -(3699*x^2-1848*x+649)/(x-1)^3 \text{ ogf}]$   
A154359 10.0005  $[ -(2049*x^2+352*x+99)/(x-1)^3 \text{ ogf}]$   
A154359 13.6757  $-(649+4802*x+2049*x^2)/(x-1)/(2049*x^2+352*x+99) \text{ lgdogf}$   
A154359 5.67827  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 99, a(1) = 649, a(2) = 3699}, \text{ ogf}]$   
A154359 8.27205  $[-(-2049*x^2-4802*x-649)/(-2049*x^3+1697*x^2+253*x+99) \text{ lgdogf}]$   
A154360 15.4788  $[-(-43*x-7)/(-43*x^2+61*x-18) \text{ lgdogf}]$   
A154360 16.4265  $[ 10*(43*x-18)/(x-1)^2 \text{ ogf}]$   
A154360 22.6747  $-(-35-x+5*(49+10*x)^(1/2))/(-180+x) \text{ revogf}$   
A154360 30.5236  $-2*(16+9*x)/(18*x+7)/(x-1) \text{ lgdogf}$   
A154360 9.46938  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -180, a(1) = 70}, \text{ ogf}]$   
A154361 13.0813  $[-(-32*x-18)/(-32*x^2+39*x-7) \text{ lgdogf}]$   
A154361 14.1714  $[ 10*(32*x-7)/(x-1)^2 \text{ ogf}]$   
A154361 19.1233  $-(-90-x+5*(324+10*x)^(1/2))/(-70+x) \text{ revogf}$   
A154361 27.8882  $-(43+7*x)/(7*x+18)/(x-1) \text{ lgdogf}$   
A154361 8.00269  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -70, a(1) = 180}, \text{ ogf}]$   
A154374 10.4067  $[ -(x^2+1348*x+1151)/(x-1)^3 \text{ ogf}]$   
A154374 5.71513  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1151, a(1) = 4801, a(2) = 10951}, \text{ ogf}]$   
A154374 8.93905  $[-(x^2+2698*x+4801)/(x^3+1347*x^2-197*x-1151) \text{ lgdogf}]$   
A154375 10.4067  $[ -(x^2+1148*x+1351)/(x-1)^3 \text{ ogf}]$   
A154375 16.2772  $-(5201+2298*x+x^2)/(x-1)/(x^2+1148*x+1351) \text{ lgdogf}$   
A154375 5.71513  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1351, a(1) = 5201, a(2) = 11551}, \text{ ogf}]$   
A154375 8.93905  $[-(x^2+2298*x+5201)/(x^3+1147*x^2+203*x-1351) \text{ lgdogf}]$   
A154376 13.4260  $[ -(27*x+23)/(x-1)^3 \text{ ogf}]$   
A154376 14.2006  $[-(54*x+96)/(27*x^2-4*x-23) \text{ lgdogf}]$   
A154376 26.8104  $-6*(16+9*x)/(27*x+23)/(x-1) \text{ lgdogf}$   
A154376 6.36578  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 23, a(1) = 96, a(2) = 219}, \text{ ogf}]$   
A154377 13.5583  $[ -(23*x+27)/(x-1)^3 \text{ ogf}]$   
A154377 14.0699  $[-(46*x+104)/(23*x^2+4*x-27) \text{ lgdogf}]$   
A154377 26.1127  $-2*(52+23*x)/(23*x+27)/(x-1) \text{ lgdogf}$   
A154377 6.37356  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 27, a(1) = 104, a(2) = 231}, \text{ ogf}]$   
A154378 15.4637  $[-(x+49)/(x^2+23*x-24) \text{ lgdogf}]$   
A154378 16.4302  $[ 10*(x+24)/(x-1)^2 \text{ ogf}]$   
A154378 21.4916  $-(-120-x+5*(576+10*x)^(1/2))/(-10+x) \text{ revogf}$   
A154378 38.6849  $-(49+x)/(x+24)/(x-1) \text{ lgdogf}$   
A154378 9.17033  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 240, a(1) = 490}, \text{ ogf}]$   
A154379 15.0727  $[-(-x+51)/(-x^2+27*x-26) \text{ lgdogf}]$   
A154379 16.0148  $[ -10*(x-26)/(x-1)^2 \text{ ogf}]$   
A154379 21.5387  $-(-130-x+5*(676+10*x)^(1/2))/(10+x) \text{ revogf}$   
A154379 35.8978  $-(-51+x)/(x-1)/(x-26) \text{ lgdogf}$   
A154379 8.93848  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 260, a(1) = 510}, \text{ ogf}]$   
A154383 10.5665  $[{-a(n+4)+4*a(n+2), a(0) = 1, a(1) = 0, a(2) = 4, a(3) = 2}, \text{ ogf}]$   
A154383 13.9419  $[-(-8*x^4+6*x^2+8*x)/(8*x^5-2*x^3+4*x^2-1) \text{ lgdogf}]$   
A154383 22.3071  $[ -(2*x^3+1)/(2*x-1)/(2*x+1) \text{ ogf}]$   
A154407 13.0850  $[ -2*(9*x-2)/(6*x-1)/(2*x-1) \text{ ogf}]$   
A154407 14.7028  $-(-7-48*x+108*x^2)/(6*x-1)/(2*x-1)/(9*x-2) \text{ lgdogf}$

A154407 14.7028  $-1/6*(-2-4*x+(4-2*x+4*x^2)^(1/2))/(3+2*x)$  revogf  
A154407 7.32135  $[{a(n+2)-8*a(n+1)+12*a(n), a(0) = 4, a(1) = 14}], ogf]$   
A154407 8.66187  $[ -(-108*x^2+48*x-7)/(-108*x^3+96*x^2-25*x+2) lgdogf]$   
A154410 13.7003  $[ -10*(3*x-1)/(6*x-1)/(2*x-1) ogf]$   
A154410 15.0102  $-1/6*(-5-4*x+(25+10*x+4*x^2)^(1/2))/(5+2*x)$  revogf  
A154410 16.1360  $-(5-24*x+36*x^2)/(6*x-1)/(3*x-1)/(2*x-1)$  lgdogf  
A154410 7.73666  $[{a(n+2)-8*a(n+1)+12*a(n), a(0) = 10, a(1) = 50}], ogf]$   
A154410 9.53067  $[ -(-36*x^2+24*x-5)/(-36*x^3+36*x^2-11*x+1) lgdogf]$   
A154426 9.18963  $[ -x*(3*x^7-5*x^6+3*x^5-3*x^4+x^3+x^2-x-1)/(x-1)^2 ogf]$   
A154426 9.76422  $(3-x-3*x^2+13*x^3-21*x^4+39*x^5-41*x^6+15*x^7)/(x-1)/(3*x^7-5*x^6+3*x^5-3*x^4+x^3+x^2-x-1)$  lgdogf  
A154470 12.3481  $2*(-1-42*x^27-126*x^29+42*x^30+126*x^28)/(x-1)/(3*x^30-6*x^29+3*x^28+1)$  lgdogf  
A154514 11.2503  $[ -(x^2+718*x+577)/(x-1)^3 ogf]$   
A154514 17.9352  $-(2449+1438*x+x^2)/(x-1)/(x^2+718*x+577)$  lgdogf  
A154514 6.09392  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 577, a(1) = 2449, a(2) = 5617}], ogf]$   
A154514 9.62199  $[ -(x^2+1438*x+2449)/(x^3+717*x^2-141*x-577) lgdogf]$   
A154515 11.2503  $[ -(x^2+574*x+721)/(x-1)^3 ogf]$   
A154515 17.9352  $-(2737+1150*x+x^2)/(x-1)/(x^2+574*x+721)$  lgdogf  
A154515 6.09392  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 721, a(1) = 2737, a(2) = 6049}], ogf]$   
A154515 9.62199  $[ -(x^2+1150*x+2737)/(x^3+573*x^2+147*x-721) lgdogf]$   
A154516 13.3893  $[ -2*(5*x+4)/(x-1)^3 ogf]$   
A154516 14.4604  $[ -(10*x+17)/(5*x^2-x-4) lgdogf]$   
A154516 29.5110  $-(17+10*x)/(5*x+4)/(x-1)$  lgdogf  
A154516 6.34228  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 8, a(1) = 34, a(2) = 78}], ogf]$   
A154517 13.4576  $[ -2*(4*x+5)/(x-1)^3 ogf]$   
A154517 14.8308  $[ -(8*x+19)/(4*x^2+x-5) lgdogf]$   
A154517 30.9545  $-(19+8*x)/(4*x+5)/(x-1)$  lgdogf  
A154517 6.31921  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 10, a(1) = 38, a(2) = 84}], ogf]$   
A154518 14.3939  $[ -(x+35)/(x^2+16*x-17) lgdogf]$   
A154518 15.2935  $[ 12*(x+17)/(x-1)^2 ogf]$   
A154518 20.5523  $-(-102-x+6*(289+6*x)^(1/2))/(-12+x)$  revogf  
A154518 35.9666  $-(35+x)/(x+17)/(x-1)$  lgdogf  
A154518 8.53590  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 204, a(1) = 420}], ogf]$   
A154519 14.3939  $[ -(-x+37)/(-x^2+20*x-19) lgdogf]$   
A154519 15.2935  $[ -12*(x-19)/(x-1)^2 ogf]$   
A154519 21.1568  $-(-114-x+6*(361+6*x)^(1/2))/(12+x)$  revogf  
A154519 34.2539  $-(-37+x)/(x-1)/(x-19)$  lgdogf  
A154519 8.53590  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 228, a(1) = 444}], ogf]$   
A154529 12.4334  $[ -(6*x^4+2*x^3-4*x^2+4*x+1)/(x-1)/(x+1)/(x^2-x+1) ogf]$   
A154529 6.47311  $-(5-8*x+8*x^6-8*x^5-2*x^4+16*x^3+7*x^2)/(-1+x)/(x+1)/(x^2-x+1)/(6*x^4+2*x^3-4*x^2+4*x+1)$  lgdogf  
A154533 11.6243  $[ -(-13*x^2+16*x-9)/(-13*x^3+34*x^2-31*x+10) lgdogf]$   
A154533 12.7141  $[ -(13*x^2-21*x+10)/(x-1)^3 ogf]$   
A154533 20.4629  $-(9-16*x+13*x^2)/(x-1)/(13*x^2-21*x+10)$  lgdogf  
A154533 7.13772  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 10, a(1) = 9, a(2) = 10}], ogf]$   
A154549 13.4397  $444444*x/(111111+(12345654321+444444*x)^(1/2))^2$  revogf  
A154549 17.3194  $[ 111111/(x-1)^2 ogf]$   
A154549 23.5049  $[2/(-x+1) lgdogf]$   
A154549 50.0165  $[ [2] ogf\_with\_Euler\_transform]$   
A154549 7.15365  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 111111, a(1) = 222222}], ogf]$   
A154549 80.6380  $-2/(x-1)$  lgdogf  
A154560 17.7721  $-(9+7*x-5*x^2+x^3)/(x-1)/(x^3-4*x^2+5*x+1)$  lgdogf  
A154560 4.00675  $[{(-19*n^2-173*n-270)*a(n+1)+(-52*n^2-476*n-960)*a(n+2)+(71*n^2+379*n+498)*a(n+3), a(0) = 1, a(1) = 9, a(2) = 26}], ogf]$   
A154560 9.51602  $[ -(-x^3+5*x^2-7*x-9)/(-x^4+5*x^3-9*x^2+4*x+1) lgdogf]$

A154560 9.88678 [  $(x^3-4x^2+5x+1)/(x-1)^4$  ogf]  
A154570 12.4687 [  $(9x^2-2x-1)/(x+1)/(2x-1)$  ogf]  
A154570 17.4825  $(3-14x+13x^2)/(2x-1)/(x+1)/(9x^2-2x-1)$  lgdogf  
A154570 6.47882 [  $\{a(n+3)-a(n+2)-2a(n+1), a(0) = 1, a(1) = 3, a(2) = -4\}$ , ogf]  
A154570 8.69526 [  $(-(-13x^2+14x-3)/(18x^4+5x^3-13x^2+x+1)$  lgdogf]  
A154571 5.85363  $-(4+6x$   
 $+14x^6+30x^5+8x^{10}+11x^3+13x^8+12x^7+28x^4+11x^2+7x^9)/(x-1)/(1+x)/$   
 $(x^2+x+1)/(x^2-x+1)/(4x^5+x^4+2x^3+x^2+x+3)$  lgdogf  
A154571 9.21730 [  $x*(4x^5+x^4+2x^3+x^2+x+3)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$   
ogf]  
A154575 11.8237 [  $(-(2x^2-14x+18)/(2x^3-11x^2+18x-9)$  lgdogf]  
A154575 12.7621 [  $-2*(2x-3)*(x-3)/(x-1)^3$  ogf]  
A154575 23.1971  $-2*(9-7x+x^2)/(x-1)/(x-3)/(2x-3)$  lgdogf  
A154575 6.99143 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 18, a(1) = 36, a(2) =$   
 $58\}$ , ogf]  
A154576 11.6524 [  $(-(5x^2-34x+41)/(5x^3-27x^2+43x-21)$  lgdogf]  
A154576 12.7621 [  $-(5x-7)*(x-3)/(x-1)^3$  ogf]  
A154576 21.9083  $-(41-34x+5x^2)/(x-1)/(x-3)/(5x-7)$  lgdogf  
A154576 6.99143 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 21, a(1) = 41, a(2) =$   
 $65\}$ , ogf]  
A154589 13.6490  $-1/(9x-4)/(2x-1)$  lgdogf  
A154589 5.62451 [  $(-4+9x)/(2x-1)$  ogf]  
A154589 6.12079 [  $1/(-18x^2+17x-4)$  lgdogf]  
A154589 7.22593  $2/9+1/9x-1/9*((x-1)*(-4+x))^{(1/2)}$  revogf  
A154590 12.1084 [  $(-(3x^2-20x+23)/(3x^3-16x^2+25x-12)$  lgdogf]  
A154590 13.2616 [  $-2*(3x-4)*(x-3)/(x-1)^3$  ogf]  
A154590 7.26507 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 24, a(1) = 46, a(2) =$   
 $72\}$ , ogf]  
A154591 12.1084 [  $(-(7x^2-46x+51)/(7x^3-37x^2+57x-27)$  lgdogf]  
A154591 13.2616 [  $-(7x-9)*(x-3)/(x-1)^3$  ogf]  
A154591 7.26507 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 27, a(1) = 51, a(2) =$   
 $79\}$ , ogf]  
A154595 13.2636 [  $(3x^2+3x+1)/(x+1)/(x^2-x+1)$  ogf]  
A154595 8.37587  $-3*(-1-2x+x^4+2x^3+x^2)/(x+1)/(x^2-x+1)/(3x^2+3x+1)$  lgdogf  
A154595 8.55151 [  $\{-a(n+3)-a(n), a(0) = 1, a(1) = 3, a(2) = 3\}$ , ogf]  
A154597 10.7095 [  $(-(-2x-15)/(-x^2-15x+1)$  lgdogf]  
A154597 13.7933  $1/2/x*(-1-15x+(1+30x+229x^2)^{(1/2}))$  revogf  
A154597 15.7493 [  $-1/(x^2+15x-1)$  ogf]  
A154597 23.8247  $-(15+2x)/(x^2-1+15x)$  lgdogf  
A154597 6.37473 [  $\{-a(n+2)+15a(n+1)+a(n), a(0) = 1, a(1) = 15\}$ , ogf]  
A154599 11.8188 [  $(-4x^2-26x+28)/(4x^3-21x^2+32x-15)$  lgdogf]  
A154599 12.9444 [  $-2*(4x-5)*(x-3)/(x-1)^3$  ogf]  
A154599 21.0575  $-2*(14-13x+2x^2)/(4x-5)/(x-1)/(x-3)$  lgdogf  
A154599 7.09130 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 30, a(1) = 56, a(2) =$   
 $86\}$ , ogf]  
A154600 11.8188 [  $(-(9x^2-58x+61)/(9x^3-47x^2+71x-33)$  lgdogf]  
A154600 12.9444 [  $-(9x-11)*(x-3)/(x-1)^3$  ogf]  
A154600 21.6266  $-(61-58x+9x^2)/(x-1)/(x-3)/(9x-11)$  lgdogf  
A154600 7.09130 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 33, a(1) = 61, a(2) =$   
 $93\}$ , ogf]  
A154609 10.0926 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 5, a(1) = 18\}$ , ogf]  
A154609 17.0956 [  $(-(-8x-18)/(-8x^2+3x+5)$  lgdogf]  
A154609 18.6152 [  $(8x+5)/(x-1)^2$  ogf]  
A154609 22.8258  $-1/2*(-5-2x+(25+52x)^{(1/2)})/(-8+x)$  revogf  
A154609 34.2387  $-2*(9+4x)/(8x+5)/(x-1)$  lgdogf  
A154612 16.1925 [  $(-(-10x-24)/(-10x^2+3x+7)$  lgdogf]  
A154612 17.9526 [  $(10x+7)/(x-1)^2$  ogf]  
A154612 21.8902  $-1/2*(-7-2x+(49+68x)^{(1/2)})/(-10+x)$  revogf  
A154612 31.1515  $-2*(12+5x)/(10x+7)/(x-1)$  lgdogf  
A154612 9.94964 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 7, a(1) = 24\}$ , ogf]  
A154615 11.1423  $-2*(8+9x+64x^2+14x^3+24x^4+x^5)/(x-1)/(x+1)/$

$(x^4+16x^3+6x^2+16x+1)$  lgdogf  
A154615 6.25050 [ $\{(-n^2-6n-9)*a(n+1)+(n^2+2n+1)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 16\}$ , ogf]  
A154615 9.48352 [ $-x*(x^4+16x^3+6x^2+16x+1)/(x-1)^3/(x+1)^3$  ogf]  
A154617 12.1458 [ $-11*x*(3*x+1)/(x-1)^3$  ogf]  
A154617 14.9293 [ $-(-6*x-6)/(-3*x^2+2*x+1)$  lgdogf]  
A154617 32.0769  $-6*(x+1)/(3*x+1)/(x-1)$  lgdogf  
A154617 6.34164 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 11, a(2) = 66\}$ , ogf]  
A154623 4.77381 [ $\{45*a(n)*n+(-14*n-12)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A154623 6.21590 [ $-1/2*(-9*x+1+3*(45*x^2-14*x+1)^{1/2})/(81*x^2-27*x+2)/(5*x-1)$  lgdogf]  
A154623 9.27854  $-1/2*(-9*x+1+3*((9*x-1)*(5*x-1))^{1/2})/(9*x-1)/(9*x-2)/(5*x-1)$  lgdogf  
A154626 10.5156 [ $-(-16*x^2+8*x-2)/(-16*x^3+28*x^2-10*x+1)$  lgdogf]  
A154626 14.4506  $-1/8*(-1-6*x+(1-4*x+20*x^2)^{1/2})/(1+x)$  revogf  
A154626 14.8211  $-2*(1-4*x+8*x^2)/(-1+4*x)/(4*x^2-6*x+1)$  lgdogf  
A154626 15.8902 [ $-(4*x-1)/(4*x^2-6*x+1)$  ogf]  
A154626 8.72026 [ $\{a(n+2)-6*a(n+1)+4*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A154627 12.7818 [ $-(5*x-1)/(4*x^2-8*x+1)$  ogf]  
A154627 13.4095  $-1/2*(-1-8*x+(1-4*x+48*x^2)^{1/2})/(4*x+5)$  revogf  
A154627 15.2215  $-(3-8*x+20*x^2)/(5*x-1)/(4*x^2-8*x+1)$  lgdogf  
A154627 7.01439 [ $\{a(n+2)-8*a(n+1)+4*a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A154627 8.45853 [ $-(-20*x^2+8*x-3)/(-20*x^3+44*x^2-13*x+1)$  lgdogf]  
A154629 8.03620 [ $-(x^8+9*x^7+3*x^6+x^5+3*x^4+3*x^3+x^2+3*x+9)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A154633 6.19015 [ $-3*(3*x^4+20*x^3+1010*x^2+980*x+35)/(x-1)^5$  ogf]  
A154633 8.41201  $-(1155+5940*x+3*x^4+52*x^3+3090*x^2)/(x-1)/(3*x^4+20*x^3+1010*x^2+980*x+35)$  lgdogf  
A154635 13.0640 [ $(5*x-1)*(x-1)/(6*x^2-8*x+1)$  ogf]  
A154635 15.1118  $-2*(x+1)*(2*x-1)/(-1+x)/(5*x-1)/(6*x^2-8*x+1)$  lgdogf  
A154635 6.72226 [ $\{-a(n+3)+8*a(n+2)-6*a(n+1), a(0) = 1, a(1) = 2, a(2) = 15\}$ , ogf]  
A154635 9.11043 [ $-(-4*x^2-2*x+2)/(-30*x^4+76*x^3-59*x^2+14*x-1)$  lgdogf]  
A154636 13.4723 [ $(5*x-1)*(x-1)/(3*x^2-8*x+1)$  ogf]  
A154636 15.2536  $-2*(-1-2*x+11*x^2)/(x-1)/(5*x-1)/(3*x^2-8*x+1)$  lgdogf  
A154636 6.93233 [ $\{-a(n+3)+8*a(n+2)-3*a(n+1), a(0) = 1, a(1) = 2, a(2) = 18\}$ , ogf]  
A154636 9.27312 [ $-(-22*x^2+4*x+2)/(-15*x^4+58*x^3-56*x^2+14*x-1)$  lgdogf]  
A154637 14.1762 [ $(29*x^2-18*x+1)/(3*x^2-20*x+1)$  ogf]  
A154637 15.3311  $-2*(-1-26*x+263*x^2)/(29*x^2-18*x+1)/(3*x^2-20*x+1)$  lgdogf  
A154637 7.63335 [ $\{-a(n+3)+20*a(n+2)-3*a(n+1), a(0) = 1, a(1) = 2, a(2) = 66\}$ , ogf]  
A154637 9.80084 [ $-(-526*x^2+52*x+2)/(-87*x^4+634*x^3-392*x^2+38*x-1)$  lgdogf]  
A154638 11.2250 [ $(x^2+x+1)*(x+1)/(6*x^3-3*x^2-3*x+1)$  ogf]  
A154638 11.7129  $-5*(-1-2*x+3*x^4+6*x^3+3*x^2)/(x+1)/(x^2+x+1)/(6*x^3-3*x^2-3*x+1)$  lgdogf  
A154638 5.78001 [ $\{-a(n+4)+3*a(n+3)+3*a(n+2)-6*a(n+1), a(0) = 1, a(1) = 5, a(2) = 20, a(3) = 70\}$ , ogf]  
A154638 7.17150 [ $- (15*x^4+30*x^3+15*x^2-10*x-5)/(6*x^6+9*x^5+3*x^4-5*x^3-7*x^2-x+1)$  lgdogf]  
A154656 9.17945  $-8+(12-12*x)*f(x)+(-6+12*x-6*x^2)*f(x)^2+(-3*x+3*x^2-x^3+1)*f(x)^3$  lgdegf  
A154657 8.80057  $8+(-12+12*x)*f(x)+(6-12*x+6*x^2)*f(x)^2+(3*x-3*x^2+x^3-1)*f(x)^3$  lgdegf  
A154658 7.14147  $8+24*x+(-12-24*x+24*x^2)*f(x)+(6+6*x+6*x^3-18*x^2)*f(x)^2+(-1+3*x^2-2*x^3)*f(x)^3$  lgdegf  
A154687 11.2973 [ $-(2*x+1)*(x^2+x+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A154687 8.37759  $-2*(x^6+3*x^5+2+3*x-3*x^3+3*x^4)/(-1+x)/(2*x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf

A154691 14.1312 [  $(x^2+x+1)/(x-1)/(x^2+x-1)$  ogf]  
A154691 14.4043 [  $-(-3-2*x+2*x^3+x^4+5*x^2)/(x-1)/(x^2+x+1)/(x^2+x-1)$  lgdogf]  
A154691 7.80162 [  $-(-x^4-2*x^3-5*x^2+2*x+3)/(-x^5-x^4+x^3+x^2+x-1)$  lgdogf]  
A154691 7.96762 [  $\{-a(n+3)+2*a(n+2)-a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$ , ogf]  
A154699 5.84680 [  $-(1+2*x^8-2*x^9+2*x^{10}+8*x-11*x^6-2*x^2-20*x^3+6*x^4+14*x^5)/(x-1)/(x+1)/(x^2+x-1)/(x^2-x-1)/(2*x^5-x^4-2*x^3+x+1)$  lgdogf]  
A154699 8.40579 [  $-(2*x^5-x^4-2*x^3+x+1)/(x-1)/(x+1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A154708 15.0332 [  $-(-2*x^2-10*x-4)/(-x^3-3*x^2+x+3)$  lgdogf]  
A154708 18.4369 [  $(x+3)/(x+1)/(x-1)^2$  ogf]  
A154708 30.0050 [  $-2*(2+5*x+x^2)/(x-1)/(x+3)/(x+1)$  lgdogf]  
A154708 8.72460 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 4, a(2) = 7\}$ , ogf]  
A154760 9.87684 [  $(4*x^{10}+4*x^8-2*x^5-6*x^4-2*x^3-x^2-x-1)/(x-1)/(x+1)$  ogf]  
A154760 9.93554 [  $(1+4*x+32*x^{11}-16*x^9-32*x^7-6*x^6-12*x^5+7*x^2+24*x^3+8*x^4)/(x-1)/(x+1)/(4*x^{10}+4*x^8-2*x^5-6*x^4-2*x^3-x^2-x-1)$  lgdogf]  
A154805 8.78888 [  $-2*(-5000-x+15000*x^2)/(-1+x)/(10000*x-1)/(x+1)$  lgdogf]  
A154806 12.0356 [  $15/(x-1)/(16*x-1)/(x+1)$  ogf]  
A154806 14.0128 [  $-2*(-8-x+24*x^2)/(x-1)/(16*x-1)/(x+1)$  lgdogf]  
A154806 4.41304 [  $\{a(n+3)-16*a(n+2)-a(n+1)+16*a(n), a(0) = 15, a(1) = 240, a(2) = 3855\}$ , ogf]  
A154806 7.78772 [  $-(-48*x^2+2*x+16)/(-16*x^3+x^2+16*x-1)$  lgdogf]  
A154808 12.8017 [  $31/(x-1)/(32*x-1)/(x+1)$  ogf]  
A154808 14.5380 [  $-2*(-16-x+48*x^2)/(x-1)/(32*x-1)/(x+1)$  lgdogf]  
A154808 4.65516 [  $\{a(n+3)-32*a(n+2)-a(n+1)+32*a(n), a(0) = 31, a(1) = 992, a(2) = 31775\}$ , ogf]  
A154808 8.28344 [  $-(-96*x^2+2*x+32)/(-32*x^3+x^2+32*x-1)$  lgdogf]  
A154811 6.75989 [  $-(x^6+x^5+3*x^4-x^3+3*x^2+x+1)/(x-1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A154815 10.6782 [  $-(x^5+2*x^4+5*x^3+4*x^2+7*x+8)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A154825 11.6325 [  $-1/2*(-1+3*x+(1-2*x+9*x^2)^{(1/2)})/x/(1-2*x+9*x^2)^{(1/2)}$  lgdogf]  
A154825 13.7753 [  $-(-2*x^2+x)/(3*x-1)$  revogf]  
A154825 33.6730 [  $x*(-1+2*x)/(-1+3*x)$  revogf]  
A154870 10.4009 [  $\{-a(n+3)-a(n), a(0) = 7, a(1) = 5, a(2) = 1\}$ , ogf]  
A154870 16.1320 [  $(x^2+5*x+7)/(x+1)/(x^2-x+1)$  ogf]  
A154870 17.4576 [  $-(-5-2*x+x^4+10*x^3+21*x^2)/(x+1)/(x^2-x+1)/(x^2+5*x+7)$  lgdogf]  
A154879 11.5681 [  $-(-10*x^2+12*x-2)/(-10*x^3+x^2+8*x-3)$  lgdogf]  
A154879 17.2237 [  $(5*x-3)/(x+1)/(2*x-1)$  ogf]  
A154879 19.1989 [  $1/2/(-5+2*x)*(-x-3+9*x^2-14*x+9)^{(1/2)}$  revogf]  
A154879 19.6912 [  $-2*(5*x-1)*(x-1)/(-3+5*x)/(2*x-1)/(x+1)$  lgdogf]  
A154879 9.45202 [  $\{a(n+2)-a(n+1)-2*a(n), a(0) = 3, a(1) = -2\}$ , ogf]  
A154890 13.4858 [  $-(11*x^2-3)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A154890 14.2214 [  $-2*(3-8*x+11*x^4+2*x^2)/(x-1)/(2*x-1)/(x+1)/(11*x^2-3)$  lgdogf]  
A154890 6.98372 [  $\{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 3, a(1) = 6, a(2) = 4\}$ , ogf]  
A154890 8.32103 [  $-(-22*x^4-4*x^2+16*x-6)/(-22*x^5+11*x^4+28*x^3-14*x^2-6*x+3)$  lgdogf]  
A154917 15.4806 [  $-(-4*x-1)/(-2*x^2-x+1)$  lgdogf]  
A154917 20.0829 [  $-x^2/(x+1)/(2*x-1)$  ogf]  
A154917 33.4526 [  $-(1+4*x)/(x+1)/(2*x-1)$  lgdogf]  
A154917 7.43068 [  $\{-a(n+3)+a(n+2)+2*a(n+1), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A154920 10.3287 [  $(9*x^2+18*x+1)/(3*x-1)^2/(3*x+1)^2$  ogf]  
A154920 10.8394 [  $-18*(1+3*x+27*x^2+9*x^3)/(-1+3*x)/(3*x+1)/(1+18*x+9*x^2)$  lgdogf]  
A154920 5.20773 [  $\{(-9*n-36)*a(n+1)+(n+2)*a(n+3), a(0) = 1, a(1) = 18, a(2) = 27\}$ , ogf]  
A154920 7.55756 [  $-(-162*x^3-486*x^2-54*x-18)/(-81*x^4-162*x^3+18*x+1)$  lgdogf]  
A154949 14.5372 [  $1/(x-1)/(x+1)/(x^3+x^2+x-1)$  ogf]  
A154949 14.8557 [  $-(-1-4*x+4*x^3+5*x^4)/(x-1)/(x+1)/(x^3+x^2+x-1)$  lgdogf]  
A154949 8.90406 [  $-(-5*x^4+4*x^3-4*x-1)/(x^5+x^4-2*x^2-x+1)$  lgdogf]  
A154955 10.2387 [  $\{a(n+2), a(0) = 1, a(1) = -1\}$ , ogf]  
A154955 139.619 [  $1/(x-1)$  lgdogf]  
A154955 21.3307 [  $1/(x-1)$  lgdogf]  
A154955 39.2987 [  $[-1]$  ogf\_with\_Euler\_transform]

A154955 46.5396  $2*x/(1+(1-2*x)^{(1/2)})$  revogf  
A154958 13.0110  $[-(6*x^3-5*x^2+2*x+1)/(x^4-x^3+x-1)$  lgdogf]  
A154958 14.4122  $[1/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A154958 21.8838  $-(1+2*x+6*x^3-5*x^2)/(x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A154958 28.3098  $[x^5-x^2+x+1$  ogf\_with\_Euler\_transform]  
A154964 11.6502  $[-(4*x+1)/(-24*x^4-24*x^3+4*x^2+5*x-1)$  lgdogf]  
A154964 14.5078  $[ (4*x^2+2*x-1)/(6*x^2+3*x-1)$  ogf]  
A154964 16.3941  $(1+4*x)/(6*x^2+3*x-1)/(4*x^2+2*x-1)$  lgdogf  
A154964 7.53835  $[{-a(n+3)+3*a(n+2)+6*a(n+1), a(0) = 1, a(1) = 1, a(2) = 5},$  ogf]  
A154968 10.3739  $[ (9*x^2+3*x-1)/(2*x+1)/(6*x-1)$  ogf]  
A154968 14.8112  $(1+6*x)/(6*x-1)/(1+2*x)/(9*x^2+3*x-1)$  lgdogf  
A154968 5.43876  $[{-a(n+3)+4*a(n+2)+12*a(n+1), a(0) = 1, a(1) = 1, a(2) = 7},$  ogf]  
A154968 8.36107  $[-(6*x+1)/(-108*x^4-72*x^3+9*x^2+7*x-1)$  lgdogf]  
A154992 12.0018  $[ (x+1)*x^2/(3*x-1)/(x-1)$  ogf]  
A154992 17.4863  $-(-5+6*x+3*x^2)/(x-1)/(-1+3*x)/(x+1)$  lgdogf  
A154992 5.67944  $[{a(n+4)-4*a(n+3)+3*a(n+2), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 5},$  ogf]  
A154992 9.93902  $[-(3*x^2+6*x-5)/(3*x^3-x^2-3*x+1)$  lgdogf]  
A154996 11.2371  $[ (16*x^2+4*x-1)/(20*x^2+5*x-1)$  ogf]  
A154996 16.3746  $(1+8*x)/(16*x^2+4*x-1)/(20*x^2+5*x-1)$  lgdogf  
A154996 6.00037  $[{-a(n+3)+5*a(n+2)+20*a(n+1), a(0) = 1, a(1) = 1, a(2) = 9},$  ogf]  
A154996 8.95707  $[-(8*x+1)/(-320*x^4-160*x^3+16*x^2+9*x-1)$  lgdogf]  
A154997 10.7302  $[ (25*x^2+5*x-1)/(30*x^2+6*x-1)$  ogf]  
A154997 15.2152  $(1+10*x)/(25*x^2+5*x-1)/(30*x^2+6*x-1)$  lgdogf  
A154997 5.67461  $[{-a(n+3)+6*a(n+2)+30*a(n+1), a(0) = 1, a(1) = 1, a(2) = 11},$  ogf]  
A154997 8.31210  $[-(10*x+1)/(-750*x^4-300*x^3+25*x^2+11*x-1)$  lgdogf]  
A154999 10.3858  $[ (36*x^2+6*x-1)/(42*x^2+7*x-1)$  ogf]  
A154999 14.7222  $(1+12*x)/(42*x^2+7*x-1)/(36*x^2+6*x-1)$  lgdogf  
A154999 5.49251  $[{-a(n+3)+7*a(n+2)+42*a(n+1), a(0) = 1, a(1) = 1, a(2) = 13},$  ogf]  
A154999 7.93362  $[-(12*x+1)/(-1512*x^4-504*x^3+36*x^2+13*x-1)$  lgdogf]  
A155000 13.5391  $(1+14*x)/(56*x^2+8*x-1)/(49*x^2+7*x-1)$  lgdogf  
A155000 5.05814  $[{-a(n+3)+8*a(n+2)+56*a(n+1), a(0) = 1, a(1) = 1, a(2) = 15},$  ogf]  
A155000 7.30621  $[-(14*x+1)/(-2744*x^4-784*x^3+49*x^2+15*x-1)$  lgdogf]  
A155000 9.56449  $[ (49*x^2+7*x-1)/(56*x^2+8*x-1)$  ogf]  
A155001 14.0715  $(1+16*x)/(72*x^2+9*x-1)/(64*x^2+8*x-1)$  lgdogf  
A155001 5.25269  $[{-a(n+3)+9*a(n+2)+72*a(n+1), a(0) = 1, a(1) = 1, a(2) = 17},$  ogf]  
A155001 7.48329  $[-(16*x+1)/(-4608*x^4-1152*x^3+64*x^2+17*x-1)$  lgdogf]  
A155001 9.93236  $[ (64*x^2+8*x-1)/(72*x^2+9*x-1)$  ogf]  
A155017 12.4225  $(1+18*x)/(90*x^2+10*x-1)/(81*x^2+9*x-1)$  lgdogf  
A155017 4.72202  $[{-a(n+3)+10*a(n+2)+90*a(n+1), a(0) = 1, a(1) = 1, a(2) = 19},$  ogf]  
A155017 6.79195  $[-(18*x+1)/(-7290*x^4-1620*x^3+81*x^2+19*x-1)$  lgdogf]  
A155017 8.85379  $[ (81*x^2+9*x-1)/(90*x^2+10*x-1)$  ogf]  
A155020 13.8630  $[-(2*x+1)/(-2*x^4-4*x^3+x^2+3*x-1)$  lgdogf]  
A155020 16.7402  $[ (x^2+x-1)/(2*x^2+2*x-1)$  ogf]  
A155020 28.1731  $(1+2*x)/(2*x^2+2*x-1)/(x^2+x-1)$  lgdogf  
A155020 8.69832  $[{-a(n+3)+2*a(n+2)+2*a(n+1), a(0) = 1, a(1) = 1, a(2) = 3},$  ogf]  
A155041 10.0594  $[-(3*x^5+x^4+3*x^3-5*x^2+3*x+1)/(x^6-1)$  lgdogf]  
A155041 11.7617  $[ -(x^2+x+1)/(x-1)/(x^2-x+1)/(x+1)^2$  ogf]  
A155041 14.6428  $- (1+3*x-5*x^2+3*x^3+x^4+3*x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A155041 23.0972  $[x^5-2*x^2+x+1$  ogf\_with\_Euler\_transform]  
A155046 13.5039  $- (1+6*x+2*x^5+4*x^3+3*x^4+2*x^2)/(x^2+x+1)/(x^4+2*x^2-1)$  lgdogf  
A155046 13.5259  $[ -(x^2+x+1)/(x^4+2*x^2-1)$  ogf]  
A155049 10.5502  $[-(50*x^2+20*x-18)/(50*x^3-55*x^2-8*x+1)$  lgdogf]



A155049 14.6118  $-1/10*(-1-13*x+(1+3*x)*(43*x+1))^{(1/2)} / (-1+2*x)$  revogf  
A155049 15.4886  $[(5*x+1)/(10*x^2-13*x+1)$  ogf]  
A155049 16.6507  $-2*(-9+10*x+25*x^2)/(5*x+1)/(10*x^2-13*x+1)$  lgdogf  
A155049 8.56426  $[{-a(n+2)+13*a(n+1)-10*a(n), a(0) = 1, a(1) = 18},$  ogf]  
A155069 17.4793  $[1/(x^2-6*x+1)^{(1/2)}$  lgdogf]  
A155069 21.2601  $1/2/(x+2)*(3+(1-4*x)^{(1/2)})*x$  revogf  
A155069 32.4496  $1/(x^2+1-6*x)^{(1/2)}$  lgdogf  
A155069 4.43137  $[{-a(n+1)*n+(6*n+9)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 1,$   
 $a(2) = 2},$  ogf]  
A155073 10.6370  $[{-(-48*x^2-16*x-18)/(-48*x^3-80*x^2-6*x+1)}$  lgdogf]  
A155073 15.6950  $1/4*(-12*x-1+((4*x+1)*(44*x+1))^{(1/2)})/(3+4*x)$  revogf  
A155073 15.9555  $[-(6*x+1)/(8*x^2+12*x-1)$  ogf]  
A155073 18.0493  $-2*(9+8*x+24*x^2)/(6*x+1)/(8*x^2+12*x-1)$  lgdogf  
A155073 8.73755  $[{a(n+2)-12*a(n+1)-8*a(n), a(0) = 1, a(1) = 18},$  ogf]  
A155084 14.4233  $[(-1-6*x+2*(1+12*x^2)^{(1/2)})*x/(-1+2*x)^2$  revogf  
A155084 8.07496  $[(-6*x-1+2*(12*x^2+1)^{(1/2)})/(4*x^2-4*x+1)*x$  revogf]  
A155086 10.3053  $[-(5*x^3+11*x^2+28*x+8)/(5*x^4+3*x^3-3*x-5)$  lgdogf]  
A155086 12.5015  $[(5*x^2+3*x+5)/(x+1)/(x-1)^2$  ogf]  
A155086 15.2405  $-(8+28*x+11*x^2+5*x^3)/(-1+x)/(x+1)/(5*x^2+3*x+5)$  lgdogf  
A155086 6.74858  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 8, a(2) = 18},$   
ogf]  
A155095 10.9564  $[{-(-4*x^3-22*x^2-29*x-13)/(-4*x^4-9*x^3+9*x+4)}$  lgdogf]  
A155095 13.4710  $[(4*x^2+9*x+4)/(x+1)/(x-1)^2$  ogf]  
A155095 16.4444  $-(13+29*x+22*x^2+4*x^3)/(x-1)/(x+1)/(4*x^2+9*x+4)$  lgdogf  
A155095 7.20816  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 13, a(2) = 21},$   
ogf]  
A155096 10.5874  $[-(12*x^3+22*x^2+65*x+17)/(12*x^4+5*x^3-5*x-12)$  lgdogf]  
A155096 13.1083  $[(12*x^2+5*x+12)/(x+1)/(x-1)^2$  ogf]  
A155096 15.5758  $-(17+65*x+22*x^2+12*x^3)/(x-1)/(x+1)/(12*x^2+5*x+12)$  lgdogf  
A155096 7.18104  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 12, a(1) = 17, a(2) = 41},$   
ogf]  
A155097 10.7765  $[{-(-6*x^3-56*x^2-55*x-31)/(-6*x^4-25*x^3+25*x+6)}$  lgdogf]  
A155097 13.3837  $[(6*x^2+25*x+6)/(x+1)/(x-1)^2$  ogf]  
A155097 16.2782  $-(31+55*x+6*x^3+56*x^2)/(x-1)/(x+1)/(6*x^2+25*x+6)$  lgdogf  
A155097 7.27887  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 6, a(1) = 31, a(2) = 43},$   
ogf]  
A155098 10.6735  $[{-(-9*x^3-55*x^2-68*x-32)/(-9*x^4-23*x^3+23*x+9)}$  lgdogf]  
A155098 13.2558  $[(9*x^2+23*x+9)/(x+1)/(x-1)^2$  ogf]  
A155098 16.1211  $-(32+68*x+55*x^2+9*x^3)/(x-1)/(x+1)/(9*x^2+23*x+9)$  lgdogf  
A155098 7.20928  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 9, a(1) = 32, a(2) = 50},$   
ogf]  
A155107 10.1483  $[{-(-23*x^3-37*x^2-122*x-30)/(-23*x^4-7*x^3+7*x+23)}$  lgdogf]  
A155107 12.7256  $[(23*x^2+7*x+23)/(x+1)/(x-1)^2$  ogf]  
A155107 14.8330  $-(30+122*x+37*x^2+23*x^3)/(x-1)/(x+1)/(23*x^2+7*x+23)$  lgdogf  
A155107 6.97143  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 23, a(1) = 30, a(2) = 76},$   
ogf]  
A155110 11.7148  $[{-(-x^2+2*x-2)/(-x^3+4*x^2-4*x+1)}$  lgdogf]  
A155110 16.6610  $[ -8*(x-1)/(x^2-3*x+1)$  ogf]  
A155110 17.9614  $-1/2*(-8-3*x+(64+16*x+5*x^2)^{(1/2)})/(8+x)$  revogf  
A155110 24.5472  $-(2-2*x+x^2)/(x-1)/(x^2-3*x+1)$  lgdogf  
A155110 9.03307  $[{a(n+2)-3*a(n+1)+a(n), a(0) = 8, a(1) = 16},$  ogf]  
A155116 10.5117  $[{-(-4*x-2)/(3*x^4+6*x^3-x^2-4*x+1)}$  lgdogf]  
A155116 12.6933  $[(x^2+x-1)/(3*x^2+3*x-1)$  ogf]  
A155116 19.9961  $2*(2*x+1)/(3*x^2+3*x-1)/(x^2+x-1)$  lgdogf  
A155116 6.59555  $[{-a(n+3)+3*a(n+2)+3*a(n+1), a(0) = 1, a(1) = 2, a(2) = 8},$  ogf]  
A155117 11.1394  $[(x^2+x-1)/(4*x^2+4*x-1)$  ogf]  
A155117 17.5159  $3*(2*x+1)/(4*x^2+4*x-1)/(x^2+x-1)$  lgdogf  
A155117 5.73193  $[{-a(n+3)+4*a(n+2)+4*a(n+1), a(0) = 1, a(1) = 3, a(2) = 15},$   
ogf]  
A155117 9.22483  $[-(6*x+3)/(-4*x^4-8*x^3+x^2+5*x-1)$  lgdogf]  
A155119 3.67245  $[ -(4000000000000*x^18-11000000000000*x^17+6000000000000*x^16-$

$x^2-x+1)/(35000000000000000*x^{17}-60000000000000*x^{16}+5*x^2+5*x-1)$  ogf]  
A155120 11.8282  $-2*(1+8*x+x^3+2*x^2)/(-1+x)/(2*x^3-x^2+6*x-1)$  lgdogf  
A155120 6.95603  $[2*(2*x^3-x^2+6*x-1)/(x-1)^4$  ogf]  
A155121 6.72637  $[(3*x^4-32*x^3-2*x^2-20*x+3)/(x-1)^5$  ogf]  
A155121 9.87933  $-(-5-84*x-102*x^2-52*x^3+3*x^4)/(x-1)/(3*x^4-32*x^3-2*x^2-20*x+3)$  lgdogf  
A155122 11.3913  $[-(105*x^2+210*x+45)/(35*x^3-33*x-2)$  lgdogf]  
A155122 17.6862  $-15*(3+14*x+7*x^2)/(x-1)/(35*x^2+35*x+2)$  lgdogf  
A155122 3.73778  $[{(6+2*n)*a(n+4)+(21+33*n)*a(n+3)-210*a(n+2)+(-105-35*n)*a(n+1), a(0) = 0, a(1) = 16, a(2) = 360, a(3) = 1920},$  ogf]  
A155122 8.15515  $[-8*x*(35*x^2+35*x+2)/(x-1)^5$  ogf]  
A155127 10.7394  $[(x^2+x-1)/(6*x^2+6*x-1)$  ogf]  
A155127 16.8850  $5*(2*x+1)/(6*x^2+6*x-1)/(x^2+x-1)$  lgdogf  
A155127 5.52611  $[{-a(n+3)+6*a(n+2)+6*a(n+1), a(0) = 1, a(1) = 5, a(2) = 35},$  ogf]  
A155127 8.62408  $[-(10*x+5)/(-6*x^4-12*x^3+x^2+7*x-1)$  lgdogf]  
A155130 11.4177  $[(x^2+x-1)/(7*x^2+7*x-1)$  ogf]  
A155130 17.9744  $6*(1+2*x)/(x^2+x-1)/(7*x^2+7*x-1)$  lgdogf  
A155130 5.87512  $[{-a(n+3)+7*a(n+2)+7*a(n+1), a(0) = 1, a(1) = 6, a(2) = 48},$  ogf]  
A155130 9.16874  $[-(12*x+6)/(-7*x^4-14*x^3+x^2+8*x-1)$  lgdogf]  
A155132 10.7222  $[(x^2+x-1)/(8*x^2+8*x-1)$  ogf]  
A155132 16.8636  $7*(2*x+1)/(8*x^2+8*x-1)/(x^2+x-1)$  lgdogf  
A155132 5.51725  $[{-a(n+3)+8*a(n+2)+8*a(n+1), a(0) = 1, a(1) = 7, a(2) = 63},$  ogf]  
A155132 8.61026  $[-(14*x+7)/(-8*x^4-16*x^3+x^2+9*x-1)$  lgdogf]  
A155135 8.69141  $(-27+18*x^9-27*x^8+60*x-27*x^2-48*x^5+101*x^6-44*x^7)/(x-1)/(3*x^9-11*x^7+8*x^6+27*x^2-57*x+28)$  lgdogf  
A155135 9.14482  $[(3*x^9-11*x^7+8*x^6+27*x^2-57*x+28)/(x-1)^3$  ogf]  
A155136 11.3504  $[-(27*x^2-60*x+27)/(27*x^3-84*x^2+85*x-28)$  lgdogf]  
A155136 12.5918  $[(9*x-7)*(3*x-4)/(x-1)^3$  ogf]  
A155136 20.8641  $-3*(9-20*x+9*x^2)/(x-1)/(9*x-7)/(3*x-4)$  lgdogf  
A155136 7.00762  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = -28, a(1) = -27, a(2) = -24},$  ogf]  
A155137 6.25118  $[3*x*(5*x^9+x^8-19*x^7+x^6+16*x^5+9*x^2-20*x+9)/(x-1)^4$  ogf]  
A155137 6.81389  $(-16+25*x^9-41*x^8+42*x-18*x^2-80*x^4+10*x^5+135*x^6-65*x^7)/(x-1)/(5*x^9+x^8-19*x^7+x^6+16*x^5+9*x^2-20*x+9)$  lgdogf  
A155138 6.86347  $[3*x*(10*x^8-8*x^7-30*x^6+32*x^5+9*x^2-20*x+9)/(x-1)^4$  ogf]  
A155138 7.57568  $2*(-8+20*x^8+21*x-9*x^2-80*x^4+106*x^5-2*x^6-52*x^7)/(x-1)/(10*x^8-8*x^7-30*x^6+32*x^5+9*x^2-20*x+9)$  lgdogf  
A155144 10.7778  $[(x^2+x-1)/(9*x^2+9*x-1)$  ogf]  
A155144 16.9528  $8*(2*x+1)/(9*x^2+9*x-1)/(x^2+x-1)$  lgdogf  
A155144 5.54583  $[{-a(n+3)+9*a(n+2)+9*a(n+1), a(0) = 1, a(1) = 8, a(2) = 80},$  ogf]  
A155144 8.52569  $[-(16*x+8)/(-9*x^4-18*x^3+x^2+10*x-1)$  lgdogf]  
A155148 4.24506  $[(20*x^2+17*x-2)/(10*x-1)$  ogf]  
A155149 3.22314  $[(40*x^9+100*x^8+166*x^7+130*x^6+90*x^5+74*x^4+39*x^3+31*x^2-5*x-4)/(10*x^2-1)$  ogf]  
A155155 13.6589  $[-2*(7*x-9)/(3*x-1)/(x-1)$  ogf]  
A155155 16.1347  $-(29-54*x+21*x^2)/(x-1)/(3*x-1)/(7*x-9)$  lgdogf  
A155155 16.5593  $-(-9-2*x+(81+22*x+x^2)^{(1/2)})/(14+3*x)$  revogf  
A155155 7.64245  $[{-a(n+2)+4*a(n+1)-3*a(n), a(0) = 18, a(1) = 58},$  ogf]  
A155155 9.17094  $[-(21*x^2+54*x-29)/(-21*x^3+55*x^2-43*x+9)$  lgdogf]  
A155157 15.3603  $9*(2*x+1)/(x^2+x-1)/(10*x^2+10*x-1)$  lgdogf  
A155157 5.23019  $[{-a(n+3)+10*a(n+2)+10*a(n+1), a(0) = 1, a(1) = 9, a(2) = 99},$  ogf]  
A155157 8.07603  $[-(18*x+9)/(-10*x^4-20*x^3+x^2+11*x-1)$  lgdogf]  
A155157 9.98491  $[(x^2+x-1)/(10*x^2+10*x-1)$  ogf]  
A155158 12.7789  $[-(x+1)*(3*x+1)/(x^2+1)/(x-1)$  ogf]  
A155158 6.95992  $[{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 7},$  ogf]

A155158 9.60323  $-(5+4*x+3*x^4+8*x^3-4*x^2)/(-1+x)/(1+3*x)/(x+1)/(x^2+1)$  lgdogf  
A155158 9.74389  $[-(3*x^4+8*x^3-4*x^2+4*x+5)/(3*x^5+x^4-3*x-1)$  lgdogf]  
A155179 11.3588  $[(x^2+x-1)/(x^2+4*x-1)$  ogf]  
A155179 19.0152  $3*(1+x^2)/(x^2+x-1)/(x^2+4*x-1)$  lgdogf  
A155179 5.84480  $[{a(n+3)-4*a(n+2)-a(n+1), a(0) = 1, a(1) = 3, a(2) = 12},$  ogf]  
A155179 8.85315  $[-(3*x^2+3)/(-x^4-5*x^3-2*x^2+5*x-1)$  lgdogf]  
A155181 11.6643  $[(x^2+x-1)/(x^2+5*x-1)$  ogf]  
A155181 19.5433  $4*(1+x^2)/(x^2+x-1)/(x^2+5*x-1)$  lgdogf  
A155181 6.00202  $[{a(n+3)-5*a(n+2)-a(n+1), a(0) = 1, a(1) = 4, a(2) = 20},$  ogf]  
A155181 9.09129  $[-(-4*x^2-4)/(x^4+6*x^3+3*x^2-6*x+1)$  lgdogf]  
A155195 11.4313  $[(x^2+x-1)/(x^2+6*x-1)$  ogf]  
A155195 19.1510  $5*(1+x^2)/(x^2+x-1)/(x^2+6*x-1)$  lgdogf  
A155195 5.88213  $[{a(n+3)-6*a(n+2)-a(n+1), a(0) = 1, a(1) = 5, a(2) = 30},$  ogf]  
A155195 8.90969  $[-(-5*x^2-5)/(x^4+7*x^3+4*x^2-7*x+1)$  lgdogf]  
A155196 11.0220  $[(x^2+x-1)/(x^2+7*x-1)$  ogf]  
A155196 18.4576  $6*(1+x^2)/(x^2+x-1)/(x^2+7*x-1)$  lgdogf  
A155196 5.67152  $[{a(n+3)-7*a(n+2)-a(n+1), a(0) = 1, a(1) = 6, a(2) = 42},$  ogf]  
A155196 8.59069  $[-(6*x^2+6)/(-x^4-8*x^3-5*x^2+8*x-1)$  lgdogf]  
A155197 11.5873  $[(x^2+x-1)/(x^2+8*x-1)$  ogf]  
A155197 19.4239  $7*(1+x^2)/(x^2+x-1)/(x^2+8*x-1)$  lgdogf  
A155197 5.96238  $[{a(n+3)-8*a(n+2)-a(n+1), a(0) = 1, a(1) = 7, a(2) = 56},$  ogf]  
A155197 9.03125  $[-(-7*x^2-7)/(x^4+9*x^3+6*x^2-9*x+1)$  lgdogf]  
A155198 10.7778  $[(x^2+x-1)/(x^2+9*x-1)$  ogf]  
A155198 18.0466  $8*(1+x^2)/(x^2+x-1)/(x^2+9*x-1)$  lgdogf  
A155198 5.54583  $[{a(n+3)-9*a(n+2)-a(n+1), a(0) = 1, a(1) = 8, a(2) = 72},$  ogf]  
A155198 8.16030  $[-(-8*x^2-8)/(x^4+10*x^3+7*x^2-10*x+1)$  lgdogf]  
A155199 5.00257  $[{a(n+3)-10*a(n+2)-a(n+1), a(0) = 1, a(1) = 9, a(2) = 90},$  ogf]  
A155199 7.43239  $[-(9*x^2+9)/(-x^4-11*x^3-8*x^2+11*x-1)$  lgdogf]  
A155199 9.63457  $[(x^2+x-1)/(x^2+10*x-1)$  ogf]  
A155212 12.9033  $[-(2*x^2+2*x-7)/(2*x^3-3*x^2-x+2)$  lgdogf]  
A155212 13.5379  $[(2*x^2-x-2)/(x-1)^3$  ogf]  
A155212 22.5001  $-(13-12*x+2*x^2)/(x-1)/(2*x^2-8*x+7)$  lgdogf  
A155212 7.30804  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 7, a(2) = 13},$  ogf]  
A155449 10.9564  $[-(6*x^3+16*x^2+35*x+11)/(6*x^4+5*x^3-5*x-6)$  lgdogf]  
A155449 13.4710  $[(6*x^2+5*x+6)/(x+1)/(x-1)^2$  ogf]  
A155449 16.4444  $-(11+35*x+16*x^2+6*x^3)/(x-1)/(x+1)/(6*x^2+5*x+6)$  lgdogf  
A155449 7.20816  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 6, a(1) = 11, a(2) = 23},$  ogf]  
A155450 10.8272  $[-(-5*x^3-31*x^2-38*x-18)/(-5*x^4-13*x^3+13*x+5)$  lgdogf]  
A155450 13.4467  $[(5*x^2+13*x+5)/(x+1)/(x-1)^2$  ogf]  
A155450 16.3548  $-(18+38*x+5*x^3+31*x^2)/(x-1)/(x+1)/(5*x^2+13*x+5)$  lgdogf  
A155450 7.31313  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 18, a(2) = 28},$  ogf]  
A155455 11.9345  $[-(-32*x-5)/(-16*x^2-5*x+1)$  lgdogf]  
A155455 14.6898  $(1+16*x^2)/(16*x^2+5*x-1)/(16*x^2+4*x-1)$  lgdogf  
A155455 15.7033  $[-x/(16*x^2+5*x-1)$  ogf]  
A155455 7.27715  $[{-a(n+2)+5*a(n+1)+16*a(n), a(0) = 0, a(1) = 1},$  ogf]  
A155456 4.05155  $[{n^2*a(n)+(n^2+4*n+2)*a(n+1)+(n+2)*a(n+2), a(0) = -1, a(1) = -1},$  ogf]  
A155458 11.7906  $[(25*x^2+5*x-1)/(25*x^2+6*x-1)$  ogf]  
A155458 15.9076  $(1+25*x^2)/(25*x^2+6*x-1)/(25*x^2+5*x-1)$  lgdogf  
A155458 6.29595  $[{a(n+3)-6*a(n+2)-25*a(n+1), a(0) = 1, a(1) = 1, a(2) = 6},$  ogf]  
A155458 8.64644  $[-(25*x^2+1)/(-625*x^4-275*x^3+20*x^2+11*x-1)$  lgdogf]  
A155459 10.0646  $[(36*x^2+6*x-1)/(36*x^2+7*x-1)$  ogf]  
A155459 5.37432  $[{a(n+3)-7*a(n+2)-36*a(n+1), a(0) = 1, a(1) = 1, a(2) = 7},$  ogf]  
A155459 7.28362  $[-(36*x^2+1)/(-1296*x^4-468*x^3+30*x^2+13*x-1)$  lgdogf]  
A155460 10.5465  $[(49*x^2+7*x-1)/(49*x^2+8*x-1)$  ogf]  
A155460 14.2069  $(1+49*x^2)/(49*x^2+7*x-1)/(49*x^2+8*x-1)$  lgdogf  
A155460 5.63160  $[{a(n+3)-8*a(n+2)-49*a(n+1), a(0) = 1, a(1) = 1, a(2) = 8},$  ogf]  
A155460 7.63230  $[-(49*x^2+1)/(-2401*x^4-735*x^3+42*x^2+15*x-1)$  lgdogf]

A155461 10.9795  $[-(21x^2+56x-83)/(21x^3-14x^2-37x+30) \text{ lgdogf}]$   
A155461 12.3737  $[(21x^2+7x-30)/(x-1)^3 \text{ ogf}]$   
A155461 19.1102  $-(-83+56x+21x^2)/(x-1)/(21x^2+7x-30) \text{ lgdogf}$   
A155461 6.72020  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 30, a(1) = 83, a(2) = 138}, \text{ ogf}]$   
A155464 10.0027  $[17x(x-3)/(x-1)/(x^2-6x+1) \text{ ogf}]$   
A155464 12.3654  $-2*(-10+21x-8x^2+x^3)/(x-1)/(x-3)/(x^2+1-6x) \text{ lgdogf}$   
A155464 5.17683  $[{-a(n+3)+7a(n+2)-7a(n+1)+a(n), a(0) = 0, a(1) = 51, a(2) = 340}, \text{ ogf}]$   
A155464 6.86231  $[-(2x^3-16x^2+42x-20)/(x^4-10x^3+28x^2-22x+3) \text{ lgdogf}]$   
A155465 5.23602  $[{-a(n+3)+7a(n+2)-7a(n+1)+a(n), a(0) = 7, a(1) = 88, a(2) = 555}, \text{ ogf}]$   
A155465 8.80834  $-2*(-44+61x+84x^2-39x^3+6x^4)/(x-1)/(x^2-6x+1)/(12x^2-39x-7) \text{ lgdogf}$   
A155465 9.55781  $[(12x^2-39x-7)/(x-1)/(x^2-6x+1) \text{ ogf}]$   
A155466 4.79095  $[{-a(n+3)+7a(n+2)-7a(n+1)+a(n), a(0) = 28, a(1) = 207, a(2) = 1248}, \text{ ogf}]$   
A155466 8.14051  $-(-207+402x-42x^2-22x^3+5x^4)/(-1+x)/(x^2-6x+1)/(5x^2-11x-28) \text{ lgdogf}$   
A155466 8.97352  $[(5x^2-11x-28)/(x-1)/(x^2-6x+1) \text{ ogf}]$   
A155477 17.9429  $[-43/(1849x-1) \text{ ogf}]$   
A155477 30.0443  $-1849/(-1+1849x) \text{ lgdogf}$   
A155477 30.0443  $1/1849*\ln(1+43x) \text{ revegf}$   
A155477 9.29186  $[{a(n+1)-1849a(n), a(0) = 43}, \text{ ogf}]$   
A155485 11.5204  $[-(3x-1)^2/(x-1)/(4x-1)/(5x-1) \text{ ogf}]$   
A155485 12.9392  $-4*(-1+7x+15x^3-15x^2)/(x-1)/(-1+4x)/(3x-1)/(5x-1) \text{ lgdogf}$   
A155485 6.35610  $[{-a(n+3)+10a(n+2)-29a(n+1)+20a(n), a(0) = 1, a(1) = 4, a(2) = 20}, \text{ ogf}]$   
A155485 8.37850  $[-(60x^3-60x^2+28x-4)/(60x^4-107x^3+59x^2-13x+1) \text{ lgdogf}]$   
A155519 5.46280  $[{(n^2+3n)*a(n)-a(n+2)+2a(n+1), a(0) = 1, a(1) = 2}, \text{ ogf}]$   
A155521 3.69033  $[{(-n^2-6n-9)*a(n+1)+(-n^2-5n-5)*a(n+2)+(n+2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 1}, \text{ ogf}]$   
A155542 10.2648  $[-(-25x^2-50x-9)/(-25x^3-33x^2-7x+1) \text{ lgdogf}]$   
A155542 15.1740  $[-2*(x+1)/(25x^2+8x-1) \text{ ogf}]$   
A155542 17.5903  $(-1-4x+(1+10x+41x^2)^{1/2})/(2+25x) \text{ revogf}$   
A155542 18.5411  $-(5x+9)*(5x+1)/(x+1)/(25x^2+8x-1) \text{ lgdogf}$   
A155542 8.30958  $[{-a(n+2)+8a(n+1)+25a(n), a(0) = 2, a(1) = 18}, \text{ ogf}]$   
A155543 17.7799  $[2*(2x-1)/(4x-1) \text{ ogf}]$   
A155543 18.2738  $[-2/(-8x^2+6x-1) \text{ lgdogf}]$   
A155543 22.2463  $1/4+1/2x-1/4*(4x^2+1)^{1/2} \text{ revogf}$   
A155543 37.9497  $2/(4x-1)/(2x-1) \text{ lgdogf}$   
A155543 9.13689  $[{a(n+2)-4a(n+1), a(0) = 2, a(1) = 4}, \text{ ogf}]$   
A155557 10.1469  $-(53093-106170x+53089x^2)/(x-1)/(53089x^2-106174x+53089) \text{ lgdogf}$   
A155557 5.01952  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 53089, a(1) = 53093, a(2) = 53101}, \text{ ogf}]$   
A155557 8.41108  $[-(53089x^2-106174x+53089)/(x-1)^3 \text{ ogf}]$   
A155559 11.0757  $[{-a(n+2)+2a(n+1), a(0) = 0, a(1) = 2}, \text{ ogf}]$   
A155559 27.1165  $[-2x/(2x-1) \text{ ogf}]$   
A155559 28.0849  $[2/(-2x+1) \text{ lgdogf}]$   
A155559 70.5272  $1/2*\ln(x+1) \text{ revegf}$   
A155559 77.5799  $-2/(2x-1) \text{ lgdogf}$   
A155579 14.2802  $-1/9*(1-3x)^{1/2}+1/3*(1-3x)^{1/2}*x+1/9 \text{ revogf}$   
A155579 5.82809  $[{(-9n-12)*a(n+1)+(n+3)*a(n+2), a(0) = 2, a(1) = 3}, \text{ ogf}]$   
A155579 8.49929  $[1/3*(1-3x)^{1/2}*x-1/9*(1-3x)^{1/2}+1/9 \text{ revogf}]$   
A155587 4.37248  $[{(-4n-6)*a(n+1)+(5n+9)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 3}, \text{ ogf}]$   
A155587 9.73771  $1/2*(-4x^2-19x+5+3*(-(4x-1)*(x-1)^2)^{1/2})/(x+2)/(4x-1)/(x-1) \text{ lgdogf}$   
A155588 5.29509  $[{a(n+3)-8a(n+2)+17a(n+1)-10a(n), a(0) = 1, a(1) = 6, a(2) = 28}, \text{ ogf}]$

A155588 8.52244  $-2*(-3+20*x-44*x^2+20*x^3+15*x^4)/(x-1)/(3*x-1)/(-1+2*x)/(5*x-1)/(x+1)$  lgdogf  
A155588 9.66563  $[(x+1)*(3*x-1)/(x-1)/(2*x-1)/(5*x-1)$  ogf]  
A155589 5.26834  $[{a(n+3)-9*a(n+2)+20*a(n+1)-12*a(n), a(0) = 1, a(1) = 7, a(2) = 39},$  ogf]  
A155589 8.73061  $-(-7+48*x+48*x^4+48*x^3-112*x^2)/(x-1)/(6*x-1)/(2*x-1)/(4*x^2+2*x-1)$  lgdogf  
A155589 9.61681  $[(4*x^2+2*x-1)/(x-1)/(6*x-1)/(2*x-1)$  ogf]  
A155590 5.01010  $[{a(n+3)-10*a(n+2)+23*a(n+1)-14*a(n), a(0) = 1, a(1) = 8, a(2) = 52},$  ogf]  
A155590 8.49535  $-2*(x+2)*(35*x^3-42*x^2+15*x-2)/(x-1)/(2*x-1)/(7*x-1)/(5*x^2+2*x-1)$  lgdogf  
A155590 9.08081  $[(5*x^2+2*x-1)/(x-1)/(2*x-1)/(7*x-1)$  ogf]  
A155592 5.29418  $[{a(n+3)-11*a(n+2)+26*a(n+1)-16*a(n), a(0) = 1, a(1) = 9, a(2) = 67},$  ogf]  
A155592 8.85503  $-(-9+64*x-166*x^2+64*x^3+96*x^4)/(x-1)/(8*x-1)/(2*x-1)/(6*x^2+2*x-1)$  lgdogf  
A155592 9.59570  $[(6*x^2+2*x-1)/(x-1)/(8*x-1)/(2*x-1)$  ogf]  
A155593 4.90740  $[{a(n+3)-12*a(n+2)+29*a(n+1)-18*a(n), a(0) = 1, a(1) = 10, a(2) = 84},$  ogf]  
A155593 8.15055  $-2*(-5+36*x-98*x^2+36*x^3+63*x^4)/(x-1)/(2*x-1)/(9*x-1)/(7*x^2+2*x-1)$  lgdogf  
A155593 8.97134  $[(7*x^2+2*x-1)/(x-1)/(2*x-1)/(9*x-1)$  ogf]  
A155594 4.70297  $[{a(n+3)-13*a(n+2)+32*a(n+1)-20*a(n), a(0) = 1, a(1) = 11, a(2) = 103},$  ogf]  
A155594 7.24519  $-(-11+80*x-228*x^2+80*x^3+160*x^4)/(-1+x)/(-1+4*x)/(2*x+1)/(2*x-1)/(10*x-1)$  lgdogf  
A155594 8.67111  $[(2*x+1)*(4*x-1)/(x-1)/(2*x-1)/(10*x-1)$  ogf]  
A155595 4.70297  $[{a(n+3)-14*a(n+2)+35*a(n+1)-22*a(n), a(0) = 1, a(1) = 12, a(2) = 124},$  ogf]  
A155595 7.54708  $-2*(-6+44*x-131*x^2+44*x^3+99*x^4)/(-1+x)/(2*x-1)/(11*x-1)/(9*x^2+2*x-1)$  lgdogf  
A155595 8.67111  $[(9*x^2+2*x-1)/(x-1)/(2*x-1)/(11*x-1)$  ogf]  
A155596 5.29509  $[{a(n+3)-8*a(n+2)+17*a(n+1)-10*a(n), a(0) = 1, a(1) = 4, a(2) = 22},$  ogf]  
A155596 8.64595  $-2*(2-10*x+21*x^2-40*x^3+35*x^4)/(x-1)/(-1+2*x)/(5*x-1)/(7*x^2-4*x+1)$  lgdogf  
A155596 9.66563  $[-(7*x^2-4*x+1)/(x-1)/(2*x-1)/(5*x-1)$  ogf]  
A155597 5.26834  $[{a(n+3)-9*a(n+2)+20*a(n+1)-12*a(n), a(0) = 1, a(1) = 5, a(2) = 33},$  ogf]  
A155597 9.57551  $-(4*x^2+1)*(24*x^2-24*x+5)/(x-1)/(6*x-1)/(2*x-1)/(8*x^2-4*x+1)$  lgdogf  
A155597 9.61681  $[-(8*x^2-4*x+1)/(x-1)/(6*x-1)/(2*x-1)$  ogf]  
A155598 5.01010  $[{a(n+3)-10*a(n+2)+23*a(n+1)-14*a(n), a(0) = 1, a(1) = 6, a(2) = 46},$  ogf]  
A155598 8.37042  $-2*(3-14*x+22*x^2-56*x^3+63*x^4)/(x-1)/(2*x-1)/(7*x-1)/(9*x^2-4*x+1)$  lgdogf  
A155598 9.08081  $[-(9*x^2-4*x+1)/(x-1)/(2*x-1)/(7*x-1)$  ogf]  
A155599 5.29418  $[{a(n+3)-11*a(n+2)+26*a(n+1)-16*a(n), a(0) = 1, a(1) = 7, a(2) = 61},$  ogf]  
A155599 8.72669  $-(-7-32*x+42*x^2-128*x^3+160*x^4)/(x-1)/(8*x-1)/(2*x-1)/(10*x^2-4*x+1)$  lgdogf  
A155599 9.44808  $[-(10*x^2-4*x+1)/(x-1)/(8*x-1)/(2*x-1)$  ogf]  
A155600 4.92432  $[{a(n+3)-12*a(n+2)+29*a(n+1)-18*a(n), a(0) = 1, a(1) = 8, a(2) = 78},$  ogf]  
A155600 8.10788  $-2*(4-18*x+19*x^2-72*x^3+99*x^4)/(x-1)/(2*x-1)/(9*x-1)/(11*x^2-4*x+1)$  lgdogf  
A155600 8.78802  $[-(11*x^2-4*x+1)/(x-1)/(2*x-1)/(9*x-1)$  ogf]  
A155601 4.92432  $[{a(n+3)-13*a(n+2)+32*a(n+1)-20*a(n), a(0) = 1, a(1) = 9, a(2) = 97},$  ogf]  
A155601 7.99205  $-(-9-40*x+32*x^2-160*x^3+240*x^4)/(x-1)/(2*x-1)/(10*x-1)/$

$(12x^2-4x+1)$  lgdogf  
A155601 8.78802 [  $-(12x^2-4x+1)/(x-1)/(2x-1)/(10x-1)$  ogf]  
A155602 10.4422 [  $(5x^2+2x-1)/(x-1)/(3x-1)/(4x-1)$  ogf]  
A155602 5.72049 [  $\{a(n+3)-8a(n+2)+19a(n+1)-12a(n), a(0) = 1, a(1) = 6, a(2) = 24\}$ , ogf]  
A155602 9.62902  $-6*(-1+8x+10x^4+8x^3-19x^2)/(x-1)/(4x-1)/(3x-1)/(5x^2+2x-1)$  lgdogf  
A155603 5.29509 [  $\{a(n+3)-9a(n+2)+23a(n+1)-15a(n), a(0) = 1, a(1) = 7, a(2) = 33\}$ , ogf]  
A155603 8.64595  $-(-7+60x-154x^2+60x^3+105x^4)/(x-1)/(3x-1)/(5x-1)/(7x^2+2x-1)$  lgdogf  
A155603 9.66563 [  $(7x^2+2x-1)/(x-1)/(3x-1)/(5x-1)$  ogf]  
A155604 5.22292 [  $\{a(n+3)-10a(n+2)+27a(n+1)-18a(n), a(0) = 1, a(1) = 8, a(2) = 44\}$ , ogf]  
A155604 8.48116  $-2*(-4+36x+81x^4+36x^3-99x^2)/(x-1)/(6x-1)/(-1+3x)/(9x^2+2x-1)$  lgdogf  
A155604 9.46655 [  $(9x^2+2x-1)/(x-1)/(6x-1)/(3x-1)$  ogf]  
A155605 5.01010 [  $\{a(n+3)-11a(n+2)+31a(n+1)-21a(n), a(0) = 1, a(1) = 9, a(2) = 57\}$ , ogf]  
A155605 8.01674  $-3*(-3+28x-82x^2+28x^3+77x^4)/(x-1)/(-1+3x)/(7x-1)/(11x^2+2x-1)$  lgdogf  
A155605 8.94111 [  $(11x^2+2x-1)/(x-1)/(3x-1)/(7x-1)$  ogf]  
A155606 5.27453 [  $\{a(n+3)-12a(n+2)+35a(n+1)-24a(n), a(0) = 1, a(1) = 10, a(2) = 72\}$ , ogf]  
A155606 8.17753  $-2*(-5+48x-149x^2+48x^3+156x^4)/(x-1)/(-1+3x)/(-1+8x)/(13x^2+2x-1)$  lgdogf  
A155606 9.49415 [  $(13x^2+2x-1)/(x-1)/(3x-1)/(8x-1)$  ogf]  
A155607 4.90740 [  $\{a(n+3)-13a(n+2)+39a(n+1)-27a(n), a(0) = 1, a(1) = 11, a(2) = 89\}$ , ogf]  
A155607 7.49851  $-(-11+108x-354x^2+108x^3+405x^4)/(x-1)/(-1+3x)/(9x-1)/(3x+1)/(5x-1)$  lgdogf  
A155607 8.83332 [  $(3x+1)*(5x-1)/(x-1)/(3x-1)/(9x-1)$  ogf]  
A155608 4.70297 [  $\{a(n+3)-14a(n+2)+43a(n+1)-30a(n), a(0) = 1, a(1) = 12, a(2) = 108\}$ , ogf]  
A155608 7.54708  $-6*(-2+20x-69x^2+20x^3+85x^4)/(-1+x)/(3x-1)/(10x-1)/(17x^2+2x-1)$  lgdogf  
A155608 8.53771 [  $(17x^2+2x-1)/(x-1)/(3x-1)/(10x-1)$  ogf]  
A155609 10.1300 [  $-(11x^2-6x+1)/(x-1)/(3x-1)/(4x-1)$  ogf]  
A155609 5.68704 [  $\{a(n+3)-8a(n+2)+19a(n+1)-12a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A155609 9.34721  $-2*(1-8x+31x^2-72x^3+66x^4)/(x-1)/(3x-1)/(4x-1)/(11x^2-6x+1)$  lgdogf  
A155610 5.26821 [  $\{a(n+3)-9a(n+2)+23a(n+1)-15a(n), a(0) = 1, a(1) = 3, a(2) = 17\}$ , ogf]  
A155610 8.60115  $-(-3-20x+66x^2-180x^3+195x^4)/(x-1)/(3x-1)/(5x-1)/(13x^2-6x+1)$  lgdogf  
A155610 9.46631 [  $-(13x^2-6x+1)/(x-1)/(3x-1)/(5x-1)$  ogf]  
A155611 5.22292 [  $\{a(n+3)-10a(n+2)+27a(n+1)-18a(n), a(0) = 1, a(1) = 4, a(2) = 28\}$ , ogf]  
A155611 8.99517  $-2*(9x^2+1)*(15x^2-12x+2)/(x-1)/(6x-1)/(-1+3x)/(15x^2-6x+1)$  lgdogf  
A155611 9.32091 [  $-(15x^2-6x+1)/(x-1)/(6x-1)/(3x-1)$  ogf]  
A155612 5.01010 [  $\{a(n+3)-11a(n+2)+31a(n+1)-21a(n), a(0) = 1, a(1) = 5, a(2) = 41\}$ , ogf]  
A155612 8.13127  $-(-5-28x+62x^2-252x^3+357x^4)/(x-1)/(-1+3x)/(7x-1)/(17x^2-6x+1)$  lgdogf  
A155612 8.94111 [  $-(17x^2-6x+1)/(x-1)/(3x-1)/(7x-1)$  ogf]  
A155613 5.29418 [  $\{a(n+3)-12a(n+2)+35a(n+1)-24a(n), a(0) = 1, a(1) = 6, a(2) = 56\}$ , ogf]  
A155613 8.48087  $-2*(3-16x+27x^2-144x^3+228x^4)/(x-1)/(3x-1)/(8x-1)/(19x^2-6x+1)$  lgdogf

A155613 9.44808 [  $-(19x^2-6x+1)/(x-1)/(3x-1)/(8x-1)$  ogf]  
A155614 4.92432 [  $\{a(n+3)-13a(n+2)+39a(n+1)-27a(n), a(0) = 1, a(1) = 7, a(2) = 73\}$ , ogf]  
A155614 7.99205  $-(7-36x+42x^2-324x^3+567x^4)/(x-1)/(-1+3x)/(9x-1)/(21x^2-6x+1)$  lgdogf  
A155614 8.78802 [  $-(21x^2-6x+1)/(x-1)/(3x-1)/(9x-1)$  ogf]  
A155615 4.92432 [  $\{a(n+3)-14a(n+2)+43a(n+1)-30a(n), a(0) = 1, a(1) = 8, a(2) = 92\}$ , ogf]  
A155615 7.66361  $-2(4-20x+13x^2-180x^3+345x^4)/(x-1)/(-1+3x)/(10x-1)/(23x^2-6x+1)$  lgdogf  
A155615 8.78802 [  $-(23x^2-6x+1)/(x-1)/(3x-1)/(10x-1)$  ogf]  
A155616 5.27609 [  $\{a(n+3)-10a(n+2)+29a(n+1)-20a(n), a(0) = 1, a(1) = 8, a(2) = 40\}$ , ogf]  
A155616 8.44594  $-4(-2+20x-57x^2+20x^3+55x^4)/(x-1)/(5x-1)/(-1+4x)/(11x^2+2x-1)$  lgdogf  
A155616 9.41578 [  $(11x^2+2x-1)/(x-1)/(4x-1)/(5x-1)$  ogf]  
A155617 5.22292 [  $\{a(n+3)-11a(n+2)+34a(n+1)-24a(n), a(0) = 1, a(1) = 9, a(2) = 51\}$ , ogf]  
A155617 8.36171  $-3(-3+32x+112x^2+32x^3-98x^4)/(x-1)/(6x-1)/(4x-1)/(14x^2+2x-1)$  lgdogf  
A155617 9.32091 [  $(14x^2+2x-1)/(x-1)/(6x-1)/(4x-1)$  ogf]  
A155618 4.99288 [  $\{a(n+3)-12a(n+2)+39a(n+1)-28a(n), a(0) = 1, a(1) = 10, a(2) = 64\}$ , ogf]  
A155618 7.83814  $-2(-5+56x-183x^2+56x^3+238x^4)/(x-1)/(7x-1)/(-1+4x)/(17x^2+2x-1)$  lgdogf  
A155618 8.98718 [  $(17x^2+2x-1)/(x-1)/(7x-1)/(4x-1)$  ogf]  
A155619 5.27453 [  $\{a(n+3)-13a(n+2)+44a(n+1)-32a(n), a(0) = 1, a(1) = 11, a(2) = 79\}$ , ogf]  
A155619 8.06850  $-(-11+128x-444x^2+128x^3+640x^4)/(x-1)/(-1+4x)/(-1+8x)/(20x^2+2x-1)$  lgdogf  
A155619 9.49415 [  $(20x^2+2x-1)/(x-1)/(8x-1)/(4x-1)$  ogf]  
A155620 4.90740 [  $\{a(n+3)-14a(n+2)+49a(n+1)-36a(n), a(0) = 1, a(1) = 12, a(2) = 96\}$ , ogf]  
A155620 8.03411  $-12(x+1)(69x^3-57x^2+13x-1)/(x-1)/(-1+4x)/(9x-1)/(23x^2+2x-1)$  lgdogf  
A155620 8.83332 [  $(23x^2+2x-1)/(x-1)/(4x-1)/(9x-1)$  ogf]  
A155621 4.70297 [  $\{a(n+3)-15a(n+2)+54a(n+1)-40a(n), a(0) = 1, a(1) = 13, a(2) = 115\}$ , ogf]  
A155621 7.05701  $-(-13+160x-618x^2+160x^3+1040x^4)/(-1+x)/(-1+4x)/(10x-1)/(26x^2+2x-1)$  lgdogf  
A155621 8.53771 [  $(26x^2+2x-1)/(x-1)/(4x-1)/(10x-1)$  ogf]  
A155622 4.70297 [  $\{a(n+3)-14a(n+2)+35a(n+1)-22a(n), a(0) = 1, a(1) = 10, a(2) = 118\}$ , ogf]  
A155622 7.54708  $-2(5-22x+12x^2-88x^3+143x^4)/(-1+x)/(2x-1)/(11x-1)/(13x^2-4x+1)$  lgdogf  
A155622 8.53771 [  $-(13x^2-4x+1)/(x-1)/(2x-1)/(11x-1)$  ogf]  
A155623 4.70297 [  $\{a(n+3)-15a(n+2)+47a(n+1)-33a(n), a(0) = 1, a(1) = 13, a(2) = 129\}$ , ogf]  
A155623 7.24519  $-(-13+132x-478x^2+132x^3+627x^4)/(-1+x)/(3x-1)/(11x-1)/(19x^2+2x-1)$  lgdogf  
A155623 8.53771 [  $(19x^2+2x-1)/(x-1)/(3x-1)/(11x-1)$  ogf]  
A155624 4.71847 [  $\{a(n+3)-15a(n+2)+47a(n+1)-33a(n), a(0) = 1, a(1) = 9, a(2) = 113\}$ , ogf]  
A155624 7.83332  $-(9-44x+6x^2-396x^3+825x^4)/(x-1)/(3x-1)/(11x-1)/(25x^2-6x+1)$  lgdogf  
A155624 8.49325 [  $-(25x^2-6x+1)/(x-1)/(3x-1)/(11x-1)$  ogf]  
A155625 4.70297 [  $\{a(n+3)-16a(n+2)+59a(n+1)-44a(n), a(0) = 1, a(1) = 14, a(2) = 136\}$ , ogf]  
A155625 7.24519  $-2(-7+88x-357x^2+88x^3+638x^4)/(-1+x)/(-1+4x)/(11x-1)/(29x^2+2x-1)$  lgdogf  
A155625 8.53771 [  $(29x^2+2x-1)/(x-1)/(4x-1)/(11x-1)$  ogf]

A155626 5.22279 [ $\{-a(n+3)+10*a(n+2)-29*a(n+1)+20*a(n), a(0) = 1, a(1) = 2, a(2) = 10\}$ , ogf]  
A155626 8.24277  $-2*(1-10*x+51*x^2-160*x^3+190*x^4)/(x-1)/(-1+4*x)/(5*x-1)/(19*x^2-8*x+1)$  lgdogf  
A155626 9.32068 [ $-(19*x^2-8*x+1)/(x-1)/(4*x-1)/(5*x-1)$  ogf]  
A155627 5.19668 [ $\{a(n+3)-11*a(n+2)+34*a(n+1)-24*a(n), a(0) = 1, a(1) = 3, a(2) = 21\}$ , ogf]  
A155627 8.31883  $-3*(1-8*x+34*x^2-128*x^3+176*x^4)/(x-1)/(6*x-1)/(-1+4*x)/(22*x^2-8*x+1)$  lgdogf  
A155627 9.27408 [ $-(22*x^2-8*x+1)/(x-1)/(6*x-1)/(4*x-1)$  ogf]  
A155628 5.01010 [ $\{a(n+3)-12*a(n+2)+39*a(n+1)-28*a(n), a(0) = 1, a(1) = 4, a(2) = 34\}$ , ogf]  
A155628 8.01674  $-4*(1-7*x+24*x^2-112*x^3+175*x^4)/(x-1)/(-1+4*x)/(7*x-1)/(25*x^2-8*x+1)$  lgdogf  
A155628 8.94111 [ $-(25*x^2-8*x+1)/(x-1)/(7*x-1)/(4*x-1)$  ogf]  
A155629 5.29418 [ $\{a(n+3)-13*a(n+2)+44*a(n+1)-32*a(n), a(0) = 1, a(1) = 5, a(2) = 49\}$ , ogf]  
A155629 8.72669  $-(5-32*x+84*x^2-512*x^3+896*x^4)/(x-1)/(8*x-1)/(4*x-1)/(28*x^2-8*x+1)$  lgdogf  
A155629 9.44808 [ $-(28*x^2-8*x+1)/(x-1)/(8*x-1)/(4*x-1)$  ogf]  
A155630 4.92432 [ $\{a(n+3)-14*a(n+2)+49*a(n+1)-36*a(n), a(0) = 1, a(1) = 6, a(2) = 66\}$ , ogf]  
A155630 7.99205  $-6*(1-6*x+11*x^2-96*x^3+186*x^4)/(x-1)/(-1+4*x)/(9*x-1)/(31*x^2-8*x+1)$  lgdogf  
A155630 8.78802 [ $-(31*x^2-8*x+1)/(x-1)/(4*x-1)/(9*x-1)$  ogf]  
A155631 4.92432 [ $\{a(n+3)-15*a(n+2)+54*a(n+1)-40*a(n), a(0) = 1, a(1) = 7, a(2) = 85\}$ , ogf]  
A155631 7.77005  $-(7-40*x+42*x^2-640*x^3+1360*x^4)/(x-1)/(-1+4*x)/(10*x-1)/(34*x^2-8*x+1)$  lgdogf  
A155631 8.78802 [ $-(34*x^2-8*x+1)/(x-1)/(4*x-1)/(10*x-1)$  ogf]  
A155632 4.71847 [ $\{a(n+3)-16*a(n+2)+59*a(n+1)-44*a(n), a(0) = 1, a(1) = 8, a(2) = 106\}$ , ogf]  
A155632 7.50693  $-4*(2-11*x+3*x^2-176*x^3+407*x^4)/(x-1)/(-1+4*x)/(11*x-1)/(37*x^2-8*x+1)$  lgdogf  
A155632 8.49325 [ $-(37*x^2-8*x+1)/(x-1)/(4*x-1)/(11*x-1)$  ogf]  
A155633 4.71123 [ $\{a(n+3)-12*a(n+2)+41*a(n+1)-30*a(n), a(0) = 1, a(1) = 10, a(2) = 60\}$ , ogf]  
A155633 7.59481  $-10*(-1+12*x+12*x^3+57*x^4-40*x^2)/(x-1)/(6*x-1)/(5*x-1)/(19*x^2+2*x-1)$  lgdogf  
A155633 8.48022 [ $(19*x^2+2*x-1)/(x-1)/(6*x-1)/(5*x-1)$  ogf]  
A155634 4.99288 [ $\{a(n+3)-13*a(n+2)+47*a(n+1)-35*a(n), a(0) = 1, a(1) = 11, a(2) = 73\}$ , ogf]  
A155634 7.83814  $-(-11+140*x-498*x^2+140*x^3+805*x^4)/(x-1)/(7*x-1)/(5*x-1)/(23*x^2+2*x-1)$  lgdogf  
A155634 8.98718 [ $(23*x^2+2*x-1)/(x-1)/(7*x-1)/(5*x-1)$  ogf]  
A155635 5.27453 [ $\{a(n+3)-14*a(n+2)+53*a(n+1)-40*a(n), a(0) = 1, a(1) = 12, a(2) = 88\}$ , ogf]  
A155635 8.28955  $-4*(-3+40*x-151*x^2+40*x^3+270*x^4)/(x-1)/(-1+8*x)/(5*x-1)/(27*x^2+2*x-1)$  lgdogf  
A155635 9.49415 [ $(27*x^2+2*x-1)/(x-1)/(8*x-1)/(5*x-1)$  ogf]  
A155636 4.89076 [ $\{a(n+3)-15*a(n+2)+59*a(n+1)-45*a(n), a(0) = 1, a(1) = 13, a(2) = 105\}$ , ogf]  
A155636 7.63963  $-(-13+180*x-718*x^2+180*x^3+1395*x^4)/(x-1)/(9*x-1)/(5*x-1)/(31*x^2+2*x-1)$  lgdogf  
A155636 8.87862 [ $(31*x^2+2*x-1)/(x-1)/(9*x-1)/(5*x-1)$  ogf]  
A155637 4.70297 [ $\{a(n+3)-16*a(n+2)+65*a(n+1)-50*a(n), a(0) = 1, a(1) = 14, a(2) = 124\}$ , ogf]  
A155637 7.05701  $-2*(-7+100*x-420*x^2+100*x^3+875*x^4)/(-1+x)/(5*x+1)/(7*x-1)/(5*x-1)/(10*x-1)$  lgdogf  
A155637 8.53771 [ $(5*x+1)*(7*x-1)/(x-1)/(5*x-1)/(10*x-1)$  ogf]  
A155638 4.70297 [ $\{a(n+3)-17*a(n+2)+71*a(n+1)-55*a(n), a(0) = 1, a(1) = 15, a(2) = 145\}$ , ogf]



= 145}, ogf]  
 A155638 7.34310  $-5*(-3+44*x-194*x^2+44*x^3+429*x^4)/(-1+x)/(5*x-1)/(11*x-1)/(39*x^2+2*x-1)$  lgdogf  
 A155638 8.53771 [ (39\*x^2+2\*x-1)/(x-1)/(5\*x-1)/(11\*x-1) ogf]  
 A155639 5.11794 [ {-a(n+3)+12\*a(n+2)-41\*a(n+1)+30\*a(n), a(0) = 1, a(1) = 2, a(2) = 12}, ogf]  
 A155639 8.07644  $-2*(1-12*x+76*x^2-300*x^3+435*x^4)/(x-1)/(6*x-1)/(5*x-1)/(29*x^2-10*x+1)$  lgdogf  
 A155639 8.99517 [ -(29\*x^2-10\*x+1)/(x-1)/(6\*x-1)/(5\*x-1) ogf]  
 A155640 5.01010 [ {a(n+3)-13\*a(n+2)+47\*a(n+1)-35\*a(n), a(0) = 1, a(1) = 3, a(2) = 25}, ogf]  
 A155640 7.90540  $-(3-28*x+146*x^2-700*x^3+1155*x^4)/(x-1)/(7*x-1)/(5*x-1)/(33*x^2-10*x+1)$  lgdogf  
 A155640 8.80564 [ -(33\*x^2-10\*x+1)/(x-1)/(7\*x-1)/(5\*x-1) ogf]  
 A155641 5.29418 [ {a(n+3)-14\*a(n+2)+53\*a(n+1)-40\*a(n), a(0) = 1, a(1) = 4, a(2) = 40}, ogf]  
 A155641 8.48087  $-4*(1-8*x+33*x^2-200*x^3+370*x^4)/(x-1)/(8*x-1)/(5*x-1)/(37*x^2-10*x+1)$  lgdogf  
 A155641 9.30492 [ -(37\*x^2-10\*x+1)/(x-1)/(8\*x-1)/(5\*x-1) ogf]  
 A155642 4.92432 [ {a(n+3)-15\*a(n+2)+59\*a(n+1)-45\*a(n), a(0) = 1, a(1) = 5, a(2) = 57}, ogf]  
 A155642 7.77005  $-(5-36*x+110*x^2-900*x^3+1845*x^4)/(x-1)/(9*x-1)/(5*x-1)/(41*x^2-10*x+1)$  lgdogf  
 A155642 8.65486 [ -(41\*x^2-10\*x+1)/(x-1)/(9\*x-1)/(5\*x-1) ogf]  
 A155643 4.92432 [ {a(n+3)-16\*a(n+2)+65\*a(n+1)-50\*a(n), a(0) = 1, a(1) = 6, a(2) = 76}, ogf]  
 A155643 7.56005  $-2*(3-20*x+40*x^2-500*x^3+1125*x^4)/(x-1)/(5*x-1)/(10*x-1)/(45*x^2-10*x+1)$  lgdogf  
 A155643 8.65486 [ -(45\*x^2-10\*x+1)/(x-1)/(5\*x-1)/(10\*x-1) ogf]  
 A155644 4.73422 [ {a(n+3)-17\*a(n+2)+71\*a(n+1)-55\*a(n), a(0) = 1, a(1) = 7, a(2) = 97}, ogf]  
 A155644 7.36450  $-(7-44*x+42*x^2-1100*x^3+2695*x^4)/(x-1)/(5*x-1)/(11*x-1)/(49*x^2-10*x+1)$  lgdogf  
 A155644 8.32076 [ -(49\*x^2-10\*x+1)/(x-1)/(5\*x-1)/(11\*x-1) ogf]  
 A155645 5.04409 [ {a(n+3)-14\*a(n+2)+55\*a(n+1)-42\*a(n), a(0) = 1, a(1) = 12, a(2) = 84}, ogf]  
 A155645 8.03022  $-6*(-2+28*x-107*x^2+28*x^3+203*x^4)/(x-1)/(6*x-1)/(7*x-1)/(29*x^2+2*x-1)$  lgdogf  
 A155645 9.07937 [ (29\*x^2+2\*x-1)/(x-1)/(6\*x-1)/(7\*x-1) ogf]  
 A155646 5.27453 [ {a(n+3)-15\*a(n+2)+62\*a(n+1)-48\*a(n), a(0) = 1, a(1) = 13, a(2) = 99}, ogf]  
 A155646 8.06850  $-(-13+192*x-778*x^2+192*x^3+1632*x^4)/(x-1)/(6*x-1)/(-1+8*x)/(34*x^2+2*x-1)$  lgdogf  
 A155646 9.49415 [ (34\*x^2+2\*x-1)/(x-1)/(6\*x-1)/(8\*x-1) ogf]  
 A155647 4.89076 [ {a(n+3)-16\*a(n+2)+69\*a(n+1)-54\*a(n), a(0) = 1, a(1) = 14, a(2) = 116}, ogf]  
 A155647 7.53777  $-2*(-7+108*x-462*x^2+108*x^3+1053*x^4)/(x-1)/(6*x-1)/(9*x-1)/(39*x^2+2*x-1)$  lgdogf  
 A155647 8.87862 [ (39\*x^2+2\*x-1)/(x-1)/(6\*x-1)/(9\*x-1) ogf]  
 A155648 4.70297 [ {a(n+3)-17\*a(n+2)+76\*a(n+1)-60\*a(n), a(0) = 1, a(1) = 15, a(2) = 135}, ogf]  
 A155648 7.34310  $-15*(-1+16*x-72*x^2+16*x^3+176*x^4)/(-1+x)/(6*x-1)/(10*x-1)/(44*x^2+2*x-1)$  lgdogf  
 A155648 8.53771 [ (44\*x^2+2\*x-1)/(x-1)/(6\*x-1)/(10\*x-1) ogf]  
 A155649 4.70297 [ {a(n+3)-18\*a(n+2)+83\*a(n+1)-66\*a(n), a(0) = 1, a(1) = 16, a(2) = 156}, ogf]  
 A155649 7.05701  $-2*(-8+132*x-623*x^2+132*x^3+1617*x^4)/(-1+x)/(6*x-1)/(11*x-1)/(49*x^2+2*x-1)$  lgdogf  
 A155649 8.53771 [ (49\*x^2+2\*x-1)/(x-1)/(6\*x-1)/(11\*x-1) ogf]  
 A155650 4.95845 [ {-a(n+3)+14\*a(n+2)-55\*a(n+1)+42\*a(n), a(0) = 1, a(1) = 2, a(2) = 14}, ogf]

A155650 7.61077  $-2*(1-14*x+106*x^2-504*x^3+861*x^4)/(-1+x)/(6*x-1)/(7*x-1)/$   
 $(41*x^2-12*x+1)$  lgdogf  
A155650 8.71485 [  $-(41*x^2-12*x+1)/(x-1)/(6*x-1)/(7*x-1)$  ogf]  
A155651 5.29418 [  $\{a(n+3)-15*a(n+2)+62*a(n+1)-48*a(n), a(0) = 1, a(1) = 3, a(2) =$   
 $29\}$ , ogf]  
A155651 8.24852  $-(3-32*x+198*x^2-1152*x^3+2208*x^4)/(x-1)/(6*x-1)/(8*x-1)/$   
 $(46*x^2-12*x+1)$  lgdogf  
A155651 9.30492 [  $-(46*x^2-12*x+1)/(x-1)/(6*x-1)/(8*x-1)$  ogf]  
A155652 4.92432 [  $\{a(n+3)-16*a(n+2)+69*a(n+1)-54*a(n), a(0) = 1, a(1) = 4, a(2) =$   
 $46\}$ , ogf]  
A155652 7.66361  $-2*(2-18*x+87*x^2-648*x^3+1377*x^4)/(x-1)/(6*x-1)/(9*x-1)/$   
 $(51*x^2-12*x+1)$  lgdogf  
A155652 8.65486 [  $-(51*x^2-12*x+1)/(x-1)/(6*x-1)/(9*x-1)$  ogf]  
A155653 4.92432 [  $\{a(n+3)-17*a(n+2)+76*a(n+1)-60*a(n), a(0) = 1, a(1) = 5, a(2) =$   
 $65\}$ , ogf]  
A155653 7.77005  $-5*(1-8*x+28*x^2-288*x^3+672*x^4)/(x-1)/(6*x-1)/(10*x-1)/$   
 $(56*x^2-12*x+1)$  lgdogf  
A155653 8.65486 [  $-(56*x^2-12*x+1)/(x-1)/(6*x-1)/(10*x-1)$  ogf]  
A155654 4.73422 [  $\{a(n+3)-18*a(n+2)+83*a(n+1)-66*a(n), a(0) = 1, a(1) = 6, a(2) =$   
 $86\}$ , ogf]  
A155654 7.26498  $-2*(3-22*x+48*x^2-792*x^3+2013*x^4)/(x-1)/(6*x-1)/(11*x-1)/$   
 $(61*x^2-12*x+1)$  lgdogf  
A155654 8.32076 [  $-(61*x^2-12*x+1)/(x-1)/(6*x-1)/(11*x-1)$  ogf]  
A155655 5.28061 [  $\{a(n+3)-16*a(n+2)+71*a(n+1)-56*a(n), a(0) = 1, a(1) = 14, a(2)$   
 $= 112\}$ , ogf]  
A155655 8.48790  $-14*(-1+16*x-69*x^2+16*x^3+164*x^4)/(x-1)/(8*x-1)/(7*x-1)/$   
 $(41*x^2+2*x-1)$  lgdogf  
A155655 9.58634 [  $(41*x^2+2*x-1)/(x-1)/(8*x-1)/(7*x-1)$  ogf]  
A155656 4.91572 [  $\{a(n+3)-17*a(n+2)+79*a(n+1)-63*a(n), a(0) = 1, a(1) = 15, a(2)$   
 $= 129\}$ , ogf]  
A155656 7.89274  $-3*(-5+84*x-382*x^2+84*x^3+987*x^4)/(x-1)/(7*x-1)/(9*x-1)/$   
 $(47*x^2+2*x-1)$  lgdogf  
A155656 8.92392 [  $(47*x^2+2*x-1)/(x-1)/(7*x-1)/(9*x-1)$  ogf]  
A155657 4.70297 [  $\{a(n+3)-18*a(n+2)+87*a(n+1)-70*a(n), a(0) = 1, a(1) = 16, a(2)$   
 $= 148\}$ , ogf]  
A155657 7.05701  $-2*(-8+140*x-669*x^2+140*x^3+1855*x^4)/(-1+x)/(7*x-1)/(10*x-1)/$   
 $(53*x^2+2*x-1)$  lgdogf  
A155657 8.53771 [  $(53*x^2+2*x-1)/(x-1)/(7*x-1)/(10*x-1)$  ogf]  
A155658 4.70297 [  $\{a(n+3)-19*a(n+2)+95*a(n+1)-77*a(n), a(0) = 1, a(1) = 17, a(2)$   
 $= 169\}$ , ogf]  
A155658 7.05701  $-(-17+308*x-1542*x^2+308*x^3+4543*x^4)/(-1+x)/(7*x-1)/(11*x-1)/$   
 $(59*x^2+2*x-1)$  lgdogf  
A155658 8.53771 [  $(59*x^2+2*x-1)/(x-1)/(7*x-1)/(11*x-1)$  ogf]  
A155659 5.24253 [  $\{-a(n+3)+16*a(n+2)-71*a(n+1)+56*a(n), a(0) = 1, a(1) = 2, a(2)$   
 $= 16\}$ , ogf]  
A155659 8.05608  $-2*(1-16*x+141*x^2-784*x^3+1540*x^4)/(x-1)/(8*x-1)/(7*x-1)/$   
 $(55*x^2-14*x+1)$  lgdogf  
A155659 9.21414 [  $-(55*x^2-14*x+1)/(x-1)/(8*x-1)/(7*x-1)$  ogf]  
A155660 4.92432 [  $\{a(n+3)-17*a(n+2)+79*a(n+1)-63*a(n), a(0) = 1, a(1) = 3, a(2) =$   
 $33\}$ , ogf]  
A155660 7.66361  $-3*(1-12*x+86*x^2-588*x^3+1281*x^4)/(x-1)/(7*x-1)/(9*x-1)/$   
 $(61*x^2-14*x+1)$  lgdogf  
A155660 8.65486 [  $-(61*x^2-14*x+1)/(x-1)/(7*x-1)/(9*x-1)$  ogf]  
A155661 4.92432 [  $\{a(n+3)-18*a(n+2)+87*a(n+1)-70*a(n), a(0) = 1, a(1) = 4, a(2) =$   
 $52\}$ , ogf]  
A155661 7.45925  $-2*(2-20*x+111*x^2-980*x^3+2345*x^4)/(x-1)/(7*x-1)/(10*x-1)/$   
 $(67*x^2-14*x+1)$  lgdogf  
A155661 8.65486 [  $-(67*x^2-14*x+1)/(x-1)/(7*x-1)/(10*x-1)$  ogf]  
A155662 4.70931 [  $\{a(n+3)-19*a(n+2)+95*a(n+1)-77*a(n), a(0) = 1, a(1) = 5, a(2) =$   
 $73\}$ , ogf]  
A155662 7.22593  $-(5-44*x+174*x^2-2156*x^3+5621*x^4)/(x-1)/(7*x-1)/(11*x-1)/$

(73\*x^2-14\*x+1) lgdogf  
 A155662 8.27697 [ -(73\*x^2-14\*x+1)/(x-1)/(7\*x-1)/(11\*x-1) ogf]  
 A155663 4.94067 [{a(n+3)-18\*a(n+2)+89\*a(n+1)-72\*a(n), a(0) = 1, a(1) = 16, a(2) = 144}, ogf]  
 A155663 7.82495 -8\*(-2+36\*x-173\*x^2+36\*x^3+495\*x^4)/(x-1)/(9\*x-1)/(-1+8\*x)/(55\*x^2+2\*x-1) lgdogf  
 A155663 8.96922 [ (55\*x^2+2\*x-1)/(x-1)/(8\*x-1)/(9\*x-1) ogf]  
 A155664 4.70297 [{a(n+3)-19\*a(n+2)+98\*a(n+1)-80\*a(n), a(0) = 1, a(1) = 17, a(2) = 163}, ogf]  
 A155664 7.05701 -(-17+320\*x-1614\*x^2+320\*x^3+4960\*x^4)/(-1+x)/(8\*x-1)/(10\*x-1)/(62\*x^2+2\*x-1) lgdogf  
 A155664 8.53771 [ (62\*x^2+2\*x-1)/(x-1)/(8\*x-1)/(10\*x-1) ogf]  
 A155665 4.66345 [{a(n+3)-20\*a(n+2)+107\*a(n+1)-88\*a(n), a(0) = 1, a(1) = 18, a(2) = 184}, ogf]  
 A155665 7.05701 -2\*(-9+176\*x-929\*x^2+176\*x^3+3036\*x^4)/(-1+x)/(11\*x-1)/(8\*x-1)/(69\*x^2+2\*x-1) lgdogf  
 A155665 8.40835 [ (69\*x^2+2\*x-1)/(x-1)/(11\*x-1)/(8\*x-1) ogf]  
 A155666 4.92432 [{a(n+3)-18\*a(n+2)+89\*a(n+1)-72\*a(n), a(0) = 1, a(1) = 2, a(2) = 18}, ogf]  
 A155666 7.45925 -2\*(1-18\*x+181\*x^2-1152\*x^3+2556\*x^4)/(x-1)/(8\*x-1)/(9\*x-1)/(71\*x^2-16\*x+1) lgdogf  
 A155666 8.65486 [ -(71\*x^2-16\*x+1)/(x-1)/(8\*x-1)/(9\*x-1) ogf]  
 A155667 4.92432 [{a(n+3)-19\*a(n+2)+98\*a(n+1)-80\*a(n), a(0) = 1, a(1) = 3, a(2) = 37}, ogf]  
 A155667 7.56005 -(3-40\*x+326\*x^2-2560\*x^3+6240\*x^4)/(x-1)/(8\*x-1)/(10\*x-1)/(78\*x^2-16\*x+1) lgdogf  
 A155667 8.65486 [ -(78\*x^2-16\*x+1)/(x-1)/(8\*x-1)/(10\*x-1) ogf]  
 A155668 4.66906 [{a(n+3)-20\*a(n+2)+107\*a(n+1)-88\*a(n), a(0) = 1, a(1) = 4, a(2) = 58}, ogf]  
 A155668 7.22593 -4\*(1-11\*x+69\*x^2-704\*x^3+1870\*x^4)/(x-1)/(11\*x-1)/(8\*x-1)/(85\*x^2-16\*x+1) lgdogf  
 A155668 8.15343 [ -(85\*x^2-16\*x+1)/(x-1)/(11\*x-1)/(8\*x-1) ogf]  
 A155669 4.66345 [{a(n+3)-20\*a(n+2)+109\*a(n+1)-90\*a(n), a(0) = 1, a(1) = 18, a(2) = 180}, ogf]  
 A155669 7.24519 -18\*(-1+20\*x-106\*x^2+20\*x^3+355\*x^4)/(-1+x)/(9\*x-1)/(10\*x-1)/(71\*x^2+2\*x-1) lgdogf  
 A155669 8.40835 [ (71\*x^2+2\*x-1)/(x-1)/(9\*x-1)/(10\*x-1) ogf]  
 A155670 4.66345 [{a(n+3)-21\*a(n+2)+119\*a(n+1)-99\*a(n), a(0) = 1, a(1) = 19, a(2) = 201}, ogf]  
 A155670 7.05701 -(-19+396\*x-2194\*x^2+396\*x^3+7821\*x^4)/(-1+x)/(9\*x-1)/(11\*x-1)/(79\*x^2+2\*x-1) lgdogf  
 A155670 8.40835 [ (79\*x^2+2\*x-1)/(x-1)/(9\*x-1)/(11\*x-1) ogf]  
 A155671 4.88223 [{a(n+3)-20\*a(n+2)+109\*a(n+1)-90\*a(n), a(0) = 1, a(1) = 2, a(2) = 20}, ogf]  
 A155671 7.36110 -2\*(1-20\*x+226\*x^2-1620\*x^3+4005\*x^4)/(x-1)/(9\*x-1)/(10\*x-1)/(89\*x^2-18\*x+1) lgdogf  
 A155671 8.52569 [ -(89\*x^2-18\*x+1)/(x-1)/(9\*x-1)/(10\*x-1) ogf]  
 A155672 4.64436 [{a(n+3)-21\*a(n+2)+119\*a(n+1)-99\*a(n), a(0) = 1, a(1) = 3, a(2) = 41}, ogf]  
 A155672 8.11030 [ -(97\*x^2-18\*x+1)/(x-1)/(9\*x-1)/(11\*x-1) ogf]  
 A155673 4.62459 [{a(n+3)-22\*a(n+2)+131\*a(n+1)-110\*a(n), a(0) = 1, a(1) = 20, a(2) = 220}, ogf]  
 A155673 7.14986 -10\*(-2+44\*x-255\*x^2+44\*x^3+979\*x^4)/(-1+x)/(10\*x-1)/(11\*x-1)/(89\*x^2+2\*x-1) lgdogf  
 A155673 8.28285 [ (89\*x^2+2\*x-1)/(x-1)/(10\*x-1)/(11\*x-1) ogf]  
 A155674 4.53151 [{a(n+3)-22\*a(n+2)+131\*a(n+1)-110\*a(n), a(0) = 1, a(1) = 2, a(2) = 22}, ogf]  
 A155674 6.62224 -2\*(1-22\*x-2200\*x^3+5995\*x^4+276\*x^2)/(x-1)/(-1+10\*x)/(11\*x-1)/(109\*x^2-20\*x+1) lgdogf  
 A155674 7.74954 [ -(109\*x^2-20\*x+1)/(x-1)/(10\*x-1)/(11\*x-1) ogf]  
 A155701 10.6242 [ -(-44\*x^2+24\*x-4)/(-44\*x^3+67\*x^2-26\*x+3) lgdogf]

A155701 15.9363 [  $-( -3+11*x)/(4*x-1)/(x-1)$  ogf]  
A155701 16.7451  $-1/2*(-3-5*x+(9-14*x+9*x^2)^{(1/2)})/(4*x+11)$  revogf  
A155701 17.5620  $-4*(1-6*x+11*x^2)/(x-1)/(11*x-3)/(-1+4*x)$  lgdogf  
A155701 8.93990 [  $\{a(n+2)-5*a(n+1)+4*a(n), a(0) = 3, a(1) = 4\}$ , ogf]  
A155721 13.3911 [  $-(8*x-5)/(4*x^2-5*x+1)$  lgdogf]  
A155721 15.3715  $-1/8*(-4-5*x+(4+x)^{(1/2)}*(9*x+4)^{(1/2)})/x$  revogf  
A155721 19.4780 [  $4/(4*x-1)/(x-1)$  ogf]  
A155721 27.4015  $-(-5+8*x)/(4*x-1)/(x-1)$  lgdogf  
A155721 7.74428 [  $\{-a(n+2)+5*a(n+1)-4*a(n), a(0) = 4, a(1) = 20\}$ , ogf]  
A155734 18.6779 [  $-1/(-24*x^2+17*x-3)$  lgdogf]  
A155734 18.8224  $3/16+3/16*x-1/16*(9-14*x+9*x^2)^{(1/2)}$  revogf  
A155734 19.1827 [  $(-3+8*x)/(3*x-1)$  ogf]  
A155734 40.9665  $1/(3*x-1)/(8*x-3)$  lgdogf  
A155734 9.85776 [  $\{a(n+2)-3*a(n+1), a(0) = 3, a(1) = 1\}$ , ogf]  
A155751 8.02552 [  $(5*x^7-8*x^6+6*x^5+4*x^4-3*x^3-2*x^2-7*x+1)/(x^8+1)$  ogf]  
A155753 15.1703  $-(-5+3*x-9*x^2+3*x^3)/(x-1)/(3*x^3-9*x^2+7*x-3)$  lgdogf  
A155753 3.87160 [  $\{(27*n^2+171*n+234)*a(n+1)+(-50*n^2-256*n-282)*a(n+2)+(23*n^2+97*n+84)*a(n+3), a(0) = 3, a(1) = 5, a(2) = 11\}$ , ogf]  
A155753 8.76940 [  $-(-3*x^3+9*x^2-3*x+5)/(-3*x^4+12*x^3-16*x^2+10*x-3)$  lgdogf]  
A155753 9.45273 [  $-(3*x^3-9*x^2+7*x-3)/(x-1)^4$  ogf]  
A155754 6.48113 [  $-(2*x^8+4*x^7+8*x^6-3*x^5-6*x^4+7*x^3-5*x^2+9*x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A155757 14.2601  $-(-7+9*x-15*x^2+5*x^3)/(x-1)/(5*x^3-15*x^2+13*x-5)$  lgdogf  
A155757 3.83084 [  $\{(45*n^2+285*n+390)*a(n+1)+(-86*n^2-448*n-510)*a(n+2)+(41*n^2+175*n+156)*a(n+3), a(0) = 5, a(1) = 7, a(2) = 13\}$ , ogf]  
A155757 8.66500 [  $-(-5*x^3+15*x^2-9*x+7)/(-5*x^4+20*x^3-28*x^2+18*x-5)$  lgdogf]  
A155757 9.21342 [  $-(5*x^3-15*x^2+13*x-5)/(x-1)^4$  ogf]  
A155769 10.8648 [  $-(41*x^2-90*x+37)/(41*x^3-127*x^2+127*x-41)$  lgdogf]  
A155769 12.3927 [  $(41*x^2-86*x+41)/(x-1)^3$  ogf]  
A155769 19.9245  $-(37-90*x+41*x^2)/(x-1)/(41*x^2-86*x+41)$  lgdogf  
A155769 6.89679 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = -41, a(1) = -37, a(2) = -29\}$ , ogf]  
A155785 6.97607 [  $-(3601*x^9-3581*x^8-10*x^7-10*x^6+10*x^4+261*x^3-260*x^2-20*x-1)/(x-1)^2$  ogf]  
A155803 11.3829 [  $-(8*x^3-3*x^2-2)/(2*x^4-x^3-2*x+1)$  lgdogf]  
A155803 18.7916  $-(-2+8*x^3-3*x^2)/(x-1)/(2*x-1)/(x^2+x+1)$  lgdogf  
A155803 18.8790 [  $x^3/(2*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A155822 8.40987  $-(1+x^8+8*x^6+8*x^2-6*x^3+18*x^4-6*x^5)/(x+1)/(x^2-x+1)/(2*x^5-x^4+2*x^3-x^2+x-1)/(x^2+1)$  lgdogf  
A155822 8.57892 [  $-(x+1)*(x^2+1)*(x^2-x+1)/(2*x^5-x^4+2*x^3-x^2+x-1)$  ogf]  
A155857 3.35885 [  $\{a(n+1)+(n+1)*a(n+2)+(-n-5)*a(n+3)+a(n+4), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 23\}$ , ogf]  
A155859 10.7385 [  $-(5*x^2-10*x+4)/(10*x-1)/(x-1)^2$  ogf]  
A155859 11.8280  $-2*(-19+60*x-75*x^2+25*x^3)/(-1+x)/(10*x-1)/(4-10*x+5*x^2)$  lgdogf  
A155859 5.91530 [  $\{a(n+3)-12*a(n+2)+21*a(n+1)-10*a(n), a(0) = 4, a(1) = 38, a(2) = 377\}$ , ogf]  
A155859 7.58701 [  $-(-50*x^3+150*x^2-120*x+38)/(-50*x^4+155*x^3-155*x^2+54*x-4)$  lgdogf]  
A155862 10.8813  $-1/2*(-1-13*x+3*(1+2*x+17*x^2)^{(1/2)})*x/(1+x)/(-1+2*x)$  revogf  
A155862 7.07943  $1/2*(13-82*x+37*x^2-4*x^3+3*(x^2+1-6*x)*(x+1)^2)^{(1/2)}/(x^2+1-6*x)/(2*x^2-13*x+2)$  lgdogf  
A155867 10.8569  $-1/2*(-1-3*x+x^2+(1+2*x+7*x^2-2*x^3+x^4)^{(1/2)})/(1+x)$  revogf  
A155867 6.12075 [  $-1/2*(x^2+(x^4-2*x^3+7*x^2+2*x+1)^{(1/2)}-3*x-1)/(x+1)$  revogf]  
A155872 11.3255 [  $-(21*x-2)/(11*x-1)/(10*x-1)$  ogf]  
A155872 11.5615  $-(21-440*x+2310*x^2)/(21*x-2)/(10*x-1)/(11*x-1)$  lgdogf  
A155872 6.45292 [  $\{a(n+2)-21*a(n+1)+110*a(n), a(0) = 2, a(1) = 21\}$ , ogf]  
A155872 7.24519  $8*x*(3*x^2+16)*(16+x^2)/(4096+21504*x+96*x^4+1280*x^2+5376*x^3+x^6+252*x^5)$  revogf  
A155872 7.30199 [  $-(-2310*x^2+440*x-21)/(-2310*x^3+661*x^2-63*x+2)$  lgdogf]  
A155883 10.3757 [  $(7*x^3+47*x^2+29*x+1)/(x-1)^4$  ogf]

A155883 3.95980 [ $\{(-2113*n^2-8591*n-8730)*a(n+1)+(3722*n^2+15676*n+34680)*a(n+2)+(-1609*n^2-8597*n-11310)*a(n+3), a(0) = 1, a(1) = 33, a(2) = 173\}$ , ogf]  
A155883 9.31453 [ $-(7*x^3+115*x^2+181*x+33)/(7*x^4+40*x^3-18*x^2-28*x-1)$  lgdogf]  
A155888 7.33073 [ $-(1-10*x+3*x^6+36*x^2-58*x^3+48*x^4-18*x^5)/(3*x^3-9*x^2+6*x-1)/(x^4-8*x^3+14*x^2-7*x+1)$  lgdogf]  
A155888 8.43764 [ $-(3*x^3-9*x^2+6*x-1)/(x^4-8*x^3+14*x^2-7*x+1)$  ogf]  
A155923 5.53973 -  
 $(17+50*x-78*x^5+85*x^4+136*x^3+17*x^6+56*x^7+75*x^8+13*x^{10}+159*x^2+34*x^9)/(x-1)/(13*x^4+30*x^3+55*x^2+30*x+13)/(x^6-6*x^3+1)$  lgdogf  
A155923 8.24607 [ $-(x-1)*(13*x^4+30*x^3+55*x^2+30*x+13)/(x^6-6*x^3+1)$  ogf]  
A155944 10.7007 [ $-(-12*x^3+15*x^2-4*x-1)/(-6*x^4+7*x^3+4*x^2-7*x+2)$  lgdogf]  
A155944 15.3939 [ $-x*(3*x-2)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A155944 17.3324 [ $-(1+4*x-15*x^2+12*x^3)/(x-1)/(2*x-1)/(3*x-2)/(x+1)$  lgdogf]  
A155944 7.90499 [ $\{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 0, a(1) = 2, a(2) = 1\}$ , ogf]  
A155965 10.6320 [ $x*(5*x^2-4*x+5)/(x-1)^4$  ogf]  
A155965 11.7596 [ $-(-10*x^2+2*x-16)/(-5*x^3+9*x^2-9*x+5)$  lgdogf]  
A155965 22.4999 [ $-2*(8-x+5*x^2)/(x-1)/(5*x^2-4*x+5)$  lgdogf]  
A155965 3.86137 [ $\{(15+5*n)*a(n+4)+(-34-9*n)*a(n+3)+(11+9*n)*a(n+2)+(-10-5*n)*a(n+1), a(0) = 0, a(1) = 5, a(2) = 16, a(3) = 39\}$ , ogf]  
A155966 11.7180 [ $-(-5*x^2+4*x-5)/(-5*x^3+12*x^2-11*x+4)$  lgdogf]  
A155966 12.2760 [ $-2*(5*x^2-7*x+4)/(x-1)^3$  ogf]  
A155966 20.7251 [ $-2*(4-3*x+2*x^2)/(x-1)/(4*x^2-7*x+5)$  lgdogf]  
A155966 6.78408 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 8, a(1) = 10, a(2) = 16\}$ , ogf]  
A155977 10.8514 [ $-2*(10+65*x+81*x^2+23*x^3+x^4)/(x-1)/(x^4+14*x^3+30*x^2+14*x+1)$  lgdogf]  
A155977 6.25086 [ $2*x*(x^4+14*x^3+30*x^2+14*x+1)/(x-1)^6$  ogf]  
A155988 11.8075 [ $(9*x+1)/(9*x-1)^2$  ogf]  
A155988 11.8075 [ $-(81*x+27)/(81*x^2-1)$  lgdogf]  
A155988 13.9331 [ $-1/18*(-18*x-1+(72*x+1)^{(1/2)})/(-1+9*x)$  revogf]  
A155988 20.1255 [ $-27*(1+3*x)/(9*x-1)/(9*x+1)$  lgdogf]  
A155988 6.52884 [ $\{-a(n+2)+18*a(n+1)-81*a(n), a(0) = 1, a(1) = 27\}$ , ogf]  
A156001 4.87863 [ $-x^2*(126*x^6+297*x^5+167*x^4-400*x^3-410*x^2-113*x-3)/(x+1)^3/(x-1)^6$  ogf]  
A156002 7.32940 [ $-x*(3*x^2-2*x+1)/(7*x-1)/(x^2+x+1)/(x-1)^2$  ogf]  
A156002 7.89930 [ $-(-6+2*x+9*x^2+45*x^3-41*x^4+63*x^5)/(x-1)/(7*x-1)/(x^2+x+1)/(3*x^2-2*x+1)$  lgdogf]  
A156016 17.0916 [ $-1/2-1/2*x+1/2*(1+6*x-3*x^2)^{(1/2)}$  revogf]  
A156016 9.89133 [ $-1/2*x-1/2+1/2*(-3*x^2+6*x+1)^{(1/2)}$  revogf]  
A156017 16.2605 [ $-(2*x^2-x)/(2*x+1)$  revogf]  
A156017 29.4444 [ $-x*(-1+2*x)/(2*x+1)$  revogf]  
A156017 3.37482 [ $\{(8*n^2+8*n)*a(n)+(-20*n^2-44*n-24)*a(n+1)+(-10*n^2-58*n-84)*a(n+2)+(n^2+7*n+12)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 24\}$ , ogf]  
A156017 9.81480 [ $-1/2*(-2*x-1+(1-12*x+4*x^2)^{(1/2)})/x/(1-12*x+4*x^2)^{(1/2)}$  lgdogf]  
A156039 6.60349 [ $(x^4-x^3+3*x^2-x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A156039 7.36171 [ $-(1+7*x+13*x^2+21*x^3+25*x^4+31*x^5+18*x^6+22*x^7+x^8+5*x^9)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^4-x^3+3*x^2-x+1)$  lgdogf]  
A156040 11.7299 [ $-(x^2+1)/(x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A156040 13.1246 [ $-(1+6*x+4*x^5+5*x^4+10*x^3+10*x^2)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf]  
A156040 25.8392 [ $-x^3+x^2+2*x+1$  ogf\_with\_Euler\_transform]  
A156058 10.4224 [ $10/(1-20*x)^{(1/2)}/(1+(1-20*x)^{(1/2)})$  lgdogf]  
A156058 17.9120 [ $10/(1-20*x)^{(1/2)}/(1+(1-20*x)^{(1/2)})$  lgdogf]  
A156058 6.19443 [ $\{(-20*n-30)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 5\}$ , ogf]  
A156058 64.4832 [ $-x*(5*x-1)$  revogf]  
A156065 13.1159 [ $1/2*(1+x+(1+2*x+5*x^2)^{(1/2)})*x/(1+x)^2$  revogf]  
A156066 10.6718 [ $-(x-1)*(2*x+1)*(x+2)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A156066 8.09755 [ $-(3+18*x+2*x^6+6*x^5+12*x^2-8*x^3+3*x^4)/(x-1)/(2*x+1)/(x+2)/(x^2+2*x-1)/(x^2-2*x-1)$  lgdogf]

A156067 13.5242 [ $(9x^2-x-1)/(x+1)/(2x-1)$  ogf]  
A156067 7.02730 [ $\{a(n+3)-a(n+2)-2a(n+1), a(0) = 1, a(1) = 2, a(2) = -5\}$ , ogf]  
A156067 9.95535 [ $-(-11x^2+14x-2)/(18x^4+7x^3-12x^2+1)$  lgdogf]  
A156084 12.9144 [ $4x/(x+1)/(x^2-18x+1)$  ogf]  
A156084 16.6196 [ $-(-17-34x+3x^2)/(x+1)/(x^2-18x+1)$  lgdogf]  
A156084 5.32437 [ $\{-a(n+3)+17a(n+2)+17a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 68\}$ , ogf]  
A156084 8.92615 [ $-(-3x^2+34x+17)/(-x^3+17x^2+17x-1)$  lgdogf]  
A156085 14.0331 [ $x/(x+1)/(x^2-18x+1)$  ogf]  
A156085 15.8970 [ $-(-17-34x+3x^2)/(x+1)/(x^2-18x+1)$  lgdogf]  
A156085 5.78557 [ $\{-a(n+3)+17a(n+2)+17a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 17\}$ , ogf]  
A156085 9.69934 [ $-(-3x^2+34x+17)/(-x^3+17x^2+17x-1)$  lgdogf]  
A156086 12.1089 [ $-(50-142x+3x^2-91x^3)/(x-1)/(x+1)/(x^2-47x+1)$  lgdogf]  
A156086 2.90653 [ $\{(2n+7)a(n+1)+(-96n-334)a(n+2)+(96n+242)a(n+3)+(-2n-5)a(n+4), a(0) = 0, a(1) = 9, a(2) = 450, a(3) = 21186\}$ , ogf]  
A156086 7.71349 [ $-(-3x^3+91x^2+142x-50)/(-x^4+47x^3-47x+1)$  lgdogf]  
A156086 8.84782 [ $9x(x+1)/(x^2-47x+1)/(x-1)^2$  ogf]  
A156087 11.3733 [ $-(50-142x-91x^2+3x^3)/(x-1)/(x+1)/(x^2-47x+1)$  lgdogf]  
A156087 7.25138 [ $-(-3x^3+91x^2+142x-50)/(-x^4+47x^3-47x+1)$  lgdogf]  
A156087 8.31776 [ $(x+1)x/(x^2-47x+1)/(x-1)^2$  ogf]  
A156088 13.1253 [ $-x/(x^2+7x+1)/(x+1)$  ogf]  
A156088 18.5439 [ $-(8+16x+3x^2)/(x+1)/(x^2+7x+1)$  lgdogf]  
A156088 5.32105 [ $\{a(n+3)+8a(n+2)+8a(n+1)+a(n), a(0) = 0, a(1) = -1, a(2) = 8\}$ , ogf]  
A156088 9.08672 [ $-(-3x^2-16x-8)/(-x^3-8x^2-8x-1)$  lgdogf]  
A156089 8.24558 [ $-(-3+2x+19x^4+60x^3+2x^5+28x^2)/(x-1)/(x+1)/(x^2+4x+1)/(x^2+7x+1)$  lgdogf]  
A156089 8.80569 [ $(x^2+4x+1)x/(x-1)/(x+1)/(x^2+7x+1)$  ogf]  
A156090 12.7412 [ $-(-15+53x+3x^2+39x^3)/(x-1)/(x+1)/(x^2+18x+1)$  lgdogf]  
A156090 2.97538 [ $\{(-2n-7)a(n+1)+(-34n-121)a(n+2)+(34n+83)a(n+3)+(2n+5)a(n+4), a(0) = 0, a(1) = -4, a(2) = 60, a(3) = -1096\}$ , ogf]  
A156090 7.88283 [ $-(3x^3+39x^2+53x-15)/(x^4+18x^3-18x-1)$  lgdogf]  
A156090 8.92615 [ $-4x(x+1)/(x^2+18x+1)/(x-1)^2$  ogf]  
A156091 12.0334 [ $-(-15+53x+39x^2+3x^3)/(x-1)/(x+1)/(x^2+18x+1)$  lgdogf]  
A156091 7.43238 [ $-(3x^3+39x^2+53x-15)/(x^4+18x^3-18x-1)$  lgdogf]  
A156091 8.41607 [ $-(x+1)x/(x^2+18x+1)/(x-1)^2$  ogf]  
A156092 12.7421 [ $-9x/(x+1)/(x^2+47x+1)$  ogf]  
A156092 17.5069 [ $-3(16+32x+x^2)/(x+1)/(x^2+47x+1)$  lgdogf]  
A156092 5.20764 [ $\{a(n+3)+48a(n+2)+48a(n+1)+a(n), a(0) = 0, a(1) = -9, a(2) = 432\}$ , ogf]  
A156092 8.80704 [ $-(-3x^2-96x-48)/(-x^3-48x^2-48x-1)$  lgdogf]  
A156093 12.0342 [ $-x/(x+1)/(x^2+47x+1)$  ogf]  
A156093 16.5563 [ $-3(16+32x+x^2)/(x+1)/(x^2+47x+1)$  lgdogf]  
A156093 4.96147 [ $\{a(n+3)+48a(n+2)+48a(n+1)+a(n), a(0) = 0, a(1) = -1, a(2) = 48\}$ , ogf]  
A156093 8.31776 [ $-(-3x^2-96x-48)/(-x^3-48x^2-48x-1)$  lgdogf]  
A156094 6.36034 [ $-(-11x^4-60x^3+53x^2-10x+1)/(x-1)/(x^2-7x+1)/(x^2-3x+1)$  ogf]  
A156095 5.55491 [ $-(11-120x+x^8+40x^7+660x^5-259x^4-480x^3+456x^2-334x^6)/(x-1)/(x^2-7x+1)/(x^2-3x+1)/(x^4+20x^3-27x^2+1)$  lgdogf]  
A156095 6.79408 [ $-(x^4+20x^3-27x^2+1)/(x-1)/(x^2-7x+1)/(x^2-3x+1)$  ogf]  
A156096 14.3667 [ $-(x+1)/(2x^3+4x^2-1)$  ogf]  
A156096 16.0519 [ $-(1+8x+10x^2+4x^3)/(x+1)/(2x^3+4x^2-1)$  lgdogf]  
A156096 7.48902 [ $\{a(n+3)-4a(n+1)-2a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A156096 8.69096 [ $-(4x^3+10x^2+8x+1)/(2x^4+6x^3+4x^2-x-1)$  lgdogf]  
A156125 5.39913 [ $\{(-40n-60)a(n+1)+(n+5)a(n+2), a(0) = 1, a(1) = 5\}$ , ogf]  
A156126 10.6454 [ $-(x-5)(x^2+7)/(-1+x)/(9x^4-35x^3+50x^2-31x-1)$  lgdogf]  
A156126 6.20459 [ $-(9x^4-35x^3+50x^2-31x-1)/(x-1)^4$  ogf]  
A156127 10.2036 [ $-(-2x^2+16x-11)/(-2x^3+11x^2-13x+4)$  lgdogf]  
A156127 15.4188 [ $-(x-4)/(2x-1)/(x-1)$  ogf]

A156127 8.35958 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 4, a(1) = 11\}$ , ogf]  
A156128 11.1234 [ $12/(1-24x)^{(1/2)}/(1+(1-24x)^{(1/2)})$  lgdogf]  
A156128 19.1389 [ $12/(1-24x)^{(1/2)}/(1+(1-24x)^{(1/2)})$  lgdogf]  
A156128 6.61110 [ $\{(-24^n-36)a(n+1)+(n+3)a(n+2), a(0) = 1, a(1) = 6\}$ , ogf]  
A156128 62.6363  $-x^{*}(-1+6x)$  revogf  
A156156 12.6203 [ $-(25x-13)/(x^2-6x+1)$  ogf]  
A156156 12.9149  $-1/2*(-13-6x+(169+56x+32x^2)^{(1/2)})/(25+x)$  revogf  
A156156 14.9018  $-(53-26x+25x^2)/(25x-13)/(x^2+1-6x)$  lgdogf  
A156156 7.06137 [ $\{a(n+2)-6a(n+1)+a(n), a(0) = 13, a(1) = 53\}$ , ogf]  
A156156 8.12541 [ $-(-25x^2+26x-53)/(-25x^3+163x^2-103x+13)$  lgdogf]  
A156157 12.8115 [ $-17*(x-1)/(x^2-6x+1)$  ogf]  
A156157 12.8295  $-1/2*(-17-6x+(289+136x+32x^2)^{(1/2)})/(17+x)$  revogf  
A156157 19.6720  $-(5-2x+x^2)/(x-1)/(x^2-6x+1)$  lgdogf  
A156157 7.16836 [ $\{a(n+2)-6a(n+1)+a(n), a(0) = 17, a(1) = 85\}$ , ogf]  
A156157 9.40847 [ $-(-x^2+2x-5)/(-x^3+7x^2-7x+1)$  lgdogf]  
A156158 11.8404 [ $-(13x-25)/(x^2-6x+1)$  ogf]  
A156158 11.8418  $-1/2*(-25-6x+(625+248x+32x^2)^{(1/2)})/(13+x)$  revogf  
A156158 13.6180  $-(137-50x+13x^2)/(13x-25)/(x^2-6x+1)$  lgdogf  
A156158 6.54705 [ $\{a(n+2)-6a(n+1)+a(n), a(0) = 25, a(1) = 137\}$ , ogf]  
A156158 7.52026 [ $-(-13x^2+50x-137)/(-13x^3+103x^2-163x+25)$  lgdogf]  
A156159 4.73469 [ $-(169x^6+120x^5+336x^4-3562x^3+336x^2+120x+169)/(x-1)/(x^6-34x^3+1)$  ogf]  
A156160 4.09805 [ $\{-a(n+3)+35a(n+2)-35a(n+1)+a(n), a(0) = 169, a(1) = 2809, a(2) = 93025\}$ , ogf]  
A156160 6.01834  $-(2809-10580x+87342x^2-6212x^3+625x^4)/(x-1)/(x^2-34x+1)/(625x^2-3106x+169)$  lgdogf  
A156160 7.20086 [ $-(625x^2-3106x+169)/(x-1)/(x^2-34x+1)$  ogf]  
A156161 4.17142 [ $\{-a(n+3)+35a(n+2)-35a(n+1)+a(n), a(0) = 289, a(1) = 7225, a(2) = 243049\}$ , ogf]  
A156161 7.38937 [ $-289*(x^2-10x+1)/(x-1)/(x^2-34x+1)$  ogf]  
A156161 8.30655  $-(25-68x+318x^2-20x^3+x^4)/(x-1)/(x^2-10x+1)/(x^2-34x+1)$  lgdogf  
A156162 4.24361 [ $\{-a(n+3)+35a(n+2)-35a(n+1)+a(n), a(0) = 625, a(1) = 18769, a(2) = 635209\}$ , ogf]  
A156162 6.18922  $-(18769-43412x+104670x^2-6212x^3+169x^4)/(x-1)/(x^2-34x+1)/(169x^2-3106x+625)$  lgdogf  
A156162 7.57787 [ $-(169x^2-3106x+625)/(x-1)/(x^2-34x+1)$  ogf]  
A156174 13.7471 [ $(x^2+1)/(x^4+x^3+x^2+x+1)$  ogf]  
A156174 22.4643  $-(1+2x^5+2x^2+4x^3+x^4)/(x^2+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A156174 27.0219 [ $x^4-x^3+x-1$  ogf\_with\_Euler\_transform]  
A156174 6.29268 [ $\{-a(n+4)-a(n+3)-a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = -1\}$ , ogf]  
A156189 13.9178  $-3*(1+24x+36x^2)/(6x-1)/(3x+1)/(6x+1)$  lgdogf  
A156189 14.2078 [ $-(3x+1)/(6x-1)/(6x+1)$  ogf]  
A156189 14.6137  $1/6*(-1+(1+12x+144x^2)^{(1/2)})/(12x+1)$  revogf  
A156189 8.52466 [ $-(-108x^2-72x-3)/(-108x^3-36x^2+3x+1)$  lgdogf]  
A156189 9.18040 [ $\{-a(n+2)+36a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A156195 13.5871 [ $-(5x^2+x)/(-30x^2-10x-1)$  revogf]  
A156195 3.56167 [ $\{(120n+240)a(n+1)+(-20n-40)a(n+2)+(-6n-30)a(n+3)+(n+5)a(n+4), a(0) = 1, a(1) = 5, a(2) = 30, a(3) = 175\}$ , ogf]  
A156198 10.0501  $1/2*\ln(2x+5)+\operatorname{arctanh}(1/3*(22x+64)^{(1/2)})-1/2*\ln(5)-\operatorname{arctanh}(8/3)$  revogf  
A156198 14.8161 [ $-(5x-8)/(2x-1)/(x-1)$  ogf]  
A156198 16.3314  $-(19-32x+10x^2)/(x-1)/(5x-8)/(-1+2x)$  lgdogf  
A156198 8.03283 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 8, a(1) = 19\}$ , ogf]  
A156198 9.52464 [ $-(-10x^2+32x-19)/(-10x^3+31x^2-29x+8)$  lgdogf]  
A156199 7.99430 [ $-(2x^{11}+7x^{10}+x^9+7x^8+2x^7+x^6+x^5+4x^4+2x^3+4x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A156202 14.7868 [ $-(7x-10)/(2x-1)/(x-1)$  ogf]  
A156202 15.5052  $-1/2*(-10-3x+(100+32x+x^2)^{(1/2)})/(7+2x)$  revogf  
A156202 16.6681  $-(23-40x+14x^2)/(7x-10)/(x-1)/(2x-1)$  lgdogf

A156202 8.09756 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 10, a(1) = 23\}$ , ogf]  
A156202 9.58021 [ $\{-(-14x^2+40x-23)/(-14x^3+41x^2-37x+10)\}$  lgdogf]  
A156203 13.7542 [ $\{-(11x-14)/(2x-1)/(x-1)\}$  ogf]  
A156203 14.3890  $-1/2*(-14-3x+(196+40x+x^2)^{1/2})/(11+2x)$  revogf  
A156203 15.4419  $-(31-56x+22x^2)/(x-1)/(2x-1)/(11x-14)$  lgdogf  
A156203 7.69580 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 14, a(1) = 31\}$ , ogf]  
A156203 9.10489 [ $\{-(-22x^2+56x-31)/(-22x^3+61x^2-53x+14)\}$  lgdogf]  
A156230 7.74751 [ $\{-(7x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2\}$  ogf]  
A156232 11.9888 [ $\{-4*(x-1)*x/(2x-1)/(2x^2-1)\}$  ogf]  
A156232 14.9569  $-(1+4x+8x^3-14x^2)/(x-1)/(2x-1)/(2x^2-1)$  lgdogf  
A156232 6.15643 [ $\{-a(n+3)+2a(n+2)+2a(n+1)-4a(n), a(0) = 0, a(1) = 4, a(2) = 4\}$ , ogf]  
A156232 9.36115 [ $\{-(-8x^3+14x^2-4x-1)/(-4x^4+6x^3-3x+1)\}$  lgdogf]  
A156266 5.34568 [ $\{(-28n-42)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 7\}$ , ogf]  
A156266 8.99432 [ $\{14/(1-28x)^{1/2}/(1+(1-28x)^{1/2})\}$  lgdogf]  
A156269 7.58191  $-2*(1+6x-30x^2-36x^3-68x^4+72x^5+32x^6+16x^7)/(4x^3+1)/(8x^5+8x^4+12x^3-6x^2-2x-1)$  lgdogf  
A156269 8.21469 [ $\{-8x^5+8x^4+12x^3-6x^2-2x-1/(4x^3+1)^2\}$  ogf]  
A156270 16.0549  $16/(1-32x)^{1/2}/(1+(1-32x)^{1/2})$  lgdogf  
A156270 5.55951 [ $\{(-32n-48)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 8\}$ , ogf]  
A156270 52.5432  $-x*(-1+8x)$  revogf  
A156270 9.35410 [ $\{16/(1-32x)^{1/2}/(1+(1-32x)^{1/2})\}$  lgdogf]  
A156273 11.0109 [ $\{18/(1-36x)^{1/2}/(1+(1-36x)^{1/2})\}$  lgdogf]  
A156273 18.9480  $18/(1-36x)^{1/2}/(1+(1-36x)^{1/2})$  lgdogf  
A156273 6.54424 [ $\{(-36n-54)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 9\}$ , ogf]  
A156273 62.0116  $-x*(-1+9x)$  revogf  
A156275 5.87825 [ $\{(-40n-60)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 10\}$ , ogf]  
A156275 9.98370 [ $\{20/(1-40x)^{1/2}/(1+(1-40x)^{1/2})\}$  lgdogf]  
A156276 5.18567 [ $\{-a(n+4)+100a(n+2), a(0) = 1, a(1) = 5, a(2) = 100, a(3) = 250\}$ , ogf]  
A156276 7.49821  $5*(1+40x+5000x^4-50x^2)/(10x+1)/(5x-1)/(-1+10x)/(50x^2+10x+1)$  lgdogf  
A156276 9.97996 [ $\{(5x-1)*(50x^2+10x+1)/(10x-1)/(10x+1)\}$  ogf]  
A156279 12.5913 [ $\{4*(x-2)/(x^2+x-1)\}$  ogf]  
A156279 19.0646  $-(-1-4x+x^2)/(x-2)/(x^2+x-1)$  lgdogf  
A156279 6.90985 [ $\{-a(n+2)+a(n+1)+a(n), a(0) = 8, a(1) = 4\}$ , ogf]  
A156279 8.85325 [ $\{-(-x^2+4x+1)/(-x^3+x^2+3x-2)\}$  lgdogf]  
A156283 6.98833 [ $\{(x^4+3x^3+7x^2+3x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)\}$  ogf]  
A156297 5.92560 [ $\{-(x^37-x^34+x^27-x^13+x^6)/(-x^38-x^21-1)\}$  ogf\_with\_Euler\_transform]  
A156301 6.20380 [ $\{x*(x^6+x^3+1)*(x^11+x^9+x+1)/(x^18+x^17+x^16+x^15+x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2\}$  ogf]  
A156331 6.79844  $-(6*x+x^12+2*x^11+8*x^10-10*x^9+18*x^8-6*x^7-3*x^6-4*x^5-4*x^4-6*x^2+14*x^3+2)/(x-1)/(x^2+1)/(x^6+x^5+3*x^4-x^3+3*x^2+x+1)/(x^4-x^2+1)$  lgdogf  
A156331 9.77116 [ $\{-8*(x^6+x^5+3*x^4-x^3+3*x^2+x+1)/(x-1)/(x^2+1)/(x^4-x^2+1)\}$  ogf]  
A156341 10.1160 [ $\{-(-33x^2+22x-9)/(-33x^3+47x^2-15x+1)\}$  lgdogf]  
A156341 14.8512 [ $\{-2*(3x-1)/(11x-1)/(x-1)\}$  ogf]  
A156341 17.5903  $-(-1-6x+(1+6x+25x^2)^{1/2})/(6+11x)$  revogf  
A156341 17.5903  $-(9-22x+33x^2)/(x-1)/(3x-1)/(11x-1)$  lgdogf  
A156341 8.21182 [ $\{a(n+2)-12a(n+1)+11a(n), a(0) = 2, a(1) = 18\}$ , ogf]  
A156346 5.24999 [ $\{-(x-1)*(x^4+3x^3-x^2+3x+1)/(x^2+1)/(x^4-x^2+1)\}$  ogf]  
A156359 11.2699  $-7*(1+56x+196x^2)/(14x+1)/(7x+1)/(14x-1)$  lgdogf  
A156359 12.0576 [ $\{-(7x+1)/(14x-1)/(14x+1)\}$  ogf]  
A156359 12.3694  $1/14*(-1+(1+28x+784x^2)^{1/2})/(1+28x)$  revogf  
A156359 7.00645 [ $\{-(-1372x^2-392x-7)/(-1372x^3-196x^2+7x+1)\}$  lgdogf]  
A156359 7.85571 [ $\{-a(n+2)+196a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A156361 10.6515 [ $\{-(6x^2+x)/(-42x^2-12x-1)\}$  revogf]



A156361 22.5279  $x^*(1+6*x)/(1+12*x+42*x^2)$  revogf  
A156362 11.3172  $[-(7*x^2+x)/(-56*x^2-14*x-1)$  revogf]  
A156362 23.9658  $x*(7*x+1)/(1+14*x+56*x^2)$  revogf  
A156376 15.8667  $[-(11*x+49)/(11*x^2+8*x-19)$  lgdogf]  
A156376 17.5546  $[(11*x+19)/(x-1)^2$  ogf]  
A156376 20.2375  $-1/2*(-19-2*x+(361+120*x)^(1/2))/(-11+x)$  revogf  
A156376 31.1346  $-(49+11*x)/(11*x+19)/(x-1)$  lgdogf  
A156376 9.82221  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 19, a(1) = 49}],$  ogf]  
A156536 10.6782  $[-(x-1)*(7*x^4+12*x^3+11*x^2+12*x+7)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A156536 7.71363  $-$   
 $(5-2*x-3*x^8-25*x^6-42*x^5-35*x^4-20*x^3+4*x^7+10*x^9+7*x^{10}+3*x^2)/(x-1)/$   
 $(x^2+1)/(x^4-x^2+1)/(7*x^4+12*x^3+11*x^2+12*x+7)$  lgdogf  
A156550 12.0146  $[-(2*x^2+4*x)/(2*x^3+x^2-2*x-1)$  lgdogf]  
A156550 16.0194  $[-5*(x+1)/(2*x+1)/(x-1)$  ogf]  
A156550 19.0616  $1/2/(5+2*x)*(-5+x+(25+10*x+9*x^2)^(1/2))$  revogf  
A156550 25.4154  $-2*x*(x+2)/(x-1)/(2*x+1)/(x+1)$  lgdogf  
A156550 8.89968  $[{-a(n+2)-a(n+1)+2*a(n), a(0) = 5, a(1) = 0}],$  ogf]  
A156561 6.38175  $-$   
 $(3-6*x-6*x^5+x^4+33*x^6-60*x^7+57*x^8-32*x^9+7*x^{10}+3*x^2-2*x^3)/(x-1)/(x^2-3*x$   
 $+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  lgdogf  
A156561 7.17398  $[-x^3*(x^2-x+1)/(x-1)/(x^2+1)/(x^2-3*x+1)/(x^4-x^2+1)$  ogf]  
A156566 10.5782  $[-(8*x^2+x)/(-72*x^2-16*x-1)$  revogf]  
A156566 22.3777  $x*(8*x+1)/(1+16*x+72*x^2)$  revogf  
A156567 7.93370  $[-(x-1)*(17*x^4+40*x^3+77*x^2+40*x+17)/(x^6-6*x^3+1)$  ogf]  
A156568 11.7778  $-1/2*(-23-6*x+(529+184*x+32*x^2)^(1/2))/(23+x)$  revogf  
A156568 11.7778  $[-23*(x-1)/(x^2-6*x+1)$  ogf]  
A156568 6.51241  $[{a(n+2)-6*a(n+1)+a(n), a(0) = 23, a(1) = 115}],$  ogf]  
A156568 8.64930  $[{-(-x^2+2*x-5)/(-x^3+7*x^2-7*x+1)$  lgdogf]  
A156569 11.7778  $-1/2*(-37-6*x+(1369+376*x+32*x^2)^(1/2))/(17+x)$  revogf  
A156569 12.0283  $[-(17*x-37)/(x^2-6*x+1)$  ogf]  
A156569 13.8389  $-(205-74*x+17*x^2)/(17*x-37)/(x^2-6*x+1)$  lgdogf  
A156569 6.65096  $[{a(n+2)-6*a(n+1)+a(n), a(0) = 37, a(1) = 205}],$  ogf]  
A156569 7.63962  $[{-(-17*x^2+74*x-205)/(-17*x^3+139*x^2-239*x+37)$  lgdogf]  
A156570 12.6840  $[-(37*x-17)/(x^2-6*x+1)$  ogf]  
A156570 12.9815  $-1/2*(-17-6*x+(289+56*x+32*x^2)^(1/2))/(37+x)$  revogf  
A156570 14.9787  $-(65-34*x+37*x^2)/(37*x-17)/(x^2-6*x+1)$  lgdogf  
A156570 7.09702  $[{a(n+2)-6*a(n+1)+a(n), a(0) = 17, a(1) = 65}],$  ogf]  
A156570 8.16644  $[{-(-37*x^2+34*x-65)/(-37*x^3+239*x^2-139*x+17)$  lgdogf]  
A156572 4.93094  $[-(289*x^6+240*x^5+840*x^4-6970*x^3+840*x^2+240*x+289)/(x-1)/$   
 $(x^6-34*x^3+1)$  ogf]  
A156573 4.20138  $[{-a(n+3)+35*a(n+2)-35*a(n+1)+a(n), a(0) = 529, a(1) = 13225,$   
 $a(2) = 444889}],$  ogf]  
A156573 7.50247  $[-529*(x^2-10*x+1)/(x-1)/(x^2-34*x+1)$  ogf]  
A156573 8.43634  $-(25-68*x+x^4-20*x^3+318*x^2)/(x-1)/(x^2-10*x+1)/(x^2-34*x+1)$   
lgdogf  
A156574 4.28068  $[{-a(n+3)+35*a(n+2)-35*a(n+1)+a(n), a(0) = 1369, a(1) = 42025,$   
 $a(2) = 1423249}],$  ogf]  
A156574 6.19872  $-(42025-95252*x+200142*x^2-11780*x^3+289*x^4)/(x-1)/(x^2-34*x$   
 $+1)/(289*x^2-5890*x+1369)$  lgdogf  
A156574 7.65699  $[-(289*x^2-5890*x+1369)/(x-1)/(x^2-34*x+1)$  ogf]  
A156575 4.08629  $[{-a(n+3)+35*a(n+2)-35*a(n+1)+a(n), a(0) = 289, a(1) = 4225,$   
 $a(2) = 139129}],$  ogf]  
A156575 5.70280  $-(4225-17492*x+159102*x^2-11780*x^3+1369*x^4)/(-1+x)/$   
 $(1369*x^2-5890*x+289)/(x^2-34*x+1)$  lgdogf  
A156575 7.13662  $[-(1369*x^2-5890*x+289)/(x-1)/(x^2-34*x+1)$  ogf]  
A156577 10.5782  $[-(9*x^2+x)/(-90*x^2-18*x-1)$  revogf]  
A156577 22.3777  $x*(1+9*x)/(1+18*x+90*x^2)$  revogf  
A156589 10.3917  $[(10*x^2-8*x+1)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A156589 5.74279  $[{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = -1, a(1) = 1, a(2) =$   
 $11}],$  ogf]  
A156589 9.48741  $-(-1-8*x+80*x^4-128*x^3+66*x^2)/(x-1)/(4*x-1)/(2*x-1)/$

$(10*x^2-8*x+1)$  lgdogf  
A156591 12.4687 [  $-(3*x-1)*(3*x-2)/(x+1)/(2*x-1)$  ogf]  
A156591 16.7055  $(7-26*x+27*x^2)/(3*x-1)/(2*x-1)/(3*x-2)/(x+1)$  lgdogf  
A156591 6.47882 [  $\{-a(n+3)+a(n+2)+2*a(n+1), a(0) = 2, a(1) = -7, a(2) = 6\}$ , ogf]  
A156591 8.58234 [  $-(-27*x^2+26*x-7)/(18*x^4-9*x^3-14*x^2+11*x-2)$  lgdogf]  
A156605 10.2268 [  $-(-108*x^2+56*x-8)/(-108*x^3+163*x^2-62*x+7)$  lgdogf]  
A156605 16.0072 [  $-(27*x-7)/(4*x-1)/(x-1)$  ogf]  
A156605 16.4386  $-1/2*(-7-5*x+(49-38*x+9*x^2)^{(1/2)})/(27+4*x)$  revogf  
A156605 17.2214  $-4*(2-14*x+27*x^2)/(x-1)/(-1+4*x)/(27*x-7)$  lgdogf  
A156605 8.97965 [  $\{a(n+2)-5*a(n+1)+4*a(n), a(0) = 7, a(1) = 8\}$ , ogf]  
A156616 12.3503 [  $-(2*x^2+3*x+2)/(-x^4+2*x^2-1)$  ogf\_with\_Euler\_transform]  
A156619 10.8790 [  $-(-7*x^3-29*x^2-46*x-18)/(-7*x^4-11*x^3+11*x+7)$  lgdogf]  
A156619 13.5111 [  $(7*x^2+11*x+7)/(x+1)/(x-1)^2$  ogf]  
A156619 16.4346  $-(18+46*x+29*x^2+7*x^3)/(x-1)/(x+1)/(7*x^2+11*x+7)$  lgdogf  
A156619 7.34812 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 7, a(1) = 18, a(2) = 32\}$ , ogf]  
A156626 5.18023 [  $\{(-n^2-2*n-1)*a(n)+(2*n+4)*a(n+1)-a(n+2), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A156627 13.5328 [  $-(70*x+268)/(70*x^2+29*x-99)$  lgdogf]  
A156627 14.3288 [  $26*(70*x+99)/(x-1)^2$  ogf]  
A156627 17.4825  $-(-1287-x+13*(9801+26*x)^{(1/2)})/(-1820+x)$  revogf  
A156627 24.7167  $-2*(134+35*x)/(70*x+99)/(x-1)$  lgdogf  
A156627 8.30422 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 2574, a(1) = 6968\}$ , ogf]  
A156634 10.1261 [  $(2187*x^3-9*x-1)/(18*x-1)/(18*x+1)$  ogf]  
A156634 5.36088 [  $\{-a(n+4)+324*a(n+2), a(0) = 1, a(1) = 9, a(2) = 324, a(3) = 729\}$ , ogf]  
A156634 7.64967  $9*(9*x+1)*(8748*x^3-972*x^2+63*x+1)/(18*x-1)/(18*x+1)/(2187*x^3-9*x-1)$  lgdogf  
A156635 12.6825 [  $-(145*x+143)/(x-1)^3$  ogf]  
A156635 12.9090 [  $-(290*x+574)/(145*x^2-2*x-143)$  lgdogf]  
A156635 22.1499  $-2*(287+145*x)/(145*x+143)/(x-1)$  lgdogf  
A156635 6.07482 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 143, a(1) = 574, a(2) = 1293\}$ , ogf]  
A156636 13.5328 [  $-(-99*x-239)/(-99*x^2+29*x+70)$  lgdogf]  
A156636 14.3288 [  $26*(99*x+70)/(x-1)^2$  ogf]  
A156636 17.9196  $-(-910-x+13*(4900+26*x)^{(1/2)})/(-2574+x)$  revogf  
A156636 26.5476  $-(239+99*x)/(99*x+70)/(x-1)$  lgdogf  
A156636 8.30422 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 1820, a(1) = 6214\}$ , ogf]  
A156638 11.4645 [  $-(-4*x^3-6*x^2-21*x-5)/(-4*x^4-x^3+x+4)$  lgdogf]  
A156638 13.7199 [  $(4*x^2+x+4)/(x+1)/(x-1)^2$  ogf]  
A156638 18.2386  $-(5+21*x+4*x^3+6*x^2)/(x-1)/(x+1)/(4*x^2+x+4)$  lgdogf  
A156638 7.40629 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 5, a(2) = 13\}$ , ogf]  
A156639 5.38380 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 58, a(1) = 425, a(2) = 1130\}$ , ogf]  
A156639 8.47051 [  $-(29*x^2+560*x+425)/(29*x^3+222*x^2-193*x-58)$  lgdogf]  
A156639 9.77366 [  $-(29*x^2+251*x+58)/(x-1)^3$  ogf]  
A156640 10.1839 [  $-(58*x^2+251*x+29)/(x-1)^3$  ogf]  
A156640 14.4021  $-2*(169+309*x+29*x^2)/(x-1)/(58*x^2+251*x+29)$  lgdogf  
A156640 5.65774 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 29, a(1) = 338, a(2) = 985\}$ , ogf]  
A156640 8.82608 [  $-(58*x^2+618*x+338)/(58*x^3+193*x^2-222*x-29)$  lgdogf]  
A156641 11.1821 [  $13/(100*x-1)/(x-1)$  ogf]  
A156641 14.3097  $-(-101+200*x)/(100*x-1)/(x-1)$  lgdogf  
A156641 4.72133 [  $\{-a(n+2)+101*a(n+1)-100*a(n), a(0) = 13, a(1) = 1313\}$ , ogf]  
A156641 7.82981  $-1/200*(-101*x-13+(81*x+13)^{(1/2)}*(121*x+13)^{(1/2)})/x$  revogf  
A156664 12.3224 [  $(x-1)^2/(2*x-1)/(x^2+2*x-1)$  ogf]  
A156664 16.4013  $-2*(1-x+x^3-3*x^2)/(-1+x)/(2*x-1)/(x^2+2*x-1)$  lgdogf  
A156664 6.71129 [  $\{-a(n+3)+4*a(n+2)-3*a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A156664 9.39581 [  $-(-2*x^3+6*x^2+2*x-2)/(-2*x^4-x^3+7*x^2-5*x+1)$  lgdogf]

A156674 10.1712  $[-(10*x^3+68*x^2+79*x+39)/(10*x^4+29*x^3-29*x-10) \text{ lgdogf}]$   
A156674 12.7141  $[(2*x+5)*(5*x+2)/(x+1)/(x-1)^2 \text{ ogf}]$   
A156674 15.3472  $-(39+79*x+68*x^2+10*x^3)/(x-1)/(2*x+5)/(5*x+2)/(x+1) \text{ lgdogf}$   
A156674 7.07565  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 10, a(1) = 39, a(2) = 59}, \text{ ogf}]$   
A156675 11.1821  $[17/(100*x-1)/(x-1) \text{ ogf}]$   
A156675 14.3097  $-(-101+200*x)/(100*x-1)/(x-1) \text{ lgdogf}$   
A156675 4.72133  $[{-a(n+2)+101*a(n+1)-100*a(n), a(0) = 17, a(1) = 1717}, \text{ ogf}]$   
A156675 7.82981  $-1/200*(-101*x-17+(81*x+17)^(1/2)*(121*x+17)^(1/2))/x \text{ revogf}$   
A156676 10.1008  $[{-(-131*x^2-312*x-43)/(-131*x^3+106*x^2+19*x+6) \text{ lgdogf}]$   
A156676 11.6791  $[-(131*x^2+25*x+6)/(x-1)^3 \text{ ogf}]$   
A156676 17.4528  $-(43+312*x+131*x^2)/(x-1)/(131*x^2+25*x+6) \text{ lgdogf}$   
A156676 6.49965  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 6, a(1) = 43, a(2) = 242}, \text{ ogf}]$   
A156677 11.2705  $[-(242*x^2-123*x+43)/(x-1)^3 \text{ ogf}]$   
A156677 16.2090  $-2*(3+119*x+121*x^2)/(x-1)/(242*x^2-123*x+43) \text{ lgdogf}$   
A156677 6.46826  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 43, a(1) = 6, a(2) = 131}, \text{ ogf}]$   
A156677 9.91800  $[{-(-242*x^2-238*x-6)/(-242*x^3+365*x^2-166*x+43) \text{ lgdogf}]$   
A156701 10.2968  $-(25+122*x+122*x^3+25*x^4+186*x^2)/(x-1)/(25*x^4+11*x^3+51*x^2+5*x+4) \text{ lgdogf}$   
A156701 7.39122  $[-(25*x^4+11*x^3+51*x^2+5*x+4)/(x-1)^5 \text{ ogf}]$   
A156702 7.54081  $-(127+195*x+x^7+229*x^5+665*x^4+295*x^3+539*x^2+253*x^6)/(x-1)/(x+1)/(x^2+1)/(x^4+126*x^3+34*x^2+126*x+1) \text{ lgdogf}$   
A156702 9.84161  $[ (x^4+126*x^3+34*x^2+126*x+1)/(x+1)/(x^2+1)/(x-1)^2 \text{ ogf}]$   
A156711 11.0131  $[-(45*x^2+215*x+28)/(x-1)^3 \text{ ogf}]$   
A156711 16.3197  $-(299+520*x+45*x^2)/(x-1)/(45*x^2+215*x+28) \text{ lgdogf}$   
A156711 6.11838  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 28, a(1) = 299, a(2) = 858}, \text{ ogf}]$   
A156711 9.54468  $[-(45*x^2+520*x+299)/(45*x^3+170*x^2-187*x-28) \text{ lgdogf}]$   
A156712 10.3289  $[-(x^2-8*x+1)/(x-1)/(x^2-14*x+1) \text{ ogf}]$   
A156712 5.65844  $[{-a(n+3)+15*a(n+2)-15*a(n+1)+a(n), a(0) = 1, a(1) = 7, a(2) = 91}, \text{ ogf}]$   
A156712 6.13888  $[{-(-x^4+16*x^3-108*x^2+28*x-7)/(-x^5+23*x^4-136*x^3+136*x^2-23*x+1) \text{ lgdogf}]$   
A156712 8.35557  $-(7-28*x+x^4-16*x^3+108*x^2)/(x-1)/(1-14*x+x^2)/(x^2-8*x+1) \text{ lgdogf}$   
A156718 12.7285  $[ (70*x^2+29*x+70)/(x+1)/(x-1)^2 \text{ ogf}]$   
A156718 14.5345  $-(99+379*x+128*x^2+70*x^3)/(x-1)/(x+1)/(70*x^2+29*x+70) \text{ lgdogf}$   
A156718 7.02263  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 70, a(1) = 99, a(2) = 239}, \text{ ogf}]$   
A156718 9.93445  $[-(70*x^3+128*x^2+379*x+99)/(70*x^4+29*x^3-29*x-70) \text{ lgdogf}]$   
A156719 10.5433  $[-(28*x^2+215*x+45)/(x-1)^3 \text{ ogf}]$   
A156719 15.6123  $-(45+520*x+299*x^2)/(x-1)/(299*x^2-39*x+28) \text{ lgdogf}$   
A156719 5.85740  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 45, a(1) = 350, a(2) = 943}, \text{ ogf}]$   
A156719 9.13755  $[-(28*x^2+486*x+350)/(28*x^3+187*x^2-170*x-45) \text{ lgdogf}]$   
A156721 4.77789  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 19603, a(1) = 143649, a(2) = 381939}, \text{ ogf}]$   
A156721 6.54363  $[-(9801*x^2+189282*x+143649)/(9801*x^3+75039*x^2-65237*x-19603) \text{ lgdogf}]$   
A156721 8.36131  $[-(9801*x^2+84840*x+19603)/(x-1)^3 \text{ ogf}]$   
A156721 9.99105  $-(19603+208886*x+114243*x^2)/(x-1)/(114243*x^2-9800*x+9801) \text{ lgdogf}$   
A156735 10.5576  $-(114243+208886*x+19603*x^2)/(x-1)/(19603*x^2+84840*x+9801) \text{ lgdogf}$   
A156735 5.08488  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 9801, a(1) = 114243, a(2) = 332929}, \text{ ogf}]$   
A156735 6.83452  $[-(19603*x^2+208886*x+114243)/(19603*x^3+65237*x^2-75039*x-9801) \text{ lgdogf}]$   
A156735 8.82792  $[-(19603*x^2+84840*x+9801)/(x-1)^3 \text{ ogf}]$

A156752 13.7680  $[-(3*x^4-4*x^3-2)/(-x^5+x^4-x^2+1) \text{ lgdogf}]$   
A156752 22.0287  $[-(x^4+x+1)/(x-1) \text{ ogf}]$   
A156752 30.3962  $(-2+3*x^4-4*x^3)/(x-1)/(x^4+x+1) \text{ lgdogf}$   
A156752 5.38746  $[{(-3*n^2+9*n)*a(n)+(-n^2-9*n+16)*a(n+1)+(4*n^2-16)*a(n+2)}, a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 2, a(4) = 3], \text{ ogf}]$   
A156755 10.2195  $[-(3*x^8+2*x^7+2*x^6+2*x^5+x^4+x^3+2*x^2+x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1) \text{ ogf}]$   
A156760 10.3287  $[-(-4*x^2+32*x-19)/(-4*x^3+21*x^2-21*x+4) \text{ lgdogf}]$   
A156760 15.6078  $[-(x-4)/(4*x-1)/(x-1) \text{ ogf}]$   
A156760 16.0381  $-1/2*(-4-5*x+(16+36*x+9*x^2)^{(1/2)})/(4*x+1) \text{ revogf}$   
A156760 18.6388  $-(19-32*x+4*x^2)/(x-1)/(-1+4*x)/(x-4) \text{ lgdogf}$   
A156760 8.46204  $[{-a(n+2)+5*a(n+1)-4*a(n)}, a(0) = 4, a(1) = 19], \text{ ogf}]$   
A156771 13.4714  $[{-(-59*x-103)/(-59*x^2+37*x+22) \text{ lgdogf}]$   
A156771 14.8460  $[9*(59*x+22)/(x-1)^2 \text{ ogf}]$   
A156771 20.3749  $-(-99-x+9*(121+9*x)^{(1/2)})/(-531+x) \text{ revogf}$   
A156771 26.4119  $-(103+59*x)/(59*x+22)/(x-1) \text{ lgdogf}$   
A156771 8.45878  $[{-a(n+2)+2*a(n+1)-a(n)}, a(0) = 198, a(1) = 927], \text{ ogf}]$   
A156772 13.6041  $[{- (22*x+140)/(22*x^2+37*x-59) \text{ lgdogf}]$   
A156772 14.9923  $[9*(22*x+59)/(x-1)^2 \text{ ogf}]$   
A156772 16.3702  $-1/2*(-531-2*x+9*(3481+36*x)^{(1/2)})/(-198+x) \text{ revogf}$   
A156772 25.7246  $-2*(70+11*x)/(22*x+59)/(x-1) \text{ lgdogf}$   
A156772 8.44393  $[{-a(n+2)+2*a(n+1)-a(n)}, a(0) = 531, a(1) = 1260], \text{ ogf}]$   
A156773 12.4032  $-(485+19280*x+19601*x^2)/(x-1)/(19601*x^2-9961*x+3482) \text{ lgdogf}$   
A156773 5.64546  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n)}, a(0) = 3482, a(1) = 485, a(2) = 10610], \text{ ogf}]$   
A156773 7.67529  $[{-(-19601*x^2-19280*x-485)/(-19601*x^3+29562*x^2-13443*x+3482) \text{ lgdogf}]$   
A156773 9.62114  $[ -(19601*x^2-9961*x+3482)/(x-1)^3 \text{ ogf}]$   
A156774 12.2383  $-2*(1741+12637*x+5305*x^2)/(x-1)/(10610*x^2+2027*x+485) \text{ lgdogf}$   
A156774 5.67300  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n)}, a(0) = 485, a(1) = 3482, a(2) = 19601], \text{ ogf}]$   
A156774 7.89003  $[{-(-10610*x^2-25274*x-3482)/(-10610*x^3+8583*x^2+1542*x+485) \text{ lgdogf}]$   
A156774 9.80619  $[ -(10610*x^2+2027*x+485)/(x-1)^3 \text{ ogf}]$   
A156795 15.0856  $[{-(-59*x-103)/(-59*x^2+37*x+22) \text{ lgdogf}]$   
A156795 17.3324  $[ (59*x+22)/(x-1)^2 \text{ ogf}]$   
A156795 24.2242  $-(-11-x+(121+81*x)^{(1/2)})/(-59+x) \text{ revogf}$   
A156795 29.6074  $-(103+59*x)/(59*x+22)/(x-1) \text{ lgdogf}$   
A156795 9.58382  $[{-a(n+2)+2*a(n+1)-a(n)}, a(0) = 22, a(1) = 103], \text{ ogf}]$   
A156796 14.7163  $[{- (22*x+140)/(22*x^2+37*x-59) \text{ lgdogf}]$   
A156796 16.9081  $[ (22*x+59)/(x-1)^2 \text{ ogf}]$   
A156796 19.0132  $-1/2*(-59-2*x+(3481+324*x)^{(1/2)})/(-22+x) \text{ revogf}$   
A156796 27.8408  $-2*(70+11*x)/(22*x+59)/(x-1) \text{ lgdogf}$   
A156796 9.34918  $[{-a(n+2)+2*a(n+1)-a(n)}, a(0) = 59, a(1) = 140], \text{ ogf}]$   
A156797 10.0294  $[{-(-22*x^3-96*x^2-147*x-59)/(-22*x^4-37*x^3+37*x+22) \text{ lgdogf}]$   
A156797 12.6935  $[ (22*x^2+37*x+22)/(x+1)/(x-1)^2 \text{ ogf}]$   
A156797 14.7589  $-(59+147*x+96*x^2+22*x^3)/(x-1)/(x+1)/(22*x^2+37*x+22) \text{ lgdogf}$   
A156797 7.00329  $[{-a(n+3)+a(n+2)+a(n+1)-a(n)}, a(0) = 22, a(1) = 59, a(2) = 103], \text{ ogf}]$   
A156798 12.0135  $-5*(1+2*x+x^4+6*x^2+2*x^3)/(x-1)/(5*x^4-5*x^3+15*x^2-5*x+2) \text{ lgdogf}$   
A156798 7.08729  $[{-(-5*x^4-10*x^3-30*x^2-10*x-5)/(-5*x^5+10*x^4-20*x^3+20*x^2-7*x+2) \text{ lgdogf}]$   
A156798 7.30206  $[ -2*(5*x^4-5*x^3+15*x^2-5*x+2)/(x-1)^5 \text{ ogf}]$   
A156810 11.4741  $[ -2*(273*x^2-83*x+35)/(x-1)^3 \text{ ogf}]$   
A156810 17.2807  $-(22+380*x+273*x^2)/(x-1)/(273*x^2-83*x+35) \text{ lgdogf}$   
A156810 6.52836  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n)}, a(0) = 70, a(1) = 44, a(2) = 468], \text{ ogf}]$   
A156810 9.96434  $[{-(-273*x^2-380*x-22)/(-273*x^3+356*x^2-118*x+35) \text{ lgdogf}]$   
A156812 10.0972  $[{-(-234*x^2-406*x-35)/(-234*x^3+265*x^2-53*x+22) \text{ lgdogf}]$   
A156812 11.6506  $[ -2*(234*x^2-31*x+22)/(x-1)^3 \text{ ogf}]$

A156812 17.2807  $-(35+406*x+234*x^2)/(x-1)/(234*x^2-31*x+22)$  lgdogf  
A156812 6.52836  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 44, a(1) = 70, a(2) = 546}],$  ogf]  
A156813 13.1156  $[-2*(113*x+112)/(x-1)^3$  ogf]  
A156813 13.3498  $[-(226*x+449)/(113*x^2-x-112)$  lgdogf]  
A156813 24.4494  $-(449+226*x)/(113*x+112)/(x-1)$  lgdogf  
A156813 6.28225  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 224, a(1) = 898, a(2) = 2022}],$  ogf]  
A156814 13.1156  $[-2*(112*x+113)/(x-1)^3$  ogf]  
A156814 13.3498  $[-(224*x+451)/(112*x^2+x-113)$  lgdogf]  
A156814 6.28225  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 226, a(1) = 902, a(2) = 2028}],$  ogf]  
A156840 10.0737  $[(x^4+198*x^3+52*x^2+198*x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A156840 7.60442  $-(-251-647*x+x^7-3*x^6-595*x^5-407*x^4-455*x^2-1243*x^3)/(x-1)/(x+1)/(x^2+1)/(x^4-2*x^3-198*x^2-52*x-199)$  lgdogf  
A156841 11.1782  $[-(887*x^2+125*x+46)/(x-1)^3$  ogf]  
A156841 15.7343  $-(263+2024*x+887*x^2)/(x-1)/(887*x^2+125*x+46)$  lgdogf  
A156841 6.25224  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 46, a(1) = 263, a(2) = 1538}],$  ogf]  
A156841 9.58135  $[-(887*x^2-2024*x-263)/(-887*x^3+762*x^2+79*x+46)$  lgdogf]  
A156842 10.7648  $[-(263*x^2+749*x+46)/(x-1)^3$  ogf]  
A156842 14.5128  $-2*(23+795*x+769*x^2)/(x-1)/(1538*x^2-743*x+263)$  lgdogf  
A156842 6.02099  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 46, a(1) = 887, a(2) = 2786}],$  ogf]  
A156842 9.10868  $[-(263*x^2+2024*x+887)/(263*x^3+486*x^2-703*x-46)$  lgdogf]  
A156843 10.0133  $-6*(23188+178449*x+78204*x^2)/(x-1)/(469224*x^2+66123*x+24335)$  lgdogf  
A156843 5.02674  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 24335, a(1) = 139128, a(2) = 813603}],$  ogf]  
A156843 6.46295  $[-(469224*x^2-1070694*x-139128)/(-469224*x^3+403101*x^2+41788*x+24335)$  lgdogf]  
A156843 8.55904  $[-(469224*x^2+66123*x+24335)/(x-1)^3$  ogf]  
A156844 4.74609  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 24335, a(1) = 469224, a(2) = 1473795}],$  ogf]  
A156844 8.03671  $[-(139128*x^2+396219*x+24335)/(x-1)^3$  ogf]  
A156844 9.37125  $-(24335+841108*x+813603*x^2)/(x-1)/(813603*x^2-393049*x+139128)$  lgdogf  
A156845 12.4926  $[-(373*x-685)/(-373*x^2+217*x+156)$  lgdogf]  
A156845 14.2073  $[23*(373*x+156)/(x-1)^2$  ogf]  
A156845 17.3375  $-(-1794-x+23*(6084+23*x)^(1/2))/(-8579+x)$  revogf  
A156845 23.6945  $-(685+373*x)/(373*x+156)/(x-1)$  lgdogf  
A156845 8.14126  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 3588, a(1) = 15755}],$  ogf]  
A156846 12.4926  $[-(156*x+902)/(156*x^2+217*x-373)$  lgdogf]  
A156846 14.2073  $[23*(156*x+373)/(x-1)^2$  ogf]  
A156846 14.5069  $-1/2*(-8579-2*x+23*(139129+92*x)^(1/2))/(-3588+x)$  revogf  
A156846 22.9302  $-2*(451+78*x)/(156*x+373)/(x-1)$  lgdogf  
A156846 8.14126  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 8579, a(1) = 20746}],$  ogf]  
A156849 11.0666  $[(156*x^2+217*x+156)/(x+1)/(x-1)^2$  ogf]  
A156849 12.1118  $-(373+997*x+590*x^2+156*x^3)/(x-1)/(x+1)/(156*x^2+217*x+156)$  lgdogf  
A156849 6.28360  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 156, a(1) = 373, a(2) = 685}],$  ogf]  
A156849 8.42574  $[-(156*x^3+590*x^2+997*x+373)/(156*x^4+217*x^3-217*x-156)$  lgdogf]  
A156853 10.1019  $[-2*(26*x^2+1285*x+714)/(x-1)^3$  ogf]  
A156853 14.0304  $-(714+3998*x+1363*x^2)/(x-1)/(1363*x^2+636*x+26)$  lgdogf  
A156853 5.63057  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1428, a(1) = 6854, a(2) = 16330}],$  ogf]  
A156853 8.69530  $[-(26*x^2+2622*x+3427)/(26*x^3+1259*x^2-571*x-714)$  lgdogf]  
A156854 10.4037  $[-2*(714*x^2+1285*x+26)/(x-1)^3$  ogf]  
A156854 14.1601  $-(26+2622*x+3427*x^2)/(x-1)/(3427*x^2-2116*x+714)$  lgdogf

A156854 5.94496  $[ \{ a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = 52, a(1) = 2726, a(2) = 9450 \}, \text{ogf}]$   
A156854 8.84312  $[ -(714*x^2 + 3998*x + 1363) / (714*x^3 + 571*x^2 - 1259*x - 26) \text{lgdogf}]$   
A156855 12.0176  $[ -(2026*x + 4049) / (1013*x^2 - x - 1012) \text{lgdogf}]$   
A156855 12.2213  $[ -2*(1013*x + 1012) / (x-1)^3 \text{ogf}]$   
A156855 20.8073  $[ -(2026*x + 4049) / (1012 + 1013*x) / (x-1) \text{lgdogf}]$   
A156855 5.91028  $[ \{ a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = 2024, a(1) = 8098, a(2) = 18222 \}, \text{ogf}]$   
A156856 12.0176  $[ -(2024*x + 4051) / (1012*x^2 + x - 1013) \text{lgdogf}]$   
A156856 12.2213  $[ -2*(1012*x + 1013) / (x-1)^3 \text{ogf}]$   
A156856 20.8073  $[ -(4051 + 2024*x) / (1012*x + 1013) / (x-1) \text{lgdogf}]$   
A156856 5.91028  $[ \{ a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = 2026, a(1) = 8102, a(2) = 18228 \}, \text{ogf}]$   
A156857 10.2648  $[ (2*x+1) / (4*x^2+x+1)^2 \text{ogf}]$   
A156857 10.2648  $[ -(24*x^2 + 18*x) / (8*x^3 + 6*x^2 + 3*x + 1) \text{lgdogf}]$   
A156857 21.0456  $[ -6*x*(3+4*x) / (2*x+1) / (4*x^2+x+1) \text{lgdogf}]$   
A156859 12.8843  $[ -(-3*x^2 - 14*x - 7) / (-x^3 - 3*x^2 + x + 3) \text{lgdogf}]$   
A156859 14.6926  $[ -x*(x+3) / (x+1) / (x-1)^3 \text{ogf}]$   
A156859 24.2848  $[ -(7+14*x+3*x^2) / (-1+x) / (3+x) / (x+1) \text{lgdogf}]$   
A156859 4.25117  $[ \{ (-9-3*n)*a(n+4) + (5-n)*a(n+3) + (17+3*n)*a(n+2) + (n+3)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 7, a(3) = 14 \}, \text{ogf}]$   
A156863 10.7954  $[ -11*(1+88*x+484*x^2) / (22*x+1) / (22*x-1) / (11*x+1) \text{lgdogf}]$   
A156863 11.7835  $[ -(11*x+1) / (22*x-1) / (22*x+1) \text{ogf}]$   
A156863 12.0806  $[ 1/22*(-1+(1+44*x+1936*x^2)^{1/2}) / (1+44*x) \text{revogf}]$   
A156863 6.82203  $[ -(-5324*x^2 - 968*x - 11) / (-5324*x^3 - 484*x^2 + 11*x + 1) \text{lgdogf}]$   
A156863 7.73842  $[ \{-a(n+2) + 484*a(n), a(0) = 1, a(1) = 11\}, \text{ogf}]$   
A156865 10.4055  $[ -(-3401*x - 4699) / (-3401*x^2 + 2752*x + 649) \text{lgdogf}]$   
A156865 11.7299  $[ 180*(3401*x + 649) / (x-1)^2 \text{ogf}]$   
A156865 13.7485  $[ -(58410 - x + 90*(421201 + 90*x)^{1/2}) / (-612180 + x) \text{revogf}]$   
A156865 19.1646  $[ -(4699 + 3401*x) / (3401*x + 649) / (x-1) \text{lgdogf}]$   
A156865 7.01243  $[ \{-a(n+2) + 2*a(n+1) - a(n), a(0) = 116820, a(1) = 845820\}, \text{ogf}]$   
A156866 10.6803  $[ -(649*x + 7451) / (649*x^2 + 2752*x - 3401) \text{lgdogf}]$   
A156866 11.8455  $[ 180*(649*x + 3401) / (x-1)^2 \text{ogf}]$   
A156866 13.0365  $[ -(306090 - x + 90*(11566801 + 90*x)^{1/2}) / (-116820 + x) \text{revogf}]$   
A156866 19.9621  $[ -(7451 + 649*x) / (649*x + 3401) / (x-1) \text{lgdogf}]$   
A156866 7.00538  $[ \{-a(n+2) + 2*a(n+1) - a(n), a(0) = 612180, a(1) = 1341180\}, \text{ogf}]$   
A156867 11.4298  $[ -(x+8099) / (x^2 + 4048*x - 4049) \text{lgdogf}]$   
A156867 12.5288  $[ 180*(x+4049) / (x-1)^2 \text{ogf}]$   
A156867 13.8867  $[ -(364410 - x + 90*(16394401 + 90*x)^{1/2}) / (-180 + x) \text{revogf}]$   
A156867 26.6162  $[ -(8099 + x) / (x+4049) / (x-1) \text{lgdogf}]$   
A156867 7.00538  $[ \{-a(n+2) + 2*a(n+1) - a(n), a(0) = 728820, a(1) = 1457820\}, \text{ogf}]$   
A156868 11.4298  $[ -(-x+8101) / (-x^2 + 4052*x - 4051) \text{lgdogf}]$   
A156868 12.5288  $[ -180*(x-4051) / (x-1)^2 \text{ogf}]$   
A156868 16.8102  $[ -(90 - x + 90*(1+90*x)^{1/2}) / (-728820 + x) \text{revogf}]$   
A156868 20.6061  $[ -(4051 + 4049*x) / (4049*x + 1) / (x-1) \text{lgdogf}]$   
A156868 7.00538  $[ \{-a(n+2) + 2*a(n+1) - a(n), a(0) = 729180, a(1) = 1458180\}, \text{ogf}]$   
A156872 6.27218  $[ -(3+2*x+9*x^8+15*x^6+6*x^5-4*x^7-4*x^3+2*x^9-9*x^2) / (x^2+1) / (x^4+3*x^3-x^2+3*x+1) / (x^4-x^2+1) \text{lgdogf}]$   
A156872 7.11785  $[ (x^4+3*x^3-x^2+3*x+1) / (x^2+1) / (x^4-x^2+1) \text{ogf}]$   
A156906 4.08784  $[ \{-4*a(n)*n-4*a(n+1)*n+(-n-3)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 1\}, \text{ogf}]$   
A156922 5.29372  $[ -(3*x+1)*(2*x-1)/(5*x-1)/(3*x-1)^2/(x-1)^3 \text{ogf}]$   
A156922 6.74768  $[ -3*(-5+29*x+120*x^4-93*x^3-19*x^2)/(x-1)/(3*x-1)/(2*x-1)/(3*x+1)/(5*x-1) \text{lgdogf}]$   
A156928 15.6389  $[ -(7+7*x+8*x^2)/(x-1)/(2*x-1)/(x+1) \text{lgdogf}]$   
A156928 7.89286  $[ -(x+1)/(2*x-1)/(x-1)^4 \text{ogf}]$   
A156928 8.75614  $[ -(8*x^2+7*x-7)/(2*x^3-x^2-2*x+1) \text{lgdogf}]$   
A156934 12.6019  $[ -4*(-2+3*x+3*x^2)/(-1+x)/(-1+3*x)/(x+1) \text{lgdogf}]$   
A156934 6.99778  $[ -(x+1)/(3*x-1)/(x-1)^4 \text{ogf}]$   
A156934 7.63394  $[ -(12*x^2+12*x-8)/(3*x^3-x^2-3*x+1) \text{lgdogf}]$   
A157002 17.2591  $[ 1/2+1/2*x^2-1/2*(1+6*x^2+x^4-4*x)^{1/2} \text{revogf}]$

A157002 9.48751  $[1/2*x^2+1/2-1/2*(x^4+6*x^2-4*x+1)^{(1/2)} \text{ revogf}]$   
A157003 10.8817  $[1/2/x^2-1/2*(4*x^4-4*x^3+1)^{(1/2)}/x^2 \text{ revogf}]$   
A157003 19.5172  $-1/2*(-1+(1-4*x^3+4*x^4)^{(1/2)})/x^2 \text{ revogf}$   
A157004 12.0089  $[-(6*x^2-2)/(4*x^3-4*x+1) \text{ lgdogf}]$   
A157004 22.6514  $-2*(-1+3*x^2)/(1-4*x+4*x^3) \text{ lgdogf}$   
A157004 3.78462  $[ \{(-n-4)*a(n+4)+(14+4*n)*a(n+3)+(-10-4*n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 18\}, \text{ ogf}]$   
A157010 10.5037  $[ -(85*x^2+2267*x+1010)/(x-1)^3 \text{ ogf}]$   
A157010 14.5968  $-(5297+4704*x+85*x^2)/(x-1)/(85*x^2+2267*x+1010) \text{ lgdogf}$   
A157010 5.85452  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1010, a(1) = 5297, a(2) = 12946\}, \text{ ogf}]$   
A157010 8.81793  $[ -(85*x^2+4704*x+5297)/(85*x^3+2182*x^2-1257*x-1010) \text{ lgdogf}]$   
A157014 10.2241  $[ -(-x^2+2*x-21)/(-x^3+23*x^2-23*x+1) \text{ lgdogf}]$   
A157014 14.8917  $[ -(x-1)/(x^2-22*x+1) \text{ ogf}]$   
A157014 8.15498  $[ \{a(n+2)-22*a(n+1)+a(n), a(0) = 1, a(1) = 21\}, \text{ ogf}]$   
A157022 8.90239  $[ (x+1)*(x^2+x+1)*(x^6-x^5+x^4-x^3+x^2-x+1)/(x^4+1)/(x^8-x^4+1) \text{ ogf}]$   
A157024 13.5630  $-6*(x+1)*(2*x^2+23*x+2)/(x-1)/(x^4+8*x^3+63*x^2+8*x+1) \text{ lgdogf}$   
A157024 7.77733  $[ -(-12*x^3-150*x^2-150*x-12)/(-x^5-7*x^4-55*x^3+55*x^2+7*x+1) \text{ lgdogf}]$   
A157024 8.68167  $[ (x^4+8*x^3+63*x^2+8*x+1)/(x-1)^4 \text{ ogf}]$   
A157027 5.11862  $[ \{-a(n+4)+676*a(n+2), a(0) = 1, a(1) = 13, a(2) = 676, a(3) = 4394\}, \text{ ogf}]$   
A157027 6.94996  $13*(1+104*x-338*x^2+228488*x^4)/(26*x-1)/(13*x-1)/(26*x+1)/(338*x^2+26*x+1) \text{ lgdogf}$   
A157027 9.67885  $[ (13*x-1)*(338*x^2+26*x+1)/(26*x-1)/(26*x+1) \text{ ogf}]$   
A157040 12.4969  $[ -(123*x+119)/(x-1)^3 \text{ ogf}]$   
A157040 12.7201  $[ -(246*x+480)/(123*x^2-4*x-119) \text{ lgdogf}]$   
A157040 23.2740  $-6*(80+41*x)/(123*x+119)/(x-1) \text{ lgdogf}$   
A157040 5.98592  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 119, a(1) = 480, a(2) = 1083\}, \text{ ogf}]$   
A157052 13.4527  $-(9+20*x+3*x^4+26*x^2+12*x^3)/(x-1)/(x^4+2*x^3+4*x^2+2*x+1) \text{ lgdogf}$   
A157052 4.69590  $[ \{(n^2+7*n+12)*a(n+1)+(42+12*n)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 2, a(1) = 18, a(2) = 92\}, \text{ ogf}]$   
A157052 7.14773  $[ -2*(x^4+2*x^3+4*x^2+2*x+1)/(x-1)^7 \text{ ogf}]$   
A157052 8.15853  $[ -(-3*x^4-12*x^3-26*x^2-20*x-9)/(-x^5-x^4-2*x^3+2*x^2+x+1) \text{ lgdogf}]$   
A157053 4.39890  $[ \{(n^2+7*n+12)*a(n+1)+(56+16*n)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 2, a(1) = 24, a(2) = 162\}, \text{ ogf}]$   
A157053 5.00664  $[ -2*(x^6+3*x^5+9*x^4+9*x^3+9*x^2+3*x+1)/(x-1)^9 \text{ ogf}]$   
A157053 8.89929  $-3*(4+14*x+6*x^5+20*x^4+30*x^2+30*x^3+x^6)/(x-1)/(x^6+3*x^5+9*x^4+9*x^3+9*x^2+3*x+1) \text{ lgdogf}$   
A157054 3.85075  $[ -2*(x^8+4*x^7+16*x^6+24*x^5+36*x^4+24*x^3+16*x^2+4*x+1)/(x-1)^{11} \text{ ogf}]$   
A157054 4.36270  $[ \{(n^2+7*n+12)*a(n+1)+(70+20*n)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 2, a(1) = 30, a(2) = 252\}, \text{ ogf}]$   
A157054 6.33815  $-3*(5+24*x+80*x^5+124*x^4+72*x^2+112*x^3+36*x^6+8*x^7+x^8)/(x-1)/(x^8+4*x^7+16*x^6+24*x^5+36*x^4+24*x^3+16*x^2+4*x+1) \text{ lgdogf}$   
A157055 4.48224  $[ \{(n^2+7*n+12)*a(n+1)+(84+24*n)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 2, a(1) = 36, a(2) = 362\}, \text{ ogf}]$   
A157056 4.46550  $[ \{(n^2+7*n+12)*a(n+1)+(98+28*n)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 2, a(1) = 42, a(2) = 492\}, \text{ ogf}]$   
A157057 4.38352  $[ \{(n^2+7*n+12)*a(n+1)+(112+32*n)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 2, a(1) = 48, a(2) = 642\}, \text{ ogf}]$   
A157058 4.23471  $[ \{(n^2+7*n+12)*a(n+1)+(126+36*n)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 2, a(1) = 54, a(2) = 812\}, \text{ ogf}]$   
A157059 4.09783  $[ \{(n^2+7*n+12)*a(n+1)+(140+40*n)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 2, a(1) = 60, a(2) = 1002\}, \text{ ogf}]$   
A157060 3.24730  $[ \{(n^2+7*n+12)*a(n+1)+(154+44*n)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 2, a(1) = 66, a(2) = 1212\}, \text{ ogf}]$

A157061 4.03617 [  $\{(n^2+7n+12)*a(n+1)+(168+48n)*a(n+2)+(-n^2-7n-12)*a(n+3),$   
 $a(0) = 2, a(1) = 72, a(2) = 1442\}$ , ogf]  
A157062 4.17534 [  $\{(n^2+7n+12)*a(n+1)+(182+52n)*a(n+2)+(-n^2-7n-12)*a(n+3),$   
 $a(0) = 2, a(1) = 78, a(2) = 1692\}$ , ogf]  
A157063 3.90301 [  $\{(n^2+7n+12)*a(n+1)+(196+56n)*a(n+2)+(-n^2-7n-12)*a(n+3),$   
 $a(0) = 2, a(1) = 84, a(2) = 1962\}$ , ogf]  
A157064 3.97148 [  $\{(n^2+7n+12)*a(n+1)+(210+60n)*a(n+2)+(-n^2-7n-12)*a(n+3),$   
 $a(0) = 2, a(1) = 90, a(2) = 2252\}$ , ogf]  
A157065 4.03995 [  $\{(n^2+7n+12)*a(n+1)+(224+64n)*a(n+2)+(-n^2-7n-12)*a(n+3),$   
 $a(0) = 2, a(1) = 96, a(2) = 2562\}$ , ogf]  
A157066 4.13615 [  $\{(n^2+7n+12)*a(n+1)+(238+68n)*a(n+2)+(-n^2-7n-12)*a(n+3),$   
 $a(0) = 2, a(1) = 102, a(2) = 2892\}$ , ogf]  
A157067 3.83112 [  $\{(n^2+7n+12)*a(n+1)+(252+72n)*a(n+2)+(-n^2-7n-12)*a(n+3),$   
 $a(0) = 2, a(1) = 108, a(2) = 3242\}$ , ogf]  
A157068 3.88131 [  $\{(n^2+7n+12)*a(n+1)+(266+76n)*a(n+2)+(-n^2-7n-12)*a(n+3),$   
 $a(0) = 2, a(1) = 114, a(2) = 3612\}$ , ogf]  
A157069 3.93149 [  $\{(n^2+7n+12)*a(n+1)+(280+80n)*a(n+2)+(-n^2-7n-12)*a(n+3),$   
 $a(0) = 2, a(1) = 120, a(2) = 4002\}$ , ogf]  
A157070 3.99841 [  $\{(n^2+7n+12)*a(n+1)+(294+84n)*a(n+2)+(-n^2-7n-12)*a(n+3),$   
 $a(0) = 2, a(1) = 126, a(2) = 4412\}$ , ogf]  
A157071 4.04860 [  $\{(n^2+7n+12)*a(n+1)+(308+88n)*a(n+2)+(-n^2-7n-12)*a(n+3),$   
 $a(0) = 2, a(1) = 132, a(2) = 4842\}$ , ogf]  
A157072 4.06534 [  $\{(n^2+7n+12)*a(n+1)+(322+92n)*a(n+2)+(-n^2-7n-12)*a(n+3),$   
 $a(0) = 2, a(1) = 138, a(2) = 5292\}$ , ogf]  
A157073 3.74434 [  $\{(n^2+7n+12)*a(n+1)+(336+96n)*a(n+2)+(-n^2-7n-12)*a(n+3),$   
 $a(0) = 2, a(1) = 144, a(2) = 5762\}$ , ogf]  
A157074 3.78851 [  $\{(n^2+7n+12)*a(n+1)+(350+100n)*a(n+2)+(-n^2-7n-12)*a(n+3),$   
 $a(0) = 2, a(1) = 150, a(2) = 6252\}$ , ogf]  
A157078 4.87941 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 842401, a(1) = 44161201,$   
 $a(2) = 153090001\}$ , ogf]  
A157078 8.05102 [  $-(23133601*x^2+41633998*x+842401)/(x-1)^3$  ogf]  
A157079 4.53662 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 23133601, a(1) =$   
 $111034801, a(2) = 264546001\}$ , ogf]  
A157079 7.65555 [  $-(842401*x^2+41633998*x+23133601)/(x-1)^3$  ogf]  
A157080 3.86156 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 32788801, a(1) =$   
 $131187601, a(2) = 295196401\}$ , ogf]  
A157080 6.95081 [  $-(x^2+32821198*x+32788801)/(x-1)^3$  ogf]  
A157081 4.53662 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 32821201, a(1) =$   
 $131252401, a(2) = 295293601\}$ , ogf]  
A157081 6.31386 [  $-(x^2+65577598*x+131252401)/(x^3+32788797*x^2+32403*x-32821201)$   
lgdogf]  
A157081 8.16592 [  $-(x^2+32788798*x+32821201)/(x-1)^3$  ogf]  
A157084 4.05442 [  $\{-a(n+3)+11*a(n+2)-11*a(n+1)+a(n), a(0) = 0, a(1) = 10, a(2) =$   
 $108\}$ , ogf]  
A157084 7.83855 [  $2*x*(x-5)/(x-1)/(x^2-10*x+1)$  ogf]  
A157084 9.42476 [  $-2*(-27+55*x+x^3-13*x^2)/(x-5)/(x-1)/(x^2-10*x+1)$  lgdogf]  
A157085 4.74317 [  $\{-a(n+3)+11*a(n+2)-11*a(n+1)+a(n), a(0) = 2, a(1) = 14, a(2) =$   
 $134\}$ , ogf]  
A157085 8.80875 [  $-2*(x^2-4*x+1)/(x-1)/(x^2-10*x+1)$  ogf]  
A157085 9.36879 [  $-(7-20*x+36*x^2-8*x^3+x^4)/(-1+x)/(x^2-4*x+1)/(x^2-10*x+1)$   
lgdogf]  
A157088 3.99158 [  $\{-a(n+3)+15*a(n+2)-15*a(n+1)+a(n), a(0) = 0, a(1) = 21, a(2) =$   
 $312\}$ , ogf]  
A157088 7.71705 [  $3*x*(x-7)/(x-1)/(x^2-14*x+1)$  ogf]  
A157088 9.09410 [  $-2*(-52+105*x+x^3-18*x^2)/(x-1)/(x-7)/(x^2-14*x+1)$  lgdogf]  
A157089 4.55250 [  $\{-a(n+3)+15*a(n+2)-15*a(n+1)+a(n), a(0) = 3, a(1) = 27, a(2) =$   
 $363\}$ , ogf]  
A157089 8.32255 [  $-3*(x^2-6*x+1)/(x-1)/(x^2-14*x+1)$  ogf]  
A157092 12.3176 [  $4*x*(x-9)/(x-1)/(x^2-18*x+1)$  ogf]  
A157092 6.37116 [  $\{-a(n+3)+19*a(n+2)-19*a(n+1)+a(n), a(0) = 0, a(1) = 36, a(2) =$   
 $680\}$ , ogf]



A157092 8.21171  $[-(2*x^3-46*x^2+342*x-170)/(x^4-28*x^3+190*x^2-172*x+9) \text{ lgdogf}]$   
A157092 8.38965  $-2*(-85+171*x+x^3-23*x^2)/(-1+x)/(x-9)/(x^2-18*x+1) \text{ lgdogf}$   
A157093 4.33662  $[{-a(n+3)+19*a(n+2)-19*a(n+1)+a(n), a(0) = 4, a(1) = 44, a(2) = 764}, \text{ ogf}]$   
A157093 7.92788  $[-4*(x^2-8*x+1)/(x-1)/(x^2-18*x+1) \text{ ogf}]$   
A157093 8.27156  $-(11-36*x-16*x^3+x^4+136*x^2)/(x-1)/(x^2-8*x+1)/(x^2-18*x+1) \text{ lgdogf}$   
A157096 11.6578  $[5*x*(x-11)/(x-1)/(x^2-22*x+1) \text{ ogf}]$   
A157096 5.97838  $[{-a(n+3)+23*a(n+2)-23*a(n+1)+a(n), a(0) = 0, a(1) = 55, a(2) = 1260}, \text{ ogf}]$   
A157096 7.68648  $[-(2*x^3-56*x^2+506*x-252)/(x^4-34*x^3+276*x^2-254*x+11) \text{ lgdogf}]$   
A157096 8.80116  $-2*(-126+253*x+x^3-28*x^2)/(x-11)/(x-1)/(x^2-22*x+1) \text{ lgdogf}$   
A157100 13.9715  $-1/2+1/2*x^2+1/2*(x-1)*(x^3+x^2-5*x-1))^{(1/2)} \text{ revogf}$   
A157100 9.10933  $[1/2*x^2-1/2+1/2*(x^4-6*x^2+4*x+1))^{(1/2)} \text{ revogf}]$   
A157105 10.5150  $[-(378*x+2984)/(378*x^2+925*x-1303) \text{ lgdogf}]$   
A157105 11.6833  $[82*(378*x+1303)/(x-1)^2 \text{ ogf}]$   
A157105 13.4353  $-(-53423-x+41*(1697809+82*x))^{(1/2)}/(-30996+x) \text{ revogf}$   
A157105 18.1772  $-2*(1492+189*x)/(378*x+1303)/(x-1) \text{ lgdogf}$   
A157105 6.85761  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 106846, a(1) = 244688}, \text{ ogf}]$   
A157106 4.65246  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3395619, a(1) = 17808513, a(2) = 43524451}, \text{ ogf}]$   
A157106 7.87340  $[-(285769*x^2+7621656*x+3395619)/(x-1)^3 \text{ ogf}]$   
A157106 8.48087  $-(17808513+15814850*x+285769*x^2)/(-1+x)/(285769*x^2+7621656*x+3395619) \text{ lgdogf}$   
A157110 10.7565  $[-(1010*x^2+2267*x+85)/(x-1)^3 \text{ ogf}]$   
A157110 14.0726  $-2*(1261+3277*x+505*x^2)/(x-1)/(1010*x^2+2267*x+85) \text{ lgdogf}$   
A157110 6.14655  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 85, a(1) = 2522, a(2) = 8321}, \text{ ogf}]$   
A157110 8.81253  $[-(1010*x^2+6554*x+2522)/(1010*x^3+1257*x^2-2182*x-85) \text{ lgdogf}]$   
A157111 10.7891  $[-(-1303*x-2059)/(-1303*x^2+925*x+378) \text{ lgdogf}]$   
A157111 12.1877  $[82*(1303*x+378)/(x-1)^2 \text{ ogf}]$   
A157111 7.23226  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 30996, a(1) = 168838}, \text{ ogf}]$   
A157112 4.98833  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 285769, a(1) = 8478963, a(2) = 27975201}, \text{ ogf}]$   
A157112 6.11776  $[-(3395619*x^2+22034550*x+8478963)/(3395619*x^3+4226037*x^2-7335887*x-285769) \text{ lgdogf}]$   
A157112 8.31388  $[-(3395619*x^2+7621656*x+285769)/(x-1)^3 \text{ ogf}]$   
A157116 11.0180  $[(14*x+27)*(27*x+14)/(x+1)/(x-1)^2 \text{ ogf}]$   
A157116 11.4900  $-((1303+2815*x+2228*x^2+378*x^3)/(x-1)/(14*x+27)/(27*x+14)/(x+1) \text{ lgdogf})$   
A157116 6.15171  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 378, a(1) = 1303, a(2) = 2059}, \text{ ogf}]$   
A157116 8.11214  $[-(-378*x^3-2228*x^2-2815*x-1303)/(-378*x^4-925*x^3+925*x+378) \text{ lgdogf}]$   
A157119 6.43470  $[x*(48*x^5+7*x^4+48*x^3-204*x^2-21*x-84)/(x-1)/(x^6-6*x^3+1) \text{ ogf}]$   
A157120 7.88630  $[-(x-1)*(73*x^4+176*x^3+381*x^2+176*x+73)/(x^6-6*x^3+1) \text{ ogf}]$   
A157126 7.79805  $-((-2-6*x-6*x^5+7*x^4+16*x^3+10*x^6+4*x^7-3*x^8+x^{10}-9*x^2)/(x+1)/(x^4-x^3+3*x-1)/(x^6+4*x^3+1) \text{ lgdogf})$   
A157126 9.34882  $[-(x+1)*(x^4-x^3+3*x-1)/(x^6+4*x^3+1) \text{ ogf}]$   
A157128 7.65860  $[-(x^5-x^3+x^2+x-1)/(x+1)^2/(x^2-x+1)^2 \text{ ogf}]$   
A157128 9.65161  $-((-1-2*x-3*x^5+x^7-x^4+5*x^3-3*x^2)/(x+1)/(x^2-x+1)/(x^5-x^3+x^2+x-1) \text{ lgdogf})$   
A157142 16.2418  $[-(x-1)/(x+1)^2 \text{ ogf}]$   
A157142 16.6109  $[-(x+3)/(-x^2+1) \text{ lgdogf}]$   
A157142 25.2239  $-1/2*(-1+2*x+(1-8*x))^{(1/2)}/(1+x) \text{ revogf}$   
A157142 34.6547  $[[-3+2*x] \text{ ogf\_with\_Euler\_transform}]$   
A157142 46.2439  $-(x-3)/(x-1)/(x+1) \text{ lgdogf}$   
A157142 8.91316  $[{a(n+2)+2*a(n+1)+a(n), a(0) = 1, a(1) = -3}, \text{ ogf}]$   
A157144 4.08191  $[-(x^{11}+3*x^8+x^6+9*x^5-2*x^4+3*x^2+2*x-1)/(x^{12}+3*x^9+8*x^6+3*x^3+1) \text{ ogf}]$

A157176 10.6653 [  $-(8*x^5+5*x^4+3*x^3+2*x^2+2*x+1)/(2*x^2-1)/(4*x^4+2*x^2+1)$  ogf]  
A157176 5.91879  $-(2+4*x$   
 $+48*x^5+40*x^4+20*x^3+80*x^6+64*x^7+72*x^8+64*x^10+9*x^2+80*x^9)/(2*x^2-1)/$   
 $(4*x^4+2*x^2+1)/(8*x^5+5*x^4+3*x^3+2*x^2+2*x+1)$  lgdogf  
A157194 10.6922 [  $(-2*x^2-82*x-43)/(-2*x^3-43*x^2-39*x+41)$  lgdogf]  
A157194 16.0383 [  $-(2*x+41)/(x^2+x-1)$  ogf]  
A157194 17.6531  $1/2/(x+2)*(-41-x+(1681+90*x+5*x^2)^(1/2))$  revogf  
A157194 20.6794  $-(43+82*x+2*x^2)/(2*x+41)/(x^2+x-1)$  lgdogf  
A157194 8.78290 [  $\{-a(n+2)+a(n+1)+a(n), a(0) = 41, a(1) = 43\}$ , ogf]  
A157213 7.51167 [  $-(x-1)*(97*x^4+234*x^3+511*x^2+234*x+97)/(x^6-6*x^3+1)$  ogf]  
A157240 10.2036 [  $-(8*x^2-7*x+2)/(x-1)/(4*x^2-2*x+1)$  ogf]  
A157240 10.3099  $(-1-8*x+42*x^2-56*x^3+32*x^4)/(x-1)/(4*x^2-2*x+1)/(8*x^2-7*x+2)$   
lgdogf  
A157240 5.55732 [  $\{-a(n+3)+3*a(n+2)-6*a(n+1)+4*a(n), a(0) = 2, a(1) = -1, a(2) =$   
 $-7\}$ , ogf]  
A157241 14.0196 [  $-x/(x-1)/(4*x^2-2*x+1)$  ogf]  
A157241 19.1318  $-3*(2*x-1)^2/(x-1)/(4*x^2-2*x+1)$  lgdogf  
A157241 5.17841 [  $\{a(n+3)-3*a(n+2)+6*a(n+1)-4*a(n), a(0) = 0, a(1) = 1, a(2) =$   
 $3\}$ , ogf]  
A157241 8.70914 [  $-(12*x^2-12*x+3)/(4*x^3-6*x^2+3*x-1)$  lgdogf]  
A157246 4.26007 [  $-$   
 $(x-1)*(245*x^12+510*x^11+797*x^10+1140*x^9+1567*x^8+2060*x^7+2697*x^6+2060*x^5+1$   
 $567*x^4+1140*x^3+797*x^2+510*x+245)/(x^14-6*x^7+1)$  ogf]  
A157257 8.17053 [  $-(x-1)*(29*x^4+70*x^3+155*x^2+70*x+29)/(x^6-6*x^3+1)$  ogf]  
A157262 10.1207 [  $-(21*x^2+140*x+55)/(21*x^3+28*x^2-47*x-2)$  lgdogf]  
A157262 11.4059 [  $-(21*x^2+49*x+2)/(x-1)^3$  ogf]  
A157262 17.6032  $-(55+140*x+21*x^2)/(x-1)/(21*x^2+49*x+2)$  lgdogf  
A157262 6.24846 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 55, a(2) =$   
 $180\}$ , ogf]  
A157263 13.8189 [  $(-55*x-89)/(-55*x^2+38*x+17)$  lgdogf]  
A157263 14.6480 [  $24*(55*x+17)/(x-1)^2$  ogf]  
A157263 18.4149  $(-204-x+12*(289+12*x)^(1/2))/(-1320+x)$  revogf  
A157263 27.6223  $-(89+55*x)/(55*x+17)/(x-1)$  lgdogf  
A157263 8.41841 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 408, a(1) = 2136\}$ , ogf]  
A157264 11.5844  $-(15841+40318*x+6049*x^2)/(x-1)/(6049*x^2+14110*x+577)$  lgdogf  
A157264 5.23433 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 577, a(1) = 15841, a(2) =$   
 $51841\}$ , ogf]  
A157264 7.34009 [  $(-6049*x^2+40318*x+15841)/(6049*x^3+8061*x^2-13533*x-577)$   
lgdogf]  
A157264 9.12269 [  $(-6049*x^2+14110*x+577)/(x-1)^3$  ogf]  
A157265 10.7078 [  $(-2*x^2+102*x+112)/(2*x^3+47*x^2-28*x-21)$  lgdogf]  
A157265 12.0676 [  $-(2*x^2+49*x+21)/(x-1)^3$  ogf]  
A157265 19.6238  $-2*(56+51*x+x^2)/(x-1)/(2*x^2+49*x+21)$  lgdogf  
A157265 6.49791 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 21, a(1) = 112, a(2) =$   
 $275\}$ , ogf]  
A157266 13.1259 [  $(-17*x+127)/(17*x^2+38*x-55)$  lgdogf]  
A157266 14.1760 [  $24*(17*x+55)/(x-1)^2$  ogf]  
A157266 17.8126  $(-660-x+12*(3025+12*x)^(1/2))/(-408+x)$  revogf  
A157266 25.7294  $-(127+17*x)/(17*x+55)/(x-1)$  lgdogf  
A157266 8.05452 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 1320, a(1) = 3048\}$ , ogf]  
A157267 11.8644  $-(32257+29374*x+577*x^2)/(x-1)/(577*x^2+14110*x+6049)$  lgdogf  
A157267 5.21826 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 6049, a(1) = 32257, a(2) =$   
 $79201\}$ , ogf]  
A157267 7.46333 [  $(-577*x^2+29374*x+32257)/(577*x^3+13533*x^2-8061*x-6049)$   
lgdogf]  
A157267 9.16923 [  $(-577*x^2+14110*x+6049)/(x-1)^3$  ogf]  
A157286 13.8228 [  $-(37*x+35)/(x-1)^3$  ogf]  
A157286 14.3445 [  $(-74*x+142)/(37*x^2-2*x-35)$  lgdogf]  
A157286 26.6324  $-2*(71+37*x)/(37*x+35)/(x-1)$  lgdogf  
A157286 6.49791 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 35, a(1) = 142, a(2) =$

321}, ogf]  
A157287 13.6986  $[-(x+143)/(x^2+70x-71) \text{ lgdogf}]$   
A157287 14.5372  $[24*(x+71)/(x-1)^2 \text{ ogf}]$   
A157287 8.09460  $[-a(n+2)+2*a(n+1)-a(n), a(0) = 1704, a(1) = 3432], \text{ ogf}]$   
A157288 13.8115  $-(40897+21310*x+x^2)/(x-1)/(x^2+10654*x+10081) \text{ lgdogf}$   
A157288 5.22873  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 10081, a(1) = 40897, a(2) = 92449}, \text{ ogf}]$   
A157288 7.90685  $[-(x^2+21310*x+40897)/(x^3+10653*x^2-573*x-10081) \text{ lgdogf}]$   
A157288 9.39655  $[-(x^2+10654*x+10081)/(x-1)^3 \text{ ogf}]$   
A157297 7.60358  $[-(x-1)*(185*x^4+418*x^3+735*x^2+418*x+185)/(x^6-6*x^3+1) \text{ ogf}]$   
A157319 11.2461  $[-x*(x^6-x^5+x^4-x^3+2*x^2-3)/(x-1)^2 \text{ ogf}]$   
A157319 13.0160  $(6-4*x-9*x^5+4*x^6+7*x^4+3*x^2-5*x^3)/(x-1)/(x^6-x^5+x^4-x^3+2*x^2-3) \text{ lgdogf}$   
A157324 13.8228  $[-(35*x+37)/(x-1)^3 \text{ ogf}]$   
A157324 14.3445  $[-(70*x+146)/(35*x^2+2*x-37) \text{ lgdogf}]$   
A157324 26.6324  $-2*(73+35*x)/(35*x+37)/(x-1) \text{ lgdogf}$   
A157324 6.49791  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 37, a(1) = 146, a(2) = 327}, \text{ ogf}]$   
A157325 13.6986  $[-(-x+145)/(-x^2+74*x-73) \text{ lgdogf}]$   
A157325 14.5372  $[-24*(x-73)/(x-1)^2 \text{ ogf}]$   
A157325 18.8708  $-(-876-x+12*(5329+12*x)^(1/2))/(24+x) \text{ revogf}$   
A157325 31.7372  $-(-145+x)/(x-1)/(x-73) \text{ lgdogf}$   
A157325 8.09460  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 1752, a(1) = 3480}, \text{ ogf}]$   
A157326 13.8115  $-(42049+20158*x+x^2)/(x-1)/(x^2+10078*x+10657) \text{ lgdogf}$   
A157326 5.22873  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 10657, a(1) = 42049, a(2) = 94177}, \text{ ogf}]$   
A157326 7.90685  $[-(x^2+20158*x+42049)/(x^3+10077*x^2+579*x-10657) \text{ lgdogf}]$   
A157326 9.39655  $[-(x^2+10078*x+10657)/(x-1)^3 \text{ ogf}]$   
A157327 4.64118  $[-(x+1)*(12*x^2+2*x+1)*(36*x^4+12*x^3-9*x^2+3*x-2)/(9*x^2+1)^2/(4*x^2+1)^2 \text{ ogf}]$   
A157328 3.35656  $[{(32*n+48)*a(n+1)+(14*n+18)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 12}, \text{ ogf}]$   
A157328 7.22593  $[-(16*x-1+3*(-16*x+1)^(1/2))/(32*x^2+14*x-1) \text{ lgdogf}]$   
A157330 16.4696  $[-(x+15)/(x^2+6*x-7) \text{ lgdogf}]$   
A157330 17.5437  $[8*(x+7)/(x-1)^2 \text{ ogf}]$   
A157330 24.7433  $-(-28-x+4*(49+4*x)^(1/2))/(-8+x) \text{ revogf}$   
A157330 41.6729  $-(15+x)/(x+7)/(x-1) \text{ lgdogf}$   
A157330 9.49426  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 56, a(1) = 120}, \text{ ogf}]$   
A157331 11.1301  $[-(x^2+158*x+97)/(x-1)^3 \text{ ogf}]$   
A157331 18.8708  $-(449+318*x+x^2)/(x-1)/(x^2+158*x+97) \text{ lgdogf}$   
A157331 6.03665  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 97, a(1) = 449, a(2) = 1057}, \text{ ogf}]$   
A157331 9.89340  $[-(x^2+318*x+449)/(x^3+157*x^2-61*x-97) \text{ lgdogf}]$   
A157335 10.7949  $[-(-3*x^2+12*x+6)/(-x^3+6*x^2+6*x-1) \text{ lgdogf}]$   
A157335 16.8850  $-3*(-2-4*x+x^2)/(x+1)/(x^2-7*x+1) \text{ lgdogf}$   
A157335 18.9639  $[1/(x+1)/(x^2-7*x+1) \text{ ogf}]$   
A157335 6.20943  $[{a(n+3)-6*a(n+2)-6*a(n+1)+a(n), a(0) = 1, a(1) = 6, a(2) = 42}, \text{ ogf}]$   
A157336 16.6163  $[-(-x+17)/(-x^2+10*x-9) \text{ lgdogf}]$   
A157336 18.0612  $[-8*(x-9)/(x-1)^2 \text{ ogf}]$   
A157336 9.77429  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 72, a(1) = 136}, \text{ ogf}]$   
A157337 11.2403  $[-(x^2+94*x+161)/(x-1)^3 \text{ ogf}]$   
A157337 19.0614  $-(577+190*x+x^2)/(x-1)/(x^2+94*x+161) \text{ lgdogf}$   
A157337 6.04518  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 161, a(1) = 577, a(2) = 1249}, \text{ ogf}]$   
A157337 9.99135  $[-(x^2+190*x+577)/(x^3+93*x^2+67*x-161) \text{ lgdogf}]$   
A157348 7.23768  $[-(x-1)*(229*x^4+510*x^3+875*x^2+510*x+229)/(x^6-6*x^3+1) \text{ ogf}]$   
A157362 13.5245  $[-(51*x+47)/(x-1)^3 \text{ ogf}]$   
A157362 13.7750  $[-(102*x+192)/(51*x^2-4*x-47) \text{ lgdogf}]$   
A157362 26.0502  $-6*(32+17*x)/(51*x+47)/(x-1) \text{ lgdogf}$   
A157362 6.35769  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 47, a(1) = 192, a(2) =$

435}, ogf]

A157363 14.3341  $[-(x+97)/(x^2+47x-48) \text{ lgdogf}]$

A157363 15.2300  $[14*(x+48)/(x-1)^2 \text{ ogf}]$

A157363 19.3704  $-(-336-x+7*(2304+14*x)^{(1/2)})/(-14+x) \text{ revogf}$

A157363 35.8352  $-(97+x)/(x+48)/(x-1) \text{ lgdogf}$

A157363 8.40274  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 672, a(1) = 1358}, \text{ ogf}]$

A157364 15.0229  $-(18817+9994*x+x^2)/(x-1)/(x^2+4996*x+4607) \text{ lgdogf}$

A157364 5.35909  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 4607, a(1) = 18817, a(2) = 42631}, \text{ ogf}]$

A157364 8.34390  $[-(x^2+9994*x+18817)/(x^3+4995*x^2-389*x-4607) \text{ lgdogf}]$

A157364 9.83833  $[-(x^2+4996*x+4607)/(x-1)^3 \text{ ogf}]$

A157365 13.5245  $[-(47*x+51)/(x-1)^3 \text{ ogf}]$

A157365 14.0349  $[-(94*x+200)/(47*x^2+4*x-51) \text{ lgdogf}]$

A157365 25.1519  $-2*(100+47*x)/(47*x+51)/(x-1) \text{ lgdogf}$

A157365 6.35769  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 51, a(1) = 200, a(2) = 447}, \text{ ogf}]$

A157366 14.3341  $[-(-x+99)/(-x^2+51*x-50) \text{ lgdogf}]$

A157366 15.2300  $[-14*(x-50)/(x-1)^2 \text{ ogf}]$

A157366 19.9084  $-(-350-x+7*(2500+14*x)^{(1/2)})/(14+x) \text{ revogf}$

A157366 34.1288  $-(-99+x)/(x-1)/(x-50) \text{ lgdogf}$

A157366 8.40274  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 700, a(1) = 1386}, \text{ ogf}]$

A157367 15.0229  $-(19601+9210*x+x^2)/(x-1)/(x^2+4604*x+4999) \text{ lgdogf}$

A157367 5.35909  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 4999, a(1) = 19601, a(2) = 43807}, \text{ ogf}]$

A157367 8.34390  $[-(x^2+9210*x+19601)/(x^3+4603*x^2+395*x-4999) \text{ lgdogf}]$

A157367 9.83833  $[-(x^2+4604*x+4999)/(x-1)^3 \text{ ogf}]$

A157368 10.2733  $[-(31*x^2+192*x+71)/(31*x^3+34*x^2-63*x-2) \text{ lgdogf}]$

A157368 11.5779  $[-(31*x^2+65*x+2)/(x-1)^3 \text{ ogf}]$

A157368 17.8741  $-(71+192*x+31*x^2)/(x-1)/(31*x^2+65*x+2) \text{ lgdogf}$

A157368 6.34266  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 71, a(2) = 238}, \text{ ogf}]$

A157369 14.6163  $[-(-39*x-59)/(-39*x^2+29*x+10) \text{ lgdogf}]$

A157369 16.1389  $[7*(39*x+10)/(x-1)^2 \text{ ogf}]$

A157369 22.3503  $-(-35-x+7*(25+7*x)^{(1/2)})/(-273+x) \text{ revogf}$

A157369 29.2273  $-(59+39*x)/(39*x+10)/(x-1) \text{ lgdogf}$

A157369 9.11371  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 70, a(1) = 413}, \text{ ogf}]$

A157370 10.0524  $[-(16*x+33)*(95*x+3)/(x-1)^3 \text{ ogf}]$

A157370 13.6754  $-2*(1740+4703*x+760*x^2)/(16*x+33)/(x-1)/(95*x+3) \text{ lgdogf}$

A157370 5.69635  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 99, a(1) = 3480, a(2) = 11663}, \text{ ogf}]$

A157370 8.23569  $[-(1520*x^2+9406*x+3480)/(1520*x^3+1663*x^2-3084*x-99) \text{ lgdogf}]$

A157371 16.5835  $-2*(-4+15*x-6*x^2+55*x^3)/(x-1)/(55*x^3-59*x^2+37*x-9) \text{ lgdogf}$

A157371 4.01623  $[{(187*n^2+1089*n+1584)*a(n+1)+(-400*n^2-1736*n-1408)*a(n+2)+(213*n^2+543*n-288)*a(n+3), a(0) = 9, a(1) = 8, a(2) = 9}, \text{ ogf}]$

A157371 8.74646  $[ (55*x^3-59*x^2+37*x-9)/(x-1)^5 \text{ ogf}]$

A157371 8.84473  $[-(110*x^3-12*x^2+30*x-8)/(55*x^4-114*x^3+96*x^2-46*x+9) \text{ lgdogf}]$

A157373 10.4768  $[-(2*x^2+134*x+158)/(2*x^3+63*x^2-34*x-31) \text{ lgdogf}]$

A157373 11.8071  $[-(2*x^2+65*x+31)/(x-1)^3 \text{ ogf}]$

A157373 19.1949  $-2*(79+67*x+x^2)/(x-1)/(2*x^2+65*x+31) \text{ lgdogf}$

A157373 6.35769  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 31, a(1) = 158, a(2) = 383}, \text{ ogf}]$

A157374 14.6859  $[-(10*x+88)/(10*x^2+29*x-39) \text{ lgdogf}]$

A157374 16.2157  $[7*(10*x+39)/(x-1)^2 \text{ ogf}]$

A157374 17.7581  $-1/2*(-273-2*x+7*(1521+28*x)^{(1/2)})/(-70+x) \text{ revogf}$

A157374 28.2814  $-2*(44+5*x)/(10*x+39)/(x-1) \text{ lgdogf}$

A157374 9.05063  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 273, a(1) = 616}, \text{ ogf}]$

A157375 10.2505  $[-(3*x+95)*(33*x+16)/(x-1)^3 \text{ ogf}]$

A157375 14.2409  $-3*(2581+2188*x+33*x^2)/(3*x+95)/(x-1)/(33*x+16) \text{ lgdogf}$

A157375 5.71337  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1520, a(1) = 7743, a(2) = 18768}, \text{ ogf}]$

A157375 8.60532  $[-(99*x^2+6564*x+7743)/(99*x^3+3084*x^2-1663*x-1520) \text{ lgdogf}]$

A157376 11.8650  $-2*(6529+12015*x+1139*x^2)/(x-1)/(2278*x^2+9737*x+1107)$  lgdogf  
A157376 5.41268  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1107, a(1) = 13058, a(2) = 38131\}, ogf]$   
A157376 7.65241  $[ -(2278*x^2+24030*x+13058)/(2278*x^3+7459*x^2-8630*x-1107)$   
lgdogf]  
A157376 9.51086  $[ -(2278*x^2+9737*x+1107)/(x-1)^3 ogf]$   
A157377 10.5763  $[ -(-3866*x-9256)/(-3866*x^2+1171*x+2695) lgdogf]$   
A157377 11.8806  $-1/2*(-218295-2*x+81*(7263025+324*x)^(1/2))/(-313146+x) revogf$   
A157377 12.1147  $[ 81*(3866*x+2695)/(x-1)^2 ogf]$   
A157377 18.1509  $-2*(4628+1933*x)/(3866*x+2695)/(x-1) lgdogf$   
A157377 7.24248  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 218295, a(1) = 749736\}, ogf]$   
A157378 4.95535  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 7263026, a(1) = 85673537, a(2) = 250177490\}, ogf]$   
A157378 8.13656  $[ -(14945957*x^2+63884459*x+7263026)/(x-1)^3 ogf]$   
A157411 6.86781  $[ -(251*x^4+646*x^3-264*x^2+106*x-19)/(x-1)^5 ogf]$   
A157411 9.06987  $-(11-104*x+251*x^4+2296*x^3+1146*x^2)/(x-1)/$   
 $(251*x^4+646*x^3-264*x^2+106*x-19) lgdogf$   
A157418 11.6121  $1/2/(x^2+2+2*x)*(-2-x-2*x^2+((4*x+1)*(x+2)^2)^(1/2)) revogf$   
A157421 5.89775  $[ -(2*x^11+3*x^10-2*x^9+4*x^8+2*x^7+2*x^6+3*x^5+3*x^3+2*x^2+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^3 ogf]$   
A157431 11.6593  $[ -(333*x^2-735*x+410)/(x-1)^3 ogf]$   
A157431 15.9630  $-3*(165-268*x+111*x^2)/(x-1)/(333*x^2-735*x+410) lgdogf$   
A157431 6.62011  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 410, a(1) = 495, a(2) = 588\}, ogf]$   
A157431 9.76466  $[ -(-333*x^2+804*x-495)/(-333*x^3+1068*x^2-1145*x+410) lgdogf]$   
A157432 14.7662  $[ -(-73*x+89)/(-73*x^2+154*x-81) lgdogf]$   
A157432 16.2729  $[ -8*(73*x-81)/(x-1)^2 ogf]$   
A157432 21.7314  $-(-324-x+4*(6561+4*x)^(1/2))/(584+x) revogf$   
A157432 28.9752  $-(-89+73*x)/(x-1)/(73*x-81) lgdogf$   
A157432 9.27179  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 648, a(1) = 712\}, ogf]$   
A157433 12.2496  $- (15841-25730*x+10657*x^2)/(x-1)/(10657*x^2-23522*x+13121)$   
lgdogf  
A157433 5.84145  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 13121, a(1) = 15841, a(2) = 18817\}, ogf]$   
A157433 7.87326  $[ -(-10657*x^2+25730*x-15841)/(-10657*x^3+34179*x^2-36643*x+13121) lgdogf]$   
A157433 9.92247  $[ -(10657*x^2-23522*x+13121)/(x-1)^3 ogf]$   
A157434 11.7151  $[ -(390*x^2-855*x+473)/(x-1)^3 ogf]$   
A157434 16.7383  $-6*(94-155*x+65*x^2)/(x-1)/(390*x^2-855*x+473) lgdogf$   
A157434 6.65179  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 473, a(1) = 564, a(2) = 663\}, ogf]$   
A157434 9.81139  $[ -(-390*x^2+930*x-564)/(-390*x^3+1245*x^2-1328*x+473) lgdogf]$   
A157435 14.8359  $[ -(-79*x+95)/(-79*x^2+166*x-87) lgdogf]$   
A157435 16.3497  $[ -8*(79*x-87)/(x-1)^2 ogf]$   
A157435 21.8359  $-(-348-x+4*(7569+4*x)^(1/2))/(632+x) revogf$   
A157435 29.1145  $-(-95+79*x)/(x-1)/(79*x-87) lgdogf$   
A157435 9.31553  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 696, a(1) = 760\}, ogf]$   
A157436 12.2496  $- (18049-29762*x+12481*x^2)/(x-1)/(12481*x^2-27362*x+15137)$   
lgdogf  
A157436 5.84145  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 15137, a(1) = 18049, a(2) = 21217\}, ogf]$   
A157436 7.87326  $[ -(-12481*x^2+29762*x-18049)/(-12481*x^3+39843*x^2-42499*x+15137) lgdogf]$   
A157436 9.92247  $[ -(12481*x^2-27362*x+15137)/(x-1)^3 ogf]$   
A157440 11.3882  $[ -(86*x^2+153*x+3)/(x-1)^3 ogf]$   
A157440 16.6192  $-2*(81+239*x+43*x^2)/(x-1)/(86*x^2+153*x+3) lgdogf$   
A157440 6.28316  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 162, a(2) = 563\}, ogf]$   
A157440 9.98421  $[ -(86*x^2+478*x+162)/(86*x^3+67*x^2-150*x-3) lgdogf]$   
A157441 12.9516  $[ -(-102*x-140)/(-102*x^2+83*x+19) lgdogf]$   
A157441 14.5058  $[ 11*(102*x+19)/(x-1)^2 ogf]$

A157441 15.8016  $-1/2*(-209-2*x+11*(361+44*x)^{(1/2)})/(-1122+x)$  revogf  
A157441 24.5197  $-2*(70+51*x)/(102*x+19)/(x-1)$  lgdogf  
A157441 8.33668  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 209, a(1) = 1540}],$  ogf]  
A157442 11.2288  $-(19601+57840*x+10405*x^2)/(x-1)/(10405*x^2+18515*x+362)$  lgdogf  
A157442 5.26103  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 362, a(1) = 19601, a(2) = 68122}],$  ogf]  
A157442 7.21175  $[-(10405*x^2+57840*x+19601)/(10405*x^3+8110*x^2-18153*x-362)]$  lgdogf]  
A157442 9.04008  $[ -(10405*x^2+18515*x+362)/(x-1)^3$  ogf]  
A157443 10.2216  $[-(3*x^2+312*x+411)/(3*x^3+150*x^2-67*x-86)$  lgdogf]  
A157443 11.4993  $[ -(3*x^2+153*x+86)/(x-1)^3$  ogf]  
A157443 17.6033  $-3*(137+104*x+x^2)/(x-1)/(3*x^2+153*x+86)$  lgdogf  
A157443 6.29023  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 86, a(1) = 411, a(2) = 978}],$  ogf]  
A157444 13.3164  $[-(19*x+223)/(19*x^2+83*x-102)$  lgdogf]  
A157444 14.6480  $[ 11*(19*x+102)/(x-1)^2$  ogf]  
A157444 18.4149  $-(-561-x+11*(2601+11*x)^{(1/2)})/(-209+x)$  revogf  
A157444 25.6493  $-(223+19*x)/(19*x+102)/(x-1)$  lgdogf  
A157444 8.32275  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 1122, a(1) = 2453}],$  ogf]  
A157445 11.4615  $-2*(24865+18877*x+181*x^2)/(x-1)/(362*x^2+18515*x+10405)$  lgdogf  
A157445 5.23902  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 10405, a(1) = 49730, a(2) = 118337}],$  ogf]  
A157445 7.52733  $[-(362*x^2+37754*x+49730)/(362*x^3+18153*x^2-8110*x-10405)]$  lgdogf]  
A157445 9.22363  $[ -(362*x^2+18515*x+10405)/(x-1)^3$  ogf]  
A157446 14.0177  $[ -(17*x+15)/(x-1)^3$  ogf]  
A157446 14.8265  $[-(34*x+62)/(17*x^2-2*x-15)$  lgdogf]  
A157446 27.0079  $-2*(31+17*x)/(17*x+15)/(x-1)$  lgdogf  
A157446 6.64634  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 15, a(1) = 62, a(2) = 141}],$  ogf]  
A157447 14.5145  $[-(x+63)/(x^2+30*x-31)$  lgdogf]  
A157447 15.4216  $[ 16*(x+31)/(x-1)^2$  ogf]  
A157447 20.7370  $-(-248-x+8*(961+8*x)^{(1/2)})/(-16+x)$  revogf  
A157447 36.2897  $-(63+x)/(x+31)/(x-1)$  lgdogf  
A157447 8.50849  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 496, a(1) = 1008}],$  ogf]  
A157448 10.7620  $[ -(x^2+2174*x+1921)/(x-1)^3$  ogf]  
A157448 16.8440  $-(7937+4350*x+x^2)/(x-1)/(x^2+2174*x+1921)$  lgdogf  
A157448 5.91028  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1921, a(1) = 7937, a(2) = 18049}],$  ogf]  
A157448 9.24428  $[-(x^2+4350*x+7937)/(x^3+2173*x^2-253*x-1921)$  lgdogf]  
A157456 10.4154  $[ -(-x^2+2*x-15)/(-x^3+17*x^2-17*x+1)$  lgdogf]  
A157456 15.1703  $[ -(x-1)/(x^2-16*x+1)$  ogf]  
A157456 8.30752  $[{a(n+2)-16*a(n+1)+a(n), a(0) = 1, a(1) = 15}],$  ogf]  
A157459 12.7203  $[ -72*x/(x-1)/(x^2-322*x+1)$  ogf]  
A157459 5.30011  $[{a(n+3)-323*a(n+2)+323*a(n+1)-a(n), a(0) = 0, a(1) = 72, a(2) = 23256}],$  ogf]  
A157459 8.83351  $[-(3*x^2-646*x+323)/(x^3-323*x^2+323*x-1)$  lgdogf]  
A157460 11.3884  $[ -88*x/(x-1)/(x^2-482*x+1)$  ogf]  
A157460 4.74516  $[{a(n+3)-483*a(n+2)+483*a(n+1)-a(n), a(0) = 0, a(1) = 88, a(2) = 42504}],$  ogf]  
A157460 7.90860  $[-(3*x^2-966*x+483)/(x^3-483*x^2+483*x-1)$  lgdogf]  
A157461 13.6117  $[ (x+1)/(x^2-26*x+1)$  ogf]  
A157461 7.45404  $[{-a(n+2)+26*a(n+1)-a(n), a(0) = 1, a(1) = 27}],$  ogf]  
A157461 9.34536  $[-(x^2+2*x-27)/(x^3-25*x^2-25*x+1)$  lgdogf]  
A157462 11.3214  $-15*(1+120*x+900*x^2)/(30*x+1)/(30*x-1)/(15*x+1)$  lgdogf  
A157462 12.6027  $[ -(15*x+1)/(30*x-1)/(30*x+1)$  ogf]  
A157462 12.9388  $1/30*(-1+(1+60*x+3600*x^2)^{(1/2)})/(1+60*x)$  revogf  
A157462 7.01922  $[ -(-13500*x^2-1800*x-15)/(-13500*x^3-900*x^2+15*x+1)$  lgdogf]  
A157462 8.27639  $[{-a(n+2)+900*a(n), a(0) = 1, a(1) = 15}],$  ogf]  
A157469 7.94888  $[ -(x-1)*(85*x^4+182*x^3+295*x^2+182*x+85)/(x^6-6*x^3+1)$  ogf]  
A157474 14.0848  $[ -(15*x+17)/(x-1)^3$  ogf]

A157474 14.8974  $[-(30*x+66)/(15*x^2+2*x-17) \text{ lgdogf}]$   
A157474 28.1448  $-6*(11+5*x)/(15*x+17)/(x-1) \text{ lgdogf}$   
A157474 6.67815  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 17, a(1) = 66, a(2) = 147}], \text{ ogf}]$   
A157475 14.5145  $[-(x+65)/(-x^2+34*x-33) \text{ lgdogf}]$   
A157475 15.4216  $[-16*(x-33)/(x-1)^2 \text{ ogf}]$   
A157475 20.7370  $-(-264-x+8*(1089+8*x)^(1/2))/(16+x) \text{ revogf}$   
A157475 34.5617  $-(-65+x)/(x-1)/(x-33) \text{ lgdogf}$   
A157475 8.50849  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 528, a(1) = 1040}], \text{ ogf}]$   
A157476 10.8128  $[-(x^2+1918*x+2177)/(x-1)^3 \text{ ogf}]$   
A157476 16.9250  $-(8449+3838*x+x^2)/(x-1)/(x^2+1918*x+2177) \text{ lgdogf}$   
A157476 5.93816  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2177, a(1) = 8449, a(2) = 18817}], \text{ ogf}]$   
A157476 9.28790  $[-(x^2+3838*x+8449)/(x^3+1917*x^2+259*x-2177) \text{ lgdogf}]$   
A157505 13.6307  $[-(x+163)/(-x^2+83*x-82) \text{ lgdogf}]$   
A157505 14.4653  $[-18*(x-82)/(x-1)^2 \text{ ogf}]$   
A157505 19.2970  $-(-738-x+9*(6724+18*x)^(1/2))/(18+x) \text{ revogf}$   
A157505 31.5770  $-(-163+x)/(x-1)/(x-82) \text{ lgdogf}$   
A157505 8.05452  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 1476, a(1) = 2934}], \text{ ogf}]$   
A157506 13.9532  $-(53137+25594*x+x^2)/(x-1)/(x^2+12796*x+13447) \text{ lgdogf}$   
A157506 5.23902  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 13447, a(1) = 53137, a(2) = 119071}], \text{ ogf}]$   
A157506 7.98632  $[-(x^2+25594*x+53137)/(x^3+12795*x^2+651*x-13447) \text{ lgdogf}]$   
A157506 9.49099  $[-(x^2+12796*x+13447)/(x-1)^3 \text{ ogf}]$   
A157507 13.3568  $[-(83*x+79)/(x-1)^3 \text{ ogf}]$   
A157507 13.6041  $[-(166*x+320)/(83*x^2-4*x-79) \text{ lgdogf}]$   
A157507 24.8375  $-2*(160+83*x)/(83*x+79)/(x-1) \text{ lgdogf}$   
A157507 6.27882  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 79, a(1) = 320, a(2) = 723}], \text{ ogf}]$   
A157508 13.6307  $[-(x+161)/(x^2+79*x-80) \text{ lgdogf}]$   
A157508 14.4653  $[18*(x+80)/(x-1)^2 \text{ ogf}]$   
A157508 18.7755  $-(-720-x+9*(6400+18*x)^(1/2))/(-18+x) \text{ revogf}$   
A157508 33.0806  $-(161+x)/(x+80)/(x-1) \text{ lgdogf}$   
A157508 8.05452  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 1440, a(1) = 2898}], \text{ ogf}]$   
A157509 13.9532  $-(51841+26890*x+x^2)/(x-1)/(x^2+13444*x+12799) \text{ lgdogf}$   
A157509 5.23902  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 12799, a(1) = 51841, a(2) = 117127}], \text{ ogf}]$   
A157509 7.98632  $[-(x^2+26890*x+51841)/(x^3+13443*x^2-645*x-12799) \text{ lgdogf}]$   
A157509 9.49099  $[-(x^2+13444*x+12799)/(x-1)^3 \text{ ogf}]$   
A157510 13.9479  $[-(x+101)/(-x^2+52*x-51) \text{ lgdogf}]$   
A157510 14.8019  $[-20*(x-51)/(x-1)^2 \text{ ogf}]$   
A157510 19.2181  $-(-510-x+10*(2601+10*x)^(1/2))/(20+x) \text{ revogf}$   
A157510 32.3214  $-(-101+x)/(x-1)/(x-51) \text{ lgdogf}$   
A157510 8.24194  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 1020, a(1) = 2020}], \text{ ogf}]$   
A157511 15.0229  $-(20401+9598*x+x^2)/(x-1)/(x^2+4798*x+5201) \text{ lgdogf}$   
A157511 5.35909  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 5201, a(1) = 20401, a(2) = 45601}], \text{ ogf}]$   
A157511 8.34390  $[-(x^2+9598*x+20401)/(x^3+4797*x^2+403*x-5201) \text{ lgdogf}]$   
A157511 9.83833  $[-(x^2+4798*x+5201)/(x-1)^3 \text{ ogf}]$   
A157514 13.4260  $[-2*(13*x+12)/(x-1)^3 \text{ ogf}]$   
A157514 14.2006  $[-(26*x+49)/(13*x^2-x-12) \text{ lgdogf}]$   
A157514 27.8416  $-(49+26*x)/(13*x+12)/(x-1) \text{ lgdogf}$   
A157514 6.36578  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 24, a(1) = 98, a(2) = 222}], \text{ ogf}]$   
A157515 14.0820  $[-(x+99)/(x^2+48*x-49) \text{ lgdogf}]$   
A157515 14.9621  $[20*(x+49)/(x-1)^2 \text{ ogf}]$   
A157515 18.5252  $-(-490-x+10*(2401+10*x)^(1/2))/(-20+x) \text{ revogf}$   
A157515 35.1980  $-(99+x)/(x+49)/(x-1) \text{ lgdogf}$   
A157515 8.25495  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 980, a(1) = 1980}], \text{ ogf}]$   
A157516 14.6815  $-(19601+10398*x+x^2)/(x-1)/(x^2+5198*x+4801) \text{ lgdogf}$   
A157516 5.35909  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 4801, a(1) = 19601, a(2) = 45601}], \text{ ogf}]$

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= 44401}], ogf]
A157516 8.23960 [-(x^2+10398*x+19601)/(x^3+5197*x^2-397*x-4801) lgdogf]
A157516 9.83833 [ -(x^2+5198*x+4801)/(x-1)^3 ogf]
A157517 10.7691 [ (11*x^2+8*x-7)/(x-1)^3 ogf]
A157517 20.2415 [(-13+38*x+11*x^2)/(x-1)/(11*x^2+8*x-7) lgdogf]
A157517 5.90873 [{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 7, a(1) = 13, a(2) = 7}, ogf]
A157517 9.67662 [ -(-11*x^2-38*x+13)/(-11*x^3+3*x^2+15*x-7) lgdogf]
A157532 12.2069 [{a(n+2)-a(n+1), a(0) = 2, a(1) = 3}, ogf]
A157532 23.7540 [ -(x+2)/(x-1) ogf]
A157532 24.4139 [-3/(x^2+x-2) lgdogf]
A157532 32.4226 [-1/2*x-1+1/2*(4+8*x+x^2)^(1/2) revogf]
A157532 69.4770 [-3/(x+2)/(x-1) lgdogf]
A157534 4.85550 [ -(16*x^6+54*x^5-45*x^4+15*x^2-6*x+1)/(x-1)^9 ogf]
A157534 7.84595 [-3*(1-6*x+104*x^5+15*x^4-60*x^3+16*x^6+35*x^2)/(x-1)/(16*x^6+54*x^5-45*x^4+15*x^2-6*x+1) lgdogf]
A157606 6.73130 [ (2*x^9-3*x^8+x^7-4*x^5-x^4-2*x^3-3*x^2-x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3 ogf]
A157609 13.3218 [-(x+241)/(x^2+119*x-120) lgdogf]
A157609 14.6812 [ 22*(x+120)/(x-1)^2 ogf]
A157609 17.6318 [(-1320-x+11*(14400+22*x)^(1/2))/(-22+x) revogf]
A157609 32.0578 [-(241+x)/(x+120)/(x-1) lgdogf]
A157609 8.17474 [{-a(n+2)+2*a(n+1)-a(n), a(0) = 2640, a(1) = 5302}, ogf]
A157610 13.6974 [-(116161+59530*x+x^2)/(x-1)/(x^2+29764*x+28799) lgdogf]
A157610 5.21152 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 28799, a(1) = 116161, a(2) = 262087}, ogf]
A157610 7.91147 [-(x^2+59530*x+116161)/(x^3+29763*x^2-965*x-28799) lgdogf]
A157610 9.51670 [ -(x^2+29764*x+28799)/(x-1)^3 ogf]
A157613 13.3218 [ -(-x+243)/(-x^2+123*x-122) lgdogf]
A157613 14.6812 [ -22*(x-122)/(x-1)^2 ogf]
A157613 18.0839 [(-1342-x+11*(14884+22*x)^(1/2))/(22+x) revogf]
A157613 30.6640 [-(243+x)/(x-1)/(x-122) lgdogf]
A157613 8.17474 [{-a(n+2)+2*a(n+1)-a(n), a(0) = 2684, a(1) = 5346}, ogf]
A157614 13.6974 [-(118097+57594*x+x^2)/(x-1)/(x^2+28796*x+29767) lgdogf]
A157614 5.21152 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 29767, a(1) = 118097, a(2) = 264991}, ogf]
A157614 7.91147 [-(x^2+57594*x+118097)/(x^3+28795*x^2+971*x-29767) lgdogf]
A157614 9.51670 [ -(x^2+28796*x+29767)/(x-1)^3 ogf]
A157618 10.9223 [ -(314*x^2+883*x+53)/(x-1)^3 ogf]
A157618 14.7294 [-2*(521+1197*x+157*x^2)/(x-1)/(314*x^2+883*x+53) lgdogf]
A157618 6.05776 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 53, a(1) = 1042, a(2) = 3281}, ogf]
A157618 9.12499 [-(314*x^2+2394*x+1042)/(314*x^3+569*x^2-830*x-53) lgdogf]
A157619 12.2561 [ -(-443*x-807)/(-443*x^2+261*x+182) lgdogf]
A157619 13.6702 [ 50*(443*x+182)/(x-1)^2 ogf]
A157619 16.2150 [ -(-4550-x+25*(33124+50*x)^(1/2))/(-22150+x) revogf]
A157619 23.2415 [-(807+443*x)/(443*x+182)/(x-1) lgdogf]
A157619 7.98709 [{-a(n+2)+2*a(n+1)-a(n), a(0) = 9100, a(1) = 40350}, ogf]
A157620 4.95049 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 66249, a(1) = 1302499, a(2) = 4101249}, ogf]
A157620 6.27389 [-(392499*x^2+2992502*x+1302499)/(392499*x^3+711253*x^2-1037503*x-66249) lgdogf]
A157620 8.33767 [ -(392499*x^2+1103752*x+66249)/(x-1)^3 ogf]
A157620 9.41362 [-(1302499+2992502*x+392499*x^2)/(x-1)/(392499*x^2+1103752*x+66249) lgdogf]
A157621 11.0273 [ -(53*x^2+883*x+314)/(x-1)^3 ogf]
A157621 15.5205 [-(1825+1872*x+53*x^2)/(x-1)/(53*x^2+883*x+314) lgdogf]
A157621 6.06504 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 314, a(1) = 1825, a(2) = 4586}, ogf]
A157621 9.33083 [-(53*x^2+1872*x+1825)/(53*x^3+830*x^2-569*x-314) lgdogf]
A157622 12.1060 [-(182*x+1068)/(182*x^2+261*x-443) lgdogf]

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A157622 13.7356 [  $50 \cdot (182x+443)/(x-1)^2$  ogf]  
A157622 15.9238  $-(-11075-x+25 \cdot (196249+50x)^{1/2})/(-9100+x)$  revogf  
A157622 22.6015  $-2 \cdot (534+91x)/(182x+443)/(x-1)$  lgdogf  
A157622 7.93613 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 22150, a(1) = 53400\}$ , ogf]  
A157623 4.98400 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 392499, a(1) = 2281249, a(2) = 5732499\}$ , ogf]  
A157623 6.42936  $[-(66249x^2+2340002x+2281249)/(66249x^3+1037503x^2-711253x-392499)]$  lgdogf  
A157623 8.45968 [  $-(66249x^2+1103752x+392499)/(x-1)^3$  ogf]  
A157623 9.70111  $-(2281249+2340002x+66249x^2)/(x-1)/(392499+1103752x+66249x^2)$  lgdogf  
A157626 10.2106 [  $-(57x^2+388x+155)/(57x^3+80x^2-131x-6)$  lgdogf]  
A157626 11.6464 [  $-(57x^2+137x+6)/(x-1)^3$  ogf]  
A157626 17.4057  $-(155+388x+57x^2)/(x-1)/(57x^2+137x+6)$  lgdogf  
A157626 6.42562 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 6, a(1) = 155, a(2) = 504\}$ , ogf]  
A157627 12.8901 [  $-(-151x-249)/(-151x^2+102x+49)$  lgdogf]  
A157627 14.4066 [  $40 \cdot (151x+49)/(x-1)^2$  ogf]  
A157627 18.0218  $-(-980-x+20 \cdot (2401+20x)^{1/2})/(-6040+x)$  revogf  
A157627 24.8577  $-(249+151x)/(151x+49)/(x-1)$  lgdogf  
A157627 8.34928 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 1960, a(1) = 9960\}$ , ogf]  
A157628 10.4876  $-(124001+310398x+45601x^2)/(x-1)/(45601x^2+109598x+4801)$  lgdogf  
A157628 5.13573 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 4801, a(1) = 124001, a(2) = 403201\}$ , ogf]  
A157628 6.82943 [  $-(45601x^2+310398x+124001)/(45601x^3+63997x^2-104797x-4801)$  lgdogf]  
A157628 8.79405 [  $-(45601x^2+109598x+4801)/(x-1)^3$  ogf]  
A157639 14.5176  $(-1+4x^5-5x^4-3x^2+2x^3-23x^{22}+22x^{23})/(x-1)/(x^{23}+x^5+x^3+1)$  lgdogf  
A157639 17.0913 [  $-(x^{23}+x^5+x^3+1)/(x-1)$  ogf]  
A157646 8.09159 [  $-(x-1) \cdot (25x^4+56x^3+97x^2+56x+25)/(x^6-6x^3+1)$  ogf]  
A157651 10.4519 [  $-(6x^2+286x+308)/(6x^3+131x^2-80x-57)$  lgdogf]  
A157651 11.7584 [  $-(6x^2+137x+57)/(x-1)^3$  ogf]  
A157651 17.1676  $-2 \cdot (154+143x+3x^2)/(x-1)/(6x^2+137x+57)$  lgdogf  
A157651 6.43196 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 57, a(1) = 308, a(2) = 759\}$ , ogf]  
A157652 13.2441 [  $-(49x+351)/(49x^2+102x-151)$  lgdogf]  
A157652 14.5425 [  $40 \cdot (49x+151)/(x-1)^2$  ogf]  
A157652 17.3287  $-(-3020-x+20 \cdot (22801+20x)^{1/2})/(-1960+x)$  revogf  
A157652 25.9931  $-(351+49x)/(49x+151)/(x-1)$  lgdogf  
A157652 8.33335 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 6040, a(1) = 14040\}$ , ogf]  
A157653 10.7731  $-(246401+228798x+4801x^2)/(x-1)/(4801x^2+109598x+45601)$  lgdogf  
A157653 5.14541 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 45601, a(1) = 246401, a(2) = 607201\}$ , ogf]  
A157653 6.97120 [  $-(4801x^2+228798x+246401)/(4801x^3+104797x^2-63997x-45601)$  lgdogf]  
A157653 8.88112 [  $-(4801x^2+109598x+45601)/(x-1)^3$  ogf]  
A157659 13.4382 [  $-(101x+99)/(x-1)^3$  ogf]  
A157659 13.6825 [  $-(202x+398)/(101x^2-2x-99)$  lgdogf]  
A157659 23.8131  $-2 \cdot (199+101x)/(101x+99)/(x-1)$  lgdogf  
A157659 6.43196 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 99, a(1) = 398, a(2) = 897\}$ , ogf]  
A157660 13.7346 [  $-(x+399)/(x^2+198x-199)$  lgdogf]  
A157660 15.1361 [  $40 \cdot (x+199)/(x-1)^2$  ogf]  
A157660 18.1951  $-(-3980-x+20 \cdot (39601+20x)^{1/2})/(-40+x)$  revogf  
A157660 33.0821  $-(399+x)/(x+199)/(x-1)$  lgdogf  
A157660 8.33335 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 7960, a(1) = 15960\}$ , ogf]  
A157661 13.2419  $-(318401+161598x+x^2)/(x-1)/(x^2+80798x+79201)$  lgdogf  
A157661 5.14541 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 79201, a(1) = 318401,$

$a(2) = 717601$ , ogf]  
A157661 7.62732  $[-(x^2+161598x+318401)/(x^3+80797x^2-1597x-79201)$  lgdogf]  
A157661 9.39597  $[-(x^2+80798x+79201)/(x-1)^3$  ogf]  
A157663 13.7346  $[-(-x+401)/(-x^2+202x-201)$  lgdogf]  
A157663 15.1361  $[-40*(x-201)/(x-1)^2$  ogf]  
A157663 18.6617  $-(-4020-x+20*(40401+20x)^{(1/2)})/(40+x)$  revogf  
A157663 31.6437  $-(-401+x)/(x-1)/(x-201)$  lgdogf  
A157663 8.33335  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 8040, a(1) = 16040}$ , ogf]  
A157664 13.2419  $-(321601+158398x+x^2)/(x-1)/(x^2+79198x+80801)$  lgdogf  
A157664 5.14541  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 80801, a(1) = 321601,$   
 $a(2) = 722401}$ , ogf]  
A157664 7.62732  $[-(x^2+158398x+321601)/(x^3+79197x^2+1603x-80801)$  lgdogf]  
A157664 9.39597  $[-(x^2+79198x+80801)/(x-1)^3$  ogf]  
A157665 10.8110  $[-(354x^2+1037x+67)/(x-1)^3$  ogf]  
A157665 14.4995  $-2*(619+1391x+177x^2)/(x-1)/(354x^2+1037x+67)$  lgdogf  
A157665 6.08689  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 67, a(1) = 1238, a(2) =$   
 $3867}$ , ogf]  
A157665 9.16886  $[-(354x^2+2782x+1238)/(354x^3+683x^2-970x-67)$  lgdogf]  
A157666 12.6702  $[-(-508x-950)/(-508x^2+287x+221)$  lgdogf]  
A157666 14.1322  $[27*(508x+221)/(x-1)^2$  ogf]  
A157666 14.4228  $-1/2*(-5967-2x+27*(48841+108x)^{(1/2)})/(-13716+x)$  revogf  
A157666 22.5356  $-2*(475+254x)/(508x+221)/(x-1)$  lgdogf  
A157666 8.25701  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 5967, a(1) = 25650}$ , ogf]  
A157667 4.89212  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 48842, a(1) = 902501,$   
 $a(2) = 2819042}$ , ogf]  
A157667 6.27575  $[-(258065x^2+2028080x+902501)/$   
 $(258065x^3+497910x^2-707133x-48842)$  lgdogf]  
A157667 8.28399  $[-(258065x^2+755975x+48842)/(x-1)^3$  ogf]  
A157667 9.51461  $-(902501+2028080x+258065x^2)/(x-1)/(258065x^2+755975x+48842)$   
lgdogf  
A157668 10.8628  $[-(67x^2+1037x+354)/(x-1)^3$  ogf]  
A157668 15.1903  $-(2099+2208x+67x^2)/(x-1)/(67x^2+1037x+354)$  lgdogf  
A157668 6.06504  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 354, a(1) = 2099, a(2) =$   
 $5302}$ , ogf]  
A157668 9.33083  $[-(67x^2+2208x+2099)/(67x^3+970x^2-683x-354)$  lgdogf]  
A157669 11.9907  $[-(221x+1237)/(221x^2+287x-508)$  lgdogf]  
A157669 13.6048  $[27*(221x+508)/(x-1)^2$  ogf]  
A157669 16.5201  $-(-6858-x+27*(64516+27x)^{(1/2)})/(-5967+x)$  revogf  
A157669 22.3821  $-(1237+221x)/(221x+508)/(x-1)$  lgdogf  
A157669 7.86056  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 13716, a(1) = 33399}$ , ogf]  
A157670 4.88816  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 258065, a(1) = 1530170,$   
 $a(2) = 3865157}$ , ogf]  
A157670 6.36941  $[-(48842x^2+1609634x+1530170)/$   
 $(48842x^3+707133x^2-497910x-258065)$  lgdogf]  
A157670 8.40763  $[-(48842x^2+755975x+258065)/(x-1)^3$  ogf]  
A157670 9.65950  $-2*(765085+804817x+24421x^2)/(x-1)/(258065+755975x+48842x^2)$   
lgdogf  
A157674 13.1481  $(4x^2+x*(4x^2+1)^{(1/2)+1})/(3x^2+1)/(4x^2+1)^{(3/2)}$  lgdogf  
A157681 10.4895  $[-(-2x^2-58x-31)/(-2x^3-31x^2-27x+29)$  lgdogf]  
A157681 15.7343  $[-(2x+29)/(x^2+x-1)$  ogf]  
A157681 17.7448  $1/2/(x+2)*(-29-x+(841+66x+5x^2)^{(1/2)})$  revogf  
A157681 20.2798  $-(31+58x+2x^2)/(2x+29)/(x^2+x-1)$  lgdogf  
A157681 8.61640  $[{-a(n+2)+a(n+1)+a(n), a(0) = 29, a(1) = 31}$ , ogf]  
A157706 5.98427  $[-(7x^2+26x+7)/(x-1)^7$  ogf]  
A157706 8.37797  $[-(35x^2+170x+75)/(7x^3+19x^2-19x-7)$  lgdogf]  
A157707 10.1815  $-5*(41+138x+4x^3+69x^2)/(x-1)/(5x+1)/(x^2+13x+16)$  lgdogf  
A157707 5.20847  $[-(5x+1)*(x^2+13x+16)/(x-1)^7$  ogf]  
A157708 4.53197  $[-(x^4+42x^3+171x^2+128x+18)/(x-1)^7$  ogf]  
A157708 7.41919  $- (254+1110x+3x^4+172x^3+981x^2)/(x-1)/$   
 $(x^4+42x^3+171x^2+128x+18)$  lgdogf  
A157713 4.18609  $[{(-16n^2-80n-84)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 10}$ ,

ogf]

A157713 9.71174 [hypergeom([1/2, 5/2],[2],16\*x), egf]

A157716 10.2259 [ -(-45\*x^3-23\*x^2-107\*x-17)/(-15\*x^4-2\*x^3+2\*x+15) lgdogf]

A157716 15.0256 -(17+107\*x+45\*x^3+23\*x^2)/(x-1)/(x+1)/(15\*x^2+2\*x+15) lgdogf

A157716 9.73305 [ -x\*(15\*x^2+2\*x+15)/(x+1)^2/(x-1)^3 ogf]

A157725 15.6951 [ -(x+1)\*(3\*x-2)/(x-1)/(x^2+x-1) ogf]

A157725 16.3397 -(3-6\*x+3\*x^4+2\*x^3)/(x-1)/(3\*x-2)/(x+1)/(x^2+x-1) lgdogf

A157725 8.84936 [{a(n+3)-2\*a(n+2)+a(n), a(0) = 2, a(1) = 3, a(2) = 3}, ogf]

A157725 9.45273 [-(3\*x^4+2\*x^3-6\*x+3)/(3\*x^5+x^4-8\*x^3+x^2+5\*x-2) lgdogf]

A157726 15.1294 -(4-8\*x+4\*x^4+4\*x^3-x^2)/(x-1)/(4\*x^2+2\*x-3)/(x^2+x-1) lgdogf

A157726 15.6951 [ -(4\*x^2+2\*x-3)/(x-1)/(x^2+x-1) ogf]

A157726 8.84936 [{a(n+3)-2\*a(n+2)+a(n), a(0) = 3, a(1) = 4, a(2) = 4}, ogf]

A157726 9.34652 [ -(-4\*x^4-4\*x^3+x^2+8\*x-4)/(-4\*x^5-2\*x^4+11\*x^3-8\*x+3) lgdogf]

A157727 14.3331 -(5-10\*x+5\*x^4+6\*x^3-2\*x^2)/(x-1)/(5\*x^2+3\*x-4)/(x^2+x-1) lgdogf

A157727 15.6951 [ -(5\*x^2+3\*x-4)/(x-1)/(x^2+x-1) ogf]

A157727 8.40242 [ -(5\*x^4+6\*x^3-2\*x^2-10\*x+5)/(5\*x^5+3\*x^4-14\*x^3-x^2+11\*x-4) lgdogf]

A157727 8.84936 [{a(n+3)-2\*a(n+2)+a(n), a(0) = 4, a(1) = 5, a(2) = 5}, ogf]

A157728 14.3341 [ (x+1)^2/(x-1)/(x^2+x-1) ogf]

A157728 18.1798 -(4+2\*x+x^3+3\*x^2)/(x-1)/(x+1)/(x^2+x-1) lgdogf

A157728 8.08198 [ {-a(n+3)+2\*a(n+2)-a(n), a(0) = 1, a(1) = 4, a(2) = 9}, ogf]

A157728 9.49632 [ -(x^3+3\*x^2+2\*x-4)/(x^4+x^3-2\*x^2-x+1) lgdogf]

A157729 14.3982 -(6-12\*x+6\*x^4+8\*x^3-3\*x^2)/(x-1)/(6\*x^2+4\*x-5)/(x^2+x-1) lgdogf

A157729 15.7652 [ -(6\*x^2+4\*x-5)/(x-1)/(x^2+x-1) ogf]

A157729 8.43993 [ -(-6\*x^4-8\*x^3+3\*x^2+12\*x-6)/(-6\*x^5-4\*x^4+17\*x^3+2\*x^2-14\*x+5) lgdogf]

A157729 8.88886 [{a(n+3)-2\*a(n+2)+a(n), a(0) = 5, a(1) = 6, a(2) = 6}, ogf]

A157730 11.1782 [ -(135\*x^2+659\*x+88)/(x-1)^3 ogf]

A157730 15.7343 -(923+1588\*x+135\*x^2)/(x-1)/(135\*x^2+659\*x+88) lgdogf

A157730 6.25224 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 88, a(1) = 923, a(2) = 2640}, ogf]

A157730 9.45851 [ -(135\*x^2+1588\*x+923)/(135\*x^3+524\*x^2-571\*x-88) lgdogf]

A157731 12.8925 [ -(244\*x+638)/(244\*x^2-47\*x-197) lgdogf]

A157731 14.1322 [ 42\*(244\*x+197)/(x-1)^2 ogf]

A157731 16.7706 [ -(-4137-x+21\*(38809+42\*x)^(1/2))/(-10248+x) revogf]

A157731 22.5356 -2\*(319+122\*x)/(244\*x+197)/(x-1) lgdogf

A157731 8.25701 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 8274, a(1) = 26796}, ogf]

A157732 4.84344 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 77617, a(1) = 814087, a(2) = 2328481}, ogf]

A157732 6.21330 [ -(119071\*x^2+1400614\*x+814087)/(119071\*x^3+462165\*x^2-503619\*x-77617) lgdogf]

A157732 8.20156 [ -(119071\*x^2+581236\*x+77617)/(x-1)^3 ogf]

A157732 9.41801 [ -(814087+1400614\*x+119071\*x^2)/(x-1)/(119071\*x^2+581236\*x+77617) lgdogf]

A157734 10.8173 [ -(88\*x^2+659\*x+135)/(x-1)^3 ogf]

A157734 15.2191 -2\*(532+747\*x+44\*x^2)/(x-1)/(88\*x^2+659\*x+135) lgdogf

A157734 5.94952 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 135, a(1) = 1064, a(2) = 2875}, ogf]

A157734 9.15310 [ -(88\*x^2+1494\*x+1064)/(88\*x^3+571\*x^2-524\*x-135) lgdogf]

A157735 12.4114 [ -(197\*x+685)/(197\*x^2+47\*x-244) lgdogf]

A157735 13.6048 [ 42\*(197\*x+244)/(x-1)^2 ogf]

A157735 16.5201 [ -(-5124-x+21\*(59536+42\*x)^(1/2))/(-8274+x) revogf]

A157735 23.1282 [ -(685+197\*x)/(197\*x+244)/(x-1) lgdogf]

A157735 7.86056 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 10248, a(1) = 28770}, ogf]

A157736 4.82975 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 119071, a(1) = 938449, a(2) = 2535751}, ogf]

A157736 6.30824 [ -(77617\*x^2+1317706\*x+938449)/(77617\*x^3+503619\*x^2-462165\*x-119071) lgdogf]

A157736 8.24277 [ -(77617\*x^2+581236\*x+119071)/(x-1)^3 ogf]

A157736 9.61657 [ -(938449+1317706\*x+77617\*x^2)/(x-1)/(77617\*x^2+581236\*x+119071) lgdogf]

A157737 12.5861 [  $-(443x+439)/(x-1)^3$  ogf]  
A157737 12.5861 [  $-(886x+1760)/(443x^2-4x-439)$  lgdogf]  
A157737 21.9858  $-2*(880+443x)/(443x+439)/(x-1)$  lgdogf  
A157737 5.97840 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 439, a(1) = 1760, a(2) = 3963\}$ , ogf]  
A157738 13.1009 [  $-(x+881)/(x^2+439x-440)$  lgdogf]  
A157738 14.1490 [  $42*(x+440)/(x-1)^2$  ogf]  
A157738 16.9230  $-(-9240-x+21*(193600+42x)^{(1/2)})/(-42+x)$  revogf  
A157738 31.5384  $-(881+x)/(x+440)/(x-1)$  lgdogf  
A157738 7.86056 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 18480, a(1) = 37002\}$ , ogf]  
A157739 11.9399  $-(1552321+781450x+x^2)/(x-1)/(x^2+390724x+387199)$  lgdogf  
A157739 4.81627 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 387199, a(1) = 1552321, a(2) = 3495367\}$ , ogf]  
A157739 7.06022 [  $-(x^2+781450x+1552321)/(x^3+390723x^2-3525x-387199)$  lgdogf]  
A157739 8.75069 [  $-(x^2+390724x+387199)/(x-1)^3$  ogf]  
A157740 13.1009 [  $-(-x+883)/(-x^2+443x-442)$  lgdogf]  
A157740 14.1490 [  $-42*(x-442)/(x-1)^2$  ogf]  
A157740 17.3461  $-(-9282-x+21*(195364+42x)^{(1/2)})/(42+x)$  revogf  
A157740 30.1672  $-(-883+x)/(x-1)/(x-442)$  lgdogf  
A157740 7.86056 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 18564, a(1) = 37086\}$ , ogf]  
A157741 11.9399  $-(1559377+774394x+x^2)/(x-1)/(x^2+387196x+390727)$  lgdogf  
A157741 4.81627 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 390727, a(1) = 1559377, a(2) = 3505951\}$ , ogf]  
A157741 7.06022 [  $-(x^2+774394x+1559377)/(x^3+387195x^2+3531x-390727)$  lgdogf]  
A157741 8.75069 [  $-(x^2+387196x+390727)/(x-1)^3$  ogf]  
A157746 11.9801 [  $1/(x^{11}+x^{10}+x^6+x^5+x^4+x^2+1)$  ogf]  
A157746 13.7610  $-x*(2+6x^4+5x^3+4x^2+10x^8+11x^9)/(1+x^2+x^4+x^5+x^6+x^{10}+x^{11})$  lgdogf  
A157748 7.52553  $-(-2+2x-14x^6+6x^5+11x^{10}-10x^9+5x^4+4x^3)/(x^2-1-2x+x^{11}+x^5+x^4-2x^7+x^6-x^{10})$  lgdogf  
A157748 7.66807 [  $-1/(x^{11}-x^{10}-2x^7+x^6+x^5+x^4+x^2-2x-1)$  ogf]  
A157757 12.6754  $-2*(1949+5529x+949x^2)/(x-1)/(1898x^2+3631x+89)$  lgdogf  
A157757 5.49813 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 89, a(1) = 3898, a(2) = 13325\}$ , ogf]  
A157757 7.85448 [  $-(1898x^2+11058x+3898)/(1898x^3+1733x^2-3542x-89)$  lgdogf]  
A157757 9.70259 [  $-(1898x^2+3631x+89)/(x-1)^3$  ogf]  
A157758 10.2796 [  $-(-2309x-3309)/(-2309x^2+1809x+500)$  lgdogf]  
A157758 11.8026 [  $106*(2309x+500)/(x-1)^2$  ogf]  
A157758 13.2864  $-(-26500-x+53*(250000+106x)^{(1/2)})/(-244754+x)$  revogf  
A157758 18.9231  $-(3309+2309x)/(2309x+500)/(x-1)$  lgdogf  
A157758 7.00371 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 53000, a(1) = 350754\}$ , ogf]  
A157759 4.80231 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 500001, a(1) = 21898963, a(2) = 74859849\}$ , ogf]  
A157759 7.86379 [  $-(10662963x^2+20398960x+500001)/(x-1)^3$  ogf]  
A157759 8.33946  $-(21898963+62123846x+10662963x^2)/(x-1)/(10662963x^2+20398960x+500001)$  lgdogf  
A157760 13.6065  $-(9325+7440x+89x^2)/(x-1)/(89x^2+3631x+1898)$  lgdogf  
A157760 5.46262 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1898, a(1) = 9325, a(2) = 22370\}$ , ogf]  
A157760 8.22765 [  $-(89x^2+7440x+9325)/(89x^3+3542x^2-1733x-1898)$  lgdogf]  
A157760 9.80059 [  $-(89x^2+3631x+1898)/(x-1)^3$  ogf]  
A157761 10.5537 [  $-(500x+5118)/(500x^2+1809x-2309)$  lgdogf]  
A157761 11.9218 [  $106*(500x+2309)/(x-1)^2$  ogf]  
A157761 13.1438  $-(-122377-x+53*(5331481+106x)^{(1/2)})/(-53000+x)$  revogf  
A157761 18.5559  $-2*(2559+250x)/(500x+2309)/(x-1)$  lgdogf  
A157761 6.99757 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 244754, a(1) = 542508\}$ , ogf]  
A157762 4.43863 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 10662963, a(1) = 52387849, a(2) = 125674659\}$ , ogf]  
A157762 7.43471 [  $-(500001x^2+20398960x+10662963)/(x-1)^3$  ogf]  
A157762 8.09721  $-(52387849+41797922x+500001x^2)/(x-1)/(500001x^2+20398960x+10662963)$  lgdogf

A157765 10.5758  $[-(7*x^2-14*x-9)/(7*x^3+3*x^2-11*x+1) \text{ lgdogf}]$   
A157765 15.1740  $[2*(x-1)/(7*x^2+10*x-1) \text{ ogf}]$   
A157765 18.0532  $(-1-5*x+(1+8*x+32*x^2)^{(1/2)})/(-2+7*x) \text{ revogf}$   
A157765 18.5411  $(-(-9-14*x+7*x^2)/(x-1)/(7*x^2+10*x-1) \text{ lgdogf})$   
A157765 8.30958  $[{-a(n+2)+10*a(n+1)+7*a(n), a(0) = 2, a(1) = 18}, \text{ ogf}]$   
A157768 11.5157  $-2*(22304+52315*x+7056*x^2)/(x-1)/(14112*x^2+38203*x+2135) \text{ lgdogf}$   
A157768 5.49148  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2135, a(1) = 44608, a(2) = 141531}, \text{ ogf}]$   
A157768 7.40155  $[-(14112*x^2+104630*x+44608)/(14112*x^3+24091*x^2-36068*x-2135) \text{ lgdogf}]$   
A157768 9.45754  $[-(14112*x^2+38203*x+2135)/(x-1)^3 \text{ ogf}]$   
A157769 11.4423  $[330*(19601*x+7624)/(x-1)^2 \text{ ogf}]$   
A157769 12.0726  $(-1257960-x+165*(58125376+330*x)^{(1/2)})/(-6468330+x) \text{ revogf}$   
A157769 17.2931  $(-34849+19601*x)/(19601*x+7624)/(x-1) \text{ lgdogf}$   
A157769 6.86536  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 2515920, a(1) = 11500170}, \text{ ogf}]$   
A157769 9.73446  $[(-19601*x-34849)/(-19601*x^2+11977*x+7624) \text{ lgdogf}]$   
A157770 5.07809  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 116250751, a(1) = 2428905601, a(2) = 7706362951}, \text{ ogf}]$   
A157770 8.14857  $[-(768398401*x^2+2080153348*x+116250751)/(x-1)^3 \text{ ogf}]$   
A157786 10.5520  $[-(2135*x^2+38203*x+14112)/(x-1)^3 \text{ ogf}]$   
A157786 13.3288  $(-80539+80676*x+2135*x^2)/(x-1)/(2135*x^2+38203*x+14112) \text{ lgdogf}$   
A157786 6.07794  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 14112, a(1) = 80539, a(2) = 201416}, \text{ ogf}]$   
A157787 11.4423  $[330*(7624*x+19601)/(x-1)^2 \text{ ogf}]$   
A157787 11.8490  $(-3234165-x+165*(384199201+330*x)^{(1/2)})/(-2515920+x) \text{ revogf}$   
A157787 16.8380  $-2*(23413+3812*x)/(7624*x+19601)/(x-1) \text{ lgdogf}$   
A157787 6.86536  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 6468330, a(1) = 15452580}, \text{ ogf}]$   
A157788 4.34154  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 768398401, a(1) = 4385348551, a(2) = 10967101201}, \text{ ogf}]$   
A157788 7.01714  $[-(116250751*x^2+2080153348*x+768398401)/(x-1)^3 \text{ ogf}]$   
A157791 11.7980  $[-(x^2-x+1)*(x^23+x^22-x^20-x^19+x^17+x^16-x^14-x^13+x^11+x^10+x^2+x+1)/(x-1) \text{ ogf}]$   
A157792 7.24032  $[(x^11-x^9-x^7+x^6-x^5+x^4-x^3+x^2+1)/(x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A157796 11.1249  $-2*(43024+37979*x+672*x^2)/(x-1)/(1344*x^2+36635*x+16471) \text{ lgdogf}$   
A157796 5.17596  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 16471, a(1) = 86048, a(2) = 210075}, \text{ ogf}]$   
A157796 8.98604  $[-(1344*x^2+36635*x+16471)/(x-1)^3 \text{ ogf}]$   
A157797 11.4423  $[330*(6049*x+21176)/(x-1)^2 \text{ ogf}]$   
A157797 11.8490  $(-3494040-x+165*(448422976+330*x)^{(1/2)})/(-1996170+x) \text{ revogf}$   
A157797 17.7735  $(-48401+6049*x)/(6049*x+21176)/(x-1) \text{ lgdogf}$   
A157797 6.86536  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 6988080, a(1) = 15972330}, \text{ ogf}]$   
A157798 4.34154  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 896845951, a(1) = 4685313601, a(2) = 11438583751}, \text{ ogf}]$   
A157798 7.09969  $[-(73180801*x^2+1994775748*x+896845951)/(x-1)^3 \text{ ogf}]$   
A157802 11.4891  $-2*(15232+54359*x+12084*x^2)/(x-1)/(24168*x^2+30191*x+91) \text{ lgdogf}$   
A157802 5.47467  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 91, a(1) = 30464, a(2) = 115287}, \text{ ogf}]$   
A157802 9.54157  $[-(24168*x^2+30191*x+91)/(x-1)^3 \text{ ogf}]$   
A157803 11.4810  $[330*(25651*x+1574)/(x-1)^2 \text{ ogf}]$   
A157803 12.3642  $(-259710-x+165*(2477476+330*x)^{(1/2)})/(-8464830+x) \text{ revogf}$   
A157803 17.0425  $(-28799+25651*x)/(25651*x+1574)/(x-1) \text{ lgdogf}$   
A157803 6.91329  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 519420, a(1) = 9503670}, \text{ ogf}]$   
A157804 4.35398  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 4954951, a(1) = 1658764801, a(2) = 6277377151}, \text{ ogf}]$   
A157804 6.96636  $[-(1315947601*x^2+1643899948*x+4954951)/(x-1)^3 \text{ ogf}]$   
A157810 10.8880  $(-1+6*x+2*x^6+6*x^5+8*x^3+3*x^4+6*x^2)/(x-1)/(1+x)/(x^2+1)/(2*x^3+3*x^2+x+2) \text{ lgdogf}$   
A157810 14.8346  $[-(2*x^3+3*x^2+x+2)/(x-1)/(x+1)/(x^2+1) \text{ ogf}]$   
A157814 10.6592  $[-(27227*x+27223)/(x-1)^3 \text{ ogf}]$   
A157814 15.9335  $-2*(54448+27227*x)/(27227*x+27223)/(x-1) \text{ lgdogf}$

A157814 5.16043 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 27223, a(1) = 108896, a(2) = 245019\}$ , ogf]  
A157815 12.3058 [  $330*(x+27224)/(x-1)^2$  ogf]  
A157815 12.7969  $-(-4491960-x+165*(741146176+330*x)^{(1/2)})/(-330+x)$  revogf  
A157815 24.6094  $-(54449+x)/(x+27224)/(x-1)$  lgdogf  
A157815 6.86536 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 8983920, a(1) = 17968170\}$ , ogf]  
A157816 4.33076 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1482292351, a(1) = 5929387201, a(2) = 13341284551\}$ , ogf]  
A157816 7.67477 [  $-(x^2+1482510148*x+1482292351)/(x-1)^3$  ogf]  
A157820 10.6592 [  $-(27223*x+27227)/(x-1)^3$  ogf]  
A157820 15.9335  $-2*(54452+27223*x)/(27223*x+27227)/(x-1)$  lgdogf  
A157820 5.16043 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 27227, a(1) = 108904, a(2) = 245031\}$ , ogf]  
A157821 12.3058 [  $-330*(x-27226)/(x-1)^2$  ogf]  
A157821 13.0581  $-(-4492290-x+165*(741255076+330*x)^{(1/2)})/(330+x)$  revogf  
A157821 23.6980  $-(-54451+x)/(x-1)/(x-27226)$  lgdogf  
A157821 6.86536 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 8984580, a(1) = 17968830\}$ , ogf]  
A157822 4.33076 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1482510151, a(1) = 5929822801, a(2) = 13341937951\}$ , ogf]  
A157822 7.67477 [  $-(x^2+1482292348*x+1482510151)/(x-1)^3$  ogf]  
A157823 14.6219  $1/(2*x-1)/(9*x-5)$  lgdogf  
A157823 18.0781 [  $-(9*x-5)/(2*x-1)$  ogf]  
A157823 6.71816  $5/18-1/9*x-1/18*(25+16*x+4*x^2)^{(1/2)}$  revogf  
A157823 9.29011 [ $\{-a(n+2)+2a(n+1), a(0) = -5, a(1) = -1\}$ , ogf]  
A157824 12.8061  $-(4063+14372*x+3165*x^2)/(x-1)/(3165*x^2+4021*x+14)$  lgdogf  
A157824 5.55367 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 14, a(1) = 4063, a(2) = 15312\}$ , ogf]  
A157824 9.80059 [  $-(3165*x^2+4021*x+14)/(x-1)^3$  ogf]  
A157825 10.7082 [  $240*(6751*x+449)/(x-1)^2$  ogf]  
A157825 11.9857  $-(-53880-x+120*(201601+120*x)^{(1/2)})/(-1620240+x)$  revogf  
A157825 17.7969  $-(7649+6751*x)/(6751*x+449)/(x-1)$  lgdogf  
A157825 6.44798 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 107760, a(1) = 1835760\}$ , ogf]  
A157826 4.38989 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 403201, a(1) = 117014401, a(2) = 440985601\}$ , ogf]  
A157826 7.20809 [  $-(91152001*x^2+115804798*x+403201)/(x-1)^3$  ogf]  
A157828 11.5795 [  $1/(24*x^12+440*x^9+264*x^6+1)$  ogf]  
A157828 13.3287  $-72*x^5*(22+55*x^3+4*x^6)/(1+264*x^6+440*x^9+24*x^12)$  lgdogf  
A157830 10.2546 [  $1/(x^24+759*x^16+2576*x^12+759*x^8+1)$  ogf]  
A157830 11.2369  $-24*x^7*(253+1288*x^4+506*x^8+x^16)/(1+759*x^8+2576*x^12+759*x^16+x^24)$  lgdogf  
A157838 12.8061  $-(4843+14216*x+2541*x^2)/(x-1)/(2541*x^2+4567*x+92)$  lgdogf  
A157838 5.55367 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 92, a(1) = 4843, a(2) = 16794\}$ , ogf]  
A157838 9.80059 [  $-(2541*x^2+4567*x+92)/(x-1)^3$  ogf]  
A157839 10.7082 [  $240*(6049*x+1151)/(x-1)^2$  ogf]  
A157839 11.5156  $-(-138120-x+120*(1324801+120*x)^{(1/2)})/(-1451760+x)$  revogf  
A157839 17.2735  $-(8351+6049*x)/(6049*x+1151)/(x-1)$  lgdogf  
A157839 6.44798 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 276240, a(1) = 2004240\}$ , ogf]  
A157840 4.40026 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 2649601, a(1) = 139478401, a(2) = 483667201\}$ , ogf]  
A157840 7.19067 [  $-(73180801*x^2+131529598*x+2649601)/(x-1)^3$  ogf]  
A157840 7.41121  $-(139478401+409420798*x+73180801*x^2)/(x-1)/(73180801*x^2+131529598*x+2649601)$  lgdogf  
A157842 12.6239  $-(5379+14044*x+2177*x^2)/(x-1)/(2177*x^2+4845*x+178)$  lgdogf  
A157842 5.53531 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 178, a(1) = 5379, a(2) = 17780\}$ , ogf]  
A157842 9.70684 [  $-(2177*x^2+4845*x+178)/(x-1)^3$  ogf]  
A157843 10.7082 [  $240*(5599*x+1601)/(x-1)^2$  ogf]  
A157843 11.5156  $-(-192120-x+120*(2563201+120*x)^{(1/2)})/(-1343760+x)$  revogf  
A157843 17.2735  $-(8801+5599*x)/(5599*x+1601)/(x-1)$  lgdogf  
A157843 6.44798 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 384240, a(1) = 2112240\}$ , ogf]

A157844 4.40026 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 5126401, a(1) = 154915201, a(2) = 512064001\}$ , ogf]  
A157844 7.19067 [ $-(62697601*x^2+139535998*x+5126401)/(x-1)^3$  ogf]  
A157853 13.1328  $-2*(5688+5023*x+89*x^2)/(x-1)/(2177+4845*x+178*x^2)$  lgdogf  
A157853 5.55367 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 2177, a(1) = 11376, a(2) = 27775\}$ , ogf]  
A157853 9.90001 [ $-(178*x^2+4845*x+2177)/(x-1)^3$  ogf]  
A157854 10.7634 [ $240*(1601*x+5599)/(x-1)^2$  ogf]  
A157854 11.5762  $-(-671880-x+120*(31348801+120*x)^(1/2))/(-384240+x)$  revogf  
A157854 16.8682  $-(12799+1601*x)/(1601*x+5599)/(x-1)$  lgdogf  
A157854 6.41227 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 1343760, a(1) = 3071760\}$ , ogf]  
A157855 4.38908 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 62697601, a(1) = 327628801, a(2) = 799920001\}$ , ogf]  
A157855 7.22593 [ $-(5126401*x^2+139535998*x+62697601)/(x-1)^3$  ogf]  
A157857 11.5780 [ $-(3601*x+3599)/(x-1)^3$  ogf]  
A157857 18.6048  $-2*(7199+3601*x)/(3601*x+3599)/(x-1)$  lgdogf  
A157857 5.55367 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 3599, a(1) = 14398, a(2) = 32397\}$ , ogf]  
A157858 11.4310 [ $240*(x+7199)/(x-1)^2$  ogf]  
A157858 12.3642  $-(-863880-x+120*(51825601+120*x)^(1/2))/(-240+x)$  revogf  
A157858 23.7392  $-(14399+x)/(x+7199)/(x-1)$  lgdogf  
A157858 6.44515 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 1727760, a(1) = 3455760\}$ , ogf]  
A157859 4.39932 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 103651201, a(1) = 414662401, a(2) = 933033601\}$ , ogf]  
A157859 7.77022 [ $-(x^2+103708798*x+103651201)/(x-1)^3$  ogf]  
A157861 11.5780 [ $-(3599*x+3601)/(x-1)^3$  ogf]  
A157861 18.6048  $-2*(7201+3599*x)/(3599*x+3601)/(x-1)$  lgdogf  
A157861 5.55367 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 3601, a(1) = 14402, a(2) = 32403\}$ , ogf]  
A157862 11.4310 [ $-240*(x-7201)/(x-1)^2$  ogf]  
A157862 12.6272  $-(-864120-x+120*(51854401+120*x)^(1/2))/(240+x)$  revogf  
A157862 22.8261  $-(-14401+x)/(x-1)/(x-7201)$  lgdogf  
A157862 6.44515 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 1728240, a(1) = 3456240\}$ , ogf]  
A157863 4.39932 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 103708801, a(1) = 414777601, a(2) = 933206401\}$ , ogf]  
A157863 7.77022 [ $-(x^2+103651198*x+103708801)/(x-1)^3$  ogf]  
A157870 14.9440 [ $-2*(3*x^2+12*x+1)/(x-1)^3$  ogf]  
A157870 25.3116  $-3*(5+10*x+x^2)/(x-1)/(3*x^2+12*x+1)$  lgdogf  
A157870 8.12746 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 2, a(1) = 30, a(2) = 90\}$ , ogf]  
A157872 12.9822 [ $3*(x^2-5*x-2)/(x-1)^3$  ogf]  
A157872 24.6829  $-(-11-8*x+x^2)/(x-1)/(x^2-5*x-2)$  lgdogf  
A157872 7.06050 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 6, a(1) = 33, a(2) = 78\}$ , ogf]  
A157874 11.7183 [ $-104*x/(x-1)/(x^2-674*x+1)$  ogf]  
A157874 4.93912 [ $\{a(n+3)-675*a(n+2)+675*a(n+1)-a(n), a(0) = 0, a(1) = 104, a(2) = 70200\}$ , ogf]  
A157876 11.6042 [ $1/(x^{11}+x^9+x^7+x^6+x^5+x+1)$  ogf]  
A157876 12.5076  $-(1+7*x^6+6*x^5+5*x^4+11*x^{10}+9*x^8)/(x^5+1+x+x^7+x^6+x^{11}+x^9)$  lgdogf  
A157877 14.1045 [ $-(x-1)/(x^2-30*x+1)$  ogf]  
A157877 7.72387 [ $\{a(n+2)-30*a(n+1)+a(n), a(0) = 1, a(1) = 29\}$ , ogf]  
A157878 14.1045 [ $(x+1)/(x^2-30*x+1)$  ogf]  
A157878 7.72387 [ $\{-a(n+2)+30*a(n+1)-a(n), a(0) = 1, a(1) = 31\}$ , ogf]  
A157879 12.0704 [ $-120*x/(x-1)/(x^2-898*x+1)$  ogf]  
A157879 5.04580 [ $\{a(n+3)-899*a(n+2)+899*a(n+1)-a(n), a(0) = 0, a(1) = 120, a(2) = 107880\}$ , ogf]  
A157880 12.0988 [ $-136*x/(x-1)/(x^2-1154*x+1)$  ogf]  
A157880 5.17127 [ $\{a(n+3)-1155*a(n+2)+1155*a(n+1)-a(n), a(0) = 0, a(1) = 136, a(2) = 157080\}$ , ogf]  
A157881 10.2209 [ $-152*x/(x-1)/(x^2-1442*x+1)$  ogf]

A157881 4.36863 [ $\{a(n+3)-1443a(n+2)+1443a(n+1)-a(n), a(0) = 0, a(1) = 152, a(2) = 219336\}$ , ogf]  
A157888 11.6607 [ $-9*(x+5)*(x+2)/(x-1)^3$  ogf]  
A157888 22.5090  $-(37+16*x+x^2)/(x+5)/(x-1)/(x+2)$  lgdogf  
A157888 6.27882 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 90, a(1) = 333, a(2) = 738\}$ , ogf]  
A157889 12.3548 [ $-(x^2+16*x+19)/(x-1)^3$  ogf]  
A157889 22.4588  $-(73+34*x+x^2)/(x-1)/(x^2+16*x+19)$  lgdogf  
A157889 6.70995 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 19, a(1) = 73, a(2) = 163\}$ , ogf]  
A157909 11.6607 [ $9*(x^2-11*x-8)/(x-1)^3$  ogf]  
A157909 21.1849  $-(-35-20*x+x^2)/(x-1)/(x^2-11*x-8)$  lgdogf  
A157909 6.27882 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 72, a(1) = 315, a(2) = 720\}$ , ogf]  
A157910 12.3548 [ $(x^2-20*x-17)/(x-1)^3$  ogf]  
A157910 21.8171  $-(-71-38*x+x^2)/(x-1)/(x^2-20*x-17)$  lgdogf  
A157910 6.70995 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 17, a(1) = 71, a(2) = 161\}$ , ogf]  
A157912 11.3665 [ $-16*(x^2+2*x+5)/(x-1)^3$  ogf]  
A157912 23.0039  $-(17+6*x+x^2)/(x-1)/(x^2+2*x+5)$  lgdogf  
A157912 6.21756 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 80, a(1) = 272, a(2) = 592\}$ , ogf]  
A157913 11.3665 [ $16*(x^2-6*x-3)/(x-1)^3$  ogf]  
A157913 21.6097  $-(-15-10*x+x^2)/(x-1)/(x^2-6*x-3)$  lgdogf  
A157913 6.21756 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 48, a(1) = 240, a(2) = 560\}$ , ogf]  
A157914 12.8002 [ $(x^2-10*x-7)/(x-1)^3$  ogf]  
A157914 22.8991  $-(-31-18*x+x^2)/(x-1)/(x^2-10*x-7)$  lgdogf  
A157914 6.96152 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 7, a(1) = 31, a(2) = 71\}$ , ogf]  
A157915 11.0799 [ $-25*(x^2+23*x+26)/(x-1)^3$  ogf]  
A157915 20.4974  $-(101+48*x+x^2)/(x-1)/(x^2+23*x+26)$  lgdogf  
A157915 6.09392 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 650, a(1) = 2525, a(2) = 5650\}$ , ogf]  
A157916 11.8071 [ $-(x^2+48*x+51)/(x-1)^3$  ogf]  
A157916 20.8402  $-(201+98*x+x^2)/(x-1)/(x^2+48*x+51)$  lgdogf  
A157916 6.35769 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 51, a(1) = 201, a(2) = 451\}$ , ogf]  
A157918 11.0273 [ $25*(x^2-27*x-24)/(x-1)^3$  ogf]  
A157918 20.3984  $-(-99-52*x+x^2)/(x-1)/(x^2-27*x-24)$  lgdogf  
A157918 6.06504 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 600, a(1) = 2475, a(2) = 5600\}$ , ogf]  
A157919 11.8071 [ $(x^2-52*x-49)/(x-1)^3$  ogf]  
A157919 19.7137  $-(-199-102*x+x^2)/(x-1)/(x^2-52*x-49)$  lgdogf  
A157919 6.35769 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 49, a(1) = 199, a(2) = 449\}$ , ogf]  
A157921 17.7092 [ $(x+71)/(x-1)^2$  ogf]  
A157921 20.4974  $-1/2*(-71-2*x+(5041+288*x)^(1/2))/(x-1)$  revogf  
A157921 38.0666  $-(143+x)/(x+71)/(x-1)$  lgdogf  
A157921 9.58382 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 71, a(1) = 143\}$ , ogf]  
A157923 13.5245 [ $-2*(25*x+24)/(x-1)^3$  ogf]  
A157923 28.0541  $-(97+50*x)/(25*x+24)/(x-1)$  lgdogf  
A157923 6.35769 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 48, a(1) = 194, a(2) = 438\}$ , ogf]  
A157924 17.4402 [ $(x+97)/(x-1)^2$  ogf]  
A157924 20.1823  $-1/2*(-97-2*x+(9409+392*x)^(1/2))/(x-1)$  revogf  
A157924 37.4815  $-(195+x)/(x+97)/(x-1)$  lgdogf  
A157924 9.43821 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 97, a(1) = 195\}$ , ogf]  
A157928 11.9754 [ $\{-a(n+3)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A157928 121.585  $-1/(x-1)$  lgdogf  
A157928 33.8616 [ $-x^2/(x-1)$  ogf]



A157928 75.3820 [[1] ogf\_with\_Euler\_transform]  
A157932 11.2272 [  $2*x*(2*x^2-x+2)/(x^2+1)/(x-1)^2$  ogf]  
A157932 4.20301 [  $\{(-n-3)*a(n+1)+(n+2)*a(n+2)+(-n-3)*a(n+3)+(n+2)*a(n+4), a(0) = 0, a(1) = 4, a(2) = 6, a(3) = 8\}$ , ogf]  
A157947 17.4402 [  $-(x-99)/(x-1)^2$  ogf]  
A157947 20.1823  $-1/2*(-99-2*x+(9801+392*x)^(1/2))/(1+x)$  revogf  
A157947 35.7778  $-(-197+x)/(x-1)/(x-99)$  lgdogf  
A157947 9.43821 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 99, a(1) = 197\}$ , ogf]  
A157948 13.2265 [  $-(65*x+63)/(x-1)^3$  ogf]  
A157948 24.5904  $-2*(127+65*x)/(65*x+63)/(x-1)$  lgdogf  
A157948 6.21756 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 63, a(1) = 254, a(2) = 573\}$ , ogf]  
A157949 16.8854 [  $(x+127)/(x-1)^2$  ogf]  
A157949 18.9895  $-1/2*(-127-2*x+(16129+512*x)^(1/2))/(x-1)$  revogf  
A157949 35.3895  $-(255+x)/(x+127)/(x-1)$  lgdogf  
A157949 9.22806 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 127, a(1) = 255\}$ , ogf]  
A157951 16.8854 [  $-(x-129)/(x-1)^2$  ogf]  
A157951 18.9895  $-1/2*(-129-2*x+(16641+512*x)^(1/2))/(1+x)$  revogf  
A157951 33.8508  $-(-257+x)/(x-1)/(x-129)$  lgdogf  
A157951 9.22806 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 129, a(1) = 257\}$ , ogf]  
A157952 16.9654 [  $-(x-163)/(x-1)^2$  ogf]  
A157952 19.0812  $-1/2*(-163-2*x+(26569+648*x)^(1/2))/(1+x)$  revogf  
A157952 34.0143  $-(-325+x)/(x-1)/(x-163)$  lgdogf  
A157952 9.27179 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 163, a(1) = 325\}$ , ogf]  
A157953 13.3568 [  $-2*(41*x+40)/(x-1)^3$  ogf]  
A157953 26.6773  $-(161+82*x)/(41*x+40)/(x-1)$  lgdogf  
A157953 6.27882 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 80, a(1) = 322, a(2) = 726\}$ , ogf]  
A157954 16.9654 [  $(x+161)/(x-1)^2$  ogf]  
A157954 19.0812  $-1/2*(-161-2*x+(25921+648*x)^(1/2))/(x-1)$  revogf  
A157954 35.5604  $-(323+x)/(x+161)/(x-1)$  lgdogf  
A157954 9.27179 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 161, a(1) = 323\}$ , ogf]  
A157955 17.0454 [  $(x+199)/(x-1)^2$  ogf]  
A157955 19.1729  $-1/2*(-199-2*x+(39601+800*x)^(1/2))/(x-1)$  revogf  
A157955 35.7314  $-(-399+x)/(x+199)/(x-1)$  lgdogf  
A157955 9.31553 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 199, a(1) = 399\}$ , ogf]  
A157956 17.1255 [  $-(x-201)/(x-1)^2$  ogf]  
A157956 19.2647  $-1/2*(-201-2*x+(40401+800*x)^(1/2))/(1+x)$  revogf  
A157956 34.3414  $-(-401+x)/(x-1)/(x-201)$  lgdogf  
A157956 9.35927 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 201, a(1) = 401\}$ , ogf]  
A157958 16.7002 [  $-(x-243)/(x-1)^2$  ogf]  
A157958 18.7795  $-1/2*(-243-2*x+(59049+968*x)^(1/2))/(1+x)$  revogf  
A157958 33.4765  $-(-485+x)/(x-1)/(x-243)$  lgdogf  
A157958 9.12687 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 243, a(1) = 485\}$ , ogf]  
A157960 12.4969 [  $-2*(61*x+60)/(x-1)^3$  ogf]  
A157960 24.9364  $-(241+122*x)/(61*x+60)/(x-1)$  lgdogf  
A157960 5.98592 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 120, a(1) = 482, a(2) = 1086\}$ , ogf]  
A157961 16.7002 [  $(x+241)/(x-1)^2$  ogf]  
A157961 18.7795  $-1/2*(-241-2*x+(58081+968*x)^(1/2))/(x-1)$  revogf  
A157961 34.9982  $-(483+x)/(x+241)/(x-1)$  lgdogf  
A157961 9.12687 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 241, a(1) = 483\}$ , ogf]  
A157983 10.4521  $(-253^(1/12)+(64009+2024*x)^(1/24))/(64009+2024*x)^(1/24)$  revevfg  
A157983 6.38529 [  $\{(-n-26)*a(n+1)+a(n+2), a(0) = 759, a(1) = 18975\}$ , ogf]  
A157983 66.1968  $-25/(x-1)$  lgdegf  
A157984 16.3909  $(-1+(1+7*x)^(1/21))/(1+7*x)^(1/21)$  revevfg  
A157984 6.31534 [  $\{(-n-23)*a(n+1)+a(n+2), a(0) = 3, a(1) = 66\}$ , ogf]  
A157984 61.9212  $-22/(x-1)$  lgdegf  
A157988 4.55994 [  $\{(-n-48)*a(n+1)+a(n+2), a(0) = 5760, a(1) = 270720\}$ , ogf]  
A157988 48.0416  $-47/(x-1)$  lgdegf  
A157988 7.86135  $-(120^(1/23)-(14400+115*x)^(1/46))/(14400+115*x)^(1/46)$  revevfg

A157990 16.1683 [  $-(x-289)/(x-1)^2$  ogf]  
A157990 17.7418  $-1/2*(-289-2*x+(83521+1152*x)^{(1/2)})/(1+x)$  revogf  
A157990 32.3980  $-(-577+x)/(x-1)/(x-289)$  lgdogf  
A157990 8.83615 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 289, a(1) = 577\}$ , ogf]  
A157997 16.1683 [  $(x+287)/(x-1)^2$  ogf]  
A157997 17.7418  $-1/2*(-287-2*x+(82369+1152*x)^{(1/2)})/(x-1)$  revogf  
A157997 33.8706  $-(575+x)/(x+287)/(x-1)$  lgdogf  
A157997 8.83615 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 287, a(1) = 575\}$ , ogf]  
A157998 12.8681 [  $-2*(85*x+84)/(x-1)^3$  ogf]  
A157998 25.6921  $-(337+170*x)/(85*x+84)/(x-1)$  lgdogf  
A157998 6.16372 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 168, a(1) = 674, a(2) = 1518\}$ , ogf]  
A157999 16.6392 [  $(x+337)/(x-1)^2$  ogf]  
A157999 17.8439  $-1/2*(-337-2*x+(113569+1352*x)^{(1/2)})/(x-1)$  revogf  
A157999 34.8767  $-(675+x)/(x+337)/(x-1)$  lgdogf  
A157999 9.09352 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 337, a(1) = 675\}$ , ogf]  
A158000 16.6392 [  $-(x-339)/(x-1)^2$  ogf]  
A158000 17.8439  $-1/2*(-339-2*x+(114921+1352*x)^{(1/2)})/(1+x)$  revogf  
A158000 33.3603  $-(-677+x)/(x-1)/(x-339)$  lgdogf  
A158000 9.09352 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 339, a(1) = 677\}$ , ogf]  
A158001 13.0146 [  $-(x^5+4*x^4+4*x^3+9*x^2+10*x+9)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A158001 7.15773  $-(10+18*x+36*x^7+50*x^6+54*x^5+5*x^4+16*x^3+x^10+8*x^9+12*x^8+12*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+4*x^4+4*x^3+9*x^2+10*x+9)$  lgdogf  
A158002 16.0573 [  $(391*x+1)/(x-1)^2$  ogf]  
A158002 17.2102  $-1/2*(-393-2*x+(154449+1568*x)^{(1/2)})/(1+x)$  revogf  
A158002 32.1756  $-(-785+x)/(x-1)/(x-393)$  lgdogf  
A158002 8.98444 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 393\}$ , ogf]  
A158003 12.9919 [  $-(197*x+195)/(x-1)^3$  ogf]  
A158003 22.7009  $-2*(391+197*x)/(197*x+195)/(x-1)$  lgdogf  
A158003 6.22299 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 195, a(1) = 782, a(2) = 1761\}$ , ogf]  
A158004 15.7887 [  $(x+391)/(x-1)^2$  ogf]  
A158004 16.9190  $-1/2*(-391-2*x+(152881+1568*x)^{(1/2)})/(x-1)$  revogf  
A158004 33.0690  $-(783+x)/(x+391)/(x-1)$  lgdogf  
A158004 8.62870 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 391, a(1) = 783\}$ , ogf]  
A158010 13.3012 [  $-(257*x+255)/(x-1)^3$  ogf]  
A158010 23.2519  $-2*(511+257*x)/(257*x+255)/(x-1)$  lgdogf  
A158010 6.31806 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 255, a(1) = 1022, a(2) = 2301\}$ , ogf]  
A158011 15.7498 [  $(x+511)/(x-1)^2$  ogf]  
A158011 16.8790  $-1/2*(-511-2*x+(261121+2048*x)^{(1/2)})/(x-1)$  revogf  
A158011 31.5563  $-(1023+x)/(x+511)/(x-1)$  lgdogf  
A158011 8.50849 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 511, a(1) = 1023\}$ , ogf]  
A158025 7.64519 [  $-(48*x^16-50*x^14-x^6+x^5+x^4-x^3-x^2-x-1)/(x+1)/(x-1)^2$  ogf]  
A158029 5.62475 [  $-(379*x^25-x^24-374*x^23+33*x^15-3*x^14-39*x^13+10*x^8-12*x^6-x^2-x-1)/(x+1)/(x-1)^2$  ogf]  
A158040 4.88867 [  $2*(8*x^6-50*x^4+64*x^3-25*x^2+1)/(x-1)^2/(2*x-1)^2/(2*x^2-5*x+1)^2$  ogf]  
A158045 7.44765 [  $-2*(2*x^2-1)*(4*x^4-11*x^2+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(2*x^2-5*x+1)/(2*x^2+5*x+1)$  ogf]  
A158056 14.0848 [  $-2*(7*x+9)/(x-1)^3$  ogf]  
A158056 30.3964  $-2*(17+7*x)/(7*x+9)/(x-1)$  lgdogf  
A158056 6.67815 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 18, a(1) = 68, a(2) = 150\}$ , ogf]  
A158057 10.1407 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 17\}$ , ogf]  
A158057 17.7987  $-1/2*(-17-2*x+(289+64*x)^{(1/2)})/(1+x)$  revogf  
A158057 18.2973 [  $(15*x+1)/(x-1)^2$  ogf]  
A158057 31.3596  $-(-33+x)/(x-1)/(x-17)$  lgdogf  
A158058 14.0177 [  $-2*(9*x+7)/(x-1)^3$  ogf]

A158058 31.5092  $-6*(5+3*x)/(9*x+7)/(x-1)$  lgdogf  
A158058 6.64634  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 14, a(1) = 60, a(2) = 138\}, \text{ogf}]$   
A158060 17.9443  $[ -(x-26)/(x-1)^2 \text{ogf}]$   
A158060 26.1222  $-(-13-x+(169+25*x)^{(1/2)})/(1+x)$  revogf  
A158060 38.5613  $-(-51+x)/(x-1)/(x-26)$  lgdogf  
A158060 9.82662  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 26, a(1) = 51\}, \text{ogf}]$   
A158062 13.8228  $[ -2*(19*x+17)/(x-1)^3 \text{ogf}]$   
A158062 26.6324  $-2*(35+19*x)/(19*x+17)/(x-1)$  lgdogf  
A158062 6.49791  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 34, a(1) = 140, a(2) = 318\}, \text{ogf}]$   
A158064 13.8228  $[ -2*(17*x+19)/(x-1)^3 \text{ogf}]$   
A158064 26.6324  $-2*(37+17*x)/(17*x+19)/(x-1)$  lgdogf  
A158064 6.49791  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 38, a(1) = 148, a(2) = 330\}, \text{ogf}]$   
A158065 16.4679  $[ -(x-37)/(x-1)^2 \text{ogf}]$   
A158065 19.0333  $-1/2*(-37-2*x+(1369+144*x)^{(1/2)})/(1+x)$  revogf  
A158065 35.3476  $-(-73+x)/(x-1)/(x-37)$  lgdogf  
A158065 9.01815  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 37, a(1) = 73\}, \text{ogf}]$   
A158066 17.0472  $[ -(x-50)/(x-1)^2 \text{ogf}]$   
A158066 24.8047  $-(-25-x+(625+49*x)^{(1/2)})/(1+x)$  revogf  
A158066 36.6164  $-(-99+x)/(x-1)/(x-50)$  lgdogf  
A158066 9.33538  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 50, a(1) = 99\}, \text{ogf}]$   
A158067 13.2265  $[ -2*(33*x+31)/(x-1)^3 \text{ogf}]$   
A158067 25.4686  $-6*(21+11*x)/(33*x+31)/(x-1)$  lgdogf  
A158067 6.21756  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 62, a(1) = 252, a(2) = 570\}, \text{ogf}]$   
A158068 11.6623  $[ -(5*x^4+x^2+x+1)/(x-1)/(x^2+x+1)/(x^2-x+1) \text{ogf}]$   
A158068 11.7190  $-(2-12*x^4+5*x^8+12*x^5-2*x^6+x^2+18*x^3)/(x-1)/(x^2+x+1)/(x^2-x+1)/(5*x^4+x^2+x+1)$  lgdogf  
A158070 12.4852  $[ -2*x*(31*x+33)/(x-1)^3 \text{ogf}]$   
A158070 25.4686  $-2*(65+31*x)/(31*x+33)/(x-1)$  lgdogf  
A158070 6.46165  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 66, a(2) = 260\}, \text{ogf}]$   
A158071 17.5437  $[ -(x-65)/(x-1)^2 \text{ogf}]$   
A158071 20.3022  $-1/2*(-65-2*x+(4225+256*x)^{(1/2)})/(1+x)$  revogf  
A158071 35.9902  $-(-129+x)/(x-1)/(x-65)$  lgdogf  
A158071 9.49426  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 65, a(1) = 129\}, \text{ogf}]$   
A158083 8.68660  $[ -(8*x^6-12*x^5-2*x^4-x^3-x^2+x-2)/(x-1)^2 \text{ogf}]$   
A158083 9.49767  $(3+x+32*x^6+3*x^2+7*x^3+56*x^4-84*x^5)/(x-1)/(8*x^6-12*x^5-2*x^4-x^3-x^2+x-2)$  lgdogf  
A158090 10.5726  $-x*(4+5*x^3+18*x^7+4*x^12+3*x^13+6*x^4+14*x^9)/(x-1)/(x^2+x+1)/(x^6+x^3+1)/(x^6+x^5+2*x^2+2)$  lgdogf  
A158090 11.7493  $[ -3*x*(x^6+x^5+2*x^2+2)/(x-1)/(x^2+x+1)/(x^6+x^3+1) \text{ogf}]$   
A158111 5.70759  $[ \{(-27*n^3-126*n^2-195*n-100)*a(n+1)+a(n+2), a(0) = 1, a(1) = 4\}, \text{ogf}]$   
A158121 5.16115  $[ -(x^6-6*x^5+15*x^4-13*x^3+66*x^2+51*x+6)/(x-1)^7 \text{ogf}]$   
A158123 17.2757  $[ -(x-82)/(x-1)^2 \text{ogf}]$   
A158123 24.3607  $-(-41-x+(1681+81*x)^{(1/2)})/(1+x)$  revogf  
A158123 35.4338  $-(-163+x)/(x-1)/(x-82)$  lgdogf  
A158123 9.34918  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 82, a(1) = 163\}, \text{ogf}]$   
A158127 13.0151  $[ -2*(49*x+51)/(x-1)^3 \text{ogf}]$   
A158127 24.6423  $-2*(101+49*x)/(49*x+51)/(x-1)$  lgdogf  
A158127 6.17667  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 102, a(1) = 404, a(2) = 906\}, \text{ogf}]$   
A158128 17.2301  $[ -(x-101)/(x-1)^2 \text{ogf}]$   
A158128 19.3824  $-1/2*(-101-2*x+(10201+400*x)^{(1/2)})/(1+x)$  revogf  
A158128 34.5513  $-(-201+x)/(x-1)/(x-101)$  lgdogf  
A158128 9.41648  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 101, a(1) = 201\}, \text{ogf}]$   
A158129 13.4382  $[ -2*(51*x+49)/(x-1)^3 \text{ogf}]$   
A158129 26.3645  $-6*(33+17*x)/(51*x+49)/(x-1)$  lgdogf

A158129 6.43196 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 98, a(1) = 396, a(2) = 894\}$ , ogf]  
A158130 16.8054 [ $(x+120)/(x-1)^2$  ogf]  
A158130 23.4790  $-(-60-x+(3600+121*x)^{(1/2)})/(x-1)$  revogf  
A158130 35.2185  $-(241+x)/(x+120)/(x-1)$  lgdogf  
A158130 9.18433 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 120, a(1) = 241\}$ , ogf]  
A158131 16.8054 [ $-(x-122)/(x-1)^2$  ogf]  
A158131 23.4790  $-(-61-x+(3721+121*x)^{(1/2)})/(1+x)$  revogf  
A158131 33.6873  $-(-243+x)/(x-1)/(x-122)$  lgdogf  
A158131 9.18433 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 122, a(1) = 243\}$ , ogf]  
A158132 12.6825 [ $-2*(71*x+73)/(x-1)^3$  ogf]  
A158132 24.4413  $-2*(145+71*x)/(71*x+73)/(x-1)$  lgdogf  
A158132 6.07482 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 146, a(1) = 580, a(2) = 1302\}$ , ogf]  
A158133 16.9654 [ $-(x-145)/(x-1)^2$  ogf]  
A158133 19.0812  $-1/2*(-145-2*x+(21025+576*x)^{(1/2)})/(1+x)$  revogf  
A158133 34.0143  $-(-289+x)/(x-1)/(x-145)$  lgdogf  
A158133 9.27179 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 145, a(1) = 289\}$ , ogf]  
A158135 12.6825 [ $-2*(73*x+71)/(x-1)^3$  ogf]  
A158135 24.4413  $-2*(143+73*x)/(73*x+71)/(x-1)$  lgdogf  
A158135 6.07482 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 142, a(1) = 572, a(2) = 1290\}$ , ogf]  
A158136 16.9654 [ $(x+143)/(x-1)^2$  ogf]  
A158136 19.0812  $-1/2*(-143-2*x+(20449+576*x)^{(1/2)})/(x-1)$  revogf  
A158136 35.5604  $-(287+x)/(x+143)/(x-1)$  lgdogf  
A158136 9.27179 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 143, a(1) = 287\}$ , ogf]  
A158137 6.06136 [ $(2*x^7+x^6+2*x^4+4*x^3+2*x-2)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A158138 7.72054  $-(4+16*x+44*x^4+x^8+x^9-2*x^7+26*x^5+8*x^6+37*x^2+45*x^3)/(x-1)/(x+1)/(x^2+x+1)/(x^6-2*x^4+2*x^3+4*x^2+4*x+1)$  lgdogf  
A158138 8.16732 [ $-(x^6-2*x^4+2*x^3+4*x^2+4*x+1)/(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A158186 12.8609 [ $-(18*x^2+x+1)/(x-1)^3$  ogf]  
A158186 22.3523  $-2*(x+2)*(9*x+1)/(x-1)/(18*x^2+x+1)$  lgdogf  
A158186 7.05641 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 27\}$ , ogf]  
A158187 12.9822 [ $-(11*x^2+8*x+1)/(x-1)^3$  ogf]  
A158187 20.7856  $-(-11+38*x+11*x^2)/(x-1)/(11*x^2+8*x+1)$  lgdogf  
A158187 7.06050 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 11, a(2) = 41\}$ , ogf]  
A158196 11.0597  $1/8+1/2*x-2*x^2-1/8*((16*x^2+1)*(-1+4*x)^2)^{(1/2)}$  revogf  
A158197 10.6835  $1/8+1/2*x-25/8*x^2-1/8*((25*x^2+2*x+1)*(5*x-1)^2)^{(1/2)}$  revogf  
A158218 12.8681 [ $-(171*x+167)/(x-1)^3$  ogf]  
A158218 23.2057  $-6*(112+57*x)/(171*x+167)/(x-1)$  lgdogf  
A158218 6.16372 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 167, a(1) = 672, a(2) = 1515\}$ , ogf]  
A158219 17.0454 [ $(x+168)/(x-1)^2$  ogf]  
A158219 23.8209  $-(-84-x+(7056+169*x)^{(1/2)})/(x-1)$  revogf  
A158219 35.7314  $-(337+x)/(x+168)/(x-1)$  lgdogf  
A158219 9.31553 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 168, a(1) = 337\}$ , ogf]  
A158220 12.8681 [ $-(167*x+171)/(x-1)^3$  ogf]  
A158220 22.4805  $-2*(340+167*x)/(167*x+171)/(x-1)$  lgdogf  
A158220 6.16372 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 171, a(1) = 680, a(2) = 1527\}$ , ogf]  
A158221 17.0454 [ $-(x-170)/(x-1)^2$  ogf]  
A158221 23.8209  $-(-85-x+(7225+169*x)^{(1/2)})/(1+x)$  revogf  
A158221 34.1779  $-(-339+x)/(x-1)/(x-170)$  lgdogf  
A158221 9.31553 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 170, a(1) = 339\}$ , ogf]  
A158222 12.9919 [ $-2*(97*x+99)/(x-1)^3$  ogf]  
A158222 25.0493  $-2*(197+97*x)/(97*x+99)/(x-1)$  lgdogf  
A158222 6.22299 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 198, a(1) = 788, a(2) = 1770\}$ , ogf]  
A158223 17.0454 [ $-(x-197)/(x-1)^2$  ogf]

A158223 19.1729  $-1/2*(-197-2*x+(38809+784*x)^{(1/2)})/(1+x)$  revogf  
A158223 34.1779  $-(-393+x)/(x-1)/(x-197)$  lgdogf  
A158223 9.31553  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 197, a(1) = 393}],$  ogf]  
A158224 12.9919  $[ -2*(99*x+97)/(x-1)^3$  ogf]  
A158224 25.9439  $-6*(65+33*x)/(99*x+97)/(x-1)$  lgdogf  
A158224 6.22299  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 194, a(1) = 780, a(2) = 1758}],$  ogf]  
A158225 17.0454  $[ (x+195)/(x-1)^2$  ogf]  
A158225 19.1729  $-1/2*(-195-2*x+(38025+784*x)^{(1/2)})/(x-1)$  revogf  
A158225 35.7314  $-(391+x)/(x+195)/(x-1)$  lgdogf  
A158225 9.31553  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 195, a(1) = 391}],$  ogf]  
A158226 13.1156  $[ -(227*x+223)/(x-1)^3$  ogf]  
A158226 22.9213  $-2*(448+227*x)/(227*x+223)/(x-1)$  lgdogf  
A158226 6.28225  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 223, a(1) = 896, a(2) = 2019}],$  ogf]  
A158227 17.1255  $[ (x+224)/(x-1)^2$  ogf]  
A158227 22.5672  $-(-112-x+(12544+225*x)^{(1/2)})/(x-1)$  revogf  
A158227 35.9024  $-(449+x)/(x+224)/(x-1)$  lgdogf  
A158227 9.35927  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 224, a(1) = 449}],$  ogf]  
A158228 13.1156  $[ -(223*x+227)/(x-1)^3$  ogf]  
A158228 22.9213  $-2*(452+223*x)/(223*x+227)/(x-1)$  lgdogf  
A158228 6.28225  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 227, a(1) = 904, a(2) = 2031}],$  ogf]  
A158229 17.1255  $[ -(x-226)/(x-1)^2$  ogf]  
A158229 22.5672  $-(-113-x+(12769+225*x)^{(1/2)})/(1+x)$  revogf  
A158229 34.3414  $-(-451+x)/(x-1)/(x-226)$  lgdogf  
A158229 9.35927  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 226, a(1) = 451}],$  ogf]  
A158230 13.3012  $[ -2*(127*x+129)/(x-1)^3$  ogf]  
A158230 23.2519  $-2*(257+127*x)/(127*x+129)/(x-1)$  lgdogf  
A158230 6.31806  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 258, a(1) = 1028, a(2) = 2310}],$  ogf]  
A158231 16.3555  $[ -(x-257)/(x-1)^2$  ogf]  
A158231 17.9489  $-1/2*(-257-2*x+(66049+1024*x)^{(1/2)})/(1+x)$  revogf  
A158231 32.7763  $-(-513+x)/(x-1)/(x-257)$  lgdogf  
A158231 8.93848  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 257, a(1) = 513}],$  ogf]  
A158249 13.3012  $[ -2*(129*x+127)/(x-1)^3$  ogf]  
A158249 24.8021  $-6*(85+43*x)/(129*x+127)/(x-1)$  lgdogf  
A158249 6.31806  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 254, a(1) = 1020, a(2) = 2298}],$  ogf]  
A158250 16.3555  $[ (x+255)/(x-1)^2$  ogf]  
A158250 17.9489  $-1/2*(-255-2*x+(65025+1024*x)^{(1/2)})/(x-1)$  revogf  
A158250 34.2661  $-(511+x)/(x+255)/(x-1)$  lgdogf  
A158250 8.93848  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 255, a(1) = 511}],$  ogf]  
A158252 12.8819  $[ -(291*x+287)/(x-1)^3$  ogf]  
A158252 23.2349  $-6*(192+97*x)/(291*x+287)/(x-1)$  lgdogf  
A158252 6.11889  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 287, a(1) = 1152, a(2) = 2595}],$  ogf]  
A158253 16.1683  $[ (x+288)/(x-1)^2$  ogf]  
A158253 21.2901  $-(-144-x+(20736+289*x)^{(1/2)})/(x-1)$  revogf  
A158253 33.8706  $-(577+x)/(x+288)/(x-1)$  lgdogf  
A158253 8.83615  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 288, a(1) = 577}],$  ogf]  
A158254 12.8819  $[ -(287*x+291)/(x-1)^3$  ogf]  
A158254 22.5088  $-2*(580+287*x)/(287*x+291)/(x-1)$  lgdogf  
A158254 6.11889  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 291, a(1) = 1160, a(2) = 2607}],$  ogf]  
A158255 16.1683  $[ -(x-290)/(x-1)^2$  ogf]  
A158255 21.2901  $-(-145-x+(21025+289*x)^{(1/2)})/(1+x)$  revogf  
A158255 32.3980  $-(-579+x)/(x-1)/(x-290)$  lgdogf  
A158255 8.83615  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 290, a(1) = 579}],$  ogf]  
A158266 8.93147  $(16*n^2+80*n+100)*a(n+1)+(-n^2-6*n-9)*a(n+2), a(0)=1, a(1)=9$   
lgdogf

A158271 12.4037 [  $-2*(161*x+163)/(x-1)^3$  ogf]  
A158271 21.6609  $-2*(325+161*x)/(161*x+163)/(x-1)$  lgdogf  
A158271 5.89176 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 326, a(1) = 1300, a(2) = 2922\}$ , ogf]  
A158272 16.4822 [  $-(x-325)/(x-1)^2$  ogf]  
A158272 17.6723  $-1/2*(-325-2*x+(105625+1296*x)^(1/2))/(1+x)$  revogf  
A158272 33.0395  $-(-649+x)/(x-1)/(x-325)$  lgdogf  
A158272 9.00773 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 325, a(1) = 649\}$ , ogf]  
A158289 25.1750 [  $x^{17}-2*x^8+2$  ogf\_with\_Euler\_transform]  
A158289 6.64246 [  $-x*(x^2+x+1)*(x^6+x^3+1)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A158302 15.6887 [  $(2*x^2-2*x-1)/(2*x-1)/(2*x+1)$  ogf]  
A158302 16.7698  $2*(1+4*x^2+2*x)/(2*x+1)/(2*x-1)/(2*x^2-2*x-1)$  lgdogf  
A158302 9.15174 [  $\{a(n+3)-4*a(n+1), a(0) = 1, a(1) = 2, a(2) = 2\}$ , ogf]  
A158305 12.4037 [  $-2*(163*x+161)/(x-1)^3$  ogf]  
A158305 21.6609  $-2*(323+163*x)/(163*x+161)/(x-1)$  lgdogf  
A158305 5.89176 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 322, a(1) = 1292, a(2) = 2910\}$ , ogf]  
A158306 16.4822 [  $(x+323)/(x-1)^2$  ogf]  
A158306 17.6723  $-1/2*(-323-2*x+(104329+1296*x)^(1/2))/(x-1)$  revogf  
A158306 34.5413  $-(647+x)/(x+323)/(x-1)$  lgdogf  
A158306 9.00773 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 323, a(1) = 647\}$ , ogf]  
A158307 12.4645 [  $-(363*x+359)/(x-1)^3$  ogf]  
A158307 21.7692  $-6*(240+121*x)/(363*x+359)/(x-1)$  lgdogf  
A158307 5.92064 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 359, a(1) = 1440, a(2) = 3243\}$ , ogf]  
A158308 16.2132 [  $(x+360)/(x-1)^2$  ogf]  
A158308 21.3533  $-(-180-x+(32400+361*x)^(1/2))/(x-1)$  revogf  
A158308 33.9712  $-(721+x)/(x+360)/(x-1)$  lgdogf  
A158308 8.86070 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 360, a(1) = 721\}$ , ogf]  
A158309 12.4645 [  $-(359*x+363)/(x-1)^3$  ogf]  
A158309 21.7692  $-2*(724+359*x)/(359*x+363)/(x-1)$  lgdogf  
A158309 5.92064 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 363, a(1) = 1448, a(2) = 3255\}$ , ogf]  
A158310 16.2132 [  $-(x-362)/(x-1)^2$  ogf]  
A158310 21.3533  $-(-181-x+(32761+361*x)^(1/2))/(1+x)$  revogf  
A158310 32.4942  $-(-723+x)/(x-1)/(x-362)$  lgdogf  
A158310 8.86070 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 362, a(1) = 723\}$ , ogf]  
A158312 12.5861 [  $-2*(199*x+201)/(x-1)^3$  ogf]  
A158312 21.9858  $-2*(401+199*x)/(199*x+201)/(x-1)$  lgdogf  
A158312 5.97840 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 402, a(1) = 1604, a(2) = 3606\}$ , ogf]  
A158313 15.8661 [  $-(x-401)/(x-1)^2$  ogf]  
A158313 17.0036  $-1/2*(-401-2*x+(160801+1600*x)^(1/2))/(1+x)$  revogf  
A158313 31.7894  $-(-801+x)/(x-1)/(x-401)$  lgdogf  
A158313 8.67100 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 401, a(1) = 801\}$ , ogf]  
A158316 12.5253 [  $-2*(201*x+199)/(x-1)^3$  ogf]  
A158316 22.5832  $-6*(133+67*x)/(201*x+199)/(x-1)$  lgdogf  
A158316 5.94952 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 398, a(1) = 1596, a(2) = 3594\}$ , ogf]  
A158317 15.7887 [  $(x+399)/(x-1)^2$  ogf]  
A158317 16.9190  $-1/2*(-399-2*x+(159201+1600*x)^(1/2))/(x-1)$  revogf  
A158317 33.0690  $-(799+x)/(x+399)/(x-1)$  lgdogf  
A158317 8.62870 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 399, a(1) = 799\}$ , ogf]  
A158319 16.0209 [  $(x+440)/(x-1)^2$  ogf]  
A158319 21.0980  $-(-220-x+(48400+441*x)^(1/2))/(x-1)$  revogf  
A158319 33.5650  $-(881+x)/(x+440)/(x-1)$  lgdogf  
A158319 8.75559 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 440, a(1) = 881\}$ , ogf]  
A158321 12.5861 [  $-(439*x+443)/(x-1)^3$  ogf]  
A158321 21.9858  $-2*(884+439*x)/(439*x+443)/(x-1)$  lgdogf  
A158321 5.97840 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 443, a(1) = 1768, a(2) =$

3975}], ogf]  
A158322 16.0209 [  $-(x-442)/(x-1)^2$  ogf]  
A158322 21.0980  $-(-221-x+(48841+441*x)^{(1/2)})/(1+x)$  revogf  
A158322 32.1057  $-(-883+x)/(x-1)/(x-442)$  lgdogf  
A158322 8.75559 [{ $-a(n+2)+2*a(n+1)-a(n)$ ,  $a(0) = 442$ ,  $a(1) = 883$ }, ogf]  
A158325 12.6469 [  $-2*(241*x+243)/(x-1)^3$  ogf]  
A158325 22.0941  $-2*(485+241*x)/(241*x+243)/(x-1)$  lgdogf  
A158325 6.00728 [{ $a(n+3)-3*a(n+2)+3*a(n+1)-a(n)$ ,  $a(0) = 486$ ,  $a(1) = 1940$ ,  $a(2) = 4362$ }, ogf]  
A158326 15.5961 [  $-(x-485)/(x-1)^2$  ogf]  
A158326 16.7110  $-1/2*(-485-2*x+(235225+1936*x)^{(1/2)})/(1+x)$  revogf  
A158326 31.2423  $-(-969+x)/(x-1)/(x-485)$  lgdogf  
A158326 8.52345 [{ $-a(n+2)+2*a(n+1)-a(n)$ ,  $a(0) = 485$ ,  $a(1) = 969$ }, ogf]  
A158329 12.6469 [  $-2*(243*x+241)/(x-1)^3$  ogf]  
A158329 22.8068  $-6*(161+81*x)/(243*x+241)/(x-1)$  lgdogf  
A158329 6.00728 [{ $a(n+3)-3*a(n+2)+3*a(n+1)-a(n)$ ,  $a(0) = 482$ ,  $a(1) = 1932$ ,  $a(2) = 4350$ }, ogf]  
A158330 15.5961 [  $(x+483)/(x-1)^2$  ogf]  
A158330 16.7110  $-1/2*(-483-2*x+(233289+1936*x)^{(1/2)})/(x-1)$  revogf  
A158330 32.6624  $-(967+x)/(x+483)/(x-1)$  lgdogf  
A158330 8.52345 [{ $-a(n+2)+2*a(n+1)-a(n)$ ,  $a(0) = 483$ ,  $a(1) = 967$ }, ogf]  
A158364 12.7077 [  $-(531*x+527)/(x-1)^3$  ogf]  
A158364 22.2024  $-6*(352+177*x)/(531*x+527)/(x-1)$  lgdogf  
A158364 6.03617 [{ $a(n+3)-3*a(n+2)+3*a(n+1)-a(n)$ ,  $a(0) = 527$ ,  $a(1) = 2112$ ,  $a(2) = 4755$ }, ogf]  
A158365 15.8266 [  $(x+528)/(x-1)^2$  ogf]  
A158365 20.8402  $-(-264-x+(69696+529*x)^{(1/2)})/(x-1)$  revogf  
A158365 31.7133  $-(1057+x)/(x+528)/(x-1)$  lgdogf  
A158365 8.55000 [{ $-a(n+2)+2*a(n+1)-a(n)$ ,  $a(0) = 528$ ,  $a(1) = 1057$ }, ogf]  
A158367 12.7077 [  $-(527*x+531)/(x-1)^3$  ogf]  
A158367 21.5296  $-2*(1060+527*x)/(527*x+531)/(x-1)$  lgdogf  
A158367 6.03617 [{ $a(n+3)-3*a(n+2)+3*a(n+1)-a(n)$ ,  $a(0) = 531$ ,  $a(1) = 2120$ ,  $a(2) = 4767$ }, ogf]  
A158368 15.8266 [  $-(x-530)/(x-1)^2$  ogf]  
A158368 20.8402  $-(-265-x+(70225+529*x)^{(1/2)})/(1+x)$  revogf  
A158368 30.3919  $-(-1059+x)/(x-1)/(x-530)$  lgdogf  
A158368 8.55000 [{ $-a(n+2)+2*a(n+1)-a(n)$ ,  $a(0) = 530$ ,  $a(1) = 1059$ }, ogf]  
A158369 12.7077 [  $-2*(287*x+289)/(x-1)^3$  ogf]  
A158369 22.2024  $-2*(577+287*x)/(287*x+289)/(x-1)$  lgdogf  
A158369 6.03617 [{ $a(n+3)-3*a(n+2)+3*a(n+1)-a(n)$ ,  $a(0) = 578$ ,  $a(1) = 2308$ ,  $a(2) = 5190$ }, ogf]  
A158370 15.9034 [  $-(x-577)/(x-1)^2$  ogf]  
A158370 17.0469  $-1/2*(-577-2*x+(332929+2304*x)^{(1/2)})/(1+x)$  revogf  
A158370 30.5424  $-(-1153+x)/(x-1)/(x-577)$  lgdogf  
A158370 8.59149 [{ $-a(n+2)+2*a(n+1)-a(n)$ ,  $a(0) = 577$ ,  $a(1) = 1153$ }, ogf]  
A158371 12.7077 [  $-2*(289*x+287)/(x-1)^3$  ogf]  
A158371 22.2024  $-2*(575+289*x)/(289*x+287)/(x-1)$  lgdogf  
A158371 6.03617 [{ $a(n+3)-3*a(n+2)+3*a(n+1)-a(n)$ ,  $a(0) = 574$ ,  $a(1) = 2300$ ,  $a(2) = 5178$ }, ogf]  
A158372 15.9034 [  $(x+575)/(x-1)^2$  ogf]  
A158372 17.0469  $-1/2*(-575-2*x+(330625+2304*x)^{(1/2)})/(x-1)$  revogf  
A158372 31.8703  $-(1151+x)/(x+575)/(x-1)$  lgdogf  
A158372 8.59149 [{ $-a(n+2)+2*a(n+1)-a(n)$ ,  $a(0) = 575$ ,  $a(1) = 1151$ }, ogf]  
A158373 12.7685 [  $-(627*x+623)/(x-1)^3$  ogf]  
A158373 22.3107  $-6*(416+209*x)/(627*x+623)/(x-1)$  lgdogf  
A158373 6.06504 [{ $a(n+3)-3*a(n+2)+3*a(n+1)-a(n)$ ,  $a(0) = 623$ ,  $a(1) = 2496$ ,  $a(2) = 5619$ }, ogf]  
A158374 15.9802 [  $(x+624)/(x-1)^2$  ogf]  
A158374 21.0465  $-(-312-x+(97344+625*x)^{(1/2)})/(x-1)$  revogf  
A158374 32.0273  $-(1249+x)/(x+624)/(x-1)$  lgdogf  
A158374 8.63300 [{ $-a(n+2)+2*a(n+1)-a(n)$ ,  $a(0) = 624$ ,  $a(1) = 1249$ }, ogf]

A158375 7.00580 [  $1/(1063x^7+867x^6+676x^5+322x^4+124x^3+36x^2+7x+1)$  ogf]  
A158382 12.8293 [  $-(623x+627)/(x-1)^3$  ogf]  
A158382 21.7396  $-2*(1252+623x)/(623x+627)/(x-1)$  lgdogf  
A158382 6.09392 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 627, a(1) = 2504, a(2) = 5631\}$ , ogf]  
A158383 16.0571 [  $-(x-626)/(x-1)^2$  ogf]  
A158383 21.1497  $-(-313-x+(97969+625x)^{(1/2)})/(1+x)$  revogf  
A158383 30.8433  $-(-1251+x)/(x-1)/(x-626)$  lgdogf  
A158383 8.67451 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 626, a(1) = 1251\}$ , ogf]  
A158385 12.8293 [  $-2*(337x+339)/(x-1)^3$  ogf]  
A158385 22.4190  $-2*(677+337x)/(337x+339)/(x-1)$  lgdogf  
A158385 6.09392 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 678, a(1) = 2708, a(2) = 6090\}$ , ogf]  
A158386 15.5540 [  $-(x-677)/(x-1)^2$  ogf]  
A158386 16.6675  $-1/2*(-677-2x+(458329+2704x)^{(1/2)})/(1+x)$  revogf  
A158386 29.8627  $-(-1353+x)/(x-1)/(x-677)$  lgdogf  
A158386 8.40274 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 677, a(1) = 1353\}$ , ogf]  
A158388 13.7680 [  $\{a(n+2)-a(n+1), a(0) = -1, a(1) = 1\}$ , ogf]  
A158388 26.7917 [  $-(2x-1)/(x-1)$  ogf]  
A158388 30.5416  $-1/4*x+1/4-1/4*(x^2+6x+1)^{(1/2)}$  revogf  
A158388 61.0832  $-1/(2x-1)/(x-1)$  lgdogf  
A158392 12.8293 [  $-2*(339x+337)/(x-1)^3$  ogf]  
A158392 22.4190  $-6*(225+113x)/(339x+337)/(x-1)$  lgdogf  
A158392 6.09392 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 674, a(1) = 2700, a(2) = 6078\}$ , ogf]  
A158393 15.5540 [  $(x+675)/(x-1)^2$  ogf]  
A158393 16.6675  $-1/2*(-675-2x+(455625+2704x)^{(1/2)})/(x-1)$  revogf  
A158393 31.1610  $-(1351+x)/(x+675)/(x-1)$  lgdogf  
A158393 8.40274 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 675, a(1) = 1351\}$ , ogf]  
A158394 12.8901 [  $-(731x+727)/(x-1)^3$  ogf]  
A158394 21.8447  $-2*(1456+731x)/(731x+727)/(x-1)$  lgdogf  
A158394 6.12281 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 727, a(1) = 2912, a(2) = 6555\}$ , ogf]  
A158395 15.6303 [  $(x+728)/(x-1)^2$  ogf]  
A158395 20.0080  $-(-364-x+(132496+729x)^{(1/2)})/(x-1)$  revogf  
A158395 31.3168  $-(1457+x)/(x+728)/(x-1)$  lgdogf  
A158395 8.44393 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 728, a(1) = 1457\}$ , ogf]  
A158396 12.8901 [  $-(727x+731)/(x-1)^3$  ogf]  
A158396 21.8447  $-2*(1460+727x)/(727x+731)/(x-1)$  lgdogf  
A158396 6.12281 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 731, a(1) = 2920, a(2) = 6567\}$ , ogf]  
A158397 15.6303 [  $-(x-730)/(x-1)^2$  ogf]  
A158397 20.0080  $-(-365-x+(133225+729x)^{(1/2)})/(1+x)$  revogf  
A158397 30.0120  $-(-1459+x)/(x-1)/(x-730)$  lgdogf  
A158397 8.44393 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 730, a(1) = 1459\}$ , ogf]  
A158398 12.8901 [  $-2*(393x+391)/(x-1)^3$  ogf]  
A158398 22.5273  $-6*(261+131x)/(393x+391)/(x-1)$  lgdogf  
A158398 6.12281 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 782, a(1) = 3132, a(2) = 7050\}$ , ogf]  
A158399 15.7065 [  $(x+783)/(x-1)^2$  ogf]  
A158399 16.8342  $-1/2*(-783-2x+(613089+3136x)^{(1/2)})/(x-1)$  revogf  
A158399 31.4727  $-(1567+x)/(x+783)/(x-1)$  lgdogf  
A158399 8.48511 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 783, a(1) = 1567\}$ , ogf]  
A158401 12.9509 [  $-(843x+839)/(x-1)^3$  ogf]  
A158401 22.6356  $-6*(560+281x)/(843x+839)/(x-1)$  lgdogf  
A158401 6.15169 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 839, a(1) = 3360, a(2) = 7563\}$ , ogf]  
A158402 15.2048 [  $(x+840)/(x-1)^2$  ogf]  
A158402 19.4557  $-(-420-x+(176400+841x)^{(1/2)})/(x-1)$  revogf  
A158402 30.4523  $-(1681+x)/(x+840)/(x-1)$  lgdogf  
A158402 8.21408 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 840, a(1) = 1681\}$ , ogf]



A158403 12.9509 [  $-(839x+843)/(x-1)^3$  ogf]  
A158403 21.9497  $-2*(1684+839x)/(839x+843)/(x-1)$  lgdogf  
A158403 6.15169 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 843, a(1) = 3368, a(2) = 7575\}$ , ogf]  
A158404 15.2048 [  $-(x-842)/(x-1)^2$  ogf]  
A158404 19.4557  $-(-421-x+(177241+841x)^{1/2})/(1+x)$  revogf  
A158404 29.1835  $-(-1683+x)/(x-1)/(x-842)$  lgdogf  
A158404 8.21408 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 842, a(1) = 1683\}$ , ogf]  
A158406 12.9509 [  $-2*(449x+451)/(x-1)^3$  ogf]  
A158406 22.6356  $-2*(901+449x)/(449x+451)/(x-1)$  lgdogf  
A158406 6.15169 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 902, a(1) = 3604, a(2) = 8106\}$ , ogf]  
A158407 15.2048 [  $-(x-901)/(x-1)^2$  ogf]  
A158407 16.2885  $-1/2*(-901-2x+(811801+3600x)^{1/2})/(1+x)$  revogf  
A158407 29.1835  $-(-1801+x)/(x-1)/(x-901)$  lgdogf  
A158407 8.21408 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 901, a(1) = 1801\}$ , ogf]  
A158408 12.9509 [  $-2*(451x+449)/(x-1)^3$  ogf]  
A158408 22.6356  $-2*(899+451x)/(451x+449)/(x-1)$  lgdogf  
A158408 6.15169 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 898, a(1) = 3596, a(2) = 8094\}$ , ogf]  
A158409 15.2048 [  $(x+899)/(x-1)^2$  ogf]  
A158409 16.2885  $-1/2*(-899-2x+(808201+3600x)^{1/2})/(x-1)$  revogf  
A158409 30.4523  $-(1799+x)/(x+899)/(x-1)$  lgdogf  
A158409 8.21408 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 899, a(1) = 1799\}$ , ogf]  
A158410 12.9509 [  $-(963x+959)/(x-1)^3$  ogf]  
A158410 22.6356  $-6*(640+321x)/(963x+959)/(x-1)$  lgdogf  
A158410 6.15169 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 959, a(1) = 3840, a(2) = 8643\}$ , ogf]  
A158411 16.5173 [  $-x(x+1)(x^2+1)/(x-1)$  ogf]  
A158411 25.7678  $2*(-1-x-x^2+x^3)/(x-1)/(x+1)/(1+x^2)$  lgdogf  
A158411 37.5782 [  $[-x^3+2]$  ogf\_with\_Euler\_transform]  
A158411 6.87215 [  $\{-a(n+3)+2a(n+2)-a(n+1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 4, a(5) = 4\}$ , ogf]  
A158412 15.2804 [  $(x+960)/(x-1)^2$  ogf]  
A158412 19.5544  $-(-480-x+(230400+961x)^{1/2})/(x-1)$  revogf  
A158412 30.6069  $-(-1921+x)/(x+960)/(x-1)$  lgdogf  
A158412 8.25495 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 960, a(1) = 1921\}$ , ogf]  
A158413 12.9509 [  $-(959x+963)/(x-1)^3$  ogf]  
A158413 21.9497  $-2*(1924+959x)/(959x+963)/(x-1)$  lgdogf  
A158413 6.15169 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 963, a(1) = 3848, a(2) = 8655\}$ , ogf]  
A158414 15.2804 [  $-(x-962)/(x-1)^2$  ogf]  
A158414 19.5544  $-(-481-x+(231361+961x)^{1/2})/(1+x)$  revogf  
A158414 29.3316  $-(-1923+x)/(x-1)/(x-962)$  lgdogf  
A158414 8.25495 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 962, a(1) = 1923\}$ , ogf]  
A158416 16.8097 [  $-(x^3-x-1)/(x-1)^2/(x+1)^2$  ogf]  
A158416 26.8640  $-(-1-4x+x^4)/(x-1)/(x+1)/(x^3-x-1)$  lgdogf  
A158420 12.1063 [  $-2*(513x+511)/(x-1)^3$  ogf]  
A158420 21.8917  $-6*(341+171x)/(513x+511)/(x-1)$  lgdogf  
A158420 5.90306 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1022, a(1) = 4092, a(2) = 9210\}$ , ogf]  
A158421 15.1102 [  $(x+1023)/(x-1)^2$  ogf]  
A158421 15.8016  $-1/2*(-1023-2x+(1046529+4096x)^{1/2})/(x-1)$  revogf  
A158421 29.6279  $-(2047+x)/(x+1023)/(x-1)$  lgdogf  
A158421 8.24194 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 1023, a(1) = 2047\}$ , ogf]  
A158443 12.2377 [  $4*(x^2-6x-3)/(x-1)^3$  ogf]  
A158443 22.9158  $-(-15-10x+x^2)/(x-1)/(x^2-6x-3)$  lgdogf  
A158443 6.64634 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 12, a(1) = 60, a(2) = 140\}$ , ogf]  
A158444 12.4946 [  $-4*(x^2+2x+5)/(x-1)^3$  ogf]  
A158444 24.5132  $-(-17+6x+x^2)/(x-1)/(x^2+2x+5)$  lgdogf

A158444 6.67815 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 20, a(1) = 68, a(2) = 148\}$ , ogf]  
A158445 11.8366 [ $-5*(x^2+3x+6)/(x-1)^3$  ogf]  
A158445 23.5857  $-(21+8x+x^2)/(x-1)/(x^2+3x+6)$  lgdogf  
A158445 6.37356 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 30, a(1) = 105, a(2) = 230\}$ , ogf]  
A158446 11.7211 [ $5*(x^2-7x-4)/(x-1)^3$  ogf]  
A158446 21.9358  $-(-19-12x+x^2)/(x-1)/(x^2-7x-4)$  lgdogf  
A158446 6.36578 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 20, a(1) = 95, a(2) = 220\}$ , ogf]  
A158447 12.6599 [ $(x^2-12x-9)/(x-1)^3$  ogf]  
A158447 22.6459  $-(-39-22x+x^2)/(x-1)/(x^2-12x-9)$  lgdogf  
A158447 6.88518 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 9, a(1) = 39, a(2) = 89\}$ , ogf]  
A158450 6.19218 [ $(28x^4-154x^3+134x^2-29x+1)/(32x^4-176x^3+154x^2-33x+1)$  ogf]  
A158453 7.57002  $-(23-150x+32x^2-132x^3+76x^4+133x^5)/(x-1)/(1+2x)/(8x^4-54x^3+73x^2-22x+1)$  lgdogf  
A158453 8.99226 [ $-(2x+1)*(x-1)/(8x^4-54x^3+73x^2-22x+1)$  ogf]  
A158455 15.1802 [ $-(2x-5)/(2x-1)^2$  egf]  
A158455 24.8642  $-2*(-9+2x)/(2x-1)/(2x-5)$  lgdegf  
A158455 3.88131 [ $\{(-2n^2-8n-8)*a(n+1)+(-20n^2-139n-234)*a(n+2)+(10n+30)*a(n+3), a(0) = 5, a(1) = 18, a(2) = 104\}$ , ogf]  
A158459 13.0607 [ $-x*(x^2+2x+3)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A158459 13.7965  $-2*(1+x+x^5+3x^4+6x^3)/(x-1)/(x+1)/(x^2+1)/(x^2+2x+3)$  lgdogf  
A158462 12.0676 [ $6*(x^2-8x-5)/(x-1)^3$  ogf]  
A158462 22.5971  $-(-23-14x+x^2)/(x-1)/(x^2-8x-5)$  lgdogf  
A158462 6.49791 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 30, a(1) = 138, a(2) = 318\}$ , ogf]  
A158463 12.1428 [ $-(11x^2+14x-1)/(x-1)^3$  ogf]  
A158463 19.3296  $-(11+50x+11x^2)/(x-1)/(11x^2+14x-1)$  lgdogf  
A158463 6.71048 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = -1, a(1) = 11, a(2) = 47\}$ , ogf]  
A158478 10.3857 [ $\{-a(n+4)+a(n+2), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3\}$ , ogf]  
A158478 18.6158 [ $-x*(2x^2+2x+1)/(x-1)/(x+1)$  ogf]  
A158478 24.3169  $-2*(1+3x+x^2)/(x-1)/(x+1)/(2x^2+2x+1)$  lgdogf  
A158479 12.0676 [ $-6*(x^2+4x+7)/(x-1)^3$  ogf]  
A158479 28.6810  $-(x+5)^2/(x-1)/(x^2+4x+7)$  lgdogf  
A158479 6.49791 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 42, a(1) = 150, a(2) = 330\}$ , ogf]  
A158480 11.9450 [ $-(x^2+10x+13)/(x-1)^3$  ogf]  
A158480 21.6993  $-(49+22x+x^2)/(x-1)/(x^2+10x+13)$  lgdogf  
A158480 6.48734 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 13, a(1) = 49, a(2) = 109\}$ , ogf]  
A158481 11.8071 [ $-7*(x^2+5x+8)/(x-1)^3$  ogf]  
A158481 22.7939  $-(29+12x+x^2)/(x-1)/(x^2+5x+8)$  lgdogf  
A158481 6.35769 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 56, a(1) = 203, a(2) = 448\}$ , ogf]  
A158482 12.1206 [ $-(x^2+12x+15)/(x-1)^3$  ogf]  
A158482 22.0248  $-(57+26x+x^2)/(x-1)/(x^2+12x+15)$  lgdogf  
A158482 6.58274 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 15, a(1) = 57, a(2) = 127\}$ , ogf]  
A158484 11.8071 [ $7*(x^2-9x-6)/(x-1)^3$  ogf]  
A158484 22.1032  $-(-27-16x+x^2)/(x-1)/(x^2-9x-6)$  lgdogf  
A158484 6.35769 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 42, a(1) = 189, a(2) = 434\}$ , ogf]  
A158485 12.1206 [ $(x^2-16x-13)/(x-1)^3$  ogf]  
A158485 21.3955  $-(-55-30x+x^2)/(x-1)/(x^2-16x-13)$  lgdogf  
A158485 6.58274 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 13, a(1) = 55, a(2) = 125\}$ , ogf]  
A158487 11.5469 [ $8*(x^2-10x-7)/(x-1)^3$  ogf]

A158487 20.9741  $-( -31-18*x+x^2)/(x-1)/(x^2-10*x-7)$  lgdogf  
A158487 6.21756  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 56, a(1) = 248, a(2) = 568\},$  ogf]  
A158488 11.5469  $[ -8*(x+3)^2/(x-1)^3$  ogf]  
A158488 37.5327  $-(11+x)/(x+3)/(x-1)$  lgdogf  
A158488 6.21756  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 72, a(1) = 264, a(2) = 584\},$  ogf]  
A158490 11.5775  $[ 10*(x^2-12*x-9)/(x-1)^3$  ogf]  
A158490 21.7119  $-( -39-22*x+x^2)/(x-1)/(x^2-12*x-9)$  lgdogf  
A158490 6.43196  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 90, a(1) = 390, a(2) = 890\},$  ogf]  
A158491 11.9793  $[ (x^2-22*x-19)/(x-1)^3$  ogf]  
A158491 21.1440  $-( -79-42*x+x^2)/(x-1)/(x^2-22*x-19)$  lgdogf  
A158491 6.50597  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 19, a(1) = 79, a(2) = 179\},$  ogf]  
A158492 11.4673  $[ -10*(11*x^2+8*x+1)/(x-1)^3$  ogf]  
A158492 19.2378  $-(11+38*x+11*x^2)/(x-1)/(11*x^2+8*x+1)$  lgdogf  
A158492 6.37070  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 10, a(1) = 110, a(2) = 410\},$  ogf]  
A158493 12.1792  $[ -(21*x^2+18*x+1)/(x-1)^3$  ogf]  
A158493 19.2957  $-3*(7+26*x+7*x^2)/(x-1)/(21*x^2+18*x+1)$  lgdogf  
A158493 6.73059  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 21, a(2) = 81\},$  ogf]  
A158494 4.79005  $[ \{a(n+5)-6*a(n+4)+11*a(n+3)-6*a(n+2), a(0) = 4, a(1) = 24, a(2) = 80, a(3) = 248, a(4) = 768\},$  ogf]  
A158494 6.70922  $2*(-3+16*x-27*x^2+4*x^3+40*x^4-44*x^5+12*x^6)/(x-1)/(-1+3*x)/(2*x-1)/(4*x^4+2*x^3-5*x^2+1)$  lgdogf  
A158494 9.51708  $[ -4*(4*x^4+2*x^3-5*x^2+1)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A158496 13.0567  $[ (x^2-4*x+1)/(x^2+1)^2$  ogf]  
A158496 22.9045  $-2*(2+x-6*x^2+x^3)/(1+x^2)/(x^2-4*x+1)$  lgdogf  
A158498 15.7620  $-(2-4*x+11*x^2+3*x^3)/(x-1)/(3*x^3+x^2-2*x+1)$  lgdogf  
A158498 3.75205  $[ \{ (161*n^2+877*n+1110)*a(n+1)+(-304*n^2-1244*n-684)*a(n+2)+(143*n^2+421*n-24)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 3\},$  ogf]  
A158498 9.40449  $[ (3*x^3+x^2-2*x+1)/(x-1)^4$  ogf]  
A158499 4.02976  $[ \{ (-8*n-12)*a(n+1)+(6*n+12)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 1\},$  ogf]  
A158500 8.26293  $-1/2*(-1-6*x-16*x^2+(1+4*x)^(1/2)+2*(1+4*x)^(1/2)*x)/(1+2*x)/(1+4*x)/x$  lgdogf  
A158501 6.31486  $[ -(x^5+9*x^4-2*x^3+22*x^2+x+1)/(x-1)^3/(x+1)^4$  ogf]  
A158501 8.70931  $-2*x*(25-11*x+74*x^2-6*x^3+13*x^4+x^5)/(x-1)/(x+1)/(x^5+9*x^4-2*x^3+22*x^2+x+1)$  lgdogf  
A158513 5.66130  $[ \{ (2*n+4)*a(n+1)+a(n+3)-10*a(n+2), a(0) = 1, a(1) = 10, a(2) = 98\},$  ogf]  
A158513 56.8310  $-10+2*x+f(x)$  lgdegf  
A158515 15.4342  $[ -x*(2*x^3+2*x^2+2*x+1)/(x-1)/(x+1)$  ogf]  
A158515 17.8392  $2*(-1-3*x+x^4-4*x^2)/(x-1)/(x+1)/(2*x^3+2*x^2+2*x+1)$  lgdogf  
A158515 8.79892  $[ \{a(n+5)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 4\},$  ogf]  
A158516 5.72135  $[ \{ (2*n+4)*a(n+1)+a(n+3)-12*a(n+2), a(0) = 1, a(1) = 12, a(2) = 142\},$  ogf]  
A158516 57.1685  $-12+2*x+f(x)$  lgdegf  
A158525 10.6994  $-(67-208*x+232*x^2-112*x^3+20*x^4)/(x-1)/(2*x^2-4*x+1)/(10*x^2-28*x+19)$  lgdogf  
A158525 12.0708  $[ -2*(10*x^2-28*x+19)/(x-1)/(2*x^2-4*x+1)$  ogf]  
A158525 6.60283  $[ \{a(n+3)-5*a(n+2)+6*a(n+1)-2*a(n), a(0) = 38, a(1) = 134, a(2) = 462\},$  ogf]  
A158527 3.41618  $[ -(139*x^6+4746*x^5+29445*x^4+52300*x^3+29445*x^2+4746*x+139)/(x-1)^9$  ogf]  
A158530 120.328  $14-2*x$  lgdegf  
A158530 6.01602  $[ \{ (2*n+4)*a(n+1)+a(n+3)-14*a(n+2), a(0) = 1, a(1) = 14, a(2) = 194\},$  ogf]

A158531 5.64753 [ $\{(2*n+4)*a(n+1)+a(n+3)-16*a(n+2), a(0) = 1, a(1) = 16, a(2) = 254\}$ , ogf]  
A158531 56.4351  $-16+2*x+f(x)$  lgdegf  
A158532 5.21214 [ $\{(2*n+4)*a(n+1)+a(n+3)-18*a(n+2), a(0) = 1, a(1) = 18, a(2) = 322\}$ , ogf]  
A158532 52.0267  $-18+2*x+f(x)$  lgdegf  
A158534 41.3578  $-20+2*x+f(x)$  lgdegf  
A158534 5.40167 [ $\{(2*n+4)*a(n+1)+a(n+3)-20*a(n+2), a(0) = 1, a(1) = 20, a(2) = 398\}$ , ogf]  
A158535 42.5130  $-22+2*x+f(x)$  lgdegf  
A158535 5.56752 [ $\{(2*n+4)*a(n+1)+a(n+3)-22*a(n+2), a(0) = 1, a(1) = 22, a(2) = 482\}$ , ogf]  
A158536 11.2130 [ $-11*(12*x^2+9*x+1)/(x-1)^3$  ogf]  
A158536 19.3142  $-6*(2+7*x+2*x^2)/(x-1)/(12*x^2+9*x+1)$  lgdogf  
A158536 6.22946 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 11, a(1) = 132, a(2) = 495\}$ , ogf]  
A158537 11.8630 [ $-(23*x^2+20*x+1)/(x-1)^3$  ogf]  
A158537 18.7875  $-(23+86*x+23*x^2)/(x-1)/(23*x^2+20*x+1)$  lgdogf  
A158537 6.55584 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 23, a(2) = 89\}$ , ogf]  
A158538 43.4372  $-24+2*x+f(x)$  lgdegf  
A158538 5.68598 [ $\{(2*n+4)*a(n+1)+a(n+3)-24*a(n+2), a(0) = 1, a(1) = 24, a(2) = 574\}$ , ogf]  
A158539 10.7928 [ $11*(x^2-13*x-10)/(x-1)^3$  ogf]  
A158539 19.9491  $-(-43-24*x+x^2)/(x-1)/(x^2-13*x-10)$  lgdogf  
A158539 5.98592 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 110, a(1) = 473, a(2) = 1078\}$ , ogf]  
A158540 11.6634 [ $(x^2-24*x-21)/(x-1)^3$  ogf]  
A158540 20.5784  $-(-87-46*x+x^2)/(x-1)/(x^2-24*x-21)$  lgdogf  
A158540 6.33442 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 21, a(1) = 87, a(2) = 197\}$ , ogf]  
A158542 44.5925  $-26+2*x+f(x)$  lgdegf  
A158542 5.82812 [ $\{(2*n+4)*a(n+1)+a(n+3)-26*a(n+2), a(0) = 1, a(1) = 26, a(2) = 674\}$ , ogf]  
A158543 10.9531 [ $12*(x^2-14*x-11)/(x-1)^3$  ogf]  
A158543 20.2514  $-(-47-26*x+x^2)/(x-1)/(x^2-14*x-11)$  lgdogf  
A158543 6.07482 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 132, a(1) = 564, a(2) = 1284\}$ , ogf]  
A158544 11.7211 [ $(x^2-26*x-23)/(x-1)^3$  ogf]  
A158544 20.6823  $-(-95-50*x+x^2)/(x-1)/(x^2-26*x-23)$  lgdogf  
A158544 6.36578 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 23, a(1) = 95, a(2) = 215\}$ , ogf]  
A158545 45.2856  $-28+2*x+f(x)$  lgdegf  
A158545 5.22518 [ $\{(2*n+4)*a(n+1)+a(n+3)-28*a(n+2), a(0) = 1, a(1) = 28, a(2) = 782\}$ , ogf]  
A158546 11.2047 [ $-12*(13*x^2+10*x+1)/(x-1)^3$  ogf]  
A158546 18.5972  $-(13+46*x+13*x^2)/(x-1)/(13*x^2+10*x+1)$  lgdogf  
A158546 6.32062 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 12, a(1) = 156, a(2) = 588\}$ , ogf]  
A158547 11.9211 [ $-(25*x^2+22*x+1)/(x-1)^3$  ogf]  
A158547 18.8814  $-(25+94*x+25*x^2)/(x-1)/(25*x^2+22*x+1)$  lgdogf  
A158547 6.58798 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 25, a(2) = 97\}$ , ogf]  
A158548 11.3663 [ $-13*(14*x^2+11*x+1)/(x-1)^3$  ogf]  
A158548 18.8707  $-2*(7+25*x+7*x^2)/(x-1)/(14*x^2+11*x+1)$  lgdogf  
A158548 6.41179 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 13, a(1) = 182, a(2) = 689\}$ , ogf]  
A158549 12.0374 [ $-(27*x^2+24*x+1)/(x-1)^3$  ogf]  
A158549 19.0693  $-3*(9+34*x+9*x^2)/(x-1)/(27*x^2+24*x+1)$  lgdogf  
A158549 6.59441 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 27, a(2) = 105\}$ , ogf]

A158550 11.1134 [  $13*(x^2-15*x-12)/(x-1)^3$  ogf]  
A158550 20.5536  $-(-51-28*x+x^2)/(x-1)/(x^2-15*x-12)$  lgdogf  
A158550 6.16372 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 156, a(1) = 663, a(2) = 1508\}$ , ogf]  
A158551 11.8366 [  $(x^2-28*x-25)/(x-1)^3$  ogf]  
A158551 20.3099  $-(-103-54*x+x^2)/(x-1)/(x^2-28*x-25)$  lgdogf  
A158551 6.37356 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 25, a(1) = 103, a(2) = 233\}$ , ogf]  
A158552 12.4973 [  $-(x^2+4*x+5)/(x-1)/(x+1)^2$  ogf]  
A158552 19.8682  $-(-1+13*x+7*x^2+x^3)/(x-1)/(x+1)/(x^2+4*x+5)$  lgdogf  
A158552 6.80657 [  $\{a(n+3)+a(n+2)-a(n+1)-a(n), a(0) = 5, a(1) = -1, a(2) = 7\}$ , ogf]  
A158553 11.2202 [  $14*(x^2-16*x-13)/(x-1)^3$  ogf]  
A158553 20.7551  $-(-55-30*x+x^2)/(x-1)/(x^2-16*x-13)$  lgdogf  
A158553 6.22299 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 182, a(1) = 770, a(2) = 1750\}$ , ogf]  
A158554 11.9521 [  $(x^2-30*x-27)/(x-1)^3$  ogf]  
A158554 20.5120  $-(-111-58*x+x^2)/(x-1)/(x^2-30*x-27)$  lgdogf  
A158554 6.43574 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 27, a(1) = 111, a(2) = 251\}$ , ogf]  
A158555 11.4741 [  $-14*(15*x^2+12*x+1)/(x-1)^3$  ogf]  
A158555 19.0530  $-3*(5+18*x+5*x^2)/(x-1)/(15*x^2+12*x+1)$  lgdogf  
A158555 6.47256 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 14, a(1) = 210, a(2) = 798\}$ , ogf]  
A158556 12.1537 [  $-(29*x^2+26*x+1)/(x-1)^3$  ogf]  
A158556 18.7757  $-(29+110*x+29*x^2)/(x-1)/(29*x^2+26*x+1)$  lgdogf  
A158556 6.65812 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 29, a(2) = 113\}$ , ogf]  
A158557 11.5818 [  $-15*(16*x^2+13*x+1)/(x-1)^3$  ogf]  
A158557 19.2354  $-2*(8+29*x+8*x^2)/(x-1)/(16*x^2+13*x+1)$  lgdogf  
A158557 6.53333 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 15, a(1) = 240, a(2) = 915\}$ , ogf]  
A158558 12.1537 [  $-(31*x^2+28*x+1)/(x-1)^3$  ogf]  
A158558 18.7757  $-(31+118*x+31*x^2)/(x-1)/(31*x^2+28*x+1)$  lgdogf  
A158558 6.65812 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 31, a(2) = 121\}$ , ogf]  
A158559 11.3271 [  $15*(x^2-17*x-14)/(x-1)^3$  ogf]  
A158559 20.9567  $-(-59-32*x+x^2)/(x-1)/(x^2-17*x-14)$  lgdogf  
A158559 6.28225 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 210, a(1) = 885, a(2) = 2010\}$ , ogf]  
A158560 11.9521 [  $(x^2-32*x-29)/(x-1)^3$  ogf]  
A158560 20.5120  $-(-119-62*x+x^2)/(x-1)/(x^2-32*x-29)$  lgdogf  
A158560 6.43574 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 29, a(1) = 119, a(2) = 269\}$ , ogf]  
A158561 13.5312 [  $(-3+8*x)*(x-1)/(4*x-1)/(2*x-1)$  ogf]  
A158561 5.18062  $(7-32*x+40*x^2)/(-1+x)/(4*x-1)/(2*x-1)/(8*x-3)$  lgdogf  
A158561 7.09404 [  $\{a(n+3)-6*a(n+2)+8*a(n+1), a(0) = 3, a(1) = 7, a(2) = 26\}$ , ogf]  
A158562 11.4874 [  $16*(x^2-18*x-15)/(x-1)^3$  ogf]  
A158562 21.2589  $-(-63-34*x+x^2)/(x-1)/(x^2-18*x-15)$  lgdogf  
A158562 6.31806 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 240, a(1) = 1008, a(2) = 2288\}$ , ogf]  
A158563 12.0098 [  $(x^2-34*x-31)/(x-1)^3$  ogf]  
A158563 20.6130  $-(-127-66*x+x^2)/(x-1)/(x^2-34*x-31)$  lgdogf  
A158563 6.46683 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 31, a(1) = 127, a(2) = 287\}$ , ogf]  
A158570 11.1381 [  $-(x^7+5*x^6+2*x^5+x^4+x^3+4*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A158574 11.7434 [  $-16*(17*x^2+14*x+1)/(x-1)^3$  ogf]  
A158574 19.5088  $-(17+62*x+17*x^2)/(x-1)/(17*x^2+14*x+1)$  lgdogf  
A158574 6.56836 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 16, a(1) = 272, a(2) = 1040\}$ , ogf]

A158575 12.2119 [  $-(33x^2+30x+1)/(x-1)^3$  ogf]  
A158575 18.4072  $-3*(11+42x+11x^2)/(x-1)/(33x^2+30x+1)$  lgdogf  
A158575 6.68998 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 33, a(2) = 129\}$ , ogf]  
A158580 4.63613 [  $\{(2n+4)a(n+1)+a(n+3)-30a(n+2), a(0) = 1, a(1) = 30, a(2) = 898\}$ , ogf]  
A158580 46.2098  $-30+2x+f(x)$  lgdegf  
A158585 11.3805 [  $-17*(18x^2+15x+1)/(x-1)^3$  ogf]  
A158585 18.8977  $-6*(3+11x+3x^2)/(x-1)/(18x^2+15x+1)$  lgdogf  
A158585 6.36538 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 17, a(1) = 306, a(2) = 1173\}$ , ogf]  
A158586 12.2119 [  $-(35x^2+32x+1)/(x-1)^3$  ogf]  
A158586 18.8673  $-(35+134x+35x^2)/(x-1)/(35x^2+32x+1)$  lgdogf  
A158586 6.68998 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 35, a(2) = 137\}$ , ogf]  
A158587 11.1253 [  $17*(x^2-19x-16)/(x-1)^3$  ogf]  
A158587 20.5795  $-(-67-36x+x^2)/(x-1)/(x^2-19x-16)$  lgdogf  
A158587 6.11889 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 272, a(1) = 1139, a(2) = 2584\}$ , ogf]  
A158588 12.0098 [  $(x^2-36x-33)/(x-1)^3$  ogf]  
A158588 20.6130  $-(-135-70x+x^2)/(x-1)/(x^2-36x-33)$  lgdogf  
A158588 6.46683 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 33, a(1) = 135, a(2) = 305\}$ , ogf]  
A158589 10.7123 [  $18*(x^2-20x-17)/(x-1)^3$  ogf]  
A158589 19.8042  $-(-71-38x+x^2)/(x-1)/(x^2-20x-17)$  lgdogf  
A158589 5.89176 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 306, a(1) = 1278, a(2) = 2898\}$ , ogf]  
A158590 10.9663 [  $-18*(19x^2+16x+1)/(x-1)^3$  ogf]  
A158590 18.1998  $-(-19+70x+19x^2)/(x-1)/(19x^2+16x+1)$  lgdogf  
A158590 6.13371 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 18, a(1) = 342, a(2) = 1314\}$ , ogf]  
A158591 12.2700 [  $-(37x^2+34x+1)/(x-1)^3$  ogf]  
A158591 18.9589  $-(37+142x+37x^2)/(x-1)/(37x^2+34x+1)$  lgdogf  
A158591 6.72183 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 37, a(2) = 145\}$ , ogf]  
A158592 11.0193 [  $-19*(20x^2+17x+1)/(x-1)^3$  ogf]  
A158592 17.3973  $-2*(10+37x+10x^2)/(x-1)/(20x^2+17x+1)$  lgdogf  
A158592 6.16334 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 19, a(1) = 380, a(2) = 1463\}$ , ogf]  
A158593 12.2700 [  $-(39x^2+36x+1)/(x-1)^3$  ogf]  
A158593 18.4965  $-3*(13+50x+13x^2)/(x-1)/(39x^2+36x+1)$  lgdogf  
A158593 6.72183 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 39, a(2) = 153\}$ , ogf]  
A158595 10.7648 [  $19*(x^2-21x-18)/(x-1)^3$  ogf]  
A158595 19.9032  $-(-75-40x+x^2)/(x-1)/(x^2-21x-18)$  lgdogf  
A158595 5.92064 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 342, a(1) = 1425, a(2) = 3230\}$ , ogf]  
A158596 12.0676 [  $(x^2-40x-37)/(x-1)^3$  ogf]  
A158596 20.7141  $-(-151-78x+x^2)/(x-1)/(x^2-40x-37)$  lgdogf  
A158596 6.49791 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 37, a(1) = 151, a(2) = 341\}$ , ogf]  
A158597 10.8173 [  $20*(x^2-22x-19)/(x-1)^3$  ogf]  
A158597 20.0023  $-(-79-42x+x^2)/(x-1)/(x^2-22x-19)$  lgdogf  
A158597 5.94952 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 380, a(1) = 1580, a(2) = 3580\}$ , ogf]  
A158598 11.6925 [  $(x^2-42x-39)/(x-1)^3$  ogf]  
A158598 20.0607  $-(-159-82x+x^2)/(x-1)/(x^2-42x-39)$  lgdogf  
A158598 6.29597 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 39, a(1) = 159, a(2) = 359\}$ , ogf]  
A158601 11.1253 [  $-20*(21x^2+18x+1)/(x-1)^3$  ogf]  
A158601 18.4687  $-3*(7+26x+7x^2)/(x-1)/(21x^2+18x+1)$  lgdogf

A158601 6.22260 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 20, a(1) = 420, a(2) = 1620\}$ , ogf]  
A158602 11.9521 [  $-(41x^2+38x+1)/(x-1)^3$  ogf]  
A158602 18.4608  $-(41+158x+41x^2)/(x-1)/(41x^2+38x+1)$  lgdogf  
A158602 6.54766 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 41, a(2) = 161\}$ , ogf]  
A158603 11.1253 [  $-21*(22x^2+19x+1)/(x-1)^3$  ogf]  
A158603 17.5678  $-2*(11+41x+11x^2)/(x-1)/(22x^2+19x+1)$  lgdogf  
A158603 6.22260 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 21, a(1) = 462, a(2) = 1785\}$ , ogf]  
A158604 11.9521 [  $-(43x^2+40x+1)/(x-1)^3$  ogf]  
A158604 18.4608  $-(43+166x+43x^2)/(x-1)/(43x^2+40x+1)$  lgdogf  
A158604 6.54766 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 43, a(2) = 169\}$ , ogf]  
A158607 12.7537 [  $-(7x^4+5x^3+13x^2+11x+9)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A158607 7.60880  $-(11+26x+10x^2+7x^3+15x^4+28x^5+45x^6+44x^7+39x^8)/(x-1)/(x^4+x^3+x^2+x+1)/(7x^4+5x^3+13x^2+11x+9)$  lgdogf  
A158608 13.8370 [  $-(3x+1)/(16x^2+x-1)$  ogf]  
A158608 15.2186  $1/2/(3+16x)*(-1-x+(1+14x+65x^2)^{1/2})$  revogf  
A158608 15.9990  $-4*(2x+1)*(6x+1)/(3x+1)/(16x^2+x-1)$  lgdogf  
A158608 7.66872 [ $\{-a(n+2)+a(n+1)+16a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A158609 12.4178 [  $-(8x+1)/(81x^2+x-1)$  ogf]  
A158609 13.3201  $1/2/(8+81x)*(-1-x+(1+34x+325x^2)^{1/2})$  revogf  
A158609 13.9861  $-9*(6x+1)*(12x+1)/(8x+1)/(81x^2+x-1)$  lgdogf  
A158609 6.88218 [ $\{-a(n+2)+a(n+1)+81a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A158610 11.5099 [  $-(15x+1)/(256x^2+x-1)$  ogf]  
A158610 12.0254  $1/2/(15+256x)*(-1-x+(1+62x+1025x^2)^{1/2})$  revogf  
A158610 12.2987  $-16*(12x+1)*(20x+1)/(15x+1)/(256x^2+x-1)$  lgdogf  
A158610 6.49972 [ $\{-a(n+2)+a(n+1)+256a(n), a(0) = 1, a(1) = 16\}$ , ogf]  
A158617 4.73369 [ $\{(2n+4)a(n+1)+a(n+3)-32a(n+2), a(0) = 1, a(1) = 32, a(2) = 1022\}$ , ogf]  
A158617 47.5961  $-32+2x+f(x)$  lgdegf  
A158620 4.14912 [ $\{(-n^3-12n^2-48n-63)a(n+1)+a(n+2), a(0) = 7, a(1) = 182\}$ , ogf]  
A158621 4.17192 [ $\{(-n^3-12n^2-48n-65)a(n+1)+a(n+2), a(0) = 9, a(1) = 252\}$ , ogf]  
A158622 6.60647  $-(13+14x+x^{10}+2x^9+3x^8+27x^6+66x^5+39x^4+93x^2+120x^3)/(x-1)/(x+x^2+1)/(x^8+x^7+x^6-2x^5+4x^4+10x^3+7x^2+13x+7)$  lgdogf  
A158622 7.31838 [  $-(x^8+x^7+x^6-2x^5+4x^4+10x^3+7x^2+13x+7)/(x-1)^3/(x^2+x+1)^3$  ogf]  
A158623 5.42260 [ $\{(n^2+13n+42)a(n+1)+(-n^2-7n-12)a(n+4), a(0) = 9, a(1) = 18, a(2) = 10, a(3) = 45\}$ , ogf]  
A158623 7.38725  $-(18+20x+108x^2+45x^3+180x^4+60x^5+135x^6+x^{10})/(x-1)/(x^2+x+1)/(x^8-2x^5+9x^4+18x^3+10x^2+18x+9)$  lgdogf  
A158623 8.13390 [  $-(x^8-2x^5+9x^4+18x^3+10x^2+18x+9)/(x-1)^3/(x^2+x+1)^3$  ogf]  
A158626 11.7498 [  $(x^2-44x-41)/(x-1)^3$  ogf]  
A158626 20.1610  $-(-167-86x+x^2)/(x-1)/(x^2-44x-41)$  lgdogf  
A158626 6.32683 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 41, a(1) = 167, a(2) = 377\}$ , ogf]  
A158627 10.9223 [  $22*(x^2-24x-21)/(x-1)^3$  ogf]  
A158627 20.2003  $-(-87-46x+x^2)/(x-1)/(x^2-24x-21)$  lgdogf  
A158627 6.00728 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 462, a(1) = 1914, a(2) = 4334\}$ , ogf]  
A158628 11.7498 [  $(x^2-46x-43)/(x-1)^3$  ogf]  
A158628 20.1610  $-(-175-90x+x^2)/(x-1)/(x^2-46x-43)$  lgdogf  
A158628 6.32683 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 43, a(1) = 175, a(2) = 395\}$ , ogf]  
A158629 11.1782 [  $-22*(23x^2+20x+1)/(x-1)^3$  ogf]  
A158629 18.5584  $-(23+86x+23x^2)/(x-1)/(23x^2+20x+1)$  lgdogf  
A158629 6.25224 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 22, a(1) = 506, a(2) =$

1958}], ogf]  
A158630 11.9521 [  $-(45x^2+42x+1)/(x-1)^3$  ogf]  
A158630 18.0105  $-3*(15+58x+15x^2)/(x-1)/(45x^2+42x+1)$  lgdogf  
A158630 6.54766 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 45, a(2) = 177\}$ , ogf]  
A158631 11.2312 [  $-23*(24x^2+21x+1)/(x-1)^3$  ogf]  
A158631 18.6481  $-6*(4+15x+4x^2)/(x-1)/(24x^2+21x+1)$  lgdogf  
A158631 6.28186 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 23, a(1) = 552, a(2) = 2139\}$ , ogf]  
A158632 12.0098 [  $-(47x^2+44x+1)/(x-1)^3$  ogf]  
A158632 18.5517  $-(47+182x+47x^2)/(x-1)/(47x^2+44x+1)$  lgdogf  
A158632 6.57930 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 47, a(2) = 185\}$ , ogf]  
A158633 10.9748 [  $23*(x^2-25x-22)/(x-1)^3$  ogf]  
A158633 20.2993  $-(-91-48x+x^2)/(x-1)/(x^2-25x-22)$  lgdogf  
A158633 6.03617 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 506, a(1) = 2093, a(2) = 4738\}$ , ogf]  
A158634 11.8071 [  $(x^2-48x-45)/(x-1)^3$  ogf]  
A158634 20.2613  $-(-183-94x+x^2)/(x-1)/(x^2-48x-45)$  lgdogf  
A158634 6.35769 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 45, a(1) = 183, a(2) = 413\}$ , ogf]  
A158636 10.9748 [  $24*(x^2-26x-23)/(x-1)^3$  ogf]  
A158636 20.2993  $-(-95-50x+x^2)/(x-1)/(x^2-26x-23)$  lgdogf  
A158636 6.03617 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 552, a(1) = 2280, a(2) = 5160\}$ , ogf]  
A158637 11.2312 [  $-24*(25x^2+22x+1)/(x-1)^3$  ogf]  
A158637 18.6481  $-(25+94x+25x^2)/(x-1)/(25x^2+22x+1)$  lgdogf  
A158637 6.28186 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 24, a(1) = 600, a(2) = 2328\}$ , ogf]  
A158638 12.0098 [  $-(49x^2+46x+1)/(x-1)^3$  ogf]  
A158638 18.5517  $-(49+190x+49x^2)/(x-1)/(49x^2+46x+1)$  lgdogf  
A158638 6.57930 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 49, a(2) = 193\}$ , ogf]  
A158639 11.0799 [  $26*(x^2-28x-25)/(x-1)^3$  ogf]  
A158639 19.9280  $-(-103-54x+x^2)/(x-1)/(x^2-28x-25)$  lgdogf  
A158639 6.09392 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 650, a(1) = 2678, a(2) = 6058\}$ , ogf]  
A158640 11.4331 [  $(x^2-54x-51)/(x-1)^3$  ogf]  
A158640 19.0798  $-(-207-106x+x^2)/(x-1)/(x^2-54x-51)$  lgdogf  
A158640 6.15631 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 51, a(1) = 207, a(2) = 467\}$ , ogf]  
A158643 11.3372 [  $-26*(27x^2+24x+1)/(x-1)^3$  ogf]  
A158643 18.8274  $-3*(9+34x+9x^2)/(x-1)/(27x^2+24x+1)$  lgdogf  
A158643 6.34113 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 26, a(1) = 702, a(2) = 2730\}$ , ogf]  
A158644 11.6352 [  $-(53x^2+50x+1)/(x-1)^3$  ogf]  
A158644 17.9643  $-(53+206x+53x^2)/(x-1)/(53x^2+50x+1)$  lgdogf  
A158644 6.37406 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 53, a(2) = 209\}$ , ogf]  
A158645 11.3902 [  $-27*(28x^2+25x+1)/(x-1)^3$  ogf]  
A158645 18.4441  $-2*(2x+7)*(7x+2)/(x-1)/(28x^2+25x+1)$  lgdogf  
A158645 6.37076 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 27, a(1) = 756, a(2) = 2943\}$ , ogf]  
A158646 11.6352 [  $-(55x^2+52x+1)/(x-1)^3$  ogf]  
A158646 17.9643  $-(55+214x+55x^2)/(x-1)/(55x^2+52x+1)$  lgdogf  
A158646 6.37406 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 55, a(2) = 217\}$ , ogf]  
A158655 11.1324 [  $27*(x^2-29x-26)/(x-1)^3$  ogf]  
A158655 20.0243  $-(-107-56x+x^2)/(x-1)/(x^2-29x-26)$  lgdogf  
A158655 6.12281 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 702, a(1) = 2889, a(2) = 6534\}$ , ogf]



A158656 11.4331 [  $(x^2-56x-53)/(x-1)^3$  ogf]  
A158656 19.0798  $-(-215-110x+x^2)/(x-1)/(x^2-56x-53)$  lgdogf  
A158656 6.15631 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 53, a(1) = 215, a(2) = 485\}$ , ogf]  
A158657 11.1324 [  $28(x^2-30x-27)/(x-1)^3$  ogf]  
A158657 20.0243  $-(-111-58x+x^2)/(x-1)/(x^2-30x-27)$  lgdogf  
A158657 6.12281 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 756, a(1) = 3108, a(2) = 7028\}$ , ogf]  
A158658 11.4331 [  $(x^2-58x-55)/(x-1)^3$  ogf]  
A158658 19.0798  $-(-223-114x+x^2)/(x-1)/(x^2-58x-55)$  lgdogf  
A158658 6.15631 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 55, a(1) = 223, a(2) = 503\}$ , ogf]  
A158659 11.3902 [  $-28(29x^2+26x+1)/(x-1)^3$  ogf]  
A158659 18.4441  $-(29+110x+29x^2)/(x-1)/(29x^2+26x+1)$  lgdogf  
A158659 6.37076 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 28, a(1) = 812, a(2) = 3164\}$ , ogf]  
A158660 11.6352 [  $-(57x^2+54x+1)/(x-1)^3$  ogf]  
A158660 17.5262  $-3(19+74x+19x^2)/(x-1)/(57x^2+54x+1)$  lgdogf  
A158660 6.37406 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 57, a(2) = 225\}$ , ogf]  
A158665 11.4431 [  $-29(30x^2+27x+1)/(x-1)^3$  ogf]  
A158665 19.0067  $-6(5+19x+5x^2)/(x-1)/(30x^2+27x+1)$  lgdogf  
A158665 6.40039 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 29, a(1) = 870, a(2) = 3393\}$ , ogf]  
A158666 11.6352 [  $-(59x^2+56x+1)/(x-1)^3$  ogf]  
A158666 17.9643  $-(59+230x+59x^2)/(x-1)/(59x^2+56x+1)$  lgdogf  
A158666 6.37406 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 59, a(2) = 233\}$ , ogf]  
A158667 11.1849 [  $29(x^2-31x-28)/(x-1)^3$  ogf]  
A158667 20.1205  $-(-115-60x+x^2)/(x-1)/(x^2-31x-28)$  lgdogf  
A158667 6.15169 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 812, a(1) = 3335, a(2) = 7540\}$ , ogf]  
A158668 11.4331 [  $(x^2-60x-57)/(x-1)^3$  ogf]  
A158668 19.0798  $-(-231-118x+x^2)/(x-1)/(x^2-60x-57)$  lgdogf  
A158668 6.15631 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 57, a(1) = 231, a(2) = 521\}$ , ogf]  
A158669 11.1849 [  $30(x^2-32x-29)/(x-1)^3$  ogf]  
A158669 20.1205  $-(-119-62x+x^2)/(x-1)/(x^2-32x-29)$  lgdogf  
A158669 6.15169 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 870, a(1) = 3570, a(2) = 8070\}$ , ogf]  
A158670 11.4900 [  $(x^2-62x-59)/(x-1)^3$  ogf]  
A158670 19.1767  $-(-239-122x+x^2)/(x-1)/(x^2-62x-59)$  lgdogf  
A158670 6.18693 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 59, a(1) = 239, a(2) = 539\}$ , ogf]  
A158672 11.4431 [  $-30(31x^2+28x+1)/(x-1)^3$  ogf]  
A158672 18.5315  $-(31+118x+31x^2)/(x-1)/(31x^2+28x+1)$  lgdogf  
A158672 6.40039 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 30, a(1) = 930, a(2) = 3630\}$ , ogf]  
A158673 11.6925 [  $-(61x^2+58x+1)/(x-1)^3$  ogf]  
A158673 18.0546  $-(61+238x+61x^2)/(x-1)/(61x^2+58x+1)$  lgdogf  
A158673 6.40546 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 61, a(2) = 241\}$ , ogf]  
A158675 11.4431 [  $-31(32x^2+29x+1)/(x-1)^3$  ogf]  
A158675 18.0795  $-2(16+61x+16x^2)/(x-1)/(32x^2+29x+1)$  lgdogf  
A158675 6.40039 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 31, a(1) = 992, a(2) = 3875\}$ , ogf]  
A158676 11.6925 [  $-(63x^2+60x+1)/(x-1)^3$  ogf]  
A158676 17.6142  $-3(21+82x+21x^2)/(x-1)/(63x^2+60x+1)$  lgdogf  
A158676 6.40546 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 63, a(2) = 249\}$ , ogf]  
A158677 13.9619 [  $-(3x^5+6x^4+5x^3+4x+3)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$

ogf]  
 A158677 8.24303  $-(4+3*x^{10}+12*x^9+15*x^8+20*x^6+18*x^5+15*x^4+15*x^2+24*x^3)/(x-1)/(x+1)/(x+1+x^2)/(x^2-x+1)/(3*x^5+6*x^4+5*x^3+4*x+3)$  lgdogf  
 A158678 4.46528  $[3*x^3*(x^2+x+1)*(x^2-x+1)*(x^4-x^2+1)/(x^6+x^3+1)/(x^6-x^3+1)$  ogf]  
 A158678 6.92493  $[x^{17}-x^{11}-x^5+x^3$  ogf\_with\_Euler\_transform]  
 A158679 11.0180  $[31*(x^2-33*x-30)/(x-1)^3$  ogf]  
 A158679 20.1205  $-(-123-64*x+x^2)/(x-1)/(x^2-33*x-30)$  lgdogf  
 A158679 6.15169  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 930, a(1) = 3813, a(2) = 8618},$  ogf]  
 A158680 11.4900  $[(x^2-64*x-61)/(x-1)^3$  ogf]  
 A158680 19.1767  $-(-247-126*x+x^2)/(x-1)/(x^2-64*x-61)$  lgdogf  
 A158680 6.18693  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 61, a(1) = 247, a(2) = 557},$  ogf]  
 A158681 11.2334  $-4*(-3+8*x)/(4*x-1)/(2*x-1)$  lgdogf  
 A158681 14.0210  $[4/(4*x-1)^2/(2*x-1)^2$  ogf]  
 A158681 4.79426  $[{(-n-3)*a(n+3)+(24+6*n)*a(n+2)+(-40-8*n)*a(n+1), a(0) = 4, a(1) = 48, a(2) = 368},$  ogf]  
 A158683 11.1214  $[32*(x^2-34*x-31)/(x-1)^3$  ogf]  
 A158683 20.3131  $-(-127-66*x+x^2)/(x-1)/(x^2-34*x-31)$  lgdogf  
 A158683 6.20945  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 992, a(1) = 4064, a(2) = 9184},$  ogf]  
 A158684 11.5469  $[(x^2-66*x-63)/(x-1)^3$  ogf]  
 A158684 19.2735  $-(-255-130*x+x^2)/(x-1)/(x^2-66*x-63)$  lgdogf  
 A158684 6.21756  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 63, a(1) = 255, a(2) = 575},$  ogf]  
 A158685 10.9145  $[-32*(33*x^2+30*x+1)/(x-1)^3$  ogf]  
 A158685 17.4978  $-3*(11+42*x+11*x^2)/(x-1)/(33*x^2+30*x+1)$  lgdogf  
 A158685 6.14513  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 32, a(1) = 1056, a(2) = 4128},$  ogf]  
 A158686 11.7498  $[-(65*x^2+62*x+1)/(x-1)^3$  ogf]  
 A158686 18.1449  $-(65+254*x+65*x^2)/(x-1)/(65*x^2+62*x+1)$  lgdogf  
 A158686 6.43686  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 65, a(2) = 257},$  ogf]  
 A158688 10.8050  $[-33*(34*x^2+31*x+1)/(x-1)^3$  ogf]  
 A158688 17.5823  $-2*(17+65*x+17*x^2)/(x-1)/(34*x^2+31*x+1)$  lgdogf  
 A158688 6.17426  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 33, a(1) = 1122, a(2) = 4389},$  ogf]  
 A158689 11.7498  $[-(67*x^2+64*x+1)/(x-1)^3$  ogf]  
 A158689 18.1449  $-(67+262*x+67*x^2)/(x-1)/(67*x^2+64*x+1)$  lgdogf  
 A158689 6.43686  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 67, a(2) = 265},$  ogf]  
 A158692 10.5545  $[33*(x^2-35*x-32)/(x-1)^3$  ogf]  
 A158692 19.5547  $-(-131-68*x+x^2)/(x-1)/(x^2-35*x-32)$  lgdogf  
 A158692 5.93144  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1056, a(1) = 4323, a(2) = 9768},$  ogf]  
 A158693 11.5469  $[(x^2-68*x-65)/(x-1)^3$  ogf]  
 A158693 19.2735  $-(-263-134*x+x^2)/(x-1)/(x^2-68*x-65)$  lgdogf  
 A158693 6.21756  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 65, a(1) = 263, a(2) = 593},$  ogf]  
 A158696 4.75623  $[{(2*n+4)*a(n+1)+a(n+3)-34*a(n+2), a(0) = 1, a(1) = 34, a(2) = 1154},$  ogf]  
 A158696 47.8272  $-34+2*x+f(x)$  lgdegf  
 A158699 7.11629  $[x*(9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(10*x^9-1)$  ogf]  
 A158700 4.82385  $[{(2*n+4)*a(n+1)+a(n+3)-36*a(n+2), a(0) = 1, a(1) = 36, a(2) = 1294},$  ogf]  
 A158700 48.5203  $-36+2*x+f(x)$  lgdegf  
 A158702 4.22720  $[{(2*n+4)*a(n+1)+a(n+3)-38*a(n+2), a(0) = 1, a(1) = 38, a(2) = 1442},$  ogf]  
 A158702 42.4261  $-38+2*x+f(x)$  lgdegf

A158703 4.27124 [  $\{(2*n+4)*a(n+1)+a(n+3)-40*a(n+2), a(0) = 1, a(1) = 40, a(2) = 1598\}$ , ogf]  
A158703 42.8775  $-40+2*x+f(x)$  lgdegf  
A158727 4.31527 [  $\{(2*n+4)*a(n+1)+a(n+3)-42*a(n+2), a(0) = 1, a(1) = 42, a(2) = 1762\}$ , ogf]  
A158727 43.3288  $-42+2*x+f(x)$  lgdegf  
A158729 10.1536 [  $34*(x^2-36*x-33)/(x-1)^3$  ogf]  
A158729 18.8011  $-(-135-70*x+x^2)/(x-1)/(x^2-36*x-33)$  lgdogf  
A158729 5.65938 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1122, a(1) = 4590, a(2) = 10370\}$ , ogf]  
A158730 11.5469 [  $(x^2-70*x-67)/(x-1)^3$  ogf]  
A158730 19.2735  $-(-271-138*x+x^2)/(x-1)/(x^2-70*x-67)$  lgdogf  
A158730 6.21756 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 67, a(1) = 271, a(2) = 611\}$ , ogf]  
A158731 10.4030 [  $-34*(35*x^2+32*x+1)/(x-1)^3$  ogf]  
A158731 17.3416  $-(35+134*x+35*x^2)/(x-1)/(35*x^2+32*x+1)$  lgdogf  
A158731 5.94455 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 34, a(1) = 1190, a(2) = 4658\}$ , ogf]  
A158732 11.7498 [  $-(69*x^2+66*x+1)/(x-1)^3$  ogf]  
A158732 17.7023  $-3*(23+90*x+23*x^2)/(x-1)/(69*x^2+66*x+1)$  lgdogf  
A158732 6.43686 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 69, a(2) = 273\}$ , ogf]  
A158733 10.4535 [  $-35*(36*x^2+33*x+1)/(x-1)^3$  ogf]  
A158733 17.8744  $-6*(6+23*x+6*x^2)/(x-1)/(36*x^2+33*x+1)$  lgdogf  
A158733 5.97341 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 35, a(1) = 1260, a(2) = 4935\}$ , ogf]  
A158734 11.8071 [  $-(71*x^2+68*x+1)/(x-1)^3$  ogf]  
A158734 18.2351  $-(71+278*x+71*x^2)/(x-1)/(71*x^2+68*x+1)$  lgdogf  
A158734 6.46826 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 71, a(2) = 281\}$ , ogf]  
A158735 10.2036 [  $35*(x^2-37*x-34)/(x-1)^3$  ogf]  
A158735 18.8956  $-(-139-72*x+x^2)/(x-1)/(x^2-37*x-34)$  lgdogf  
A158735 5.68725 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1190, a(1) = 4865, a(2) = 10990\}$ , ogf]  
A158736 11.6038 [  $(x^2-72*x-69)/(x-1)^3$  ogf]  
A158736 19.3704  $-(-279-142*x+x^2)/(x-1)/(x^2-72*x-69)$  lgdogf  
A158736 6.24819 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 69, a(1) = 279, a(2) = 629\}$ , ogf]  
A158737 10.3036 [  $36*(x^2-38*x-35)/(x-1)^3$  ogf]  
A158737 19.0845  $-(-143-74*x+x^2)/(x-1)/(x^2-38*x-35)$  lgdogf  
A158737 5.74301 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1260, a(1) = 5148, a(2) = 11628\}$ , ogf]  
A158738 11.6038 [  $(x^2-74*x-71)/(x-1)^3$  ogf]  
A158738 19.3704  $-(-287-146*x+x^2)/(x-1)/(x^2-74*x-71)$  lgdogf  
A158738 6.24819 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 71, a(1) = 287, a(2) = 647\}$ , ogf]  
A158739 10.5545 [  $-36*(37*x^2+34*x+1)/(x-1)^3$  ogf]  
A158739 17.5992  $-(37+142*x+37*x^2)/(x-1)/(37*x^2+34*x+1)$  lgdogf  
A158739 6.03113 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 36, a(1) = 1332, a(2) = 5220\}$ , ogf]  
A158740 11.8071 [  $-(73*x^2+70*x+1)/(x-1)^3$  ogf]  
A158740 18.2351  $-(73+286*x+73*x^2)/(x-1)/(73*x^2+70*x+1)$  lgdogf  
A158740 6.46826 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 73, a(2) = 289\}$ , ogf]  
A158741 10.5545 [  $-37*(38*x^2+35*x+1)/(x-1)^3$  ogf]  
A158741 17.1700  $-2*(19+73*x+19*x^2)/(x-1)/(38*x^2+35*x+1)$  lgdogf  
A158741 6.03113 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 37, a(1) = 1406, a(2) = 5513\}$ , ogf]  
A158742 11.8071 [  $-(75*x^2+72*x+1)/(x-1)^3$  ogf]  
A158742 17.7904  $-3*(25+98*x+25*x^2)/(x-1)/(75*x^2+72*x+1)$  lgdogf  
A158742 6.46826 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 75, a(2) =$

297}], ogf]  
 A158743 10.3036 [  $37*(x^2-39*x-36)/(x-1)^3$  ogf]  
 A158743 19.0845  $-(-147-76*x+x^2)/(x-1)/(x^2-39*x-36)$  lgdogf  
 A158743 5.74301 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1332, a(1) = 5439, a(2) = 12284\}$ , ogf]  
 A158744 11.6038 [  $(x^2-76*x-73)/(x-1)^3$  ogf]  
 A158744 19.3704  $-(-295-150*x+x^2)/(x-1)/(x^2-76*x-73)$  lgdogf  
 A158744 6.24819 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 73, a(1) = 295, a(2) = 665\}$ , ogf]  
 A158745 9.20598 [  $-(4*x^8+2*x^6-5*x^5-x^4+3*x^2+2*x+1)/(2*x^3-1)/(x^6-x^3+1)$  ogf]  
 A158749 14.0813 [  $9*x/(9*x-1)^2$  ogf]  
 A158749 21.6200  $4/9*x/(1+(4*x+1)^{(1/2)})^2$  revogf  
 A158749 49.1363  $-18/(9*x-1)$  lgdogf  
 A158749 6.61651 [  $\{a(n+2)-18*a(n+1)+81*a(n), a(0) = 0, a(1) = 9\}$ , ogf]  
 A158751 4.35930 [  $\{(2*n+4)*a(n+1)+a(n+3)-44*a(n+2), a(0) = 1, a(1) = 44, a(2) = 1934\}$ , ogf]  
 A158751 43.7801  $-44+2*x+f(x)$  lgdegf  
 A158752 4.38132 [  $\{(2*n+4)*a(n+1)+a(n+3)-46*a(n+2), a(0) = 1, a(1) = 46, a(2) = 2114\}$ , ogf]  
 A158752 44.0058  $-46+2*x+f(x)$  lgdegf  
 A158761 10.2036 [  $-(15*x^2+4*x+1)/(64*x^3+x^2-1)$  ogf]  
 A158761 6.27098 [  $\{a(n+3)-a(n+1)-64*a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$ , ogf]  
 A158761 9.35670  $-4*(1+8*x+49*x^2+128*x^3+240*x^4)/(15*x^2+4*x+1)/(64*x^3+x^2-1)$  lgdogf  
 A158762 5.88888 [  $\{a(n+3)-a(n+1)-729*a(n), a(0) = 1, a(1) = 9, a(2) = 81\}$ , ogf]  
 A158762 8.22711  $-9*(1+18*x+244*x^2+1458*x^3+6480*x^4)/(80*x^2+9*x+1)/(729*x^3+x^2-1)$  lgdogf  
 A158762 9.52035 [  $-(80*x^2+9*x+1)/(729*x^3+x^2-1)$  ogf]  
 A158764 10.3536 [  $38*(x^2-40*x-37)/(x-1)^3$  ogf]  
 A158764 19.1790  $-(-151-78*x+x^2)/(x-1)/(x^2-40*x-37)$  lgdogf  
 A158764 5.77089 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1406, a(1) = 5738, a(2) = 12958\}$ , ogf]  
 A158765 11.6038 [  $(x^2-78*x-75)/(x-1)^3$  ogf]  
 A158765 19.3704  $-(-303-154*x+x^2)/(x-1)/(x^2-78*x-75)$  lgdogf  
 A158765 6.24819 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 75, a(1) = 303, a(2) = 683\}$ , ogf]  
 A158766 10.6050 [  $-38*(39*x^2+36*x+1)/(x-1)^3$  ogf]  
 A158766 17.2537  $-3*(13+50*x+13*x^2)/(x-1)/(39*x^2+36*x+1)$  lgdogf  
 A158766 6.05998 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 38, a(1) = 1482, a(2) = 5814\}$ , ogf]  
 A158767 11.8071 [  $-(77*x^2+74*x+1)/(x-1)^3$  ogf]  
 A158767 18.2351  $-(77+302*x+77*x^2)/(x-1)/(77*x^2+74*x+1)$  lgdogf  
 A158767 6.46826 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 77, a(2) = 305\}$ , ogf]  
 A158768 10.6555 [  $-39*(40*x^2+37*x+1)/(x-1)^3$  ogf]  
 A158768 17.3375  $-2*(20+77*x+20*x^2)/(x-1)/(40*x^2+37*x+1)$  lgdogf  
 A158768 6.08884 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 39, a(1) = 1560, a(2) = 6123\}$ , ogf]  
 A158769 11.8644 [  $-(79*x^2+76*x+1)/(x-1)^3$  ogf]  
 A158769 18.3254  $-(79+310*x+79*x^2)/(x-1)/(79*x^2+76*x+1)$  lgdogf  
 A158769 6.49965 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 79, a(2) = 313\}$ , ogf]  
 A158770 10.4037 [  $39*(x^2-41*x-38)/(x-1)^3$  ogf]  
 A158770 19.2735  $-(-155-80*x+x^2)/(x-1)/(x^2-41*x-38)$  lgdogf  
 A158770 5.79877 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1482, a(1) = 6045, a(2) = 13650\}$ , ogf]  
 A158771 11.6607 [  $(x^2-80*x-77)/(x-1)^3$  ogf]  
 A158771 19.4672  $-(-311-158*x+x^2)/(x-1)/(x^2-80*x-77)$  lgdogf  
 A158771 6.27882 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 77, a(1) = 311, a(2) = 701\}$ , ogf]

A158772 10.0457 [ $\{a(n+3)-2*a(n), a(0) = 21, a(1) = 21, a(2) = 21\}$ , ogf]  
A158772 15.2618 [ $-21*(x^2+x+1)/(2*x^3-1)$  ogf]  
A158772 16.9254  $-(1+2*x+4*x^3+2*x^4+6*x^2)/(2*x^3-1)/(x^2+x+1)$  lgdogf  
A158773 10.4537 [ $40*(x^2-42*x-39)/(x-1)^3$  ogf]  
A158773 19.3679  $-(-159-82*x+x^2)/(x-1)/(x^2-42*x-39)$  lgdogf  
A158773 5.82665 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1560, a(1) = 6360, a(2) = 14360\}$ , ogf]  
A158774 11.6607 [ $(x^2-82*x-79)/(x-1)^3$  ogf]  
A158774 19.4672  $-(-319-162*x+x^2)/(x-1)/(x^2-82*x-79)$  lgdogf  
A158774 6.27882 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 79, a(1) = 319, a(2) = 719\}$ , ogf]  
A158775 10.5037 [ $-40*(x^2+38*x+41)/(x-1)^3$  ogf]  
A158775 20.0185  $-(161+78*x+x^2)/(x-1)/(x^2+38*x+41)$  lgdogf  
A158775 5.85452 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1640, a(1) = 6440, a(2) = 14440\}$ , ogf]  
A158776 11.8644 [ $-(81*x^2+78*x+1)/(x-1)^3$  ogf]  
A158776 17.4528  $-3*(27+106*x+27*x^2)/(x-1)/(81*x^2+78*x+1)$  lgdogf  
A158776 6.49965 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 81, a(2) = 321\}$ , ogf]  
A158778 6.95574  $-4*(1+6*x+33*x^2+232*x^3+576*x^4+1536*x^5+3072*x^6)/(48*x^3+12*x^2+3*x+1)/(256*x^4+x-1)$  lgdogf  
A158778 9.50295 [ $-(48*x^3+12*x^2+3*x+1)/(256*x^4+x-1)$  ogf]  
A158779 5.70861  $-9*(1+16*x+208*x^2+2772*x^3+17496*x^4+104976*x^5+472392*x^6)/(648*x^3+72*x^2+8*x+1)/(6561*x^4+x-1)$  lgdogf  
A158779 8.52569 [ $-(648*x^3+72*x^2+8*x+1)/(6561*x^4+x-1)$  ogf]  
A158780 12.2618 [ $x*(x^2-x-1)/(2*x^2-1)$  ogf]  
A158780 19.3556  $(1+2*x+2*x^2)/(2*x^2-1)/(x^2-x-1)$  lgdogf  
A158780 6.84079 [ $\{a(n+4)-2*a(n+2), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 1\}$ , ogf]  
A158783 4.46938 [ $\{(2*n+4)*a(n+1)+a(n+3)-48*a(n+2), a(0) = 1, a(1) = 48, a(2) = 2302\}$ , ogf]  
A158783 44.9085  $-48+2*x+f(x)$  lgdegf  
A158784 10.3631 [ $-(14*x^2+4*x+1)/(64*x^3+2*x^2-1)$  ogf]  
A158784 6.36897 [ $\{a(n+3)-2*a(n+1)-64*a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$ , ogf]  
A158784 9.21352  $-4*(1+8*x+50*x^2+128*x^3+224*x^4)/(64*x^3+2*x^2-1)/(14*x^2+4*x+1)$  lgdogf  
A158797 12.2434 [ $-(5*x+1)/(36*x^2+x-1)$  ogf]  
A158797 13.1242  $1/2/(5+36*x)*(-1-x+(1+22*x+145*x^2)^(1/2))$  revogf  
A158797 6.78551 [ $\{-a(n+2)+a(n+1)+36*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A158798 15.1564 [ $-(7*x+1)/(64*x^2+x-1)$  ogf]  
A158798 8.39994 [ $\{-a(n+2)+a(n+1)+64*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A158799 17.5659 [ $-(x^2+x+1)/(x-1)$  ogf]  
A158799 27.5929  $(-2-2*x+x^2)/(x-1)/(x^2+x+1)$  lgdogf  
A158799 31.5368 [ $[-x^2+2]$  ogf\_with\_Euler\_transform]  
A158799 9.41031 [ $\{-a(n+3)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 3\}$ , ogf]  
A158803 13.1708 [ $(17*x^2+7*x+17)/(x+1)/(x-1)^2$  ogf]  
A158803 15.6530  $-(24+92*x+17*x^3+31*x^2)/(x-1)/(x+1)/(17*x^2+7*x+17)$  lgdogf  
A158803 7.21530 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 17, a(1) = 24, a(2) = 58\}$ , ogf]  
A158811 122.288  $2-18*x$  lgdegf  
A158811 5.88775 [ $\{(-18*n-36)*a(n+1)-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 2, a(2) = -14\}$ , ogf]  
A158842 12.2202 [ $-(x^3-3*x^2-1)/(x-1)^4$  ogf]  
A158842 21.9190  $-(-4-6*x+x^3-3*x^2)/(-1+x)/(x^3-3*x^2-1)$  lgdogf  
A158842 4.77044 [ $\{(-3*n^2-19*n-26)*a(n+1)+(4*n^2+16*n+8)*a(n+2)+(-n^2-3*n)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 13, a(3) = 31\}$ , ogf]  
A158869 11.5169 [ $-(x-1)/(3*x^2-6*x+1)$  ogf]  
A158869 12.0542  $-1/2*(-1-6*x+(1+8*x+24*x^2)^(1/2))/(1+3*x)$  revogf  
A158869 14.8905  $-(5-6*x+3*x^2)/(x-1)/(3*x^2-6*x+1)$  lgdogf  
A158869 6.32026 [ $\{a(n+2)-6*a(n+1)+3*a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A158874 10.5374 [ $24*x/(x-1)^6$  ogf]  
A158874 58.6510  $[[6]$  ogf\_with\_Euler\_transform]

A158874 7.39646 [  $\{(n+1)*a(n+2)+(-6-n)*a(n+1), a(0) = 0, a(1) = 24\}$ , ogf]  
A158874 94.8428  $-6/(x-1)$  lgdogf  
A158876 13.0158  $(-n-3)*a(n+1)+a(n+2), a(0)=1, a(1)=2$  lgdegf  
A158879 10.7845 [  $(3*x^2+x-1)/(4*x-1)/(x-1)^2$  ogf]  
A158879 13.1662  $-(5-19*x+12*x^3+20*x^2)/(x-1)/(4*x-1)/(3*x^2+x-1)$  lgdogf  
A158879 5.82173 [  $\{a(n+3)-6*a(n+2)+9*a(n+1)-4*a(n), a(0) = 1, a(1) = 5, a(2) = 18\}$ , ogf]  
A158903 122.288  $4-18*x$  lgdegf  
A158903 5.96218 [  $\{(-18*n-36)*a(n+1)-a(n+3)+4*a(n+2), a(0) = 1, a(1) = 4, a(2) = -2\}$ , ogf]  
A158916 10.3375 [  $(9*x^3+7*x^2+4*x+1)/(2*x+1)/(x^2+x+1)$  ogf]  
A158916 11.3901  $(1+8*x+13*x^4+38*x^3+30*x^2)/(2*x+1)/(x^2+x+1)/(9*x^3+7*x^2+4*x+1)$  lgdogf  
A158916 5.40370 [  $\{-a(n+4)-3*a(n+3)-3*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1\}$ , ogf]  
A158920 32.8783  $2*(1+x)/(2*x-1)/(x-1)$  lgdogf  
A158920 4.78944 [  $\{a(n+5)-6*a(n+4)+12*a(n+3)-8*a(n+2), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 16, a(4) = 41\}$ , ogf]  
A158920 9.02626 [  $-(x-1)^4/(2*x-1)^3$  ogf]  
A158923 10.9276 [  $(x^{30}+x^{15}+x^8+x^4-x+2)/(x-1)^2$  ogf]  
A158926 16.5502 [  $-9*x^3/(2*x+1)/(x^2+x+1)$  ogf]  
A158926 23.3443  $-3*(1+2*x+2*x^2)/(2*x+1)/(x^2+x+1)$  lgdogf  
A158926 5.77331 [  $\{a(n+4)+3*a(n+3)+3*a(n+2)+2*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = -9\}$ , ogf]  
A158927 10.2398 [  $(9*x^3+14*x^2+8*x+2)/(2*x+1)/(x^2+x+1)$  ogf]  
A158927 11.2723  $-(-2-16*x+x^4-22*x^3-33*x^2)/(2*x+1)/(x^2+x+1)/(9*x^3+14*x^2+8*x+2)$  lgdogf  
A158927 5.43019 [  $\{-a(n+4)-3*a(n+3)-3*a(n+2)-2*a(n+1), a(0) = 2, a(1) = 2, a(2) = 2, a(3) = -7\}$ , ogf]  
A158935 10.0463 [  $(9*x^3+19*x^2+16*x+4)/(2*x+1)/(x^2+x+1)$  ogf]  
A158935 10.6373  $-(-4-14*x+11*x^4+10*x^3-12*x^2)/(2*x+1)/(x^2+x+1)/(9*x^3+19*x^2+16*x+4)$  lgdogf  
A158935 5.40370 [  $\{a(n+4)+3*a(n+3)+3*a(n+2)+2*a(n+1), a(0) = 4, a(1) = 4, a(2) = -5, a(3) = 4\}$ , ogf]  
A158938 7.47565 [  $(37*x^8+2*x^7+2*x^6+10*x^5+2*x^4+2*x^3+2*x^2+10*x-3)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A158943 17.8898 [  $1/(x^4-2*x^2-x+1)$  ogf]  
A158943 22.4805  $-(-1-4*x+4*x^3)/(-2*x^2+1-x+x^4)$  lgdogf  
A158953 18.0389 [  $4*(x+3)/(x-1)^2$  ogf]  
A158953 27.1303  $-(-6-x+2*(9+4*x)^{(1/2)})/(-4+x)$  revogf  
A158953 45.2172  $-(7+x)/(x+3)/(x-1)$  lgdogf  
A158953 9.87846 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 12, a(1) = 28\}$ , ogf]  
A158954 114.368  $1-8*x$  lgdegf  
A158954 5.58466 [  $\{(-8*n-16)*a(n+1)-a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = -7\}$ , ogf]  
A158958 115.399  $3-8*x$  lgdegf  
A158958 5.66258 [  $\{(8*n+16)*a(n+1)+a(n+3)-3*a(n+2), a(0) = 1, a(1) = 3, a(2) = 1\}$ , ogf]  
A158960 100.681  $2-50*x$  lgdegf  
A158960 4.85677 [  $\{(-50*n-100)*a(n+1)-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 2, a(2) = -46\}$ , ogf]  
A158961 4.80939 [  $\{(-50*n-100)*a(n+1)-a(n+3)+4*a(n+2), a(0) = 1, a(1) = 4, a(2) = -34\}$ , ogf]  
A158961 50.0997  $-4+50*x+f(x)$  lgdegf  
A158965 5.52686 [  $\{(-50*n-100)*a(n+1)-a(n+3)+6*a(n+2), a(0) = 1, a(1) = 6, a(2) = -14\}$ , ogf]  
A158965 57.4166  $-6+50*x+f(x)$  lgdegf  
A158967 100.681  $8-50*x$  lgdegf  
A158967 4.83307 [  $\{(-50*n-100)*a(n+1)-a(n+3)+8*a(n+2), a(0) = 1, a(1) = 8, a(2) = 14\}$ , ogf]  
A158968 122.796  $1-18*x$  lgdegf

A158968 5.93807 [ $\{(-18*n-36)*a(n+1)-a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = -17\}$ , ogf]  
A158969 122.288  $5-18*x$  lgdegf  
A158969 6.01292 [ $\{(18*n+36)*a(n+1)+a(n+3)-5*a(n+2), a(0) = 1, a(1) = 5, a(2) = 7\}$ , ogf]  
A158980 5.37798 [ $\{(-98*n-196)*a(n+1)-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 2, a(2) = -94\}$ , ogf]  
A158980 55.6396  $-2+98*x+f(x)$  lgdegf  
A158981 5.33060 [ $\{(-98*n-196)*a(n+1)-a(n+3)+4*a(n+2), a(0) = 1, a(1) = 4, a(2) = -82\}$ , ogf]  
A158981 55.3988  $-4+98*x+f(x)$  lgdegf  
A158987 5.33060 [ $\{(98*n+196)*a(n+1)+a(n+3)-6*a(n+2), a(0) = 1, a(1) = 6, a(2) = -62\}$ , ogf]  
A158987 55.3988  $-6+98*x+f(x)$  lgdegf  
A158991 5.35430 [ $\{(-98*n-196)*a(n+1)-a(n+3)+8*a(n+2), a(0) = 1, a(1) = 8, a(2) = -34\}$ , ogf]  
A158991 55.6396  $-8+98*x+f(x)$  lgdegf  
A159005 4.72202 [ $\{(98*n+196)*a(n+1)+a(n+3)-10*a(n+2), a(0) = 1, a(1) = 10, a(2) = 2\}$ , ogf]  
A159005 45.3314  $-10+98*x+f(x)$  lgdegf  
A159007 13.0883 [ $(32*x^2+9*x+32)/(x+1)/(x-1)^2$  ogf]  
A159007 15.2657  $-(41+169*x+50*x^2+32*x^3)/(x-1)/(x+1)/(32*x^2+9*x+32)$  lgdogf  
A159007 7.10833 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 32, a(1) = 41, a(2) = 105\}$ , ogf]  
A159008 12.8739 [ $(25*x^2+39*x+25)/(x+1)/(x-1)^2$  ogf]  
A159008 14.7006  $-(64+164*x+103*x^2+25*x^3)/(x-1)/(x+1)/(25*x^2+39*x+25)$  lgdogf  
A159008 7.10286 [ $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 25, a(1) = 64, a(2) = 114\}$ , ogf]  
A159013 4.63824 [ $\{(-98*n-196)*a(n+1)-a(n+3)+12*a(n+2), a(0) = 1, a(1) = 12, a(2) = 46\}$ , ogf]  
A159013 44.6775  $-12+98*x+f(x)$  lgdegf  
A159014 5.13452 [ $\{(-32*n-64)*a(n+1)-a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = -31\}$ , ogf]  
A159014 52.9999  $-1+32*x+f(x)$  lgdegf  
A159017 5.13452 [ $\{(-32*n-64)*a(n+1)-a(n+3)+3*a(n+2), a(0) = 1, a(1) = 3, a(2) = -23\}$ , ogf]  
A159017 52.7546  $-3+32*x+f(x)$  lgdegf  
A159019 5.22638 [ $\{(32*n+64)*a(n+1)+a(n+3)-5*a(n+2), a(0) = 1, a(1) = 5, a(2) = -7\}$ , ogf]  
A159019 53.7360  $-5+32*x+f(x)$  lgdegf  
A159026 7.76011  
 $(-98-18*x-81*x^4+16*x^3+16*x^21-17*x^20+175*x^2+19*x^18-18*x^19)/(x-1)/(x+1)/(x^20-x^19+81*x^3-89*x^2-80*x+89)$  lgdogf  
A159026 9.55488 [ $-(x^20-x^19+81*x^3-89*x^2-80*x+89)/(x+1)/(x-1)^3$  ogf]  
A159027 10.7127 [ $-(x^22-x^21+100*x^3-109*x^2-99*x+109)/(x+1)/(x-1)^3$  ogf]  
A159027 8.61519  $(-119-20*x+21*x^20-20*x^21-19*x^22+18*x^23+215*x^2+18*x^3-100*x^4)/(x-1)/(x+1)/(x^22-x^21+100*x^3-109*x^2-99*x+109)$  lgdogf  
A159028 5.18319 [ $\{(32*n+64)*a(n+1)+a(n+3)-7*a(n+2), a(0) = 1, a(1) = 7, a(2) = 17\}$ , ogf]  
A159028 53.2453  $-7+32*x+f(x)$  lgdegf  
A159030 4.91242 [ $\{(-162*n-324)*a(n+1)-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 2, a(2) = -158\}$ , ogf]  
A159030 47.7287  $-2+162*x+f(x)$  lgdegf  
A159035 11.2605  $-(x-1)*(4*x^2-3*x+1)/(2*x^3-4*x^2+4*x-1)/(x^3-2*x^2+3*x-1)$  lgdogf  
A159035 5.04879 [ $\{a(n+4)-4*a(n+3)+4*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5\}$ , ogf]  
A159035 9.65855 [ $(x^3-2*x^2+3*x-1)/(2*x^3-4*x^2+4*x-1)$  ogf]  
A159036 12.3350 [ $-x*(x^2+1)/(2*x^3-4*x^2+4*x-1)$  ogf]  
A159036 15.0673  $-2*(2-3*x+x^4+x^2)/(1+x^2)/(2*x^3-4*x^2+4*x-1)$  lgdogf

A159036 5.32647 [ {a(n+4)-4\*a(n+3)+4\*a(n+2)-2\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 13}, ogf]  
A159038 16.5067 [ 8/(x-1)^2 egf]  
A159038 6.12046 [ {(-n-3)\*a(n+1)+a(n+2), a(0) = 8, a(1) = 16}, ogf]  
A159038 66.6180 -2/(x-1) lgdegf  
A159038 76.1348 x/(8+x) revegf  
A159058 10.8957 [ -x\*(x^6+2\*x^5+7\*x^4+4\*x^3+5\*x^2+6\*x+3)/(x-1)/(x+1)/(x^2+1)/(x^4+1) ogf]  
A159075 9.57136 [ {-a(n+2), a(0) = 0, a(1) = -1}, ogf]  
A159083 3.62159 [ {(-5+n)\*a(n+2)+(-2-n)\*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 0, a(7) = 5040}, ogf]  
A159083 6.69800 [ 5040\*x^7/(x-1)^8 ogf]  
A159083 79.1002 -8/(x-1) lgdogf  
A159197 4.95812 [ {(-162\*n-324)\*a(n+1)-a(n+3)+4\*a(n+2), a(0) = 1, a(1) = 4, a(2) = -146}, ogf]  
A159197 48.1646 -4+162\*x+f(x) lgdegf  
A159217 6.20844 -(8-14\*x+8\*x^6-56\*x^5+30\*x^4+48\*x^3-27\*x^2)/(-1+x)/(2\*x-1)/(2\*x^2-1)/(2\*x^3-7\*x^2-x+3) lgdogf  
A159217 7.92912 [ -(2\*x^3-7\*x^2-x+3)/(x-1)/(2\*x-1)/(2\*x^2-1) ogf]  
A159219 6.04106 -(39-68\*x+240\*x^3-132\*x^2+132\*x^4-272\*x^5+48\*x^6)/(x-1)/(2\*x-1)/(2\*x^2-1)/(12\*x^3-34\*x^2-6\*x+15) lgdogf  
A159219 8.12293 [ -2\*(12\*x^3-34\*x^2-6\*x+15)/(x-1)/(2\*x-1)/(2\*x^2-1) ogf]  
A159221 6.23344 -(23-40\*x+32\*x^6-160\*x^5+72\*x^4+144\*x^3-78\*x^2)/(x-1)/(2\*x-1)/(2\*x^2-1)/(8\*x^3-20\*x^2-4\*x+9) lgdogf  
A159221 8.38086 [ -(8\*x^3-20\*x^2-4\*x+9)/(x-1)/(2\*x-1)/(2\*x^2-1) ogf]  
A159222 5.96708 -(20-30\*x+78\*x^4+112\*x^3+8\*x^6-120\*x^5-75\*x^2)/(x-1)/(2\*x-1)/(2\*x^2-1)/(2\*x^3-15\*x^2-x+7) lgdogf  
A159222 7.77290 [ -(2\*x^3-15\*x^2-x+7)/(x-1)/(2\*x-1)/(2\*x^2-1) ogf]  
A159225 5.40904 [ -(12\*x^4-20\*x^3-13\*x^2+17\*x+7)/(2\*x-1)/(2\*x+1)/(x-1)/(2\*x^2-1) ogf]  
A159227 5.73561 [ -(8\*x^4-32\*x^3-19\*x^2+15\*x+7)/(2\*x-1)/(2\*x+1)/(x-1)/(2\*x^2-1) ogf]  
A159229 3.86588 [ (4\*x^3+22\*x^2-2\*x-3)/(x-1)/(2\*x-1)/(8\*x^2-1) ogf]  
A159230 5.94018 -(5-10\*x+8\*x^6-40\*x^5+18\*x^4+32\*x^3-15\*x^2)/(-1+x)/(2\*x-1)/(2\*x^2-1)/(2\*x^3-5\*x^2-x+2) lgdogf  
A159230 7.59477 [ -(2\*x^3-5\*x^2-x+2)/(x-1)/(2\*x-1)/(2\*x^2-1) ogf]  
A159232 4.97539 [ {(-162\*n-324)\*a(n+1)-a(n+3)+8\*a(n+2), a(0) = 1, a(1) = 8, a(2) = -98}, ogf]  
A159232 47.9466 -8+162\*x+f(x) lgdegf  
A159240 4.94112 [ {(162\*n+324)\*a(n+1)+a(n+3)-10\*a(n+2), a(0) = 1, a(1) = 10, a(2) = -62}, ogf]  
A159240 45.1290 -10+162\*x+f(x) lgdegf  
A159242 4.91846 [ {(162\*n+324)\*a(n+1)+a(n+3)-14\*a(n+2), a(0) = 1, a(1) = 14, a(2) = 34}, ogf]  
A159242 44.7242 -14+162\*x+f(x) lgdegf  
A159245 4.89578 [ {(-162\*n-324)\*a(n+1)-a(n+3)+16\*a(n+2), a(0) = 1, a(1) = 16, a(2) = 94}, ogf]  
A159245 44.3195 -16+162\*x+f(x) lgdegf  
A159247 100.681 1-50\*x lgdegf  
A159247 4.85677 [ {(-50\*n-100)\*a(n+1)-a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = -49}, ogf]  
A159249 5.45445 [ {(-50\*n-100)\*a(n+1)-a(n+3)+3\*a(n+2), a(0) = 1, a(1) = 3, a(2) = -41}, ogf]  
A159249 56.4351 -3+50\*x+f(x) lgdegf  
A159252 101.645 7-50\*x lgdegf  
A159252 4.92079 [ {(50\*n+100)\*a(n+1)+a(n+3)-7\*a(n+2), a(0) = 1, a(1) = 7, a(2) = -1}, ogf]  
A159254 13.5077 [ (7\*x^2+36\*x+7)/(x+1)/(x-1)^2 ogf]  
A159254 16.4350 -(43+71\*x+79\*x^2+7\*x^3)/(x-1)/(x+1)/(7\*x^2+36\*x+7) lgdogf  
A159254 7.34632 [ {a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 7, a(1) = 43, a(2) = 57}, ogf]



A159256 8.43911 [  $-(x^{24}-x^{23}+121x^3-131x^2-120x+131)/(x+1)/(x-1)^3$  ogf]  
A159277 15.8458 [  $-8x/(4x+1)/(8x-1)$  ogf]  
A159277 17.9744  $1/16*(-2-x+(4+4x+9x^2)^{1/2})/x$  revogf  
A159277 21.9687  $-4*(1+16x)/(4x+1)/(8x-1)$  lgdogf  
A159277 7.34320 [  $\{-a(n+2)+4a(n+1)+32a(n), a(0) = 0, a(1) = 8\}$ , ogf]  
A159279 101.163  $9-50x$  lgdegf  
A159279 4.88046 [  $\{(50n+100)*a(n+1)+a(n+3)-9a(n+2), a(0) = 1, a(1) = 9, a(2) = 31\}$ , ogf]  
A159280 5.23230 [  $\{(-242n-484)*a(n+1)-a(n+3)+2a(n+2), a(0) = 1, a(1) = 2, a(2) = -238\}$ , ogf]  
A159280 50.7798  $-2+242x+f(x)$  lgdegf  
A159281 5.25515 [  $\{(-242n-484)*a(n+1)-a(n+3)+4a(n+2), a(0) = 1, a(1) = 4, a(2) = -226\}$ , ogf]  
A159281 50.9978  $-4+242x+f(x)$  lgdegf  
A159283 10.8094 [158663322\*x^5+3616\*x^3+1 ogf\_with\_Euler\_transform]  
A159284 13.3635 [  $-(x+1)*x/(2x^3+x^2-1)$  ogf]  
A159284 17.4300  $-(1+2x+7x^2+4x^3)/(x+1)/(2x^3+x^2-1)$  lgdogf  
A159284 7.61575 [  $\{a(n+3)-a(n+1)-2a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
A159285 15.5836 [  $-(3x+1)/(2x^3+x^2-1)$  ogf]  
A159285 17.4149  $-(3+2x+12x^3+9x^2)/(1+3x)/(2x^3+x^2-1)$  lgdogf  
A159285 8.12338 [  $\{-a(n+3)+a(n+1)+2a(n), a(0) = 1, a(1) = 3, a(2) = 1\}$ , ogf]  
A159286 10.3548 [  $-(x-1)^2/(2x^3+x^2-1)$  ogf]  
A159286 15.8234  $-2*(1-x+x^3-3x^2)/(x-1)/(2x^3+x^2-1)$  lgdogf  
A159286 6.27895 [  $\{-a(n+3)+a(n+1)+2a(n), a(0) = 1, a(1) = -2, a(2) = 2\}$ , ogf]  
A159287 19.2901 [  $-x^2/(2x^3+x^2-1)$  ogf]  
A159287 29.1523  $-2x*(3x+1)/(-1+x^2+2x^3)$  lgdogf  
A159287 8.59670 [  $\{-a(n+3)+a(n+1)+2a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A159288 13.2023 [  $-(x^2+x+1)/(2x^3+x^2-1)$  ogf]  
A159288 14.7555  $-(1+4x+2x^4+7x^2+4x^3)/(x^2+x+1)/(2x^3+x^2-1)$  lgdogf  
A159288 8.00566 [  $\{a(n+3)-a(n+1)-2a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A159289 13.8066 [  $-(4x-5)/(2x^2-5x+1)$  ogf]  
A159289 14.4984  $-1/4*(-5-5x+(25+34x+17x^2)^{1/2})/(x+2)$  revogf  
A159289 16.0246  $-(21-20x+8x^2)/(4x-5)/(2x^2-5x+1)$  lgdogf  
A159289 7.48553 [  $\{a(n+2)-5a(n+1)+2a(n), a(0) = 5, a(1) = 21\}$ , ogf]  
A159290 13.3472 [  $-(x-3)/(x-1)/(2x-1)/(x+1)$  ogf]  
A159290 14.7589  $-(5+6x-19x^2+4x^3)/(x-1)/(x-3)/(2x-1)/(x+1)$  lgdogf  
A159290 6.26019 [  $\{a(n+3)-2a(n+2)-a(n+1)+2a(n), a(0) = 3, a(1) = 5, a(2) = 13\}$ , ogf]  
A159294 3.87033 [  $-(63x^7-173x^6+15x^5+335x^4-228x^3-157x^2+150x+1)/(x+1)^2/(x-1)^5$  ogf]  
A159307 5.18660 [  $\{(-242n-484)*a(n+1)-a(n+3)+6a(n+2), a(0) = 1, a(1) = 6, a(2) = -206\}$ , ogf]  
A159307 50.3440  $-6+242x+f(x)$  lgdegf  
A159324 3.63921 [  $\{(-n^4-11n^3-42n^2-68n-40)*a(n+1)+(2n^3+17n^2+43n+32)*a(n+2)+(-n^2-5n-4)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A159326 5.16375 [  $\{(-242n-484)*a(n+1)-a(n+3)+8a(n+2), a(0) = 1, a(1) = 8, a(2) = -178\}$ , ogf]  
A159326 50.1260  $-8+242x+f(x)$  lgdegf  
A159327 47.1527  $-10+242x+f(x)$  lgdegf  
A159327 5.14925 [  $\{(-242n-484)*a(n+1)-a(n+3)+10a(n+2), a(0) = 1, a(1) = 10, a(2) = -142\}$ , ogf]  
A159328 11.2611 [  $-2*(x^2-x+1)/(x^3-2x^2+3x-1)$  ogf]  
A159328 12.9512  $-(2-2x+x^4+2x^2-2x^3)/(x^2-x+1)/(x^3-2x^2+3x-1)$  lgdogf  
A159328 6.07902 [  $\{a(n+3)-3a(n+2)+2a(n+1)-a(n), a(0) = 2, a(1) = 4, a(2) = 10\}$ , ogf]  
A159329 8.59093  $(4-6x+x^6-4x^5+14x^4+13x^2-20x^3)/(x^3-2x^2+3x-1)/(x^4-2x^3-x^2+2x-2)$  lgdogf  
A159329 8.87743 [  $(x^4-2x^3-x^2+2x-2)/(x^3-2x^2+3x-1)$  ogf]  
A159330 6.63458  $(-4+6x+3x^8-12x^7+27x^6-30x^5+5x^4-13x^2+16x^3)/(x^6-2x^5+2x^3+x^2-2x+2)/(x^3-2x^2+3x-1)$  lgdogf  
A159330 8.04191 [  $-(x^6-2x^5+2x^3+x^2-2x+2)/(x^3-2x^2+3x-1)$  ogf]

A159331 6.76794 [  $-(x^8-2x^7+2x^6-2x^5+2x^3+x^2-2x+2)/(x^3-2x^2+3x-1)$  ogf ]  
A159333 3.25224 [  $\{n^2a(n+1)-na(n+2)+(-n^2-6n-8)a(n+3)+(n+4)a(n+4), a(0) = -1, a(1) = 1, a(2) = 1, a(3) = 1\}$ , ogf ]  
A159334 7.44547  $-(4-6x+x^8+5x^6-14x^5+25x^4+21x^2-28x^3)/(x^2+1)/(x^3-2x^2+3x-1)/(x^4+3x^2-2x+2)$  lgdogf  
A159334 8.04191 [  $-(x^4+3x^2-2x+2)/(x^2+1)/(x^3-2x^2+3x-1)$  ogf ]  
A159336 10.2036 [  $(x^4-2x^3+x-1)/(x^3-2x^2+3x-1)$  ogf ]  
A159336 5.10180 [  $\{-a(n+3)+3a(n+2)-2a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 11, a(4) = 26\}$ , ogf ]  
A159336 9.58949  $(2-4x-4x^5+13x^4-18x^3+x^6+11x^2)/(x^3-2x^2+3x-1)/(x^4-2x^3+x-1)$  lgdogf  
A159337 7.26783  $(-2+4x-30x^5+6x^4+14x^3+27x^6-12x^7+3x^8-11x^2)/(x^3-2x^2+3x-1)/(x^6-2x^5+2x^3-x+1)$  lgdogf  
A159337 9.14348 [  $-(x^6-2x^5+2x^3-x+1)/(x^3-2x^2+3x-1)$  ogf ]  
A159338 6.05652  $(2-4x+24x^5-6x^4-14x^3+5x^{10}+2x^6-40x^7+41x^8+11x^2-20x^9)/(x^3-2x^2+3x-1)/(x^8-2x^7+2x^5-2x^3+x-1)$  lgdogf  
A159338 8.28292 [  $(x^8-2x^7+2x^5-2x^3+x-1)/(x^3-2x^2+3x-1)$  ogf ]  
A159339 8.12287  $-(2-4x-8x^5+18x^4-22x^3+x^6+2x^7+15x^2)/(x^2+1)/(x^3+x^2-x+1)/(x^3-2x^2+3x-1)$  lgdogf  
A159339 8.28292 [  $-(x^3+x^2-x+1)/(x^2+1)/(x^3-2x^2+3x-1)$  ogf ]  
A159340 4.91543 [  $\{-a(n+5)+3a(n+4)-2a(n+3)+a(n+2), a(0) = 2, a(1) = 3, a(2) = 6, a(3) = 16, a(4) = 38\}$ , ogf ]  
A159340 9.32017 [  $(x-2)*(x^3-x+1)/(x^3-2x^2+3x-1)$  ogf ]  
A159340 9.77845  $(3-6x-4x^5+14x^4-22x^3+x^6+15x^2)/(x-2)/(x^3-x+1)/(x^3-2x^2+3x-1)$  lgdogf  
A159341 6.97078  $(-3+6x-30x^5+5x^4+18x^3-12x^7+27x^6+3x^8-15x^2)/(x^6-2x^5+2x^3+x^2-3x+2)/(x^3-2x^2+3x-1)$  lgdogf  
A159341 8.44298 [  $-(x^6-2x^5+2x^3+x^2-3x+2)/(x^3-2x^2+3x-1)$  ogf ]  
A159342 5.50038  $(-3+6x-36x^5+5x^4+18x^3-64x^7+56x^6+5x^{10}-20x^9+47x^8-15x^2)/(x^3-2x^2+3x-1)/(x^8-2x^7+2x^6-2x^5+2x^3+x^2-3x+2)$  lgdogf  
A159342 7.10548 [  $-(x^8-2x^7+2x^6-2x^5+2x^3+x^2-3x+2)/(x^3-2x^2+3x-1)$  ogf ]  
A159343 7.04048  $-(3-6x-18x^5+28x^4-30x^3-2x^7+7x^6+x^8+21x^2)/(x^2+1)/(x^3-2x^2+3x-1)/(x^4-x^3+3x^2-3x+2)$  lgdogf  
A159343 7.71670 [  $-(x^4-x^3+3x^2-3x+2)/(x^2+1)/(x^3-2x^2+3x-1)$  ogf ]  
A159347 10.3517 [  $(x+1)*(x-1)^3/(x^3-2x^2+3x-1)$  ogf ]  
A159347 13.2176  $(1-2x+x^4+8x^2-2x^3)/(x-1)/(x+1)/(x^3-2x^2+3x-1)$  lgdogf  
A159347 4.92600 [  $\{a(n+5)-3a(n+4)+2a(n+3)-a(n+2), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 4, a(4) = 10\}$ , ogf ]  
A159348 8.54310  $(1-3x+3x^7-9x^6+18x^5-12x^4+10x^2-6x^3)/(x-1)/(x^3-2x^2+3x-1)/(x^4-x^2+1)$  lgdogf  
A159348 9.27623 [  $-(x^4-x^2+1)*(x-1)^2/(x^3-2x^2+3x-1)$  ogf ]  
A159349 6.93598  $(1-3x+5x^9-15x^8+32x^7-32x^6+24x^5-12x^4+10x^2-6x^3)/(x-1)/(x^3-2x^2+3x-1)/(x^6+x^4-x^2+1)$  lgdogf  
A159349 7.68032 [  $-(x^6+x^4-x^2+1)*(x-1)^2/(x^3-2x^2+3x-1)$  ogf ]  
A159350 10.4557  $-(-1+3x+3x^5-9x^4-12x^2+12x^3)/(x-1)/(x^2+1)/(x^3-2x^2+3x-1)$  lgdogf  
A159350 9.27623 [  $-(x-1)^2/(x^2+1)/(x^3-2x^2+3x-1)$  ogf ]  
A159355 3.78078 [  $-(x^8-9x^7+37x^6-88x^5+252x^4+591x^3+801x^2+90x+5)/(x-1)^9$  ogf ]  
A159356 3.30926 [  $-(x^8-21x^7-499x^6+608x^5+22972x^4+36231x^3+12673x^2+686x+9)/(x-1)^9$  ogf ]  
A159357 3.21417 [  $-(17x^8+71x^7-2899x^6-11016x^5+220332x^4+345015x^3+91881x^2+3106x+13)/(x-1)^9$  ogf ]  
A159358 4.58524 [  $-(60x^9-395x^8+1899x^7-8731x^6-75688x^5+911268x^4+1543903x^3+388569x^2+10674x+21)/(x-1)^9$  ogf ]

A159449 46.9503  $-12+242*x+f(x)$  lgdegf  
A159449 5.14511  $[ \{ (-242*n-484)*a(n+1)-a(n+3)+12*a(n+2), a(0) = 1, a(1) = 12, a(2) = -98 \}, ogf]$   
A159450 46.9503  $-14+242*x+f(x)$  lgdegf  
A159450 5.14511  $[ \{ (242*n+484)*a(n+1)+a(n+3)-14*a(n+2), a(0) = 1, a(1) = 14, a(2) = -46 \}, ogf]$   
A159454 47.1527  $-16+242*x+f(x)$  lgdegf  
A159454 5.19044  $[ \{ (-242*n-484)*a(n+1)-a(n+3)+16*a(n+2), a(0) = 1, a(1) = 16, a(2) = 14 \}, ogf]$   
A159460 46.3432  $-18+242*x+f(x)$  lgdegf  
A159460 5.12244  $[ \{ (242*n+484)*a(n+1)+a(n+3)-18*a(n+2), a(0) = 1, a(1) = 18, a(2) = 82 \}, ogf]$   
A159466 7.82642  $[ -(x-1)*(113*x^4+240*x^3+385*x^2+240*x+113)/(x^6-6*x^3+1)$  ogf]  
A159469 12.0762  $[ -2*(x+3)/(x+1)^2/(x-1)^3$  ogf]  
A159469 25.5504  $-4*(1+4*x+x^2)/(x-1)/(x+3)/(x+1)$  lgdogf  
A159469 4.16630  $[ \{ (-3*n-12)*a(n+4)+(1-n)*a(n+3)+(22+3*n)*a(n+2)+(5+n)*a(n+1), a(0) = 6, a(1) = 8, a(2) = 20, a(3) = 24 \}, ogf]$   
A159470 47.3551  $-20+242*x+f(x)$  lgdegf  
A159470 5.19422  $[ \{ (-242*n-484)*a(n+1)-a(n+3)+20*a(n+2), a(0) = 1, a(1) = 20, a(2) = 158 \}, ogf]$   
A159472 5.16476  $[ \{ (-72*n-144)*a(n+1)-a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = -71 \}, ogf]$   
A159472 53.4718  $-1+72*x+f(x)$  lgdegf  
A159476 14.2448  $(-n-2)*a(n+1)+a(n+2), a(0)=1, a(1)=1$  lgdegf  
A159480 5.06999  $[ \{ (72*n+144)*a(n+1)+a(n+3)-5*a(n+2), a(0) = 1, a(1) = 5, a(2) = -47 \}, ogf]$   
A159480 52.7493  $-5+72*x+f(x)$  lgdegf  
A159485 5.16476  $[ \{ (72*n+144)*a(n+1)+a(n+3)-7*a(n+2), a(0) = 1, a(1) = 7, a(2) = -23 \}, ogf]$   
A159485 53.7127  $-7+72*x+f(x)$  lgdegf  
A159486 49.3586  $-11+72*x+f(x)$  lgdegf  
A159486 5.08146  $[ \{ (72*n+144)*a(n+1)+a(n+3)-11*a(n+2), a(0) = 1, a(1) = 11, a(2) = 49 \}, ogf]$   
A159488 5.41509  $[ \{ (-338*n-676)*a(n+1)-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 2, a(2) = -334 \}, ogf]$   
A159488 52.5234  $-2+338*x+f(x)$  lgdegf  
A159492 5.46078  $[ \{ (-338*n-676)*a(n+1)-a(n+3)+4*a(n+2), a(0) = 1, a(1) = 4, a(2) = -322 \}, ogf]$   
A159492 52.9592  $-4+338*x+f(x)$  lgdegf  
A159494 5.39224  $[ \{ (-338*n-676)*a(n+1)-a(n+3)+6*a(n+2), a(0) = 1, a(1) = 6, a(2) = -302 \}, ogf]$   
A159494 52.3054  $-6+338*x+f(x)$  lgdegf  
A159496 5.36939  $[ \{ (-338*n-676)*a(n+1)-a(n+3)+8*a(n+2), a(0) = 1, a(1) = 8, a(2) = -274 \}, ogf]$   
A159496 52.0875  $-8+338*x+f(x)$  lgdegf  
A159497 48.9741  $-10+338*x+f(x)$  lgdegf  
A159497 5.32913  $[ \{ (-338*n-676)*a(n+1)-a(n+3)+10*a(n+2), a(0) = 1, a(1) = 10, a(2) = -238 \}, ogf]$   
A159498 49.1764  $-12+338*x+f(x)$  lgdegf  
A159498 5.37410  $[ \{ (-338*n-676)*a(n+1)-a(n+3)+12*a(n+2), a(0) = 1, a(1) = 12, a(2) = -194 \}, ogf]$   
A159500 49.3788  $-14+338*x+f(x)$  lgdegf  
A159500 5.37410  $[ \{ (338*n+676)*a(n+1)+a(n+3)-14*a(n+2), a(0) = 1, a(1) = 14, a(2) = -142 \}, ogf]$   
A159501 49.3788  $-16+338*x+f(x)$  lgdegf  
A159501 5.41710  $[ \{ (-338*n-676)*a(n+1)-a(n+3)+16*a(n+2), a(0) = 1, a(1) = 16, a(2) = -82 \}, ogf]$   
A159502 49.3788  $-18+338*x+f(x)$  lgdegf  
A159502 5.43976  $[ \{ (338*n+676)*a(n+1)+a(n+3)-18*a(n+2), a(0) = 1, a(1) = 18, a(2) = -14 \}, ogf]$   
A159504 49.5812  $-20+338*x+f(x)$  lgdegf

A159504 5.46243 [ $\{(338*n+676)*a(n+1)+a(n+3)-20*a(n+2), a(0) = 1, a(1) = 20, a(2) = 62\}$ , ogf]  
A159505 48.9741  $-22+338*x+f(x)$  lgdegf  
A159505 5.39659 [ $\{(338*n+676)*a(n+1)+a(n+3)-22*a(n+2), a(0) = 1, a(1) = 22, a(2) = 146\}$ , ogf]  
A159506 49.3788  $-24+338*x+f(x)$  lgdegf  
A159506 5.41908 [ $\{(-338*n-676)*a(n+1)-a(n+3)+24*a(n+2), a(0) = 1, a(1) = 24, a(2) = 238\}$ , ogf]  
A159507 5.33060 [ $\{(-98*n-196)*a(n+1)-a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = -97\}$ , ogf]  
A159507 55.1579  $-1+98*x+f(x)$  lgdegf  
A159508 5.35430 [ $\{(98*n+196)*a(n+1)+a(n+3)-3*a(n+2), a(0) = 1, a(1) = 3, a(2) = -89\}$ , ogf]  
A159508 55.3988  $-3+98*x+f(x)$  lgdegf  
A159509 5.33060 [ $\{(-98*n-196)*a(n+1)-a(n+3)+5*a(n+2), a(0) = 1, a(1) = 5, a(2) = -73\}$ , ogf]  
A159509 55.1579  $-5+98*x+f(x)$  lgdegf  
A159510 4.76072 [ $\{(98*n+196)*a(n+1)+a(n+3)-9*a(n+2), a(0) = 1, a(1) = 9, a(2) = -17\}$ , ogf]  
A159510 49.5812  $-9+98*x+f(x)$  lgdegf  
A159511 4.66109 [ $\{(98*n+196)*a(n+1)+a(n+3)-11*a(n+2), a(0) = 1, a(1) = 11, a(2) = 23\}$ , ogf]  
A159511 45.3314  $-11+98*x+f(x)$  lgdegf  
A159512 4.66109 [ $\{(98*n+196)*a(n+1)+a(n+3)-13*a(n+2), a(0) = 1, a(1) = 13, a(2) = 71\}$ , ogf]  
A159512 45.1134  $-13+98*x+f(x)$  lgdegf  
A159513 100.781  $2-450*x$  lgdegf  
A159513 5.59787 [ $\{(-450*n-900)*a(n+1)-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 2, a(2) = -446\}$ , ogf]  
A159514 101.591  $4-450*x$  lgdegf  
A159514 5.64357 [ $\{(-450*n-900)*a(n+1)-a(n+3)+4*a(n+2), a(0) = 1, a(1) = 4, a(2) = -434\}$ , ogf]  
A159515 100.781  $8-450*x$  lgdegf  
A159515 5.59787 [ $\{(-450*n-900)*a(n+1)-a(n+3)+8*a(n+2), a(0) = 1, a(1) = 8, a(2) = -386\}$ , ogf]  
A159516 4.84103 [ $\{(450*n+900)*a(n+1)+a(n+3)-14*a(n+2), a(0) = 1, a(1) = 14, a(2) = -254\}$ , ogf]  
A159516 44.1634  $-14+450*x+f(x)$  lgdegf  
A159517 4.77502 [ $\{(-450*n-900)*a(n+1)-a(n+3)+16*a(n+2), a(0) = 1, a(1) = 16, a(2) = -194\}$ , ogf]  
A159517 43.7673  $-16+450*x+f(x)$  lgdegf  
A159518 4.83540 [ $\{(450*n+900)*a(n+1)+a(n+3)-22*a(n+2), a(0) = 1, a(1) = 22, a(2) = 34\}$ , ogf]  
A159518 43.7673  $-22+450*x+f(x)$  lgdegf  
A159519 4.84103 [ $\{(450*n+900)*a(n+1)+a(n+3)-26*a(n+2), a(0) = 1, a(1) = 26, a(2) = 226\}$ , ogf]  
A159519 43.9654  $-26+450*x+f(x)$  lgdegf  
A159520 4.84103 [ $\{(450*n+900)*a(n+1)+a(n+3)-28*a(n+2), a(0) = 1, a(1) = 28, a(2) = 334\}$ , ogf]  
A159520 44.1634  $-28+450*x+f(x)$  lgdegf  
A159521 4.77533 [ $\{(-128*n-256)*a(n+1)-a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = -127\}$ , ogf]  
A159521 46.4211  $-1+128*x+f(x)$  lgdegf  
A159522 4.79818 [ $\{(-128*n-256)*a(n+1)-a(n+3)+3*a(n+2), a(0) = 1, a(1) = 3, a(2) = -119\}$ , ogf]  
A159522 46.6390  $-3+128*x+f(x)$  lgdegf  
A159523 4.72963 [ $\{(-128*n-256)*a(n+1)-a(n+3)+5*a(n+2), a(0) = 1, a(1) = 5, a(2) = -103\}$ , ogf]  
A159523 45.9852  $-5+128*x+f(x)$  lgdegf  
A159524 5.52225 [ $\{(128*n+256)*a(n+1)+a(n+3)-7*a(n+2), a(0) = 1, a(1) = 7, a(2) = -79\}$ , ogf]

A159524 53.1383  $-7+128*x+f(x)$  lgdegf  
A159525 4.76808 [ $\{(128*n+256)*a(n+1)+a(n+3)-9*a(n+2), a(0) = 1, a(1) = 9, a(2) = -47\}$ , ogf]  
A159525 46.2031  $-9+128*x+f(x)$  lgdegf  
A159526 4.79818 [ $\{(128*n+256)*a(n+1)+a(n+3)-11*a(n+2), a(0) = 1, a(1) = 11, a(2) = -7\}$ , ogf]  
A159526 43.3076  $-11+128*x+f(x)$  lgdegf  
A159527 4.75979 [ $\{(128*n+256)*a(n+1)+a(n+3)-13*a(n+2), a(0) = 1, a(1) = 13, a(2) = 41\}$ , ogf]  
A159527 43.3076  $-13+128*x+f(x)$  lgdegf  
A159528 4.80513 [ $\{(128*n+256)*a(n+1)+a(n+3)-15*a(n+2), a(0) = 1, a(1) = 15, a(2) = 97\}$ , ogf]  
A159528 43.5100  $-15+128*x+f(x)$  lgdegf  
A159529 103.210  $2-578*x$  lgdegf  
A159529 5.68909 [ $\{(-578*n-1156)*a(n+1)-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 2, a(2) = -574\}$ , ogf]  
A159530 4.96848 [ $\{(-578*n-1156)*a(n+1)-a(n+3)+4*a(n+2), a(0) = 1, a(1) = 4, a(2) = -562\}$ , ogf]  
A159530 48.6270  $-4+578*x+f(x)$  lgdegf  
A159531 4.99066 [ $\{(-578*n-1156)*a(n+1)-a(n+3)+6*a(n+2), a(0) = 1, a(1) = 6, a(2) = -542\}$ , ogf]  
A159531 48.8402  $-6+578*x+f(x)$  lgdegf  
A159532 4.96848 [ $\{(-578*n-1156)*a(n+1)-a(n+3)+8*a(n+2), a(0) = 1, a(1) = 8, a(2) = -514\}$ , ogf]  
A159532 48.6270  $-8+578*x+f(x)$  lgdegf  
A159533 4.86841 [ $\{(578*n+1156)*a(n+1)+a(n+3)-10*a(n+2), a(0) = 1, a(1) = 10, a(2) = -478\}$ , ogf]  
A159533 44.7575  $-10+578*x+f(x)$  lgdegf  
A159534 4.86841 [ $\{(-578*n-1156)*a(n+1)-a(n+3)+12*a(n+2), a(0) = 1, a(1) = 12, a(2) = -434\}$ , ogf]  
A159534 44.7575  $-12+578*x+f(x)$  lgdegf  
A159535 4.91207 [ $\{(-578*n-1156)*a(n+1)-a(n+3)+14*a(n+2), a(0) = 1, a(1) = 14, a(2) = -382\}$ , ogf]  
A159535 45.3517  $-14+578*x+f(x)$  lgdegf  
A159536 4.91207 [ $\{(-578*n-1156)*a(n+1)-a(n+3)+16*a(n+2), a(0) = 1, a(1) = 16, a(2) = -322\}$ , ogf]  
A159536 45.1536  $-16+578*x+f(x)$  lgdegf  
A159537 4.89024 [ $\{(578*n+1156)*a(n+1)+a(n+3)-18*a(n+2), a(0) = 1, a(1) = 18, a(2) = -254\}$ , ogf]  
A159537 45.1536  $-18+578*x+f(x)$  lgdegf  
A159538 4.91207 [ $\{(-578*n-1156)*a(n+1)-a(n+3)+20*a(n+2), a(0) = 1, a(1) = 20, a(2) = -178\}$ , ogf]  
A159538 45.1536  $-20+578*x+f(x)$  lgdegf  
A159539 4.92905 [ $\{(578*n+1156)*a(n+1)+a(n+3)-22*a(n+2), a(0) = 1, a(1) = 22, a(2) = -94\}$ , ogf]  
A159539 45.1536  $-22+578*x+f(x)$  lgdegf  
A159540 4.94630 [ $\{(578*n+1156)*a(n+1)+a(n+3)-24*a(n+2), a(0) = 1, a(1) = 24, a(2) = -2\}$ , ogf]  
A159540 44.7575  $-24+578*x+f(x)$  lgdegf  
A159541 4.95106 [ $\{(578*n+1156)*a(n+1)+a(n+3)-26*a(n+2), a(0) = 1, a(1) = 26, a(2) = 98\}$ , ogf]  
A159541 45.1536  $-26+578*x+f(x)$  lgdegf  
A159542 4.93390 [ $\{(578*n+1156)*a(n+1)+a(n+3)-28*a(n+2), a(0) = 1, a(1) = 28, a(2) = 206\}$ , ogf]  
A159542 45.1536  $-28+578*x+f(x)$  lgdegf  
A159543 4.91207 [ $\{(578*n+1156)*a(n+1)+a(n+3)-30*a(n+2), a(0) = 1, a(1) = 30, a(2) = 322\}$ , ogf]  
A159543 45.1536  $-30+578*x+f(x)$  lgdegf  
A159544 4.95573 [ $\{(578*n+1156)*a(n+1)+a(n+3)-32*a(n+2), a(0) = 1, a(1) = 32, a(2) = 446\}$ , ogf]  
A159544 45.5497  $-32+578*x+f(x)$  lgdegf

A159545 4.88957 [  $\{(162*n+324)*a(n+1)+a(n+3)-a(n+2), a(0) = 1, a(1) = 1, a(2) = -161\}$ , ogf]  
A159545 47.5108  $-1+162*x+f(x)$  lgdegf  
A159546 4.91242 [  $\{(162*n+324)*a(n+1)+a(n+3)-5*a(n+2), a(0) = 1, a(1) = 5, a(2) = -137\}$ , ogf]  
A159546 47.9466  $-5+162*x+f(x)$  lgdegf  
A159548 7.53116 [  $-(x-1)*(181*x^4+380*x^3+601*x^2+380*x+181)/(x^6-6*x^3+1)$  ogf]  
A159551 17.0691 [  $(91*x+10)/(x-1)^2$  ogf]  
A159551 24.5972  $-(-5-x+(25+101*x)^{(1/2)})/(-91+x)$  revogf  
A159551 29.1523  $-(111+91*x)/(91*x+10)/(x-1)$  lgdogf  
A159551 9.43821 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 10, a(1) = 111\}$ , ogf]  
A159552 4.93527 [  $\{(162*n+324)*a(n+1)+a(n+3)-7*a(n+2), a(0) = 1, a(1) = 7, a(2) = -113\}$ , ogf]  
A159552 48.1646  $-7+162*x+f(x)$  lgdegf  
A159561 4.94112 [  $\{(162*n+324)*a(n+1)+a(n+3)-11*a(n+2), a(0) = 1, a(1) = 11, a(2) = -41\}$ , ogf]  
A159561 45.1290  $-11+162*x+f(x)$  lgdegf  
A159562 4.91242 [  $\{(162*n+324)*a(n+1)+a(n+3)-13*a(n+2), a(0) = 1, a(1) = 13, a(2) = 7\}$ , ogf]  
A159562 44.1171  $-13+162*x+f(x)$  lgdegf  
A159563 4.90190 [  $\{(162*n+324)*a(n+1)+a(n+3)-17*a(n+2), a(0) = 1, a(1) = 17, a(2) = 127\}$ , ogf]  
A159563 44.7242  $-17+162*x+f(x)$  lgdegf  
A159564 49.4801  $-2+722*x+f(x)$  lgdegf  
A159564 5.05721 [  $\{(-722*n-1444)*a(n+1)-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 2, a(2) = -718\}$ , ogf]  
A159565 7.63978 [  $-(x-1)*(221*x^4+462*x^3+727*x^2+462*x+221)/(x^6-6*x^3+1)$  ogf]  
A159574 7.30934 [  $-(x-1)*(313*x^4+650*x^3+1015*x^2+650*x+313)/(x^6-6*x^3+1)$  ogf]  
A159582 11.5641 [  $-(2*x^3-x^2-6*x-1)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A159582 8.69531  $-2*(3+7*x+x^6-x^5-3*x^4+15*x^2-2*x^3)/(x^2+2*x-1)/(x^2-2*x-1)/(2*x^3-x^2-6*x-1)$  lgdogf  
A159584 5.30011 [  $-(-5*x^{11}-3*x^9-2*x^8-3*x^7-3*x^5-3*x^3-2*x^2-3*x)/(x^{12}-1)$  ogf\_with\_Euler\_transform]  
A159589 7.38100 [  $-(x-1)*(421*x^4+870*x^3+1351*x^2+870*x+421)/(x^6-6*x^3+1)$  ogf]  
A159605 5.49355 [  $\{(8*n^2+26*n+21)*a(n+1)-a(n+2), a(0) = 1, a(1) = 3\}$ , ogf]  
A159612 10.1763 [  $\{a(n+2)-a(n+1)-4*a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A159612 18.5436 [  $-(3*x+1)/(4*x^2+x-1)$  ogf]  
A159612 20.5181  $1/2/(3+4*x)*(-1-x+(1+14*x+17*x^2)^{(1/2)})$  revogf  
A159612 22.7979  $-4*(1+2*x+3*x^2)/(3*x+1)/(4*x^2+x-1)$  lgdogf  
A159616 11.5477 [  $-(x-1)/(8*x^3-2*x^2-5*x+1)$  ogf]  
A159616 12.2380  $-2*(2+2*x-13*x^2+8*x^3)/(x-1)/(8*x^3-2*x^2-5*x+1)$  lgdogf  
A159616 5.41616 [  $\{a(n+3)-5*a(n+2)-2*a(n+1)+8*a(n), a(0) = 1, a(1) = 4, a(2) = 22\}$ , ogf]  
A159617 11.9264 [  $-(x-1)/(8*x^3-8*x^2-8*x+1)$  ogf]  
A159617 12.6554  $-(7+16*x+16*x^3-32*x^2)/(x-1)/(8*x^3-8*x^2-8*x+1)$  lgdogf  
A159617 5.59380 [  $\{-a(n+3)+8*a(n+2)+8*a(n+1)-8*a(n), a(0) = 1, a(1) = 7, a(2) = 64\}$ , ogf]  
A159618 49.6933  $-4+722*x+f(x)$  lgdegf  
A159618 5.07938 [  $\{(-722*n-1444)*a(n+1)-a(n+3)+4*a(n+2), a(0) = 1, a(1) = 4, a(2) = -706\}$ , ogf]  
A159620 5.16810 [  $\{(722*n+1444)*a(n+1)+a(n+3)-6*a(n+2), a(0) = 1, a(1) = 6, a(2) = -686\}$ , ogf]  
A159620 50.5464  $-6+722*x+f(x)$  lgdegf  
A159621 5.14593 [  $\{(-722*n-1444)*a(n+1)-a(n+3)+8*a(n+2), a(0) = 1, a(1) = 8, a(2) = -658\}$ , ogf]  
A159621 50.3332  $-8+722*x+f(x)$  lgdegf  
A159622 46.7379  $-10+722*x+f(x)$  lgdegf  
A159622 5.06489 [  $\{(-722*n-1444)*a(n+1)-a(n+3)+10*a(n+2), a(0) = 1, a(1) = 10, a(2) = -622\}$ , ogf]  
A159626 7.52432 [  $-(x-1)*(545*x^4+1122*x^3+1735*x^2+1122*x+545)/(x^6-6*x^3+1)$  ogf]

A159641 7.12327 [  $-(x-1)*(613*x^4+1260*x^3+1945*x^2+1260*x+613)/(x^6-6*x^3+1)$  ogf]  
A159644 4.99939 [  $\{(-722*n-1444)*a(n+1)-a(n+3)+12*a(n+2), a(0) = 1, a(1) = 12, a(2) = -578\}$ , ogf]  
A159644 46.1438  $-12+722*x+f(x)$  lgdegf  
A159645 46.1438  $-14+722*x+f(x)$  lgdegf  
A159645 5.02123 [  $\{(-722*n-1444)*a(n+1)-a(n+3)+14*a(n+2), a(0) = 1, a(1) = 14, a(2) = -526\}$ , ogf]  
A159646 4.99939 [  $\{(-722*n-1444)*a(n+1)-a(n+3)+16*a(n+2), a(0) = 1, a(1) = 16, a(2) = -466\}$ , ogf]  
A159646 46.1438  $-16+722*x+f(x)$  lgdegf  
A159647 46.5399  $-18+722*x+f(x)$  lgdegf  
A159647 5.06489 [  $\{(722*n+1444)*a(n+1)+a(n+3)-18*a(n+2), a(0) = 1, a(1) = 18, a(2) = -398\}$ , ogf]  
A159648 46.5399  $-20+722*x+f(x)$  lgdegf  
A159648 5.04306 [  $\{(722*n+1444)*a(n+1)+a(n+3)-20*a(n+2), a(0) = 1, a(1) = 20, a(2) = -322\}$ , ogf]  
A159649 46.5399  $-22+722*x+f(x)$  lgdegf  
A159649 5.06489 [  $\{(722*n+1444)*a(n+1)+a(n+3)-22*a(n+2), a(0) = 1, a(1) = 22, a(2) = -238\}$ , ogf]  
A159650 46.5399  $-24+722*x+f(x)$  lgdegf  
A159650 5.04306 [  $\{(722*n+1444)*a(n+1)+a(n+3)-24*a(n+2), a(0) = 1, a(1) = 24, a(2) = -146\}$ , ogf]  
A159651 46.1438  $-26+722*x+f(x)$  lgdegf  
A159651 5.06108 [  $\{(722*n+1444)*a(n+1)+a(n+3)-26*a(n+2), a(0) = 1, a(1) = 26, a(2) = -46\}$ , ogf]  
A159652 46.5399  $-28+722*x+f(x)$  lgdegf  
A159652 5.10509 [  $\{(722*n+1444)*a(n+1)+a(n+3)-28*a(n+2), a(0) = 1, a(1) = 28, a(2) = 62\}$ , ogf]  
A159653 46.5399  $-30+722*x+f(x)$  lgdegf  
A159653 5.06489 [  $\{(722*n+1444)*a(n+1)+a(n+3)-30*a(n+2), a(0) = 1, a(1) = 30, a(2) = 178\}$ , ogf]  
A159654 46.5399  $-32+722*x+f(x)$  lgdegf  
A159654 5.08672 [  $\{(722*n+1444)*a(n+1)+a(n+3)-32*a(n+2), a(0) = 1, a(1) = 32, a(2) = 302\}$ , ogf]  
A159655 46.7379  $-34+722*x+f(x)$  lgdegf  
A159655 5.08672 [  $\{(722*n+1444)*a(n+1)+a(n+3)-34*a(n+2), a(0) = 1, a(1) = 34, a(2) = 434\}$ , ogf]  
A159656 46.1438  $-36+722*x+f(x)$  lgdegf  
A159656 5.02123 [  $\{(722*n+1444)*a(n+1)+a(n+3)-36*a(n+2), a(0) = 1, a(1) = 36, a(2) = 574\}$ , ogf]  
A159657 49.0363  $-1+200*x+f(x)$  lgdegf  
A159657 5.04951 [  $\{(-200*n-400)*a(n+1)-a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = -199\}$ , ogf]  
A159658 49.9081  $-3+200*x+f(x)$  lgdegf  
A159658 5.14090 [  $\{(-200*n-400)*a(n+1)-a(n+3)+3*a(n+2), a(0) = 1, a(1) = 3, a(2) = -191\}$ , ogf]  
A159659 49.0363  $-7+200*x+f(x)$  lgdegf  
A159659 5.04951 [  $\{(200*n+400)*a(n+1)+a(n+3)-7*a(n+2), a(0) = 1, a(1) = 7, a(2) = -151\}$ , ogf]  
A159660 49.2543  $-9+200*x+f(x)$  lgdegf  
A159660 5.07236 [  $\{(200*n+400)*a(n+1)+a(n+3)-9*a(n+2), a(0) = 1, a(1) = 9, a(2) = -119\}$ , ogf]  
A159661 15.2059 [  $(x+1)/(x^2-24*x+1)$  ogf]  
A159661 8.32702 [  $\{-a(n+2)+24*a(n+1)-a(n), a(0) = 1, a(1) = 25\}$ , ogf]  
A159663 45.9385  $-11+200*x+f(x)$  lgdegf  
A159663 5.03178 [  $\{(200*n+400)*a(n+1)+a(n+3)-11*a(n+2), a(0) = 1, a(1) = 11, a(2) = -79\}$ , ogf]  
A159664 15.2059 [  $-(x-1)/(x^2-24*x+1)$  ogf]  
A159664 15.9979  $-1/2*(-1-24*x+(1+44*x+572*x^2)^(1/2))/(1+x)$  revogf  
A159664 20.8457  $-(23-2*x+x^2)/(-1+x)/(x^2-24*x+1)$  lgdogf

A159664 8.32702 [ $\{a(n+2)-24a(n+1)+a(n), a(0) = 1, a(1) = 23\}$ , ogf]  
A159665 11.4910 [ $-48x/(x-1)/(x^2-574x+1)$  ogf]  
A159665 4.78791 [ $\{a(n+3)-575a(n+2)+575a(n+1)-a(n), a(0) = 0, a(1) = 48, a(2) = 27600\}$ , ogf]  
A159668 13.9197 [ $-(x-1)/(x^2-28x+1)$  ogf]  
A159668 14.6273  $-1/2*(-1-28x+(1+52x+780x^2)^{(1/2)})/(1+x)$  revogf  
A159668 19.0598  $-(27-2x+x^2)/(-1+x)/(x^2-28x+1)$  lgdogf  
A159668 7.62268 [ $\{a(n+2)-28a(n+1)+a(n), a(0) = 1, a(1) = 27\}$ , ogf]  
A159669 13.9197 [ $(x+1)/(x^2-28x+1)$  ogf]  
A159669 14.6273  $-1/2*(-1-28x+(1+60x+780x^2)^{(1/2)})/(x-1)$  revogf  
A159669 19.0598  $-(-29+2x+x^2)/(x+1)/(x^2-28x+1)$  lgdogf  
A159669 7.62268 [ $\{-a(n+2)+28a(n+1)-a(n), a(0) = 1, a(1) = 29\}$ , ogf]  
A159670 45.9385  $-13+200x+f(x)$  lgdegf  
A159670 5.03178 [ $\{(200n+400)a(n+1)+a(n+3)-13a(n+2), a(0) = 1, a(1) = 13, a(2) = -31\}$ , ogf]  
A159673 12.0040 [ $-56x/(x-1)/(x^2-782x+1)$  ogf]  
A159673 5.00165 [ $\{a(n+3)-783a(n+2)+783a(n+1)-a(n), a(0) = 0, a(1) = 56, a(2) = 43848\}$ , ogf]  
A159674 14.5356 [ $-(x-1)/(x^2-32x+1)$  ogf]  
A159674 14.9387  $-1/2*(-1-32x+(1+60x+1020x^2)^{(1/2)})/(1+x)$  revogf  
A159674 19.9183  $-(31-2x+x^2)/(-1+x)/(x^2-32x+1)$  lgdogf  
A159674 7.95998 [ $\{a(n+2)-32a(n+1)+a(n), a(0) = 1, a(1) = 31\}$ , ogf]  
A159675 14.5972 [ $(x+1)/(x^2-32x+1)$  ogf]  
A159675 15.0031  $-1/2*(-1-32x+(1+68x+1020x^2)^{(1/2)})/(x-1)$  revogf  
A159675 20.0042  $-(-33+2x+x^2)/(x+1)/(x^2-32x+1)$  lgdogf  
A159675 7.99370 [ $\{-a(n+2)+32a(n+1)-a(n), a(0) = 1, a(1) = 33\}$ , ogf]  
A159676 45.9385  $-17+200x+f(x)$  lgdegf  
A159676 5.09978 [ $\{(200n+400)a(n+1)+a(n+3)-17a(n+2), a(0) = 1, a(1) = 17, a(2) = 89\}$ , ogf]  
A159677 12.1295 [ $-64x^2/(x-1)/(x^2-1022x+1)$  ogf]  
A159677 5.39090 [ $\{a(n+3)-1023a(n+2)+1023a(n+1)-a(n), a(0) = 0, a(1) = 0, a(2) = 64\}$ , ogf]  
A159678 15.2983 [ $(x+1)/(x^2-16x+1)$  ogf]  
A159678 16.0917  $-1/2*(-1-16x+(1+36x+252x^2)^{(1/2)})/(x-1)$  revogf  
A159678 20.9680  $-(-17+2x+x^2)/(x+1)/(x^2-16x+1)$  lgdogf  
A159678 8.37763 [ $\{-a(n+2)+16a(n+1)-a(n), a(0) = 1, a(1) = 17\}$ , ogf]  
A159679 12.1397 [ $-32x/(x-1)/(x^2-254x+1)$  ogf]  
A159679 5.10071 [ $\{a(n+3)-255a(n+2)+255a(n+1)-a(n), a(0) = 0, a(1) = 32, a(2) = 8160\}$ , ogf]  
A159680 11.7052  $-3*(133-266x+x^2)/(x-1)/(x^2-398x+1)$  lgdogf  
A159680 13.0897 [ $-40x/(x-1)/(x^2-398x+1)$  ogf]  
A159680 5.45406 [ $\{a(n+3)-399a(n+2)+399a(n+1)-a(n), a(0) = 0, a(1) = 40, a(2) = 15960\}$ , ogf]  
A159681 11.9473  $-(143-286x+3x^2)/(x-1)/(x^2-142x+1)$  lgdogf  
A159681 12.9986 [ $-24x/(x-1)/(x^2-142x+1)$  ogf]  
A159681 5.46161 [ $\{a(n+3)-143a(n+2)+143a(n+1)-a(n), a(0) = 0, a(1) = 24, a(2) = 3432\}$ , ogf]  
A159682 46.1408  $-19+200x+f(x)$  lgdegf  
A159682 5.08179 [ $\{(200n+400)a(n+1)+a(n+3)-19a(n+2), a(0) = 1, a(1) = 19, a(2) = 161\}$ , ogf]  
A159683 13.4586 [ $-16x/(x-1)/(x^2-62x+1)$  ogf]  
A159683 5.52148 [ $\{a(n+3)-63a(n+2)+63a(n+1)-a(n), a(0) = 0, a(1) = 16, a(2) = 1008\}$ , ogf]  
A159690 7.19415 [ $-(x-1)*(841x^4+1722x^3+2647x^2+1722x+841)/(x^6-6x^3+1)$  ogf]  
A159693 14.9961  $-2*(1+3x+2x^4-2x^3+4x^2)/(x-1)/(x+1)/(x^3-x^2+x+1)$  lgdogf  
A159693 8.17263 [ $(x^3-x^2+x+1)/(x+1)^3/(x-1)^4$  ogf]  
A159694 14.7136 [ $-(11x-6)/(2x-1)^2$  ogf]  
A159694 22.1119  $-(-3-2x+(9+x)^{(1/2)})/(4x+11)$  revogf  
A159694 23.6914  $-(-13+22x)/(2x-1)/(11x-6)$  lgdogf  
A159694 8.15454 [ $\{-a(n+2)+4a(n+1)-4a(n), a(0) = 6, a(1) = 13\}$ , ogf]



A159695 14.7136 [  $-(13x-7)/(2x-1)^2$  ogf]  
A159695 17.9286  $-1/2*(-7-4x+(49+4x)^{1/2})/(13+4x)$  revogf  
A159695 23.6914  $-(-15+26x)/(2x-1)/(13x-7)$  lgdogf  
A159695 8.15454 [  $\{-a(n+2)+4a(n+1)-4a(n), a(0) = 7, a(1) = 15\}$ , ogf]  
A159696 14.7868 [  $-(15x-8)/(2x-1)^2$  ogf]  
A159696 21.5073  $-(-4-2x+(16+x)^{1/2})/(15+4x)$  revogf  
A159696 23.8116  $-(-17+30x)/(2x-1)/(15x-8)$  lgdogf  
A159696 8.19512 [  $\{-a(n+2)+4a(n+1)-4a(n), a(0) = 8, a(1) = 17\}$ , ogf]  
A159697 13.8359 [  $-(17x-9)/(2x-1)^2$  ogf]  
A159697 16.8411  $-1/2*(-9-4x+(81+4x)^{1/2})/(17+4x)$  revogf  
A159697 21.4869  $-(-19+34x)/(-1+2x)/(17x-9)$  lgdogf  
A159697 7.66807 [  $\{-a(n+2)+4a(n+1)-4a(n), a(0) = 9, a(1) = 19\}$ , ogf]  
A159701 6.68768 [  $-(x-1)*(925x^4+1892x^3+2905x^2+1892x+925)/(x^6-6x^3+1)$  ogf]  
A159705 5.19029 [  $\{(882n+1764)a(n+1)+a(n+3)-2a(n+2), a(0) = 1, a(1) = 2, a(2) = -878\}$ , ogf]  
A159705 50.7597  $-2+882x+f(x)$  lgdegf  
A159706 5.19029 [  $\{(-882n-1764)a(n+1)-a(n+3)+4a(n+2), a(0) = 1, a(1) = 4, a(2) = -866\}$ , ogf]  
A159706 50.7597  $-4+882x+f(x)$  lgdegf  
A159707 5.19029 [  $\{(-882n-1764)a(n+1)-a(n+3)+8a(n+2), a(0) = 1, a(1) = 8, a(2) = -818\}$ , ogf]  
A159707 50.7597  $-8+882x+f(x)$  lgdegf  
A159709 47.5301  $-10+882x+f(x)$  lgdegf  
A159709 5.15221 [  $\{(-882n-1764)a(n+1)-a(n+3)+10a(n+2), a(0) = 1, a(1) = 10, a(2) = -782\}$ , ogf]  
A159710 3.30294 [  $\{(8n^3+40n^2+48n)a(n+1)+(-6n^3-20n^2-2n+12)a(n+2)+(n^3+2n^2-n-2)a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 8\}$ , ogf]  
A159710 5.09959  $-2*(-5+34x+24x^3-66x^2)/(2x-1)/(4x-1)/(2x^2-4x+1)$  lgdogf  
A159710 7.57937 [  $-8x^4*(2x^2-4x+1)/(4x-1)^2/(2x-1)^3$  ogf]  
A159711 4.18454 [  $-16x^6*(144x^4-444x^3+296x^2-73x+6)/(6x-1)^2/(4x-1)^3/(2x-1)^4$  ogf]  
A159715 14.4072 [  $-2*(3x-2)/(3x-1)^2$  ogf]  
A159715 18.1603  $2x/(4+6x)^{1/2}/(2+(4+6x)^{1/2})$  revogf  
A159715 26.4838  $-9*(x-1)/(3x-1)/(3x-2)$  lgdogf  
A159715 7.81111 [  $\{-a(n+2)+6a(n+1)-9a(n), a(0) = 4, a(1) = 18\}$ , ogf]  
A159721 13.5480 [  $-6*(2x-1)/(4x-1)^2$  ogf]  
A159721 16.8754  $3x/(9+12x)^{1/2}/(3+(9+12x)^{1/2})$  revogf  
A159721 22.2996  $-2*(-3+4x)/(-1+4x)/(2x-1)$  lgdogf  
A159721 7.58040 [  $\{-a(n+2)+8a(n+1)-16a(n), a(0) = 6, a(1) = 36\}$ , ogf]  
A159727 12.2950 [  $-4*(5x-2)/(5x-1)^2$  ogf]  
A159727 17.5205  $x/(4+5x)^{1/2}/(2+(4+5x)^{1/2})$  revogf  
A159727 20.6491  $-5*(-3+5x)/(5x-1)/(-2+5x)$  lgdogf  
A159727 6.94305 [  $\{-a(n+2)+10a(n+1)-25a(n), a(0) = 8, a(1) = 60\}$ , ogf]  
A159733 11.7778 [  $-10*(3x-1)/(6x-1)^2$  ogf]  
A159733 14.4957  $5x/(25+30x)^{1/2}/(5+(25+30x)^{1/2})$  revogf  
A159733 20.9382  $-9*(-1+2x)/(6x-1)/(3x-1)$  lgdogf  
A159733 6.71058 [  $\{-a(n+2)+12a(n+1)-36a(n), a(0) = 10, a(1) = 90\}$ , ogf]  
A159736 12.6190 [  $-6*(7x-2)/(7x-1)^2$  ogf]  
A159736 15.5527  $6x/(36+42x)^{1/2}/(6+(36+42x)^{1/2})$  revogf  
A159736 22.4650  $-7*(-3+7x)/(7x-1)/(7x-2)$  lgdogf  
A159736 7.10726 [  $\{-a(n+2)+14a(n+1)-49a(n), a(0) = 12, a(1) = 126\}$ , ogf]  
A159738 11.9154 [  $-14*(4x-1)/(8x-1)^2$  ogf]  
A159738 14.6742  $7x/(49+56x)^{1/2}/(7+(49+56x)^{1/2})$  revogf  
A159738 21.1960  $-4*(-3+8x)/(8x-1)/(4x-1)$  lgdogf  
A159738 6.71098 [  $\{-a(n+2)+16a(n+1)-64a(n), a(0) = 14, a(1) = 168\}$ , ogf]  
A159739 13.5122  $2x/(16+18x)^{1/2}/(4+(16+18x)^{1/2})$  revogf  
A159739 13.8809 [  $-8*(9x-2)/(9x-1)^2$  ogf]  
A159739 19.5177  $-27*(3x-1)/(9x-1)/(9x-2)$  lgdogf  
A159739 7.81800 [  $\{-a(n+2)+18a(n+1)-81a(n), a(0) = 16, a(1) = 216\}$ , ogf]

A159740 13.7045  $x/(9+10*x)^{(1/2)}/(3+(9+10*x)^{(1/2)})$  revogf  
A159740 16.5399  $-5*(-3+10*x)/(10*x-1)/(5*x-1)$  lgdogf  
A159740 5.57668  $[{-a(n+2)+20*a(n+1)-100*a(n), a(0) = 18, a(1) = 270}, ogf]$   
A159740 9.81496  $[ -18*(5*x-1)/(10*x-1)^2 ogf]$   
A159741 17.9939  $-1/4*(-8-3*x+(64+48*x+x^2)^{(1/2)})/x$  revogf  
A159741 19.4883  $[ 8/(x-1)/(2*x-1) ogf]$   
A159741 26.2411  $-(-3+4*x)/(2*x-1)/(-1+x)$  lgdogf  
A159741 7.74837  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 8, a(1) = 24}, ogf]$   
A159742 14.1717  $[ (2*x^2+5*x+13)/(x-1)/(2*x-1) ogf]$   
A159742 15.6597  $-4*(-11+12*x+4*x^2)/(x-1)/(2*x-1)/(2*x^2+5*x+13)$  lgdogf  
A159742 7.21953  $[{-a(n+3)+3*a(n+2)-2*a(n+1), a(0) = 13, a(1) = 44, a(2) = 108}, ogf]$   
A159745 46.5399  $-16+882*x+f(x)$  lgdegf  
A159745 5.06489  $[{(-882*n-1764)*a(n+1)-a(n+3)+16*a(n+2), a(0) = 1, a(1) = 16, a(2) = -626}, ogf]$   
A159748 6.40650  $[ (2*x^7+7*x^6+22*x^5+63*x^4+168*x^3+379*x^2+495*x+144)/(x-1)/(2*x-1) ogf]$   
A159750 8.28894  $[ -(x-1)*(37*x^4+84*x^3+149*x^2+84*x+37)/(x^6-6*x^3+1) ogf]$   
A159753 47.1340  $-20+882*x+f(x)$  lgdegf  
A159753 5.13039  $[{(882*n+1764)*a(n+1)+a(n+3)-20*a(n+2), a(0) = 1, a(1) = 20, a(2) = -482}, ogf]$   
A159754 13.5077  $[ (9*x^2+32*x+9)/(x+1)/(x-1)^2 ogf]$   
A159754 16.4350  $-(41+77*x+73*x^2+9*x^3)/(x-1)/(x+1)/(9*x^2+32*x+9)$  lgdogf  
A159754 7.34632  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 9, a(1) = 41, a(2) = 59}, ogf]$   
A159758 7.87244  $[ -(x-1)*(65*x^4+144*x^3+245*x^2+144*x+65)/(x^6-6*x^3+1) ogf]$   
A159761 46.7379  $-22+882*x+f(x)$  lgdegf  
A159761 5.08672  $[{(882*n+1764)*a(n+1)+a(n+3)-22*a(n+2), a(0) = 1, a(1) = 22, a(2) = -398}, ogf]$   
A159762 47.1340  $-26+882*x+f(x)$  lgdegf  
A159762 5.10855  $[{(882*n+1764)*a(n+1)+a(n+3)-26*a(n+2), a(0) = 1, a(1) = 26, a(2) = -206}, ogf]$   
A159763 47.5301  $-32+882*x+f(x)$  lgdegf  
A159763 5.17405  $[{(882*n+1764)*a(n+1)+a(n+3)-32*a(n+2), a(0) = 1, a(1) = 32, a(2) = 142}, ogf]$   
A159768 9.50539  $-1/2*(-2*x-1-x^2-x^3+(2*x^2+2*x^3+5*x^4+1+2*x^5+x^6)^{(1/2)})/(1+x+x^2)$  revogf  
A159769 13.3851  $-1/2*(-2*x-1-2*x^2+(4*x^3+1+4*x^4)^{(1/2)})/(1+x)^2$  revogf  
A159776 47.1340  $-34+882*x+f(x)$  lgdegf  
A159776 5.13039  $[{(882*n+1764)*a(n+1)+a(n+3)-34*a(n+2), a(0) = 1, a(1) = 34, a(2) = 274}, ogf]$   
A159777 7.45875  $[ -(x-1)*(145*x^4+312*x^3+509*x^2+312*x+145)/(x^6-6*x^3+1) ogf]$   
A159784 47.3321  $-38+882*x+f(x)$  lgdegf  
A159784 5.15221  $[{(882*n+1764)*a(n+1)+a(n+3)-38*a(n+2), a(0) = 1, a(1) = 38, a(2) = 562}, ogf]$   
A159806 49.9081  $-1+242*x+f(x)$  lgdegf  
A159806 5.14090  $[{(242*n+484)*a(n+1)+a(n+3)-a(n+2), a(0) = 1, a(1) = 1, a(2) = -241}, ogf]$   
A159807 5.23230  $[{(-242*n-484)*a(n+1)-a(n+3)+3*a(n+2), a(0) = 1, a(1) = 3, a(2) = -233}, ogf]$   
A159807 50.7798  $-3+242*x+f(x)$  lgdegf  
A159808 5.23230  $[{(-242*n-484)*a(n+1)-a(n+3)+5*a(n+2), a(0) = 1, a(1) = 5, a(2) = -217}, ogf]$   
A159808 50.7798  $-5+242*x+f(x)$  lgdegf  
A159809 7.60358  $[ -(x-1)*(197*x^4+420*x^3+677*x^2+420*x+197)/(x^6-6*x^3+1) ogf]$   
A159814 11.8929  $[ -(-7*x^3-2*x^2-x-2)/(x^4-1) ogf\_with\_Euler\_transform]$   
A159815 4.93395  $[ - (47636*x^17-22*x^16-47614*x^15+15050*x^7-15050*x^5+6286*x^4+664*x^3-6293*x^2-700*x-7)/(x+1)/(x-1)^2 ogf]$   
A159818 3.41220  $[ -(2*x^19-x^18+2*x^17-x^16+x^15-2*x^14+2*x^13-x^12+x^11-x^10+4*x^9-x^8+x^7-x^6+2*x^5-2*x^4+x^3-x^2+2*x-1)/(-x^20+1)$

ogf\_with\_Euler\_transform]  
 A159819 5.06992  $[-(-4*x^{11}+x^{10}-3*x^9+2*x^8-2*x^7+x^6-6*x^5+x^4-2*x^3+2*x^2-3*x+1)/(x^{12}-1)$  ogf\_with\_Euler\_transform]  
 A159826 49.9081  $-7+242*x+f(x)$  lgdegf  
 A159826 5.11806  $[{-242*n-484}*a(n+1)-a(n+3)+7*a(n+2), a(0) = 1, a(1) = 7, a(2) = -193]$ , ogf]  
 A159831 5.20945  $[{(242*n+484)*a(n+1)+a(n+3)-9*a(n+2), a(0) = 1, a(1) = 9, a(2) = -161}]$ , ogf]  
 A159831 50.7798  $-9+242*x+f(x)$  lgdegf  
 A159832 46.9503  $-13+242*x+f(x)$  lgdegf  
 A159832 5.16778  $[{(242*n+484)*a(n+1)+a(n+3)-13*a(n+2), a(0) = 1, a(1) = 13, a(2) = -73}]$ , ogf]  
 A159833 15.7498  $-(19-6*x+8*x^3+9*x^2)/(x-1)/(x+1)/(4*x^2-5*x+4)$  lgdogf  
 A159833 4.05984  $[{-13*n^2-89*n-126}*a(n+1)+(26*n^2+104*n-36)*a(n+2)+(-13*n^2-15*n+22)*a(n+3), a(0) = 0, a(1) = 4, a(2) = 19]$ , ogf]  
 A159833 8.25353  $[-x*(x+1)*(4*x^2-5*x+4)/(x-1)^5$  ogf]  
 A159840 46.9503  $-15+242*x+f(x)$  lgdegf  
 A159840 5.16778  $[{(242*n+484)*a(n+1)+a(n+3)-15*a(n+2), a(0) = 1, a(1) = 15, a(2) = -17}]$ , ogf]  
 A159844 7.34517  $[-(x-1)*(325*x^4+684*x^3+1085*x^2+684*x+325)/(x^6-6*x^3+1)$  ogf]  
 A159850 47.1527  $-17+242*x+f(x)$  lgdegf  
 A159850 5.19044  $[{(242*n+484)*a(n+1)+a(n+3)-17*a(n+2), a(0) = 1, a(1) = 17, a(2) = 47}]$ , ogf]  
 A159851 46.9503  $-19+242*x+f(x)$  lgdegf  
 A159851 5.17173  $[{(242*n+484)*a(n+1)+a(n+3)-19*a(n+2), a(0) = 1, a(1) = 19, a(2) = 119}]$ , ogf]  
 A159857 46.9503  $-21+242*x+f(x)$  lgdegf  
 A159857 5.17173  $[{(242*n+484)*a(n+1)+a(n+3)-21*a(n+2), a(0) = 1, a(1) = 21, a(2) = 199}]$ , ogf]  
 A159858 48.1242  $-2+1058*x+f(x)$  lgdegf  
 A159858 5.21771  $[{-1058*n-2116}*a(n+1)-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 2, a(2) = -1054}]$ , ogf]  
 A159859 48.5203  $-4+1058*x+f(x)$  lgdegf  
 A159859 5.26137  $[{-1058*n-2116}*a(n+1)-a(n+3)+4*a(n+2), a(0) = 1, a(1) = 4, a(2) = -1042}]$ , ogf]  
 A159865 48.7184  $-6+1058*x+f(x)$  lgdegf  
 A159865 5.28320  $[{-1058*n-2116}*a(n+1)-a(n+3)+6*a(n+2), a(0) = 1, a(1) = 6, a(2) = -1022}]$ , ogf]  
 A159868 48.3223  $-8+1058*x+f(x)$  lgdegf  
 A159868 5.28113  $[{-1058*n-2116}*a(n+1)-a(n+3)+8*a(n+2), a(0) = 1, a(1) = 8, a(2) = -994}]$ , ogf]  
 A159869 45.4705  $-10+1058*x+f(x)$  lgdegf  
 A159869 5.24193  $[{-1058*n-2116}*a(n+1)-a(n+3)+10*a(n+2), a(0) = 1, a(1) = 10, a(2) = -958}]$ , ogf]  
 A159870 45.4705  $-12+1058*x+f(x)$  lgdegf  
 A159870 5.24193  $[{-1058*n-2116}*a(n+1)-a(n+3)+12*a(n+2), a(0) = 1, a(1) = 12, a(2) = -914}]$ , ogf]  
 A159871 44.9160  $-14+1058*x+f(x)$  lgdegf  
 A159871 5.19861  $[{-1058*n-2116}*a(n+1)-a(n+3)+14*a(n+2), a(0) = 1, a(1) = 14, a(2) = -862}]$ , ogf]  
 A159872 44.9160  $-16+1058*x+f(x)$  lgdegf  
 A159872 5.19861  $[{-1058*n-2116}*a(n+1)-a(n+3)+16*a(n+2), a(0) = 1, a(1) = 16, a(2) = -802}]$ , ogf]  
 A159873 45.2856  $-18+1058*x+f(x)$  lgdegf  
 A159873 5.22027  $[{(1058*n+2116)*a(n+1)+a(n+3)-18*a(n+2), a(0) = 1, a(1) = 18, a(2) = -734}]$ , ogf]  
 A159874 44.9160  $-20+1058*x+f(x)$  lgdegf  
 A159874 5.17695  $[{-1058*n-2116}*a(n+1)-a(n+3)+20*a(n+2), a(0) = 1, a(1) = 20, a(2) = -658}]$ , ogf]  
 A159875 45.2856  $-22+1058*x+f(x)$  lgdegf  
 A159875 5.24193  $[{(1058*n+2116)*a(n+1)+a(n+3)-22*a(n+2), a(0) = 1, a(1) = 22,$

$a(2) = -574$ }, ogf]  
A159877 44.7311  $-24+1058*x+f(x)$  lgdegf  
A159877 5.17695 [  $\{(1058*n+2116)*a(n+1)+a(n+3)-24*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 24$ ,  
 $a(2) = -482$ }, ogf]  
A159882 44.5463  $-26+1058*x+f(x)$  lgdegf  
A159882 5.15528 [  $\{(1058*n+2116)*a(n+1)+a(n+3)-26*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 26$ ,  
 $a(2) = -382$ }, ogf]  
A159883 45.2856  $-28+1058*x+f(x)$  lgdegf  
A159883 5.22027 [  $\{(-1058*n-2116)*a(n+1)-a(n+3)+28*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 28$ ,  
 $a(2) = -274$ }, ogf]  
A159884 45.4705  $-30+1058*x+f(x)$  lgdegf  
A159884 5.24193 [  $\{(1058*n+2116)*a(n+1)+a(n+3)-30*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 30$ ,  
 $a(2) = -158$ }, ogf]  
A159889 45.1008  $-32+1058*x+f(x)$  lgdegf  
A159889 5.26137 [  $\{(1058*n+2116)*a(n+1)+a(n+3)-32*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 32$ ,  
 $a(2) = -34$ }, ogf]  
A159890 7.38100 [  $-(x-1)*(401*x^4+840*x^3+1325*x^2+840*x+401)/(x^6-6*x^3+1)$  ogf]  
A159893 7.12327 [  $-(x-1)*(677*x^4+1404*x^3+2189*x^2+1404*x+677)/(x^6-6*x^3+1)$   
ogf]  
A159896 7.15871 [  $-(x-1)*(785*x^4+1624*x^3+2525*x^2+1624*x+785)/(x^6-6*x^3+1)$   
ogf]  
A159904 45.2856  $-34+1058*x+f(x)$  lgdegf  
A159904 5.28320 [  $\{(1058*n+2116)*a(n+1)+a(n+3)-34*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 34$ ,  
 $a(2) = 98$ }, ogf]  
A159914 15.9599  $-(3-5*x+6*x^4-9*x^3+13*x^2)/(x-1)/(x^2+1)/(x^2-x+1)$  lgdogf  
A159914 19.7550 [  $-x^5+2*x^3+x^2-x+3$  ogf\_with\_Euler\_transform]  
A159914 7.26746 [  $x^4*(x^2-x+1)/(x^2+1)^2/(x-1)^4$  ogf]  
A159915 16.7513  $-(2-4*x+5*x^4-8*x^3+11*x^2)/(x-1)/(x^2+1)/(x^2-x+1)$  lgdogf  
A159915 20.8551 [  $-x^5+2*x^3+x^2-x+2$  ogf\_with\_Euler\_transform]  
A159915 8.49944 [  $-x^3*(x^2-x+1)/(x^2+1)^2/(x-1)^3$  ogf]  
A159920 12.3583 [  $-2*(x-2)/(x-1)^4$  ogf]  
A159920 35.1905  $-(-7+3*x)/(x-1)/(x-2)$  lgdogf  
A159920 4.92716 [  $\{(2*n+6)*a(n+3)+(-13-3*n)*a(n+2)+(4+n)*a(n+1)$ ,  $a(0) = 4$ ,  $a(1) = 14$ ,  
 $a(2) = 32$ }, ogf]  
A159921 45.6553  $-36+1058*x+f(x)$  lgdegf  
A159921 5.28525 [  $\{(1058*n+2116)*a(n+1)+a(n+3)-36*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 36$ ,  
 $a(2) = 238$ }, ogf]  
A159925 3.26372 [  $\{a(n+1)+(-n-5)*a(n+2)+(n+7)*a(n+3)-a(n+4)$ ,  $a(0) = 1$ ,  $a(1) = 3$ ,  
 $a(2) = 12$ ,  $a(3) = 61$ }, ogf]  
A159926 3.26372 [  $\{a(n+1)+(-n-6)*a(n+2)+(n+7)*a(n+3)-a(n+4)$ ,  $a(0) = 1$ ,  $a(1) = 4$ ,  
 $a(2) = 16$ ,  $a(3) = 77$ }, ogf]  
A159928 3.47812 [  $\{(-n-4)*a(n+1)+(n^2+9*n+19)*a(n+2)+(-n-3)*a(n+3)$ ,  $a(0) = 1$ ,  
 $a(1) = 3$ ,  $a(2) = 15$ }, ogf]  
A159938 20.7337  $-(3+4*x^2+x)/(-1+x)/(2*x^2-x+1)$  lgdogf  
A159938 9.52445 [  $2*(2*x^2-x+1)/(x-1)^4$  ogf]  
A159940 10.5390 [  $2*(x^3+3*x^2+2)/(x-1)^4$  ogf]  
A159940 19.8604  $-(8+6*x+x^3+9*x^2)/(x-1)/(x^3+3*x^2+2)$  lgdogf  
A159940 4.25054 [  $\{(-5*n^2-26*n-32)*a(n+1)+(4*n^2-5*n-58)*a(n+2)+(n^2+13*n$   
 $+30)*a(n+3)$ ,  $a(0) = 4$ ,  $a(1) = 16$ ,  $a(2) = 46$ }, ogf]  
A159941 22.1029  $(8+11*x+2*x^2)/(2+x)/(2*x+1)$  lgdegf  
A159941 8.55227 [  $4*(x^3+3*x^2+2)/(x-1)^4$  ogf]  
A159943 45.1008  $-38+1058*x+f(x)$  lgdegf  
A159943 5.24193 [  $\{(1058*n+2116)*a(n+1)+a(n+3)-38*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 38$ ,  
 $a(2) = 386$ }, ogf]  
A159946 45.1008  $-40+1058*x+f(x)$  lgdegf  
A159946 5.24193 [  $\{(1058*n+2116)*a(n+1)+a(n+3)-40*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 40$ ,  
 $a(2) = 542$ }, ogf]  
A159947 45.2856  $-42+1058*x+f(x)$  lgdegf  
A159947 5.24193 [  $\{(1058*n+2116)*a(n+1)+a(n+3)-42*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 42$ ,  
 $a(2) = 706$ }, ogf]  
A159948 44.9160  $-44+1058*x+f(x)$  lgdegf

A159948 5.22027 [  $\{(1058n+2116)a(n+1)+a(n+3)-44a(n+2), a(0) = 1, a(1) = 44, a(2) = 878\}$ , ogf]  
A159949 5.25515 [  $\{(-288n-576)a(n+1)-a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = -287\}$ , ogf]  
A159949 50.9978  $-1+288x+f(x)$  lgdegf  
A159954 5.34654 [  $\{(-288n-576)a(n+1)-a(n+3)+5a(n+2), a(0) = 1, a(1) = 5, a(2) = -263\}$ , ogf]  
A159954 51.8695  $-5+288x+f(x)$  lgdegf  
A159955 7.35219 [  $-x(x^5-x^4+2x^3-x^2+x+1)/(x-1)/(x^6+x^3+1)$  ogf]  
A159955 7.73708  $-(2-2x-4x^{10}+10x^9-12x^8+12x^7+3x^6-12x^5+2x^{11}+12x^4+4x^2-6x^3)/(x-1)/(x^5-x^4+2x^3-x^2+x+1)/(x^6+x^3+1)$  lgdogf  
A159956 5.24272 [  $-x(2x^{11}-x^{10}-x^9+3x^8-2x^6+2x^5+2x^4-2x^3+x^2+x+1)/(x-1)/(x^4+1)/(x^8+1)$  ogf]  
A159964 13.5510 [  $-(4x-1)/(2x-1)^2$  ogf]  
A159964 20.8010  $-1/8(-1-4x+(1-8x)^{1/2})/(1+x)$  revogf  
A159964 34.3217  $-8x/(4x-1)/(2x-1)$  lgdogf  
A159964 7.52831 [  $\{-a(n+2)+4a(n+1)-4a(n), a(0) = 1, a(1) = 0\}$ , ogf]  
A159966 12.4012 [  $x(3x^2-4x+3)/(x^2+1)/(x-1)^2$  ogf]  
A159966 15.9360  $-2(1-2x+3x^4-6x^3+8x^2)/(x-1)/(x^2+1)/(3x^2-4x+3)$  lgdogf  
A159966 4.64250 [  $\{(n+3)a(n+1)+(-n-2)a(n+2)+(n+3)a(n+3)+(-n-2)a(n+4), a(0) = 0, a(1) = 3, a(2) = 2, a(3) = 1\}$ , ogf]  
A159967 5.25515 [  $\{(-288n-576)a(n+1)-a(n+3)+7a(n+2), a(0) = 1, a(1) = 7, a(2) = -239\}$ , ogf]  
A159967 51.2157  $-7+288x+f(x)$  lgdegf  
A159968 48.1646  $-11+288x+f(x)$  lgdegf  
A159968 5.26167 [  $\{(288n+576)a(n+1)+a(n+3)-11a(n+2), a(0) = 1, a(1) = 11, a(2) = -167\}$ , ogf]  
A159969 48.7717  $-13+288x+f(x)$  lgdegf  
A159969 5.30665 [  $\{(288n+576)a(n+1)+a(n+3)-13a(n+2), a(0) = 1, a(1) = 13, a(2) = -119\}$ , ogf]  
A159972 9.47554  $(-(4x+1)^{1/2}+2x(4x+1)^{1/2}+x^2+2x+1)/x/(x-2)/(4x+1)^{1/2}/(x+1)$  lgdogf  
A159991 22.4320 [  $-1/(60x-1)$  ogf]  
A159991 32.1965  $1/60 \ln(1+60x)$  revegf  
A159991 37.1498  $-60/(-1+60x)$  lgdogf  
A159991 9.31140 [  $\{a(n+1)-60a(n), a(0) = 1\}$ , ogf]  
A159996 47.5575  $-17+288x+f(x)$  lgdegf  
A159996 5.30085 [  $\{(288n+576)a(n+1)+a(n+3)-17a(n+2), a(0) = 1, a(1) = 17, a(2) = 1\}$ , ogf]  
A159997 48.1646  $-19+288x+f(x)$  lgdegf  
A159997 5.30377 [  $\{(288n+576)a(n+1)+a(n+3)-19a(n+2), a(0) = 1, a(1) = 19, a(2) = 73\}$ , ogf]  
A159998 47.9622  $-23+288x+f(x)$  lgdegf  
A159998 5.28416 [  $\{(288n+576)a(n+1)+a(n+3)-23a(n+2), a(0) = 1, a(1) = 23, a(2) = 241\}$ , ogf]  
A160003 48.5203  $-2+1250x+f(x)$  lgdegf  
A160003 5.26137 [  $\{(-1250n-2500)a(n+1)-a(n+3)+2a(n+2), a(0) = 1, a(1) = 2, a(2) = -1246\}$ , ogf]  
A160004 48.9164  $-4+1250x+f(x)$  lgdegf  
A160004 5.30503 [  $\{(-1250n-2500)a(n+1)-a(n+3)+4a(n+2), a(0) = 1, a(1) = 4, a(2) = -1234\}$ , ogf]  
A160005 49.5105  $-6+1250x+f(x)$  lgdegf  
A160005 5.37053 [  $\{(-1250n-2500)a(n+1)-a(n+3)+6a(n+2), a(0) = 1, a(1) = 6, a(2) = -1214\}$ , ogf]  
A160008 49.5105  $-8+1250x+f(x)$  lgdegf  
A160008 5.37053 [  $\{(-1250n-2500)a(n+1)-a(n+3)+8a(n+2), a(0) = 1, a(1) = 8, a(2) = -1186\}$ , ogf]  
A160010 46.3947  $-12+1250x+f(x)$  lgdegf  
A160010 5.30876 [  $\{(-1250n-2500)a(n+1)-a(n+3)+12a(n+2), a(0) = 1, a(1) = 12, a(2) = -1106\}$ , ogf]

A160011 45.8402  $-14+1250*x+f(x)$  lgdegf  
A160011 5.24428 [  $\{(1250*n+2500)*a(n+1)+a(n+3)-14*a(n+2), a(0) = 1, a(1) = 14, a(2) = -1054\}$ , ogf]  
A160012 45.6553  $-16+1250*x+f(x)$  lgdegf  
A160012 5.26359 [  $\{(-1250*n-2500)*a(n+1)-a(n+3)+16*a(n+2), a(0) = 1, a(1) = 16, a(2) = -994\}$ , ogf]  
A160013 45.2856  $-18+1250*x+f(x)$  lgdegf  
A160013 5.24193 [  $\{(1250*n+2500)*a(n+1)+a(n+3)-18*a(n+2), a(0) = 1, a(1) = 18, a(2) = -926\}$ , ogf]  
A160016 7.70538  $-(1+8*x+30*x^6+36*x^5+4*x^9+3*x^8+16*x^7+12*x^4+18*x^2+32*x^3)/(x-1)/(x+1)/(x^2+1)/(2*x^6+x^5+4*x^4+6*x^3+4*x^2+x+2)$  lgdogf  
A160016 9.74897 [  $x*(2*x^6+x^5+4*x^4+6*x^3+4*x^2+x+2)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A160037 45.4705  $-22+1250*x+f(x)$  lgdegf  
A160037 5.26359 [  $\{(1250*n+2500)*a(n+1)+a(n+3)-22*a(n+2), a(0) = 1, a(1) = 22, a(2) = -766\}$ , ogf]  
A160038 45.6553  $-24+1250*x+f(x)$  lgdegf  
A160038 5.28525 [  $\{(-1250*n-2500)*a(n+1)-a(n+3)+24*a(n+2), a(0) = 1, a(1) = 24, a(2) = -674\}$ , ogf]  
A160041 7.83422 [  $-(x-1)*(53*x^4+126*x^3+251*x^2+126*x+53)/(x^6-6*x^3+1)$  ogf]  
A160050 5.85468 [  $x*(x^7-2*x^6+3*x^5-5*x^4-2*x-1)/(x-1)^3/(x^2+1)^3$  ogf]  
A160050 7.97537  $-(5+2*x-8*x^5+20*x^4-36*x^3-15*x^6+8*x^7-5*x^8+x^2+2*x^9)/(x-1)/(x^2+1)/(x^7-2*x^6+3*x^5-5*x^4-2*x-1)$  lgdogf  
A160055 7.91065 [  $-(x-1)*(65*x^4+154*x^3+303*x^2+154*x+65)/(x^6-6*x^3+1)$  ogf]  
A160059 45.4705  $-26+1250*x+f(x)$  lgdegf  
A160059 5.26359 [  $\{(1250*n+2500)*a(n+1)+a(n+3)-26*a(n+2), a(0) = 1, a(1) = 26, a(2) = -574\}$ , ogf]  
A160060 45.8402  $-28+1250*x+f(x)$  lgdegf  
A160060 5.28525 [  $\{(1250*n+2500)*a(n+1)+a(n+3)-28*a(n+2), a(0) = 1, a(1) = 28, a(2) = -466\}$ , ogf]  
A160061 46.0250  $-32+1250*x+f(x)$  lgdegf  
A160061 5.30691 [  $\{(-1250*n-2500)*a(n+1)-a(n+3)+32*a(n+2), a(0) = 1, a(1) = 32, a(2) = -226\}$ , ogf]  
A160062 45.4705  $-34+1250*x+f(x)$  lgdegf  
A160062 5.30503 [  $\{(1250*n+2500)*a(n+1)+a(n+3)-34*a(n+2), a(0) = 1, a(1) = 34, a(2) = -94\}$ , ogf]  
A160063 45.2856  $-36+1250*x+f(x)$  lgdegf  
A160063 5.30503 [  $\{(1250*n+2500)*a(n+1)+a(n+3)-36*a(n+2), a(0) = 1, a(1) = 36, a(2) = 46\}$ , ogf]  
A160064 45.8402  $-38+1250*x+f(x)$  lgdegf  
A160064 5.30691 [  $\{(1250*n+2500)*a(n+1)+a(n+3)-38*a(n+2), a(0) = 1, a(1) = 38, a(2) = 194\}$ , ogf]  
A160065 45.8402  $-42+1250*x+f(x)$  lgdegf  
A160065 5.32857 [  $\{(1250*n+2500)*a(n+1)+a(n+3)-42*a(n+2), a(0) = 1, a(1) = 42, a(2) = 514\}$ , ogf]  
A160066 45.6553  $-44+1250*x+f(x)$  lgdegf  
A160066 5.28525 [  $\{(1250*n+2500)*a(n+1)+a(n+3)-44*a(n+2), a(0) = 1, a(1) = 44, a(2) = 686\}$ , ogf]  
A160067 39.1765  $-46+1250*x+f(x)$  lgdegf  
A160067 4.52752 [  $\{(1250*n+2500)*a(n+1)+a(n+3)-46*a(n+2), a(0) = 1, a(1) = 46, a(2) = 866\}$ , ogf]  
A160068 39.1765  $-48+1250*x+f(x)$  lgdegf  
A160068 4.49243 [  $\{(1250*n+2500)*a(n+1)+a(n+3)-48*a(n+2), a(0) = 1, a(1) = 48, a(2) = 1054\}$ , ogf]  
A160069 5.41509 [  $\{(338*n+676)*a(n+1)+a(n+3)-a(n+2), a(0) = 1, a(1) = 1, a(2) = -337\}$ , ogf]  
A160069 52.5234  $-1+338*x+f(x)$  lgdegf  
A160070 5.46078 [  $\{(338*n+676)*a(n+1)+a(n+3)-3*a(n+2), a(0) = 1, a(1) = 3, a(2) = -329\}$ , ogf]  
A160070 52.9592  $-3+338*x+f(x)$  lgdegf  
A160071 5.41509 [  $\{(-338*n-676)*a(n+1)-a(n+3)+5*a(n+2), a(0) = 1, a(1) = 5, a(2) =$

= -313}, ogf]  
 A160071 52.5234 -5+338\*x+f(x) lgdegf  
 A160072 5.39224 [ {(338\*n+676)\*a(n+1)+a(n+3)-7\*a(n+2), a(0) = 1, a(1) = 7, a(2) = -289}, ogf]  
 A160072 52.3054 -7+338\*x+f(x) lgdegf  
 A160073 5.41509 [ {(338\*n+676)\*a(n+1)+a(n+3)-9\*a(n+2), a(0) = 1, a(1) = 9, a(2) = -257}, ogf]  
 A160073 52.5234 -9+338\*x+f(x) lgdegf  
 A160074 49.1764 -11+338\*x+f(x) lgdegf  
 A160074 5.35162 [ {(338\*n+676)\*a(n+1)+a(n+3)-11\*a(n+2), a(0) = 1, a(1) = 11, a(2) = -217}, ogf]  
 A160075 49.3788 -15+338\*x+f(x) lgdegf  
 A160075 5.39659 [ {(338\*n+676)\*a(n+1)+a(n+3)-15\*a(n+2), a(0) = 1, a(1) = 15, a(2) = -113}, ogf]  
 A160076 49.3788 -17+338\*x+f(x) lgdegf  
 A160076 5.41710 [ {(338\*n+676)\*a(n+1)+a(n+3)-17\*a(n+2), a(0) = 1, a(1) = 17, a(2) = -49}, ogf]  
 A160077 49.3788 -19+338\*x+f(x) lgdegf  
 A160077 5.43976 [ {(338\*n+676)\*a(n+1)+a(n+3)-19\*a(n+2), a(0) = 1, a(1) = 19, a(2) = 23}, ogf]  
 A160079 6.65652 [ x\*(2\*x^10+x^9+4\*x^8+3\*x^7+5\*x^6+4\*x^5+4\*x^4+3\*x^3+2\*x^2+4\*x+1)/(x^4+1)/(x-1)^2/(x+1)^2/(x^2+1)^2 ogf]  
 A160080 6.98203 [ x\*(3\*x^10+x^9+2\*x^8+7\*x^7+11\*x^6+4\*x^5+9\*x^4+3\*x^3+2\*x^2+5\*x+1)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2 ogf]  
 A160082 49.3788 -21+338\*x+f(x) lgdegf  
 A160082 5.39659 [ {(338\*n+676)\*a(n+1)+a(n+3)-21\*a(n+2), a(0) = 1, a(1) = 21, a(2) = 103}, ogf]  
 A160083 49.1764 -23+338\*x+f(x) lgdegf  
 A160083 5.39659 [ {(338\*n+676)\*a(n+1)+a(n+3)-23\*a(n+2), a(0) = 1, a(1) = 23, a(2) = 191}, ogf]  
 A160084 49.1764 -25+338\*x+f(x) lgdegf  
 A160084 5.39659 [ {(338\*n+676)\*a(n+1)+a(n+3)-25\*a(n+2), a(0) = 1, a(1) = 25, a(2) = 287}, ogf]  
 A160087 4.54185 [ {(-1458\*n-2916)\*a(n+1)-a(n+3)+2\*a(n+2), a(0) = 1, a(1) = 2, a(2) = -1454}, ogf]  
 A160087 41.7813 -2+1458\*x+f(x) lgdegf  
 A160088 4.62714 [ {(-1458\*n-2916)\*a(n+1)-a(n+3)+4\*a(n+2), a(0) = 1, a(1) = 4, a(2) = -1442}, ogf]  
 A160088 42.5551 -4+1458\*x+f(x) lgdegf  
 A160090 7.48849 [ -(x-1)\*(485\*x^4+1054\*x^3+1743\*x^2+1054\*x+485)/(x^6-6\*x^3+1) ogf]  
 A160093 32.9752 [-x^18+x^9+1 ogf\_with\_Euler\_transform]  
 A160098 6.93861 [ -(x-1)\*(425\*x^4+1026\*x^3+2287\*x^2+1026\*x+425)/(x^6-6\*x^3+1) ogf]  
 A160103 4.62714 [ {(-1458\*n-2916)\*a(n+1)-a(n+3)+8\*a(n+2), a(0) = 1, a(1) = 8, a(2) = -1394}, ogf]  
 A160103 42.5551 -8+1458\*x+f(x) lgdegf  
 A160104 4.59739 [ {(-1458\*n-2916)\*a(n+1)-a(n+3)+10\*a(n+2), a(0) = 1, a(1) = 10, a(2) = -1358}, ogf]  
 A160104 40.0791 -10+1458\*x+f(x) lgdegf  
 A160107 39.8986 -14+1458\*x+f(x) lgdegf  
 A160107 4.57640 [ {(-1458\*n-2916)\*a(n+1)-a(n+3)+14\*a(n+2), a(0) = 1, a(1) = 14, a(2) = -1262}, ogf]  
 A160108 6.92556 [ x\*(7\*x^10+x^9+6\*x^8+3\*x^7+11\*x^6+8\*x^5+5\*x^4+3\*x^3+2\*x^2+9\*x+1)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2 ogf]  
 A160117 10.9426 [ -(9+17\*x+5\*x^5+45\*x^4+22\*x^3+70\*x^2)/(-1+x)/(x+1)/(x^2+1)/(4\*x^3+x^2+8\*x+1) lgdogf]  
 A160117 7.85196 [ -x\*(x^2+1)\*(4\*x^3+x^2+8\*x+1)/(x+1)^2/(x-1)^3 ogf]  
 A160128 10.6839 [ -(7+39\*x+16\*x^3-72\*x^2)/(-1+x)/(4\*x-1)/(4\*x^2-11\*x+3) lgdogf]  
 A160128 5.21657 [ {a(n+3)-6\*a(n+2)+9\*a(n+1)-4\*a(n), a(0) = 3, a(1) = 7, a(2) = 19}, ogf]

A160128 9.50761 [  $-(4*x^2-11*x+3)/(4*x-1)/(x-1)^2$  ogf]  
A160131 46.2098  $-16+1458*x+f(x)$  lgdegf  
A160131 5.30876 [  $\{(-1458*n-2916)*a(n+1)-a(n+3)+16*a(n+2), a(0) = 1, a(1) = 16, a(2) = -1202\}$ , ogf]  
A160132 39.3570  $-20+1458*x+f(x)$  lgdegf  
A160132 4.53441 [  $\{(-1458*n-2916)*a(n+1)-a(n+3)+20*a(n+2), a(0) = 1, a(1) = 20, a(2) = -1058\}$ , ogf]  
A160139 39.5375  $-22+1458*x+f(x)$  lgdegf  
A160139 4.56984 [  $\{(1458*n+2916)*a(n+1)+a(n+3)-22*a(n+2), a(0) = 1, a(1) = 22, a(2) = -974\}$ , ogf]  
A160140 39.1765  $-26+1458*x+f(x)$  lgdegf  
A160140 4.54868 [  $\{(1458*n+2916)*a(n+1)+a(n+3)-26*a(n+2), a(0) = 1, a(1) = 26, a(2) = -782\}$ , ogf]  
A160141 46.2098  $-28+1458*x+f(x)$  lgdegf  
A160141 5.35023 [  $\{(1458*n+2916)*a(n+1)+a(n+3)-28*a(n+2), a(0) = 1, a(1) = 28, a(2) = -674\}$ , ogf]  
A160142 4.63330 [  $\{(1458*n+2916)*a(n+1)+a(n+3)-32*a(n+2), a(0) = 1, a(1) = 32, a(2) = -434\}$ , ogf]  
A160142 40.0791  $-32+1458*x+f(x)$  lgdegf  
A160146 4.63330 [  $\{(1458*n+2916)*a(n+1)+a(n+3)-34*a(n+2), a(0) = 1, a(1) = 34, a(2) = -302\}$ , ogf]  
A160146 40.2597  $-34+1458*x+f(x)$  lgdegf  
A160147 39.7181  $-38+1458*x+f(x)$  lgdegf  
A160147 4.62714 [  $\{(1458*n+2916)*a(n+1)+a(n+3)-38*a(n+2), a(0) = 1, a(1) = 38, a(2) = -14\}$ , ogf]  
A160148 4.63330 [  $\{(1458*n+2916)*a(n+1)+a(n+3)-40*a(n+2), a(0) = 1, a(1) = 40, a(2) = 142\}$ , ogf]  
A160148 40.0791  $-40+1458*x+f(x)$  lgdegf  
A160150 39.5375  $-44+1458*x+f(x)$  lgdegf  
A160150 4.56984 [  $\{(1458*n+2916)*a(n+1)+a(n+3)-44*a(n+2), a(0) = 1, a(1) = 44, a(2) = 478\}$ , ogf]  
A160151 39.5375  $-46+1458*x+f(x)$  lgdegf  
A160151 4.59099 [  $\{(1458*n+2916)*a(n+1)+a(n+3)-46*a(n+2), a(0) = 1, a(1) = 46, a(2) = 658\}$ , ogf]  
A160152 39.8986  $-50+1458*x+f(x)$  lgdegf  
A160152 4.57640 [  $\{(1458*n+2916)*a(n+1)+a(n+3)-50*a(n+2), a(0) = 1, a(1) = 50, a(2) = 1042\}$ , ogf]  
A160153 4.59739 [  $\{(1458*n+2916)*a(n+1)+a(n+3)-52*a(n+2), a(0) = 1, a(1) = 52, a(2) = 1246\}$ , ogf]  
A160153 40.0791  $-52+1458*x+f(x)$  lgdegf  
A160154 4.14801 [  $\{a(n+4)-12*a(n+3)+21*a(n+2)-10*a(n+1), a(0) = 0, a(1) = 1, a(2) = 82, a(3) = 973\}$ , ogf]  
A160154 8.11824 [  $-x*(10*x^2+70*x+1)/(10*x-1)/(x-1)^2$  ogf]  
A160154 9.48209  $-2*(-41-30*x+750*x^2+50*x^3)/(x-1)/(10*x-1)/(10*x^2+70*x+1)$  lgdogf  
A160156 12.1725 [  $(2*x-1)/(4*x-1)/(x-1)^2$  ogf]  
A160156 16.6429  $-2*(2-7*x+8*x^2)/(x-1)/(2*x-1)/(4*x-1)$  lgdogf  
A160156 5.70924 [  $\{a(n+3)-6*a(n+2)+9*a(n+1)-4*a(n), a(0) = 1, a(1) = 4, a(2) = 15\}$ , ogf]  
A160168 6.85823 [  $(x^{11}+3*x^{10}+4*x^9+2*x^8+4*x^7+3*x^6+4*x^5+5*x^4+4*x^3+x+2)/(x^4+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A160169 7.17147 [  $(x^{11}+5*x^{10}+4*x^9+9*x^8+3*x^7+2*x^6+11*x^5+7*x^4+3*x^2+x+2)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2$  ogf]  
A160174 13.7276  $-(93+625*x+415*x^2+19*x^3)/(x-1)/(19*x^3+179*x^2+89*x+1)$  lgdogf  
A160174 9.66484 [  $(19*x^3+179*x^2+89*x+1)/(x-1)^4$  ogf]  
A160175 14.9609 [  $-1/(2*x^4+2*x^3+2*x^2+2*x-1)$  ogf]  
A160175 14.9949  $-2*(1+2*x+4*x^3+3*x^2)/(2*x^2-1+2*x+2*x^4+2*x^3)$  lgdogf  
A160176 7.05239 [  $-(x-1)*(533*x^4+1150*x^3+1883*x^2+1150*x+533)/(x^6-6*x^3+1)$  ogf]  
A160184 5.46078 [  $\{(392*n+784)*a(n+1)+a(n+3)-a(n+2), a(0) = 1, a(1) = 1, a(2) = -391\}$ , ogf]



A160184 52.9592  $-1+392*x+f(x)$  lgdegf  
A160186 11.4970  $-(1+5*x+8*x^5+16*x^3+x^7+3*x^6+6*x^2)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+2*x^2-x+2)$  lgdogf  
A160186 11.7192  $[(x^4+x^3+2*x^2-x+2)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A160191 6.74911  $[(x^{11}+5*x^{10}+4*x^9+9*x^8+3*x^7+6*x^6+11*x^5+7*x^4+4*x^3+3*x^2+x+2)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2$  ogf]  
A160192 5.50648  $[{(-392*n-784)*a(n+1)-a(n+3)+3*a(n+2), a(0) = 1, a(1) = 3, a(2) = -383},$  ogf]  
A160192 53.3951  $-3+392*x+f(x)$  lgdegf  
A160193 100.377  $5-392*x$  lgdegf  
A160193 5.57502  $[{(392*n+784)*a(n+1)+a(n+3)-5*a(n+2), a(0) = 1, a(1) = 5, a(2) = -367},$  ogf]  
A160194 5.48363  $[{(392*n+784)*a(n+1)+a(n+3)-9*a(n+2), a(0) = 1, a(1) = 9, a(2) = -311},$  ogf]  
A160194 53.3951  $-9+392*x+f(x)$  lgdegf  
A160195 4.77502  $[{(392*n+784)*a(n+1)+a(n+3)-11*a(n+2), a(0) = 1, a(1) = 11, a(2) = -271},$  ogf]  
A160195 43.7673  $-11+392*x+f(x)$  lgdegf  
A160196 5.48653  $[{(392*n+784)*a(n+1)+a(n+3)-13*a(n+2), a(0) = 1, a(1) = 13, a(2) = -223},$  ogf]  
A160196 50.1883  $-13+392*x+f(x)$  lgdegf  
A160197 4.75301  $[{(392*n+784)*a(n+1)+a(n+3)-15*a(n+2), a(0) = 1, a(1) = 15, a(2) = -167},$  ogf]  
A160197 43.5693  $-15+392*x+f(x)$  lgdegf  
A160200 7.00800  $[-(x-1)*(541*x^4+1302*x^3+2767*x^2+1302*x+541)/(x^6-6*x^3+1)$  ogf]  
A160203 7.04269  $[-(x-1)*(641*x^4+1450*x^3+2555*x^2+1450*x+641)/(x^6-6*x^3+1)$  ogf]  
A160206 7.07738  $[-(x-1)*(697*x^4+1554*x^3+2671*x^2+1554*x+697)/(x^6-6*x^3+1)$  ogf]  
A160209 7.07738  $[-(x-1)*(673*x^4+1610*x^3+3295*x^2+1610*x+673)/(x^6-6*x^3+1)$  ogf]  
A160212 7.11207  $[-(x-1)*(845*x^4+1798*x^3+2891*x^2+1798*x+845)/(x^6-6*x^3+1)$  ogf]  
A160219 4.70900  $[{(392*n+784)*a(n+1)+a(n+3)-17*a(n+2), a(0) = 1, a(1) = 17, a(2) = -103},$  ogf]  
A160219 43.1732  $-17+392*x+f(x)$  lgdegf  
A160220 5.55309  $[{(392*n+784)*a(n+1)+a(n+3)-19*a(n+2), a(0) = 1, a(1) = 19, a(2) = -31},$  ogf]  
A160220 50.3907  $-19+392*x+f(x)$  lgdegf  
A160221 49.9859  $-23+392*x+f(x)$  lgdegf  
A160221 5.48653  $[{(392*n+784)*a(n+1)+a(n+3)-23*a(n+2), a(0) = 1, a(1) = 23, a(2) = 137},$  ogf]  
A160222 4.77502  $[{(392*n+784)*a(n+1)+a(n+3)-25*a(n+2), a(0) = 1, a(1) = 25, a(2) = 233},$  ogf]  
A160222 43.5693  $-25+392*x+f(x)$  lgdegf  
A160223 4.75301  $[{(392*n+784)*a(n+1)+a(n+3)-27*a(n+2), a(0) = 1, a(1) = 27, a(2) = 337},$  ogf]  
A160223 43.3712  $-27+392*x+f(x)$  lgdegf  
A160224 4.62714  $[{(1682*n+3364)*a(n+1)+a(n+3)-2*a(n+2), a(0) = 1, a(1) = 2, a(2) = -1678},$  ogf]  
A160224 42.5551  $-2+1682*x+f(x)$  lgdegf  
A160225 4.69111  $[{(-1682*n-3364)*a(n+1)-a(n+3)+4*a(n+2), a(0) = 1, a(1) = 4, a(2) = -1666},$  ogf]  
A160225 43.1354  $-4+1682*x+f(x)$  lgdegf  
A160226 4.69111  $[{(-1682*n-3364)*a(n+1)-a(n+3)+6*a(n+2), a(0) = 1, a(1) = 6, a(2) = -1646},$  ogf]  
A160226 43.1354  $-6+1682*x+f(x)$  lgdegf  
A160231 4.71243  $[{(-1682*n-3364)*a(n+1)-a(n+3)+8*a(n+2), a(0) = 1, a(1) = 8, a(2) = -1618},$  ogf]

A160231 43.3288  $-8+1682*x+f(x)$  lgdegf  
A160236 4.63937 [ $\{(-1682*n-3364)*a(n+1)-a(n+3)+10*a(n+2), a(0) = 1, a(1) = 10, a(2) = -1582\}$ ], ogf]  
A160236 40.4402  $-10+1682*x+f(x)$  lgdegf  
A160237 4.63937 [ $\{(-1682*n-3364)*a(n+1)-a(n+3)+12*a(n+2), a(0) = 1, a(1) = 12, a(2) = -1538\}$ ], ogf]  
A160237 40.4402  $-12+1682*x+f(x)$  lgdegf  
A160246 4.61838 [ $\{(1682*n+3364)*a(n+1)+a(n+3)-14*a(n+2), a(0) = 1, a(1) = 14, a(2) = -1486\}$ ], ogf]  
A160246 40.2597  $-14+1682*x+f(x)$  lgdegf  
A160250 6.91720 [ $(43*x^3+251*x^2+89*x+1)/(x-1)^4$  ogf]  
A160251 4.59739 [ $\{(-1682*n-3364)*a(n+1)-a(n+3)+16*a(n+2), a(0) = 1, a(1) = 16, a(2) = -1426\}$ ], ogf]  
A160251 40.0791  $-16+1682*x+f(x)$  lgdegf  
A160252 39.8986  $-18+1682*x+f(x)$  lgdegf  
A160252 4.59739 [ $\{(-1682*n-3364)*a(n+1)-a(n+3)+18*a(n+2), a(0) = 1, a(1) = 18, a(2) = -1358\}$ ], ogf]  
A160253 4.61838 [ $\{(-1682*n-3364)*a(n+1)-a(n+3)+20*a(n+2), a(0) = 1, a(1) = 20, a(2) = -1282\}$ ], ogf]  
A160253 40.0791  $-20+1682*x+f(x)$  lgdegf  
A160259 4.61838 [ $\{(1682*n+3364)*a(n+1)+a(n+3)-22*a(n+2), a(0) = 1, a(1) = 22, a(2) = -1198\}$ ], ogf]  
A160259 40.0791  $-22+1682*x+f(x)$  lgdegf  
A160260 4.66036 [ $\{(1682*n+3364)*a(n+1)+a(n+3)-24*a(n+2), a(0) = 1, a(1) = 24, a(2) = -1106\}$ ], ogf]  
A160260 40.6208  $-24+1682*x+f(x)$  lgdegf  
A160261 4.66036 [ $\{(1682*n+3364)*a(n+1)+a(n+3)-26*a(n+2), a(0) = 1, a(1) = 26, a(2) = -1006\}$ ], ogf]  
A160261 40.4402  $-26+1682*x+f(x)$  lgdegf  
A160263 4.67562 [ $\{(1682*n+3364)*a(n+1)+a(n+3)-28*a(n+2), a(0) = 1, a(1) = 28, a(2) = -898\}$ ], ogf]  
A160263 40.2597  $-28+1682*x+f(x)$  lgdegf  
A160269 4.67562 [ $\{(1682*n+3364)*a(n+1)+a(n+3)-30*a(n+2), a(0) = 1, a(1) = 30, a(2) = -782\}$ ], ogf]  
A160269 40.2597  $-30+1682*x+f(x)$  lgdegf  
A160270 4.65446 [ $\{(1682*n+3364)*a(n+1)+a(n+3)-32*a(n+2), a(0) = 1, a(1) = 32, a(2) = -658\}$ ], ogf]  
A160270 40.2597  $-32+1682*x+f(x)$  lgdegf  
A160279 4.65446 [ $\{(1682*n+3364)*a(n+1)+a(n+3)-34*a(n+2), a(0) = 1, a(1) = 34, a(2) = -526\}$ ], ogf]  
A160279 40.2597  $-34+1682*x+f(x)$  lgdegf  
A160280 4.65446 [ $\{(1682*n+3364)*a(n+1)+a(n+3)-36*a(n+2), a(0) = 1, a(1) = 36, a(2) = -386\}$ ], ogf]  
A160280 40.4402  $-36+1682*x+f(x)$  lgdegf  
A160281 4.65446 [ $\{(1682*n+3364)*a(n+1)+a(n+3)-38*a(n+2), a(0) = 1, a(1) = 38, a(2) = -238\}$ ], ogf]  
A160281 40.4402  $-38+1682*x+f(x)$  lgdegf  
A160282 4.71243 [ $\{(1682*n+3364)*a(n+1)+a(n+3)-40*a(n+2), a(0) = 1, a(1) = 40, a(2) = -82\}$ ], ogf]  
A160282 40.4402  $-40+1682*x+f(x)$  lgdegf  
A160283 4.66979 [ $\{(1682*n+3364)*a(n+1)+a(n+3)-42*a(n+2), a(0) = 1, a(1) = 42, a(2) = 82\}$ ], ogf]  
A160283 40.0791  $-42+1682*x+f(x)$  lgdegf  
A160284 4.71793 [ $\{(1682*n+3364)*a(n+1)+a(n+3)-44*a(n+2), a(0) = 1, a(1) = 44, a(2) = 254\}$ ], ogf]  
A160284 40.8013  $-44+1682*x+f(x)$  lgdegf  
A160285 4.69677 [ $\{(1682*n+3364)*a(n+1)+a(n+3)-46*a(n+2), a(0) = 1, a(1) = 46, a(2) = 434\}$ ], ogf]  
A160285 40.6208  $-46+1682*x+f(x)$  lgdegf  
A160286 4.71793 [ $\{(1682*n+3364)*a(n+1)+a(n+3)-48*a(n+2), a(0) = 1, a(1) = 48, a(2) = 622\}$ ], ogf]

A160286 40.6208  $-48+1682*x+f(x)$  lgdegf  
A160287 4.73909 [ $\{(1682*n+3364)*a(n+1)+a(n+3)-50*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 50$ ,  
 $a(2) = 818\}$ , ogf]  
A160287 40.8013  $-50+1682*x+f(x)$  lgdegf  
A160288 4.72334 [ $\{(1682*n+3364)*a(n+1)+a(n+3)-52*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 52$ ,  
 $a(2) = 1022\}$ , ogf]  
A160288 41.1624  $-52+1682*x+f(x)$  lgdegf  
A160289 4.72334 [ $\{(1682*n+3364)*a(n+1)+a(n+3)-54*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 54$ ,  
 $a(2) = 1234\}$ , ogf]  
A160289 41.1624  $-54+1682*x+f(x)$  lgdegf  
A160290 4.68136 [ $\{(1682*n+3364)*a(n+1)+a(n+3)-56*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 56$ ,  
 $a(2) = 1454\}$ , ogf]  
A160290 40.8013  $-56+1682*x+f(x)$  lgdegf  
A160291 5.55218 [ $\{(450*n+900)*a(n+1)+a(n+3)-a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 1$ ,  $a(2) =$   
 $-449\}$ , ogf]  
A160291 53.8310  $-1+450*x+f(x)$  lgdegf  
A160292 100.781  $7-450*x$  lgdegf  
A160292 5.59787 [ $\{(450*n+900)*a(n+1)+a(n+3)-7*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 7$ ,  $a(2) =$   
 $-401\}$ , ogf]  
A160293 5.55399 [ $\{(450*n+900)*a(n+1)+a(n+3)-11*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 11$ ,  $a(2)$   
 $= -329\}$ , ogf]  
A160293 50.7954  $-11+450*x+f(x)$  lgdegf  
A160294 4.79702 [ $\{(450*n+900)*a(n+1)+a(n+3)-13*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 13$ ,  $a(2)$   
 $= -281\}$ , ogf]  
A160294 43.9654  $-13+450*x+f(x)$  lgdegf  
A160295 4.75301 [ $\{(450*n+900)*a(n+1)+a(n+3)-17*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 17$ ,  $a(2)$   
 $= -161\}$ , ogf]  
A160295 43.3712  $-17+450*x+f(x)$  lgdegf  
A160296 4.87976 [ $\{(450*n+900)*a(n+1)+a(n+3)-19*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 19$ ,  $a(2)$   
 $= -89\}$ , ogf]  
A160296 44.3614  $-19+450*x+f(x)$  lgdegf  
A160297 4.83540 [ $\{(450*n+900)*a(n+1)+a(n+3)-23*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 23$ ,  $a(2)$   
 $= 79\}$ , ogf]  
A160297 43.7673  $-23+450*x+f(x)$  lgdegf  
A160298 4.84103 [ $\{(450*n+900)*a(n+1)+a(n+3)-29*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 29$ ,  $a(2)$   
 $= 391\}$ , ogf]  
A160298 44.1634  $-29+450*x+f(x)$  lgdegf  
A160299 4.77640 [ $\{(1922*n+3844)*a(n+1)+a(n+3)-2*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 2$ ,  $a(2)$   
 $= -1918\}$ , ogf]  
A160299 43.9091  $-2+1922*x+f(x)$  lgdegf  
A160300 4.79772 [ $\{(-1922*n-3844)*a(n+1)-a(n+3)+4*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 4$ ,  
 $a(2) = -1906\}$ , ogf]  
A160300 44.1025  $-4+1922*x+f(x)$  lgdegf  
A160301 4.79772 [ $\{(-1922*n-3844)*a(n+1)-a(n+3)+6*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 6$ ,  
 $a(2) = -1886\}$ , ogf]  
A160301 44.1025  $-6+1922*x+f(x)$  lgdegf  
A160302 4.77640 [ $\{(-1922*n-3844)*a(n+1)-a(n+3)+8*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 8$ ,  
 $a(2) = -1858\}$ , ogf]  
A160302 43.9091  $-8+1922*x+f(x)$  lgdegf  
A160303 4.70235 [ $\{(-1922*n-3844)*a(n+1)-a(n+3)+10*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 10$ ,  
 $a(2) = -1822\}$ , ogf]  
A160303 40.9818  $-10+1922*x+f(x)$  lgdegf  
A160304 4.70235 [ $\{(-1922*n-3844)*a(n+1)-a(n+3)+12*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 12$ ,  
 $a(2) = -1778\}$ , ogf]  
A160304 40.9818  $-12+1922*x+f(x)$  lgdegf  
A160305 4.68136 [ $\{(1922*n+3844)*a(n+1)+a(n+3)-14*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 14$ ,  
 $a(2) = -1726\}$ , ogf]  
A160305 40.8013  $-14+1922*x+f(x)$  lgdegf  
A160306 4.68136 [ $\{(-1922*n-3844)*a(n+1)-a(n+3)+16*a(n+2)$ ,  $a(0) = 1$ ,  $a(1) = 16$ ,  
 $a(2) = -1666\}$ , ogf]  
A160306 40.8013  $-16+1922*x+f(x)$  lgdegf

A160307 4.63937 [  $\{(1922n+3844)a(n+1)+a(n+3)-18a(n+2), a(0) = 1, a(1) = 18, a(2) = -1598\}$ , ogf]  
A160307 40.4402  $-18+1922x+f(x)$  lgdegf  
A160308 4.68136 [  $\{(-1922n-3844)a(n+1)-a(n+3)+20a(n+2), a(0) = 1, a(1) = 20, a(2) = -1522\}$ , ogf]  
A160308 40.8013  $-20+1922x+f(x)$  lgdegf  
A160309 4.72334 [  $\{(-1922n-3844)a(n+1)-a(n+3)+22a(n+2), a(0) = 1, a(1) = 22, a(2) = -1438\}$ , ogf]  
A160309 40.9818  $-22+1922x+f(x)$  lgdegf  
A160310 4.70235 [  $\{(-1922n-3844)a(n+1)-a(n+3)+24a(n+2), a(0) = 1, a(1) = 24, a(2) = -1346\}$ , ogf]  
A160310 40.9818  $-24+1922x+f(x)$  lgdegf  
A160311 4.70235 [  $\{(1922n+3844)a(n+1)+a(n+3)-26a(n+2), a(0) = 1, a(1) = 26, a(2) = -1246\}$ , ogf]  
A160311 40.9818  $-26+1922x+f(x)$  lgdegf  
A160312 4.74433 [  $\{(1922n+3844)a(n+1)+a(n+3)-28a(n+2), a(0) = 1, a(1) = 28, a(2) = -1138\}$ , ogf]  
A160312 41.1624  $-28+1922x+f(x)$  lgdegf  
A160313 4.76533 [  $\{(1922n+3844)a(n+1)+a(n+3)-30a(n+2), a(0) = 1, a(1) = 30, a(2) = -1022\}$ , ogf]  
A160313 41.3429  $-30+1922x+f(x)$  lgdegf  
A160314 4.76024 [  $\{(1922n+3844)a(n+1)+a(n+3)-32a(n+2), a(0) = 1, a(1) = 32, a(2) = -898\}$ , ogf]  
A160314 40.9818  $-32+1922x+f(x)$  lgdegf  
A160315 4.78140 [  $\{(1922n+3844)a(n+1)+a(n+3)-34a(n+2), a(0) = 1, a(1) = 34, a(2) = -766\}$ , ogf]  
A160315 41.3429  $-34+1922x+f(x)$  lgdegf  
A160316 4.80255 [  $\{(1922n+3844)a(n+1)+a(n+3)-36a(n+2), a(0) = 1, a(1) = 36, a(2) = -626\}$ , ogf]  
A160316 41.5234  $-36+1922x+f(x)$  lgdegf  
A160317 4.76024 [  $\{(1922n+3844)a(n+1)+a(n+3)-38a(n+2), a(0) = 1, a(1) = 38, a(2) = -478\}$ , ogf]  
A160317 41.3429  $-38+1922x+f(x)$  lgdegf  
A160328 4.73909 [  $\{(1922n+3844)a(n+1)+a(n+3)-40a(n+2), a(0) = 1, a(1) = 40, a(2) = -322\}$ , ogf]  
A160328 41.1624  $-40+1922x+f(x)$  lgdegf  
A160329 4.76024 [  $\{(1922n+3844)a(n+1)+a(n+3)-42a(n+2), a(0) = 1, a(1) = 42, a(2) = -158\}$ , ogf]  
A160329 41.1624  $-42+1922x+f(x)$  lgdegf  
A160330 4.77640 [  $\{(1922n+3844)a(n+1)+a(n+3)-44a(n+2), a(0) = 1, a(1) = 44, a(2) = 14\}$ , ogf]  
A160330 40.8013  $-44+1922x+f(x)$  lgdegf  
A160333 8.30255 [  $-(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)/(x^9+x^7+x^5+x^3-x^2+x-1)$  ogf]  
A160334 4.76024 [  $\{(1922n+3844)a(n+1)+a(n+3)-46a(n+2), a(0) = 1, a(1) = 46, a(2) = 194\}$ , ogf]  
A160334 41.1624  $-46+1922x+f(x)$  lgdegf  
A160335 4.76024 [  $\{(1922n+3844)a(n+1)+a(n+3)-48a(n+2), a(0) = 1, a(1) = 48, a(2) = 382\}$ , ogf]  
A160335 41.1624  $-48+1922x+f(x)$  lgdegf  
A160336 4.73909 [  $\{(1922n+3844)a(n+1)+a(n+3)-50a(n+2), a(0) = 1, a(1) = 50, a(2) = 578\}$ , ogf]  
A160336 40.9818  $-50+1922x+f(x)$  lgdegf  
A160338 15.7348 [  $(x^{103}+x^{102}-1)/(x^{102}+x-1)$  ogf]  
A160338 23.7238  $(-1+104x^{101}+104x^{102})/(-1+x+104x^{101})$  lgdogf  
A160338 76.0965 [ [1] ogf\_with\_Euler\_transform ]  
A160344 4.80255 [  $\{(1922n+3844)a(n+1)+a(n+3)-52a(n+2), a(0) = 1, a(1) = 52, a(2) = 782\}$ , ogf]  
A160344 41.3429  $-52+1922x+f(x)$  lgdegf  
A160345 4.78140 [  $\{(1922n+3844)a(n+1)+a(n+3)-54a(n+2), a(0) = 1, a(1) = 54, a(2) = 994\}$ , ogf]

A160345 41.1624 -54+1922\*x+f(x) lgdegf  
A160346 4.78632 [ {(1922\*n+3844)\*a(n+1)+a(n+3)-56\*a(n+2)}, a(0) = 1, a(1) = 56, a(2) = 1214}, ogf]  
A160346 41.7040 -56+1922\*x+f(x) lgdegf  
A160347 4.76533 [ {(1922\*n+3844)\*a(n+1)+a(n+3)-58\*a(n+2)}, a(0) = 1, a(1) = 58, a(2) = 1442}, ogf]  
A160347 41.5234 -58+1922\*x+f(x) lgdegf  
A160349 4.76533 [ {(1922\*n+3844)\*a(n+1)+a(n+3)-60\*a(n+2)}, a(0) = 1, a(1) = 60, a(2) = 1678}, ogf]  
A160349 41.5234 -60+1922\*x+f(x) lgdegf  
A160361 101.591 1-512\*x lgdegf  
A160361 5.59842 [ {(512\*n+1024)\*a(n+1)+a(n+3)-a(n+2)}, a(0) = 1, a(1) = 1, a(2) = -511}, ogf]  
A160362 102.805 3-512\*x lgdegf  
A160362 5.66642 [ {(512\*n+1024)\*a(n+1)+a(n+3)-3\*a(n+2)}, a(0) = 1, a(1) = 3, a(2) = -503}, ogf]  
A160363 102.805 5-512\*x lgdegf  
A160363 5.66642 [ {(-512\*n-1024)\*a(n+1)-a(n+3)+5\*a(n+2)}, a(0) = 1, a(1) = 5, a(2) = -487}, ogf]  
A160372 6.82616 [ -4\*(3\*x^4-14\*x^3+28\*x^2+70\*x+105)/(x-1)^5 ogf]  
A160372 9.99660 -(595+336\*x+3\*x^4-16\*x^3+42\*x^2)/(x-1)/(3\*x^4-14\*x^3+28\*x^2+70\*x+105) lgdogf  
A160374 4.92412 [ {(512\*n+1024)\*a(n+1)+a(n+3)-7\*a(n+2)}, a(0) = 1, a(1) = 7, a(2) = -463}, ogf]  
A160374 48.2004 -7+512\*x+f(x) lgdegf  
A160376 4.90194 [ {(512\*n+1024)\*a(n+1)+a(n+3)-9\*a(n+2)}, a(0) = 1, a(1) = 9, a(2) = -431}, ogf]  
A160376 47.9871 -9+512\*x+f(x) lgdegf  
A160378 10.6924 [ x^2\*(x+5)/(x-1)^4 ogf]  
A160378 36.5199 -3\*(x+7)/(x+5)/(x-1) lgdogf  
A160378 4.95152 [ {(5+5\*n)\*a(n+3)+(-21-4\*n)\*a(n+2)+(-2-n)\*a(n+1)}, a(0) = 0, a(1) = 0, a(2) = 5}, ogf]  
A160379 5.65014 [ x\*(18\*x^3+x^2+26\*x+1)\*(x^4+4\*x^2+1)/(x+1)^3/(x-1)^4 ogf]  
A160379 7.60893 -(27+43\*x+323\*x^6+119\*x^5+19\*x^7+983\*x^4+167\*x^3+527\*x^2)/(-1+x)/(x+1)/(18\*x^3+x^2+26\*x+1)/(x^4+4\*x^2+1) lgdogf  
A160391 4.82474 [ {(512\*n+1024)\*a(n+1)+a(n+3)-11\*a(n+2)}, a(0) = 1, a(1) = 11, a(2) = -391}, ogf]  
A160391 44.3614 -11+512\*x+f(x) lgdegf  
A160396 4.82474 [ {(512\*n+1024)\*a(n+1)+a(n+3)-13\*a(n+2)}, a(0) = 1, a(1) = 13, a(2) = -343}, ogf]  
A160396 44.5595 -13+512\*x+f(x) lgdegf  
A160397 4.89024 [ {(512\*n+1024)\*a(n+1)+a(n+3)-15\*a(n+2)}, a(0) = 1, a(1) = 15, a(2) = -287}, ogf]  
A160397 44.9556 -15+512\*x+f(x) lgdegf  
A160398 4.84657 [ {(512\*n+1024)\*a(n+1)+a(n+3)-17\*a(n+2)}, a(0) = 1, a(1) = 17, a(2) = -223}, ogf]  
A160398 44.7575 -17+512\*x+f(x) lgdegf  
A160411 7.87856 [ (x^2+1)\*(4\*x^3+x^2+8\*x+1)/(x-1)^2/(x+1)^2 ogf]  
A160413 8.80151 [ (x^4+3\*x^2+x+2)/(x-1)^2/(x+1)^2 ogf]  
A160431 4.86841 [ {(512\*n+1024)\*a(n+1)+a(n+3)-19\*a(n+2)}, a(0) = 1, a(1) = 19, a(2) = -151}, ogf]  
A160431 44.7575 -19+512\*x+f(x) lgdegf  
A160435 4.81902 [ {(512\*n+1024)\*a(n+1)+a(n+3)-21\*a(n+2)}, a(0) = 1, a(1) = 21, a(2) = -71}, ogf]  
A160435 44.1634 -21+512\*x+f(x) lgdegf  
A160436 5.64394 [ {(512\*n+1024)\*a(n+1)+a(n+3)-23\*a(n+2)}, a(0) = 1, a(1) = 23, a(2) = 17}, ogf]  
A160436 51.4025 -23+512\*x+f(x) lgdegf  
A160437 4.89024 [ {(512\*n+1024)\*a(n+1)+a(n+3)-25\*a(n+2)}, a(0) = 1, a(1) = 25, a(2) = 113}, ogf]  
A160437 44.9556 -25+512\*x+f(x) lgdegf

A160441 4.89024 [ {(512\*n+1024)\*a(n+1)+a(n+3)-27\*a(n+2), a(0) = 1, a(1) = 27, a(2) = 217}, ogf]  
A160441 44.7575 -27+512\*x+f(x) lgdegf  
A160442 4.86841 [ {(512\*n+1024)\*a(n+1)+a(n+3)-29\*a(n+2), a(0) = 1, a(1) = 29, a(2) = 329}, ogf]  
A160442 44.7575 -29+512\*x+f(x) lgdegf  
A160443 4.89024 [ {(512\*n+1024)\*a(n+1)+a(n+3)-31\*a(n+2), a(0) = 1, a(1) = 31, a(2) = 449}, ogf]  
A160443 44.9556 -31+512\*x+f(x) lgdegf  
A160444 12.3120 [ x\*(x^2-x-1)/(2\*x^4+2\*x^2-1) ogf]  
A160444 13.2150 -(2\*x+1)\*(2\*x^4-4\*x^3-2\*x^2-1)/(x^2-x-1)/(2\*x^4+2\*x^2-1) lgdogf  
A160445 46.7379 -40+882\*x+f(x) lgdegf  
A160445 5.10855 [ {(882\*n+1764)\*a(n+1)+a(n+3)-40\*a(n+2), a(0) = 1, a(1) = 40, a(2) = 718}, ogf]  
A160450 8.88843 [ -(584\*x^3-276\*x^2+34\*x-1)/(4\*x-1)/(3\*x-1)/(24\*x-1)/(8\*x-1) ogf]  
A160451 3.76520 [ -8\*(15\*x^8-13\*x^7-61\*x^6+52\*x^5+95\*x^4-65\*x^3+41\*x^2+134\*x+126)/(x+1)^4/(x-1)^5 ogf]  
A160454 3.79831 [ -(249792\*x^5-159200\*x^4+36984\*x^3-3746\*x^2+148\*x-1)/(12\*x-1)/(6\*x-1)/(4\*x-1)/(8\*x-1)/(5\*x-1)/(120\*x-1) ogf]  
A160457 15.1096 [ -(5\*x^2-5\*x+2)/(x-1)^3 ogf]  
A160457 30.1886 -(1+5\*x^2)/(x-1)/(5\*x^2-5\*x+2) lgdogf  
A160457 8.22934 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 2, a(1) = 1, a(2) = 2}, ogf]  
A160458 10.2164 [ -(8\*x^4+10\*x^3+10\*x^2+10\*x+10)/(x^5-1) ogf\_with\_Euler\_transform]  
A160461 12.6252 [ -(x^4+2\*x^3+2\*x^2+2\*x+2)/(x^5-1) ogf\_with\_Euler\_transform]  
A160462 12.3070 [ -(x^4+3\*x^3+3\*x^2+3\*x+3)/(x^5-1) ogf\_with\_Euler\_transform]  
A160463 11.8902 [ -(x^4+4\*x^3+4\*x^2+4\*x+4)/(x^5-1) ogf\_with\_Euler\_transform]  
A160470 2.82709 [ {(-6\*n^2-57\*n-135)\*a(n+1)+(-40\*n^2-497\*n-1569)\*a(n+2)+(20\*n+60)\*a(n+3), a(0) = 4, a(1) = 147, a(2) = 4095}, ogf]  
A160470 6.21849 -21\*(56+608\*x+1080\*x^2+320\*x^3+5\*x^4)/(-1+2\*x)/(15\*x^4+740\*x^3+1860\*x^2+696\*x+32) lgdegf  
A160483 14.0320 -2\*(18+5\*x+4\*x^2+x^3)/(x+1)/(2\*x^3+7\*x^2+8\*x+11) lgdogf  
A160483 8.04733 [ -(2\*x^3+7\*x^2+8\*x+11)/(x+1)^4 ogf]  
A160484 4.35010 [ -(24\*x^6+162\*x^5+467\*x^4+744\*x^3+786\*x^2+30\*x+299)/(x+1)^7 ogf]  
A160505 8.09358 [ -(180\*x^5+36\*x^4+18\*x^3+6\*x^2+3\*x+1)/(360\*x^6-1) ogf]  
A160517 20.4072 -2\*(1+3\*x)/(-1+x)/(x+1) lgdogf  
A160517 22.7694 [[2+2\*x] ogf\_with\_Euler\_transform]  
A160517 3.52533 [ {(n+3)\*a(n+3)-2\*a(n+2)+(-7-n)\*a(n+1), a(0) = 10, a(1) = 20, a(2) = 50}, ogf]  
A160517 7.31773 [ 10/(x+1)^2/(x-1)^4 ogf]  
A160529 10.0634 -(5+7\*x+22\*x^5+38\*x^6+29\*x^3+36\*x^4+63\*x^2)/(x-1)/(x+1)/(19\*x^3+x^2+4\*x+1)/(x^2+1) lgdogf  
A160529 12.0185 [ (19\*x^3+x^2+4\*x+1)/(x+1)/(x^2+1)/(x-1)^2 ogf]  
A160534 10.7345 [ -(-6\*x^6-7\*x^5-7\*x^4-7\*x^3-7\*x^2-7\*x-7)/(x^7-1) ogf\_with\_Euler\_transform]  
A160536 10.9679 -(5-8\*x+4\*x^5+x^4-10\*x^2+14\*x^3)/(x-1)/(x^2+x-1)/(2\*x^3-x^2+3\*x-2) lgdogf  
A160536 8.25610 [ -x\*(2\*x^3-x^2+3\*x-2)/(x^2+x-1)/(x-1)^3 ogf]  
A160538 10.2581 -3\*(x+9)\*(x+1)/(-1+x)/(x^2+7\*x+4) lgdogf  
A160538 7.76274 [ -8\*x\*(x^2+7\*x+4)/(x-1)^5 ogf]  
A160542 26.2009 [-x^10+x^9+2 ogf\_with\_Euler\_transform]  
A160542 6.16375 [ (x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A160543 24.0289 [2-x^15\*(x-1) ogf\_with\_Euler\_transform]  
A160543 4.50503 [ (x^16+x^15+x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2 ogf]  
A160544 26.3283 [2-x^17\*(x-1) ogf\_with\_Euler\_transform]

A160545 6.04784 [  $(x^{12}+x^{11}+2x^{10}+x^9+3x^8+2x^7+x^6+2x^5+3x^4+x^3+2x^2+x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A160551 4.97520 [  $(60x^3+501x^2+238x+1)/(x-1)^4$  ogf]  
A160551 6.48832  $-2*(121+858x+30x^3+591x^2)/(-1+x)/(60x^3+501x^2+238x+1)$  lgdogf  
A160565 14.5086  $1/2*(-1+(1+4x^2+8x^3)^{1/2})/x/(2x+1)$  revogf  
A160568 16.9060  $1/2*(-1+(1+4x^2+12x^3)^{1/2})/x/(1+3x)$  revogf  
A160572 11.9361  $-x*(2+2x^5-4x^4+3x+8x^2-2x^3)/(2x^4+2x^2-1)/(x^3-x^2+1)$  lgdogf  
A160572 12.3120 [  $-(x^3-x^2+1)/(2x^4+2x^2-1)$  ogf]  
A160574 7.27352 [  $-(x-1)*(233x^4+546x^3+1039x^2+546x+233)/(x^6-6x^3+1)$  ogf]  
A160577 7.38100 [  $-(x-1)*(305x^4+714x^3+1355x^2+714x+305)/(x^6-6x^3+1)$  ogf]  
A160580 7.41683 [  $-(x-1)*(325x^4+782x^3+1659x^2+782x+325)/(x^6-6x^3+1)$  ogf]  
A160583 8.44814 [  $-(x-1)*(445x^4+966x^3+1595x^2+966x+445)/(x^6-6x^3+1)$  ogf]  
A160590 8.51130 [  $-(5x^8+2x^7+x^6-4x^5+3x^4-4x^3+3x^2+2x+1)/(x-1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A160642 6.67420  $(2+9x^5+5x^4+x^3+126x^{21}-42x^{20}+10x^7-126x^{22}+42x^{23}-22x^6-3x^2)/(x-1)/(2x^{23}-4x^{22}+2x^{21}+2x^7-2x^6-x^5+x^3-x^2+2x-2)$  lgdogf  
A160642 8.01876 [  $-(2x^{23}-4x^{22}+2x^{21}+2x^7-2x^6-x^5+x^3-x^2+2x-2)/(x-1)^2$  ogf]  
A160674 10.1155 [  $(x+1)*(x^2+58x+1)/(x-1)^4$  ogf]  
A160674 16.3498  $-(63+295x+x^3+121x^2)/(x-1)/(x+1)/(x^2+58x+1)$  lgdogf  
A160674 4.16211 [  $\{(28n^2+137n+162)*a(n+1)+(-56n^2-280n-525)*a(n+2)+(28n^2+143n+177)*a(n+3), a(0) = 1, a(1) = 63, a(2) = 305\}$ , ogf]  
A160682 14.9142 [  $-(x-1)/(x^2-15x+1)$  ogf]  
A160682 15.6809  $-1/2*(-15x-1+(221x^2+26x+1)^{1/2})/(1+x)$  revogf  
A160682 21.0711  $-(14-2x+x^2)/(x-1)/(x^2-15x+1)$  lgdogf  
A160682 8.16732 [  $\{a(n+2)-15a(n+1)+a(n), a(0) = 1, a(1) = 14\}$ , ogf]  
A160695 13.9599 [  $-5x/(x-1)/(x^2-23x+1)$  ogf]  
A160695 19.0424  $-3*(8-16x+x^2)/(x-1)/(x^2-23x+1)$  lgdogf  
A160695 5.70534 [  $\{a(n+3)-24a(n+2)+24a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 120\}$ , ogf]  
A160699 10.4205 [  $x*(17x^2+86x+17)/(x-1)^4$  ogf]  
A160699 18.1676  $-2*(77+146x+17x^2)/(x-1)/(17x^2+86x+17)$  lgdogf  
A160699 3.78927 [  $\{(-51-17n)*a(n+4)+(16-69n)*a(n+3)+(361+69n)*a(n+2)+(34+17n)*a(n+1), a(0) = 0, a(1) = 17, a(2) = 154, a(3) = 531\}$ , ogf]  
A160705 6.00696 [  $-x^4*(x-1)*(x^2+x+1)*(x^4+x^3-x^2+x+1)/(x+1)^4/(x^2-x+1)^4$  ogf]  
A160705 6.75560  $-(1+5x^9-2x-12x^2-11x^3+15x^4-6x^5-7x^6-7x^7+6x^8)/(-1+x)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3-x^2+x+1)$  lgdogf  
A160706 15.8562  $-2*x*(-1+2x^2-2x)/(-1+x)/(x+1)/(x^2-x+1)$  lgdogf  
A160706 17.5068 [  $2x^5-2x^2-x$  ogf\_with\_Euler\_transform]  
A160706 6.62010 [  $-x^3*(x-1)/(x+1)/(x^2-x+1)^2$  ogf]  
A160737 6.13313 [  $x*(4x^4+719x^3+2334x^2+719x+4)/(x-1)^6$  ogf]  
A160737 9.03146  $-(743+8263x+8x^4+11493x^2+2173x^3)/(x-1)/(4x^4+719x^3+2334x^2+719x+4)$  lgdogf  
A160739 4.66028 [  $-(16x^6+10047x^5+73047x^4+73222x^3+9942x^2+51x-5)/(x-1)^7$  ogf]  
A160739 5.41125  $-2*(8+10095x+8x^6+10095x^5+134688x^4+292538x^3+134688x^2)/(x-1)/(16x^6+10047x^5+73047x^4+73222x^3+9942x^2+51x-5)$  lgdogf  
A160741 4.36573 [  $-(10159x^6+796098x^5+4515933x^4+4516108x^3+795993x^2+10194x-5)/(x-1)^7$  ogf]  
A160743 4.44670 [  $x*(8x^6+17529x^5+248592x^4+548822x^3+248592x^2+17529x+8)/(x-1)^8$  ogf]  
A160747 12.1977  $-(15+80x+x^4+90x^2+24x^3)/(x-1)/(x^4+10x^3+20x^2+10x+1)$  lgdogf  
A160747 4.98794 [  $\{(-n^2-n)*a(n)+(2n^2+6n+34)*a(n+1)+(-n^2-5n-6)*a(n+2), a(0) = 1, a(1) = 15\}$ , ogf]  
A160747 7.73640 [  $-(x^4+10x^3+20x^2+10x+1)/(x-1)^5$  ogf]  
A160749 12.8414 [  $-(x^2+5x+5)/(x-1)^3$  ogf]

A160749 24.7803  $-(x+10)*(x+2)/(x-1)/(x^2+5*x+5)$  lgdogf  
A160749 6.87129  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 20, a(2) = 46\}, ogf ]$   
A160750 10.5409  $-(16+92*x+62*x^2+10*x^3+105*x^4)/(x-1)/(10*x^4+11*x^3+24*x^2+11*x+1)$  lgdogf  
A160750 7.38153  $[ -(10*x^4+11*x^3+24*x^2+11*x+1)/(x-1)^5 ogf ]$   
A160755 12.9469  $(-2-15*x^8+8*x^7+7*x^9)/(-1+x)/(x^9-x^8+1)$  lgdogf  
A160755 9.81437  $[ (x^9-x^8+1)/(x-1)^2 ogf ]$   
A160765 11.9798  $-(18+116*x+x^4+135*x^2+30*x^3)/(x-1)/(x^2+3*x+1)/(x^2+10*x+1)$  lgdogf  
A160765 7.59956  $[ -(x^2+3*x+1)*(x^2+10*x+1)/(x-1)^5 ogf ]$   
A160767 11.4330  $-(17+104*x+x^4+28*x^3+120*x^2)/(x-1)/(x^4+12*x^3+28*x^2+12*x+1)$  lgdogf  
A160767 7.49252  $[ -(x^4+12*x^3+28*x^2+12*x+1)/(x-1)^5 ogf ]$   
A160768 10.1019  $-(203+574*x+x^4+46*x^3+336*x^2)/(x-1)/(x^4+21*x^3+91*x^2+98*x+21)$  lgdogf  
A160768 6.76862  $[ -(x^4+21*x^3+91*x^2+98*x+21)/(x-1)^5 ogf ]$   
A160769 6.73460  $[ -(x^4+22*x^3+97*x^2+101*x+21)/(x-1)^5 ogf ]$   
A160769 9.99986  $-(206+598*x+x^4+48*x^3+357*x^2)/(x-1)/(x^4+22*x^3+97*x^2+101*x+21)$  lgdogf  
A160787 6.66792  $[ -(x^4+23*x^3+103*x^2+104*x+21)/(x-1)^5 ogf ]$   
A160787 9.85061  $-(209+622*x+x^4+50*x^3+378*x^2)/(x-1)/(x^4+23*x^3+103*x^2+104*x+21)$  lgdogf  
A160788 4.66504  $[ -(x^6+48*x^5+449*x^4+1014*x^3+561*x^2+62*x+1)/(x-1)^7 ogf ]$   
A160788 6.18530  $-(69+1494*x+1587*x^2+5852*x^3+x^6+102*x^5+5847*x^2)/(x-1)/(x^6+48*x^5+449*x^4+1014*x^3+561*x^2+62*x+1)$  lgdogf  
A160790 10.7645  $[ -x*(x^2-x-1)/(x+1)^3/(x-1)^4 ogf ]$   
A160790 23.9960  $-(2-6*x-5*x^2+5*x^3)/(x-1)/(x+1)/(x^2-x-1)$  lgdogf  
A160791 11.8421  $[ (x^2-x-1)/(x-1)^3/(x+1)^3 ogf ]$   
A160805 10.2987  $[ -(5*x^3-13*x^2+10*x-4)/(x-1)^4 ogf ]$   
A160805 14.8759  $-(6+4*x-11*x^2+5*x^3)/(x-1)/(5*x^3-13*x^2+10*x-4)$  lgdogf  
A160805 4.06800  $[ \{ (659*n^2+4330*n+6024)*a(n+1)+(-1392*n^2-7833*n-9522)*a(n+2)+(733*n^2+3281*n+3246)*a(n+3), a(0) = 4, a(1) = 6, a(2) = 13 \}, ogf ]$   
A160811 10.0743  $[ -(x^17-x^16+x^6-x^5+x^3+3*x-5)/(x-1)^2 ogf ]$   
A160811 9.04762  $(7-3*x+15*x^17-9*x^5+5*x^4+x^3-31*x^16+4*x^6-3*x^2+16*x^15)/(x-1)/(x^17-x^16+x^6-x^5+x^3+3*x-5)$  lgdogf  
A160815 4.66504  $[ -(x^6+49*x^5+458*x^4+1023*x^3+562*x^2+62*x+1)/(x-1)^7 ogf ]$   
A160815 6.18530  $-(69+1496*x+1619*x^2+5924*x^3+x^6+104*x^5+5879*x^2)/(x-1)/(x^6+49*x^5+458*x^4+1023*x^3+562*x^2+62*x+1)$  lgdogf  
A160816 4.66504  $[ -(x^6+50*x^5+467*x^4+1032*x^3+563*x^2+62*x+1)/(x-1)^7 ogf ]$   
A160816 6.18530  $-(69+1498*x+1651*x^2+5996*x^3+x^6+106*x^5+5911*x^2)/(x-1)/(x^6+50*x^5+467*x^4+1032*x^3+563*x^2+62*x+1)$  lgdogf  
A160817 4.66504  $[ -(x^6+51*x^5+476*x^4+1041*x^3+564*x^2+62*x+1)/(x-1)^7 ogf ]$   
A160817 6.18530  $-(69+1500*x+1683*x^2+6068*x^3+x^6+108*x^5+5943*x^2)/(x-1)/(x^6+51*x^5+476*x^4+1041*x^3+564*x^2+62*x+1)$  lgdogf  
A160824 10.7684  $[ (x-1)*(8*x^4+x^3+5*x^2+6*x+1)/(2*x^2-1) ogf ]$   
A160824 9.51909  $(5+2*x-28*x^5+48*x^6+28*x^3-32*x^4-2*x^2)/(x-1)/(2*x^2-1)/(8*x^4+x^3+5*x^2+6*x+1)$  lgdogf  
A160825 10.7505  $(-6-14*x+32*x^5+2*x^4-15*x^2-32*x^3)/(2*x^2-1)/(8*x^4+x^3+5*x^2+6*x+1)$  lgdogf  
A160825 12.3405  $[ -(8*x^4+x^3+5*x^2+6*x+1)/(2*x^2-1) ogf ]$   
A160827 12.2664  $-2*(x^2+x+1)*(x^2+10*x+49)/(x-1)/(2*x^4+7*x^3+33*x^2+13*x+17)$  lgdogf  
A160827 7.77795  $[ -(2*x^4+7*x^3+33*x^2+13*x+17)/(x-1)^5 ogf ]$   
A160828 10.8559  $-3*(59-28*x+3*x^4-12*x^3+58*x^2)/(x-1)/(9*x^4-36*x^3+94*x^2-68*x+49)$  lgdogf  
A160828 7.37320  $[ -2*(9*x^4-36*x^3+94*x^2-68*x+49)/(x-1)^5 ogf ]$   
A160829 4.89904  $[ -(x^6+40*x^5+305*x^4+612*x^3+337*x^2+44*x+1)/(x-1)^7 ogf ]$   
A160829 6.64784  $-(51+938*x+x^6+86*x^5+3521*x^2+3668*x^3+1115*x^4)/(x-1)/(x^6+40*x^5+305*x^4+612*x^3+337*x^2+44*x+1)$  lgdogf  
A160831 4.66504  $[ -(x^6+57*x^5+530*x^4+1095*x^3+570*x^2+62*x+1)/(x-1)^7 ogf ]$



A160831 6.18530  $-(69+1512*x+1875*x^4+6500*x^3+x^6+120*x^5+6135*x^2)/(x-1)/(x^6+57*x^5+530*x^4+1095*x^3+570*x^2+62*x+1)$  lgdogf  
A160832 16.5405  $[-(-3*x^3-x^2-2*x-1)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A160833 4.66504  $[-(x^6+56*x^5+521*x^4+1086*x^3+569*x^2+62*x+1)/(x-1)^7$  ogf]  
A160833 6.18530  $-(69+1510*x+1843*x^4+6428*x^3+x^6+118*x^5+6103*x^2)/(x-1)/(x^6+56*x^5+521*x^4+1086*x^3+569*x^2+62*x+1)$  lgdogf  
A160834 4.66504  $[-(x^6+54*x^5+503*x^4+1068*x^3+567*x^2+62*x+1)/(x-1)^7$  ogf]  
A160834 6.18530  $-(69+1506*x+1779*x^4+6284*x^3+x^6+114*x^5+6039*x^2)/(x-1)/(x^6+54*x^5+503*x^4+1068*x^3+567*x^2+62*x+1)$  lgdogf  
A160835 4.89904  $[-(x^6+42*x^5+323*x^4+630*x^3+339*x^2+44*x+1)/(x-1)^7$  ogf]  
A160835 6.64784  $-(51+942*x+x^6+90*x^5+3585*x^2+3812*x^3+1179*x^4)/(x-1)/(x^6+42*x^5+323*x^4+630*x^3+339*x^2+44*x+1)$  lgdogf  
A160836 4.66504  $[-(x^6+52*x^5+485*x^4+1050*x^3+565*x^2+62*x+1)/(x-1)^7$  ogf]  
A160836 6.18530  $-(69+1502*x+1715*x^4+6140*x^3+x^6+110*x^5+5975*x^2)/(x-1)/(x^6+52*x^5+485*x^4+1050*x^3+565*x^2+62*x+1)$  lgdogf  
A160837 5.14825  $[-(x^6+37*x^5+254*x^4+475*x^3+262*x^2+38*x+1)/(x-1)^7$  ogf]  
A160837 7.06251  $-(45+752*x+x^6+80*x^5+947*x^4+2735*x^2+2916*x^3)/(x-1)/(x^6+37*x^5+254*x^4+475*x^3+262*x^2+38*x+1)$  lgdogf  
A160838 5.14825  $[-(x^2+6*x+1)*(x^4+32*x^3+70*x^2+32*x+1)/(x-1)^7$  ogf]  
A160838 7.44222  $-(45+754*x+x^6+82*x^5+979*x^4+2767*x^2+2988*x^3)/(x-1)/(x^2+6*x+1)/(x^4+32*x^3+70*x^2+32*x+1)$  lgdogf  
A160839 4.39411  $[-(x^6+72*x^5+927*x^4+3237*x^3+3492*x^2+1116*x+78)/(x-1)^7$  ogf]  
A160840 4.78234  $[-(x^6+63*x^5+714*x^4+1885*x^3+1230*x^2+147*x+1)/(x-1)^7$  ogf]  
A160840 6.13693  $-(154+3342*x+x^6+132*x^5+2457*x^4+11805*x^2+10396*x^3)/(x-1)/(x^6+63*x^5+714*x^4+1885*x^3+1230*x^2+147*x+1)$  lgdogf  
A160841 4.49467  $[-(x^6+66*x^5+744*x^4+1915*x^3+1230*x^2+147*x+1)/(x-1)^7$  ogf]  
A160841 5.76207  $-(154+3342*x+11895*x^2+10636*x^3+2562*x^4+138*x^5+x^6)/(x-1)/(x^6+66*x^5+744*x^4+1915*x^3+1230*x^2+147*x+1)$  lgdogf  
A160842 11.4185  $[-x*(2*x^3-4*x^2+3*x+1)/(x-1)^3$  ogf]  
A160842 21.6251  $-2*(3-x+x^2)/(x-1)/(2*x^3-4*x^2+3*x+1)$  lgdogf  
A160842 5.74861  $[{-a(n+5)+3*a(n+4)-3*a(n+3)+a(n+2), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 11, a(4) = 18}$ ], ogf]  
A160843 10.0364  $[-x*(3*x^4-3*x^3-2*x^2+9*x+1)/(x+1)/(x-1)^3$  ogf]  
A160843 11.9603  $-(11+18*x+3*x^4+2*x^3+14*x^2)/(x-1)/(x+1)/(3*x^4-3*x^3-2*x^2+9*x+1)$  lgdogf  
A160844 7.05861  $-2*(9+35*x+23*x^6+56*x^5+93*x^4+75*x^2+98*x^3+5*x^7+2*x^8)/(x-1)/(x+1)/(x^2+x+1)/(4*x^6-3*x^4+9*x^3+16*x^2+17*x+1)$  lgdogf  
A160844 7.62834  $[-x*(4*x^6-3*x^4+9*x^3+16*x^2+17*x+1)/(x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A160845 6.28401  $[-x*(5*x^8+x^6+16*x^5+20*x^4+40*x^3+25*x^2+26*x+1)/(x^2+x+1)/(x+1)/(x^2+1)/(x-1)^3$  ogf]  
A160853 4.49467  $[-(x^6+67*x^5+754*x^4+1925*x^3+1230*x^2+147*x+1)/(x-1)^7$  ogf]  
A160853 5.76207  $-(154+3342*x+11925*x^2+10716*x^3+2597*x^4+140*x^5+x^6)/(x-1)/(x^6+67*x^5+754*x^4+1925*x^3+1230*x^2+147*x+1)$  lgdogf  
A160854 4.78234  $[-(x^6+59*x^5+632*x^4+1638*x^3+1098*x^2+147*x+1)/(x-1)^7$  ogf]  
A160854 6.19483  $-(154+3078*x+x^6+124*x^5+2191*x^4+10404*x^2+9080*x^3)/(x-1)/(x^6+59*x^5+632*x^4+1638*x^3+1098*x^2+147*x+1)$  lgdogf  
A160863 4.78234  $[-(x^6+60*x^5+656*x^4+1717*x^3+1142*x^2+147*x+1)/(x-1)^7$  ogf]  
A160863 6.19483  $-(154+3166*x+x^6+126*x^5+2268*x^4+10861*x^2+9492*x^3)/(x-1)/(x^6+60*x^5+656*x^4+1717*x^3+1142*x^2+147*x+1)$  lgdogf  
A160869 10.1243  $[-(6*x^2-1)/(x-1)/(6*x-1)/(3*x-1)/(2*x-1)$  ogf]  
A160869 6.71332  $-2*(6-53*x+144*x^2-72*x^3-216*x^4+216*x^5)/(x-1)/(6*x-1)/(3*x-1)/(-1+2*x)/(6*x^2-1)$  lgdogf  
A160873 12.7319  $[-3*x/(8*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A160873 5.31417  $[{a(n+3)-14*a(n+2)+56*a(n+1)-64*a(n), a(0) = 0, a(1) = 3, a(2) = 42}$ ], ogf]  
A160912 12.5695  $[(x+1)*(4*x+1)/(x-1)^2$  ogf]  
A160912 22.4438  $-(7+13*x)/(x-1)/(4*x+1)/(x+1)$  lgdogf  
A160912 6.46780  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 7, a(2) = 17}$ ], ogf]  
A160914 5.52127  $[(x^9-x^8-2*x^5+4*x^4+x+1)/(x^2+1)^2/(x+1)^3/(x-1)^4$  ogf]  
A160925 4.63507  $[$

$(81*x^{18}-9*x^{17}-9*x^{16}-9*x^{15}-9*x^{14}-9*x^{13}-9*x^{12}-9*x^{11}-8*x^{10}-9*x^9+9*x^8-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A160928 5.16960 [  $(81*x^{20}-9*x^{19}-9*x^{18}-9*x^{17}-9*x^{16}-9*x^{15}-9*x^{14}-9*x^{13}-9*x^{12}-9*x^{11}+8*x^{10}+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A160931 7.06006 [  $-(x^{10}-2*x^9+7*x^8-2*x^7-2*x^6-2*x^5-2*x^4-2*x^3-2*x^2-2*x-3)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A160939 7.02676 [  $-(8*x^{10}-2*x^9-2*x^8-2*x^7-2*x^6-2*x^5-2*x^4-2*x^3-2*x^2-2*x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A160941 15.1596 [  $(8*x^{10}+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A160943 6.97020 [  $-3*(3*x^{10}-x^9+2*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A160949 12.8714 [  $(x^{10}+9*x^8-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A160958 16.3188  $1/126/x*(-2*x-1+(1+4*x+256*x^2)^{(1/2)})$  revogf  
A160958 18.5911 [  $-1/(7*x+1)/(9*x-1)$  ogf]  
A160958 22.9673  $-2*(1+63*x)/(7*x+1)/(9*x-1)$  lgdogf  
A160958 7.61565 [  $\{-a(n+2)+2*a(n+1)+63*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A160967 6.82754  $-(2+8*x-24*x^7+16*x^9-24*x^5-30*x^6+12*x^3+15*x^2+16*x^{10})/(x-1)/(4*x^3-1)/(4*x^5+2*x^4-4*x^2-2*x-1)/(x^2+x+1)$  lgdogf  
A160967 9.89636 [  $-x*(4*x^5+2*x^4-4*x^2-2*x-1)/(x-1)/(4*x^3-1)/(x^2+x+1)$  ogf]  
A160970 10.4611 [  $x*(x+1)*(x^2+9*x+1)/(x^2+6*x+1)/(x^2-6*x+1)$  ogf]  
A160993 12.9232  $-x*(2+7*x^5+6*x^4+3*x)/(x^2+x+1)/(x^5-x^3+x^2+x-1)$  lgdogf  
A160993 13.4143 [  $-1/(x^2+x+1)/(x^5-x^3+x^2+x-1)$  ogf]  
A161007 19.6521 [  $-x/(16*x^2+2*x-1)$  ogf]  
A161007 9.10707 [  $\{-a(n+2)+2*a(n+1)+16*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A161112 7.25951 [  $-x^{10}*(2*x^{36}-x^{26}+x^{25}-x^{23}+x^{22}-x^6+1)/(x^2+x+1)/(x^{33}-x^3-1)/(x-1)^2$  ogf]  
A161113 7.32285 [  $-x^{11}*(2*x^{39}-x^{28}+x^{27}-x^{25}+x^{24}-x^6+1)/(x^2+x+1)/(x^{36}-x^3-1)/(x-1)^2$  ogf]  
A161120 3.09806 [  $\{(-2*n^2-5*n-2)*a(n+1)+(2*n^2+12*n+14)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A161122 6.70329 [  $\{(-2*n^2-5*n-2)*a(n+1)+n*a(n+2), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A161124 29.5782  $-3*(x+2)/(x+1)/(2*x-1)$  lgdegf  
A161124 3.92592 [  $\{(-2*n^2-7*n-6)*a(n+1)+(-2*n^2-12*n-22)*a(n+2)+(n+2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 12\}$ , ogf]  
A161125 4.80457 [  $\{(-n^3-2*n^2-n)*a(n)+(-n^2+1)*a(n+1)+(n^2-n)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 4\}$ , ogf]  
A161130 3.52719 [  $\{(n^2+5*n+6)*a(n+1)+(n^2+4*n+2)*a(n+2)+(-1-n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A161149 5.73070 [  $\{(-16*n^3-96*n^2-188*n-120)*a(n+1)+a(n+2), a(0) = 1, a(1) = 12\}$ , ogf]  
A161158 7.34310  $-2*(7-35*x+28*x^2-2*x^3-7*x^4+x^5)/(-1+x)/(x+1)/(x^4-14*x^3+34*x^2-14*x+1)$  lgdogf  
A161158 8.16104 [  $-(x-1)*(x+1)/(x^4-14*x^3+34*x^2-14*x+1)$  ogf]  
A161159 4.63901 [  $(9*x^4-115*x^3+208*x^2-115*x+9)/(x^2-5*x+1)/(x^4-35*x^3+72*x^2-35*x+1)$  ogf]  
A161168 10.5761  $1/4*\ln(4*x+3)+1/4*\ln(2*(x+1)^{(1/2)}-1)-1/4*\ln(2*(x+1)^{(1/2)}+1)$  revegf  
A161168 14.6190 [  $-2*(3*x-1)/(4*x-1)/(2*x-1)$  ogf]  
A161168 16.1286  $-(3-16*x+24*x^2)/(3*x-1)/(2*x-1)/(4*x-1)$  lgdogf  
A161168 8.02263 [  $\{a(n+2)-6*a(n+1)+8*a(n), a(0) = 2, a(1) = 6\}$ , ogf]  
A161176 10.5864 [  $-(121*x^2-220*x+107)/(x-1)^3$  ogf]  
A161176 15.0965  $-(101-198*x+121*x^2)/(x-1)/(121*x^2-220*x+107)$  lgdogf  
A161176 6.01095 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 107, a(1) = 101, a(2) = 103\}$ , ogf]  
A161184 4.81991 [  $-(3*x^{17}-3*x^{16}+6*x^{15}-6*x^{14}+3*x^{12}-3*x^{11}+6*x^{10}-3*x^9+3*x^8-6*x^7+3*x^6+3*x^5-$

$3x^4+2x^3+2x^2+x+1)/(x-1)$  ogf]  
A161204 10.9600 [  $-(x^3-2x^2-3x+2)/(2x-1)/(x+1)/(x^2+1)$  ogf]  
A161204 11.0085 [  $-(-1+2x^6-8x^5-21x^4+8x^3+8x^2)/(2x-1)/(x+1)/(x^2+1)/(x^3-2x^2-3x+2)$  lgdogf]  
A161365 14.8245 [  $(x^2+9)/(x+1)/(x-1)^2$  ogf]  
A161365 22.4007 [  $-(9+29x+x^3+x^2)/(x-1)/(x+1)/(x^2+9)$  lgdogf]  
A161365 7.47785 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 9, a(1) = 9, a(2) = 19\}$ , ogf]  
A161370 18.7376 [  $(7-8x+4x^2)/(2x-1)/(2x-3)$  lgdegf]  
A161374 4.97371 [  $x*(48x^{12}+48x^{11}+16x^{10}-4x^9-28x^8-12x^7-18x^6-8x^5-2x^4+2x^3+4x^2+2x+1)/(4x^3-1)/(2x^3-1)$  ogf]  
A161434 10.9695 [  $-6/(x-1)/(2x^6-12x^5+30x^4-40x^3+30x^2-12x+1)$  lgdogf]  
A161434 5.72370 [  $(x-1)^6/(2x^6-12x^5+30x^4-40x^3+30x^2-12x+1)$  ogf]  
A161435 16.1850 [  $-x^3-x^2-x+3$  ogf\_with\_Euler\_transform]  
A161435 19.4536 [  $(3+7x+6x^4+11x^2+9x^3)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf]  
A161436 13.7621 [  $-x^4-x^3-x^2-x+4$  ogf\_with\_Euler\_transform]  
A161436 9.83125 [  $(4+14x+10x^8+26x^7+46x^6+59x^5+61x^4+31x^2+49x^3)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)$  lgdogf]  
A161437 12.2303 [  $-x^5-x^4-x^3-x^2-x+5$  ogf\_with\_Euler\_transform]  
A161438 11.4185 [  $-x^6-x^5-x^4-x^3-x^2-x+6$  ogf\_with\_Euler\_transform]  
A161439 11.0926 [  $-x^7-x^6-x^5-x^4-x^3-x^2-x+7$  ogf\_with\_Euler\_transform]  
A161456 15.8856 [  $(-8/x^9+9/x^8-1)*x^9/(x-1)$  ogf\_with\_Euler\_transform]  
A161456 15.8856 [  $(-8/x^9+9/x^8-1)/(x-1)*x^9$  ogf\_with\_Euler\_transform]  
A161457 18.8137 [  $(10/x^9-9/x^{10}-1)*x^{10}/(x-1)$  ogf\_with\_Euler\_transform]  
A161462 5.24624 [  $-(2x^{13}+7x^{12}+5x^{11}+6x^{10}+5x^8-5x^6+5x^4+2x^3+2x^2+5x+1)/(x-1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A161474 6.93148 [  $\{(-n-5)*a(n+1)+a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 4\}$ , ogf]  
A161478 6.71604 [  $x*(36x^5+41x^4+36x^3-164x^2-123x-52)/(x-1)/(x^6-6x^3+1)$  ogf]  
A161479 7.92367 [  $-(x-1)*(85x^4+198x^3+371x^2+198x+85)/(x^6-6x^3+1)$  ogf]  
A161482 6.13329 [  $x*(60x^5+31x^4+60x^3-264x^2-93x-96)/(x-1)/(x^6-6x^3+1)$  ogf]  
A161483 7.86299 [  $-(x-1)*(109x^4+260x^3+525x^2+260x+109)/(x^6-6x^3+1)$  ogf]  
A161486 6.10881 [  $x*(51x^5+89x^4+51x^3-237x^2-267x-69)/(x-1)/(x^6-6x^3+1)$  ogf]  
A161487 7.49496 [  $-(x-1)*(149x^4+340x^3+609x^2+340x+149)/(x^6-6x^3+1)$  ogf]  
A161495 6.25379 [  $-(-35+186x+6x^5+312x^3-75x^4-410x^2)/(x-3)/(3x-1)/(x^4-15x^3+32x^2-15x+1)$  lgdogf]  
A161495 7.18005 [  $(3x-1)*(x-3)/(x^4-15x^3+32x^2-15x+1)$  ogf]  
A161498 7.69480 [  $-(13-74x-13x^4-4x^3+2x^5+52x^2)/(x-1)/(x+1)/(x^4-13x^3+36x^2-13x+1)$  lgdogf]  
A161498 8.66012 [  $-(x-1)*(x+1)/(x^4-13x^3+36x^2-13x+1)$  ogf]  
A161499 17.3571 [  $-(18-19x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161512 16.7226 [  $-(19-20x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161513 14.5981 [  $-(20-21x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161518 14.9103 [  $-(21-22x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161521 15.2226 [  $-(22-23x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161523 15.4568 [  $-(23-24x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161524 15.6910 [  $-(24-25x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161525 16.0813 [  $-(25-26x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161526 16.3155 [  $-(26-27x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161530 16.3936 [  $-(27-28x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161532 13.2546 [  $(5x^2-8x-1)/(x-1)^3$  ogf]  
A161532 22.6609 [  $-(x+1)*(5x-11)/(x-1)/(5x^2-8x-1)$  lgdogf]  
A161532 7.09239 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 11, a(2) = 25\}$ , ogf]  
A161549 12.5798 [  $(11x^2-14x-1)/(x-1)^3$  ogf]  
A161549 20.4530 [  $-(x+1)*(11x-17)/(x-1)/(11x^2-14x-1)$  lgdogf]

A161549 6.95200 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 17, a(2) = 37\}$ , ogf]  
A161561 6.24671 [ $(x^2+x+1)*(x^6+x^3+1)*(90x^{10}-90x^9-9x^{10})/(x-1)/(10x^9-1)$  ogf]  
A161571 16.7839 [ $-(28-29x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161572 15.5932 [ $-(29-30x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161573 15.6700 [ $-(30-31x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161581 4.13755 [ $\{(27n^2+243n+546)*a(n+1)+(-n^2-13n-42)*a(n+2), a(0) = 21, a(1) = 231\}$ , ogf]  
A161582 12.6241 [ $-7x/(x-1)/(x^2-47x+1)$  ogf]  
A161582 16.7148  $-3*(16-32x+x^2)/(x-1)/(x^2-47x+1)$  lgdogf  
A161582 5.15943 [ $\{a(n+3)-48a(n+2)+48a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 336\}$ , ogf]  
A161583 12.1925 [ $-17x/(x-1)/(x^2-287x+1)$  ogf]  
A161583 16.2623  $-3*(96-192x+x^2)/(x-1)/(x^2-287x+1)$  lgdogf  
A161583 5.12288 [ $\{a(n+3)-288a(n+2)+288a(n+1)-a(n), a(0) = 0, a(1) = 17, a(2) = 4896\}$ , ogf]  
A161584 12.3644  $-(224-448x+3x^2)/(-1+x)/(x^2-223x+1)$  lgdogf  
A161584 4.11685 [ $\{a(n+3)-224a(n+2)+224a(n+1)-a(n), a(0) = 0, a(1) = 15, a(2) = 3360\}$ , ogf]  
A161584 9.79810 [ $-15x/(x-1)/(x^2-223x+1)$  ogf]  
A161585 14.0989 [ $-9x/(x-1)/(x^2-79x+1)$  ogf]  
A161585 18.1759  $-(80-160x+3x^2)/(x-1)/(x^2-79x+1)$  lgdogf  
A161585 5.76217 [ $\{a(n+3)-80a(n+2)+80a(n+1)-a(n), a(0) = 0, a(1) = 9, a(2) = 720\}$ , ogf]  
A161586 3.97619 [ $\{a(n+4)-120a(n+3)+120a(n+2)-a(n+1), a(0) = 0, a(1) = 1320, a(2) = 157080, a(3) = 18691211\}$ , ogf]  
A161586 7.84774 [ $-11x*(x^2-120x+120)/(x-1)/(x^2-119x+1)$  ogf]  
A161587 12.0186 [ $-(4x^2+21x+1)/(x-1)^3$  ogf]  
A161587 19.2210  $-2*(x+12)*(2x+1)/(x-1)/(4x^2+21x+1)$  lgdogf  
A161587 6.53644 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 24, a(2) = 73\}$ , ogf]  
A161588 13.2153 [ $-13x/(x-1)/(x^2-167x+1)$  ogf]  
A161588 17.6389  $-3*(56-112x+x^2)/(x-1)/(x^2-167x+1)$  lgdogf  
A161588 5.55264 [ $\{a(n+3)-168a(n+2)+168a(n+1)-a(n), a(0) = 0, a(1) = 13, a(2) = 2184\}$ , ogf]  
A161591 14.9142 [ $(x+1)/(x^2-15x+1)$  ogf]  
A161591 15.6809  $-1/2*(-15x-1+(221x^2+34x+1)^{1/2})/(x-1)$  revogf  
A161591 20.4326  $-(-16+2x+x^2)/(x+1)/(x^2-15x+1)$  lgdogf  
A161591 8.16732 [ $\{-a(n+2)+15a(n+1)-a(n), a(0) = 1, a(1) = 16\}$ , ogf]  
A161595 15.4903 [ $-(x-1)/(x^2-17x+1)$  ogf]  
A161595 16.2971  $-1/2*(-1-17x+(1+30x+285x^2)^{1/2})/(1+x)$  revogf  
A161595 21.8993  $-(16-2x+x^2)/(x-1)/(x^2-17x+1)$  lgdogf  
A161595 8.48279 [ $\{a(n+2)-17a(n+1)+a(n), a(0) = 1, a(1) = 16\}$ , ogf]  
A161599 15.5543 [ $(x+1)/(x^2-17x+1)$  ogf]  
A161599 16.3656  $-1/2*(-1-17x+(1+38x+285x^2)^{1/2})/(x-1)$  revogf  
A161599 21.3249  $-(-18+2x+x^2)/(x+1)/(x^2-17x+1)$  lgdogf  
A161599 8.51785 [ $\{-a(n+2)+17a(n+1)-a(n), a(0) = 1, a(1) = 18\}$ , ogf]  
A161617 11.7891 [ $(11x^2-26x-1)/(x-1)^3$  ogf]  
A161617 18.1965  $-(-29-30x+11x^2)/(x-1)/(11x^2-26x-1)$  lgdogf  
A161617 6.51504 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 29, a(2) = 73\}$ , ogf]  
A161634 38.3306  $x/(1+x+2x^2+x^3)$  revogf  
A161636 15.7468 [ $-(31-32x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161640 14.7222 [ $-(32-33x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161646 14.7977 [ $-(33-34x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161647 14.7977 [ $-(34-35x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161648 13.7107 [ $-(35-36x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161649 13.7848 [ $-(36-37x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161650 13.7848 [ $-(37-38x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161651 14.1554 [ $-(38-39x)/(x-1)$  ogf\_with\_Euler\_transform]

A161652 14.3036  $[-(39-40*x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161653 14.3777  $[-(40-41*x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161662 14.5260  $[-(41-42*x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161663 14.7483  $[-(42-43*x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161668 14.7483  $[-(43-44*x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161679 14.8224  $[-(44-45*x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161680 101.220  $-3/(x-1)$  lgdogf  
A161680 19.9449  $[-x^2/(x-1)^3$  ogf]  
A161680 62.6084  $[[3]$  ogf\_with\_Euler\_transform]  
A161680 7.43401  $[\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 0, a(2) = 1\},$   
ogf]  
A161690 15.1188  $[-(45-46*x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161691 15.1930  $[-(46-47*x)/(x-1)$  ogf\_with\_Euler\_transform]  
A161696 13.3244  $(3+4*x+9*x^6+6*x^5+14*x^4+10*x^2+8*x^3)/(x+1)/(1+x^2)/(x^2+x+1)/$   
 $(x^2-x+1)$  lgdogf  
A161696 14.8118  $[-x^5-x^3-x+3]$  ogf\_with\_Euler\_transform]  
A161697 10.6273  $2*(2*x^4+x^3+x^2+x+1)*(4*x^6+x^5+4*x^4+4*x^2+x+2)/(x+1)/(x^2+x$   
 $+1)/(x^2-x+1)/(1+x^4)/(1+x^2)$  lgdogf  
A161697 14.6820  $[-x^7-x^5-x^3-x+4]$  ogf\_with\_Euler\_transform]  
A161697 6.48685  $[(x^4+1)*(x^2+x+1)*(x^2-x+1)*(x^2+1)^2*(x+1)^4]$  ogf]  
A161698 9.31722  $[(5/x^11+5/x^9+1/x^10-1)/(x+1)*x^11/(x-1)$   
ogf\_with\_Euler\_transform]  
A161698 9.31722  $[(5/x^9-5/x^11+1/x^10-1)*x^11/(x+1)/(x-1)$   
ogf\_with\_Euler\_transform]  
A161699 10.4827  $[(1/x^12+6/x^11-6/x^13-1)/(x-1)*x^13/(x+1)$   
ogf\_with\_Euler\_transform]  
A161699 10.4827  $[(6/x^11-6/x^13+1/x^12-1)*x^13/(x-1)/(x+1)$   
ogf\_with\_Euler\_transform]  
A161701 12.7881  $-2*(1-4*x+2*x^4-2*x^3+6*x^2)/(x-1)/(2*x^4-4*x^3+6*x^2-4*x+1)$   
lgdogf  
A161701 3.92986  $[\{(-n^2-7*n-12)*a(n+1)+(2*n^2+9*n+4)*a(n+2)+(-n^2-2*n+3)*a(n+3),$   
 $a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4, a(4) = 6\},$  ogf]  
A161701 7.51964  $[(2*x^4-4*x^3+6*x^2-4*x+1)/(x-1)^6]$  ogf]  
A161702 16.1188  $-2*(3*x+1)*(x^2+x-1)/(x-1)/(6*x^3-5*x^2+2*x-1)$  lgdogf  
A161702 4.19520  $[\{(7*n+14)*a(n+1)+(-12*n-12)*a(n+2)+(5*n+4)*a(n+3), a(0) = 1,$   
 $a(1) = 2, a(2) = 7\},$  ogf]  
A161702 8.33591  $[-(6*x^3-5*x^2+2*x-1)/(x-1)^4]$  ogf]  
A161703 10.0315  $[(9*x^3-x^2-x+1)/(x-1)^4]$  ogf]  
A161703 18.0373  $-(x+3)*(9*x^2-2*x+1)/(x-1)/(9*x^3-x^2-x+1)$  lgdogf  
A161703 4.08689  $[\{(59*n^2+403*n+570)*a(n+1)+(-130*n^2-656*n-378)*a(n$   
 $+2)+(71*n^2+217*n+12)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 5\},$  ogf]  
A161704 6.65964  $[(18*x^5-7*x^4-2*x^3+6*x^2-4*x+1)/(x-1)^6]$  ogf]  
A161704 9.84273  $-2*(1-4*x+9*x^2-17*x^3+38*x^4+9*x^5)/(x-1)/$   
 $(18*x^5-7*x^4-2*x^3+6*x^2-4*x+1)$  lgdogf  
A161705 10.1887  $[\{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 19\},$  ogf]  
A161705 18.3840  $[(17*x+1)/(x-1)^2]$  ogf]  
A161705 23.0474  $-1/2*(-1-2*x+(1+72*x)^(1/2))/(-17+x)$  revogf  
A161705 33.1883  $-(19+17*x)/(17*x+1)/(x-1)$  lgdogf  
A161706 5.61282  $[-(21*x^5-15*x^4+9*x^3-7*x^2+4*x-1)/(x-1)^6]$  ogf]  
A161706 9.68628  $-(-2+6*x-x^2-33*x^3+75*x^4+21*x^5)/(x-1)/$   
 $(21*x^5-15*x^4+9*x^3-7*x^2+4*x-1)$  lgdogf  
A161707 17.9945  $-(3-x+23*x^2+7*x^3)/(x-1)/(7*x^3+x^2-x+1)$  lgdogf  
A161707 3.87903  $[\{(-287*n^2-1624*n-2100)*a(n+1)+(486*n^2+1926*n+621)*a(n$   
 $+2)+(-199*n^2-566*n+93)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 7\},$  ogf]  
A161707 9.77314  $[(7*x^3+x^2-x+1)/(x-1)^4]$  ogf]  
A161708 14.9070  $-2*(-1-6*x+12*x^2+7*x^3)/(x-1)/(14*x^3-9*x^2+2*x-1)$  lgdogf  
A161708 8.48771  $[-(14*x^3-9*x^2+2*x-1)/(x-1)^4]$  ogf]  
A161709 10.0447  $[\{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 23\},$  ogf]  
A161709 18.1242  $[(21*x+1)/(x-1)^2]$  ogf]  
A161709 22.7196  $-1/2*(-1-2*x+(1+88*x)^(1/2))/(-21+x)$  revogf  
A161709 32.7163  $-(23+21*x)/(21*x+1)/(x-1)$  lgdogf

A161710 4.17257 [  $-(24*x^7-18*x^6+12*x^5-16*x^4+20*x^3-15*x^2+6*x-1)/(x-1)^8$  ogf ]  
A161710 6.48222  $-2*(-1+6*x-15*x^2+18*x^3-2*x^4-36*x^5+66*x^6+12*x^7)/(x-1)/(24*x^7-18*x^6+12*x^5-16*x^4+20*x^3-15*x^2+6*x-1)$  lgdogf  
A161711 14.3048  $-2*(-1-8*x+16*x^2+9*x^3)/(x-1)/(18*x^3-11*x^2+2*x-1)$  lgdogf  
A161711 8.18171 [  $-(18*x^3-11*x^2+2*x-1)/(x-1)^4$  ogf ]  
A161712 15.6974  $-(3+3*x+21*x^2+5*x^3)/(x-1)/(x+1)/(5*x^2-2*x+1)$  lgdogf  
A161712 4.27575 [  $\{(-3*n-6)*a(n+1)+(4*n-1)*a(n+2)+(-n+1)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 27, a(4) = 65\}$ , ogf ]  
A161712 9.77314 [  $(x+1)*(5*x^2-2*x+1)/(x-1)^4$  ogf ]  
A161713 5.65046 [  $-(7*x^5-7*x^4+7*x^3-7*x^2+4*x-1)/(x-1)^6$  ogf ]  
A161713 9.82659  $-(2+6*x-7*x^2-7*x^3+21*x^4+7*x^5)/(x-1)/(7*x^5-7*x^4+7*x^3-7*x^2+4*x-1)$  lgdogf  
A161714 18.0293 [  $(27*x+1)/(x-1)^2$  ogf ]  
A161714 21.9919  $-1/2*(-1-2*x+(1+112*x)^(1/2))/(-27+x)$  revogf  
A161714 32.5480  $-(29+27*x)/(27*x+1)/(x-1)$  lgdogf  
A161714 9.99214 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 29\}$ , ogf ]  
A161715 4.65924 [  $(84*x^7-51*x^6+18*x^5+8*x^4-19*x^3+15*x^2-6*x+1)/(x-1)^8$  ogf ]  
A161715 6.32736  $-(2-12*x+33*x^2-63*x^3+122*x^4-252*x^5+486*x^6+84*x^7)/(x-1)/(84*x^7-51*x^6+18*x^5+8*x^4-19*x^3+15*x^2-6*x+1)$  lgdogf  
A161718 17.8814 [  $(3*x^2+1)/(x+1)^2$  ogf ]  
A161718 37.7939  $2*(-1+3*x)/(x+1)/(3*x^2+1)$  lgdogf  
A161718 8.59009 [  $\{a(n+3)+2*a(n+2)+a(n+1), a(0) = 1, a(1) = -2, a(2) = 6\}$ , ogf ]  
A161726 10.0805 [  $-(10397*x^2-19874*x+9479)/(x-1)^3$  ogf ]  
A161726 14.3792  $-(8563-18954*x+10397*x^2)/(x-1)/(10397*x^2-19874*x+9479)$  lgdogf  
A161726 5.99831 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 9479, a(1) = 8563, a(2) = 7649\}$ , ogf ]  
A161727 12.6414  $-1/2*(-1-8*x+((2*x+1)*(6*x+1))^(1/2))/(2+13*x)$  revogf  
A161727 12.9061 [  $-(2*x-1)/(13*x^2-8*x+1)$  ogf ]  
A161727 14.1830  $-2*(3-13*x+13*x^2)/(2*x-1)/(13*x^2-8*x+1)$  lgdogf  
A161727 7.15278 [  $\{-a(n+2)+8*a(n+1)-13*a(n), a(0) = 1, a(1) = 6\}$ , ogf ]  
A161728 12.9723 [  $-(x-1)/(13*x^2-8*x+1)$  ogf ]  
A161728 13.2852  $-1/2*(-1-8*x+(1+12*x+12*x^2)^(1/2))/(1+13*x)$  revogf  
A161728 15.7986  $-(7-26*x+13*x^2)/(x-1)/(13*x^2-8*x+1)$  lgdogf  
A161728 7.18947 [  $\{-a(n+2)+8*a(n+1)-13*a(n), a(0) = 1, a(1) = 7\}$ , ogf ]  
A161729 13.8738  $-1/104*(-16*x-1+(48*x^2+32*x+1)^(1/2))/x$  revogf  
A161729 16.1861 [  $1/(52*x^2-16*x+1)$  ogf ]  
A161729 19.8197  $-8*(-2+13*x)/(52*x^2+1-16*x)$  lgdogf  
A161729 6.66486 [  $\{-a(n+2)+16*a(n+1)-52*a(n), a(0) = 1, a(1) = 16\}$ , ogf ]  
A161731 12.4428 [  $-(3*x-1)/(14*x^2-8*x+1)$  ogf ]  
A161731 13.3379  $-1/2*(-1-8*x+(1+4*x+8*x^2)^(1/2))/(3+14*x)$  revogf  
A161731 14.3639  $-(5-28*x+42*x^2)/(3*x-1)/(14*x^2-8*x+1)$  lgdogf  
A161731 6.89602 [  $\{a(n+2)-8*a(n+1)+14*a(n), a(0) = 1, a(1) = 5\}$ , ogf ]  
A161734 14.6002 [  $-(4*x-1)/(23*x^2-10*x+1)$  ogf ]  
A161734 15.6709  $-1/2*(-1-10*x+(1+4*x+8*x^2)^(1/2))/(4+23*x)$  revogf  
A161734 16.0440  $-2*(3-23*x+46*x^2)/(4*x-1)/(23*x^2-10*x+1)$  lgdogf  
A161734 8.16918 [  $\{a(n+2)-10*a(n+1)+23*a(n), a(0) = 1, a(1) = 6\}$ , ogf ]  
A161740 10.0551  $-(425+1341*x+915*x^2+119*x^3)/(x-1)/(17*x^3+108*x^2+125*x+30)$  lgdogf  
A161740 4.15265 [  $x*(17*x^3+108*x^2+125*x+30)/(x-1)^10$  ogf ]  
A161741 5.88228  $-(-14+3318*x+32445*x^2+80296*x^3+65676*x^4+17394*x^5+1085*x^6)/(x-1)/(155*x^6+2058*x^5+6154*x^4+5568*x^3+1431*x^2+38*x-4)$  lgdogf  
A161762 8.93905  $-(-1+14*x^2-16*x^3-16*x^4+6*x^5+3*x^6)/(x+1)/(x^2-3*x+1)/(x^2+x-1)/(x^2+2*x-1)$  lgdogf  
A161762 9.23183 [  $(x^2+2*x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf ]  
A161770 8.32475  $-(-11+20*x)/(10*x-1)/(x-1)$  lgdogf  
A161794 8.50073 [  $-(12*x^35+2*x^32+2*x^29+4*x^22+6*x^10+2*x^8+2*x^4+2*x^2+x+1)/(x-1)$  ogf ]  
A161797 21.9484  $x*(x-1)^3/(-1+2*x-3*x^2+x^3)$  revogf  
A161809 7.63754  $-3*(-1-x+3*x^11-12*x^17+5*x^18+5*x^19-3*x^2-6*x^8-x^9-x^10+27*x^20)/(x-1)/(x^2+x+1)/(5*x^18-x^9-1)$  lgdogf

A161816 5.67344 [ (4\*x^3-1)/(2\*x-1) ogf]  
A161816 6.30951 2\*(1+8\*x^3-6\*x^2)/(2\*x-1)/(4\*x^3-1) lgdogf  
A161826 10.2624 [ (x^10+x^8+x^5-3\*x^4-x^3-2\*x^2-x-1)/(x-1)/(x+1) ogf]  
A161826 8.70422 (1+6\*x+8\*x^11-4\*x^9-8\*x^7+3\*x^6-6\*x^5-6\*x^4+12\*x^3+4\*x^2)/(x-1)/(x+1)/(x^10+x^8+x^5-3\*x^4-x^3-2\*x^2-x-1) lgdogf  
A161852 11.7489 [ -(x-1)\*(x^2+6\*x+1)/(x^4-16\*x^2+1) ogf]  
A161870 29.5369 [-2/(-x^2+2\*x-1) ogf\_with\_Euler\_transform]  
A161872 7.55726 [ x\*(3\*x^28-3\*x^27+x^18-x^17+5\*x^16-5\*x^15+x^14-x^13-2\*x^2+2\*x-2)/(x-1) ogf]  
A161905 6.80431 [ -(26\*x^5-130\*x^4+169\*x^3-91\*x^2+22\*x-2)/(13\*x^6-91\*x^5+182\*x^4-156\*x^3+65\*x^2-13\*x+1) ogf]  
A161909 14.6239 [ -x^2/(2\*x+1)/(x-1)/(2\*x^2+2\*x+1) ogf]  
A161909 16.4968 -(-3-4\*x+16\*x^3+6\*x^2)/(x-1)/(2\*x+1)/(2\*x^2+2\*x+1) lgdogf  
A161935 13.9424 [ -x\*(25\*x+1)/(x-1)^3 ogf]  
A161935 27.0518 -2\*(14+25\*x)/(25\*x+1)/(x-1) lgdogf  
A161935 7.22016 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 28}, ogf]  
A161936 3.17808 [{(4\*n^2+20\*n+24)\*a(n+1)+(10\*n^2+66\*n+108)\*a(n+2)+(6\*n^2+43\*n+76)\*a(n+3)+(-9-3\*n)\*a(n+4), a(0) = 0, a(1) = 3, a(2) = 14, a(3) = 117}, ogf]  
A161937 4.29213 [{(-2\*n^2-14\*n-24)\*a(n+1)+(-2\*n^2-13\*n-20)\*a(n+2)+(n+3)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 15}, ogf]  
A161938 13.7716 [ -(4\*x-3)/(2\*x^2-4\*x+1) ogf]  
A161938 15.5643 -1/4\*(-3-4\*x+(9+8\*x+8\*x^2)^(1/2))/(x+2) revogf  
A161938 15.9739 -4\*(2-3\*x+2\*x^2)/(4\*x-3)/(2\*x^2-4\*x+1) lgdogf  
A161938 7.55756 [{a(n+2)-4\*a(n+1)+2\*a(n), a(0) = 3, a(1) = 8}, ogf]  
A161939 12.7611 [ -(10\*x-3)/(14\*x^2-8\*x+1) ogf]  
A161939 13.9903 -14\*(1-6\*x+10\*x^2)/(10\*x-3)/(14\*x^2-8\*x+1) lgdogf  
A161939 14.3315 -1/4\*(-3-8\*x+(9+8\*x+8\*x^2)^(1/2))/(5+7\*x) revogf  
A161939 7.14012 [{a(n+2)-8\*a(n+1)+14\*a(n), a(0) = 3, a(1) = 14}, ogf]  
A161940 12.1078 [ -(13\*x-3)/(23\*x^2-10\*x+1) ogf]  
A161940 12.9361 -(17-138\*x+299\*x^2)/(13\*x-3)/(23\*x^2-10\*x+1) lgdogf  
A161940 12.9361 -1/2\*(-3-10\*x+(9+8\*x+8\*x^2)^(1/2))/(13+23\*x) revogf  
A161940 6.83732 [{a(n+2)-10\*a(n+1)+23\*a(n), a(0) = 3, a(1) = 17}, ogf]  
A161941 14.5207 [ -(3\*x-2)/(2\*x^2-4\*x+1) ogf]  
A161941 17.7933 -(5-8\*x+6\*x^2)/(3\*x-2)/(2\*x^2-4\*x+1) lgdogf  
A161941 18.3016 -(-1-2\*x+(1+x+2\*x^2)^(1/2))/(3+2\*x) revogf  
A161941 7.96870 [{a(n+2)-4\*a(n+1)+2\*a(n), a(0) = 2, a(1) = 5}, ogf]  
A161944 12.9824 [ -(5\*x-2)/(7\*x^2-6\*x+1) ogf]  
A161944 15.0485 -7\*(1-4\*x+5\*x^2)/(5\*x-2)/(7\*x^2-6\*x+1) lgdogf  
A161944 16.3384 -(-1-3\*x+(1+x+2\*x^2)^(1/2))/(5+7\*x) revogf  
A161944 7.12448 [{a(n+2)-6\*a(n+1)+7\*a(n), a(0) = 2, a(1) = 7}, ogf]  
A161947 12.1104 [ -(9\*x-2)/(23\*x^2-10\*x+1) ogf]  
A161947 13.2668 -(11-92\*x+207\*x^2)/(9\*x-2)/(23\*x^2-10\*x+1) lgdogf  
A161947 15.4779 -(-1-5\*x+(1+x+2\*x^2)^(1/2))/(9+23\*x) revogf  
A161947 6.69634 [{a(n+2)-10\*a(n+1)+23\*a(n), a(0) = 2, a(1) = 11}, ogf]  
A161969 11.7984 [ -(-8\*x^3+8\*x^2-16\*x+8)/(x^4-1) ogf\_with\_Euler\_transform]  
A161999 7.31202 -(1+20\*x+1980\*x^5-297\*x^4-396\*x^3+20\*x^2)/(3\*x-1)/(3\*x+1)/(11\*x^2-1)/(10\*x^2-x-1) lgdogf  
A161999 9.40517 [ -x\*(10\*x^2-x-1)/(3\*x-1)/(3\*x+1)/(11\*x^2-1) ogf]  
A162008 4.69240 [ -8\*(135\*x^3+96\*x^2-37\*x-2)/(-1+25\*x)/(9\*x-1)^2/(x-1)^3 ogf]  
A162008 5.33486 -3\*(-43+475\*x+30375\*x^5+26865\*x^4-26194\*x^3+5386\*x^2)/(x-1)/(25\*x-1)/(9\*x-1)/(135\*x^3+96\*x^2-37\*x-2) lgdogf  
A162012 4.41879 [ -x\*(19\*x^4+492\*x^3+1218\*x^2+492\*x+19)/(x-1)^9 ogf]  
A162012 7.94512 -(663+6372\*x+95\*x^4+3028\*x^3+10002\*x^2)/(x-1)/(19\*x^4+492\*x^3+1218\*x^2+492\*x+19) lgdogf  
A162024 11.8188 [ -(x^3+x^2-x+7)/(x-1)^3 ogf]  
A162024 26.6729 -4\*(5+x^2)/(x-1)/(x^3+x^2-x+7) lgdogf  
A162024 6.04074 [{a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 7, a(1) = 20, a(2) = 40, a(3) = 68}, ogf]  
A162028 4.03354 [ -  
(22\*x^12-233\*x^11+1092\*x^10-2957\*x^9+4971\*x^8-4896\*x^7+1459\*x^6+3290\*x^5-5707\*x^

$4+4677x^3-2279x^2+639x-86)/(x-1)^{12}$  ogf]  
A162147 11.8263 [  $x*(2*x+3)/(x-1)^4$  ogf]  
A162147 31.5653  $-2*(7+3*x)/(2*x+3)/(x-1)$  lgdogf  
A162147 5.09079 [  $\{(6+3*n)*a(n+3)+(-15-n)*a(n+2)+(-6-2*n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 14\}$ , ogf]  
A162148 11.8834 [  $x*(x+4)/(x-1)^4$  ogf]  
A162148 36.2515  $-(17+3*x)/(x+4)/(x-1)$  lgdogf  
A162148 5.11538 [  $\{(8+4*n)*a(n+3)+(-20-3*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 17\}$ , ogf]  
A162155 4.58226 [  $(3*x^{10}-5*x^9+2*x^8-4*x^7+6*x^6-58*x^5+8*x^4-4*x^3-x^2-9*x-2)/(x+1)^2/(x-1)^3/(x^2+1)^3$  ogf]  
A162162 30.0326  $-x*(x-1)/(1+x^2+x^3)$  revogf  
A162180 11.8471  $-(-3+4*x+4*x^5+x^6-9*x^4+4*x^3+3*x^2)/(x-1)/(x+1)/(x^2+1)/(x^3+2*x^2-3*x+1)$  lgdogf  
A162207 13.3047  $2*(2+3*x+4*x^5+9*x^4+5*x^3+6*x^6+7*x^2)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A162207 15.5916 [  $[-x^5-2*x^3-x+4]$  ogf\_with\_Euler\_transform]  
A162207 7.50806 [  $(x^2+x+1)*(x^2-x+1)*(x^2+1)^2*(x+1)^4$  ogf]  
A162208 13.0723 [  $-x^7-x^5-x^4-x^3-x+5$  ogf\_with\_Euler\_transform]  
A162208 4.97747 [  $(x^2+x+1)*(x^2-x+1)*(x^4+x^3+x^2+x+1)*(x^4+1)*(x^2+1)^2*(x+1)^4$  ogf]  
A162209 14.7977 [  $-x^9-x^7-2*x^5-x^3-x+6$  ogf\_with\_Euler\_transform]  
A162209 4.40841 [  $(x^4+1)*(x^4+x^3+x^2+x+1)*(x^4-x^3+x^2-x+1)*(x^2+1)^2*(x^2+x+1)^2*(x^2-x+1)^2*(x+1)^6$  ogf]  
A162254 10.8314 [  $-(x+1)*(x-4)/(x-1)^4$  ogf]  
A162254 21.5504  $-(-19-7*x+2*x^2)/(x-1)/(x-4)/(x+1)$  lgdogf  
A162254 3.68161 [  $\{(-4*n-16)*a(n+4)+(22+n)*a(n+3)+(15+4*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 4, a(1) = 19, a(2) = 51, a(3) = 106\}$ , ogf]  
A162255 12.2058 [  $\{-a(n+2)+2*a(n), a(0) = 3, a(1) = 2\}$ , ogf]  
A162255 19.0530 [  $-(2*x+3)/(2*x^2-1)$  ogf]  
A162256 11.1736 [  $-(3*x^2-7*x-2)/(x-1)^4$  ogf]  
A162256 20.4384  $-3*(-5-5*x+2*x^2)/(x-1)/(3*x^2-7*x-2)$  lgdogf  
A162256 3.99469 [  $\{(-2*n-8)*a(n+4)-5*n*a(n+3)+(35+10*n)*a(n+2)+(-9-3*n)*a(n+1), a(0) = 2, a(1) = 15, a(2) = 45, a(3) = 98\}$ , ogf]  
A162257 10.9612 [  $-(7*x-1)*(x-2)/(x-1)^4$  ogf]  
A162257 20.4384  $-(-7-31*x+14*x^2)/(x-1)/(x-2)/(7*x-1)$  lgdogf  
A162257 3.77974 [  $\{(2*n+8)*a(n+4)+(-44-17*n)*a(n+3)+(75+22*n)*a(n+2)+(-21-7*n)*a(n+1), a(0) = -2, a(1) = 7, a(2) = 33, a(3) = 82\}$ , ogf]  
A162258 10.9612 [  $-(6*x^2-13*x+1)/(x-1)^4$  ogf]  
A162258 19.9005  $-3*(-3-9*x+4*x^2)/(x-1)/(6*x^2-13*x+1)$  lgdogf  
A162258 3.77974 [  $\{(n+4)*a(n+4)+(-33-14*n)*a(n+3)+(65+19*n)*a(n+2)+(-18-6*n)*a(n+1), a(0) = -1, a(1) = 9, a(2) = 36, a(3) = 86\}$ , ogf]  
A162259 10.8069 [  $-(10*x^2-21*x+5)/(x-1)^4$  ogf]  
A162259 19.3903  $-(-1-43*x+20*x^2)/(x-1)/(10*x^2-21*x+5)$  lgdogf  
A162259 3.72469 [  $\{(-5*n-20)*a(n+4)+(77+26*n)*a(n+3)+(-105-31*n)*a(n+2)+(30+10*n)*a(n+1), a(0) = -5, a(1) = 1, a(2) = 24, a(3) = 70\}$ , ogf]  
A162260 11.1945 [  $-(2*x+1)*(x-2)/(x-1)^4$  ogf]  
A162260 21.0436  $-(-11-5*x+4*x^2)/(x-1)/(x-2)/(2*x+1)$  lgdogf  
A162260 3.86212 [  $\{(-2*n-8)*a(n+4)+(8-n)*a(n+3)+(15+5*n)*a(n+2)+(-6-2*n)*a(n+1), a(0) = 2, a(1) = 11, a(2) = 30, a(3) = 62\}$ , ogf]  
A162261 11.6256 [  $-x*(5*x-11)/(x-1)^4$  ogf]  
A162261 28.0082  $-3*(-13+5*x)/(x-1)/(5*x-11)$  lgdogf  
A162261 4.91851 [  $\{(-22-11*n)*a(n+3)+(55+16*n)*a(n+2)+(-15-5*n)*a(n+1), a(0) = 0, a(1) = 11, a(2) = 39\}$ , ogf]  
A162262 10.9612 [  $-(8*x^2-17*x+3)/(x-1)^4$  ogf]  
A162262 19.9005  $-(-5-35*x+16*x^2)/(x-1)/(8*x^2-17*x+3)$  lgdogf  
A162262 3.76121 [  $\{(3*n+12)*a(n+4)+(-55-20*n)*a(n+3)+(85+25*n)*a(n+2)+(-24-8*n)*a(n+1), a(0) = -3, a(1) = 5, a(2) = 30, a(3) = 78\}$ , ogf]  
A162263 10.8314 [  $(4*x^2-7*x+9)/(x-1)^4$  ogf]  
A162263 20.3531  $-(29-13*x+8*x^2)/(x-1)/(4*x^2-7*x+9)$  lgdogf  
A162264 10.8314 [  $(2*x^2-3*x+7)/(x-1)^4$  ogf]



A162264 20.9346  $-(25-5*x+4*x^2)/(x-1)/(2*x^2-3*x+7)$  lgdogf  
A162265 11.1736  $[-(4*x^2-9*x-1)/(x-1)^4$  ogf]  
A162265 20.4384  $-(-13-19*x+8*x^2)/(x-1)/(4*x^2-9*x-1)$  lgdogf  
A162265 3.79791  $[ \{ (-n-4)*a(n+4)+(-11-8*n)*a(n+3)+(45+13*n)*a(n+2)+(-12-4*n)*a(n+1), a(0) = 1, a(1) = 13, a(2) = 42, a(3) = 94 \},$  ogf]  
A162266 10.6295  $[ (9*x^2-17*x+14)/(x-1)^4$  ogf]  
A162266 18.5010  $-3*(13-11*x+6*x^2)/(x-1)/(9*x^2-17*x+14)$  lgdogf  
A162267 10.8314  $[ (x^2-x+6)/(x-1)^4$  ogf]  
A162267 25.2659  $-(-23-x+2*x^2)/(x-1)/(x^2-x+6)$  lgdogf  
A162267 3.69983  $[ \{ (-6*n-24)*a(n+4)+(44+7*n)*a(n+3)+(-5-2*n)*a(n+2)+(n+3)*a(n+1), a(0) = 6, a(1) = 23, a(2) = 57, a(3) = 114 \},$  ogf]  
A162268 15.1060  $[ (3*x-5)/(x^2+2*x-1)$  ogf]  
A162268 16.6610  $1/2/(-3+x)*(-5-2*x+(25+8*x+8*x^2)^{(1/2)})$  revogf  
A162268 18.5122  $-(-7-10*x+3*x^2)/(3*x-5)/(x^2+2*x-1)$  lgdogf  
A162268 8.28987  $[ -a(n+2)+2*a(n+1)+a(n), a(0) = 5, a(1) = 7 \},$  ogf]  
A162269 14.0540  $[ -(8*x-5)/(2*x^2-4*x+1)$  ogf]  
A162269 15.4930  $-1/4*(-5-4*x+(25+8*x+8*x^2)^{(1/2)})/(4+x)$  revogf  
A162269 16.3084  $-4*(3-5*x+4*x^2)/(8*x-5)/(2*x^2-4*x+1)$  lgdogf  
A162269 7.61966  $[ \{ a(n+2)-4*a(n+1)+2*a(n), a(0) = 5, a(1) = 12 \},$  ogf]  
A162270 13.2377  $[ -(13*x-5)/(7*x^2-6*x+1)$  ogf]  
A162270 13.8737  $-1/2*(-5-6*x+(25+8*x+8*x^2)^{(1/2)})/(13+7*x)$  revogf  
A162270 14.9143  $-(-17-70*x+91*x^2)/(13*x-5)/(7*x^2-6*x+1)$  lgdogf  
A162270 7.33657  $[ \{ a(n+2)-6*a(n+1)+7*a(n), a(0) = 5, a(1) = 17 \},$  ogf]  
A162271 11.6642  $[ -(18*x-5)/(14*x^2-8*x+1)$  ogf]  
A162271 12.1872  $-2*(11-70*x+126*x^2)/(18*x-5)/(14*x^2-8*x+1)$  lgdogf  
A162271 12.7675  $-1/4*(-5-8*x+(25+8*x+8*x^2)^{(1/2)})/(9+7*x)$  revogf  
A162271 6.52642  $[ \{ a(n+2)-8*a(n+1)+14*a(n), a(0) = 5, a(1) = 22 \},$  ogf]  
A162272 12.3016  $[ -(2*x-1)/(22*x^2-10*x+1)$  ogf]  
A162272 12.5821  $-1/4*(-1-10*x+(1+12*x+12*x^2)^{(1/2)})/(1+11*x)$  revogf  
A162272 13.4808  $-4*(2-11*x+11*x^2)/(2*x-1)/(22*x^2-10*x+1)$  lgdogf  
A162272 6.88305  $[ -a(n+2)+10*a(n+1)-22*a(n), a(0) = 1, a(1) = 8 \},$  ogf]  
A162273 13.6006  $[ -(3*x-2)/(6*x^2-6*x+1)$  ogf]  
A162273 14.6259  $-1/3*(-1-3*x+(1+3*x+3*x^2)^{(1/2)})/(2*x+1)$  revogf  
A162273 15.7806  $-3*(3-8*x+6*x^2)/(3*x-2)/(6*x^2-6*x+1)$  lgdogf  
A162273 7.46373  $[ \{ a(n+2)-6*a(n+1)+6*a(n), a(0) = 2, a(1) = 9 \},$  ogf]  
A162274 11.9178  $[ -(5*x-2)/(13*x^2-8*x+1)$  ogf]  
A162274 13.4059  $-(-11-52*x+65*x^2)/(5*x-2)/(13*x^2-8*x+1)$  lgdogf  
A162274 14.1115  $-(-1-4*x+(1+3*x+3*x^2)^{(1/2)})/(5+13*x)$  revogf  
A162274 6.52642  $[ \{ a(n+2)-8*a(n+1)+13*a(n), a(0) = 2, a(1) = 11 \},$  ogf]  
A162275 15.3894  $[ -(7*x-2)/(22*x^2-10*x+1)$  ogf]  
A162275 16.9271  $-(-13-88*x+154*x^2)/(7*x-2)/(22*x^2-10*x+1)$  lgdogf  
A162275 18.7089  $-(-1-5*x+(1+3*x+3*x^2)^{(1/2)})/(7+22*x)$  revogf  
A162275 8.50945  $[ \{ a(n+2)-10*a(n+1)+22*a(n), a(0) = 2, a(1) = 13 \},$  ogf]  
A162285 17.3911  $[ (x+1)*(x-1)^2/(x^4+1)$  ogf]  
A162285 28.2485  $-(-1-3*x+x^5-x^4-4*x^3)/(x-1)/(x+1)/(1+x^4)$  lgdogf  
A162285 29.9774  $[x^7-x^3-x-1$  ogf\_with\_Euler\_transform]  
A162316 14.5133  $-2*(-13-9*x+7*x^2)/(x-1)/(14*x^2-23*x-1)$  lgdogf  
A162316 5.21811  $[ \{ a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 26, a(2) = 61 \},$  ogf]  
A162316 9.44229  $[ (14*x^2-23*x-1)/(x-1)^3$  ogf]  
A162326 26.0163  $x*(-1+2*x)/(2*x+1)/(x-1)$  revogf  
A162326 5.17686  $[ \{ 9*a(n)*n+(-10*n-6)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 1 \},$  ogf]  
A162326 6.64245  $-1/2*(x-1+2*(9*x-1)^{(1/2)}*(x-1)^{(1/2)}*x-(9*x-1)^{(1/2)}*(x-1)^{(1/2)})/(9*x-1)^{(1/2)}/(x-1)^{(3/2)}/x$  lgdogf  
A162330 11.6266  $[ -(x^4-x^3-x^2+x-2)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A162330 12.5433  $-(-x^2-2*x-1)*(x^5+x^4+4*x^2+x+1)/(x-1)/(x+1)/(x^2+1)/(x^4-x^3-x^2+x-2)$  lgdogf  
A162356 12.7076  $[ -(7*x-2)/(14*x^2-8*x+1)$  ogf]  
A162356 14.6761  $-(-9-56*x+98*x^2)/(7*x-2)/(14*x^2-8*x+1)$  lgdogf  
A162356 14.6761  $-1/7*(-1-4*x+(1+x+2*x^2)^{(1/2)})/(2*x+1)$  revogf

A162356 7.04275 [ $\{a(n+2)-8a(n+1)+14a(n), a(0) = 2, a(1) = 9\}$ , ogf]  
A162395 15.5005 [ $-(x-1)/(x+1)^3$  ogf]  
A162395 38.9182 [ $[-4+3x]$  ogf\_with\_Euler\_transform]  
A162395 43.0322  $-2^{*}(-2+x)/(x-1)/(x+1)$  lgdogf  
A162395 7.33504 [ $\{a(n+3)+3a(n+2)+3a(n+1)+a(n), a(0) = 1, a(1) = -4, a(2) = 9\}$ , ogf]  
A162396 12.0111 [ $\{-a(n+2)+2a(n), a(0) = 5, a(1) = 2\}$ , ogf]  
A162396 18.7490 [ $-(2*x+5)/(2*x^2-1)$  ogf]  
A162396 21.5387  $-2^{*}(1+10*x+2*x^2)/(2*x+5)/(2*x^2-1)$  lgdogf  
A162396 21.5387  $1/4^{*}(-5+(25+8*x+8*x^2)^{(1/2)})/(1+x)$  revogf  
A162397 25.2133 [ $2*x^2-x-2$  ogf\_with\_Euler\_transform]  
A162397 27.7134  $-2^{*}(-1-3*x+x^3)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A162397 9.73288 [ $-(x-1)*(x+1)/(x^2+x+1)^2$  ogf]  
A162436 12.4690 [ $\{a(n+2)-3a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A162436 19.4637 [ $-(3*x+1)/(3*x^2-1)$  ogf]  
A162436 21.7658  $1/6^{*}(-1+(1+12*x+12*x^2)^{(1/2)})/(1+x)$  revogf  
A162436 23.0462  $-3^{*}(1+2*x+3*x^2)/(3*x+1)/(3*x^2-1)$  lgdogf  
A162458 10.7853 [ $(x^{38}+x^{11}+x^8+x^6+2*x^4+2*x^3+3*x^2+27*x-39)/(x-1)$  ogf]  
A162460 8.64285  $-2^{*}(1+x+13*x^3+x^7-2*x^6-7*x^5+13*x^4-14*x^2)/(x+1)/(x^2-3*x+1)/(x^2+x-1)/(x^3-x^2-4*x+2)$  lgdogf  
A162460 8.75861 [ $-x*(x^3-x^2-4*x+2)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A162466 14.6039 [ $-(8*x+1)/(12*x^2-1)$  ogf]  
A162466 15.8066  $1/8^{*}(-1+(48*x^2+32*x+1)^{(1/2)})/(2+3*x)$  revogf  
A162466 16.6848  $-8^{*}(1+3*x+12*x^2)/(8*x+1)/(12*x^2-1)$  lgdogf  
A162466 9.43637 [ $\{a(n+2)-12a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A162477 15.9185  $-1/2^{*}(-1-2*x+(1+4*x+4*x^3)^{(1/2)})/x$  revogf  
A162478 14.8420  $-2^{*}(1+3*x)/(x-1)/(x^4-4*x^3+6*x^2-8*x+1)$  lgdogf  
A162479 11.1069  $-(3-2*x-4*x^3+x^4+6*x^2)/(x-1)/(x^4-4*x^3+6*x^2-8*x+1)$  lgdogf  
A162480 14.3527  $-2^{*}(x-2)*(x^2-x+1)/(x^4-4*x^3+6*x^2-8*x+1)$  lgdogf  
A162483 12.2548 [ $-(x^2-6*x+3)/(x-1)/(x^2-3*x+1)$  ogf]  
A162483 12.8784  $-(6-22*x-12*x^3+x^4+29*x^2)/(x-1)/(x^2-3*x+1)/(x^2-6*x+3)$  lgdogf  
A162483 6.61541 [ $\{a(n+3)-4a(n+2)+4a(n+1)-a(n), a(0) = 3, a(1) = 6, a(2) = 13\}$ , ogf]  
A162484 7.18453  $-2^{*}(2-x-2*x^3+x^6+3*x^5+2*x^4-x^2)/(x-1)/(x+1)/(x^2+2*x-1)/(2*x^3+3*x^2-2*x-1)$  lgdogf  
A162484 9.98274 [ $-2^{*}(2*x^3+3*x^2-2*x-1)/(x-1)/(x+1)/(x^2+2*x-1)$  ogf]  
A162485 6.89760 [ $-2^{*}(x^3+2*x^2+x-2)/(x-1)/(x+1)/(x^2+2*x-1)$  ogf]  
A162485 7.29915  $-(3+4*x+x^6+4*x^5+9*x^4-13*x^2)/(x-1)/(x+1)/(x^2+2*x-1)/(x^3+2*x^2+x-2)$  lgdogf  
A162495 6.66045 [ $(-3/x^{13}+1/x^{12}+3/x^9-1)/(x^2+1)*x^{13}/(x+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A162495 6.66045 [ $(3/x^9-3/x^{13}+1/x^{12}-1)/(x+1)/(x-1)/(x^2+1)*x^{13}$  ogf\_with\_Euler\_transform]  
A162496 15.5049 [ $-x^{11}-x^7-x^5-x+4$  ogf\_with\_Euler\_transform]  
A162496 5.57865 [ $(x^4+1)*(x^4-x^2+1)*(x^2+1)^2*(x^2+x+1)^2*(x^2-x+1)^2*(x+1)^4$  ogf]  
A162500 6.94982 [ $(x+1)*(x^2-x+1)*(x^6+x^3+1)*(x^2+x+1)^3$  ogf]  
A162500 7.46154 [ $(1/x^9-3/x^{11}+3/x^8-1)*x^{11}/(x-1)/(x^2+x+1)$  ogf\_with\_Euler\_transform]  
A162500 7.46154 [ $(3/x^8-3/x^{11}+1/x^9-1)*x^{11}/(x-1)/(x^2+x+1)$  ogf\_with\_Euler\_transform]  
A162500 9.45647  $3^{*}(1+2*x+5*x^{10}+4*x^3+4*x^9+3*x^8+8*x^7+6*x^6+4*x^5+6*x^4+2*x^2)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^3+1)$  lgdogf  
A162505 5.42228 [ $(x^2+1)*(x^4-x^2+1)*(x^6+x^3+1)*(x+1)^2*(x^2-x+1)^2*(x^2+x+1)^4$  ogf]  
A162505 8.34664 [ $(-4/x^{14}+4/x^{11}+1/x^{12}-1)*x^{14}/(x^2+x+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A162505 8.34664 [ $(4/x^{11}-4/x^{14}+1/x^{12}-1)/(x-1)/(x^2+x+1)*x^{14}$  ogf\_with\_Euler\_transform]  
A162520 7.03948 [ $-(9*x^{19}-x^{17}-x^{15}-x^{13}-x^{11}-x^9-x^7-x^5-x^3-x-1)/(x^2+x+1)/$

$(x^2-x+1)/(x^6+x^3+1)/(x^6-x^3+1)/(x-1)^2/(x+1)^2$  ogf]  
A162533 11.9998  $-(-1+2*x-8*x^3+4*x^4)/(x-1)/(2*x^2+2*x-1)/(2*x^2-2*x+1)$  lgdogf  
A162540 10.3331  $[(x^3-5*x^2+15*x+5)/(x-1)^4$  ogf]  
A162540 17.5851  $-(35+35*x+x^3-7*x^2)/(x-1)/(x^3-5*x^2+15*x+5)$  lgdogf  
A162540 7.67603  $[{(-2*n-9)*a(n+1)+(2*n+3)*a(n+2), a(0) = 5, a(1) = 35},$  ogf]  
A162551 10.8703  $1/8*((x^2+12*x+4)^(1/2)*x+2*(x^2+12*x+4)^(1/2)-4-8*x+x^2)/x^2$  revogf  
A162551 5.55988  $[{(-4*n^2-14*n-12)*a(n+1)+(n^2+4*n+3)*a(n+2), a(0) = 0, a(1) = 2},$  ogf]  
A162557 13.3109  $-1/2*(-1-8*x+(1+4*x+12*x^2)^(1/2))/(3+13*x)$  revogf  
A162557 14.3092  $-(5-26*x+39*x^2)/(-1+3*x)/(13*x^2-8*x+1)$  lgdogf  
A162557 16.9957  $[-(3*x-1)/(13*x^2-8*x+1)$  ogf]  
A162557 9.41928  $[{a(n+2)-8*a(n+1)+13*a(n), a(0) = 1, a(1) = 5},$  ogf]  
A162558 12.0467  $[-(4*x-1)/(22*x^2-10*x+1)$  ogf]  
A162558 12.5957  $-1/4*(-1-10*x+(1+4*x+12*x^2)^(1/2))/(2+11*x)$  revogf  
A162558 12.8886  $-2*(3-22*x+44*x^2)/(-1+4*x)/(22*x^2-10*x+1)$  lgdogf  
A162558 6.74039  $[{a(n+2)-10*a(n+1)+22*a(n), a(0) = 1, a(1) = 6},$  ogf]  
A162559 17.7344  $[(x-4)/(2*x^2+2*x-1)$  ogf]  
A162559 21.7939  $-(-7-16*x+2*x^2)/(x-4)/(2*x^2+2*x-1)$  lgdogf  
A162559 22.4166  $(-2-x+(4+3*x+3*x^2)^(1/2))/(-1+2*x)$  revogf  
A162559 9.73232  $[{-a(n+2)+2*a(n+1)+2*a(n), a(0) = 4, a(1) = 7},$  ogf]  
A162560 13.0361  $[-(10*x-3)/(6*x^2-6*x+1)$  ogf]  
A162560 13.9833  $-1/4*(-3-6*x+(9-4*x+12*x^2)^(1/2))/(5+3*x)$  revogf  
A162560 14.6824  $-4*(2-9*x+15*x^2)/(10*x-3)/(6*x^2-6*x+1)$  lgdogf  
A162560 7.31295  $[{a(n+2)-6*a(n+1)+6*a(n), a(0) = 3, a(1) = 8},$  ogf]  
A162561 12.4822  $[-(17*x-4)/(22*x^2-10*x+1)$  ogf]  
A162561 13.3446  $-(23-176*x+374*x^2)/(17*x-4)/(22*x^2-10*x+1)$  lgdogf  
A162561 15.0555  $-(-2-5*x+(4+3*x+3*x^2)^(1/2))/(17+22*x)$  revogf  
A162561 7.04878  $[{a(n+2)-10*a(n+1)+22*a(n), a(0) = 4, a(1) = 23},$  ogf]  
A162562 14.3356  $[(2*x-5)/(2*x^2+2*x-1)$  ogf]  
A162562 15.4164  $1/4*(-5-2*x+(25+12*x+12*x^2)^(1/2))/(x-1)$  revogf  
A162562 17.0830  $-4*(-2-5*x+x^2)/(2*x-5)/(2*x^2+2*x-1)$  lgdogf  
A162562 7.86712  $[{-a(n+2)+2*a(n+1)+2*a(n), a(0) = 5, a(1) = 8},$  ogf]  
A162563 14.7603  $[-(7*x-5)/(x^2-4*x+1)$  ogf]  
A162563 15.5119  $-1/2*(-5-4*x+(25+12*x+12*x^2)^(1/2))/(7+x)$  revogf  
A162563 18.0972  $-(13-10*x+7*x^2)/(7*x-5)/(x^2-4*x+1)$  lgdogf  
A162563 8.00255  $[{a(n+2)-4*a(n+1)+a(n), a(0) = 5, a(1) = 13},$  ogf]  
A162580 15.1763  $[8128*x^15+124*x^7+7*x^3+x+2$  ogf\_with\_Euler\_transform]  
A162581 16.9403  $[24*x^15+12*x^7+6*x^3+3*x+2$  ogf\_with\_Euler\_transform]  
A162596 3.87248  $[-(x^15+x^12+x^9-2*x^6-x^3+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^9$  ogf]  
A162607 10.5623  $[x*(5*x^2-3*x+1)/(x-1)^4$  ogf]  
A162607 23.0231  $-(1+x+10*x^2)/(x-1)/(5*x^2-3*x+1)$  lgdogf  
A162607 3.93391  $[{(n+3)*a(n+4)+(-9-4*n)*a(n+3)+(7+8*n)*a(n+2)+(-10-5*n)*a(n+1),$  ogf]  
 $a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 3},$  ogf]  
A162626 10.5344  $(-4-50*x^3+6*x^6-29*x^5+55*x^4+18*x^2)/(x-1)/(3*x^6-11*x^5+14*x^4-6*x^3+1)$  lgdogf  
A162626 8.59670  $[2*x*(3*x^6-11*x^5+14*x^4-6*x^3+1)/(x-1)^4$  ogf]  
A162666 11.5615  $[-(10*x-1)/(98*x^2-20*x+1)$  ogf]  
A162666 12.3498  $-2*(5-98*x+490*x^2)/(10*x-1)/(98*x^2-20*x+1)$  lgdogf  
A162666 6.52884  $[{a(n+2)-20*a(n+1)+98*a(n), a(0) = 1, a(1) = 10},$  ogf]  
A162667 11.5615  $[-(10*x-1)/(97*x^2-20*x+1)$  ogf]  
A162667 12.3498  $-2*(5-97*x+485*x^2)/(10*x-1)/(97*x^2-20*x+1)$  lgdogf  
A162667 6.52884  $[{a(n+2)-20*a(n+1)+97*a(n), a(0) = 1, a(1) = 10},$  ogf]  
A162668 11.8882  $[-8*x/(x-1)^5$  ogf]  
A162668 57.1591  $[[5]$  ogf\_with\_Euler\_transform]  
A162668 7.27142  $[{(n+1)*a(n+2)+(-5-n)*a(n+1), a(0) = 0, a(1) = 8},$  ogf]  
A162668 92.2756  $-5/(x-1)$  lgdogf  
A162669 47.7880  $[[7]$  ogf\_with\_Euler\_transform]  
A162669 5.98870  $[{(n+1)*a(n+2)+(-7-n)*a(n+1), a(0) = 0, a(1) = 144},$  ogf]  
A162669 7.57606  $[-144*x/(x-1)^7$  ogf]

A162669 77.3799  $-7/(x-1)$  lgdogf  
A162670 18.3905  $1/200/x*(-1-x+(1+2*x+401*x^2)^{(1/2)})$  revogf  
A162670 19.2583  $[-1/(100*x^2+x-1)]$  ogf  
A162670 27.5857  $-(1+200*x)/(100*x^2-1+x)$  lgdogf  
A162670 8.02427  $[{-a(n+2)+a(n+1)+100*a(n), a(0) = 1, a(1) = 1}]$ , ogf  
A162671 7.18578  $-(1+202*x-4*x^3-3*x^4+2*x^5+102*x^2)/(x^2+10*x-1)/(x^2-10*x-1)/(x^2-x-1)$  lgdogf  
A162671 8.96505  $[-(x^2-x-1)/(x^2+10*x-1)/(x^2-10*x-1)]$  ogf  
A162672 10.7987  $[-x*(90*x^{10}-90*x^9+10*x-11)/(x-1)^2]$  ogf  
A162672 11.6140  $2*(6-5*x-765*x^9+405*x^8+360*x^{10})/(x-1)/(90*x^{10}-90*x^9+10*x-11)$  lgdogf  
A162673 22.1199  $-3*(4+10*x+x^2)/(x-1)/(x^2+7*x+1)$  lgdogf  
A162673 3.87715  $[{(n+3)*a(n+4)+6*n*a(n+3)+(-36-6*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 48, a(3) = 204}]$ , ogf  
A162673 8.81590  $[-4*x*(x^2+7*x+1)/(x-1)^5]$  ogf  
A162674 5.47491  $[-x*(x^4+90*x^3+298*x^2+90*x+1)/(x-1)^7]$  ogf  
A162674 9.45763  $-(97+1136*x+364*x^3+3*x^4+1760*x^2)/(x-1)/(x^4+90*x^3+298*x^2+90*x+1)$  lgdogf  
A162675 4.27179  $[-6*x^2*(19*x^4+314*x^3+734*x^2+314*x+19)/(x-1)^9]$  ogf  
A162675 8.46104  $-5*(97+796*x+392*x^3+19*x^4+1216*x^2)/(x-1)/(19*x^4+314*x^3+734*x^2+314*x+19)$  lgdogf  
A162698 5.67875  $[(x^9+4*x^8-3*x^7+7*x^6-5*x^5+8*x^4-5*x^3+7*x^2-3*x+4)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2]$  ogf  
A162699 9.48046  $[(x^2+1)*(x^4+2*x^3+x^2+2*x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2]$  ogf  
A162723 5.25332  $[{-a(n+3)+9*a(n+2)-26*a(n+1)+24*a(n), a(0) = 1, a(1) = 1, a(2) = 2}]$ , ogf  
A162723 7.92347  $-(1-14*x-384*x^3+456*x^4+109*x^2)/(-1+3*x)/(2*x-1)/(-1+4*x)/(19*x^2-8*x+1)$  lgdogf  
A162723 9.35748  $[-(19*x^2-8*x+1)/(3*x-1)/(2*x-1)/(4*x-1)]$  ogf  
A162725 10.4614  $[-(13*x^2-7*x+1)/(x-1)/(3*x-1)/(4*x-1)]$  ogf  
A162725 5.87304  $[{a(n+3)-8*a(n+2)+19*a(n+1)-12*a(n), a(0) = 1, a(1) = 1, a(2) = 2}]$ , ogf  
A162725 9.38074  $-(2*x-1)*(78*x^3-45*x^2+10*x-1)/(x-1)/(-1+3*x)/(-1+4*x)/(13*x^2-7*x+1)$  lgdogf  
A162729 12.8486  $[10*x/(-1+25*x)/(5*x-1)]$  ogf  
A162729 14.4021  $-1/25*(-1-3*x+(1+6*x+4*x^2)^{(1/2)})/x$  revogf  
A162729 17.2825  $-10*(-3+25*x)/(25*x-1)/(5*x-1)$  lgdogf  
A162729 6.19755  $[{a(n+2)-30*a(n+1)+125*a(n), a(0) = 0, a(1) = 10}]$ , ogf  
A162740 11.4964  $[(x^2+x+1)*(x+1)/(x-1)/(3*x^2+x-1)]$  ogf  
A162740 5.91979  $[{-a(n+4)+2*a(n+3)+2*a(n+2)-3*a(n+1), a(0) = 1, a(1) = 4, a(2) = 12, a(3) = 30}]$ , ogf  
A162743 4.29564  $[{-a(n+4)+4*a(n+3)+4*a(n+2)-10*a(n+1), a(0) = 1, a(1) = 6, a(2) = 30, a(3) = 135}]$ , ogf  
A162743 8.34581  $[(x^2+x+1)*(x+1)/(10*x^3-4*x^2-4*x+1)]$  ogf  
A162744 4.29815  $[{-a(n+4)+5*a(n+3)+5*a(n+2)-15*a(n+1), a(0) = 1, a(1) = 7, a(2) = 42, a(3) = 231}]$ , ogf  
A162744 8.35069  $[(x^2+x+1)*(x+1)/(15*x^3-5*x^2-5*x+1)]$  ogf  
A162746 8.00447  $[-(2*x-1)^3/(11*x^4-28*x^3+23*x^2-8*x+1)]$  ogf  
A162746 9.34308  $-2*(1-7*x-22*x^3+11*x^4+19*x^2)/(2*x-1)/(11*x^4-28*x^3+23*x^2-8*x+1)$  lgdogf  
A162748 3.82364  $[{(-2*n-4)*a(n+1)+(n-4)*a(n+2)-2*a(n+4)+8*a(n+3), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 14}]$ , ogf  
A162754 4.16318  $[{-a(n+4)+6*a(n+3)+6*a(n+2)-21*a(n+1), a(0) = 1, a(1) = 8, a(2) = 56, a(3) = 364}]$ , ogf  
A162754 8.08847  $[(x^2+x+1)*(x+1)/(21*x^3-6*x^2-6*x+1)]$  ogf  
A162755 4.40549  $[{-a(n+4)+7*a(n+3)+7*a(n+2)-28*a(n+1), a(0) = 1, a(1) = 9, a(2) = 72, a(3) = 540}]$ , ogf  
A162755 8.55923  $[(x^2+x+1)*(x+1)/(28*x^3-7*x^2-7*x+1)]$  ogf  
A162756 4.61386  $[{-a(n+4)+8*a(n+3)+8*a(n+2)-36*a(n+1), a(0) = 1, a(1) = 10, a(2) = 90, a(3) = 765}]$ , ogf

A162756 9.02999 [  $(x^2+x+1)*(x+1)/(36*x^3-8*x^2-8*x+1)$  ogf]  
A162757 12.7478 [  $-(5*x-1)/(33*x^2-12*x+1)$  ogf]  
A162757 13.3446  $-1/2*(-1-12*x+(1+4*x+12*x^2)^{1/2})/(5+33*x)$  revogf  
A162757 14.3211  $-(7-66*x+165*x^2)/(5*x-1)/(33*x^2-12*x+1)$  lgdogf  
A162757 7.13269 [  $\{a(n+2)-12*a(n+1)+33*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A162758 13.3852 [  $-(6*x-1)/(46*x^2-14*x+1)$  ogf]  
A162758 14.0255  $-1/4*(-1-14*x+(1+4*x+12*x^2)^{1/2})/(3+23*x)$  revogf  
A162758 14.6933  $-4*(2-23*x+69*x^2)/(6*x-1)/(46*x^2-14*x+1)$  lgdogf  
A162758 7.48932 [  $\{a(n+2)-14*a(n+1)+46*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A162759 12.1536 [  $-(7*x-1)/(61*x^2-16*x+1)$  ogf]  
A162759 12.7146  $-1/2*(-16*x-1+(1+4*x+12*x^2)^{1/2})/(7+61*x)$  revogf  
A162759 13.3201  $-(9-122*x+427*x^2)/(7*x-1)/(61*x^2-16*x+1)$  lgdogf  
A162759 6.80025 [  $\{a(n+2)-16*a(n+1)+61*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A162760 4.17306 [  $\{-a(n+4)+9*a(n+3)+9*a(n+2)-45*a(n+1), a(0) = 1, a(1) = 11, a(2) = 110, a(3) = 1045\}$ , ogf]  
A162760 8.28650 [  $(x^2+x+1)*(x+1)/(45*x^3-9*x^2-9*x+1)$  ogf]  
A162761 6.02506 [  $x*(x^3-x^2-2)/(x+1)/(x-1)^3$  ogf]  
A162761 9.07694  $-(-4-10*x+x^4+x^2)/(x-1)/(x+1)/(x^3-x^2-2)$  lgdogf  
A162763 2.29928 [  $2+2*x^5-x^6+1/2*x^7-1/2*x^8$  ogf\_with\_Euler\_transform]  
A162766 11.0750 [  $\{-a(n+2)+3*a(n), a(0) = 4, a(1) = 3\}$ , ogf]  
A162766 17.2878 [  $-(3*x+4)/(3*x^2-1)$  ogf]  
A162766 20.4321  $-3*(1+8*x+3*x^2)/(3*x+4)/(3*x^2-1)$  lgdogf  
A162766 20.4321  $1/3*(-2+(4+3*x+3*x^2)^{1/2})/(1+x)$  revogf  
A162767 3.93582 [  $\{-a(n+4)+10*a(n+3)+10*a(n+2)-55*a(n+1), a(0) = 1, a(1) = 12, a(2) = 132, a(3) = 1386\}$ , ogf]  
A162767 7.70765 [  $(x^2+2x+1)*(x+1)/(55*x^3-10*x^2-10*x+1)$  ogf]  
A162768 3.97682 [  $\{-a(n+4)+11*a(n+3)+11*a(n+2)-66*a(n+1), a(0) = 1, a(1) = 13, a(2) = 156, a(3) = 1794\}$ , ogf]  
A162768 7.78794 [  $(x^2+x+1)*(x+1)/(66*x^3-11*x^2-11*x+1)$  ogf]  
A162769 12.1783 [  $(x+1)/(11*x^2-8*x+1)$  ogf]  
A162769 12.1826  $-1/2*(-1-8*x+(1+20*x+20*x^2)^{1/2})/(-1+11*x)$  revogf  
A162769 14.4268  $-(-9+22*x+11*x^2)/(x+1)/(11*x^2-8*x+1)$  lgdogf  
A162769 6.74942 [  $\{-a(n+2)+8*a(n+1)-11*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A162770 14.3061 [  $-(3*x+2)/(4*x^2+2*x-1)$  ogf]  
A162770 16.6026  $-(7+16*x+12*x^2)/(3*x+2)/(4*x^2+2*x-1)$  lgdogf  
A162770 18.5559  $-(-1-x+(1+5*x+5*x^2)^{1/2})/(3+4*x)$  revogf  
A162770 7.85093 [  $\{a(n+2)-2*a(n+1)-4*a(n), a(0) = 2, a(1) = 7\}$ , ogf]  
A162771 12.9900 [  $-(x-2)/(4*x^2-6*x+1)$  ogf]  
A162771 15.4695  $-(-1-3*x+(1+5*x+5*x^2)^{1/2})/(1+4*x)$  revogf  
A162771 15.8992  $-(-11-16*x+4*x^2)/(x-2)/(4*x^2-6*x+1)$  lgdogf  
A162771 7.04275 [  $\{-a(n+2)+6*a(n+1)-4*a(n), a(0) = 2, a(1) = 11\}$ , ogf]  
A162772 12.4388 [  $-(3*x-2)/(11*x^2-8*x+1)$  ogf]  
A162772 14.0050  $-(-13-44*x+33*x^2)/(3*x-2)/(11*x^2-8*x+1)$  lgdogf  
A162772 14.7421  $-(-1-4*x+(1+5*x+5*x^2)^{1/2})/(3+11*x)$  revogf  
A162772 6.81171 [  $\{-a(n+2)+8*a(n+1)-11*a(n), a(0) = 2, a(1) = 13\}$ , ogf]  
A162773 12.9390 [  $-(5*x-2)/(20*x^2-10*x+1)$  ogf]  
A162773 13.8640  $-5*(10*x-3)*(2*x-1)/(5*x-2)/(20*x^2-10*x+1)$  lgdogf  
A162773 14.5403  $-1/5*(-1-5*x+(1+5*x+5*x^2)^{1/2})/(1+4*x)$  revogf  
A162773 7.15451 [  $\{-a(n+2)+10*a(n+1)-20*a(n), a(0) = 2, a(1) = 15\}$ , ogf]  
A162783 3.61687 [  $\{-a(n+4)+12*a(n+3)+12*a(n+2)-78*a(n+1), a(0) = 1, a(1) = 14, a(2) = 182, a(3) = 2275\}$ , ogf]  
A162783 7.08303 [  $(x^2+x+1)*(x+1)/(78*x^3-12*x^2-12*x+1)$  ogf]  
A162785 3.69724 [  $\{-a(n+4)+13*a(n+3)+13*a(n+2)-91*a(n+1), a(0) = 1, a(1) = 15, a(2) = 210, a(3) = 2835\}$ , ogf]  
A162785 7.24043 [  $(x^2+x+1)*(x+1)/(91*x^3-13*x^2-13*x+1)$  ogf]  
A162791 3.75101 [  $\{-a(n+4)+14*a(n+3)+14*a(n+2)-105*a(n+1), a(0) = 1, a(1) = 16, a(2) = 240, a(3) = 3480\}$ , ogf]  
A162791 7.29648 [  $(x^2+x+1)*(x+1)/(105*x^3-14*x^2-14*x+1)$  ogf]  
A162803 3.83082 [  $\{-a(n+4)+15*a(n+3)+15*a(n+2)-120*a(n+1), a(0) = 1, a(1) = 17, a(2) = 272, a(3) = 4216\}$ , ogf]  
A162803 7.45173 [  $(x^2+x+1)*(x+1)/(120*x^3-15*x^2-15*x+1)$  ogf]

A162804 3.91063 [  $\{-a(n+4)+16*a(n+3)+16*a(n+2)-136*a(n+1), a(0) = 1, a(1) = 18, a(2) = 306, a(3) = 5049\}$ , ogf]  
A162804 7.60697 [  $(x^2+x+1)*(x+1)/(136*x^3-16*x^2-16*x+1)$  ogf]  
A162805 3.45597 [  $\{-a(n+4)+17*a(n+3)+17*a(n+2)-153*a(n+1), a(0) = 1, a(1) = 19, a(2) = 342, a(3) = 5985\}$ , ogf]  
A162805 6.72258 [  $(x^2+x+1)*(x+1)/(153*x^3-17*x^2-17*x+1)$  ogf]  
A162806 3.51455 [  $\{-a(n+4)+18*a(n+3)+18*a(n+2)-171*a(n+1), a(0) = 1, a(1) = 20, a(2) = 380, a(3) = 7030\}$ , ogf]  
A162806 6.83652 [  $(x^2+x+1)*(x+1)/(171*x^3-18*x^2-18*x+1)$  ogf]  
A162807 3.57313 [  $\{-a(n+4)+19*a(n+3)+19*a(n+2)-190*a(n+1), a(0) = 1, a(1) = 21, a(2) = 420, a(3) = 8190\}$ , ogf]  
A162807 6.95047 [  $(x^2+x+1)*(x+1)/(190*x^3-19*x^2-19*x+1)$  ogf]  
A162808 3.61218 [  $\{-a(n+4)+20*a(n+3)+20*a(n+2)-210*a(n+1), a(0) = 1, a(1) = 22, a(2) = 462, a(3) = 9471\}$ , ogf]  
A162808 7.02642 [  $(x^2+x+1)*(x+1)/(210*x^3-20*x^2-20*x+1)$  ogf]  
A162809 3.68386 [  $\{-a(n+4)+21*a(n+3)+21*a(n+2)-231*a(n+1), a(0) = 1, a(1) = 23, a(2) = 506, a(3) = 10879\}$ , ogf]  
A162809 7.21633 [  $(x^2+x+1)*(x+1)/(231*x^3-21*x^2-21*x+1)$  ogf]  
A162810 3.68386 [  $\{-a(n+4)+22*a(n+3)+22*a(n+2)-253*a(n+1), a(0) = 1, a(1) = 24, a(2) = 552, a(3) = 12420\}$ , ogf]  
A162810 7.21633 [  $(x^2+x+1)*(x+1)/(253*x^3-22*x^2-22*x+1)$  ogf]  
A162811 3.74203 [  $\{-a(n+4)+23*a(n+3)+23*a(n+2)-276*a(n+1), a(0) = 1, a(1) = 25, a(2) = 600, a(3) = 14100\}$ , ogf]  
A162811 7.33027 [  $(x^2+x+1)*(x+1)/(276*x^3-23*x^2-23*x+1)$  ogf]  
A162812 3.76141 [  $\{-a(n+4)+24*a(n+3)+24*a(n+2)-300*a(n+1), a(0) = 1, a(1) = 26, a(2) = 650, a(3) = 15925\}$ , ogf]  
A162812 7.36825 [  $(x^2+x+1)*(x+1)/(300*x^3-24*x^2-24*x+1)$  ogf]  
A162813 11.1852 [  $\{-a(n+2)+3*a(n), a(0) = 5, a(1) = 3\}$ , ogf]  
A162813 17.4598 [  $-(3*x+5)/(3*x^2-1)$  ogf]  
A162813 18.9661  $1/6*(-5+(25+12*x+12*x^2)^{(1/2)})/(1+x)$  revogf  
A162813 20.0499  $-3*(1+10*x+3*x^2)/(3*x+5)/(3*x^2-1)$  lgdogf  
A162814 13.6409 [  $-(12*x-5)/(6*x^2-6*x+1)$  ogf]  
A162814 14.3050  $-1/12*(-5-6*x+(25+12*x+12*x^2)^{(1/2)})/(x+2)$  revogf  
A162814 15.0029  $-6*(3-10*x+12*x^2)/(12*x-5)/(6*x^2-6*x+1)$  lgdogf  
A162814 7.56001 [  $\{a(n+2)-6*a(n+1)+6*a(n), a(0) = 5, a(1) = 18\}$ , ogf]  
A162815 11.9829  $-1/2*(-5-8*x+(25+12*x+12*x^2)^{(1/2)})/(17+13*x)$  revogf  
A162815 11.9829 [  $-(17*x-5)/(13*x^2-8*x+1)$  ogf]  
A162815 12.8189  $-(23-130*x+221*x^2)/(17*x-5)/(13*x^2-8*x+1)$  lgdogf  
A162815 6.70473 [  $\{a(n+2)-8*a(n+1)+13*a(n), a(0) = 5, a(1) = 23\}$ , ogf]  
A162816 13.2311 [  $-(27*x-5)/(33*x^2-12*x+1)$  ogf]  
A162816 13.5459  $-1/6*(-5-12*x+(25+12*x+12*x^2)^{(1/2)})/(9+11*x)$  revogf  
A162816 14.1616  $-33*(1-10*x+27*x^2)/(27*x-5)/(33*x^2-12*x+1)$  lgdogf  
A162816 7.47171 [  $\{a(n+2)-12*a(n+1)+33*a(n), a(0) = 5, a(1) = 33\}$ , ogf]  
A162827 3.81958 [  $\{-a(n+4)+25*a(n+3)+25*a(n+2)-325*a(n+1), a(0) = 1, a(1) = 27, a(2) = 702, a(3) = 17901\}$ , ogf]  
A162827 7.48219 [  $(x^2+x+1)*(x+1)/(325*x^3-25*x^2-25*x+1)$  ogf]  
A162830 3.83897 [  $\{-a(n+4)+26*a(n+3)+26*a(n+2)-351*a(n+1), a(0) = 1, a(1) = 28, a(2) = 756, a(3) = 20034\}$ , ogf]  
A162830 7.52018 [  $(x^2+x+1)*(x+1)/(351*x^3-26*x^2-26*x+1)$  ogf]  
A162831 3.87775 [  $\{-a(n+4)+27*a(n+3)+27*a(n+2)-378*a(n+1), a(0) = 1, a(1) = 29, a(2) = 812, a(3) = 22330\}$ , ogf]  
A162831 7.59614 [  $(x^2+x+1)*(x+1)/(378*x^3-27*x^2-27*x+1)$  ogf]  
A162833 3.91652 [  $\{-a(n+4)+28*a(n+3)+28*a(n+2)-406*a(n+1), a(0) = 1, a(1) = 30, a(2) = 870, a(3) = 24795\}$ , ogf]  
A162833 7.67210 [  $(x^2+x+1)*(x+1)/(406*x^3-28*x^2-28*x+1)$  ogf]  
A162835 3.95530 [  $\{-a(n+4)+29*a(n+3)+29*a(n+2)-435*a(n+1), a(0) = 1, a(1) = 31, a(2) = 930, a(3) = 27435\}$ , ogf]  
A162835 7.74805 [  $(x^2+x+1)*(x+1)/(435*x^3-29*x^2-29*x+1)$  ogf]  
A162836 3.95530 [  $\{-a(n+4)+30*a(n+3)+30*a(n+2)-465*a(n+1), a(0) = 1, a(1) = 32, a(2) = 992, a(3) = 30256\}$ , ogf]  
A162836 7.74805 [  $(x^2+x+1)*(x+1)/(465*x^3-30*x^2-30*x+1)$  ogf]

A162837 4.06261 [  $\{-a(n+4)+31*a(n+3)+31*a(n+2)-496*a(n+1), a(0) = 1, a(1) = 33, a(2) = 1056, a(3) = 33264\}, \text{ogf}]$   
A162837 8.01392 [  $(x^2+x+1)*(x+1)/(496*x^3-31*x^2-31*x+1) \text{ogf}]$   
A162838 4.06261 [  $\{-a(n+4)+32*a(n+3)+32*a(n+2)-528*a(n+1), a(0) = 1, a(1) = 34, a(2) = 1122, a(3) = 36465\}, \text{ogf}]$   
A162838 8.01392 [  $(x^2+x+1)*(x+1)/(528*x^3-32*x^2-32*x+1) \text{ogf}]$   
A162847 4.06261 [  $\{-a(n+4)+33*a(n+3)+33*a(n+2)-561*a(n+1), a(0) = 1, a(1) = 35, a(2) = 1190, a(3) = 39865\}, \text{ogf}]$   
A162847 8.01392 [  $(x^2+x+1)*(x+1)/(561*x^3-33*x^2-33*x+1) \text{ogf}]$   
A162849 7.01577 [  $x*(100*x^2-10*x-1)/(x-1)/(x+1)/(90*x^2-1)/(110*x^2-1) \text{ogf}]$   
A162850 4.10112 [  $\{-a(n+4)+34*a(n+3)+34*a(n+2)-595*a(n+1), a(0) = 1, a(1) = 36, a(2) = 1260, a(3) = 43470\}, \text{ogf}]$   
A162850 8.08989 [  $(x^2+x+1)*(x+1)/(595*x^3-34*x^2-34*x+1) \text{ogf}]$   
A162851 4.12038 [  $\{-a(n+4)+35*a(n+3)+35*a(n+2)-630*a(n+1), a(0) = 1, a(1) = 37, a(2) = 1332, a(3) = 47286\}, \text{ogf}]$   
A162851 8.12786 [  $(x^2+x+1)*(x+1)/(630*x^3-35*x^2-35*x+1) \text{ogf}]$   
A162852 15.5211 [  $(x-3)/(3*x^2-1) \text{ogf}]$   
A162852 17.8506  $1/2/(-1+3*x)*(-3+(9-4*x+12*x^2)^{(1/2)}) \text{revogf}$   
A162852 21.8814  $-(1-18*x+3*x^2)/(x-3)/(3*x^2-1) \text{lgdogf}$   
A162852 9.94320 [  $\{a(n+2)-3*a(n), a(0) = 3, a(1) = -1\}, \text{ogf}]$   
A162858 3.57312 [  $\{-a(n+4)+36*a(n+3)+36*a(n+2)-666*a(n+1), a(0) = 1, a(1) = 38, a(2) = 1406, a(3) = 51319\}, \text{ogf}]$   
A162858 7.04836 [  $(x^2+x+1)*(x+1)/(666*x^3-36*x^2-36*x+1) \text{ogf}]$   
A162871 3.61074 [  $\{-a(n+4)+37*a(n+3)+37*a(n+2)-703*a(n+1), a(0) = 1, a(1) = 39, a(2) = 1482, a(3) = 55575\}, \text{ogf}]$   
A162871 7.12255 [  $(x^2+x+1)*(x+1)/(703*x^3-37*x^2-37*x+1) \text{ogf}]$   
A162877 3.62954 [  $\{-a(n+4)+38*a(n+3)+38*a(n+2)-741*a(n+1), a(0) = 1, a(1) = 40, a(2) = 1560, a(3) = 60060\}, \text{ogf}]$   
A162877 7.15964 [  $(x^2+x+1)*(x+1)/(741*x^3-38*x^2-38*x+1) \text{ogf}]$   
A162878 3.64835 [  $\{-a(n+4)+39*a(n+3)+39*a(n+2)-780*a(n+1), a(0) = 1, a(1) = 41, a(2) = 1640, a(3) = 64780\}, \text{ogf}]$   
A162878 7.19674 [  $(x^2+x+1)*(x+1)/(780*x^3-39*x^2-39*x+1) \text{ogf}]$   
A162879 3.66715 [  $\{-a(n+4)+40*a(n+3)+40*a(n+2)-820*a(n+1), a(0) = 1, a(1) = 42, a(2) = 1722, a(3) = 69741\}, \text{ogf}]$   
A162879 7.23384 [  $(x^2+x+1)*(x+1)/(820*x^3-40*x^2-40*x+1) \text{ogf}]$   
A162881 3.68596 [  $\{-a(n+4)+41*a(n+3)+41*a(n+2)-861*a(n+1), a(0) = 1, a(1) = 43, a(2) = 1806, a(3) = 74949\}, \text{ogf}]$   
A162881 7.27093 [  $(x^2+x+1)*(x+1)/(861*x^3-41*x^2-41*x+1) \text{ogf}]$   
A162882 3.70476 [  $\{-a(n+4)+42*a(n+3)+42*a(n+2)-903*a(n+1), a(0) = 1, a(1) = 44, a(2) = 1892, a(3) = 80410\}, \text{ogf}]$   
A162882 7.30803 [  $(x^2+x+1)*(x+1)/(903*x^3-42*x^2-42*x+1) \text{ogf}]$   
A162885 3.72357 [  $\{-a(n+4)+43*a(n+3)+43*a(n+2)-946*a(n+1), a(0) = 1, a(1) = 45, a(2) = 1980, a(3) = 86130\}, \text{ogf}]$   
A162885 7.34512 [  $(x^2+x+1)*(x+1)/(946*x^3-43*x^2-43*x+1) \text{ogf}]$   
A162889 3.74238 [  $\{-a(n+4)+44*a(n+3)+44*a(n+2)-990*a(n+1), a(0) = 1, a(1) = 46, a(2) = 2070, a(3) = 92115\}, \text{ogf}]$   
A162889 7.38222 [  $(x^2+x+1)*(x+1)/(990*x^3-44*x^2-44*x+1) \text{ogf}]$   
A162896 3.71657 [  $\{-a(n+4)+45*a(n+3)+45*a(n+2)-1035*a(n+1), a(0) = 1, a(1) = 47, a(2) = 2162, a(3) = 98371\}, \text{ogf}]$   
A162896 7.28246 [  $(x^2+x+1)*(x+1)/(1035*x^3-45*x^2-45*x+1) \text{ogf}]$   
A162897 10.1873 [  $(x^7-x^6+x^4-x^3-x^2+2)/(x+1)/(x-1)^2 \text{ogf}]$   
A162897 10.5881  $(-2-4*x+7*x^5-2*x^3-x^4-6*x^6+4*x^8+4*x^2-4*x^7)/(x-1)/(x+1)/(x^7-x^6+x^4-x^3-x^2+2) \text{lgdogf}$   
A162899 10.9703  $-2*(5+4*x+4*x^5-10*x^3-2*x^4+7*x^2)/(x-1)/(x+1)/(4*x^4-4*x^3-7*x^2+8*x+1) \text{lgdogf}$   
A162899 8.08150 [  $(4*x^4-4*x^3-7*x^2+8*x+1)/(x+1)^2/(x-1)^4 \text{ogf}]$   
A162913 3.76530 [  $\{-a(n+4)+46*a(n+3)+46*a(n+2)-1081*a(n+1), a(0) = 1, a(1) = 48, a(2) = 2256, a(3) = 104904\}, \text{ogf}]$   
A162913 7.42884 [  $(x^2+x+1)*(x+1)/(1081*x^3-46*x^2-46*x+1) \text{ogf}]$   
A162914 3.76530 [  $\{-a(n+4)+47*a(n+3)+47*a(n+2)-1128*a(n+1), a(0) = 1, a(1) = 49, a(2) = 2352, a(3) = 111720\}, \text{ogf}]$

A162914 7.42884 [  $(x^2+x+1)*(x+1)/(1128*x^3-47*x^2-47*x+1)$  ogf]  
A162918 7.93896 [  $-(x^{13}-x^{12}+x^9-x^7+x^6+x^4-x^3+3*x^2+7*x-12)/(x-1)^2$  ogf]  
A162919 3.76530 [  $\{-a(n+4)+48*a(n+3)+48*a(n+2)-1176*a(n+1), a(0) = 1, a(1) = 50,$   
 $a(2) = 2450, a(3) = 118825\}$ , ogf]  
A162919 7.42884 [  $(x^2+x+1)*(x+1)/(1176*x^3-48*x^2-48*x+1)$  ogf]  
A162920 8.25584 [  $(x^2+1)*(x+1)^2/(x^4-x^3-x^2-x+1)$  ogf]  
A162921 7.47447 [  $(x^2+1)*(x+1)^2/(3*x^4-2*x^3-2*x^2-2*x+1)$  ogf]  
A162925 7.66471 [  $(x^2+1)*(x+1)^2/(6*x^4-3*x^3-3*x^2-3*x+1)$  ogf]  
A162937 7.11658 [  $(x^2+1)*(x+1)^2/(10*x^4-4*x^3-4*x^2-4*x+1)$  ogf]  
A162940 16.6802 [  $-36*x/(x-1)^3$  ogf]  
A162940 58.6169 [[3] ogf\_with\_Euler\_transform]  
A162940 6.73059 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 36, a(2) =$   
 $108\}$ , ogf]  
A162940 94.5276  $-3/(x-1)$  lgdogf  
A162941 7.00948 [  $(x^2+1)*(x+1)^2/(15*x^4-5*x^3-5*x^2-5*x+1)$  ogf]  
A162942 16.4860 [  $-49*x/(x-1)^3$  ogf]  
A162942 57.9216 [[3] ogf\_with\_Euler\_transform]  
A162942 6.65225 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 49, a(2) =$   
 $147\}$ , ogf]  
A162942 93.4208  $-3/(x-1)$  lgdogf  
A162949 6.75781 [  $(x^2+1)*(x+1)^2/(21*x^4-6*x^3-6*x^2-6*x+1)$  ogf]  
A162959 16.7601 [  $2*(x+1)*x/(x^4-4*x^2+1)$  ogf]  
A162959 18.6692 [  $-(-1-8*x+4*x^3+3*x^4-4*x^2)/(x+1)/(x^4-4*x^2+1)$  lgdogf]  
A162960 7.14099 [  $(x^2+1)*(x+1)^2/(28*x^4-7*x^3-7*x^2-7*x+1)$  ogf]  
A162962 10.8945 [  $\{a(n+2)-5*a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A162962 17.0060 [  $-(5*x+1)/(5*x^2-1)$  ogf]  
A162962 18.4768  $1/10*(-1+(1+20*x+20*x^2)^{1/2})/(1+x)$  revogf  
A162962 20.1071  $-5*(1+2*x+5*x^2)/(5*x+1)/(5*x^2-1)$  lgdogf  
A162963 10.4176 [  $\{a(n+2)-5*a(n), a(0) = 2, a(1) = 5\}$ , ogf]  
A162963 16.2616 [  $-(5*x+2)/(5*x^2-1)$  ogf]  
A162963 19.2134  $-5*(1+4*x+5*x^2)/(5*x+2)/(5*x^2-1)$  lgdogf  
A162963 19.2134  $1/5*(-1+(1+5*x+5*x^2)^{1/2})/(1+x)$  revogf  
A162968 17.0532  $-6*(x+1)^2/(x-1)/(3*x^2+2*x+1)$  lgdegf  
A162968 7.58199 [  $(3*x^2+2*x+1)/(x-1)^4$  egf]  
A162970 22.4818  $(3+5*x+x^3+2*x^2)/(x^2+2*x)$  lgdegf  
A162970 3.90216 [  $\{(n^2+7*n+12)*a(n+1)+(4+n)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1)$   
 $= 1, a(2) = 3\}$ , ogf]  
A162983 6.67635 [  $(x^2+1)*(x+1)^2/(36*x^4-8*x^3-8*x^2-8*x+1)$  ogf]  
A162987 6.45292 [  $(x^2+1)*(x+1)^2/(45*x^4-9*x^3-9*x^2-9*x+1)$  ogf]  
A162993 4.28347 [  $\{(n^2+10*n+25)*a(n+1)-a(n+2), a(0) = 9, a(1) = 144\}$ , ogf]  
A162994 3.94662 [  $\{(n^2+12*n+36)*a(n+1)-a(n+2), a(0) = 64, a(1) = 1600\}$ , ogf]  
A163003 5.86725 [  $-(x+1)*(x^4-x^3+x^2+x-1)/(x^2+x-1)/$   
 $(x^6-7*x^5+x^4+6*x^3-11*x^2+7*x-1)$  ogf]  
A163012 5.76071 [  $-(x^5-6*x^4+3*x^2-5*x+3)/(x^6-7*x^5+x^4+6*x^3-11*x^2+7*x-1)$   
ogf]  
A163020 4.50868 [  $(x^6+x^4+5*x^2-2*x-1)/(x-1)/(x^2+2*x-1)/$   
 $(x^6-7*x^5+x^4+6*x^3-11*x^2+7*x-1)$  ogf]  
A163029 5.38228 [  $-2*(x^5-4*x^4-3*x^3+7*x^2-7*x+3)/$   
 $(x^6-7*x^5+x^4+6*x^3-11*x^2+7*x-1)$  ogf]  
A163037 14.3552 [  $-(-7+7*x+3*x^3+9*x^2)/(x-1)/(x+1)/(x^2+2*x-1)$  lgdogf]  
A163037 8.56062 [  $(x+1)^2/(x^2+2*x-1)/(x-1)^3$  ogf]  
A163047 5.84341 [  $-(3-18*x+122*x^5-6*x^7-61*x^6-58*x^3-24*x^4+3*x^8+51*x^2)/(x-1)/$   
 $(x^2+3*x-1)/(x^6-7*x^5+x^4+6*x^3-11*x^2+7*x-1)$  lgdogf]  
A163047 6.97146 [  $-(x-1)*(x^2+3*x-1)/(x^6-7*x^5+x^4+6*x^3-11*x^2+7*x-1)$  ogf]  
A163055 6.23540 [  $(x^2+1)*(x+1)^2/(55*x^4-10*x^3-10*x^2-10*x+1)$  ogf]  
A163062 13.4891 [  $-(2*x+3)/(4*x^2+2*x-1)$  ogf]  
A163062 14.1499  $1/4*(-3-2*x+(9+20*x+20*x^2)^{1/2})/(2*x+1)$  revogf  
A163062 16.5082  $-8*(1+3*x+x^2)/(2*x+3)/(4*x^2+2*x-1)$  lgdogf  
A163062 7.40254 [  $\{-a(n+2)+2*a(n+1)+4*a(n), a(0) = 3, a(1) = 8\}$ , ogf]  
A163063 13.0511 [  $(x-3)/(x^2+4*x-1)$  ogf]  
A163063 14.3733  $1/2/(x-1)*(-3-4*x+(9+20*x+20*x^2)^{1/2})$  revogf



A163063 17.9667  $-( -11-6*x+x^2)/(x-3)/(x^2+4*x-1)$  lgdogf  
A163063 7.07588  $[ \{-a(n+2)+4*a(n+1)+a(n), a(0) = 3, a(1) = 11\},$  ogf]  
A163064 12.5039  $[ -(7*x-3)/(11*x^2-8*x+1)$  ogf]  
A163064 12.7999  $-1/2*(-3-8*x+(9+20*x+20*x^2)^{1/2})/(7+11*x)$  revogf  
A163064 14.0799  $-(17-66*x+77*x^2)/(7*x-3)/(11*x^2-8*x+1)$  lgdogf  
A163064 6.84738  $[ \{a(n+2)-8*a(n+1)+11*a(n), a(0) = 3, a(1) = 17\},$  ogf]  
A163065 12.8567  $[ -(10*x-3)/(20*x^2-10*x+1)$  ogf]  
A163065 13.4475  $-1/20*(-3-10*x+(9+20*x+20*x^2)^{1/2})/(2*x+1)$  revogf  
A163065 14.0730  $-20*(1-6*x+10*x^2)/(10*x-3)/(20*x^2-10*x+1)$  lgdogf  
A163065 7.26024  $[ \{a(n+2)-10*a(n+1)+20*a(n), a(0) = 3, a(1) = 20\},$  ogf]  
A163066 13.5764  $[ -(7*x-2)/(31*x^2-12*x+1)$  ogf]  
A163066 14.5606  $-(17-124*x+217*x^2)/(7*x-2)/(31*x^2-12*x+1)$  lgdogf  
A163066 16.4765  $-( -1-6*x+(1+5*x+5*x^2)^{1/2})/(7+31*x)$  revogf  
A163066 7.50694  $[ \{-a(n+2)+12*a(n+1)-31*a(n), a(0) = 2, a(1) = 17\},$  ogf]  
A163067 12.7175  $[ -(9*x-2)/(44*x^2-14*x+1)$  ogf]  
A163067 13.6266  $-(19-176*x+396*x^2)/(9*x-2)/(44*x^2-14*x+1)$  lgdogf  
A163067 15.4196  $-( -1-7*x+(1+5*x+5*x^2)^{1/2})/(9+44*x)$  revogf  
A163067 7.03201  $[ \{-a(n+2)+14*a(n+1)-44*a(n), a(0) = 2, a(1) = 19\},$  ogf]  
A163068 11.5615  $[ -(11*x-2)/(59*x^2-16*x+1)$  ogf]  
A163068 12.3498  $-(21-236*x+649*x^2)/(11*x-2)/(59*x^2-16*x+1)$  lgdogf  
A163068 13.9331  $-( -1-8*x+(1+5*x+5*x^2)^{1/2})/(11+59*x)$  revogf  
A163068 6.52884  $[ \{-a(n+2)+16*a(n+1)-59*a(n), a(0) = 2, a(1) = 21\},$  ogf]  
A163069 13.7009  $[ -(x+4)/(4*x^2+2*x-1)$  ogf]  
A163069 17.2523  $-(9+32*x+4*x^2)/(x+4)/(4*x^2+2*x-1)$  lgdogf  
A163069 17.7597  $-(2-x+(4+5*x+5*x^2)^{1/2})/(1+4*x)$  revogf  
A163069 7.51880  $[ \{-a(n+2)+2*a(n+1)+4*a(n), a(0) = 4, a(1) = 9\},$  ogf]  
A163070 13.2571  $[ (3*x-4)/(x^2+4*x-1)$  ogf]  
A163070 16.2280  $-( -13-8*x+3*x^2)/(3*x-4)/(x^2+4*x-1)$  lgdogf  
A163070 16.6916  $-(2-2*x+(4+5*x+5*x^2)^{1/2})/(-3+x)$  revogf  
A163070 7.18760  $[ \{-a(n+2)+4*a(n+1)+a(n), a(0) = 4, a(1) = 13\},$  ogf]  
A163071 13.1929  $[ -(7*x-4)/(4*x^2-6*x+1)$  ogf]  
A163071 14.9103  $-(17-32*x+28*x^2)/(7*x-4)/(4*x^2-6*x+1)$  lgdogf  
A163071 15.7163  $-( -2-3*x+(4+5*x+5*x^2)^{1/2})/(7+4*x)$  revogf  
A163071 7.15278  $[ \{a(n+2)-6*a(n+1)+4*a(n), a(0) = 4, a(1) = 17\},$  ogf]  
A163072 12.8567  $[ -(15*x-4)/(20*x^2-10*x+1)$  ogf]  
A163072 14.0730  $-5*(5-32*x+60*x^2)/(15*x-4)/(20*x^2-10*x+1)$  lgdogf  
A163072 14.7595  $-1/5*(-2-5*x+(4+5*x+5*x^2)^{1/2})/(3+4*x)$  revogf  
A163072 7.26024  $[ \{a(n+2)-10*a(n+1)+20*a(n), a(0) = 4, a(1) = 25\},$  ogf]  
A163073 13.1708  $[ -(3*x-1)/(11*x^2-8*x+1)$  ogf]  
A163073 13.8065  $-1/2*(-1-8*x+(1+4*x+20*x^2)^{1/2})/(3+11*x)$  revogf  
A163073 14.8420  $-(5-22*x+33*x^2)/(-1+3*x)/(11*x^2-8*x+1)$  lgdogf  
A163073 7.29951  $[ \{a(n+2)-8*a(n+1)+11*a(n), a(0) = 1, a(1) = 5\},$  ogf]  
A163084 8.07837  $[ (x^2+1)*(x+1)^2/(66*x^4-11*x^3-11*x^2-11*x+1)$  ogf]  
A163090 5.76192  $[ (x^2+1)*(x+1)^2/(78*x^4-12*x^3-12*x^2-12*x+1)$  ogf]  
A163091 5.92109  $[ (x^2+1)*(x+1)^2/(91*x^4-13*x^3-13*x^2-13*x+1)$  ogf]  
A163092 5.94974  $[ (x^2+1)*(x+1)^2/(105*x^4-14*x^3-14*x^2-14*x+1)$  ogf]  
A163093 6.10714  $[ (x^2+1)*(x+1)^2/(120*x^4-15*x^3-15*x^2-15*x+1)$  ogf]  
A163102 22.9569  $-3*(3+6*x+x^2)/(x-1)/(x^2+4*x+1)$  lgdogf  
A163102 3.76451  $[ \{(n+3)*a(n+4)+(-3+3*n)*a(n+3)+(-21-3*n)*a(n+2)+(-3-n)*a(n+1),$   
 $a(0) = 0, a(1) = 2, a(2) = 18, a(3) = 72\},$  ogf]  
A163102 8.98039  $[ -2*x*(x^2+4*x+1)/(x-1)^5$  ogf]  
A163104 6.20158  $[ (x^2+1)*(x+1)^2/(136*x^4-16*x^3-16*x^2-16*x+1)$  ogf]  
A163110 5.51438  $[ (x^2+1)*(x+1)^2/(153*x^4-17*x^3-17*x^2-17*x+1)$  ogf]  
A163114 10.5228  $[ \{-a(n+2)+5*a(n), a(0) = 3, a(1) = 5\},$  ogf]  
A163114 10.6450  $1/5*5^{1/2}*(-\operatorname{arcsinh}(1/2*5^{1/2})+\operatorname{arcsinh}(1/2*5^{1/2}*(x+1)))$   
 $\operatorname{reveg}$   
A163114 16.4259  $[ -(5*x+3)/(5*x^2-1)$  ogf]  
A163114 19.4115  $-5*(x+1)*(5*x+1)/(5*x+3)/(5*x^2-1)$  lgdogf  
A163124 5.57599  $[ (x^2+1)*(x+1)^2/(171*x^4-18*x^3-18*x^2-18*x+1)$  ogf]  
A163128 5.66181  $[$   
 $x*(9*x^{12}+9*x^{11}+9*x^{10}+10*x^9+10*x^8+10*x^7+10*x^6+10*x^5+10*x^4+x^3+x^2+x+1)/$

$(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
 A163139 6.74025 [ -
   
 $(9*x^{12}+9*x^{11}+9*x^{10}+10*x^9+10*x^8+10*x^7+10*x^6+10*x^5+10*x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]
   
 A163141 10.6280 [{-a(n+2)+5\*a(n), a(0) = 4, a(1) = 5}, ogf]
   
 A163141 16.5901 [ -(5\*x+4)/(5\*x^2-1) ogf]
   
 A163141 19.6096 -5\*(1+8\*x+5\*x^2)/(5\*x+4)/(5\*x^2-1) lgdogf
   
 A163141 19.6096 1/5\*(-2+(4+5\*x+5\*x^2)^(1/2))/(1+x) revogf
   
 A163145 5.66841 [ (x^2+1)\*(x+1)^2/(190\*x^4-19\*x^3-19\*x^2-19\*x+1) ogf]
   
 A163146 13.4489 [ -(x-1)/(31\*x^2-12\*x+1) ogf]
   
 A163146 13.7804 -1/2\*(-1-12\*x+(1+20\*x+20\*x^2)^(1/2))/(1+31\*x) revogf
   
 A163146 15.9004 -(11-62\*x+31\*x^2)/(x-1)/(31\*x^2-12\*x+1) lgdogf
   
 A163146 7.43646 [{-a(n+2)+12\*a(n+1)-31\*a(n), a(0) = 1, a(1) = 11}, ogf]
   
 A163147 12.4669 [ -(2\*x-1)/(44\*x^2-14\*x+1) ogf]
   
 A163147 12.7592 -1/4\*(-1-14\*x+(1+20\*x+20\*x^2)^(1/2))/(1+22\*x) revogf
   
 A163147 13.6706 -4\*(3-22\*x+22\*x^2)/(2\*x-1)/(44\*x^2-14\*x+1) lgdogf
   
 A163147 6.89346 [{-a(n+2)+14\*a(n+1)-44\*a(n), a(0) = 1, a(1) = 12}, ogf]
   
 A163148 11.8075 [ -(3\*x-1)/(59\*x^2-16\*x+1) ogf]
   
 A163148 12.0753 -1/2\*(-16\*x-1+(1+20\*x+20\*x^2)^(1/2))/(3+59\*x) revogf
   
 A163148 12.3498 -(13-118\*x+177\*x^2)/(-1+3\*x)/(59\*x^2-16\*x+1) lgdogf
   
 A163148 6.52884 [{-a(n+2)+16\*a(n+1)-59\*a(n), a(0) = 1, a(1) = 13}, ogf]
   
 A163149 5.69921 [ (x^2+1)\*(x+1)^2/(210\*x^4-20\*x^3-20\*x^2-20\*x+1) ogf]
   
 A163165 11.6217 [ -(10\*x-1)/(12\*x-1)/(8\*x-1) ogf]
   
 A163165 12.1396 -2\*(5-96\*x+480\*x^2)/(12\*x-1)/(8\*x-1)/(10\*x-1) lgdogf
   
 A163165 6.56284 [{a(n+2)-20\*a(n+1)+96\*a(n), a(0) = 1, a(1) = 10}, ogf]
   
 A163166 11.7421 [ -(10\*x-1)/(95\*x^2-20\*x+1) ogf]
   
 A163166 12.5468 -10\*(1-19\*x+95\*x^2)/(10\*x-1)/(95\*x^2-20\*x+1) lgdogf
   
 A163166 6.63085 [{a(n+2)-20\*a(n+1)+95\*a(n), a(0) = 1, a(1) = 10}, ogf]
   
 A163171 5.85324 [ (x^2+1)\*(x+1)^2/(231\*x^4-21\*x^3-21\*x^2-21\*x+1) ogf]
   
 A163174 5.88406 [ (x^2+1)\*(x+1)^2/(253\*x^4-22\*x^3-22\*x^2-22\*x+1) ogf]
   
 A163175 5.94567 [ (x^2+1)\*(x+1)^2/(276\*x^4-23\*x^3-23\*x^2-23\*x+1) ogf]
   
 A163177 6.00728 [ (x^2+1)\*(x+1)^2/(300\*x^4-24\*x^3-24\*x^2-24\*x+1) ogf]
   
 A163179 6.06889 [ (x^2+1)\*(x+1)^2/(325\*x^4-25\*x^3-25\*x^2-25\*x+1) ogf]
   
 A163187 6.16131 [ (x^2+1)\*(x+1)^2/(351\*x^4-26\*x^3-26\*x^2-26\*x+1) ogf]
   
 A163192 10.4475 [ -(10\*x-1)/(93\*x^2-20\*x+1) ogf]
   
 A163192 11.1397 -2\*(5-93\*x+465\*x^2)/(10\*x-1)/(93\*x^2-20\*x+1) lgdogf
   
 A163192 5.89974 [{a(n+2)-20\*a(n+1)+93\*a(n), a(0) = 1, a(1) = 10}, ogf]
   
 A163194 7.78890 -(-539+1958\*x-124\*x^5+3\*x^6-3710\*x^3+1435\*x^4+2225\*x^2)/(x+1)/(x^2-3\*x+1)/(x^2-18\*x+1)/(x^2-21\*x+28) lgdogf
   
 A163194 8.53132 [ 4\*x^2\*(x^2-21\*x+28)/(x+1)/(x^2-3\*x+1)/(x^2-18\*x+1) ogf]
   
 A163195 7.45937 -(-539+1958\*x-124\*x^5+3\*x^6-3710\*x^3+1435\*x^4+2225\*x^2)/(x+1)/(x^2-3\*x+1)/(x^2-18\*x+1)/(x^2-21\*x+28) lgdogf
   
 A163195 8.26294 [ x^2\*(x^2-21\*x+28)/(x+1)/(x^2-3\*x+1)/(x^2-18\*x+1) ogf]
   
 A163196 8.06068 -(1+14\*x-1204\*x^5+84\*x^6-1550\*x^3+2245\*x^4-70\*x^2)/(x+1)/(x^2-3\*x+1)/(28\*x^2-21\*x+1)/(x^2-18\*x+1) lgdogf
   
 A163196 9.41515 [ -4\*(28\*x^2-21\*x+1)/(x+1)/(x^2-3\*x+1)/(x^2-18\*x+1) ogf]
   
 A163197 7.72095 -(1+14\*x-1204\*x^5+84\*x^6-1550\*x^3+2245\*x^4-70\*x^2)/(x+1)/(x^2-3\*x+1)/(28\*x^2-21\*x+1)/(x^2-18\*x+1) lgdogf
   
 A163197 9.13157 [ -(28\*x^2-21\*x+1)/(x+1)/(x^2-3\*x+1)/(x^2-18\*x+1) ogf]
   
 A163198 8.19711 -(28-152\*x-20\*x^5+3\*x^6+836\*x^3-314\*x^4-253\*x^2)/(x-1)/(x^2+6\*x+1)/(x^2-18\*x+1)/(x^2-3\*x+1) lgdogf
   
 A163198 8.88146 [ -x\*(x^2+6\*x+1)/(x-1)/(x^2-3\*x+1)/(x^2-18\*x+1) ogf]
   
 A163199 7.54924 [ (x^4-22\*x^3+50\*x^2-22\*x+1)/(x-1)/(x^2-3\*x+1)/(x^2-18\*x+1) ogf]
   
 A163200 9.10241 -(-9+110\*x+2\*x^5+508\*x^3-57\*x^4-714\*x^2)/(x^2-3\*x+1)/(x^2-18\*x+1)/(x^2-12\*x+1) lgdogf
   
 A163200 9.33734 [ x\*(x^2-12\*x+1)/(x^2-3\*x+1)/(x^2-18\*x+1) ogf]
   
 A163201 8.42755 -(-26-68\*x+16\*x^5+3\*x^6-340\*x^3-320\*x^4+335\*x^2)/(x-1)/(x^2+3\*x+1)/(x^2+18\*x+1)/(x^2-6\*x+1) lgdogf
   
 A163201 8.77573 [ x\*(x^2-6\*x+1)/(x-1)/(x^2+18\*x+1)/(x^2+3\*x+1) ogf]
   
 A163202 6.98062 -(-7-44\*x+572\*x^5+2\*x^7+59\*x^6+1030\*x^3+1275\*x^4-87\*x^2)/(x-1)/(x+1)/(x^2+18\*x+1)/(x^2+3\*x+1)/(x^2+12\*x+1) lgdogf

A163202 7.56816 [  $x^*(x+1)*(x^2+12*x+1)/(x-1)/(x^2+18*x+1)/(x^2+3*x+1)$  ogf]  
A163206 11.1397  $-2*(5-92*x+460*x^2)/(10*x-1)/(92*x^2-20*x+1)$  lgdogf  
A163206 14.9786 [  $-(10*x-1)/(92*x^2-20*x+1)$  ogf]  
A163206 8.45853 [  $\{a(n+2)-20*a(n+1)+92*a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A163207 6.19212 [  $(x^2+1)*(x+1)^2/(378*x^4-27*x^3-27*x^2-27*x+1)$  ogf]  
A163208 6.25373 [  $(x^2+1)*(x+1)^2/(406*x^4-28*x^3-28*x^2-28*x+1)$  ogf]  
A163214 6.28453 [  $(x^2+1)*(x+1)^2/(435*x^4-29*x^3-29*x^2-29*x+1)$  ogf]  
A163215 6.28453 [  $(x^2+1)*(x+1)^2/(465*x^4-30*x^3-30*x^2-30*x+1)$  ogf]  
A163216 6.50018 [  $(x^2+1)*(x+1)^2/(496*x^4-31*x^3-31*x^2-31*x+1)$  ogf]  
A163217 6.50018 [  $(x^2+1)*(x+1)^2/(528*x^4-32*x^3-32*x^2-32*x+1)$  ogf]  
A163218 6.50018 [  $(x^2+1)*(x+1)^2/(561*x^4-33*x^3-33*x^2-33*x+1)$  ogf]  
A163219 6.56180 [  $(x^2+1)*(x+1)^2/(595*x^4-34*x^3-34*x^2-34*x+1)$  ogf]  
A163220 5.71700 [  $(x^2+1)*(x+1)^2/(630*x^4-35*x^3-35*x^2-35*x+1)$  ogf]  
A163221 5.71700 [  $(x^2+1)*(x+1)^2/(666*x^4-36*x^3-36*x^2-36*x+1)$  ogf]  
A163222 5.77718 [  $(x^2+1)*(x+1)^2/(703*x^4-37*x^3-37*x^2-37*x+1)$  ogf]  
A163223 5.80727 [  $(x^2+1)*(x+1)^2/(741*x^4-38*x^3-38*x^2-38*x+1)$  ogf]  
A163224 5.86744 [  $(x^2+1)*(x+1)^2/(780*x^4-39*x^3-39*x^2-39*x+1)$  ogf]  
A163225 5.86744 [  $(x^2+1)*(x+1)^2/(820*x^4-40*x^3-40*x^2-40*x+1)$  ogf]  
A163226 5.89753 [  $(x^2+1)*(x+1)^2/(861*x^4-41*x^3-41*x^2-41*x+1)$  ogf]  
A163227 12.0324  $-(1+2*x-6*x^5+4*x^7-5*x^6+2*x^2)/(x-1)/(x+1)/(x^2-x-1)/$   
 $(x^4+x^2-1)$  lgdogf  
A163227 14.2068 [  $-(x^2-x-1)/(x-1)/(x+1)/(x^4+x^2-1)$  ogf]  
A163230 5.92762 [  $(x^2+1)*(x+1)^2/(903*x^4-42*x^3-42*x^2-42*x+1)$  ogf]  
A163231 5.98780 [  $(x^2+1)*(x+1)^2/(946*x^4-43*x^3-43*x^2-43*x+1)$  ogf]  
A163232 5.98780 [  $(x^2+1)*(x+1)^2/(990*x^4-44*x^3-44*x^2-44*x+1)$  ogf]  
A163250 18.5061  $-(5+4*x^3+7*x^2)/(x-1)/(x+1)/(x^2+x-1)$  lgdogf  
A163250 9.46555 [  $x^2*(x+1)/(x^2+x-1)/(x-1)^3$  ogf]  
A163265 5.92200 [  $(x^2+1)*(x+1)^2/(1035*x^4-45*x^3-45*x^2-45*x+1)$  ogf]  
A163266 6.04103 [  $(x^2+1)*(x+1)^2/(1081*x^4-46*x^3-46*x^2-46*x+1)$  ogf]  
A163271 20.6968 [  $-2*x/(x^2+2*x-1)$  ogf]  
A163271 26.9813  $(-1-x+(1+2*x+2*x^2)^{1/2})/x$  revogf  
A163271 37.7739  $-2*(x+1)/(x^2-1+2*x)$  lgdogf  
A163271 9.45407 [  $\{-a(n+2)+2*a(n+1)+a(n), a(0) = 0, a(1) = 2\}$ , ogf]  
A163274 10.5092  $-12*(3+30*x+19*x^3+x^4+52*x^2)/(x-1)/(4*x^4+53*x^3+93*x^2+29*x$   
 $+1)$  lgdogf  
A163274 5.68113 [  $-2*x*(4*x^4+53*x^3+93*x^2+29*x+1)/(x-1)^7$  ogf]  
A163275 4.23740 [  $2*x*(8*x^5+179*x^4+584*x^3+424*x^2+64*x+1)/(x-1)^8$  ogf]  
A163275 6.90404  $-12*(6+108*x+2*x^5+303*x^3+63*x^4+358*x^2)/(x-1)/$   
 $(8*x^5+179*x^4+584*x^3+424*x^2+64*x+1)$  lgdogf  
A163276 3.77005 [  $-2*x*(16*x^6+585*x^5+3231*x^4+4456*x^3+1656*x^2+135*x+1)/$   
 $(x-1)^9$  ogf]  
A163276 5.52179  $-12*(12+366*x+203*x^5+4*x^6+3305*x^3+1590*x^4+2080*x^2)/(x-1)/$   
 $(16*x^6+585*x^5+3231*x^4+4456*x^3+1656*x^2+135*x+1)$  lgdogf  
A163279 5.41460 [  $(x^5-17*x^4-95*x^3-187*x^2-58*x-4)/(x-1)^7$  ogf]  
A163279 8.15921  $-2*(-43-361*x+x^5-224*x^3-23*x^4-610*x^2)/(x-1)/$   
 $(x^5-17*x^4-95*x^3-187*x^2-58*x-4)$  lgdogf  
A163287 6.04103 [  $(x^2+1)*(x+1)^2/(1128*x^4-47*x^3-47*x^2-47*x+1)$  ogf]  
A163290 6.04103 [  $(x^2+1)*(x+1)^2/(1176*x^4-48*x^3-48*x^2-48*x+1)$  ogf]  
A163300 18.2121 [  $-2*x*(x-2)/(x-1)^2$  ogf]  
A163300 25.1379  $2*x/(4+2*x)^{1/2}/(2+(4+2*x)^{1/2})$  revogf  
A163300 48.8792  $-(x-3)/(x-1)/(x-2)$  lgdogf  
A163300 8.83559 [  $\{a(n+3)-2*a(n+2)+a(n+1), a(0) = 0, a(1) = 4, a(2) = 6\}$ , ogf]  
A163302 16.5524 [  $-(4*x+1)/(4*x^2+2*x-1)$  ogf]  
A163302 18.2919  $1/8*(-2*x-1+(1+20*x+20*x^2)^{1/2})/(1+x)$  revogf  
A163302 19.2546  $-2*(3+4*x+8*x^2)/(4*x+1)/(4*x^2+2*x-1)$  lgdogf  
A163302 9.08366 [  $\{a(n+2)-2*a(n+1)-4*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A163303 12.3905  $-2*(-71-14*x+69*x^3+4*x^2)/(x-1)/(138*x^3-203*x^2+126*x-67)$   
lgdogf  
A163303 8.87348 [  $-(138*x^3-203*x^2+126*x-67)/(x-1)^4$  ogf]  
A163304 7.33778 [  $-(383*x^4-6093*x^3+6027*x^2-1151*x+858)/(x-1)^5$  ogf]  
A163304 9.49847  $-(1013+2550*x-3618*x^3+161*x^4-66*x^2)/(x-1)/$

(161\*x^4-2131\*x^3+2109\*x^2-417\*x+286) lgdogf  
 A163305 14.7915  $1/8*(-5-2*x+(5+4*x+4*x^2)^{(1/2)}*5^{(1/2)})/x$  revogf  
 A163305 17.0514  $[-5*x/(4*x^2+2*x-1)$  ogf]  
 A163305 25.8852  $-2*(4*x+1)/(4*x^2+2*x-1)$  lgdogf  
 A163305 7.78889  $[{-a(n+2)+2*a(n+1)+4*a(n), a(0) = 0, a(1) = 5}]$ , ogf]  
 A163306 13.0665  $[-(5*x-1)/(31*x^2-12*x+1)$  ogf]  
 A163306 13.6850  $-1/2*(-1-12*x+(1+4*x+20*x^2)^{(1/2)})/(5+31*x)$  revogf  
 A163306 14.6864  $-(7-62*x+155*x^2)/(5*x-1)/(31*x^2-12*x+1)$  lgdogf  
 A163306 7.31101  $[{a(n+2)-12*a(n+1)+31*a(n), a(0) = 1, a(1) = 7}]$ , ogf]  
 A163307 12.1536  $[-(6*x-1)/(44*x^2-14*x+1)$  ogf]  
 A163307 12.7146  $-1/4*(-1-14*x+(1+4*x+20*x^2)^{(1/2)})/(3+22*x)$  revogf  
 A163307 13.3201  $-8*(1-11*x+33*x^2)/(6*x-1)/(44*x^2-14*x+1)$  lgdogf  
 A163307 6.80025  $[{a(n+2)-14*a(n+1)+44*a(n), a(0) = 1, a(1) = 8}]$ , ogf]  
 A163308 11.0080  $[-(7*x-1)/(59*x^2-16*x+1)$  ogf]  
 A163308 11.4958  $-1/2*(-16*x-1+(1+4*x+20*x^2)^{(1/2)})/(7+59*x)$  revogf  
 A163308 12.0432  $-(9-118*x+413*x^2)/(7*x-1)/(59*x^2-16*x+1)$  lgdogf  
 A163308 6.15924  $[{a(n+2)-16*a(n+1)+59*a(n), a(0) = 1, a(1) = 9}]$ , ogf]  
 A163309 11.8075  $[-(8*x-1)/(76*x^2-18*x+1)$  ogf]  
 A163309 12.3498  $-1/8*(-1-18*x+(1+4*x+20*x^2)^{(1/2)})/(2+19*x)$  revogf  
 A163309 12.6370  $-2*(5-76*x+304*x^2)/(8*x-1)/(76*x^2-18*x+1)$  lgdogf  
 A163309 6.52884  $[{a(n+2)-18*a(n+1)+76*a(n), a(0) = 1, a(1) = 10}]$ , ogf]  
 A163310 12.0535  $[-(9*x-1)/(95*x^2-20*x+1)$  ogf]  
 A163310 12.6125  $-1/2*(-1-20*x+(1+4*x+20*x^2)^{(1/2)})/(9+95*x)$  revogf  
 A163310 12.9058  $-(11-190*x+855*x^2)/(9*x-1)/(95*x^2-20*x+1)$  lgdogf  
 A163310 6.66486  $[{a(n+2)-20*a(n+1)+95*a(n), a(0) = 1, a(1) = 11}]$ , ogf]  
 A163314 8.51504  $[(x^4+x^3+x^2+x+1)/(x^4-2*x^3+x^2-2*x+1)$  ogf]  
 A163315 6.41943  $[(x+1)*(x^4+x^3+x^2+x+1)/(3*x^5-2*x^4-2*x^3-2*x^2-2*x+1)$  ogf]  
 A163316 6.51343  $[(x+1)*(x^4+x^3+x^2+x+1)/(6*x^5-3*x^4-3*x^3-3*x^2-3*x+1)$  ogf]  
 A163317 6.03056  $[(x+1)*(x^4+x^3+x^2+x+1)/(10*x^5-4*x^4-4*x^3-4*x^2-4*x+1)$  ogf]  
 A163322 10.0726  $[-4*x*(x^2-14*x+1)/(x-1)^4$  ogf]  
 A163322 21.0916  $-2*(-5-20*x+x^2)/(x-1)/(x^2-14*x+1)$  lgdogf  
 A163322 3.68996  $[{(-3-n)*a(n+4)+(20+15*n)*a(n+3)+(-55-15*n)*a(n+2)+(n+2)*a(n+1), a(0) = 0, a(1) = -4, a(2) = 40, a(3) = 180}]$ , ogf]  
 A163323 10.6222  $-(5-68*x-68*x^3+5*x^4-354*x^2)/(x-1)/(5*x^4-44*x^3-74*x^2+20*x-3)$  lgdogf  
 A163323 6.86909  $[4*(5*x^4-44*x^3-74*x^2+20*x-3)/(x-1)^5$  ogf]  
 A163345 5.93979  $[(x+1)*(x^4+x^3+x^2+x+1)/(15*x^5-5*x^4-5*x^3-5*x^2-5*x+1)$  ogf]  
 A163346 12.7493  $-1/2*(-1-10*x+(1+8*x+8*x^2)^{(1/2)})/(3+23*x)$  revogf  
 A163346 13.3712  $-(7-46*x+69*x^2)/(-1+3*x)/(23*x^2-10*x+1)$  lgdogf  
 A163346 14.7318  $[-(3*x-1)/(23*x^2-10*x+1)$  ogf]  
 A163346 8.24277  $[{-a(n+2)+10*a(n+1)-23*a(n), a(0) = 1, a(1) = 7}]$ , ogf]  
 A163347 5.72713  $[(x+1)*(x^4+x^3+x^2+x+1)/(21*x^5-6*x^4-6*x^3-6*x^2-6*x+1)$  ogf]  
 A163348 13.1198  $[(x+1)/(7*x^2-6*x+1)$  ogf]  
 A163348 13.4424  $-1/2*(-1-6*x+(1+16*x+8*x^2)^{(1/2)})/(-1+7*x)$  revogf  
 A163348 16.5150  $-7*(-1+2*x+x^2)/(x+1)/(7*x^2-6*x+1)$  lgdogf  
 A163348 7.19987  $[{-a(n+2)+6*a(n+1)-7*a(n), a(0) = 1, a(1) = 7}]$ , ogf]  
 A163349 12.1741  $[-(x-1)/(23*x^2-10*x+1)$  ogf]  
 A163349 12.7319  $-1/2*(-1-10*x+(1+16*x+8*x^2)^{(1/2)})/(1+23*x)$  revogf  
 A163349 14.7421  $-(9-46*x+23*x^2)/(x-1)/(23*x^2-10*x+1)$  lgdogf  
 A163349 6.81171  $[{-a(n+2)+10*a(n+1)-23*a(n), a(0) = 1, a(1) = 9}]$ , ogf]  
 A163350 12.6414  $[-(2*x-1)/(14*x^2-8*x+1)$  ogf]  
 A163350 13.8860  $-1/4*(-1-8*x+(1+8*x+8*x^2)^{(1/2)})/(1+7*x)$  revogf  
 A163350 13.8860  $-2*(3-14*x+14*x^2)/(2*x-1)/(14*x^2-8*x+1)$  lgdogf  
 A163350 7.00606  $[{-a(n+2)+8*a(n+1)-14*a(n), a(0) = 1, a(1) = 6}]$ , ogf]  
 A163383 11.3163  $[(8*x^2-8*x+1)/(x-1)/(2*x-1)^2$  ogf]  
 A163383 13.6039  $-(3+6*x+16*x^3-24*x^2)/(x-1)/(2*x-1)/(1+8*x^2-8*x)$  lgdogf  
 A163383 6.10881  $[{-a(n+3)+5*a(n+2)-8*a(n+1)+4*a(n), a(0) = -1, a(1) = 3, a(2) = 15}]$ , ogf]  
 A163391 6.02083  $[(x+1)*(x^4+x^3+x^2+x+1)/(28*x^5-7*x^4-7*x^3-7*x^2-7*x+1)$  ogf]  
 A163397 5.62908  $[(x+1)*(x^4+x^3+x^2+x+1)/(36*x^5-8*x^4-8*x^3-8*x^2-8*x+1)$  ogf]  
 A163403 12.2827  $[{a(n+2)-2*a(n), a(0) = 1, a(1) = 2}]$ , ogf]

A163403 19.1730 [  $-(2*x+1)/(2*x^2-1)$  ogf]  
A163403 22.6778  $-2*(1+2*x+2*x^2)/(2*x+1)/(2*x^2-1)$  lgdogf  
A163403 22.6778  $1/4*(-1+(1+8*x+8*x^2)^(1/2))/(1+x)$  revogf  
A163404 5.44070 [  $(x+1)*(x^4+x^3+x^2+x+1)/(45*x^5-9*x^4-9*x^3-9*x^2-9*x+1)$  ogf]  
A163412 12.9390 [  $-(2*x-1)/(34*x^2-12*x+1)$  ogf]  
A163412 13.5489  $-1/4*(-1-12*x+(1+16*x+8*x^2)^(1/2))/(1+17*x)$  revogf  
A163412 14.1941  $-2*(5-34*x+34*x^2)/(2*x-1)/(34*x^2-12*x+1)$  lgdogf  
A163412 7.15451 [  $\{-a(n+2)+12*a(n+1)-34*a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A163413 12.2163 [  $-(3*x-1)/(47*x^2-14*x+1)$  ogf]  
A163413 12.7815  $-1/2*(-1-14*x+(1+16*x+8*x^2)^(1/2))/(3+47*x)$  revogf  
A163413 13.0788  $-(11-94*x+141*x^2)/(-1+3*x)/(47*x^2-14*x+1)$  lgdogf  
A163413 6.75489 [  $\{-a(n+2)+14*a(n+1)-47*a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
A163414 12.7801 [  $-(4*x-1)/(62*x^2-16*x+1)$  ogf]  
A163414 13.3838  $-1/4*(-16*x-1+(1+16*x+8*x^2)^(1/2))/(2+31*x)$  revogf  
A163414 13.6951  $-4*(3-31*x+62*x^2)/(-1+4*x)/(62*x^2-16*x+1)$  lgdogf  
A163414 7.06666 [  $\{-a(n+2)+16*a(n+1)-62*a(n), a(0) = 1, a(1) = 12\}$ , ogf]  
A163415 11.8075 [  $-(5*x-1)/(79*x^2-18*x+1)$  ogf]  
A163415 12.3498  $-1/2*(-1-18*x+(1+16*x+8*x^2)^(1/2))/(5+79*x)$  revogf  
A163415 12.6370  $-(13-158*x+395*x^2)/(5*x-1)/(79*x^2-18*x+1)$  lgdogf  
A163415 6.52884 [  $\{-a(n+2)+18*a(n+1)-79*a(n), a(0) = 1, a(1) = 13\}$ , ogf]  
A163416 11.1397  $-1/4*(-1-20*x+(1+16*x+8*x^2)^(1/2))/(3+49*x)$  revogf  
A163416 11.3987  $-14*(1-14*x+42*x^2)/(6*x-1)/(98*x^2-20*x+1)$  lgdogf  
A163416 17.0364 [  $-(6*x-1)/(98*x^2-20*x+1)$  ogf]  
A163416 9.42011 [  $\{-a(n+2)+20*a(n+1)-98*a(n), a(0) = 1, a(1) = 14\}$ , ogf]  
A163417 10.5813  $-x*(-2-12*x^4+2*x^5+20*x^2-7*x^3-4*x)/(x-1)/(2*x^2-1)/(x^4-4*x^3+3*x-1)$  lgdogf  
A163417 8.44274 [  $-(x^4-4*x^3+3*x-1)/(2*x^2-1)/(x-1)^3$  ogf]  
A163432 5.23539 [  $(x+1)*(x^4+x^3+x^2+x+1)/(55*x^5-10*x^4-10*x^3-10*x^2-10*x+1)$  ogf]  
A163433 12.1698 [  $2*x*(x^2-5*x-2)/(x-1)^3$  ogf]  
A163433 24.7433  $-(11-8*x+x^2)/(x-1)/(x^2-5*x-2)$  lgdogf  
A163433 6.03914 [  $\{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 0, a(1) = 4, a(2) = 22, a(3) = 52\}$ , ogf]  
A163434 10.4605  $-2*(35+215*x-5*x^3+x^4+114*x^2)/(x-1)/(2*x^4-9*x^3+85*x^2+65*x+1)$  lgdogf  
A163434 6.83398 [  $-x*(2*x^4-9*x^3+85*x^2+65*x+1)/(x-1)^5$  ogf]  
A163435 4.78167 [  $2*x^2*(x^5-7*x^4-30*x^3-574*x^2-539*x-51)/(x-1)^7$  ogf]  
A163435 7.83495  $-2*(-448-2191*x+x^5-74*x^3-8*x^4-1480*x^2)/(x-1)/(x^5-7*x^4-30*x^3-574*x^2-539*x-51)$  lgdogf  
A163438 4.73092 [  $(x+1)*(x^4+x^3+x^2+x+1)/(66*x^5-11*x^4-11*x^3-11*x^2-11*x+1)$  ogf]  
A163439 4.83784 [  $(x+1)*(x^4+x^3+x^2+x+1)/(78*x^5-12*x^4-12*x^3-12*x^2-12*x+1)$  ogf]  
A163440 4.97148 [  $(x+1)*(x^4+x^3+x^2+x+1)/(91*x^5-13*x^4-13*x^3-13*x^2-13*x+1)$  ogf]  
A163441 5.00446 [  $(x+1)*(x^4+x^3+x^2+x+1)/(105*x^5-14*x^4-14*x^3-14*x^2-14*x+1)$  ogf]  
A163444 12.7478 [  $-(4*x-1)/(34*x^2-12*x+1)$  ogf]  
A163444 13.6550  $-1/4*(-1-12*x+(1+8*x+8*x^2)^(1/2))/(2+17*x)$  revogf  
A163444 13.6550  $-4*(2-17*x+34*x^2)/(-1+4*x)/(34*x^2-12*x+1)$  lgdogf  
A163444 7.13269 [  $\{-a(n+2)+12*a(n+1)-34*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A163445 13.3214 [  $-(5*x-1)/(47*x^2-14*x+1)$  ogf]  
A163445 14.2820  $-1/2*(-1-14*x+(1+8*x+8*x^2)^(1/2))/(5+47*x)$  revogf  
A163445 14.9787  $-(9-94*x+235*x^2)/(5*x-1)/(47*x^2-14*x+1)$  lgdogf  
A163445 7.45367 [  $\{-a(n+2)+14*a(n+1)-47*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A163446 12.2163 [  $-(6*x-1)/(62*x^2-16*x+1)$  ogf]  
A163446 13.0788  $-1/4*(-16*x-1+(1+8*x+8*x^2)^(1/2))/(3+31*x)$  revogf  
A163446 13.0788  $-2*(5-62*x+186*x^2)/(6*x-1)/(62*x^2-16*x+1)$  lgdogf  
A163446 6.75489 [  $\{-a(n+2)+16*a(n+1)-62*a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A163447 11.8075 [  $-(7*x-1)/(79*x^2-18*x+1)$  ogf]  
A163447 12.6370  $-(11-158*x+553*x^2)/(7*x-1)/(79*x^2-18*x+1)$  lgdogf

A163447 12.6370  $-1/2*(-1-18*x+(1+8*x+8*x^2)^{(1/2)})/(7+79*x)$  revogf  
A163447 6.52884  $[{-a(n+2)+18*a(n+1)-79*a(n), a(0) = 1, a(1) = 11}]$ , ogf]  
A163448 11.9305  $[ -(8*x-1)/(98*x^2-20*x+1)$  ogf]  
A163448 12.7714  $-1/4*(-1-20*x+(1+8*x+8*x^2)^{(1/2)})/(4+49*x)$  revogf  
A163448 12.7714  $-4*(28*x-3)*(7*x-1)/(8*x-1)/(98*x^2-20*x+1)$  lgdogf  
A163448 6.59685  $[{-a(n+2)+20*a(n+1)-98*a(n), a(0) = 1, a(1) = 12}]$ , ogf]  
A163449 10.1663  $[ (800*x^2-99*x+1)/(100*x-1)/(10*x-1)$  ogf]  
A163449 10.8806  $(11-400*x+11000*x^2)/(100*x-1)/(10*x-1)/(800*x^2-99*x+1)$  lgdogf  
A163449 5.58687  $[{a(n+3)-110*a(n+2)+1000*a(n+1), a(0) = 1, a(1) = 11, a(2) = 1010}]$ , ogf]  
A163450 10.5562  $(11-400*x+11000*x^2)/(100*x-1)/(10*x-1)/(800*x^2-99*x+1)$  lgdogf  
A163450 5.14279  $[{a(n+3)-110*a(n+2)+1000*a(n+1), a(0) = 100, a(1) = 1100, a(2) = 101000}]$ , ogf]  
A163450 8.98069  $[ 100*(800*x^2-99*x+1)/(100*x-1)/(10*x-1)$  ogf]  
A163451 5.13685  $[ (x+1)*(x^4+x^3+x^2+x+1)/(120*x^5-15*x^4-15*x^3-15*x^2-15*x+1)$  ogf]  
A163452 5.21628  $[ (x+1)*(x^4+x^3+x^2+x+1)/(136*x^5-16*x^4-16*x^3-16*x^2-16*x+1)$  ogf]  
A163453 4.63826  $[ (x+1)*(x^4+x^3+x^2+x+1)/(153*x^5-17*x^4-17*x^3-17*x^2-17*x+1)$  ogf]  
A163454 4.69008  $[ (x+1)*(x^4+x^3+x^2+x+1)/(171*x^5-18*x^4-18*x^3-18*x^2-18*x+1)$  ogf]  
A163455 21.5570  $256*x*(1+x)^4/(5*x+4)^5$  revogf  
A163456 25.4628  $x*(1+4*x)^4/(1+5*x)^5$  revogf  
A163458 12.5566  $[ -(5*x-1)/(34*x^2-12*x+1)$  ogf]  
A163458 13.4460  $-1/2*(-1-12*x+(1+4*x+8*x^2)^{(1/2)})/(5+34*x)$  revogf  
A163458 14.1019  $-(7-68*x+170*x^2)/(5*x-1)/(34*x^2-12*x+1)$  lgdogf  
A163458 7.02570  $[{a(n+2)-12*a(n+1)+34*a(n), a(0) = 1, a(1) = 7}]$ , ogf]  
A163459 13.1940  $[ -(6*x-1)/(47*x^2-14*x+1)$  ogf]  
A163459 14.1426  $-1/2*(-1-14*x+(1+4*x+8*x^2)^{(1/2)})/(6+47*x)$  revogf  
A163459 14.1426  $-2*(4-47*x+141*x^2)/(6*x-1)/(47*x^2-14*x+1)$  lgdogf  
A163459 7.38233  $[{a(n+2)-14*a(n+1)+47*a(n), a(0) = 1, a(1) = 8}]$ , ogf]  
A163460 12.1536  $[ -(7*x-1)/(62*x^2-16*x+1)$  ogf]  
A163460 13.0103  $-1/2*(-16*x-1+(1+4*x+8*x^2)^{(1/2)})/(7+62*x)$  revogf  
A163460 13.3201  $-(9-124*x+434*x^2)/(7*x-1)/(62*x^2-16*x+1)$  lgdogf  
A163460 6.80025  $[{a(n+2)-16*a(n+1)+62*a(n), a(0) = 1, a(1) = 9}]$ , ogf]  
A163461 11.8075  $[ -(8*x-1)/(79*x^2-18*x+1)$  ogf]  
A163461 12.6370  $-1/2*(-1-18*x+(1+4*x+8*x^2)^{(1/2)})/(8+79*x)$  revogf  
A163461 12.6370  $-2*(5-79*x+316*x^2)/(8*x-1)/(79*x^2-18*x+1)$  lgdogf  
A163461 6.52884  $[{a(n+2)-18*a(n+1)+79*a(n), a(0) = 1, a(1) = 10}]$ , ogf]  
A163462 11.8075  $[ -(9*x-1)/(98*x^2-20*x+1)$  ogf]  
A163462 12.6370  $-(11-196*x+882*x^2)/(9*x-1)/(98*x^2-20*x+1)$  lgdogf  
A163462 12.6370  $-1/2*(-1-20*x+(1+4*x+8*x^2)^{(1/2)})/(9+98*x)$  revogf  
A163462 6.52884  $[{a(n+2)-20*a(n+1)+98*a(n), a(0) = 1, a(1) = 11}]$ , ogf]  
A163470 11.9829  $[ -3*(3*x-1)/(13*x^2-8*x+1)$  ogf]  
A163470 12.2553  $-1/2*(-3-8*x+(9+12*x+12*x^2)^{(1/2)})/(9+13*x)$  revogf  
A163470 13.4808  $-(5-26*x+39*x^2)/(-1+3*x)/(13*x^2-8*x+1)$  lgdogf  
A163470 6.56207  $[{a(n+2)-8*a(n+1)+13*a(n), a(0) = 3, a(1) = 15}]$ , ogf]  
A163471 12.3574  $[ -3*(4*x-1)/(22*x^2-10*x+1)$  ogf]  
A163471 12.9149  $-1/4*(-3-10*x+(9+12*x+12*x^2)^{(1/2)})/(6+11*x)$  revogf  
A163471 13.5156  $-2*(3-22*x+44*x^2)/(-1+4*x)/(22*x^2-10*x+1)$  lgdogf  
A163471 6.97829  $[{a(n+2)-10*a(n+1)+22*a(n), a(0) = 3, a(1) = 18}]$ , ogf]  
A163472 13.1063  $[ -3*(5*x-1)/(33*x^2-12*x+1)$  ogf]  
A163472 13.7138  $-1/6*(-3-12*x+(9+12*x+12*x^2)^{(1/2)})/(5+11*x)$  revogf  
A163472 15.0517  $-(7-66*x+165*x^2)/(5*x-1)/(33*x^2-12*x+1)$  lgdogf  
A163472 7.40121  $[{a(n+2)-12*a(n+1)+33*a(n), a(0) = 3, a(1) = 21}]$ , ogf]  
A163473 12.2685  $[ -3*(6*x-1)/(46*x^2-14*x+1)$  ogf]  
A163473 12.8247  $-1/4*(-3-14*x+(9+12*x+12*x^2)^{(1/2)})/(9+23*x)$  revogf  
A163473 13.7407  $-4*(2-23*x+69*x^2)/(6*x-1)/(46*x^2-14*x+1)$  lgdogf  
A163473 6.92809  $[{a(n+2)-14*a(n+1)+46*a(n), a(0) = 3, a(1) = 24}]$ , ogf]  
A163474 11.5615  $[ -3*(7*x-1)/(61*x^2-16*x+1)$  ogf]

A163474 11.8128  $-1/2*(-3-16*x+(9+12*x+12*x^2)^{(1/2)})/(21+61*x)$  revogf  
A163474 12.9378  $-(9-122*x+427*x^2)/(7*x-1)/(61*x^2-16*x+1)$  lgdogf  
A163474 6.52884  $[{a(n+2)-16*a(n+1)+61*a(n), a(0) = 3, a(1) = 27}], ogf]$   
A163475 11.5615  $[-3*(8*x-1)/(78*x^2-18*x+1)] ogf]$   
A163475 11.8128  $-1/12*(-3-18*x+(9+12*x+12*x^2)^{(1/2)})/(4+13*x)$  revogf  
A163475 12.6370  $-2*(5-78*x+312*x^2)/(8*x-1)/(78*x^2-18*x+1)$  lgdogf  
A163475 6.52884  $[{a(n+2)-18*a(n+1)+78*a(n), a(0) = 3, a(1) = 30}], ogf]$   
A163476 10.6836  $[-3*(9*x-1)/(97*x^2-20*x+1)] ogf]$   
A163476 10.9017  $-1/2*(-3-20*x+(9+12*x+12*x^2)^{(1/2)})/(27+97*x)$  revogf  
A163476 11.6623  $-(11-194*x+873*x^2)/(9*x-1)/(97*x^2-20*x+1)$  lgdogf  
A163476 6.03307  $[{a(n+2)-20*a(n+1)+97*a(n), a(0) = 3, a(1) = 33}], ogf]$   
A163495 5.56516  $[x*(3*x^{13}+3*x^{12}-3*x^{10}-4*x^9-3*x^8-x^7+x^6+2*x^5+x^4-x^3-2*x^2-2*x-1)/(3*x^{15}-1)] ogf]$   
A163503 4.76782  $[(x+1)*(x^4+x^3+x^2+x+1)/(190*x^5-19*x^4-19*x^3-19*x^2-19*x+1)] ogf]$   
A163514 4.79373  $[(x+1)*(x^4+x^3+x^2+x+1)/(210*x^5-20*x^4-20*x^3-20*x^2-20*x+1)] ogf]$   
A163518 4.92329  $[(x+1)*(x^4+x^3+x^2+x+1)/(231*x^5-21*x^4-21*x^3-21*x^2-21*x+1)] ogf]$   
A163519 4.94921  $[(x+1)*(x^4+x^3+x^2+x+1)/(253*x^5-22*x^4-22*x^3-22*x^2-22*x+1)] ogf]$   
A163522 11.1936  $(-4-14*x+18*x^5-36*x^3+9*x^4-31*x^2)/(x-1)/(x+1)/(9*x^4+9*x^3+5*x^2+4*x+2)$  lgdogf  
A163522 13.0022  $[-(9*x^4+9*x^3+5*x^2+4*x+2)/(x-1)/(x+1)] ogf]$   
A163525 5.00103  $[(x+1)*(x^4+x^3+x^2+x+1)/(276*x^5-23*x^4-23*x^3-23*x^2-23*x+1)] ogf]$   
A163526 5.05285  $[(x+1)*(x^4+x^3+x^2+x+1)/(300*x^5-24*x^4-24*x^3-24*x^2-24*x+1)] ogf]$   
A163527 5.10467  $[(x+1)*(x^4+x^3+x^2+x+1)/(325*x^5-25*x^4-25*x^3-25*x^2-25*x+1)] ogf]$   
A163548 5.18241  $[(x+1)*(x^4+x^3+x^2+x+1)/(351*x^5-26*x^4-26*x^3-26*x^2-26*x+1)] ogf]$   
A163549 5.20833  $[(x+1)*(x^4+x^3+x^2+x+1)/(378*x^5-27*x^4-27*x^3-27*x^2-27*x+1)] ogf]$   
A163551 4.70042  $[(-24*x^{16}-24*x^{15}+61*x^{14}+11*x^{13}-24*x^{12}-8*x^3+4*x^2+4*x-2)/(24*x^{16}-24*x^{15}-13*x^{14}+13*x^{13}+8*x^3-4*x^2-4*x+2)] ogf\_with\_Euler\_transform]$   
A163552 5.26015  $[(x+1)*(x^4+x^3+x^2+x+1)/(406*x^5-28*x^4-28*x^3-28*x^2-28*x+1)] ogf]$   
A163564 5.28606  $[(x+1)*(x^4+x^3+x^2+x+1)/(435*x^5-29*x^4-29*x^3-29*x^2-29*x+1)] ogf]$   
A163565 5.28606  $[(x+1)*(x^4+x^3+x^2+x+1)/(465*x^5-30*x^4-30*x^3-30*x^2-30*x+1)] ogf]$   
A163567 5.46744  $[(x+1)*(x^4+x^3+x^2+x+1)/(496*x^5-31*x^4-31*x^3-31*x^2-31*x+1)] ogf]$   
A163581 13.6469  $[x^{21}-x^{20}+x^2 ogf\_with\_Euler\_transform]$   
A163581 22.8228  $3*x^2*(1+7*x^{15})/(1-x^3+7*x^{15})$  lgdogf  
A163584 4.95628  $[-x*(x^{19}+x^{16}+x^{13}+x^9+x^6+x^3+1)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)] ogf]$   
A163593 5.46744  $[(x+1)*(x^4+x^3+x^2+x+1)/(528*x^5-32*x^4-32*x^3-32*x^2-32*x+1)] ogf]$   
A163600 5.46744  $[(x+1)*(x^4+x^3+x^2+x+1)/(561*x^5-33*x^4-33*x^3-33*x^2-33*x+1)] ogf]$   
A163601 5.51927  $[(x+1)*(x^4+x^3+x^2+x+1)/(595*x^5-34*x^4-34*x^3-34*x^2-34*x+1)] ogf]$   
A163604 15.9501  $[-(8*x-3)/(14*x^2-8*x+1)] ogf]$   
A163604 17.1705  $-1/4*(-3-8*x+(9+16*x+8*x^2)^{(1/2)})/(4+7*x)$  revogf  
A163604 17.5893  $-4*(4-21*x+28*x^2)/(8*x-3)/(14*x^2-8*x+1)$  lgdogf  
A163604 8.73458  $[{a(n+2)-8*a(n+1)+14*a(n), a(0) = 3, a(1) = 16}], ogf]$   
A163605 12.1701  $[-(11*x-3)/(23*x^2-10*x+1)] ogf]$   
A163605 12.7152  $-1/2*(-3-10*x+(9+16*x+8*x^2)^{(1/2)})/(11+23*x)$  revogf

A163605 13.0042  $-(19-138*x+253*x^2)/(11*x-3)/(23*x^2-10*x+1)$  lgdogf  
A163605 6.87255  $[ \{a(n+2)-10*a(n+1)+23*a(n), a(0) = 3, a(1) = 19\}, ogf]$   
A163606 13.4632  $[ -(5*x-3)/(7*x^2-6*x+1) ogf]$   
A163606 14.1305  $-1/2*(-3-6*x+(9+16*x+8*x^2)^{1/2})/(5+7*x)$  revogf  
A163606 15.2174  $-(13-42*x+35*x^2)/(5*x-3)/(7*x^2-6*x+1)$  lgdogf  
A163606 7.29933  $[ \{a(n+2)-6*a(n+1)+7*a(n), a(0) = 3, a(1) = 13\}, ogf]$   
A163607 15.2541  $[ (x-5)/(x^2+2*x-1) ogf]$   
A163607 16.8276  $1/2/(x-1)*(-5-2*x+(25+16*x+8*x^2)^{1/2})$  revogf  
A163607 21.0345  $-(9-10*x+x^2)/(x-5)/(x^2+2*x-1)$  lgdogf  
A163607 8.37113  $[ \{-a(n+2)+2*a(n+1)+a(n), a(0) = 5, a(1) = 9\}, ogf]$   
A163608 14.1247  $[ -(6*x-5)/(2*x^2-4*x+1) ogf]$   
A163608 15.1926  $-1/4*(-5-4*x+(25+16*x+8*x^2)^{1/2})/(x+3)$  revogf  
A163608 15.9717  $-2*(7-10*x+6*x^2)/(6*x-5)/(2*x^2-4*x+1)$  lgdogf  
A163608 7.65795  $[ \{a(n+2)-4*a(n+1)+2*a(n), a(0) = 5, a(1) = 14\}, ogf]$   
A163609 13.3049  $[ -(11*x-5)/(7*x^2-6*x+1) ogf]$   
A163609 13.6287  $-1/2*(-5-6*x+(25+16*x+8*x^2)^{1/2})/(11+7*x)$  revogf  
A163609 14.9915  $-(19-70*x+77*x^2)/(11*x-5)/(7*x^2-6*x+1)$  lgdogf  
A163609 7.37381  $[ \{a(n+2)-6*a(n+1)+7*a(n), a(0) = 5, a(1) = 19\}, ogf]$   
A163610 13.0202  $[ -(16*x-5)/(14*x^2-8*x+1) ogf]$   
A163610 13.9481  $-1/4*(-5-8*x+(25+16*x+8*x^2)^{1/2})/(8+7*x)$  revogf  
A163610 14.2802  $-4*(6-35*x+56*x^2)/(16*x-5)/(14*x^2-8*x+1)$  lgdogf  
A163610 7.28511  $[ \{a(n+2)-8*a(n+1)+14*a(n), a(0) = 5, a(1) = 24\}, ogf]$   
A163611 12.4198  $[ -(21*x-5)/(23*x^2-10*x+1) ogf]$   
A163611 12.6993  $-1/2*(-5-10*x+(25+16*x+8*x^2)^{1/2})/(21+23*x)$  revogf  
A163611 13.2765  $-(29-230*x+483*x^2)/(21*x-5)/(23*x^2-10*x+1)$  lgdogf  
A163611 7.01353  $[ \{a(n+2)-10*a(n+1)+23*a(n), a(0) = 5, a(1) = 29\}, ogf]$   
A163613 13.9128  $[ (4*x+1)/(2*x^2-4*x+1) ogf]$   
A163613 15.3341  $-1/4*(-1-4*x+(1+24*x+8*x^2)^{1/2})/(x-2)$  revogf  
A163613 16.5774  $-4*(-2+x+2*x^2)/(4*x+1)/(2*x^2-4*x+1)$  lgdogf  
A163613 7.63507  $[ \{-a(n+2)+4*a(n+1)-2*a(n), a(0) = 1, a(1) = 8\}, ogf]$   
A163614 13.2571  $[ (3*x+1)/(7*x^2-6*x+1) ogf]$   
A163614 13.5862  $-1/2*(-1-6*x+(1+24*x+8*x^2)^{1/2})/(-3+7*x)$  revogf  
A163614 14.9797  $-(9+14*x+21*x^2)/(3*x+1)/(7*x^2-6*x+1)$  lgdogf  
A163614 7.27526  $[ \{-a(n+2)+6*a(n+1)-7*a(n), a(0) = 1, a(1) = 9\}, ogf]$   
A163615 13.1047  $[ (2*x+1)/(14*x^2-8*x+1) ogf]$   
A163615 13.7357  $-1/4*(-1-8*x+(1+24*x+8*x^2)^{1/2})/(-1+7*x)$  revogf  
A163615 14.0628  $-2*(-5+14*x+14*x^2)/(2*x+1)/(14*x^2-8*x+1)$  lgdogf  
A163615 7.17637  $[ \{-a(n+2)+8*a(n+1)-14*a(n), a(0) = 1, a(1) = 10\}, ogf]$   
A163616 12.3654  $[ (x+1)/(23*x^2-10*x+1) ogf]$   
A163616 12.6486  $-1/2*(-1-10*x+(1+24*x+8*x^2)^{1/2})/(-1+23*x)$  revogf  
A163616 14.2297  $-(11+46*x+23*x^2)/(x+1)/(23*x^2-10*x+1)$  lgdogf  
A163616 6.83732  $[ \{-a(n+2)+10*a(n+1)-23*a(n), a(0) = 1, a(1) = 11\}, ogf]$   
A163633 4.85915  $[ (8*x^13-18*x^12+10*x^11-10*x^8+16*x^7-16*x^6+16*x^5-16*x^4+16*x^3-11*x^2+8*x-5)/(x-1)^3 ogf]$   
A163645 4.80869  $[ (x+1)*(x^4+x^3+x^2+x+1)/(630*x^5-35*x^4-35*x^3-35*x^2-35*x+1) ogf]$   
A163650 15.7393  $-2*x*(-1+3*x^2-8*x)/(x-1)/(3*x+1)/(2*x^2-3*x-1)$  lgdogf  
A163655 10.2690  $[ x*(5*x^2-9*x+10)/(x-1)^4 ogf]$   
A163655 19.7064  $-(31-17*x+10*x^2)/(x-1)/(5*x^2-9*x+10)$  lgdogf  
A163655 3.70687  $[ \{(30+10*n)*a(n+4)+(-69-19*n)*a(n+3)+(31+14*n)*a(n+2)+(-10-5*n)*a(n+1), a(0) = 0, a(1) = 10, a(2) = 31, a(3) = 69\}, ogf]$   
A163660 4.80869  $[ (x+1)*(x^4+x^3+x^2+x+1)/(666*x^5-36*x^4-36*x^3-36*x^2-36*x+1) ogf]$   
A163661 10.1813  $[ x*(7*x^2-13*x+12)/(x-1)^4 ogf]$   
A163661 19.2957  $-(35-25*x+14*x^2)/(x-1)/(7*x^2-13*x+12)$  lgdogf  
A163661 3.72487  $[ \{(36+12*n)*a(n+4)+(-85-25*n)*a(n+3)+(45+20*n)*a(n+2)+(-14-7*n)*a(n+1), a(0) = 0, a(1) = 12, a(2) = 35, a(3) = 75\}, ogf]$   
A163662 11.1040  $-1/200*(-101*x-10+(121*x+10)^{1/2}*(81*x+10)^{1/2})/x$  revogf  
A163662 15.7649  $[ 10/(100*x-1)/(x-1) ogf]$   
A163662 20.2935  $-(101+200*x)/(100*x-1)/(x-1)$  lgdogf



A163662 6.65630 [  $\{-a(n+2)+101*a(n+1)-100*a(n), a(0) = 10, a(1) = 1010\}$ , ogf]  
A163663 14.7096  $-1/200*(-10-11*x+(100+220*x+81*x^2)^{(1/2)})/x$  revogf  
A163663 14.8943 [  $100*x/(100*x-1)/(10*x-1)$  ogf]  
A163663 19.0360  $-10*(-11+200*x)/(100*x-1)/(10*x-1)$  lgdogf  
A163663 7.44714 [  $\{a(n+2)-110*a(n+1)+1000*a(n), a(0) = 0, a(1) = 100\}$ , ogf]  
A163664 10.9729  $-10*(101-2200*x+20000*x^2)/(-11+200*x)/(100*x-1)/(10*x-1)$  lgdogf  
A163664 11.5639 [  $-10*(200*x-11)/(100*x-1)/(10*x-1)$  ogf]  
A163664 13.0304  $-1/200*(-11-11*x+(121+162*x+81*x^2)^{(1/2)})/(x+2)$  revogf  
A163664 6.83885 [  $\{a(n+2)-110*a(n+1)+1000*a(n), a(0) = 110, a(1) = 10100\}$ , ogf]  
A163668 4.85931 [  $(x+1)*(x^4+x^3+x^2+x+1)/(703*x^5-37*x^4-37*x^3-37*x^2-37*x+1)$  ogf]  
A163669 4.88462 [  $(x+1)*(x^4+x^3+x^2+x+1)/(741*x^5-38*x^4-38*x^3-38*x^2-38*x+1)$  ogf]  
A163673 17.1287  $-3*(11-7*x+4*x^2)/(x-1)/(6*x^2-11*x+11)$  lgdogf  
A163673 9.05137 [  $x*(6*x^2-11*x+11)/(x-1)^4$  ogf]  
A163675 10.5465 [  $x*(8*x^2-15*x+13)/(x-1)^4$  ogf]  
A163675 19.9961  $-(37-29*x+16*x^2)/(x-1)/(8*x^2-15*x+13)$  lgdogf  
A163675 3.85849 [  $\{(39+13*n)*a(n+4)+(-93-28*n)*a(n+3)+(52+23*n)*a(n+2)+(-16-8*n)*a(n+1), a(0) = 0, a(1) = 13, a(2) = 37, a(3) = 78\}$ , ogf]  
A163677 4.93523 [  $(x+1)*(x^4+x^3+x^2+x+1)/(780*x^5-39*x^4-39*x^3-39*x^2-39*x+1)$  ogf]  
A163683 11.2425 [  $-x*(3*x^2-8*x-7)/(x-1)^4$  ogf]  
A163683 23.1302  $-6*(-6-3*x+x^2)/(x-1)/(3*x^2-8*x-7)$  lgdogf  
A163683 4.08308 [  $\{(-21-7*n)*a(n+4)+(34-n)*a(n+3)+(29+11*n)*a(n+2)+(-6-3*n)*a(n+1), a(0) = 0, a(1) = 7, a(2) = 36, a(3) = 99\}$ , ogf]  
A163685 9.16271  $(3-2*x-2*x^2*x^6+x^8+10*x^5+4*x^3-7*x^4+2*x^2)/(x^2-x+1)/(x^2+x-1)/(x^5-x^4-x^3-x-1)$  lgdogf  
A163685 9.70727 [  $(x^5-x^4-x^3-x-1)/(x^2-x+1)/(x^2+x-1)$  ogf]  
A163686 3.88709 [  $(2*x^{11}+3*x^{10}-2*x^9-6*x^8-4*x^7+2*x^6+4*x^5-10*x^4+6*x^3-2*x^2-1)/(x^3+x^2-x+1)/(x^4+2*x-1)/(x-1)^2$  ogf]  
A163695 14.5118 [  $(x-2)*(x+1)^2/(x^2+x-1)$  ogf]  
A163695 21.5624  $(5-x+x^3+x^2)/(x-2)/(x+1)/(x^2+x-1)$  lgdogf  
A163695 6.68805 [  $\{a(n+4)-a(n+3)-a(n+2), a(0) = 2, a(1) = 5, a(2) = 7, a(3) = 11\}$ , ogf]  
A163696 5.00069  $(-11-3*x^{10}-7*x^{11}+4*x^{12}-35*x^5-18*x^3+29*x^4-6*x^2-31*x^7+21*x+73*x^6-30*x^8+30*x^9)/(x-1)/(x^4+2*x-1)/(2*x^8+x^7-5*x^6-x^4+x^2+x-3)$  lgdogf  
A163696 5.84241 [  $(2*x^8+x^7-5*x^6-x^4+x^2+x-3)/(x^4+2*x-1)/(x-1)^2$  ogf]  
A163704 12.7244  $(5-3*x+3*x^3-7*x^2)/(x-1)/(x^2+x-1)/(x^4-x^3-2*x^2+2*x+1)$  lgdogf  
A163704 8.70015 [  $-(x^4-x^3-2*x^2+2*x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A163705 3.99867 [  $-(2*x^{10}+2*x^9-4*x^8-4*x^7-2*x^6+3*x^5+6*x^4-8*x^3-x^2+x+1)/(x^2+x-1)/(x^4+2*x-1)/(x-1)^3$  ogf]  
A163714 14.1988 [  $(x+1)*(x^2-x-3)/(x^2+x-1)$  ogf]  
A163714 15.7065  $(7+6*x+2*x^3+x^4+x^2)/(x+1)/(x^2-x-3)/(x^2+x-1)$  lgdogf  
A163714 6.48741 [  $\{a(n+4)-a(n+3)-a(n+2), a(0) = 3, a(1) = 7, a(2) = 10, a(3) = 16\}$ , ogf]  
A163715 4.93566 [  $(x+1)*(2*x^7-x^6-7*x^5+10*x^4-6*x^3-3*x^2+9*x-6)/(x^4+2*x-1)/(x-1)^2$  ogf]  
A163723 10.7544  $-(-7+x^6+2*x^3-4*x^4+14*x^2)/(x-1)/(x^2+x-1)/(x^4-x^3-2*x^2+3*x+1)$  lgdogf  
A163723 7.78256 [  $(x^4-x^3-2*x^2+3*x+1)/(x^2+x-1)/(x-1)^3$  ogf]  
A163724 3.90608 [  $(2*x^{10}+x^9-5*x^8-x^7+x^6+4*x^4-7*x^3-3*x^2+3*x+1)/(x^2+x-1)/(x^4+2*x-1)/(x-1)^4$  ogf]  
A163733 16.1106  $(1+2*x+2*x^3+x^4-3*x^2)/(x-1)/(x^2+x+1)/(x^2+x-1)$  lgdogf  
A163733 16.4118 [  $(x-1)*(x^2+x+1)/(x^2+x-1)$  ogf]  
A163733 7.05418 [  $\{a(n+4)-a(n+3)-a(n+2), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 2\}$ , ogf]  
A163734 5.18971 [  $(2*x^8+3*x^7-4*x^6-6*x^5-x^4+3*x^3-2*x^2+2*x-1)/(x^4+2*x-1)/(x-1)^2$  ogf]  
A163743 4.93523 [  $(x+1)*(x^4+x^3+x^2+x+1)/(820*x^5-40*x^4-40*x^3-40*x^2-40*x+1)$  ogf]

A163745 4.96054 [  $(x+1)*(x^4+x^3+x^2+x+1)/(861*x^5-41*x^4-41*x^3-41*x^2-41*x+1)$  ogf]  
A163748 4.98585 [  $(x+1)*(x^4+x^3+x^2+x+1)/(903*x^5-42*x^4-42*x^3-42*x^2-42*x+1)$  ogf]  
A163749 5.03647 [  $(x+1)*(x^4+x^3+x^2+x+1)/(946*x^5-43*x^4-43*x^3-43*x^2-43*x+1)$  ogf]  
A163750 13.7292 [  $-x*(7*x^4-9*x^3+x-1)/(x-1)^2$  ogf]  
A163750 17.5965  $(1-x-37*x^3+14*x^4+27*x^2)/(x-1)/(7*x^4-9*x^3+x-1)$  lgdogf  
A163756 101.828  $-3/(x-1)$  lgdogf  
A163756 17.9575 [  $-14*x/(x-1)^3$  ogf]  
A163756 63.1668 [[3] ogf\_with\_Euler\_transform]  
A163756 7.31013 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 14, a(2) = 42\}$ , ogf]  
A163758 101.700  $-3/(x-1)$  lgdogf  
A163758 17.9338 [  $-18*x/(x-1)^3$  ogf]  
A163758 63.0725 [[3] ogf\_with\_Euler\_transform]  
A163758 7.30047 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 18, a(2) = 54\}$ , ogf]  
A163761 17.4978 [  $-20*x/(x-1)^3$  ogf]  
A163761 61.5278 [[3] ogf\_with\_Euler\_transform]  
A163761 7.12298 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 20, a(2) = 60\}$ , ogf]  
A163761 99.2017  $-3/(x-1)$  lgdogf  
A163802 5.03647 [  $(x+1)*(x^4+x^3+x^2+x+1)/(990*x^5-44*x^4-44*x^3-44*x^2-44*x+1)$  ogf]  
A163803 4.98983 [  $(x+1)*(x^4+x^3+x^2+x+1)/(1035*x^5-45*x^4-45*x^3-45*x^2-45*x+1)$  ogf]  
A163804 17.1310 [  $(x^2+1)/(x^2+x+1)$  ogf]  
A163804 25.3852 [  $-x^3+x^2+x-1$  ogf\_with\_Euler\_transform]  
A163804 39.5588  $(x-1)*(x+1)/(1+x^2)/(x^2+x+1)$  lgdogf  
A163804 8.22960 [  $\{-a(n+3)-a(n+2)-a(n+1), a(0) = 1, a(1) = -1, a(2) = 1\}$ , ogf]  
A163805 15.2916 [  $(x^2-x+1)/(x^2+1)$  ogf]  
A163805 18.2377 [  $[-x^5+x^3+x^2-1]$  ogf\_with\_Euler\_transform]  
A163805 37.7131  $(x-1)*(x+1)/(1+x^2)/(x^2-x+1)$  lgdogf  
A163805 9.02757 [  $\{-a(n+3)-a(n+1), a(0) = 1, a(1) = -1, a(2) = 0\}$ , ogf]  
A163806 17.0012 [  $(x^2+1)/(x^2-x+1)$  ogf]  
A163806 20.2767 [  $[x^5-x^3-x^2+1]$  ogf\_with\_Euler\_transform]  
A163806 37.6971  $-(x-1)*(x+1)/(1+x^2)/(x^2-x+1)$  lgdogf  
A163806 8.16725 [  $\{a(n+3)-a(n+2)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
A163810 15.7181 [  $(x-1)^2/(x^2-x+1)$  ogf]  
A163810 25.1923 [  $x^5-x^2-x-1$  ogf\_with\_Euler\_transform]  
A163810 54.2962  $(x+1)/(x-1)/(x^2-x+1)$  lgdogf  
A163810 8.16725 [  $\{-a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = -1, a(2) = -1\}$ , ogf]  
A163811 16.7690  $(x-1)*(x+1)*(x^4+3*x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
A163811 18.0755 [  $-x^9+x^5+x^4-1$  ogf\_with\_Euler\_transform]  
A163811 5.44854 [  $\{-a(n+5)-a(n+3)-a(n+1), a(0) = 1, a(1) = -1, a(2) = 0, a(3) = 0, a(4) = 0\}$ , ogf]  
A163811 9.18041 [  $(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A163812 12.3043 [  $(x^2+x+1)*(x^2-x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A163812 18.1068  $-(x-1)*(x+1)*(x^4+3*x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
A163812 24.2261 [  $x^9-x^5-x^4+1$  ogf\_with\_Euler\_transform]  
A163815 12.5474 [  $2*x*(x+5)/(x-1)^4$  ogf]  
A163815 40.8493  $-3*(7+x)/(x+5)/(x-1)$  lgdogf  
A163815 5.41259 [  $\{(10+5*n)*a(n+3)+(-25-4*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 10, a(2) = 42\}$ , ogf]  
A163817 16.4343  $-(x-1)*(x+1)*(x^4+3*x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A163817 18.0755 [  $[x^5-x^4-x+1]$  ogf\_with\_Euler\_transform]  
A163817 5.44854 [  $\{-a(n+5)-a(n+3)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 0,$

$a(4) = 0$ }, ogf]  
A163817 9.18041 [  $(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A163818 12.3043 [  $(x^2+x+1)*(x^2-x+1)/(x^4+x^3+x^2+x+1)$  ogf]  
A163818 18.5420  $(x-1)*(x+1)*(x^4+3*x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)$   
lgdogf  
A163818 24.2261 [  $[-x^5+x^4+x-1]$  ogf\_with\_Euler\_transform]  
A163827 15.7827  $-(-49-81*x+x^3-15*x^2)/(x-1)/(x^3-9*x^2-21*x-7)$  lgdogf  
A163827 4.13182 [  $\{(-7*n^2-39*n-50)*a(n+1)+(2*n^2-24*n-70)*a(n+2)+(5*n^2+27*n$   
 $+36)*a(n+3), a(0) = 7, a(1) = 49, a(2) = 163\}$ , ogf]  
A163827 9.69388 [  $-(x^3-9*x^2-21*x-7)/(x-1)^4$  ogf]  
A163829 5.09013 [  $(x+1)*(x^4+x^3+x^2+x+1)/(1081*x^5-46*x^4-46*x^3-46*x^2-46*x+1)$   
ogf]  
A163832 10.4386 [  $-2*x*(x+1)*(x-4)/(x-1)^4$  ogf]  
A163832 22.0891  $-(-19-7*x+2*x^2)/(x-1)/(x-4)/(x+1)$  lgdogf  
A163832 3.79114 [  $\{(-12-4*n)*a(n+4)+(21+n)*a(n+3)+(11+4*n)*a(n+2)+(-2-n)*a(n+1),$   
 $a(0) = 0, a(1) = 8, a(2) = 38, a(3) = 102\}$ , ogf]  
A163833 19.0048  $-(-59-17*x+4*x^2)/(x-1)/(2*x^2-7*x-13)$  lgdogf  
A163833 9.90564 [  $-x*(2*x^2-7*x-13)/(x-1)^4$  ogf]  
A163834 16.2905 [  $-(7*x-2)/(4*x-1)/(x-1)$  ogf]  
A163834 17.5620  $-1/2*(-2-5*x+(4-8*x+9*x^2)^{(1/2)})/(7+4*x)$  revogf  
A163834 18.4626  $-(3-16*x+28*x^2)/(x-1)/(-1+4*x)/(7*x-2)$  lgdogf  
A163834 8.93990 [  $\{a(n+2)-5*a(n+1)+4*a(n), a(0) = 2, a(1) = 3\}$ , ogf]  
A163835 5.09013 [  $(x+1)*(x^4+x^3+x^2+x+1)/(1128*x^5-47*x^4-47*x^3-47*x^2-47*x+1)$   
ogf]  
A163837 5.09013 [  $(x+1)*(x^4+x^3+x^2+x+1)/(1176*x^5-48*x^4-48*x^3-48*x^2-48*x+1)$   
ogf]  
A163839 13.3084  $-1/256*(-1-12*x+(1+24*x+16*x^2)^{(1/2)})/x$  revogf  
A163839 13.5164 [  $4*x/(32*x-1)/(16*x-1)$  ogf]  
A163839 17.1722  $-16*(-3+64*x)/(32*x-1)/(16*x-1)$  lgdogf  
A163839 6.43637 [  $\{a(n+2)-48*a(n+1)+512*a(n), a(0) = 0, a(1) = 4\}$ , ogf]  
A163864 12.2058 [  $\{a(n+2)-2*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A163864 19.0530 [  $-(6*x+1)/(2*x^2-1)$  ogf]  
A163864 21.8921  $1/4*(-1+(1+24*x+8*x^2)^{(1/2)})/(x+3)$  revogf  
A163864 22.5360  $-2*(3+2*x+6*x^2)/(6*x+1)/(2*x^2-1)$  lgdogf  
A163865 14.3089  $-2*(2*x-1)*(3*x^2+2*x+1)/(-1+3*x)/(x+1)/(4*x^2+x-1)$  lgdogf  
A163868 15.9363 [  $-15*x-4)/(4*x-1)/(x-1)$  ogf]  
A163868 16.3645  $-1/2*(-4-5*x+(16-20*x+9*x^2)^{(1/2)})/(15+4*x)$  revogf  
A163868 18.0010  $-(5-32*x+60*x^2)/(x-1)/(-1+4*x)/(15*x-4)$  lgdogf  
A163868 8.93990 [  $\{a(n+2)-5*a(n+1)+4*a(n), a(0) = 4, a(1) = 5\}$ , ogf]  
A163869 22.2726  $-(-7+5*x)/(5*x-1)/(x-1)$  lgdogf  
A163869 3.42649 [  $\{(n+3)*a(n+3)+(-19-6*n)*a(n+2)+(10+5*n)*a(n+1), a(0) = 1, a(1)$   
 $= 7, a(2) = 43\}$ , ogf]  
A163872 31.8120  $-(5+3*x)/(x+1)/(-1+3*x)$  lgdogf  
A163872 4.93285 [  $\{(-n-3)*a(n+3)+(9+2*n)*a(n+2)+(6+3*n)*a(n+1), a(0) = 1, a(1) =$   
 $5, a(2) = 19\}$ , ogf]  
A163876 6.36544 [  $(x^2+x+1)*(x^2-x+1)*(x+1)^2/(x^6-x^5-x^4-x^3-x^2-x+1)$  ogf]  
A163877 5.59725 [  $(x^2+x+1)*(x^2-x+1)*(x+1)^2/(3*x^6-2*x^5-2*x^4-2*x^3-2*x^2-2*x$   
 $+1)$  ogf]  
A163878 5.62270 [  $(x^2+x+1)*(x^2-x+1)*(x+1)^2/(6*x^6-3*x^5-3*x^4-3*x^3-3*x^2-3*x$   
 $+1)$  ogf]  
A163888 10.0797  $-1/34*34^{(1/2)}*17^{(1/2)}*(\operatorname{arcsinh}(2/17*34^{(1/2)})-$   
 $\operatorname{arcsinh}(1/17*34^{(1/2)}*(x+2)))$  revegf  
A163888 12.3592 [  $\{-a(n+2)+2*a(n), a(0) = 5, a(1) = 4\}$ , ogf]  
A163888 19.2924 [  $-(4*x+5)/(2*x^2-1)$  ogf]  
A163888 22.8275  $-4*(1+5*x+2*x^2)/(4*x+5)/(2*x^2-1)$  lgdogf  
A163922 5.21286 [  $(x^2+x+1)*(x^2-x+1)*(x+1)^2/$   
 $(10*x^6-4*x^5-4*x^4-4*x^3-4*x^2-4*x+1)$  ogf]  
A163923 5.13440 [  $(x^2+x+1)*(x^2-x+1)*(x+1)^2/$   
 $(15*x^6-5*x^5-5*x^4-5*x^3-5*x^2-5*x+1)$  ogf]  
A163924 4.95057 [  $(x^2+x+1)*(x^2-x+1)*(x+1)^2/$   
 $(21*x^6-6*x^5-6*x^4-6*x^3-6*x^2-6*x+1)$  ogf]

A163927 11.2535  $-(108*x-7)*(36*x-7)/(-1+4*x)/(36*x-1)/(9*x-1)$  lgdogf  
A163927 12.0288  $[-1/(4*x-1)/(36*x-1)/(9*x-1)$  ogf]  
A163927 4.23966  $[{a(n+3)-49*a(n+2)+504*a(n+1)-1296*a(n), a(0) = 1, a(1) = 49, a(2) = 1897},$  ogf]  
A163933 16.4944  $-15*(7+12*x+2*x^2)/(x-1)/(6*x^2+28*x+11)$  lgdogf  
A163933 6.79903  $[-(6*x^2+28*x+11)/(x-1)^7$  ogf]  
A163935 16.7082  $-4*(17+22*x+3*x^2)/(x-1)/(7+12*x+2*x^2)$  lgdogf  
A163935 6.09772  $[5*(2*x^2+12*x+7)/(x-1)^8$  ogf]  
A163941 11.4566  $[1/(2*x-1)/(x-1)/(3*x-1)^2$  ogf]  
A163941 14.9539  $-(9-31*x+24*x^2)/(x-1)/(-1+3*x)/(2*x-1)$  lgdogf  
A163942 10.1309  $-2*(-7+47*x+60*x^3-97*x^2)/(x-1)/(-1+3*x)/(2*x-1)/(-1+4*x)$  lgdogf  
A163942 9.99617  $[-1/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)^2$  ogf]  
A163943 15.9683  $-(17+2*x+2*x^3-6*x^2)/(x-1)/(x^3-3*x^2+2*x+3)$  lgdogf  
A163943 3.75982  $[{(-217*n^2-1599*n-2330)*a(n+1)+(335*n^2+1395*n+142)*a(n+2)+(-118*n^2-192*n+88)*a(n+3), a(0) = 0, a(1) = 3, a(2) = 17},$  ogf]  
A163943 8.01545  $[-x*(x^3-3*x^2+2*x+3)/(x-1)^5$  ogf]  
A163944 5.67825  $[x*(x^5-3*x^4-x^3+13*x^2-21*x-4)/(x-1)^7$  ogf]  
A163944 9.60589  $-(49-100*x+2*x^5-16*x^3-4*x^4+62*x^2)/(x-1)/(x^5-3*x^4-x^3+13*x^2-21*x-4)$  lgdogf  
A163953 5.20445  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(28*x^6-7*x^5-7*x^4-7*x^3-7*x^2-7*x+1)$  ogf]  
A163954 4.86581  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(36*x^6-8*x^5-8*x^4-8*x^3-8*x^2-8*x+1)$  ogf]  
A163955 4.70297  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(45*x^6-9*x^5-9*x^4-9*x^3-9*x^2-9*x+1)$  ogf]  
A163957 4.51180  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(55*x^6-10*x^5-10*x^4-10*x^3-10*x^2-10*x+1)$  ogf]  
A163958 4.07706  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(66*x^6-11*x^5-11*x^4-11*x^3-11*x^2-11*x+1)$  ogf]  
A163959 4.16920  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(78*x^6-12*x^5-12*x^4-12*x^3-12*x^2-12*x+1)$  ogf]  
A163962 4.28437  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(91*x^6-13*x^5-13*x^4-13*x^3-13*x^2-13*x+1)$  ogf]  
A163964 4.31836  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(105*x^6-14*x^5-14*x^4-14*x^3-14*x^2-14*x+1)$  ogf]  
A163965 4.43260  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(120*x^6-15*x^5-15*x^4-15*x^3-15*x^2-15*x+1)$  ogf]  
A163967 4.50115  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(136*x^6-16*x^5-16*x^4-16*x^3-16*x^2-16*x+1)$  ogf]  
A163968 4.00237  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(153*x^6-17*x^5-17*x^4-17*x^3-17*x^2-17*x+1)$  ogf]  
A163969 4.04709  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(171*x^6-18*x^5-18*x^4-18*x^3-18*x^2-18*x+1)$  ogf]  
A163977 4.11417  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(190*x^6-19*x^5-19*x^4-19*x^3-19*x^2-19*x+1)$  ogf]  
A163978 12.0111  $[{-a(n+2)+2*a(n), a(0) = 3, a(1) = 4},$  ogf]  
A163978 13.4617  $1/2*2^(1/2)*(-arcsinh(2*2^(1/2))+arcsinh(2^(1/2)*(x+2)))$  revegef  
A163978 18.7490  $[-(4*x+3)/(2*x^2-1)$  ogf]  
A163978 22.1722  $-4*(x+1)*(2*x+1)/(4*x+3)/(2*x^2-1)$  lgdogf  
A163979 11.7424  $-(3+4*x+5*x^6+8*x^5+22*x^3+8*x^4+4*x^2)/(x-1)/(x^2+x+1)/(5*x^4-x^3+x+1)$  lgdogf  
A163979 9.99432  $[-(5*x^4-x^3+x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A163980 14.6294  $[-(x^2-4*x-1)/(x+1)/(x-1)^2$  ogf]  
A163980 20.3636  $-(5-5*x+x^3-7*x^2)/(x-1)/(x+1)/(x^2-4*x-1)$  lgdogf  
A163980 7.96781  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 5},$  ogf]  
A163985 12.6087  $[-x*(x^3-2*x^2-1)/(x-1)^2$  ogf]  
A163985 19.0950  $(2+4*x+x^3-3*x^2)/(x-1)/(x^3-2*x^2-1)$  lgdogf  
A163988 4.13652  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(210*x^6-20*x^5-20*x^4-20*x^3-20*x^2-20*x+1)$  ogf]  
A163989 7.50950  $[-(18*x^3+x^2+26*x+1)*(x^4+4*x^2+1)/(x-1)^3/(x+1)^3$  ogf]

A163989 8.10819  $2*(-13-8*x-112*x^6+9*x^8-8*x^5-20*x^3-428*x^4-248*x^2)/(x-1)/(x+1)/(18*x^3+x^2+26*x+1)/(x^4+4*x^2+1)$  lgdogf  
A163991 4.24832  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(231*x^6-21*x^5-21*x^4-21*x^3-21*x^2-21*x+1)]$  ogf]  
A163992 4.27069  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(253*x^6-22*x^5-22*x^4-22*x^3-22*x^2-22*x+1)]$  ogf]  
A163993 4.31540  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(276*x^6-23*x^5-23*x^4-23*x^3-23*x^2-23*x+1)]$  ogf]  
A163995 4.36012  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(300*x^6-24*x^5-24*x^4-24*x^3-24*x^2-24*x+1)]$  ogf]  
A164001 11.3526  $[-(x^2+x+1)*(x+1)/(x^3+x^2-1)]$  ogf]  
A164001 13.8996  $-(2+6*x+4*x^3+x^4+8*x^2)/(x+1)/(x^2+x+1)/(x^3+x^2-1)$  lgdogf  
A164001 6.47296  $[{-a(n+4)+a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4}]$ , ogf]  
A164004 11.2538  $[x*(x^3-3*x^2+5*x-5)/(x-1)^3]$  ogf]  
A164004 23.1368  $-2*(-5+2*x)/(x-1)/(x^3-3*x^2+5*x-5)$  lgdogf  
A164004 5.62688  $[{a(n+5)-3*a(n+4)+3*a(n+3)-a(n+2), a(0) = 0, a(1) = 5, a(2) = 10, a(3) = 18, a(4) = 28}]$ , ogf]  
A164005 11.3073  $[x*(2*x^4-4*x^3+7*x-7)/(x-1)^3]$  ogf]  
A164005 15.9549  $2*(7-7*x-4*x^3+x^4+6*x^2)/(x-1)/(2*x^4-4*x^3+7*x-7)$  lgdogf  
A164006 8.16922  $[x*(8*x^6-21*x^5+23*x^4-18*x^3+6*x^2+11*x-11)/(x-1)^3]$  ogf]  
A164006 8.64762  $2*(11-17*x+12*x^6-45*x^5-46*x^3+64*x^4+24*x^2)/(x-1)/(8*x^6-21*x^5+23*x^4-18*x^3+6*x^2+11*x-11)$  lgdogf  
A164007 6.55108  $2*(13-19*x+108*x^6+15*x^8-126*x^5-56*x^3+104*x^4+24*x^2-60*x^7)/(x-1)/(6*x^8-18*x^7+30*x^6-36*x^5+28*x^4-18*x^3+6*x^2+13*x-13)$  lgdogf  
A164007 6.97643  $[x*(6*x^8-18*x^7+30*x^6-36*x^5+28*x^4-18*x^3+6*x^2+13*x-13)/(x-1)^3]$  ogf]  
A164008 5.44855  $[x*(9*x^{11}-19*x^{10}+3*x^9+39*x^8-75*x^7+81*x^6-72*x^5+56*x^4-36*x^3+12*x^2+17*x-17)/(x-1)^3]$  ogf]  
A164009 4.58370  $[x*(24*x^{14}-72*x^{13}+82*x^{12}-45*x^{11}+11*x^{10}-7*x^9+45*x^8-88*x^7+88*x^6-66*x^5+38*x^4-18*x^3+6*x^2+19*x-19)/(x-1)^3]$  ogf]  
A164013 11.7645  $[-3*(x^2+x+1)/(x-1)^3]$  ogf]  
A164013 16.3414  $-(-2*(1+3*x)^{(1/3)}+(1+3*x)^{(2/3)}-x+1)/(x+3)$  revogf  
A164013 28.5202  $[[-x^2+4]]$  ogf\_with\_Euler\_transform]  
A164013 29.2784  $-(x+2)^2/(x-1)/(x^2+x+1)$  lgdogf  
A164013 6.29503  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 12, a(2) = 30}]$ , ogf]  
A164014 7.62395  $-(5+x)/(x-1)/(x+1)$  lgdogf  
A164015 11.5816  $[-5*(x^2+3*x+1)/(x-1)^3]$  ogf]  
A164015 23.4468  $-(6+8*x+x^2)/(x-1)/(x^2+3*x+1)$  lgdogf  
A164015 6.29875  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 30, a(2) = 80}]$ , ogf]  
A164016 11.5581  $[-6*(x^2+4*x+1)/(x-1)^3]$  ogf]  
A164016 22.6469  $-(7+10*x+x^2)/(x-1)/(x^2+4*x+1)$  lgdogf  
A164016 6.23135  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 6, a(1) = 42, a(2) = 114}]$ , ogf]  
A164017 4.40484  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(325*x^6-25*x^5-25*x^4-25*x^3-25*x^2-25*x+1)]$  ogf]  
A164021 12.9815  $[-(14*x-3)/(34*x^2-12*x+1)]$  ogf]  
A164021 13.2854  $-2*(11-102*x+238*x^2)/(14*x-3)/(34*x^2-12*x+1)$  lgdogf  
A164021 13.8893  $-1/4*(-3-12*x+(9+16*x+8*x^2)^{(1/2)})/(7+17*x)$  revogf  
A164021 7.33073  $[{a(n+2)-12*a(n+1)+34*a(n), a(0) = 3, a(1) = 22}]$ , ogf]  
A164025 4.47192  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(351*x^6-26*x^5-26*x^4-26*x^3-26*x^2-26*x+1)]$  ogf]  
A164026 4.49428  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(378*x^6-27*x^5-27*x^4-27*x^3-27*x^2-27*x+1)]$  ogf]  
A164027 4.53900  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/(406*x^6-28*x^5-28*x^4-28*x^3-28*x^2-28*x+1)]$  ogf]  
A164030 4.56135  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/$

$(435x^6-29x^5-29x^4-29x^3-29x^2-29x+1)$  ogf]  
A164031 12.1104  $[-(2x-1)/(23x^2-10x+1)$  ogf]  
A164031 12.6638  $-1/2*(-1-10x+(1+12x+8x^2)^{1/2})/(2+23x)$  revogf  
A164031 13.2668  $-2*(4-23x+23x^2)/(2x-1)/(23x^2-10x+1)$  lgdogf  
A164031 6.77606  $[{-a(n+2)+10a(n+1)-23a(n), a(0) = 1, a(1) = 8}$ }, ogf]  
A164033 13.1198  $[-(3x-2)/(7x^2-6x+1)$  ogf]  
A164033 14.8211  $-(-1-3x+((1+x)*(2x+1))^{1/2})/(3+7x)$  revogf  
A164033 15.2112  $-(9-28x+21x^2)/(3x-2)/(7x^2-6x+1)$  lgdogf  
A164033 7.19987  $[{-a(n+2)+6a(n+1)-7a(n), a(0) = 2, a(1) = 9}$ }, ogf]  
A164034 12.9061  $[-(5x-2)/(14x^2-8x+1)$  ogf]  
A164034 14.5376  $-(-1-4x+((1+x)*(2x+1))^{1/2})/(5+14x)$  revogf  
A164034 14.5376  $-(11-56x+70x^2)/(5x-2)/(14x^2-8x+1)$  lgdogf  
A164034 7.06763  $[{-a(n+2)+8a(n+1)-14a(n), a(0) = 2, a(1) = 11}$ }, ogf]  
A164035 12.2379  $[-(7x-2)/(23x^2-10x+1)$  ogf]  
A164035 13.4095  $-(13-92x+161x^2)/(7x-2)/(23x^2-10x+1)$  lgdogf  
A164035 14.0799  $-(-1-5x+((1+x)*(2x+1))^{1/2})/(7+23x)$  revogf  
A164035 6.76682  $[{-a(n+2)+10a(n+1)-23a(n), a(0) = 2, a(1) = 13}$ }, ogf]  
A164036 4.56135  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/$   
 $(465x^6-30x^5-30x^4-30x^3-30x^2-30x+1)$  ogf]  
A164037 13.6693  $[-(9x-5)/(7x^2-6x+1)$  ogf]  
A164037 14.0175  $-1/2*(-5-6x+(25+24x+8x^2)^{1/2})/(9+7x)$  revogf  
A164037 15.4552  $-7*(3-10x+9x^2)/(9x-5)/(7x^2-6x+1)$  lgdogf  
A164037 7.41105  $[{a(n+2)-6a(n+1)+7a(n), a(0) = 5, a(1) = 21}$ }, ogf]  
A164038 12.4822  $[-(19x-5)/(23x^2-10x+1)$  ogf]  
A164038 12.7644  $-1/2*(-5-10x+(25+24x+8x^2)^{1/2})/(19+23x)$  revogf  
A164038 13.3446  $-(31-230x+437x^2)/(19x-5)/(23x^2-10x+1)$  lgdogf  
A164038 7.04878  $[{a(n+2)-10a(n+1)+23a(n), a(0) = 5, a(1) = 31}$ }, ogf]  
A164039 10.5899  $[-(x^2-3x+1)/(3x-1)/(x-1)^2$  ogf]  
A164039 12.6560  $-(-2+10x+3x^3-15x^2)/(x-1)/(-1+3x)/(x^2-3x+1)$  lgdogf  
A164039 5.76772  $[{a(n+3)-5a(n+2)+7a(n+1)-3a(n), a(0) = 1, a(1) = 2, a(2) = 4}$ }, ogf]  
A164044 10.3677  $[-(x^2-3x+1)/(4x-1)/(x-1)^2$  ogf]  
A164044 12.3944  $-(-3+13x+4x^3-20x^2)/(x-1)/(-1+4x)/(x^2-3x+1)$  lgdogf  
A164044 5.59674  $[{a(n+3)-6a(n+2)+9a(n+1)-4a(n), a(0) = 1, a(1) = 3, a(2) = 10}$ }, ogf]  
A164045 12.0487  $-(-4+16x+5x^3-25x^2)/(x-1)/(5x-1)/(x^2-3x+1)$  lgdogf  
A164045 5.28731  $[{a(n+3)-7a(n+2)+11a(n+1)-5a(n), a(0) = 1, a(1) = 4, a(2) = 18}$ }, ogf]  
A164045 9.72182  $[-(x^2-3x+1)/(5x-1)/(x-1)^2$  ogf]  
A164046 10.0024  $[-(110x^2+9x-11)/(10x-1)/(10x^2-1)$  ogf]  
A164046 5.57513  $[{a(n+3)-10a(n+2)-10a(n+1)+100a(n), a(0) = 11, a(1) = 101, a(2) = 1010}$ }, ogf]  
A164046 9.41391  $-((101+1800x^3+11000x^4-2290x^2)/(10x-1)/(10x^2-1)/$   
 $(110x^2+9x-11)$  lgdogf  
A164049 4.71787  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/$   
 $(496x^6-31x^5-31x^4-31x^3-31x^2-31x+1)$  ogf]  
A164050 4.71787  $[(x^2+x+1)*(x^2-x+1)*(x+1)^2/$   
 $(528x^6-32x^5-32x^4-32x^3-32x^2-32x+1)$  ogf]  
A164051 10.2931  $1/4*\ln(2x+3)-1/2*\operatorname{arctanh}((16x$   
 $+25)^{1/2})-1/4*\ln(3)+1/2*\operatorname{arctanh}(5)$  revegf  
A164051 15.2685  $[-(12x-5)/(4x-1)/(2x-1)$  ogf]  
A164051 15.6736  $-2*(9-40x+48x^2)/(12x-5)/(2x-1)/(-1+4x)$  lgdogf  
A164051 8.46204  $[{a(n+2)-6a(n+1)+8a(n), a(0) = 5, a(1) = 18}$ }, ogf]  
A164053 14.3777  $[(2x+3)/(x-1)/(2x^2-1)$  ogf]  
A164053 15.9014  $-(-5-12x+8x^3+14x^2)/(x-1)/(2x+3)/(2x^2-1)$  lgdogf  
A164053 6.74354  $[{a(n+3)-a(n+2)-2a(n+1)+2a(n), a(0) = 3, a(1) = 5, a(2) = 11}$ }, ogf]  
A164055 4.83426  $[{-a(n+3)+35a(n+2)-35a(n+1)+a(n), a(0) = 1, a(1) = 10, a(2) = 325}$ }, ogf]  
A164055 8.27639  $-2*(5-25x-25x^3+5x^4+264x^2)/(x-1)/(10x^2-25x+1)/(x^2-34x$   
 $+1)$  lgdogf

A164055 8.70166 [  $-(10*x^2-25*x+1)/(x-1)/(x^2-34*x+1)$  ogf]  
A164068 4.71787 [  $(x^2+x+1)*(x^2-x+1)*(x+1)^2/$   
 $(561*x^6-33*x^5-33*x^4-33*x^3-33*x^2-33*x+1)$  ogf]  
A164069 4.76260 [  $(x^2+x+1)*(x^2-x+1)*(x+1)^2/$   
 $(595*x^6-34*x^5-34*x^4-34*x^3-34*x^2-34*x+1)$  ogf]  
A164070 4.14944 [  $(x^2+x+1)*(x^2-x+1)*(x+1)^2/$   
 $(630*x^6-35*x^5-35*x^4-35*x^3-35*x^2-35*x+1)$  ogf]  
A164071 4.14944 [  $(x^2+x+1)*(x^2-x+1)*(x+1)^2/$   
 $(666*x^6-36*x^5-36*x^4-36*x^3-36*x^2-36*x+1)$  ogf]  
A164072 12.7076 [  $-(x-1)/(14*x^2-8*x+1)$  ogf]  
A164072 13.3109  $-1/2*(-1-8*x+(1+12*x+8*x^2)^{(1/2)})/(1+14*x)$  revogf  
A164072 15.4695  $-7*(1-4*x+2*x^2)/(x-1)/(14*x^2-8*x+1)$  lgdogf  
A164072 7.04275 [  $\{-a(n+2)+8*a(n+1)-14*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A164073 12.9490 [  $\{a(n+2)-2*a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A164073 20.2131 [  $-(3*x+1)/(2*x^2-1)$  ogf]  
A164073 21.9892  $1/2/(3+2*x)*(-1+(1+12*x+8*x^2)^{(1/2)})$  revogf  
A164073 25.4250  $-(3+4*x+6*x^2)/(3*x+1)/(2*x^2-1)$  lgdogf  
A164080 11.4947  $-2*(18-35*x+x^3-16*x^2)/(x-1)/(x+1)/(x^2-34*x+1)$  lgdogf  
A164080 4.87011 [  $\{a(n+3)-35*a(n+2)+35*a(n+1)-a(n), a(0) = 0, a(1) = 9, a(2) = 324\}$ , ogf]  
A164080 9.49259 [  $-9*(x+1)*x/(x-1)/(x^2-34*x+1)$  ogf]  
A164084 4.19311 [  $(x^2+x+1)*(x^2-x+1)*(x+1)^2/$   
 $(703*x^6-37*x^5-37*x^4-37*x^3-37*x^2-37*x+1)$  ogf]  
A164085 4.21495 [  $(x^2+x+1)*(x^2-x+1)*(x+1)^2/$   
 $(741*x^6-38*x^5-38*x^4-38*x^3-38*x^2-38*x+1)$  ogf]  
A164090 10.0819  $-(3+2*2^{(1/2)})*(\ln(3/2+2^{(1/2)})-\ln(x+3/2+((x+2)*(x+1))^{(1/2)}))$   
 $(4+3*2^{(1/2)})$  revogf  
A164090 12.2058 [  $\{a(n+2)-2*a(n), a(0) = 2, a(1) = 3\}$ , ogf]  
A164090 19.0530 [  $-(3*x+2)/(2*x^2-1)$  ogf]  
A164090 23.9444  $-(3+8*x+6*x^2)/(3*x+2)/(2*x^2-1)$  lgdogf  
A164091 4.25863 [  $(x^2+x+1)*(x^2-x+1)*(x+1)^2/$   
 $(780*x^6-39*x^5-39*x^4-39*x^3-39*x^2-39*x+1)$  ogf]  
A164093 12.4372 [  $-2*(22*x-19)/(4*x-1)/(x-1)$  ogf]  
A164093 12.4428  $-1/8*(-38-5*x+(1444+204*x+9*x^2)^{(1/2)})/(11+x)$  revogf  
A164093 13.3109  $-(73-152*x+88*x^2)/(x-1)/(22*x-19)/(-1+4*x)$  lgdogf  
A164093 6.87704 [  $\{a(n+2)-5*a(n+1)+4*a(n), a(0) = 38, a(1) = 146\}$ , ogf]  
A164094 15.5674 [  $-(7*x-5)/(2*x-1)/(x-1)$  ogf]  
A164094 17.1700  $-1/2*(-5-3*x+(25+2*x+x^2)^{(1/2)})/(7+2*x)$  revogf  
A164094 17.6102  $-2*(4-10*x+7*x^2)/(7*x-5)/(x-1)/(2*x-1)$  lgdogf  
A164094 8.54310 [  $\{a(n+2)-3*a(n+1)+2*a(n), a(0) = 5, a(1) = 8\}$ , ogf]  
A164095 10.1195  $-1/14*14^{(1/2)}*7^{(1/2)}*(\operatorname{arcsinh}(3/7*14^{(1/2)})-$   
 $\operatorname{arcsinh}(1/7*14^{(1/2)}*(x+3)))$  revogf  
A164095 11.9312 [  $\{-a(n+2)+2*a(n), a(0) = 5, a(1) = 6\}$ , ogf]  
A164095 18.6243 [  $-(6*x+5)/(2*x^2-1)$  ogf]  
A164095 21.3955  $-2*(3+10*x+6*x^2)/(6*x+5)/(2*x^2-1)$  lgdogf  
A164096 14.4817 [  $(6*x+5)/(x-1)/(2*x^2-1)$  ogf]  
A164096 15.3670  $-(-11-20*x+24*x^3+18*x^2)/(6*x+5)/(x-1)/(2*x^2-1)$  lgdogf  
A164096 6.73273 [  $\{a(n+3)-a(n+2)-2*a(n+1)+2*a(n), a(0) = 5, a(1) = 11, a(2) = 21\}$ , ogf]  
A164097 13.6214  $-(x^2+4*x+1)*(x^3-3*x^2-3*x-7)/(x-1)/(x+1)/(x^4-6*x^2-4*x-3)$   
lgdogf  
A164097 9.79822 [  $(x^4-6*x^2-4*x-3)/(x+1)^2/(x-1)^3$  ogf]  
A164110 11.8391 [  $-(24*x-5)/(34*x^2-12*x+1)$  ogf]  
A164110 12.0978  $-1/4*(-5-12*x+(25+24*x+8*x^2)^{(1/2)})/(12+17*x)$  revogf  
A164110 12.6477  $-4*(9-85*x+204*x^2)/(24*x-5)/(34*x^2-12*x+1)$  lgdogf  
A164110 6.68561 [  $\{a(n+2)-12*a(n+1)+34*a(n), a(0) = 5, a(1) = 36\}$ , ogf]  
A164111 10.0873 [  $\{-a(n+2)-4*a(n), a(0) = 1, a(1) = -1\}$ , ogf]  
A164111 15.7461 [  $-(x-1)/(4*x^2+1)$  ogf]  
A164111 18.0736  $-1/2*(-1+(1-4*x-16*x^2)^{(1/2)})/(1+4*x)$  revogf  
A164111 22.1548  $-(-1-8*x+4*x^2)/(x-1)/(4*x^2+1)$  lgdogf  
A164112 4.25863 [  $(x^2+x+1)*(x^2-x+1)*(x+1)^2/$

(820\*x^6-40\*x^5-40\*x^4-40\*x^3-40\*x^2-40\*x+1) ogf]  
 A164113 4.28047 [ (x^2+x+1)\*(x^2-x+1)\*(x+1)^2/  
 (861\*x^6-41\*x^5-41\*x^4-41\*x^3-41\*x^2-41\*x+1) ogf]  
 A164115 13.1443 -(1+2\*x+x^6+2\*x^5+8\*x^3+3\*x^4+3\*x^2)/(x-1)/(x+1)/(x^2+1)/  
 (x^4+x^3+x^2+x+1) lgdogf  
 A164115 15.2507 [ -(x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+1) ogf]  
 A164115 29.9774 [[-x^4+x^3+1] ogf\_with\_Euler\_transform]  
 A164116 12.2435 [ -(x-1)\*(x+1)\*(x^2+1)/(x^4+x^3+x^2+x+1) ogf]  
 A164116 16.0020 (1+2\*x+x^6+2\*x^5+8\*x^3+3\*x^4+3\*x^2)/(x-1)/(x+1)/(x^2+1)/  
 (x^4+x^3+x^2+x+1) lgdogf  
 A164116 24.0664 [[x^4-x^3-1] ogf\_with\_Euler\_transform]  
 A164117 15.2507 [ -(x^4-x^3+x^2-x+1)/(x-1)/(x+1)/(x^2+1) ogf]  
 A164117 16.6395 (1-2\*x+x^6-2\*x^5-8\*x^3+3\*x^4+3\*x^2)/(x-1)/(x+1)/(x^2+1)/(x^4-  
 x^3+x^2-x+1) lgdogf  
 A164117 24.1282 [-x^9+x^4+x^3+x-1 ogf\_with\_Euler\_transform]  
 A164118 12.2435 [ -(x-1)\*(x+1)\*(x^2+1)/(x^4-x^3+x^2-x+1) ogf]  
 A164118 15.0939 -(1-2\*x+x^6-2\*x^5-8\*x^3+3\*x^4+3\*x^2)/(x-1)/(x+1)/(x^2+1)/(x^4-  
 x^3+x^2-x+1) lgdogf  
 A164118 19.3705 [x^9-x^4-x^3-x+1 ogf\_with\_Euler\_transform]  
 A164120 13.9327 [ (2\*x+5)/(x-1)/(2\*x^2-1) ogf]  
 A164120 15.4017 -(-7-20\*x+8\*x^3+26\*x^2)/(2\*x+5)/(x-1)/(2\*x^2-1) lgdogf  
 A164120 6.53479 [{a(n+3)-a(n+2)-2\*a(n+1)+2\*a(n), a(0) = 5, a(1) = 7, a(2) = 17},  
 ogf]  
 A164123 12.8645 [ (3\*x+1)/(x-1)/(3\*x^2-1) ogf]  
 A164123 16.2886 -2\*(-2-3\*x+9\*x^3)/(x-1)/(3\*x+1)/(3\*x^2-1) lgdogf  
 A164123 6.08767 [{a(n+3)-a(n+2)-3\*a(n+1)+3\*a(n), a(0) = 1, a(1) = 4, a(2) = 7},  
 ogf]  
 A164131 13.3197 [ (8\*x^2+15\*x+8)/(x+1)/(x-1)^2 ogf]  
 A164131 16.1988 -(23+55\*x+8\*x^3+38\*x^2)/(x-1)/(x+1)/(8\*x^2+15\*x+8) lgdogf  
 A164131 7.24404 [{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 8, a(1) = 23, a(2) = 39},  
 ogf]  
 A164135 13.3175 [ (7\*x^2+33\*x+7)/(x+1)/(x-1)^2 ogf]  
 A164135 16.1991 -(40+68\*x+7\*x^3+73\*x^2)/(x-1)/(x+1)/(7\*x^2+33\*x+7) lgdogf  
 A164135 7.24284 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 7, a(1) = 40, a(2) = 54},  
 ogf]  
 A164136 16.4689 [ -22\*x/(x-1)^3 ogf]  
 A164136 57.8871 [[3] ogf\_with\_Euler\_transform]  
 A164136 6.70414 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 22, a(2) =  
 66}, ogf]  
 A164136 93.3034 -3/(x-1) lgdogf  
 A164142 11.4187 -2\*(-1+2\*x-12\*x^3+10\*x^4+3\*x^2)/(2\*x-1)/(2\*x^2-1)/(2\*x^2-2\*x+1)  
 lgdogf  
 A164143 15.6887 [ (2\*x^4+2\*x^3-1)/(2\*x-1) ogf]  
 A164143 18.4059 2\*(1+6\*x^4-3\*x^2)/(2\*x-1)/(2\*x^4+2\*x^3-1) lgdogf  
 A164143 4.24722 [{(8\*n^2-32)\*a(n+1)+(2\*n^2+18\*n+16)\*a(n+2)+(-3\*n^2-9\*n)\*a(n+3),  
 a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 6}, ogf]  
 A164156 12.4917 -2\*(-1+2\*x+12\*x^5+4\*x^3-15\*x^4)/(2\*x-1)/(4\*x^5-4\*x^4+2\*x-1)  
 lgdogf  
 A164160 10.5280 -2\*(-1+2\*x+14\*x^6-6\*x^5+4\*x^3-10\*x^4)/(2\*x-1)/(2\*x^3-1)/  
 (2\*x^3-2\*x+1) lgdogf  
 A164161 10.1448 2\*(2\*x^2+2\*x+1)\*(5\*x^4-4\*x^3+2\*x^2-2\*x+1)/(2\*x-1)/  
 (2\*x^6+2\*x^5+2\*x^4-1) lgdogf  
 A164161 12.8819 [ (2\*x^6+2\*x^5+2\*x^4-1)/(2\*x-1) ogf]  
 A164193 12.7308 -2\*(-1+2\*x+14\*x^6-18\*x^5+5\*x^4)/(2\*x-1)/(4\*x^6-4\*x^5+2\*x-1)  
 lgdogf  
 A164195 11.4471 -2\*(-1+2\*x-7\*x^6-12\*x^5+5\*x^4+16\*x^7)/(2\*x-1)/  
 (4\*x^7-4\*x^5+2\*x-1) lgdogf  
 A164200 10.7324 -2\*(-1+2\*x+18\*x^8-12\*x^5+5\*x^4-8\*x^7)/(2\*x-1)/(2\*x^4-2\*x+1)/  
 (2\*x^4-1) lgdogf  
 A164203 10.0039 2\*(1+3\*x^6+14\*x^8+2\*x^5-5\*x^4+4\*x^7)/(2\*x-1)/  
 (2\*x^8+2\*x^7+2\*x^6+2\*x^5-1) lgdogf



A164203 11.2964 [  $(2*x^8+2*x^7+2*x^6+2*x^5-1)/(2*x-1)$  ogf]  
A164229 16.3780  $-2*(1-2*x+12*x^5-5*x^4)/(2*x-1)/(4*x^5-2*x+1)$  lgdogf  
A164246 7.58167  $-2*(-1+2*x+14*x^6+18*x^8-18*x^5+5*x^4-8*x^7)/(2*x-1)/(2*x^4+2*x^3+2*x^2-1)/(2*x^4-2*x^3+2*x^2-2*x+1)$  lgdogf  
A164265 13.5242 [  $(3*x+4)/(x-1)/(3*x^2-1)$  ogf]  
A164265 14.6416  $-(-7-24*x+18*x^3+27*x^2)/(x-1)/(3*x+4)/(3*x^2-1)$  lgdogf  
A164265 6.34323 [  $\{a(n+3)-a(n+2)-3*a(n+1)+3*a(n), a(0) = 4, a(1) = 7, a(2) = 19\}$ , ogf]  
A164267 12.9609 [  $-x/(x^2-3*x+1)/(x^2-x-1)$  ogf]  
A164267 15.3824  $-2*(x-1)*(2*x^2-4*x-1)/(x^2-3*x+1)/(x^2-x-1)$  lgdogf  
A164272 6.45791 [  $-(2*x^7-2*x^6+5*x^5-2*x^4+4*x^3-2*x^2+3*x-2)/(-x^8-x^6+x^2+1)$  ogf\_with\_Euler\_transform]  
A164273 5.06031 [  $-(2*x^9-x^7+x^6+x^5+3*x^3-x^2-x+2)/(-x^{10}+x^9-x^7+x^6-x^4+x^3-x+1)$  ogf\_with\_Euler\_transform]  
A164277 4.30231 [  $(x^2+x+1)*(x^2-x+1)*(x+1)^2/(903*x^6-42*x^5-42*x^4-42*x^3-42*x^2-42*x+1)$  ogf]  
A164284 18.2633 [  $(7*x+8)/(x-1)^2$  ogf]  
A164284 26.8656  $-(-4-x+(16+15*x)^{(1/2)})/(-7+x)$  revogf  
A164284 35.0421  $-(23+7*x)/(7*x+8)/(x-1)$  lgdogf  
A164284 9.90181 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 8, a(1) = 23\}$ , ogf]  
A164285 14.8350 [  $-(13*x-10)/(2*x-1)/(x-1)$  ogf]  
A164285 15.8986  $-1/2*(-10-3*x+(100+8*x+x^2)^{(1/2)})/(13+2*x)$  revogf  
A164285 16.6742  $-(17-40*x+26*x^2)/(13*x-10)/(x-1)/(2*x-1)$  lgdogf  
A164285 8.30055 [  $\{a(n+2)-3*a(n+1)+2*a(n), a(0) = 10, a(1) = 17\}$ , ogf]  
A164298 14.0540 [  $(6*x+1)/(2*x^2-4*x+1)$  ogf]  
A164298 15.1151  $-1/4*(-1-4*x+(1+32*x+8*x^2)^{(1/2)})/(-3+x)$  revogf  
A164298 15.8902  $-2*(-5+2*x+6*x^2)/(6*x+1)/(2*x^2-4*x+1)$  lgdogf  
A164298 7.61966 [  $\{-a(n+2)+4*a(n+1)-2*a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A164299 13.5319 [  $(5*x+1)/(7*x^2-6*x+1)$  ogf]  
A164299 13.8737  $-1/2*(-1-6*x+(1+32*x+8*x^2)^{(1/2)})/(-5+7*x)$  revogf  
A164299 14.9143  $-(-11+14*x+35*x^2)/(5*x+1)/(7*x^2-6*x+1)$  lgdogf  
A164299 7.33657 [  $\{-a(n+2)+6*a(n+1)-7*a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
A164300 11.8527 [  $(4*x+1)/(14*x^2-8*x+1)$  ogf]  
A164300 12.4009  $-1/4*(-1-8*x+(1+32*x+8*x^2)^{(1/2)})/(-2+7*x)$  revogf  
A164300 13.0059  $-4*(-3+7*x+14*x^2)/(4*x+1)/(14*x^2-8*x+1)$  lgdogf  
A164300 6.49075 [  $\{-a(n+2)+8*a(n+1)-14*a(n), a(0) = 1, a(1) = 12\}$ , ogf]  
A164301 12.8484  $-1/2*(-1-10*x+(1+32*x+8*x^2)^{(1/2)})/(-3+23*x)$  revogf  
A164301 13.7661  $-(-13+46*x+69*x^2)/(3*x+1)/(23*x^2-10*x+1)$  lgdogf  
A164301 15.3894 [  $(3*x+1)/(23*x^2-10*x+1)$  ogf]  
A164301 8.50945 [  $\{-a(n+2)+10*a(n+1)-23*a(n), a(0) = 1, a(1) = 13\}$ , ogf]  
A164303 15.3281 [  $-(5*x+3)/(x^2+2*x-1)$  ogf]  
A164303 17.3445  $1/2/(5+x)*(-3-2*x+(9+32*x+8*x^2)^{(1/2)})$  revogf  
A164303 19.3268  $-(-11+6*x+5*x^2)/(5*x+3)/(x^2+2*x-1)$  lgdogf  
A164303 8.31042 [  $\{a(n+2)-2*a(n+1)-a(n), a(0) = 3, a(1) = 11\}$ , ogf]  
A164304 14.1953 [  $(2*x+3)/(2*x^2-4*x+1)$  ogf]  
A164304 15.6519  $-1/4*(-3-4*x+(9+32*x+8*x^2)^{(1/2)})/(x-1)$  revogf  
A164304 16.0532  $-2*(-7+6*x+2*x^2)/(2*x+3)/(2*x^2-4*x+1)$  lgdogf  
A164304 7.69624 [  $\{-a(n+2)+4*a(n+1)-2*a(n), a(0) = 3, a(1) = 14\}$ , ogf]  
A164305 14.3513  $-1/2*(-3-6*x+(9+32*x+8*x^2)^{(1/2)})/(1+7*x)$  revogf  
A164305 16.3846 [  $-(x-3)/(7*x^2-6*x+1)$  ogf]  
A164305 16.7431  $-(-17-42*x+7*x^2)/(x-3)/(7*x^2-6*x+1)$  lgdogf  
A164305 8.88323 [  $\{-a(n+2)+6*a(n+1)-7*a(n), a(0) = 3, a(1) = 17\}$ , ogf]  
A164310 13.8066 [  $-(9*x-4)/(6*x^2-6*x+1)$  ogf]  
A164310 14.8521  $-1/3*(-2-3*x+(4+3*x+3*x^2)^{(1/2)})/(3+2*x)$  revogf  
A164310 15.2234  $-3*(5-16*x+18*x^2)/(9*x-4)/(6*x^2-6*x+1)$  lgdogf  
A164310 7.48553 [  $\{a(n+2)-6*a(n+1)+6*a(n), a(0) = 4, a(1) = 15\}$ , ogf]  
A164311 13.2311 [  $-(21*x-4)/(33*x^2-12*x+1)$  ogf]  
A164311 14.1616  $-3*(9-88*x+231*x^2)/(21*x-4)/(33*x^2-12*x+1)$  lgdogf  
A164311 14.8360  $-1/3*(-2-6*x+(4+3*x+3*x^2)^{(1/2)})/(7+11*x)$  revogf  
A164311 7.47171 [  $\{a(n+2)-12*a(n+1)+33*a(n), a(0) = 4, a(1) = 27\}$ , ogf]  
A164315 13.4793 [  $(x^2+x+1)/(x-1)/(x^3+x^2-1)$  ogf]

A164315 6.63096 [ $\{-a(n+4)+a(n+3)+a(n+2)-a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 6\}$ , ogf]  
A164315 9.99948  $-(9+8*x+4*x^6+4*x^5-16*x^3-5*x^4-7*x^2)/(x-1)/(4*x^3+2*x^2-3*x-6)/(x^3+x^2-1)$  lgdogf  
A164316 15.5148 [ $-(2*x^2+x+1)/(x^3+x-1)$  ogf]  
A164316 15.8405  $-(7+8*x+4*x^3+4*x^4+11*x^2)/(4*x^2+2*x+5)/(x^3+x-1)$  lgdogf  
A164316 8.74773 [ $\{-a(n+3)+a(n+2)+a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A164317 10.2422 [ $-(x^2+x+1)*(x^3+2*x^2+x+1)/(x^4+x^3-1)$  ogf]  
A164317 11.1101  $-(6+14*x+4*x^6+14*x^5+32*x^3+25*x^4+27*x^2)/(x^4+x^3-1)/(4*x^3+7*x^2+6*x+5)$  lgdogf  
A164330 4.34598 [ $(x^2+x+1)*(x^2-x+1)*(x+1)^2/(946*x^6-43*x^5-43*x^4-43*x^3-43*x^2-43*x+1)$  ogf]  
A164331 4.34598 [ $(x^2+x+1)*(x^2-x+1)*(x+1)^2/(990*x^6-44*x^5-44*x^4-44*x^3-44*x^2-44*x+1)$  ogf]  
A164332 4.31122 [ $(x^2+x+1)*(x^2-x+1)*(x+1)^2/(1035*x^6-45*x^5-45*x^4-45*x^3-45*x^2-45*x+1)$  ogf]  
A164338 5.33058 [ $-(55677770*x^3+12344440*x^2-55667777*x-12334444)/(x-1)/(x+1)/(10*x^2-1)$  ogf]  
A164346 12.1199 [ $\{a(n+1)-4*a(n), a(0) = 3\}$ , ogf]  
A164346 25.2093 [ $-3/(4*x-1)$  ogf]  
A164346 25.7371  $-1/4*\ln(3)+1/4*\ln(4*x+3)$  revegf  
A164346 56.1538  $-4/(-1+4*x)$  lgdogf  
A164348 4.39787 [ $(x^2+x+1)*(x^2-x+1)*(x+1)^2/(1081*x^6-46*x^5-46*x^4-46*x^3-46*x^2-46*x+1)$  ogf]  
A164350 4.39787 [ $(x^2+x+1)*(x^2-x+1)*(x+1)^2/(1128*x^6-47*x^5-47*x^4-47*x^3-47*x^2-47*x+1)$  ogf]  
A164351 4.39787 [ $(x^2+x+1)*(x^2-x+1)*(x+1)^2/(1176*x^6-48*x^5-48*x^4-48*x^3-48*x^2-48*x+1)$  ogf]  
A164352 6.07245 [ $(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6-2*x^5+x^4-2*x^3+x^2-2*x+1)$  ogf]  
A164353 4.92389 [ $(x+1)*(x^6+x^5+x^4+x^3+x^2+x+1)/(3*x^7-2*x^6-2*x^5-2*x^4-2*x^3-2*x^2-2*x+1)$  ogf]  
A164354 4.94629 [ $(x+1)*(x^6+x^5+x^4+x^3+x^2+x+1)/(6*x^7-3*x^6-3*x^5-3*x^4-3*x^3-3*x^2-3*x+1)$  ogf]  
A164355 10.7115  $-(5+2*x+5*x^6+2*x^5+12*x^3+7*x^4+7*x^2)/(x-1)/(x+1)/(1+x^2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A164355 22.6290 [ $[-x^4+2*x^3-4*x+5]$  ogf\_with\_Euler\_transform]  
A164355 7.18764 [ $(x^4+x^3+x^2+x+1)*(x+1)^2/(x-1)^2/(x^2+1)^2$  ogf]  
A164356 14.3666 [ $-(x+1)^3/(x-1)/(x^2+1)$  ogf]  
A164356 30.3962  $-4*(1-x*x^2)/(1+x^2)/(x-1)/(x+1)$  lgdogf  
A164356 34.1122 [ $[x^3-4*x+4]$  ogf\_with\_Euler\_transform]  
A164356 7.50980 [ $\{a(n+4)-a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 4, a(2) = 6, a(3) = 4\}$ , ogf]  
A164357 11.4118 [ $(x+1)^4/(x^2+x+1)/(x^2-x+1)$  ogf]  
A164357 24.5850  $-2*(x-1)*(2*x^2+x+2)/(x+1)/(x^2+x+1)/(1-x*x^2)$  lgdogf  
A164357 28.6671 [ $[x^5-5*x+4]$  ogf\_with\_Euler\_transform]  
A164358 14.3666 [ $-(x^2+x+1)*(x+1)/(x-1)/(x^2+1)$  ogf]  
A164358 17.3692  $-(3+2*x+2*x^3+3*x^4+2*x^2)/(x-1)/(x+1)/(1+x^2)/(x^2+x+1)$  lgdogf  
A164358 29.9774 [ $[x^3-x^2-2*x+3]$  ogf\_with\_Euler\_transform]  
A164358 7.50980 [ $\{a(n+4)-a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 3\}$ , ogf]  
A164359 10.3260 [ $\{-a(n+4)+a(n+1), a(0) = 1, a(1) = 3, a(2) = 3, a(3) = 2\}$ , ogf]  
A164359 17.3911 [ $-(x+1)^3/(x-1)/(x^2+x+1)$  ogf]  
A164359 30.3962  $-3*(1+x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A164359 39.5702 [ $[x^2-3*x+3]$  ogf\_with\_Euler\_transform]  
A164360 13.0433 [ $\{-a(n+3)+a(n), a(0) = 5, a(1) = 4, a(2) = 3\}$ , ogf]  
A164360 17.0645  $-(4+6*x+8*x^3+3*x^4+15*x^2)/(x-1)/(x^2+x+1)/(3*x^2+4*x+5)$  lgdogf  
A164360 20.2305 [ $-(3*x^2+4*x+5)/(x-1)/(x^2+x+1)$  ogf]  
A164365 4.59043 [ $(x+1)*(x^6+x^5+x^4+x^3+x^2+x+1)/(10*x^7-4*x^6-4*x^5-4*x^4-4*x^3-4*x^2-4*x+1)$  ogf]  
A164369 4.52134 [ $(x+1)*(x^6+x^5+x^4+x^3+x^2+x+1)/(15*x^7-5*x^6-5*x^5-5*x^4-5*x^3-5*x^2-5*x+1)$  ogf]

A164370 12.2371 [  $(800x^4-99x^2+1)/(10x-1)/(10x^2-1)$  ogf]  
A164370 5.68434 [  $\{a(n+5)-10a(n+4)-10a(n+3)+100a(n+2), a(0) = 1, a(1) = 10, a(2) = 11, a(3) = 110, a(4) = 1010\}$ , ogf]  
A164373 4.35946 [  $(x+1)(x^6+x^5+x^4+x^3+x^2+x+1)/(21x^7-6x^6-6x^5-6x^4-6x^3-6x^2-6x+1)$  ogf]  
A164375 4.58302 [  $(x+1)(x^6+x^5+x^4+x^3+x^2+x+1)/(28x^7-7x^6-7x^5-7x^4-7x^3-7x^2-7x+1)$  ogf]  
A164387 7.50833 [  $-(25+40x+30x^6+8x^8+40x^5+64x^3+67x^4+41x^2+24x^7)/(8x^4+12x^3+6x^2+11x+14)/(x^5+x^4+x^2+x-1)$  lgdogf]  
A164387 9.44362 [  $-(x+1)(x^3+x^2+1)/(x^5+x^4+x^2+x-1)$  ogf]  
A164388 10.1921 [  $(x+1)(x^2+1)/(x^5-x^3-x^2-x+1)$  ogf]  
A164388 7.03341 [  $-(25+40x-10x^6+8x^8-28x^5-2x^3-36x^4+35x^2+8x^7)/(8x^4+4x^3-6x^2-11x-14)/(x^5-x^3-x^2-x+1)$  lgdogf]  
A164389 8.72698 [  $-(25+40x+8x^6+40x^5+84x^3+73x^4+88x^2)/(8x^3+20x^2+11x+14)/(x^4+2x^3+x-1)$  lgdogf]  
A164389 9.31715 [  $-(x+1)(x^2+1)^2/(x^4+2x^3+x-1)$  ogf]  
A164390 5.73927 [  $-(25+38x+41x^6+22x^8+8x^9+8x^{10}+54x^5+52x^3+51x^4+36x^2+20x^7)/(8x^5+4x^4+10x^3+5x^2+11x+14)/(x^6+x^4+x^2+x-1)$  lgdogf]  
A164390 8.43861 [  $-(x^5+x^4+2x^3+x^2+x+1)/(x^6+x^4+x^2+x-1)$  ogf]  
A164391 9.60080 [  $(x+1)(x^2+1)/(x-1)/(x^5+2x^4+2x^3+x^2-1)$  ogf]  
A164392 10.7506 [  $-(x^4-x^3-1)/(x-1)/(x+1)/(x^3-x^2+2x-1)$  ogf]  
A164392 6.83246 [  $-(25-12x+14x^6+8x^8+14x^3-25x^4-18x^2-8x^7)/(x-1)/(x+1)/(x^3-x^2+2x-1)/(8x^4-4x^3+6x^2+3x-14)$  lgdogf]  
A164393 20.8232 [  $-1/(x-1)/(x^4-x^3-x^2-x+1)$  ogf]  
A164393 6.45454 [  $-(25-12x+6x^6+8x^8+12x^5-32x^3+40x^4-24x^2-24x^7)/(x-1)/(x^4-x^3-x^2-x+1)/(8x^4-12x^3-6x^2-3x+14)$  lgdogf]  
A164394 11.9634 [  $-(x^3+x^2+1)/(x^3-x^2+2x-1)$  ogf]  
A164394 12.2496 [  $-(12-6x-4x^3+4x^4+15x^2)/(x^3-x^2+2x-1)/(4x^2-2x+7)$  lgdogf]  
A164394 5.89109 [  $\{a(n+4)-2a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$ , ogf]  
A164395 11.6327 [  $(x^2+1)/(x-1)/(2x^3+x-1)$  ogf]  
A164395 8.73016 [  $-2(6-3x+8x^6-8x^5-16x^3+6x^4+6x^2)/(x-1)/(2x^3+x-1)/(8x^3-4x^2+2x-7)$  lgdogf]  
A164396 10.4069 [  $-(x^5-x^3-1)/(x-1)/(x^5+x^2+x-1)$  ogf]  
A164396 5.63535 [  $-(24-14x+3x^6-2x^8-8x^9+8x^{10}-36x^5+16x^3+13x^4-22x^2+16x^7)/(x-1)/(x^5+x^2+x-1)/(8x^5-4x^4-2x^3+7x^2+4x-14)$  lgdogf]  
A164397 21.7272 [  $-1/(x^2+x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A164397 5.99195 [  $-2(-12-5x-19x^6+8x^8+4x^9-15x^5+29x^3+9x^4+9x^2-5x^7)/(x-1)/(x^2+x+1)/(x^2+x-1)/(8x^5+4x^4-14x^3-7x^2-4x+14)$  lgdogf]  
A164398 11.4651 [  $-(8x^3+5x^2+3x-14)/(x-1)/(x^3+x^2+x-1)$  ogf]  
A164398 8.29881 [  $-(25-10x+8x^6+10x^5-24x^3+9x^4-14x^2)/(x-1)/(x^3+x^2+x-1)/(8x^3+5x^2+3x-14)$  lgdogf]  
A164399 7.97926 [  $-2(12-7x+16x^6-14x^5-32x^3+11x^4+13x^2)/(x-1)/(2x^3+x-1)/(16x^3-7x^2+4x-14)$  lgdogf]  
A164399 8.86176 [  $-(16x^3-7x^2+4x-14)/(x-1)/(2x^3+x-1)$  ogf]  
A164400 12.3882 [  $(x^6+x^5-1)/(x-1)/(x^4-x^3-x^2-x+1)$  ogf]  
A164400 6.39095 [  $-(24-14x+3x^6+8x^8+12x^5-32x^3+46x^4-22x^2-24x^7)/(x-1)/(8x^4-12x^3-7x^2-4x+14)/(x^4-x^3-x^2-x+1)$  lgdogf]  
A164401 5.99403 [  $-(25-10x+5x^6+6x^8+8x^9+8x^{10}+28x^5+2x^3+27x^4+33x^2+20x^7)/(8x^5+4x^4+2x^3+9x^2-3x+14)/(x^6+x^3-x^2+2x-1)$  lgdogf]  
A164401 9.86574 [  $-(x+1)(x^2+1)(x^2-x+1)/(x^6+x^3-x^2+2x-1)$  ogf]  
A164402 13.3282 [  $-(2x^3+1)/(2x^4-2x^3+2x-1)$  ogf]  
A164402 8.55738 [  $-2(6-4x+8x^6-8x^5+16x^3-2x^4-5x^2)/(2x^4-2x^3+2x-1)/(8x^3-4x^2-2x+7)$  lgdogf]  
A164403 7.24655 [  $-(25-10x-7x^6+8x^8-12x^5+22x^3+27x^4-20x^2+8x^7)/(x^5-x^3+2x-1)/(8x^4+4x^3-5x^2-3x+14)$  lgdogf]  
A164403 9.37527 [  $-(8x^4+4x^3-5x^2-3x+14)/(x^5-x^3+2x-1)$  ogf]

A164404 10.0067 [  $-(16x^3-7x^2-4x+14)/(2x^4-2x^3+2x-1)$  ogf]  
A164404 8.00705  $-2*(12-7x+16x^6-14x^5+32x^3-5x^4-11x^2)/(2x^4-2x^3+2x-1)/(16x^3-7x^2-4x+14)$  lgdogf  
A164405 13.4539 [  $-(x+1)*(x^2-x+1)/(x^6-x^3+2x-1)$  ogf]  
A164405 5.83400 -  
 $(24-14x-16x^6+6x^8+8x^9+8x^{10}+20x^5+16x^3+23x^4-22x^2-12x^7)/(x^6-x^3+2x-1)/(8x^5+4x^4+2x^3-7x^2-4x+14)$  lgdogf  
A164406 11.1914 [  $(x^2+1)/(x^3+x-1)^2$  ogf]  
A164406 7.57792  $-2*(-12-5x+4x^6+15x^5+9x^3+2x^4-15x^2+4x^7)/(x^3+x-1)/(8x^5+4x^4+18x^3-7x^2+4x-14)$  lgdogf  
A164407 10.2020 [  $-(8x^3+4x^2+10x+13)/(x+1)/(x^3-x^2+2x-1)$  ogf]  
A164407 8.16640  $-(23+34x+8x^6+8x^5+36x^3+22x^4+30x^2)/(x+1)/(x^3-x^2+2x-1)/(8x^3+4x^2+10x+13)$  lgdogf  
A164408 8.39294  $-(23+34x+8x^6-8x^5-16x^3-18x^4+21x^2)/(8x^3-4x^2-10x-13)/(x^4-x^3-x^2-x+1)$  lgdogf  
A164408 8.99338 [  $-(8x^3-4x^2-10x-13)/(x^4-x^3-x^2-x+1)$  ogf]  
A164409 11.6270 [  $-(8x^2-4x+13)/(x^3-x^2+2x-1)$  ogf]  
A164409 11.7835  $-(22-10x-8x^3+8x^4+27x^2)/(x^3-x^2+2x-1)/(8x^2-4x+13)$  lgdogf  
A164409 6.26847 [  $\{a(n+3)-2a(n+2)+a(n+1)-a(n), a(0) = 13, a(1) = 22, a(2) = 39\}$ , ogf]  
A164410 11.1926  $-2*(11+16x+18x^3+16x^4+31x^2)/(16x^2+9x+13)/(2x^3+x-1)$  lgdogf  
A164410 12.6657 [  $-(16x^2+9x+13)/(2x^3+x-1)$  ogf]  
A164410 7.18159 [  $\{-a(n+3)+a(n+2)+2a(n), a(0) = 13, a(1) = 22, a(2) = 38\}$ , ogf]  
A164411 7.07440  $-(22+30x+6x^6+8x^8+20x^5+24x^3+37x^4+19x^2+8x^7)/(8x^4+4x^3+2x^2+9x+13)/(x^5+x^2+x-1)$  lgdogf  
A164411 9.77323 [  $-(x+1)*(x^3+x^2+1)/(x^5+x^2+x-1)$  ogf]  
A164412 6.51747  $-2*(11+15x+7x^6+4x^8-12x^5-21x^3-27x^4+5x^2+12x^7)/(x-1)/(x^2+x+1)/(x^2+x-1)/(8x^4+12x^3-2x^2-9x-13)$  lgdogf  
A164412 7.83223 [  $-(8x^4+12x^3-2x^2-9x-13)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A164413 17.7178  $-2*(11+14x+4x^2)/(x^2+x-1)/(x^2+9x+13)$  lgdogf  
A164413 9.32935 [  $-(x^2+1)*(x^2-x+1)*(x+1)^2/(x^2+x-1)$  ogf]  
A164414 11.5720  $-(22+30x+36x^3+30x^4+63x^2)/(2x^3+x-1)/(15x^2+9x+13)$  lgdogf  
A164414 12.6657 [  $-(15x^2+9x+13)/(2x^3+x-1)$  ogf]  
A164414 7.18159 [  $\{a(n+3)-a(n+2)-2a(n), a(0) = 13, a(1) = 22, a(2) = 37\}$ , ogf]  
A164415 8.45302  $-(22+32x+8x^6-6x^5-18x^3-16x^4+21x^2)/(8x^3-3x^2-9x-13)/(x^4-x^3-x^2-x+1)$  lgdogf  
A164415 8.61961 [  $-(x+1)*(x^5-x^2-1)/(x^4-x^3-x^2-x+1)$  ogf]  
A164416 5.98359  $-(23+80x+105x^6+8x^8+184x^5+228x^3+237x^4+161x^2+40x^7)/(x^5+2x^4+2x^3+x^2-1)/(8x^4+20x^3+27x^2+23x+13)$  lgdogf  
A164416 7.67680 [  $-(8x^4+20x^3+27x^2+23x+13)/(x^5+2x^4+2x^3+x^2-1)$  ogf]  
A164417 7.55312 [  $-(x+1)*(x^5+x^4-x^3-x^2-1)/(x^7+x^6-x^5-x^4-x^2-x+1)$  ogf]  
A164418 5.85198 [  $-(8x^6+12x^5+14x^4+15x^3+16x^2+9x+13)/(x^2-x+1)/(x^5+2x^4+2x^3+x^2-1)$  ogf]  
A164419 5.32423  $-(21+24x+39x^6+46x^8+24x^9+8x^{10}+52x^5+56x^3+80x^4+12x^2+40x^7)/(x^6+x^5+x^4-x^3+x^2+x-1)/(8x^5+12x^4+14x^3-x^2+8x+13)$  lgdogf  
A164419 7.44205 [  $-(x^5+2x^4+3x^3+x^2+x+1)/(x^6+x^5+x^4-x^3+x^2+x-1)$  ogf]  
A164420 10.7792 [  $(x+1)*(x^3+x^2+1)/(x-1)/(x^5+x^4+x^3+x^2-1)$  ogf]  
A164420 5.75628 -  
 $(21+24x-16x^6+6x^8+8x^9+8x^{10}-38x^5-12x^3-26x^4+3x^2+4x^7)/(x-1)/(8x^5+4x^4+2x^3+x^2-8x-13)/(x^5+x^4+x^3+x^2-1)$  lgdogf  
A164421 7.00221  $-(22+32x+9x^6+8x^8+20x^5+22x^3+36x^4+21x^2+10x^7)/(8x^4+5x^3+3x^2+9x+13)/(x^5+x^2+x-1)$  lgdogf  
A164421 8.97537 [  $-(8x^4+5x^3+3x^2+9x+13)/(x^5+x^2+x-1)$  ogf]  
A164422 6.82652  $-(21+28x+46x^6+8x^8+60x^5+76x^3+79x^4+61x^2+24x^7)/(8x^4+12x^3+14x^2+8x+13)/(x^5+x^4+x^3+x-1)$  lgdogf  
A164422 8.30422 [  $-(8x^4+12x^3+14x^2+8x+13)/(x^5+x^4+x^3+x-1)$  ogf]  
A164423 6.76324 [  $-(8x^6+12x^5+6x^4+3x^3+x^2+8x+13)/(x^7+x^6+x^2+x-1)$  ogf]

A164424 5.98217  $-(21-18*x + 7*x^6 - 10*x^8 + 8*x^9 + 8*x^{10} - 14*x^5 + 12*x^3 - 25*x^4 + 15*x^2 - 16*x^7)/(x-1)/(x^5+x^4+x-1)/(8*x^5+4*x^4-6*x^3-4*x^2+5*x-13)$  lgdogf  
A164424 8.04386  $[-(8*x^5+4*x^4-6*x^3-4*x^2+5*x-13)/(x-1)/(x^5+x^4+x-1)$  ogf]  
A164425 6.85982  $-(22+30*x+49*x^6+8*x^8+66*x^5+78*x^3+83*x^4+60*x^2+24*x^7)/(8*x^4+12*x^3+15*x^2+9*x+13)/(x^5+x^4+x^3+x-1)$  lgdogf  
A164425 8.34394  $[-(8*x^4+12*x^3+15*x^2+9*x+13)/(x^5+x^4+x^3+x-1)$  ogf]  
A164426 6.56450  $[-(8*x^6+12*x^5+14*x^4+7*x^3-13*x^2-8*x-13)/(x^3+x-1)/(x^4+x^3-1)$  ogf]  
A164427 7.09688  $-(22+30*x-2*x^6+8*x^8-16*x^5+12*x^3-18*x^4+19*x^2-8*x^7)/(x^5-x^4-x^2-x+1)/(8*x^4-4*x^3-2*x^2-9*x-13)$  lgdogf  
A164427 8.49734  $[-(8*x^4-4*x^3-2*x^2-9*x-13)/(x^5-x^4-x^2-x+1)$  ogf]  
A164428 7.09688  $-(22+30*x-3*x^6+8*x^8-16*x^5+14*x^3-17*x^4+16*x^2-6*x^7)/(x^5-x^4-x^2-x+1)/(8*x^4-3*x^3-2*x^2-9*x-13)$  lgdogf  
A164428 9.21847  $[-(x+1)*(x^2+1)*(x^4-x^3-1)/(x^5-x^4-x^2-x+1)$  ogf]  
A164429 10.2696  $[(x+1)*(x^2+1)*(x^2-x+1)/(x-1)/(x^3+x-1)$  ogf]  
A164429 9.09318  $-(21-18*x+8*x^6-8*x^5-30*x^3+11*x^4+12*x^2)/(x-1)/(x^3+x-1)/(8*x^3-4*x^2+5*x-13)$  lgdogf  
A164430 5.83399  $[-(8*x^6+12*x^5+14*x^4+8*x^3-2*x^2-8*x-13)/(x^7+x^6+x^5-x^3-x^2-x+1)$  ogf]  
A164431 5.57657  $-(21-16*x + x^6 - 10*x^8 + 8*x^9 + 8*x^{10} + 12*x^5 - 22*x^3 + 30*x^4 + 16*x^2 + 4*x^7)/(x^2+x-1)/(x^4-x^3+x^2-x+1)/(8*x^5+4*x^4-6*x^3+5*x^2-5*x+13)$  lgdogf  
A164431 7.19101  $[-(8*x^5+4*x^4-6*x^3+5*x^2-5*x+13)/(x^2+x-1)/(x^4-x^3+x^2-x+1)$  ogf]  
A164432 5.62239  $-(21+26*x + 46*x^6 + 22*x^8 + 8*x^9 + 8*x^{10} + 72*x^5 + 64*x^3 + 65*x^4 + 56*x^2 + 36*x^7)/(8*x^5+4*x^4+10*x^3+13*x^2+8*x+13)/(x^6+x^4+x^3+x-1)$  lgdogf  
A164432 7.46651  $[-(8*x^5+4*x^4+10*x^3+13*x^2+8*x+13)/(x^6+x^4+x^3+x-1)$  ogf]  
A164433 5.54850  $-(21+26*x-55*x^6+30*x^8+24*x^9+8*x^{10}-78*x^5-4*x^3-43*x^4+47*x^2-8*x^7)/(x-1)/(8*x^5+12*x^4+6*x^3-13*x^2-8*x-13)/(x^5+2*x^4+2*x^3-1)$  lgdogf  
A164433 7.77733  $[-(8*x^5+12*x^4+6*x^3-13*x^2-8*x-13)/(x-1)/(x^5+2*x^4+2*x^3-1)$  ogf]  
A164434 6.34874  $[-(8*x^6+12*x^5+7*x^4-4*x^3-17*x^2-10*x-13)/(x^7+x^6-x^4-2*x^3-x+1)$  ogf]  
A164435 6.46700  $[-(8*x^6+12*x^5+7*x^4+12*x^3+15*x^2+9*x+13)/(x^7+x^6+x^4+x^3+x-1)$  ogf]  
A164436 5.54850  $-(21+24*x-50*x^6+34*x^8+26*x^9+8*x^{10}-78*x^5-6*x^3-42*x^4+45*x^2-2*x^7)/(x-1)/(x^5+2*x^4+2*x^3-1)/(8*x^5+13*x^4+7*x^3-12*x^2-8*x-13)$  lgdogf  
A164436 7.77733  $[-(8*x^5+13*x^4+7*x^3-12*x^2-8*x-13)/(x-1)/(x^5+2*x^4+2*x^3-1)$  ogf]  
A164437 7.16442  $[-(8*x^5+21*x^4+36*x^3+37*x^2+22*x+13)/(x^6+2*x^5+3*x^4+2*x^3-1)$  ogf]  
A164438 6.99476  $-(21+22*x+6*x^6+8*x^8-16*x^5-24*x^3-37*x^4-2*x^2+8*x^7)/(x-1)/(x+1)/(x^3+x-1)/(8*x^4+4*x^3+2*x^2-8*x-13)$  lgdogf  
A164438 9.51012  $[-(8*x^4+4*x^3+2*x^2-8*x-13)/(x-1)/(x+1)/(x^3+x-1)$  ogf]  
A164439 5.73034  $-(21+26*x + 41*x^6 + 29*x^8 - 6*x^9 + 8*x^{10} + 20*x^5 + 48*x^3 + 18*x^4 + 11*x^2 - 12*x^7)/(x^6-x^5+2*x^4-x^3+x^2+x-1)/(8*x^5-3*x^4+14*x^3+8*x+13)$  lgdogf  
A164439 7.25814  $[-(8*x^5-3*x^4+14*x^3+8*x+13)/(x^6-x^5+2*x^4-x^3+x^2+x-1)$  ogf]  
A164440 6.63689  $-(22-14*x+13*x^6+8*x^8-12*x^5-16*x^3+32*x^4+22*x^2-6*x^7)/(x^5-x^4+x^3-x^2+2*x-1)/(8*x^4-3*x^3+6*x^2-4*x+13)$  lgdogf  
A164440 7.77416  $[-(8*x^4-3*x^3+6*x^2-4*x+13)/(x^5-x^4+x^3-x^2+2*x-1)$  ogf]  
A164441 6.26004  $[-(x+1)*(x^2+1)*(x^5+x^4+2*x^3+x^2+x+1)/(x^6+x^5+2*x^4+x^3+x^2-1)$  ogf]  
A164442 5.96476  $-(21+24*x-16*x^6+9*x^8+10*x^9+8*x^{10}-36*x^5-14*x^3-22*x^4+4*x^7)/(x-1)/(x^5+x^4+x^3+x^2-1)/(8*x^5+5*x^4+3*x^3+x^2-8*x-13)$  lgdogf  
A164442 8.55764  $[-(8*x^5+5*x^4+3*x^3+x^2-8*x-13)/(x-1)/(x^5+x^4+x^3+x^2-1)$  ogf]

A164443 6.89783 [  $-(8x^5+13x^4+8x^3-2x^2-9x-13)/(x-1)/(x^5+2x^4+2x^3+x^2-1)$  ogf]  
A164444 9.20213  $-(21+22x+8x^2+4x^3+20x^4+18x^5+18x^6-5x^7)/(8x^3-2x^2+8x+13)/(x^4-x^3+x^2+x-1)$  lgdogf  
A164444 9.73982 [  $-(8x^3-2x^2+8x+13)/(x^4-x^3+x^2+x-1)$  ogf]  
A164445 5.65313  $-(22+32x-15x^2-10x^3+8x^4+8x^5+8x^6-32x^7+24x^8-7x^9+24x^{10}-12x^{11})/(8x^5+4x^4-6x^3-3x^2-9x-13)/(x^6-x^4-x^2-x+1)$  lgdogf  
A164445 7.48452 [  $-(8x^5+4x^4-6x^3-3x^2-9x-13)/(x^6-x^4-x^2-x+1)$  ogf]  
A164446 6.10408 [  $-(8x^6-4x^5+6x^4+3x^3-6x^2+4x-13)/(x-1)/(x^6+x^4+x^3+x-1)$  ogf]  
A164447 7.75799 [  $-(8x^5+4x^4-14x^3+9x^2+5x-13)/(x-1)/(x+1)/(x^2-x+1)/(x^2+x-1)$  ogf]  
A164448 6.49513  $-(21-3x-18x^2+8x^3-20x^4+22x^5+14x^6+24x^7-2x^8)/(x-1)/(x+1)/(x^3+x-1)/(8x^5-4x^4-2x^3-9x^2-5x+13)$  lgdogf  
A164448 7.89137 [  $-(8x^5-4x^4-2x^3-9x^2-5x+13)/(x+1)/(x^3+x-1)/(x-1)^2$  ogf]  
A164449 6.85311  $-(21-16x-7x^2+8x^3+4x^4-26x^5-16x^6+22x^7+8x^8)/(x-1)/(x^2+1)/(x^2+x-1)/(8x^4+4x^3-5x^2+5x-13)$  lgdogf  
A164449 8.61088 [  $-(8x^4+4x^3-5x^2+5x-13)/(x-1)/(x^2+1)/(x^2+x-1)$  ogf]  
A164450 6.46427  $-(21-18x+33x^2+8x^3-16x^4+48x^5-29x^6-27x^7-22x^8)/(x-1)/(8x^4-11x^3+9x^2+5x-13)/(x^4-x^3+x^2+x-1)$  lgdogf  
A164450 8.33668 [  $-(8x^4-11x^3+9x^2+5x-13)/(x-1)/(x^4-x^3+x^2+x-1)$  ogf]  
A164451 7.06158 [  $-(8x^6-4x^5-2x^4-x^3+8x^2+5x-13)/(x-1)/(x+1)/(x^5-x^4+x^3-x^2+2x-1)$  ogf]  
A164452 6.19460  $-(21+41x+14x^2-16x^3+8x^4+8x^5-38x^6+10x^7+32x^8-34x^9+6x^{10})/(x-1)/(x^4+x-1)/(8x^5-12x^4+2x^3+8x^2-18x+13)$  lgdogf  
A164452 6.54479 [  $-(8x^5-12x^4+2x^3+8x^2-18x+13)/(x^4+x-1)/(x-1)^2$  ogf]  
A164453 6.60452  $-(21-14x+14x^2+8x^3-16x^4-14x^5+34x^6+20x^7-8x^8)/(8x^4-4x^3+6x^2-5x+13)/(x^5-x^4+x^3-x^2+2x-1)$  lgdogf  
A164453 7.73696 [  $-(8x^4-4x^3+6x^2-5x+13)/(x^5-x^4+x^3-x^2+2x-1)$  ogf]  
A164454 5.51102  $-(21-5x-44x^2-34x^3+14x^4+8x^5+46x^6+53x^7+10x^8-15x^9)/(x-1)/(x^2+x+1)/(8x^6-4x^5+6x^4-21x^3+5x^2-5x+13)/(x^3+x-1)$  lgdogf  
A164454 5.84086 [  $-(8x^6-4x^5+6x^4-21x^3+5x^2-5x+13)/(x^2+x+1)/(x^3+x-1)/(x-1)^2$  ogf]  
A164455 7.07584  $-2*(-11-3x-16x^2-16x^3+27x^4-8x^5+13x^6+16x^7)/(x-1)/(2x^3+x^2-1)/(16x^4-16x^3-8x^2-4x+13)$  lgdogf  
A164455 9.19946 [  $-(16x^4-16x^3-8x^2-4x+13)/(2x^3+x^2-1)/(x-1)^2$  ogf]  
A164456 6.44563  $-(22-14x+x^2+8x^3+12x^4-28x^5+41x^6-19x^7-22x^8)/(x-1)/(x^4-x^3-x^2-x+1)/(8x^4-11x^3-7x^2-4x+13)$  lgdogf  
A164456 8.90563 [  $-(8x^4-11x^3-7x^2-4x+13)/(x-1)/(x^4-x^3-x^2-x+1)$  ogf]  
A164457 6.81442  $-(21-18x+53x^2+8x^3-28x^4-68x^5+51x^6+18x^7-38x^8)/(x-1)/(x^4-2x^3-x+1)/(8x^4-19x^3+4x^2-5x+13)$  lgdogf  
A164457 9.01483 [  $-(x^7-2x^6+x^2+1)/(x-1)/(x^4-2x^3-x+1)$  ogf]  
A164458 8.88685  $-(21-x-18x^2+24x^3-18x^4+30x^5+8x^6)/(x-1)/(x^3+x^2-1)/(8x^4-4x^3-10x^2-5x+13)$  lgdogf  
A164458 9.15860 [  $-(8x^4-4x^3-10x^2-5x+13)/(x^3+x^2-1)/(x-1)^2$  ogf]  
A164459 6.45752 [  $-(8x^6-4x^5+6x^4-12x^3-7x^2-5x+13)/(x^5+x^4+2x^3+x^2-1)/(x-1)^2$  ogf]  
A164460 6.38408 [  $-(8x^6-4x^5-10x^4+3x^3+9x^2+5x-13)/(x-1)/(x^6-x^4+x^2+x-1)$  ogf]  
A164461 9.31591 [  $-(16x^3+x^2-8x-13)/(x-1)/(2x^3+x^2-1)$  ogf]  
A164461 9.37320  $-(21+24x+32x^2+4x^3-56x^4-33x^5)/(x-1)/(2x^3+x^2-1)/(16x^3+x^2-8x-13)$  lgdogf  
A164462 6.75611  $-(20-14x-10x^2+8x^3+8x^4-28x^5-15x^6+21x^7+8x^8)/(x-1)/(x^2+1)/(8x^4+4x^3-6x^2+6x-13)/(x^2+x-1)$  lgdogf  
A164462 8.56987 [  $-(8x^4+4x^3-6x^2+6x-13)/(x-1)/(x^2+1)/(x^2+x-1)$  ogf]  
A164463 10.4783 [  $-(8x^3+4x^2-6x+13)/(x^2-x+1)/(x^2+x-1)$  ogf]  
A164463 8.56402  $-2*(10-9x+4x^2+4x^3+10x^4-5x^5+11x^6)/(x^2-x+1)/(x^2+x-1)/(8x^3+4x^2-6x+13)$  lgdogf

A164464 9.09318  $-(20-18*x+8*x^6-8*x^5-32*x^3+14*x^4+13*x^2)/(x-1)/(8*x^3-4*x^2+6*x-13)/(x^3+x-1)$  lgdogf  
A164464 9.51012  $[-(8*x^3-4*x^2+6*x-13)/(x-1)/(x^3+x-1)$  ogf]  
A164465 6.07445  $[-(8*x^6-4*x^5+5*x^4+3*x^3-6*x^2+5*x-13)/(x-1)/(x^6+x^4+x^3+x-1)$  ogf]  
A164466 7.53501  $-(20-20*x-5*x^6+8*x^8+14*x^5+4*x^3-31*x^4+12*x^2-8*x^7)/(x-1)/(8*x^4-4*x^3-3*x^2+6*x-13)/(x^4+x-1)$  lgdogf  
A164466 9.02920  $[(x+1)*(x^2-x+1)*(x^3+x^2+1)/(x-1)/(x^4+x-1)$  ogf]  
A164467 6.46427  $-(20-18*x+35*x^6+8*x^8-12*x^5+48*x^3-35*x^4-24*x^2-24*x^7)/(x-1)/(8*x^4-12*x^3+9*x^2+6*x-13)/(x^4-x^3+x^2+x-1)$  lgdogf  
A164467 8.33668  $[-(8*x^4-12*x^3+9*x^2+6*x-13)/(x-1)/(x^4-x^3+x^2+x-1)$  ogf]  
A164468 9.29812  $-(20-20*x+8*x^6-6*x^5-32*x^3+13*x^4+15*x^2)/(x-1)/(8*x^3-3*x^2+6*x-13)/(x^3+x-1)$  lgdogf  
A164468 9.72171  $[-(8*x^3-3*x^2+6*x-13)/(x-1)/(x^3+x-1)$  ogf]  
A164469 5.94455  $-(20-16*x+23*x^6+14*x^8-8*x^9+8*x^10-40*x^5-24*x^3+18*x^4+17*x^2-16*x^7)/(x-1)/(8*x^5-4*x^4+6*x^3-5*x^2+6*x-13)/(x^5+x^3+x-1)$  lgdogf  
A164469 6.88445  $[-(8*x^5-4*x^4+6*x^3-5*x^2+6*x-13)/(x-1)/(x^5+x^3+x-1)$  ogf]  
A164470 6.17251  $-2*(-10-2*x-19*x^6+8*x^8+4*x^9+7*x^5+32*x^3+3*x^4-6*x^2-13*x^7)/(x-1)/(x^4+2*x^3-1)/(8*x^5+4*x^4-22*x^3+5*x^2-6*x+13)$  lgdogf  
A164470 7.15173  $[-(8*x^5+4*x^4-22*x^3+5*x^2-6*x+13)/(x^4+2*x^3-1)/(x-1)^2$  ogf]  
A164471 8.43276  $-(21-14*x+32*x^6-24*x^5-60*x^3+26*x^4+23*x^2)/(x-1)/(2*x^3+x-1)/(16*x^3-6*x^2+5*x-13)$  lgdogf  
A164471 9.25027  $[-(16*x^3-6*x^2+5*x-13)/(x-1)/(2*x^3+x-1)$  ogf]  
A164472 5.88579  $-(22+30*x-37*x^6+6*x^8+8*x^9+8*x^10-46*x^5+24*x^3+2*x^4+57*x^2-28*x^7)/(x^6-2*x^3-x+1)/(8*x^5+4*x^4+2*x^3-15*x^2-9*x-13)$  lgdogf  
A164472 8.27909  $[-(8*x^5+4*x^4+2*x^3-15*x^2-9*x-13)/(x^6-2*x^3-x+1)$  ogf]  
A164473 6.26706  $[-(8*x^6-4*x^5-2*x^4+7*x^3-5*x^2+5*x-13)/(x-1)/(x^6+x^3+x-1)$  ogf]  
A164474 6.74858  $-(20-18*x+56*x^6+8*x^8-32*x^5-68*x^3+59*x^4+16*x^2-40*x^7)/(x-1)/(x^4-2*x^3-x+1)/(8*x^4-20*x^3+4*x^2-6*x+13)$  lgdogf  
A164474 7.82177  $[-(8*x^4-20*x^3+4*x^2-6*x+13)/(x-1)/(x^4-2*x^3-x+1)$  ogf]  
A164475 7.06928  $-2*(10+10*x-x^6+4*x^8-24*x^5-16*x^3-21*x^4+16*x^2+12*x^7)/(x-1)/(x^4+2*x^3-1)/(8*x^4+12*x^3-10*x^2-7*x-13)$  lgdogf  
A164475 8.68061  $[-(8*x^4+12*x^3-10*x^2-7*x-13)/(x-1)/(x^4+2*x^3-1)$  ogf]  
A164476 11.4562  $[(x^5-x^3-1)/(x^3+x^2-1)/(x-1)^2$  ogf]  
A164476 8.96484  $-(20-18*x^5+23*x^3-22*x^4+31*x^2+8*x^7)/(x-1)/(x^3+x^2-1)/(8*x^4-4*x^3-10*x^2-6*x+13)$  lgdogf  
A164477 5.57900  $-(21-14*x+7*x^6-3*x^8-6*x^9+8*x^10-34*x^5+14*x^3+14*x^4-19*x^2+16*x^7)/(x-1)/(x^5+x^2+x-1)/(8*x^5-3*x^4-2*x^3+7*x^2+5*x-13)$  lgdogf  
A164477 7.44765  $[-(8*x^5-3*x^4-2*x^3+7*x^2+5*x-13)/(x-1)/(x^5+x^2+x-1)$  ogf]  
A164478 5.91610  $-(20-18*x+20*x^6+14*x^8-8*x^9+8*x^10-38*x^5-24*x^3+17*x^4+19*x^2-12*x^7)/(x-1)/(x^5+x^3+x-1)/(8*x^5-4*x^4+6*x^3-4*x^2+6*x-13)$  lgdogf  
A164478 6.85213  $[-(8*x^5-4*x^4+6*x^3-4*x^2+6*x-13)/(x-1)/(x^5+x^3+x-1)$  ogf]  
A164479 5.72189  $-(21-16*x-11*x^6+17*x^8-22*x^9+8*x^10-38*x^5+6*x^3+47*x^4-26*x^2+12*x^7)/(x-1)/(8*x^5-11*x^4+x^3+8*x^2+5*x-13)/(x^5-x^4+x^2+x-1)$  lgdogf  
A164479 7.24878  $[-(8*x^5-11*x^4+x^3+8*x^2+5*x-13)/(x-1)/(x^5-x^4+x^2+x-1)$  ogf]  
A164480 10.4769  $(-21+16*x+x^6-6*x^3-14*x^4+23*x^2)/(x-1)/(x^2+x-1)/(x^4+8*x^2+5*x-13)$  lgdogf  
A164480 10.8131  $[-(x^8+x^5+x^4-x^3-1)/(x-1)/(x^2+x-1)$  ogf]  
A164481 5.67754  $-(21-16*x-9*x^6+22*x^8-24*x^9+8*x^10-38*x^5+14*x^3+41*x^4-29*x^2+8*x^7)/(x-1)/(x^5-x^4+x^2+x-1)/(8*x^5-12*x^4+2*x^3+8*x^2+5*x-13)$  lgdogf  
A164481 7.24878  $[-(8*x^5-12*x^4+2*x^3+8*x^2+5*x-13)/(x-1)/(x^5-x^4+x^2+x-1)$  ogf]  
A164482 11.1193  $[-(8*x^3+4*x^2-7*x-13)/(x-1)/(x^3+x^2-1)$  ogf]  
A164482 9.31217  $-(20+18*x+8*x^6+8*x^5-36*x^3-13*x^4-13*x^2)/(x-1)/(x^3+x^2-1)/$

$(8x^3+4x^2-7x-13) \operatorname{lgdogf}$   
A164483 6.66355  $-2*(-10-22x^6+9x^8+4x^9+3x^5+30x^3+6x^4-6x^2-12x^7)/(x-1)/(x^4+2x^3-1)/(8x^5+5x^4-22x^3+3x^2-6x+13) \operatorname{lgdogf}$   
A164483 7.45176  $[-(8x^5+5x^4-22x^3+3x^2-6x+13)/(x^4+2x^3-1)/(x-1)^2 \operatorname{ogf}]$   
A164484 7.04030  $-2*(-10-x-11x^6-17x^5+27x^3-14x^4+11x^2+17x^7)/(x-1)/(2x^3+x^2-1)/(17x^4-14x^3-9x^2-6x+13) \operatorname{lgdogf}$   
A164484 9.06614  $[-(17x^4-14x^3-9x^2-6x+13)/(2x^3+x^2-1)/(x-1)^2 \operatorname{ogf}]$   
A164485 11.7931  $-(21-18x+10x^3+9x^4-21x^2)/(x-1)/(9x^2+5x-13)/(x^2+x-1) \operatorname{lgdogf}$   
A164485 13.5830  $[-(9x^2+5x-13)/(x-1)/(x^2+x-1) \operatorname{ogf}]$   
A164485 7.56168  $[-a(n+3)+2a(n+2)-a(n), a(0) = 13, a(1) = 21, a(2) = 33], \operatorname{ogf}]$   
A164486 13.2933  $-2*(10+8x-4x^3+4x^4-9x^2)/(x-1)/(x+1)/(8x^3-12x^2-6x+13) \operatorname{lgdogf}$   
A164486 4.62768  $[-(2x^3+1)/(x+1)/(x-1)^3 \operatorname{ogf}]$   
A164487 7.66855  $-(-20+40x-16x^6+19x^5+44x^3-45x^4-32x^2+8x^7)/(x-1)/(x^3+x-1)/(8x^4-12x^3+9x^2-19x+13) \operatorname{lgdogf}$   
A164487 8.70492  $[(x^6+x^4-x^2+x-1)/(x^3+x-1)/(x-1)^2 \operatorname{ogf}]$   
A164488 6.26706  $[-(8x^6-4x^5-2x^4+6x^3-4x^2+5x-13)/(x-1)/(x^6+x^3+x-1) \operatorname{ogf}]$   
A164489 6.27116  $[-(8x^6-4x^5-11x^4+2x^3+10x^2+6x-13)/(x-1)/(x^6-x^4+x^2+x-1) \operatorname{ogf}]$   
A164490 6.40604  $-(-21-20x+38x^6+8x^8-20x^5+44x^3-27x^4-22x^2-24x^7)/(x-1)/(8x^4-12x^3+10x^2+5x-13)/(x^4-x^3+x^2+x-1) \operatorname{lgdogf}$   
A164490 8.24194  $[-(8x^4-12x^3+10x^2+5x-13)/(x-1)/(x^4-x^3+x^2+x-1) \operatorname{ogf}]$   
A164491 5.58369  $-(23+34x+38x^6+33x^8+24x^9+8x^{10}+62x^5+34x^3+62x^4+27x^2+30x^7)/(x^6+x^5+x^2+x-1)/(8x^5+12x^4+7x^3+4x^2+10x+13) \operatorname{lgdogf}$   
A164491 7.47300  $[-(8x^5+12x^4+7x^3+4x^2+10x+13)/(x^6+x^5+x^2+x-1) \operatorname{ogf}]$   
A164492 7.02730  $[-(8x^6+4x^5+2x^4+9x^3+5x^2-5x+13)/(x^7+x^4-x^2+2x-1) \operatorname{ogf}]$   
A164493 5.91214  $[-(8x^6+4x^5+10x^4-2x^3+7x^2-4x+13)/(x^7+x^5-x^4+x^3-x^2+2x-1) \operatorname{ogf}]$   
A164494 11.6270  $[-(7x^2-3x+13)/(x^3-x^2+2x-1) \operatorname{ogf}]$   
A164494 11.7835  $-(-23-12x-6x^3+7x^4+28x^2)/(x^3-x^2+2x-1)/(7x^2-3x+13) \operatorname{lgdogf}$   
A164494 6.26847  $[{a(n+3)-2a(n+2)+a(n+1)-a(n), a(0) = 13, a(1) = 23, a(2) = 40}, \operatorname{ogf}]$   
A164495 5.76225  $-2*(11-7x+7x^6+11x^8+5x^9+4x^{10}+18x^5+16x^3+4x^4+11x^2+12x^7)/(8x^5+5x^4+10x^3+6x^2-4x+13)/(x^6+x^4-x^2+2x-1) \operatorname{lgdogf}$   
A164495 7.72913  $[-(8x^5+5x^4+10x^3+6x^2-4x+13)/(x^6+x^4-x^2+2x-1) \operatorname{ogf}]$   
A164496 5.28420  $-(21-14x+16x^6+30x^8-8x^9+8x^{10}+6x^5+52x^3-17x^4-22x^2-24x^7)/(x^6-x^5+2x^4-2x^3+2x-1)/(8x^5-4x^4+14x^3-7x^2-5x+13) \operatorname{lgdogf}$   
A164496 6.95908  $[-(8x^5-4x^4+14x^3-7x^2-5x+13)/(x^6-x^5+2x^4-2x^3+2x-1) \operatorname{ogf}]$   
A164497 6.88480  $-(-21-16x+4x^6+8x^8-36x^5+56x^3+18x^4-26x^2+24x^7)/(x^3-x+1)/(x^2+x-1)/(8x^4+12x^3-8x^2-5x+13) \operatorname{lgdogf}$   
A164497 8.47137  $[-(8x^4+12x^3-8x^2-5x+13)/(x^2+x-1)/(x^3-x+1) \operatorname{ogf}]$   
A164498 6.60795  $[-(8x^6+4x^5-6x^4+13x^3-9x^2-5x+13)/(x^2+x-1)/(x^5-x^4+x^3-x+1) \operatorname{ogf}]$   
A164499 5.72806  $-(-21-60x+41x^6-2x^8-8x^9+8x^{10}-30x^5-32x^3+4x^4+72x^2-16x^7)/(x-1)/(x^5-x^2+2x-1)/(8x^5-4x^4-2x^3-9x^2+18x-13) \operatorname{lgdogf}$   
A164499 7.14521  $[-(8x^5-4x^4-2x^3-9x^2+18x-13)/(x-1)/(x^5-x^2+2x-1) \operatorname{ogf}]$   
A164500 6.63689  $-(-21-12x+17x^6+8x^8-18x^5-14x^3+35x^4+18x^2-8x^7)/(8x^4-4x^3+7x^2-5x+13)/(x^5-x^4+x^3-x^2+2x-1) \operatorname{lgdogf}$   
A164500 7.77416  $[-(8x^4-4x^3+7x^2-5x+13)/(x^5-x^4+x^3-x^2+2x-1) \operatorname{ogf}]$   
A164501 7.81135  $[-(8x^6+4x^5+3x^4+x^3-7x^2-4x+13)/(x^7-x^3+2x-1) \operatorname{ogf}]$   
A164502 5.80233  $-2*(10-9x-4x^6+14x^8+5x^9+4x^{10}-2x^5+24x^3+5x^4-12x^2-2x^7)/$



$(x^6+x^4-2x^3+2x-1)/(8x^5+5x^4+12x^3-9x^2-6x+13)$  lgdogf  
A164502 7.78435 [  $-(8x^5+5x^4+12x^3-9x^2-6x+13)/(x^6+x^4-2x^3+2x-1)$  ogf]  
A164503 6.59822 [  $-(8x^6+4x^5+10x^4+5x^3-5x^2+5x-13)/(x^3+x-1)/(x^4+x-1)$  ogf]  
A164504 7.21425 [  $-(8x^5+5x^4+18x^3-5x^2+4x-13)/(x^3+x-1)^2$  ogf]  
A164504 7.67207  $-2*(-11-3x+5x^6+15x^5+11x^3+5x^4-12x^2+4x^7)/(x^3+x-1)/(8x^5+5x^4+18x^3-5x^2+4x-13)$  lgdogf  
A164505 7.04166 [  $-(8x^5+5x^4+20x^3-4x^2+6x-13)/(x^3+x-1)^2$  ogf]  
A164505 7.72902  $-2*(-10-x+5x^6+18x^5+15x^3+7x^4-9x^2+4x^7)/(x^3+x-1)/(8x^5+5x^4+20x^3-4x^2+6x-13)$  lgdogf  
A164506 6.28758  $-2*(11-7x+27x^6+15x^8-5x^5+28x^3-31x^4-11x^2-28x^7)/(x-1)/(15x^4-14x^3+7x^2+4x-13)/(2x^4-x^3+x^2+x-1)$  lgdogf  
A164506 8.30422 [  $-(15x^4-14x^3+7x^2+4x-13)/(x-1)/(2x^4-x^3+x^2+x-1)$  ogf]  
A164507 6.96620 [  $-(x^8+x^7+x^6+x^5+2x^4-x^3-1)/(x^7+x^5-x^4+x^3-2x+1)$  ogf]  
A164508 5.56794  $-2*(x+1)*(4x^9-16x^8+35x^7-43x^6+32x^5-x^4-21x^3+29x^2-17x+10)/(x^6-2x^5+2x^4-x^2+2x-1)/(8x^5-12x^4+10x^3+6x^2-6x+13)$  lgdogf  
A164508 8.32521 [  $-(x+1)*(x^5-x^4+2x^2-x+1)/(x^6-2x^5+2x^4-x^2+2x-1)$  ogf]  
A164509 5.18558  $-(22+32x+95x^6+46x^8+24x^9+8x^{10}+114x^5+90x^3+112x^4+65x^2+76x^7)/(8x^5+12x^4+14x^3+16x^2+9x+13)/(x^6+x^5+x^4+x^3+x-1)$  lgdogf  
A164509 7.32122 [  $-(x+1)*(x^2+1)*(x^3+x^2+1)/(x^6+x^5+x^4+x^3+x-1)$  ogf]  
A164532 10.9437 [ {a(n+2)-6a(n), a(0) = 1, a(1) = 4}, ogf]  
A164532 17.0829 [  $-(4x+1)/(6x^2-1)$  ogf]  
A164532 18.0771  $1/4*(-1+(1+16x+24x^2)^{1/2})/(2+3x)$  revogf  
A164532 20.2038  $-4*(1+3x+6x^2)/(4x+1)/(6x^2-1)$  lgdogf  
A164535 12.0480 [  $-(4x-3)/(14x^2-8x+1)$  ogf]  
A164535 12.9102  $-1/4*(-3-8x+(9+32x+8x^2)^{1/2})/(2+7x)$  revogf  
A164535 13.2251  $-4*(5-21x+14x^2)/(4x-3)/(14x^2-8x+1)$  lgdogf  
A164535 6.59774 [ {-a(n+2)+8a(n+1)-14a(n), a(0) = 3, a(1) = 20}, ogf]  
A164536 12.6840 [  $-(7x-3)/(23x^2-10x+1)$  ogf]  
A164536 13.2765  $-1/2*(-3-10x+(9+32x+8x^2)^{1/2})/(7+23x)$  revogf  
A164536 14.2480  $-23*(1-6x+7x^2)/(7x-3)/(23x^2-10x+1)$  lgdogf  
A164536 7.01353 [ {-a(n+2)+10a(n+1)-23a(n), a(0) = 3, a(1) = 23}, ogf]  
A164537 11.8554 [  $-(12x-5)/(14x^2-8x+1)$  ogf]  
A164537 12.3914  $-28*(-1+3x)*(2x-1)/(12x-5)/(14x^2-8x+1)$  lgdogf  
A164537 12.6796  $-1/4*(-5-8x+(25+32x+8x^2)^{1/2})/(6+7x)$  revogf  
A164537 6.63340 [ {-a(n+2)+8a(n+1)-14a(n), a(0) = 5, a(1) = 28}, ogf]  
A164538 12.5446 [  $-(17x-5)/(23x^2-10x+1)$  ogf]  
A164538 12.8295  $-1/2*(-5-10x+(25+32x+8x^2)^{1/2})/(17+23x)$  revogf  
A164538 13.4127  $-(33-230x+391x^2)/(17x-5)/(23x^2-10x+1)$  lgdogf  
A164538 7.08402 [ {-a(n+2)+10a(n+1)-23a(n), a(0) = 5, a(1) = 33}, ogf]  
A164539 14.5085 [  $-(11x+1)/(7x^2+2x-1)$  ogf]  
A164539 15.2251  $1/2/(11+7x)*(-2x-1+(32x^2+48x+1)^{1/2})$  revogf  
A164539 16.3670  $-(13+14x+77x^2)/(11x+1)/(7x^2+2x-1)$  lgdogf  
A164539 8.04084 [ {a(n+2)-2a(n+1)-7a(n), a(0) = 1, a(1) = 13}, ogf]  
A164540 13.6409 [  $-(10x+1)/(4x^2+4x-1)$  ogf]  
A164540 14.6456  $1/4*(-1-4x+(32x^2+48x+1)^{1/2})/(5+2x)$  revogf  
A164540 15.3779  $-2*(7+4x+20x^2)/(10x+1)/(4x^2+4x-1)$  lgdogf  
A164540 7.56001 [ {a(n+2)-4a(n+1)-4a(n), a(0) = 1, a(1) = 14}, ogf]  
A164541 12.4489 [  $(9x+1)/(x^2-6x+1)$  ogf]  
A164541 13.0528  $-1/2*(-1-6x+(32x^2+48x+1)^{1/2})/(-9+x)$  revogf  
A164541 15.2283  $-(-15+2x+9x^2)/(9x+1)/(x^2-6x+1)$  lgdogf  
A164541 6.74942 [ {-a(n+2)+6a(n+1)-a(n), a(0) = 1, a(1) = 15}, ogf]  
A164542 13.3144 [  $(8x+1)/(8x^2-8x+1)$  ogf]  
A164542 13.9801  $-1/16*(-1-8x+(32x^2+48x+1)^{1/2})/(x-1)$  revogf  
A164542 15.4517  $-16*(-1+x+4x^2)/(8x+1)/(8x^2-8x+1)$  lgdogf  
A164542 7.21863 [ {-a(n+2)+8a(n+1)-8a(n), a(0) = 1, a(1) = 16}, ogf]  
A164543 13.4489 [  $(7x+1)/(17x^2-10x+1)$  ogf]  
A164543 13.4808  $-1/2*(-1-10x+(32x^2+48x+1)^{1/2})/(-7+17x)$  revogf  
A164543 15.1248  $-17*(7x^2+2x-1)/(7x+1)/(17x^2-10x+1)$  lgdogf

A164543 7.43646 [ $\{-a(n+2)+10*a(n+1)-17*a(n), a(0) = 1, a(1) = 17\}$ , ogf]  
A164544 14.4778 [ $-(5*x+1)/(7*x^2+2*x-1)$  ogf]  
A164544 15.2092  $1/2/(5+7*x)*(-2*x-1+(32*x^2+24*x+1)^{1/2})$  revogf  
A164544 16.8102  $-7*(1+2*x+5*x^2)/(5*x+1)/(7*x^2+2*x-1)$  lgdogf  
A164544 7.94512 [ $\{a(n+2)-2*a(n+1)-7*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A164545 13.6006 [ $-(4*x+1)/(4*x^2+4*x-1)$  ogf]  
A164545 14.9915  $1/8*(-1-4*x+(32*x^2+24*x+1)^{1/2})/(1+x)$  revogf  
A164545 16.6573  $-8*(1+x+2*x^2)/(4*x+1)/(4*x^2+4*x-1)$  lgdogf  
A164545 7.46373 [ $\{a(n+2)-4*a(n+1)-4*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A164546 13.1146 [ $(2*x+1)/(8*x^2-8*x+1)$  ogf]  
A164546 13.1404  $-1/4*(-1-8*x+(32*x^2+24*x+1)^{1/2})/(-1+4*x)$  revogf  
A164546 14.8250  $-2*(-5+8*x+8*x^2)/(2*x+1)/(8*x^2-8*x+1)$  lgdogf  
A164546 7.11035 [ $\{-a(n+2)+8*a(n+1)-8*a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A164547 13.1940 [ $(x+1)/(17*x^2-10*x+1)$  ogf]  
A164547 13.2203  $-1/2*(-1-10*x+(32*x^2+24*x+1)^{1/2})/(-1+17*x)$  revogf  
A164547 15.2033  $-(-11+34*x+17*x^2)/(x+1)/(17*x^2-10*x+1)$  lgdogf  
A164547 7.29548 [ $\{-a(n+2)+10*a(n+1)-17*a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
A164548 4.28482 [ $(x+1)*(x^6+x^5+x^4+x^3+x^2+x+1)/(36*x^7-8*x^6-8*x^5-8*x^4-8*x^3-8*x^2-8*x+1)$  ogf]  
A164549 12.9824 [ $-(2*x+1)/(2*x^2+4*x-1)$  ogf]  
A164549 14.2961  $1/4*(-1-4*x+(1+16*x+24*x^2)^{1/2})/(1+x)$  revogf  
A164549 15.0485  $-2*(3+2*x+2*x^2)/(2*x+1)/(2*x^2+4*x-1)$  lgdogf  
A164549 7.12448 [ $\{a(n+2)-4*a(n+1)-2*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A164550 12.9900 [ $(x+1)/(3*x^2-6*x+1)$  ogf]  
A164550 13.0084  $-1/2*(-1-6*x+(1+16*x+24*x^2)^{1/2})/(-1+3*x)$  revogf  
A164550 16.3534  $-(-7+6*x+3*x^2)/(x+1)/(3*x^2-6*x+1)$  lgdogf  
A164550 7.12863 [ $\{-a(n+2)+6*a(n+1)-3*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A164551 12.7478 [ $-(x-1)/(19*x^2-10*x+1)$  ogf]  
A164551 13.0481  $-1/2*(-1-10*x+(1+16*x+24*x^2)^{1/2})/(1+19*x)$  revogf  
A164551 15.4517  $-(9-38*x+19*x^2)/(x-1)/(19*x^2-10*x+1)$  lgdogf  
A164551 7.13269 [ $\{-a(n+2)+10*a(n+1)-19*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A164552 13.4489 [ $-(2*x-1)/(30*x^2-12*x+1)$  ogf]  
A164552 13.7804  $-1/4*(-1-12*x+(1+16*x+24*x^2)^{1/2})/(1+15*x)$  revogf  
A164552 15.1248  $-10*(1-6*x+6*x^2)/(2*x-1)/(30*x^2-12*x+1)$  lgdogf  
A164552 7.43646 [ $\{-a(n+2)+12*a(n+1)-30*a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A164553 12.4042 [ $-(3*x-1)/(43*x^2-14*x+1)$  ogf]  
A164553 12.6938  $-1/2*(-1-14*x+(1+16*x+24*x^2)^{1/2})/(3+43*x)$  revogf  
A164553 13.2842  $-(-11-86*x+129*x^2)/(-1+3*x)/(43*x^2-14*x+1)$  lgdogf  
A164553 6.85881 [ $\{-a(n+2)+14*a(n+1)-43*a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
A164559 12.4489 [ $(4*x+1)/(6*x-1)/(x-1)$  ogf]  
A164559 12.4595  $-1/4*(-1-7*x+(1+30*x+25*x^2)^{1/2})/(-2+3*x)$  revogf  
A164559 13.7055  $-(-11+12*x+24*x^2)/(x-1)/(6*x-1)/(4*x+1)$  lgdogf  
A164559 6.74942 [ $\{-a(n+2)+7*a(n+1)-6*a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
A164560 12.7001 [ $(4*x+1)/(x-1)/(6*x^2-1)$  ogf]  
A164560 14.0378  $-(-5-12*x+48*x^3-6*x^2)/(x-1)/(4*x+1)/(6*x^2-1)$  lgdogf  
A164560 5.95667 [ $\{a(n+3)-a(n+2)-6*a(n+1)+6*a(n), a(0) = 1, a(1) = 5, a(2) = 11\}$ , ogf]  
A164562 7.77149 [ $-(x^{11}+x^{10}+x^6+2*x^5+x^4+1)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]  
A164576 12.6333  $-(-11+29*x+27*x^3+12*x^4+65*x^2)/(x-1)/(x+1)/(6*x^3+7*x^2+10*x+1)$  lgdogf  
A164576 9.58060 [ $-(6*x^3+7*x^2+10*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A164577 5.55700 [ $(3*x^7+6*x^6+11*x^5+34*x^4+17*x^3+13*x^2+11*x+1)/(x^2+x+1)^3/(x-1)^4$  ogf]  
A164577 5.82745  $-(x+1)*(9*x^8+18*x^7+46*x^6+196*x^5+4*x^4+206*x^3+59*x^2+26*x+12)/(x-1)/(x^2+x+1)/(3*x^7+6*x^6+11*x^5+34*x^4+17*x^3+13*x^2+11*x+1)$  lgdogf  
A164578 11.8686  $-(23+107*x+69*x^3+6*x^4+83*x^2)/(x-1)/(x+1)/(3*x^3+22*x^2+13*x+10)$  lgdogf  
A164578 9.07345 [ $-(3*x^3+22*x^2+13*x+10)/(x+1)^2/(x-1)^3$  ogf]  
A164579 5.35392 [ $(10*x^7+39*x^6+23*x^5+132*x^4+99*x^3+25*x^2+50*x+6)/(x^2+x+1)^3/(x-1)^4$  ogf]

A164581 16.1727 [ (3\*x-1)/(x^2+5\*x-1) ogf]  
A164581 16.2262 1/2/(-3+x)\*(-1-5\*x+(1-2\*x+29\*x^2)^(1/2)) revogf  
A164581 18.0291 -(-2-2\*x+3\*x^2)/(-1+3\*x)/(x^2+5\*x-1) lgdogf  
A164581 8.87528 [{-a(n+2)+5\*a(n+1)+a(n), a(0) = 1, a(1) = 2}, ogf]  
A164582 15.6078 [ -(7\*x-2)/(x^2-5\*x+1) ogf]  
A164582 17.2409 -1/2\*(-2-5\*x+(4-8\*x+21\*x^2)^(1/2))/(7+x) revogf  
A164582 20.2834 -(3-4\*x+7\*x^2)/(7\*x-2)/(x^2-5\*x+1) lgdogf  
A164582 8.56523 [{a(n+2)-5\*a(n+1)+a(n), a(0) = 2, a(1) = 3}, ogf]  
A164583 13.3066 -4\*(9+56\*x+16\*x^2)/(-1+4\*x)/(16\*x^2+24\*x+1) lgdogf  
A164583 4.95057 [{a(n+3)-12\*a(n+2)+48\*a(n+1)-64\*a(n), a(0) = 1, a(1) = 36, a(2) = 400}, ogf]  
A164583 8.85102 [ -(16\*x^2+24\*x+1)/(4\*x-1)^3 ogf]  
A164584 6.02275 -2\*(3+12\*x+64\*x^6+192\*x^5-32\*x^3-48\*x^4+60\*x^2)/(2\*x-1)/(4\*x^2+4\*x-1)/(4\*x^2-4\*x-1)/(4\*x^2+8\*x+1) lgdogf  
A164584 8.77310 [ -(2\*x-1)\*(4\*x^2+8\*x+1)/(4\*x^2+4\*x-1)/(4\*x^2-4\*x-1) ogf]  
A164587 11.8950 [{a(n+2)-2\*a(n), a(0) = 1, a(1) = 8}, ogf]  
A164587 18.5679 [ -(8\*x+1)/(2\*x^2-1) ogf]  
A164587 21.3265 1/4\*(-1+(1+32\*x+8\*x^2)^(1/2))/(4+x) revogf  
A164587 23.3259 -4\*(2+x+4\*x^2)/(8\*x+1)/(2\*x^2-1) lgdogf  
A164588 14.5100 [ -(x-1)/(17\*x^2-10\*x+1) ogf]  
A164588 14.8843 -1/2\*(-1-10\*x+(1+16\*x+32\*x^2)^(1/2))/(1+17\*x) revogf  
A164588 17.6262 -(9-34\*x+17\*x^2)/(x-1)/(17\*x^2-10\*x+1) lgdogf  
A164588 8.11871 [{-a(n+2)+10\*a(n+1)-17\*a(n), a(0) = 1, a(1) = 9}, ogf]  
A164589 16.8697 [ -(2\*x+1)/(7\*x^2+2\*x-1) ogf]  
A164589 16.9569 1/2/(2+7\*x)\*(-2\*x-1+((1+4\*x)\*(8\*x+1))^(1/2)) revogf  
A164589 19.6343 -2\*(2+7\*x+7\*x^2)/(2\*x+1)/(7\*x^2+2\*x-1) lgdogf  
A164589 9.25777 [{a(n+2)-2\*a(n+1)-7\*a(n), a(0) = 1, a(1) = 4}, ogf]  
A164590 4.14143 [ (x+1)\*(x^6+x^5+x^4+x^3+x^2+x+1)/(45\*x^7-9\*x^6-9\*x^5-9\*x^4-9\*x^3-9\*x^2-9\*x+1) ogf]  
A164591 14.0048 -1/2\*(-1-8\*x+((1+4\*x)\*(8\*x+1))^(1/2))/(8\*x+1) revogf  
A164591 14.2754 [ -(x-1)/(8\*x^2-8\*x+1) ogf]  
A164591 18.0062 -(7-16\*x+8\*x^2)/(x-1)/(8\*x^2-8\*x+1) lgdogf  
A164591 7.83407 [{-a(n+2)+8\*a(n+1)-8\*a(n), a(0) = 1, a(1) = 7}, ogf]  
A164592 14.1214 -1/2\*(-1-10\*x+((1+4\*x)\*(8\*x+1))^(1/2))/(2+17\*x) revogf  
A164592 14.3805 [ -(2\*x-1)/(17\*x^2-10\*x+1) ogf]  
A164592 15.8025 -2\*(4-17\*x+17\*x^2)/(2\*x-1)/(17\*x^2-10\*x+1) lgdogf  
A164592 8.04623 [{-a(n+2)+10\*a(n+1)-17\*a(n), a(0) = 1, a(1) = 8}, ogf]  
A164593 12.9900 [ -(2\*x+5)/(4\*x^2+4\*x-1) ogf]  
A164593 13.3109 1/4\*(-5-4\*x+(25+48\*x+32\*x^2)^(1/2))/(2\*x+1) revogf  
A164593 14.3092 -2\*(11+20\*x+4\*x^2)/(2\*x+5)/(4\*x^2+4\*x-1) lgdogf  
A164593 7.04275 [{-a(n+2)+4\*a(n+1)+4\*a(n), a(0) = 5, a(1) = 22}, ogf]  
A164594 15.2226 [ -(8\*x-5)/(8\*x^2-8\*x+1) ogf]  
A164594 15.6474 -1/16\*(-5-8\*x+(25+48\*x+32\*x^2)^(1/2))/(1+x) revogf  
A164594 17.2523 -16\*(2-5\*x+4\*x^2)/(8\*x-5)/(8\*x^2-8\*x+1) lgdogf  
A164594 8.25322 [{a(n+2)-8\*a(n+1)+8\*a(n), a(0) = 5, a(1) = 32}, ogf]  
A164595 14.9689 [ -(13\*x-5)/(17\*x^2-10\*x+1) ogf]  
A164595 15.0283 -1/2\*(-5-10\*x+(25+48\*x+32\*x^2)^(1/2))/(13+17\*x) revogf  
A164595 16.0529 -(37-170\*x+221\*x^2)/(13\*x-5)/(17\*x^2-10\*x+1) lgdogf  
A164595 8.45302 [{a(n+2)-10\*a(n+1)+17\*a(n), a(0) = 5, a(1) = 37}, ogf]  
A164598 13.3214 [ (2\*x+1)/(34\*x^2-12\*x+1) ogf]  
A164598 13.6472 -1/4\*(-1-12\*x+(1+32\*x+8\*x^2)^(1/2))/(-1+17\*x) revogf  
A164598 14.2820 -2\*(-7+34\*x+34\*x^2)/(2\*x+1)/(34\*x^2-12\*x+1) lgdogf  
A164598 7.36598 [{-a(n+2)+12\*a(n+1)-34\*a(n), a(0) = 1, a(1) = 14}, ogf]  
A164599 12.5295 [ (x+1)/(47\*x^2-14\*x+1) ogf]  
A164599 12.8247 -1/2\*(-1-14\*x+(1+32\*x+8\*x^2)^(1/2))/(-1+47\*x) revogf  
A164599 14.4278 -(-15+94\*x+47\*x^2)/(x+1)/(47\*x^2-14\*x+1) lgdogf  
A164599 6.92809 [{-a(n+2)+14\*a(n+1)-47\*a(n), a(0) = 1, a(1) = 15}, ogf]  
A164600 11.8075 [ -(x-1)/(79\*x^2-18\*x+1) ogf]  
A164600 12.3498 -1/2\*(-1-18\*x+(1+32\*x+8\*x^2)^(1/2))/(1+79\*x) revogf  
A164600 13.5847 -(17-158\*x+79\*x^2)/(x-1)/(79\*x^2-18\*x+1) lgdogf  
A164600 6.52884 [{-a(n+2)+18\*a(n+1)-79\*a(n), a(0) = 1, a(1) = 17}, ogf]

A164601 3.96394 [ (x+1)\*(x^6+x^5+x^4+x^3+x^2+x+1)/  
(55\*x^7-10\*x^6-10\*x^5-10\*x^4-10\*x^3-10\*x^2-10\*x+1) ogf]  
A164602 13.4962 [ -(15\*x+1)/(7\*x^2+2\*x-1) ogf]  
A164602 14.1462 1/2/(15+7\*x)\*(-2\*x-1+(32\*x^2+64\*x+1)^(1/2)) revogf  
A164602 14.8362 -(17+14\*x+105\*x^2)/(15\*x+1)/(7\*x^2+2\*x-1) lgdogf  
A164602 7.47984 [{a(n+2)-2\*a(n+1)-7\*a(n), a(0) = 1, a(1) = 17}, ogf]  
A164603 12.5090 [ -(14\*x+1)/(4\*x^2+4\*x-1) ogf]  
A164603 13.4104 1/4\*(-1-4\*x+(32\*x^2+64\*x+1)^(1/2))/(7+2\*x) revogf  
A164603 14.0809 -2\*(9+4\*x+28\*x^2)/(14\*x+1)/(4\*x^2+4\*x-1) lgdogf  
A164603 6.93270 [{a(n+2)-4\*a(n+1)-4\*a(n), a(0) = 1, a(1) = 18}, ogf]  
A164604 12.3737 [ (13\*x+1)/(x^2-6\*x+1) ogf]  
A164604 12.9583 -1/2\*(-1-6\*x+(32\*x^2+64\*x+1)^(1/2))/(-13+x) revogf  
A164604 14.6633 -(-19+2\*x+13\*x^2)/(13\*x+1)/(x^2-6\*x+1) lgdogf  
A164604 6.85770 [{-a(n+2)+6\*a(n+1)-a(n), a(0) = 1, a(1) = 19}, ogf]  
A164605 13.2203 [ (12\*x+1)/(8\*x^2-8\*x+1) ogf]  
A164605 13.5489 -1/8\*(-1-8\*x+(32\*x^2+64\*x+1)^(1/2))/(-3+2\*x) revogf  
A164605 14.5403 -4\*(-5+4\*x+24\*x^2)/(12\*x+1)/(8\*x^2-8\*x+1) lgdogf  
A164605 7.32690 [{-a(n+2)+8\*a(n+1)-8\*a(n), a(0) = 1, a(1) = 20}, ogf]  
A164606 13.2935 [ (11\*x+1)/(17\*x^2-10\*x+1) ogf]  
A164606 13.3214 -1/2\*(-1-10\*x+(32\*x^2+64\*x+1)^(1/2))/(-11+17\*x) revogf  
A164606 14.2297 -(-21+34\*x+187\*x^2)/(11\*x+1)/(17\*x^2-10\*x+1) lgdogf  
A164606 7.50694 [{-a(n+2)+10\*a(n+1)-17\*a(n), a(0) = 1, a(1) = 21}, ogf]  
A164607 13.8066 [ -(6\*x+1)/(4\*x^2+4\*x-1) ogf]  
A164607 14.4984 1/4\*(-1-4\*x+(1+32\*x+32\*x^2)^(1/2))/(3+2\*x) revogf  
A164607 15.6137 -2\*(5+4\*x+12\*x^2)/(6\*x+1)/(4\*x^2+4\*x-1) lgdogf  
A164607 7.48553 [{a(n+2)-4\*a(n+1)-4\*a(n), a(0) = 1, a(1) = 10}, ogf]  
A164608 13.1146 [ (4\*x+1)/(8\*x^2-8\*x+1) ogf]  
A164608 13.1404 -1/8\*(-1-8\*x+(1+32\*x+32\*x^2)^(1/2))/(-1+2\*x) revogf  
A164608 14.8250 -4\*(-3+4\*x+8\*x^2)/(4\*x+1)/(8\*x^2-8\*x+1) lgdogf  
A164608 7.11035 [{-a(n+2)+8\*a(n+1)-8\*a(n), a(0) = 1, a(1) = 12}, ogf]  
A164609 13.3214 [ (3\*x+1)/(17\*x^2-10\*x+1) ogf]  
A164609 13.3505 -1/2\*(-1-10\*x+(1+32\*x+32\*x^2)^(1/2))/(-3+17\*x) revogf  
A164609 14.6220 -(-13+34\*x+51\*x^2)/(3\*x+1)/(17\*x^2-10\*x+1) lgdogf  
A164609 7.36598 [{-a(n+2)+10\*a(n+1)-17\*a(n), a(0) = 1, a(1) = 13}, ogf]  
A164610 3.58199 [ (x+1)\*(x^6+x^5+x^4+x^3+x^2+x+1)/  
(66\*x^7-11\*x^6-11\*x^5-11\*x^4-11\*x^3-11\*x^2-11\*x+1) ogf]  
A164611 14.4452 -(x^2-5\*x+3)\*(x+1)^2/(x^2-x+1)/(x^3-2\*x^2-x-1) lgdogf  
A164611 7.60835 [ -(x^3-2\*x^2-x-1)/(x^2-x+1)^2 ogf]  
A164614 10.3710 [ -(-2\*x^6+2\*x^5+4\*x^4-4\*x^2-2\*x+2)/(-x^8-x^4-1)  
ogf\_with\_Euler\_transform]  
A164618 3.66294 [ (x+1)\*(x^6+x^5+x^4+x^3+x^2+x+1)/  
(78\*x^7-12\*x^6-12\*x^5-12\*x^4-12\*x^3-12\*x^2-12\*x+1) ogf]  
A164626 3.76412 [ (x+1)\*(x^6+x^5+x^4+x^3+x^2+x+1)/  
(91\*x^7-13\*x^6-13\*x^5-13\*x^4-13\*x^3-13\*x^2-13\*x+1) ogf]  
A164627 3.79771 [ (x+1)\*(x^6+x^5+x^4+x^3+x^2+x+1)/  
(105\*x^7-14\*x^6-14\*x^5-14\*x^4-14\*x^3-14\*x^2-14\*x+1) ogf]  
A164628 3.89818 [ (x+1)\*(x^6+x^5+x^4+x^3+x^2+x+1)/  
(120\*x^7-15\*x^6-15\*x^5-15\*x^4-15\*x^3-15\*x^2-15\*x+1) ogf]  
A164630 3.95845 [ (x+1)\*(x^6+x^5+x^4+x^3+x^2+x+1)/  
(136\*x^7-16\*x^6-16\*x^5-16\*x^4-16\*x^3-16\*x^2-16\*x+1) ogf]  
A164640 15.3369 [ -(6\*x+1)/(8\*x^2-1) ogf]  
A164640 16.2048 1/4\*(-1+(32\*x^2+24\*x+1)^(1/2))/(3+4\*x) revogf  
A164640 17.5937 -2\*(3+8\*x+24\*x^2)/(6\*x+1)/(8\*x^2-1) lgdogf  
A164640 9.82520 [{a(n+2)-8\*a(n), a(0) = 1, a(1) = 6}, ogf]  
A164654 12.3592 [{a(n+2)-2\*a(n), a(0) = 3, a(1) = 8}, ogf]  
A164654 19.2924 [ -(8\*x+3)/(2\*x^2-1) ogf]  
A164654 22.1753 1/4\*(-3+(9+32\*x+8\*x^2)^(1/2))/(4+x) revogf  
A164654 22.8275 -4\*(2+3\*x+4\*x^2)/(8\*x+3)/(2\*x^2-1) lgdogf  
A164660 14.5554 [ (2\*x^4+x^3+x^2-x-1)/(x-1)/(x+1)/(x^2+1) ogf]  
A164660 16.5425 -(-1+2\*x+x^6+2\*x^5+4\*x^3-3\*x^4+3\*x^2)/(x-1)/(x+1)/(x^2+1)/  
(2\*x^4+x^3+x^2-x-1) lgdogf

A164660 8.76019  $[ \{a(n+5)-a(n+1), a(0) = 1, a(1) = 1, a(2) = -1, a(3) = -1, a(4) = -1\}, \text{ogf}]$   
A164661 6.77823  $-2*(-1-3*x+8*x^6+x^8-3*x^9+x^{10}-42*x^5-24*x^3-8*x^4-x^2-24*x^7)/(x-1)/(x+1)/(x^2+1)/(2*x^8+2*x^7-7*x^6-2*x^5-9*x^4+2*x^3-x^2-2*x-1) \text{lgdogf}$   
A164661 8.00346  $[ (2*x^8+2*x^7-7*x^6-2*x^5-9*x^4+2*x^3-x^2-2*x-1)/(x^2+1)/(x-1)^3/(x+1)^3 \text{ogf}]$   
A164675 15.2820  $[ -(12*x+1)/(8*x^2-1) \text{ogf}]$   
A164675 16.5477  $1/8*(-1+(32*x^2+48*x+1)^{(1/2)})/(3+2*x) \text{revogf}$   
A164675 17.4670  $-4*(3+4*x+24*x^2)/(12*x+1)/(8*x^2-1) \text{lgdogf}$   
A164675 9.87455  $[ \{a(n+2)-8*a(n), a(0) = 1, a(1) = 12\}, \text{ogf}]$   
A164680 17.7737  $-3*(1+4*x+4*x^3+5*x^2)/(x-1)/(x+1)/(x^2+x+1) \text{lgdogf}$   
A164680 31.6532  $[x^2+3*x+3 \text{ogf\_with\_Euler\_transform}]$   
A164680 9.15860  $[ -1/(x^2+x+1)/(x+1)^3/(x-1)^7 \text{ogf}]$   
A164682 12.1618  $[ \{a(n+2)-2*a(n), a(0) = 5, a(1) = 8\}, \text{ogf}]$   
A164682 18.9842  $[ -(8*x+5)/(2*x^2-1) \text{ogf}]$   
A164682 21.2111  $1/4*(-5+(25+32*x+8*x^2)^{(1/2)})/(4+x) \text{revogf}$   
A164682 22.4588  $-4*(2+5*x+4*x^2)/(8*x+5)/(2*x^2-1) \text{lgdogf}$   
A164683 15.4164  $[ -(8*x+1)/(8*x^2-1) \text{ogf}]$   
A164683 16.7308  $1/16*(-1+(1+32*x+32*x^2)^{(1/2)})/(1+x) \text{revogf}$   
A164683 18.2070  $-8*(1+2*x+8*x^2)/(8*x+1)/(8*x^2-1) \text{lgdogf}$   
A164683 9.87611  $[ \{a(n+2)-8*a(n), a(0) = 1, a(1) = 8\}, \text{ogf}]$   
A164696 4.76830  $[ (x^2+1)*(x^4+1)*(x+1)^2/(x^2-x+1)/(x^6-2*x^4-3*x^3-2*x^2+1) \text{ogf}]$   
A164697 4.39515  $[ (x^2+1)*(x^4+1)*(x+1)^2/(3*x^8-2*x^7-2*x^6-2*x^5-2*x^4-2*x^3-2*x^2-2*x+1) \text{ogf}]$   
A164703 10.0249  $[ \{a(n+2)-8*a(n), a(0) = 1, a(1) = 16\}, \text{ogf}]$   
A164703 15.5148  $[ -(16*x+1)/(8*x^2-1) \text{ogf}]$   
A164703 17.2591  $1/16*(-1+(32*x^2+64*x+1)^{(1/2)})/(x+2) \text{revogf}$   
A164703 18.7820  $-16*(1+x+8*x^2)/(16*x+1)/(8*x^2-1) \text{lgdogf}$   
A164706 4.41514  $[ (x^2+1)*(x^4+1)*(x+1)^2/(6*x^8-3*x^7-3*x^6-3*x^5-3*x^4-3*x^3-3*x^2-3*x+1) \text{ogf}]$   
A164736 23.2129  $[x^8-x^5-x^3+3*x \text{ogf\_with\_Euler\_transform}]$   
A164736 6.24139  $[ x^{10}*(x^2+1)*(x^2-x+1)/(x+1)/(x^6+x^3+1)/(x-1)^2 \text{ogf}]$   
A164736 8.38201  $-x*(6+14*x^5-x^7+11*x^8-5*x^9+5*x^{10}-10*x^4+8*x^2+4*x^3-6*x-2*x^6)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)/(x^6+x^3+1) \text{lgdogf}$   
A164737 10.3257  $[ \{-a(n+2)+8*a(n), a(0) = 5, a(1) = 12\}, \text{ogf}]$   
A164737 15.9802  $[ -(12*x+5)/(8*x^2-1) \text{ogf}]$   
A164737 16.8753  $1/8*(-5+(25+48*x+32*x^2)^{(1/2)})/(3+2*x) \text{revogf}$   
A164737 17.7875  $-4*(3+20*x+24*x^2)/(12*x+5)/(8*x^2-1) \text{lgdogf}$   
A164741 4.10078  $[ (x^2+1)*(x^4+1)*(x+1)^2/(10*x^8-4*x^7-4*x^6-4*x^5-4*x^4-4*x^3-4*x^2-4*x+1) \text{ogf}]$   
A164742 4.03906  $[ (x^2+1)*(x^4+1)*(x+1)^2/(15*x^8-5*x^7-5*x^6-5*x^5-5*x^4-5*x^3-5*x^2-5*x+1) \text{ogf}]$   
A164749 3.48388  $[ -2*(4*x^8-12*x^7-7*x^6+52*x^5-62*x^4+50*x^3-31*x^2+6*x+4)/(2*x-1)^3/(x-1)^6 \text{ogf}]$   
A164754 11.9968  $[ (2*x^3-4*x^2-5*x-1)/(x-1)^3 \text{ogf}]$   
A164754 19.8142  $-2*(-4-9*x+x^2)/(x-1)/(2*x^3-4*x^2-5*x-1) \text{lgdogf}$   
A164754 6.17748  $[ \{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 8, a(2) = 25, a(3) = 50\}, \text{ogf}]$   
A164755 5.16272  $2*(-20-69*x-24*x^6+12*x^8-27*x^5+69*x^3+41*x^4-33*x^2-6*x^7)/(x-1)/(4*x^8+4*x^7-5*x^6-28*x^5-29*x^4+22*x^3+53*x^2+32*x+4) \text{lgdogf}$   
A164755 5.91790  $[ 2*(4*x^8+4*x^7-5*x^6-28*x^5-29*x^4+22*x^3+53*x^2+32*x+4)/(x-1)^2 \text{ogf}]$   
A164760 4.48581  $[ -2*(4*x^6+8*x^5+7*x^4-2*x^3-17*x^2+12*x+4)/(2*x-1)^3/(x-1)^4 \text{ogf}]$   
A164760 5.57420  $-2*(-26+3*x+32*x^6+29*x^5-98*x^3-21*x^4+109*x^2+4*x^7)/(x-1)/(2*x-1)/(4*x^6+8*x^5+7*x^4-2*x^3-17*x^2+12*x+4) \text{lgdogf}$   
A164765 5.71807  $[ (x^6-x^5+4*x^4+10*x^3-5*x^2+8*x+1)/(x^2+x+1)^2/(x-1)^4 \text{ogf}]$   
A164765 7.22377  $-(10+8*x+16*x^6+2*x^8+62*x^5+82*x^3-7*x^4+44*x^2-x^7)/(x-1)/(x^2+x+1)/(x^6-x^5+4*x^4+10*x^3-5*x^2+8*x+1) \text{lgdogf}$

A164769 3.89445 [ (x^2+1)\*(x^4+1)\*(x+1)^2/  
(21\*x^8-6\*x^7-6\*x^6-6\*x^5-6\*x^4-6\*x^3-6\*x^2-6\*x+1) ogf ]  
A164777 4.09417 [ (x^2+1)\*(x^4+1)\*(x+1)^2/  
(28\*x^8-7\*x^7-7\*x^6-7\*x^5-7\*x^4-7\*x^3-7\*x^2-7\*x+1) ogf ]  
A164779 3.82777 [ (x^2+1)\*(x^4+1)\*(x+1)^2/  
(36\*x^8-8\*x^7-8\*x^6-8\*x^5-8\*x^4-8\*x^3-8\*x^2-8\*x+1) ogf ]  
A164780 4.54878 [ (x^2+1)\*(x^4+1)\*(x+1)^2/  
(45\*x^8-9\*x^7-9\*x^6-9\*x^5-9\*x^4-9\*x^3-9\*x^2-9\*x+1) ogf ]  
A164781 4.30195 [ (x^2+1)\*(x^4+1)\*(x+1)^2/  
(55\*x^8-10\*x^7-10\*x^6-10\*x^5-10\*x^4-10\*x^3-10\*x^2-10\*x+1) ogf ]  
A164783 12.2898 [ (35\*x+1)/(7\*x-1)/(x-1) ogf ]  
A164783 12.5808 -1/14\*(-1-8\*x+(1+156\*x+36\*x^2)^(1/2))/(-5+x) revogf  
A164783 13.1799 -(-43+14\*x+245\*x^2)/(x-1)/(35\*x+1)/(7\*x-1) lgdogf  
A164783 6.81123 [{-a(n+2)+8\*a(n+1)-7\*a(n), a(0) = 1, a(1) = 43}, ogf ]  
A164784 12.8295 [ (24\*x+1)/(6\*x-1)/(x-1) ogf ]  
A164784 13.1404 -1/12\*(-1-7\*x+(1+110\*x+25\*x^2)^(1/2))/(-4+x) revogf  
A164784 13.7661 -(-31+12\*x+144\*x^2)/(x-1)/(6\*x-1)/(24\*x+1) lgdogf  
A164784 7.11035 [{-a(n+2)+7\*a(n+1)-6\*a(n), a(0) = 1, a(1) = 31}, ogf ]  
A164785 12.9061 [ (15\*x+1)/(5\*x-1)/(x-1) ogf ]  
A164785 13.5233 -1/10\*(-1-6\*x+(1+72\*x+16\*x^2)^(1/2))/(-3+x) revogf  
A164785 14.5376 -(5\*x+3)\*(15\*x-7)/(x-1)/(15\*x+1)/(5\*x-1) lgdogf  
A164785 7.15278 [{-a(n+2)+6\*a(n+1)-5\*a(n), a(0) = 1, a(1) = 21}, ogf ]  
A164786 12.9939 [ (48\*x+1)/(8\*x-1)/(x-1) ogf ]  
A164786 13.3169 -1/16\*(-1-9\*x+(1+210\*x+49\*x^2)^(1/2))/(-6+x) revogf  
A164786 13.9510 -(-57+16\*x+384\*x^2)/(x-1)/(8\*x-1)/(48\*x+1) lgdogf  
A164786 7.20146 [{-a(n+2)+9\*a(n+1)-8\*a(n), a(0) = 1, a(1) = 57}, ogf ]  
A164787 22.7884 [x^16+x^3+x+3 ogf\_with\_Euler\_transform]  
A164815 3.88743 [ (x^2+1)\*(x^4+1)\*(x+1)^2/  
(66\*x^8-11\*x^7-11\*x^6-11\*x^5-11\*x^4-11\*x^3-11\*x^2-11\*x+1) ogf ]  
A164826 8.51019 -(-1-24\*x+x^6-24\*x^5+8\*x^3+15\*x^4-15\*x^2)/(x^3-12\*x^2+x+2)/  
(x^4-12\*x^2+1) lgdogf  
A164826 9.46446 [ (x^3-12\*x^2+x+2)/(x^4-12\*x^2+1) ogf ]  
A164827 13.5413 [ (x-2)/(10\*x^2+x-1) ogf ]  
A164827 16.9496 -(-1-40\*x+10\*x^2)/(x-2)/(10\*x^2+x-1) lgdogf  
A164827 7.50480 [{-a(n+2)+a(n+1)+10\*a(n), a(0) = 2, a(1) = 1}, ogf ]  
A164828 9.31482 [ -(10\*x^4-109\*x^3-x-1)/(x^2+1)/(x^4-12\*x^2+1) ogf ]  
A164835 3.97528 [ (x^2+1)\*(x^4+1)\*(x+1)^2/  
(78\*x^8-12\*x^7-12\*x^6-12\*x^5-12\*x^4-12\*x^3-12\*x^2-12\*x+1) ogf ]  
A164845 11.4839 [ (x^2-x+3)/(x-1)^4 ogf ]  
A164845 26.8081 -(11-x+2\*x^2)/(x-1)/(x^2-x+3) lgdogf  
A164845 3.94222 [{(3\*n+12)\*a(n+4)+(-23-4\*n)\*a(n+3)+(5+2\*n)\*a(n+2)+(-3-n)\*a(n+1),  
a(0) = 3, a(1) = 11, a(2) = 27, a(3) = 54}, ogf ]  
A164849 4.27454 [ -(x-1)\*(x+1)/(10\*x+1)/(10\*x-1)/(x^2+x-1) ogf ]  
A164854 2.83310 [ -(x-1)\*(x+1)/(10\*x^2-1)/(x^2+x-1) ogf ]  
A164856 3.25662 [ -(101\*x^3+100\*x^2-101\*x-1)/(10\*x+1)/(10\*x-1)/(x^2+x-1) ogf ]  
A164860 4.08509 [ (x^2+1)\*(x^4+1)\*(x+1)^2/  
(91\*x^8-13\*x^7-13\*x^6-13\*x^5-13\*x^4-13\*x^3-13\*x^2-13\*x+1) ogf ]  
A164867 4.11905 [ (x^2+1)\*(x^4+1)\*(x+1)^2/  
(105\*x^8-14\*x^7-14\*x^6-14\*x^5-14\*x^4-14\*x^3-14\*x^2-14\*x+1) ogf ]  
A164868 4.22802 [ (x^2+1)\*(x^4+1)\*(x+1)^2/  
(120\*x^8-15\*x^7-15\*x^6-15\*x^5-15\*x^4-15\*x^3-15\*x^2-15\*x+1) ogf ]  
A164870 12.5455 [ -(2\*x-1)^2/(6\*x^3-10\*x^2+6\*x-1) ogf ]  
A164870 12.6231 -2\*(x-1)\*(6\*x^2-3\*x+1)/(2\*x-1)/(6\*x^3-10\*x^2+6\*x-1) lgdogf  
A164870 6.88335 [{a(n+3)-6\*a(n+2)+10\*a(n+1)-6\*a(n), a(0) = 1, a(1) = 2, a(2) =  
6}, ogf ]  
A164871 5.45288 [ (x-1)\*(18\*x^5-80\*x^4+97\*x^3-51\*x^2+12\*x-1)/(2\*x-1)/  
(36\*x^5-90\*x^4+99\*x^3-51\*x^2+12\*x-1) ogf ]  
A164892 4.29340 [ (x^2+1)\*(x^4+1)\*(x+1)^2/  
(136\*x^8-16\*x^7-16\*x^6-16\*x^5-16\*x^4-16\*x^3-16\*x^2-16\*x+1) ogf ]  
A164897 14.4189 [ -(3\*x^2+2\*x+3)/(x-1)^3 ogf ]  
A164897 23.9996 -(11+10\*x+3\*x^2)/(x-1)/(3\*x^2+2\*x+3) lgdogf

A164897 7.71536 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 3, a(1) = 11, a(2) = 27\}$ , ogf]  
A164900 9.08059 [ $-(x^5+3x^4+2x^2+3x+3)/(x-1)^3/(x+1)^3$  ogf]  
A164900 9.60058 [ $-(3+22x+x^6+6x^5+20x^3+5x^4+15x^2)/(x-1)/(x+1)/(x^5+3x^4+2x^2+3x+3)$  lgdogf]  
A164906 11.2637 [ $\{a(n+2)-4a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A164906 16.0684 [ $-1/2*\ln(3)+1/2*\ln(2+2x+(1+4x^2+8x)^{1/2})$  revegfg]  
A164906 17.5823 [ $-(4x+1)/(2x-1)/(2x+1)$  ogf]  
A164906 17.6753 [ $-4*(1+2x+4x^2)/(4x+1)/(2x+1)/(2x-1)$  lgdogf]  
A164907 14.6252 [ $-(3x+1)/(x+1)/(3x-1)$  ogf]  
A164907 16.1276 [ $1/6*(-2x-1+(1+16x+16x^2)^{1/2})/(1+x)$  revogfg]  
A164907 17.4352 [ $-(5+6x+9x^2)/(-1+3x)/(3x+1)/(x+1)$  lgdogf]  
A164907 8.02605 [ $\{a(n+2)-2a(n+1)-3a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A164908 16.4401 [ $-(2x+1)/(4x-1)$  ogf]  
A164908 18.6170 [ $-1/4-x+1/4*(1+16x+16x^2)^{1/2}$  revogfg]  
A164908 31.3549 [ $-6/(2x+1)/(-1+4x)$  lgdogf]  
A164908 8.44840 [ $\{a(n+2)-4a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A164909 3.87730 [ $-(171x^8+19x^7+19x^6+19x^5+19x^4+19x^3+19x^2+19x+1)/(323x^6+323x^4+323x^2-1)$  ogf]  
A164911 3.92062 [ $-(190x^8+20x^7+20x^6+20x^5+20x^4+20x^3+20x^2+20x+1)/(360x^6+360x^4+360x^2-1)$  ogf]  
A164913 14.9090 [ $1/(10x-1)/(x^2-x-1)$  ogf]  
A164913 17.4751 [ $-(-9-22x+30x^2)/(10x-1)/(x^2-x-1)$  lgdogf]  
A164913 5.57466 [ $\{a(n+3)-9a(n+2)-11a(n+1)+10a(n), a(0) = 1, a(1) = 9, a(2) = 92\}$ , ogf]  
A164916 5.45312 [ $-(128x^7+192x^6+128x^5-112x^4+24x^3+20x^2+8x-1)/(2x-1)^2/(2x+1)^2/(4x^2+1)^2$  ogf]  
A164938 33.8322 [[ $8-2x$ ] ogf\_with\_Euler\_transform]  
A164938 35.3148 [ $-4*(x+2)/(x-1)/(x+1)$  lgdogf]  
A164938 5.34914 [ $\{(n+2)*a(n+3)-8*a(n+2)+(-4-n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 24\}$ , ogf]  
A164938 7.79114 [ $3x*(x+1)^2/(x-1)^6$  ogf]  
A164954 3.98560 [ $-(210x^8+21x^7+21x^6+21x^5+21x^4+21x^3+21x^2+21x+1)/(399x^6+399x^4+399x^2-1)$  ogf]  
A164956 4.00726 [ $-(231x^8+22x^7+22x^6+22x^5+22x^4+22x^3+22x^2+22x+1)/(440x^6+440x^4+440x^2-1)$  ogf]  
A164957 4.11556 [ $-(253x^8+23x^7+23x^6+23x^5+23x^4+23x^3+23x^2+23x+1)/(483x^6+483x^4+483x^2-1)$  ogf]  
A164959 4.13723 [ $-(276x^8+24x^7+24x^6+24x^5+24x^4+24x^3+24x^2+24x+1)/(528x^6+528x^4+528x^2-1)$  ogf]  
A164963 4.18055 [ $-(300x^8+25x^7+25x^6+25x^5+25x^4+25x^3+25x^2+25x+1)/(575x^6+575x^4+575x^2-1)$  ogf]  
A164964 4.22387 [ $-(325x^8+26x^7+26x^6+26x^5+26x^4+26x^3+26x^2+26x+1)/(624x^6+624x^4+624x^2-1)$  ogf]  
A164965 17.1245 [ $-1/(x-1)/(x^2-x+1)$  ogf]  
A164965 19.1483 [ $x^5-x^2-x+2$  ogf\_with\_Euler\_transform]  
A164965 24.6649 [ $-(2-4x+3x^2)/(x-1)/(x^2-x+1)$  lgdogf]  
A164965 5.65721 [ $\{a(n+3)-2a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 2\}$ , ogf]  
A164969 4.26719 [ $-(351x^8+27x^7+27x^6+27x^5+27x^4+27x^3+27x^2+27x+1)/(675x^6+675x^4+675x^2-1)$  ogf]  
A164970 4.33217 [ $-(378x^8+28x^7+28x^6+28x^5+28x^4+28x^3+28x^2+28x+1)/(728x^6+728x^4+728x^2-1)$  ogf]  
A164974 4.35384 [ $-(406x^8+29x^7+29x^6+29x^5+29x^4+29x^3+29x^2+29x+1)/(783x^6+783x^4+783x^2-1)$  ogf]  
A164983 4.39716 [ $-(435x^8+30x^7+30x^6+30x^5+30x^4+30x^3+30x^2+30x+1)/(840x^6+840x^4+840x^2-1)$  ogf]  
A164985 5.17815 [ $-3*(2+18x+26244x^6+19683x^5+1458x^3+4131x^4+405x^2+19683x^7)/(729x^5+486x^4+243x^3+27x^2+6x+1)/(81x^3-1)$  lgdogf]  
A164985 6.64740 [ $(729x^5+486x^4+243x^3+27x^2+6x+1)/(81x^3-1)^2$  ogf]

A164991 3.78384 [  $\{-8*a(n)*n+4*a(n+1)*n+(2*n+6)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A164992 4.41881 [  $-(465*x^8+31*x^7+31*x^6+31*x^5+31*x^4+31*x^3+31*x^2+31*x+1)/(899*x^6+899*x^4+899*x^2-1)$  ogf]  
A165020 24.1779 [  $-(x^4+2)/(x-1)$  ogf]  
A165020 32.4226  $(-2-4*x^3+3*x^4)/(x-1)/(x^4+2)$  lgdogf  
A165020 9.17864 [  $\{-a(n+2)+a(n+1), a(0) = 2, a(1) = 2, a(2) = 2, a(3) = 2, a(4) = 3\}$ , ogf]  
A165023 3.17056 [  $-6*(819200*x^6-1047040*x^5+147232*x^4+108160*x^3-28906*x^2+1690*x-21)/(x-1)/(4*x-1)/(64*x-1)/(16*x-1)$  ogf]  
A165024 14.0498 [  $-(x^2+2)/(x-1)$  ogf]  
A165024 21.5086  $(-2-2*x+x^2)/(x-1)/(x^2+2)$  lgdogf  
A165024 6.85765 [  $\{-a(n+3)+a(n+2), a(0) = 2, a(1) = 2, a(2) = 3\}$ , ogf]  
A165025 6.89569  $x*(2-8*x^5+22*x^7-13*x^9-7*x^{10}+3*x^{11}-13*x^4+3*x^{12}+6*x^2+8*x+16*x^6-x^3)/(x-1)/(x+1)/(x^2+x+1)/(x^{10}-3*x^8+2*x^6-x^3+x^2-1)$  lgdogf  
A165025 7.95069 [  $(x^{10}-3*x^8+2*x^6-x^3+x^2-1)/(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A165026 5.79189 [  $-(x^{11}-2*x^{10}-2*x^9+6*x^8+2*x^7-5*x^6-2*x^5+x^4+2*x^3-x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A165027 8.09062 [  $(x^7-x^6-2*x^5+x^4+x^2-1)/(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A165027 9.59823  $x*(2+4*x^5+x^7+x^8+7*x^4-x^2+x^3+5*x-2*x^6)/(x-1)/(x+1)/(x^2+x+1)/(x^7-x^6-2*x^5+x^4+x^2-1)$  lgdogf  
A165059 8.85083 [  $(5*x^{24}-5*x^{23}+5*x^{21}-5*x^{18}+5*x^{16}-5*x^{13}+x^{11}-x^8+4*x^6-6)/(x-1)$  ogf]  
A165063 14.3041  $2*(1+x+10*x^5+11*x^3-20*x^4-2*x^2)/(x-1)/(5*x^5-5*x^4+x^3-x^2+4*x-6)$  lgdogf  
A165063 14.3666 [  $(5*x^5-5*x^4+x^3-x^2+4*x-6)/(x-1)$  ogf]  
A165066 5.65560 [  $-(x^{14}-x^8+x^5-x^4+x^2+x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A165130 10.6009  $-(-189+868*x+448*x^3-1136*x^2)/(x-1)/(28*x-31)/(2*x-1)/(-1+4*x)$  lgdogf  
A165130 11.2878 [  $x*(28*x-31)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A165130 5.88927 [  $\{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 0, a(1) = 31, a(2) = 189\}$ , ogf]  
A165131 4.41881 [  $-(496*x^8+32*x^7+32*x^6+32*x^5+32*x^4+32*x^3+32*x^2+32*x+1)/(960*x^6+960*x^4+960*x^2-1)$  ogf]  
A165133 10.4041 [  $-3*(28*x^2-39*x+10)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A165133 5.86899 [  $\{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 30, a(1) = 93, a(2) = 315\}$ , ogf]  
A165133 8.98840  $-(31-224*x-624*x^3+224*x^4+590*x^2)/(x-1)/(-1+4*x)/(2*x-1)/(28*x^2-39*x+10)$  lgdogf  
A165140 4.46577 [  $-(528*x^8+33*x^7+33*x^6+33*x^5+33*x^4+33*x^3+33*x^2+33*x+1)/(1023*x^6+1023*x^4+1023*x^2-1)$  ogf]  
A165145 15.1846 [  $-(x+1)*(x^2-x+1)*(x^6-x^3+1)/(x-1)^3$  ogf]  
A165145 16.3393  $3*(-1-3*x^8+2*x^9)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  lgdogf  
A165145 28.7123  $[-x^{17}+x^8+3$  ogf\_with\_Euler\_transform]  
A165147 12.5566 [  $-(x-1)/(7*x-1)/(3*x-1)$  ogf]  
A165147 12.8484  $-1/2*(-1-10*x+(1+16*x+16*x^2)^{1/2})/(1+21*x)$  revogf  
A165147 14.4544  $-3*(3-14*x+7*x^2)/(x-1)/(-1+3*x)/(7*x-1)$  lgdogf  
A165147 7.02570 [  $\{-a(n+2)+10*a(n+1)-21*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A165148 13.2577 [  $-(2*x-1)/(8*x-1)/(4*x-1)$  ogf]  
A165148 13.5806  $-1/4*(-1-12*x+(1+16*x+16*x^2)^{1/2})/(1+16*x)$  revogf  
A165148 14.2123  $-2*(5-32*x+32*x^2)/(8*x-1)/(2*x-1)/(-1+4*x)$  lgdogf  
A165148 7.33073 [  $\{-a(n+2)+12*a(n+1)-32*a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A165149 12.3416 [  $-(3*x-1)/(9*x-1)/(5*x-1)$  ogf]  
A165149 12.6284  $-1/6*(-1-14*x+(1+16*x+16*x^2)^{1/2})/(1+15*x)$  revogf  
A165149 13.2157  $-(11-90*x+135*x^2)/(-1+3*x)/(9*x-1)/(5*x-1)$  lgdogf  
A165149 6.82418 [  $\{-a(n+2)+14*a(n+1)-45*a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
A165150 11.8075 [  $-(4*x-1)/(10*x-1)/(6*x-1)$  ogf]  
A165150 12.0753  $-1/8*(-1-16*x+(1+16*x+16*x^2)^{1/2})/(1+15*x)$  revogf  
A165150 12.0753  $-12*(1-10*x+20*x^2)/(6*x-1)/(-1+4*x)/(10*x-1)$  lgdogf



A165150 6.52884 [ $\{-a(n+2)+16*a(n+1)-60*a(n), a(0) = 1, a(1) = 12\}$ , ogf]  
A165151 11.8075 [ $-(5*x-1)/(11*x-1)/(7*x-1)$  ogf]  
A165151 12.0753  $-1/2*(-1-18*x+(1+16*x+16*x^2)^{1/2})/(5+77*x)$  revogf  
A165151 12.3498  $-(13-154*x+385*x^2)/(7*x-1)/(5*x-1)/(11*x-1)$  lgdogf  
A165151 6.52884 [ $\{-a(n+2)+18*a(n+1)-77*a(n), a(0) = 1, a(1) = 13\}$ , ogf]  
A165152 10.7785  $-1/12*(-1-20*x+(1+16*x+16*x^2)^{1/2})/(1+16*x)$  revogf  
A165152 10.7903 [ $-(6*x-1)/(12*x-1)/(8*x-1)$  ogf]  
A165152 11.2684  $-2*(7-96*x+288*x^2)/(6*x-1)/(8*x-1)/(12*x-1)$  lgdogf  
A165152 5.96641 [ $\{-a(n+2)+20*a(n+1)-96*a(n), a(0) = 1, a(1) = 14\}$ , ogf]  
A165154 15.9424 [ $-x/(9*x+1)/(100*x-1)$  ogf]  
A165154 6.59422  $1/1800/x*(-91*x-1+(11881*x^2+182*x+1)^{1/2})$  revogf  
A165154 7.59162 [ $\{-a(n+2)+91*a(n+1)+900*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A165154 9.67153  $-(91+1800*x)/(9*x+1)/(100*x-1)$  lgdogf  
A165155 11.6715  $-(-111+2200*x)/(100*x-1)/(11*x-1)$  lgdogf  
A165155 17.8029 [ $x/(100*x-1)/(11*x-1)$  ogf]  
A165155 7.86642 [ $\{a(n+2)-111*a(n+1)+1100*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A165155 8.55913  $-1/2200*(-111*x-1+(7921*x^2+222*x+1)^{1/2})/x$  revogf  
A165157 15.9203  $-(-3-5*x+4*x^3+2*x^4-4*x^2)/(x-1)/(x+1)/(x^3+x^2-2*x-1)$  lgdogf  
A165157 9.97694 [ $x*(x^3+x^2-2*x-1)/(x+1)^2/(x-1)^3$  ogf]  
A165166 4.46577 [ $-(561*x^8+34*x^7+34*x^6+34*x^5+34*x^4+34*x^3+34*x^2+34*x+1)/(1088*x^6+1088*x^4+1088*x^2-1)$  ogf]  
A165167 4.46577 [ $-(595*x^8+35*x^7+35*x^6+35*x^5+35*x^4+35*x^3+35*x^2+35*x+1)/(1155*x^6+1155*x^4+1155*x^2-1)$  ogf]  
A165168 4.50811 [ $-(630*x^8+36*x^7+36*x^6+36*x^5+36*x^4+36*x^3+36*x^2+36*x+1)/(1224*x^6+1224*x^4+1224*x^2-1)$  ogf]  
A165183 4.76830 [ $(x^2+x+1)*(x^6+x^3+1)/(x^8-2*x^7+x^6-2*x^5+x^4-2*x^3+x^2-2*x+1)$  ogf]  
A165184 3.96896 [ $(x+1)*(x^2+x+1)*(x^6+x^3+1)/(3*x^9-2*x^8-2*x^7-2*x^6-2*x^5-2*x^4-2*x^3-2*x^2-2*x+1)$  ogf]  
A165185 3.98701 [ $(x+1)*(x^2+x+1)*(x^6+x^3+1)/(6*x^9-3*x^8-3*x^7-3*x^6-3*x^5-3*x^4-3*x^3-3*x^2-3*x+1)$  ogf]  
A165187 13.6048  $-12*(2+14*x+3*x^3+16*x^2)/(x-1)/(9*x^3+33*x^2+17*x+1)$  lgdogf  
A165187 4.03659 [ $\{(-6*n^2-54*n-120)*a(n+1)+(7*n^2+30*n+56)*a(n+2)+(-n^2-6*n-9)*a(n+3), a(0) = 1, a(1) = 24, a(2) = 180\}$ , ogf]  
A165187 6.86597 [ $-(9*x^3+33*x^2+17*x+1)/(x-1)^7$  ogf]  
A165188 11.3041 [ $1/(x^2+x+1)/(x+1)^3/(x-1)^4$  ogf]  
A165188 20.3280  $-3*x*(2+3*x^2+3*x)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A165188 32.8601 [ $[x^2+3*x]$  ogf\_with\_Euler\_transform]  
A165189 12.9248  $-2*(1+3*x+x^2+3*x^3+x^4+6*x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A165189 28.0132 [ $[x^5+2*x+2]$  ogf\_with\_Euler\_transform]  
A165189 7.56318 [ $-1/(x^2+x+1)/(x^2-x+1)/(x+1)^3/(x-1)^5$  ogf]  
A165190 14.3041  $-x^3*(9*x^3+9*x^2+4+9*x+9*x^4)/(x-1)/(x+1)/(1+x^2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A165190 23.4968 [ $1/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A165190 33.1513 [ $[x^4+x^3]$  ogf\_with\_Euler\_transform]  
A165192 13.3217 [ $(x^2+x+1)/(x^3-x+1)$  ogf]  
A165192 17.9947  $-(-2-2*x+2*x^3+x^4+4*x^2)/(x^2+x+1)/(x^3-x+1)$  lgdogf  
A165192 7.51116 [ $\{-a(n+3)+a(n+2)-a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$ , ogf]  
A165202 10.7152 [ $(x+1)/(x^2-x+1)^2$  ogf]  
A165202 19.7273 [ $2*x^5-2*x^2-3*x+3$  ogf\_with\_Euler\_transform]  
A165202 26.2245  $-3*(-1+x+x^2)/(x+1)/(x^2-x+1)$  lgdogf  
A165204 9.13109 [ $-(x^3-2*x^2+8*x-1)/(x^4-3*x^3+8*x^2-3*x+1)$  ogf]  
A165206 10.5617  $-(-3-23*x-5*x^3+x^4+24*x^2)/(x^2-3*x+1)/(x^3-4*x^2+9*x-1)$  lgdogf  
A165206 6.99455 [ $-(x^3-4*x^2+9*x-1)/(x^2-3*x+1)^2$  ogf]  
A165207 17.3911 [ $-2*(2*x^2+1)/(x-1)/(x^2+1)$  ogf]  
A165207 23.1590  $-(1+2*x+2*x^4+x^2)/(x-1)/(2*x^2+1)/(1+x^2)$  lgdogf  
A165207 8.85083 [ $\{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 2, a(1) = 2, a(2) = 4\}$ , ogf]  
A165211 11.4559 [ $-x*(x^2-x+1)/(x-1)/(x^4+1)$  ogf]  
A165211 15.1653 [ $x*(x^6-x^4-x^2+x+1)$  ogf\_with\_Euler\_transform]  
A165211 17.3692  $-x*(2+3*x^5-6*x^4-4*x^2+8*x^3-x)/(x-1)/(x^2-x+1)/(x^4+1)$  lgdogf

A165213 3.70552 [  $(x+1)*(x^2+x+1)*(x^6+x^3+1)/(10*x^9-4*x^8-4*x^7-4*x^6-4*x^5-4*x^4-4*x^3-4*x^2-4*x+1)$  ogf]  
A165214 3.64975 [  $(x+1)*(x^2+x+1)*(x^6+x^3+1)/(15*x^9-5*x^8-5*x^7-5*x^6-5*x^5-5*x^4-5*x^3-5*x^2-5*x+1)$  ogf]  
A165215 4.11385 [  $(x+1)*(x^2+x+1)*(x^6+x^3+1)/(21*x^9-6*x^8-6*x^7-6*x^6-6*x^5-6*x^4-6*x^3-6*x^2-6*x+1)$  ogf]  
A165216 4.32482 [  $(x+1)*(x^2+x+1)*(x^6+x^3+1)/(28*x^9-7*x^8-7*x^7-7*x^6-7*x^5-7*x^4-7*x^3-7*x^2-7*x+1)$  ogf]  
A165219 4.04342 [  $(x+1)*(x^2+x+1)*(x^6+x^3+1)/(36*x^9-8*x^8-8*x^7-8*x^6-8*x^5-8*x^4-8*x^3-8*x^2-8*x+1)$  ogf]  
A165220 15.8654  $-2*(307+418*x+43*x^2)/(x-1)/(43*x^2+250*x+91)$  lgdogf  
A165220 9.40701 [  $x*(43*x^2+250*x+91)/(x-1)^4$  ogf]  
A165222 5.36309 [  $\{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = 34, a(1) = 99, a(2) = 325\}$ , ogf]  
A165222 7.78629  $-(99-736*x-2224*x^3+864*x^4+2006*x^2)/(x-1)/(2*x-1)/(-1+4*x)/(108*x^2-139*x+34)$  lgdogf  
A165222 9.36539 [  $-(108*x^2-139*x+34)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A165224 11.0917 [  $-(9*x-1)/(49*x^2-18*x+1)$  ogf]  
A165224 12.4385  $-(9-98*x+441*x^2)/(9*x-1)/(49*x^2-18*x+1)$  lgdogf  
A165224 6.20608 [  $\{a(n+2)-18*a(n+1)+49*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A165225 12.4178 [  $-(5*x-1)/(5*x^2-10*x+1)$  ogf]  
A165225 14.3447  $-5*(1-2*x+5*x^2)/(5*x-1)/(5*x^2-10*x+1)$  lgdogf  
A165225 14.7222  $-1/10*(-1-10*x+(1+80*x^2)^{(1/2)})/(1+x)$  revogf  
A165225 6.88218 [  $\{a(n+2)-10*a(n+1)+5*a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A165229 3.90961 [  $-(6*x-1)/(6*x^2-12*x+1)$  ogf]  
A165230 15.7602 [  $-(7*x-1)/(7*x^2-14*x+1)$  ogf]  
A165230 8.73454 [  $\{a(n+2)-14*a(n+1)+7*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A165231 11.4560 [  $-(8*x-1)/(8*x^2-16*x+1)$  ogf]  
A165231 13.2216  $-8*(1-2*x+8*x^2)/(8*x-1)/(8*x^2-16*x+1)$  lgdogf  
A165231 6.34912 [  $\{a(n+2)-16*a(n+1)+8*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A165232 10.2767  $-1/18*(-1-18*x+(1+288*x^2)^{(1/2)})/(1+x)$  revogf  
A165232 10.2767  $-9*(1-2*x+9*x^2)/(9*x-1)/(9*x^2-18*x+1)$  lgdogf  
A165232 4.95933 [  $\{a(n+2)-18*a(n+1)+9*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A165232 8.94835 [  $-(9*x-1)/(9*x^2-18*x+1)$  ogf]  
A165233 14.1830 [  $(x+1)/(x^2+1)$  egf]  
A165233 22.2137  $-(1+2*x+x^2)/(x+1)/(1+x^2)$  lgdegf  
A165246 11.5615 [  $-(60*x-7)/(10*x-1)/(x-1)$  ogf]  
A165246 12.3498  $-1/20*(-7-11*x+(49-86*x+81*x^2)^{(1/2)})/(6+x)$  revogf  
A165246 12.6370  $-(17-140*x+600*x^2)/(x-1)/(60*x-7)/(10*x-1)$  lgdogf  
A165246 6.52884 [  $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 7, a(1) = 17\}$ , ogf]  
A165247 10.2114 [  $-(80*x-9)/(10*x-1)/(x-1)$  ogf]  
A165247 10.6403  $-1/20*(-9-11*x+(81-122*x+81*x^2)^{(1/2)})/(8+x)$  revogf  
A165247 11.1352  $-(19-180*x+800*x^2)/(x-1)/(80*x-9)/(10*x-1)$  lgdogf  
A165247 5.76641 [  $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 9, a(1) = 19\}$ , ogf]  
A165248 5.43821 [  $-5*x*(x^{10}+3*x^9+33*x^8+4*x^7+102*x^6+30*x^5+118*x^4+6*x^3+57*x^2+7*x+9)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
A165259 5.01198 [  $\{a(n+2)-97*a(n+1)+1296*a(n), a(0) = 1, a(1) = 61\}$ , ogf]  
A165259 8.68942  $-(61-2592*x+46656*x^2)/(81*x-1)/(36*x-1)/(16*x-1)$  lgdogf  
A165259 8.72084 [  $-(36*x-1)/(81*x-1)/(16*x-1)$  ogf]  
A165259 8.87045  $-1/72*(-1-97*x+(1+50*x+4225*x^2)^{(1/2)})/(1+36*x)$  revogf  
A165281 5.99265 [  $(1901*x^4-2774*x^3+2616*x^2-1274*x+251)/(x-1)^6$  ogf]  
A165283 10.7509 [  $(16*x+1)/(16*x-1)^2$  ogf]  
A165283 12.5781  $-1/32*(-1-32*x+(1+128*x)^{(1/2)})/(-1+16*x)$  revogf  
A165283 17.1901  $-16*(3+16*x)/(16*x-1)/(16*x+1)$  lgdogf  
A165283 6.12549 [  $\{-a(n+2)+32*a(n+1)-256*a(n), a(0) = 1, a(1) = 48\}$ , ogf]  
A165300 4.17184 [  $(100*x^7-200*x^6+200*x^5-190*x^4+110*x^3+11*x^2+x+1)/(x-1)/(10*x^2+1)/(10*x^2-1)/(x^2+1)$  ogf]  
A165310 13.3945 [  $-(4*x-1)/(9*x^2-7*x+1)$  ogf]  
A165310 14.0569  $-1/2*(-1-7*x+(1-2*x+13*x^2)^{(1/2)})/(4+9*x)$  revogf  
A165310 15.1382  $-3*(1-6*x+12*x^2)/(4*x-1)/(9*x^2-7*x+1)$  lgdogf

A165310 7.35065  $[ \{a(n+2)-7*a(n+1)+9*a(n), a(0) = 1, a(1) = 3\}, \text{ogf}]$   
A165311 13.1708  $[ -(5*x-1)/(16*x^2-9*x+1) \text{ogf}]$   
A165311 13.8065  $-1/2*(-1-9*x+(1-2*x+17*x^2)^{1/2})/(5+16*x) \text{revogf}$   
A165311 14.8420  $-4*(1-8*x+20*x^2)/(5*x-1)/(16*x^2-9*x+1) \text{lgdogf}$   
A165311 7.29951  $[ \{a(n+2)-9*a(n+1)+16*a(n), a(0) = 1, a(1) = 4\}, \text{ogf}]$   
A165312 12.4291  $[ -(6*x-1)/(25*x^2-11*x+1) \text{ogf}]$   
A165312 13.0042  $-1/2*(-1-11*x+(1-2*x+21*x^2)^{1/2})/(6+25*x) \text{revogf}$   
A165312 13.6234  $-5*(1-10*x+30*x^2)/(6*x-1)/(25*x^2-11*x+1) \text{lgdogf}$   
A165312 6.95437  $[ \{a(n+2)-11*a(n+1)+25*a(n), a(0) = 1, a(1) = 5\}, \text{ogf}]$   
A165314 13.2577  $[ -(7*x-1)/(9*x-1)/(4*x-1) \text{ogf}]$   
A165314 5.93329  $2*(3+492480*x^5+344*x-355680*x^4+91580*x^3-9754*x^2)/(4*x-1)/(9*x-1)/(13680*x^4-4940*x^3+380*x^2-7*x+1) \text{lgdogf}$   
A165314 7.41800  $[ \{a(n+2)-13*a(n+1)+36*a(n), a(0) = 1, a(1) = 6\}, \text{ogf}]$   
A165322 12.1536  $[ -(8*x-1)/(49*x^2-15*x+1) \text{ogf}]$   
A165322 12.7146  $-1/2*(-1-15*x+(1-2*x+29*x^2)^{1/2})/(8+49*x) \text{revogf}$   
A165322 13.3201  $-7*(1-14*x+56*x^2)/(8*x-1)/(49*x^2-15*x+1) \text{lgdogf}$   
A165322 6.80025  $[ \{a(n+2)-15*a(n+1)+49*a(n), a(0) = 1, a(1) = 7\}, \text{ogf}]$   
A165323 11.4385  $[ -(9*x-1)/(64*x^2-17*x+1) \text{ogf}]$   
A165323 11.9556  $-1/2*(-1-17*x+(1-2*x+33*x^2)^{1/2})/(9+64*x) \text{revogf}$   
A165323 12.5249  $-8*(1-16*x+72*x^2)/(9*x-1)/(64*x^2-17*x+1) \text{lgdogf}$   
A165323 6.40011  $[ \{a(n+2)-17*a(n+1)+64*a(n), a(0) = 1, a(1) = 8\}, \text{ogf}]$   
A165324 11.5615  $[ -(10*x-1)/(81*x^2-19*x+1) \text{ogf}]$   
A165324 12.0753  $-1/2*(-1-19*x+(1-2*x+37*x^2)^{1/2})/(10+81*x) \text{revogf}$   
A165324 12.6370  $-9*(1-18*x+90*x^2)/(10*x-1)/(81*x^2-19*x+1) \text{lgdogf}$   
A165324 6.60656  $[ \{a(n+2)-19*a(n+1)+81*a(n), a(0) = 1, a(1) = 9\}, \text{ogf}]$   
A165326 10.5232  $[ \{a(n+2)+a(n+1), a(0) = 1, a(1) = 1\}, \text{ogf}]$   
A165326 20.4776  $[ (2*x+1)/(x+1) \text{ogf}]$   
A165326 28.8003  $-1/4+1/4*x+1/4*(1+6*x+x^2)^{1/2} \text{revogf}$   
A165326 61.4407  $1/(x+1)/(2*x+1) \text{lgdogf}$   
A165334 7.24896  $[ -(3*x^29-3*x^28+3*x^27-3*x^26+6*x^24-6*x^23+3*x^16-3*x^15-x-2)/(x-1)^2 \text{ogf}]$   
A165351 14.4234  $[ 3*x*(x^2+x+1)/(x-1)^2/(x+1)^2 \text{ogf}]$   
A165351 20.6490  $-(1+6*x+2*x^3+3*x^2)/(x-1)/(x+1)/(1+x^2+x) \text{lgdogf}$   
A165351 35.0649  $[-x^2+2*x+1 \text{ogf\_with\_Euler\_transform}]$   
A165351 7.65066  $[ \{(n+3)*a(n+1)+(-n-1)*a(n+3), a(0) = 0, a(1) = 3, a(2) = 3\}, \text{ogf}]$   
A165355 13.6647  $[ (x^3+5*x^2+2*x+1)/(x-1)^2/(x+1)^2 \text{ogf}]$   
A165355 15.5616  $-(2+14*x+x^4+10*x^3+9*x^2)/(x-1)/(x+1)/(x^3+5*x^2+2*x+1) \text{lgdogf}$   
A165367 13.7936  $[ (x^3+2*x^2+5*x+1)/(x-1)^2/(x+1)^2 \text{ogf}]$   
A165367 15.9968  $-(5+8*x+x^4+4*x^3+18*x^2)/(x-1)/(x+1)/(x^3+2*x^2+5*x+1) \text{lgdogf}$   
A165372 14.8969  $[ (33*x^2+22*x+9)/(x-1)^2 \text{ogf}]$   
A165372 24.3641  $-8*(5+11*x)/(x-1)/(33*x^2+22*x+9) \text{lgdogf}$   
A165372 7.80313  $[ \{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 9, a(1) = 40, a(2) = 104\}, \text{ogf}]$   
A165373 6.22802  $[ -(68*x^5-171*x^4+204*x^3+254*x^2+120*x+37)/(x-1)^5 \text{ogf}]$   
A165373 8.12114  $-(305+988*x+169*x^4-276*x^3+1374*x^2)/(x-1)/(68*x^5-171*x^4+204*x^3+254*x^2+120*x+37) \text{lgdogf}$   
A165374 4.02598  $[ -(128*x^8+1344*x^7+3104*x^6-3008*x^5+2932*x^4+4620*x^3+1609*x^2+782*x+105)/(x-1)^2/(2*x-1)^3 \text{ogf}]$   
A165378 12.1474  $(94-60*x+3*x^4-12*x^3+29*x^2)/(x-1)/(3*x^4-18*x^3+25*x^2+5*x-33) \text{lgdogf}$   
A165378 9.90482  $[ (3*x^4-18*x^3+25*x^2+5*x-33)/(x-1)^3 \text{ogf}]$   
A165381 7.13014  $[ -(x^6+13*x^5+58*x^4+249*x^3+268*x^2+174*x+37)/(x-1)^3 \text{ogf}]$   
A165381 7.20493  $(-285+20*x^5-884*x+3*x^6-7*x^4-232*x^3-1015*x^2)/(x-1)/(x^6+13*x^5+58*x^4+249*x^3+268*x^2+174*x+37) \text{lgdogf}$   
A165382 4.42620  $[ -(2*x^10-58*x^9+218*x^8+2666*x^7+9321*x^6+18104*x^5+21137*x^4+14754*x^3+6097*x^2+1382*x+105)/(x-1)^3/(x+1)^3 \text{ogf}]$   
A165386 3.37463  $[ -(4*x^10-16*x^9+9*x^8+60*x^7-98*x^6+8*x^5+108*x^4-88*x^3+14*x^2+4*x+3)/(2*x-1)^3/$

$(x-1)^6$  ogf]  
A165392 8.72766 [  $(x^6-5x^5+4x^4+8x^3-9x^2-6x-1)/(x-1)^3$  ogf]  
A165392 9.48044  $(9-16x^5+30x^3+3x^6+29x^4-16x^3-15x^2)/(x-1)/(x^6-5x^5+4x^4+8x^3-9x^2-6x-1)$  lgdogf  
A165393 4.90263 [  $(x^{10}-2x^9+5x^8-12x^7+3x^6-12x^5+19x^4-6x^3+41x^2+22x+3)/(x-1)^2$  ogf]  
A165394 14.3074  $-(9+20x+x^4+4x^3+6x^2)/(x-1)/(x+1)/(x^3-x^2+3x+1)$  lgdogf  
A165394 8.88203 [  $-(x+1)(x^3-x^2+3x+1)/(x-1)^5$  ogf]  
A165395 3.79862 [  $(8x^9-88x^8+216x^7-321x^6+270x^5-169x^4+76x^3-11x^2-10x-3)/(2x-1)^3/(x-1)^4$  ogf]  
A165402 11.5615 [  $(10x+1)/(10x-1)/(x-1)$  ogf]  
A165402 12.6370  $-( -21+20x+100x^2)/(x-1)/(10x+1)/(10x-1)$  lgdogf  
A165402 12.6370  $-1/20*(-1-11x+(1+62x+81x^2)^{1/2})/(x-1)$  revogf  
A165402 6.52884 [  $\{-a(n+2)+11a(n+1)-10a(n), a(0) = 1, a(1) = 21\}$ , ogf]  
A165405 14.1355 [  $-(4x+1)/(3x+1)/(2x-1)$  ogf]  
A165405 16.4792  $-3*(1+4x+8x^2)/(2x-1)/(3x+1)/(4x+1)$  lgdogf  
A165405 16.4792  $1/4*(-1+x+(1+14x+25x^2)^{1/2})/(2+3x)$  revogf  
A165405 7.75728 [  $\{a(n+2)+a(n+1)-6a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A165407 13.0383  $1/2*(-1-2x-x^2+(5x^3+3x^2+3x+1)^{1/2}*(1+x)^{1/2})/x^2$  revogf  
A165409 10.0578  $1/4*(-1-4x-4x^2+(2x+1)^{1/2}*(1+4x)^{1/2}*(4x^2+2x+1)^{1/2})/x^2$  revogf  
A165431 18.9275  $-2*(-1+6x^2)/(2x-1)/(4x^2+2x-1)$  lgdogf  
A165431 4.09483 [  $\{-n-4\}a(n+4)+(14+4n)a(n+3)+(-20-8n)a(n+1), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 16\}$ , ogf]  
A165433 3.97912 [  $\{(2n+5)a(n+1)+(-2n-5)a(n+2)+2a(n+4)-3a(n+3), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 3\}$ , ogf]  
A165443 6.69190  $-(5521-3359232x+2176782336x^2)/(256x-1)/(1296x-1)/(6561x-1)$  lgdogf  
A165443 7.13803  $-1/2592*(-1-6817x+(1+8450x+39753025x^2)^{1/2})/(1+1296x)$  revogf  
A165453 17.3087 [  $-( -2x^2-x-2)/(x^2+1)$  ogf\_with\_Euler\_transform]  
A165457 4.48218 [  $\{(4n^2+22n+28)a(n+1)-a(n+2), a(0) = 1, a(1) = 10\}$ , ogf]  
A165458 12.9195 [  $-(5x+1)/(4x+1)/(3x-1)$  ogf]  
A165458 14.8051  $-4*(1+6x+15x^2)/(5x+1)/(3x-1)/(4x+1)$  lgdogf  
A165458 14.8051  $1/2/(5+12x)*(-1+x+(1+18x+49x^2)^{1/2})$  revogf  
A165458 7.16018 [  $\{a(n+2)+a(n+1)-12a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A165470 12.1626 [  $-(6x+1)/(5x+1)/(4x-1)$  ogf]  
A165470 13.7212  $-5*(1+8x+24x^2)/(5x+1)/(4x-1)/(6x+1)$  lgdogf  
A165470 13.7212  $1/4*(-1+x+(1+22x+81x^2)^{1/2})/(3+10x)$  revogf  
A165470 6.74070 [  $\{a(n+2)+a(n+1)-20a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A165478 10.5254 [  $x^*(x+131070)/(x+1)/(x-1)^2$  ogf]  
A165478 13.6742  $-(131071+393211x+2x^2)/(x+131070)/(x-1)/(x+1)$  lgdogf  
A165478 5.39319 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 131070, a(2) = 131071\}$ , ogf]  
A165479 5.04230 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 43690, a(1) = 131070, a(2) = 174761\}$ , ogf]  
A165479 9.20768 [  $(x^2+87380x+43690)/(x+1)/(x-1)^2$  ogf]  
A165479 9.57380  $-(131070+218452x+x^3+174761x^2)/(x-1)/(x+1)/(x^2+87380x+43690)$  lgdogf  
A165491 13.3049 [  $-(7x+1)/(6x+1)/(5x-1)$  ogf]  
A165491 14.5720  $-6*(1+10x+35x^2)/(5x-1)/(7x+1)/(6x+1)$  lgdogf  
A165491 14.5720  $1/2/(7+30x)*(-1+x+(1+26x+121x^2)^{1/2})$  revogf  
A165491 7.37381 [  $\{a(n+2)+a(n+1)-30a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A165505 13.1047 [  $-(8x+1)/(7x+1)/(6x-1)$  ogf]  
A165505 14.2078  $-7*(1+12x+48x^2)/(6x-1)/(7x+1)/(8x+1)$  lgdogf  
A165505 14.2078  $1/4*(-1+x+(1+30x+169x^2)^{1/2})/(4+21x)$  revogf  
A165505 7.26283 [  $\{a(n+2)+a(n+1)-42a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A165506 12.6993 [  $-(9x+1)/(8x+1)/(7x-1)$  ogf]  
A165506 13.0042  $1/2/(9+56x)*(-1+x+(1+9x)*(25x+1)^{1/2})$  revogf

A165506 13.6234  $-8*(1+14*x+63*x^2)/(8*x+1)/(9*x+1)/(7*x-1)$  lgdogf  
A165506 7.03816  $[ \{a(n+2)+a(n+1)-56*a(n), a(0) = 1, a(1) = 8\}, \text{ogf}]$   
A165510 13.0665  $[ -(10*x+1)/(9*x+1)/(8*x-1)$  ogf]  
A165510 14.0033  $-9*(1+16*x+80*x^2)/(10*x+1)/(9*x+1)/(8*x-1)$  lgdogf  
A165510 14.3367  $1/4*(-1+x+(1+38*x+289*x^2)^{(1/2)})/(5+36*x)$  revogf  
A165510 7.39910  $[ \{a(n+2)+a(n+1)-72*a(n), a(0) = 1, a(1) = 9\}, \text{ogf}]$   
A165511 12.2163  $[ -(11*x+1)/(10*x+1)/(9*x-1)$  ogf]  
A165511 12.4975  $-10*(1+18*x+99*x^2)/(9*x-1)/(11*x+1)/(10*x+1)$  lgdogf  
A165511 13.0788  $1/2/(11+90*x)*(-1+x+(1+42*x+361*x^2)^{(1/2)})$  revogf  
A165511 6.83531  $[ \{a(n+2)+a(n+1)-90*a(n), a(0) = 1, a(1) = 10\}, \text{ogf}]$   
A165516 9.65516  $[ -(x^4-95*x^2+60*x+4)/(x-1)/(x^2-10*x+1)/(x^2+10*x+1)$  ogf]  
A165517 6.93297  $[ x*(x^3+x^2-9*x-5)/(x-1)/(x^4-10*x^2+1)$  ogf]  
A165517 7.39576  $-2*(-7-49*x+x^7+x^6-19*x^5-9*x^4+99*x^3+31*x^2)/(x-1)/(x^3+x^2-9*x-5)/(x^4-10*x^2+1)$  lgdogf  
A165518 12.3292  $[ -4*(x^2-10*x+1)/(x-1)/(x^2-34*x+1)$  ogf]  
A165518 12.7461  $-(25-68*x+x^4-20*x^3+318*x^2)/(x-1)/(x^2-10*x+1)/(x^2-34*x+1)$  lgdogf  
A165518 6.63085  $[ \{-a(n+3)+35*a(n+2)-35*a(n+1)+a(n), a(0) = 4, a(1) = 100, a(2) = 3364\}, \text{ogf}]$   
A165521 5.01867  $[ -(x^3-2*x^2+3*x-1)*(x-1)^3/(x^7-4*x^6+12*x^5-23*x^4+28*x^3-19*x^2+7*x-1)$  ogf]  
A165526 3.71585  $[ (4*x^10-127*x^9+692*x^8-1657*x^7+2305*x^6-2045*x^5+1196*x^4-461*x^3+113*x^2-16*x+1)/(x^2-3*x+1)/(x-1)^2/(2*x-1)^6$  ogf]  
A165527 4.10149  $[ -(3*x^8-23*x^7+87*x^6-165*x^5+186*x^4-127*x^3+51*x^2-11*x+1)/(3*x-1)/(x^2-3*x+1)^2/(x-1)^4$  ogf]  
A165528 5.05275  $[ (6*x^7-58*x^6+168*x^5-218*x^4+152*x^3-59*x^2+12*x-1)/(x-1)/(2*x^2-4*x+1)/(2*x-1)^4$  ogf]  
A165529 4.19961  $[ -(2*x-1)*(14*x^8-82*x^7+260*x^6-447*x^5+438*x^4-249*x^3+81*x^2-14*x+1)/(3*x-1)^2/(x-1)^2/(x^2-3*x+1)^3$  ogf]  
A165530 3.44985  $[ \{-2*a(n+1)*n+(9*n-1)*a(n+2)+(-6*n+4)*a(n+3)+(n-1)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6, a(4) = 22, a(5) = 86\}, \text{ogf}]$   
A165530 8.23055  $-2*(-1+8*x+4*x^5-20*x^4+42*x^3-27*x^2)/(2*x-1)/(x^2-4*x+1)/(4*x^3-11*x^2+6*x-1)$  lgdogf  
A165530 9.22835  $[ -(x-1)*(3*x-1)^2/(x^2-4*x+1)/(2*x-1)^2$  ogf]  
A165553 12.6609  $[ -(5*x+1)/(3*x+1)/(x-1)$  ogf]  
A165553 14.1784  $1/2/(5+3*x)*(-1+2*x+(1+16*x+16*x^2)^{(1/2)})$  revogf  
A165553 15.6709  $-3*(1+2*x+5*x^2)/(x-1)/(5*x+1)/(3*x+1)$  lgdogf  
A165553 6.94807  $[ \{-a(n+2)-2*a(n+1)+3*a(n), a(0) = 1, a(1) = 3\}, \text{ogf}]$   
A165563 13.3455  $-(7-40*x+x^4-8*x^3-66*x^2)/(x-1)/(x^4-6*x^3-16*x^2-2*x-1)$  lgdogf  
A165563 8.21223  $[ (x^4-6*x^3-16*x^2-2*x-1)/(x-1)^5$  ogf]  
A165568 14.2536  $-(1+56*x+x^4+8*x^3+54*x^2)/(x-1)/(x^4+2*x^3+16*x^2+6*x-1)$  lgdogf  
A165568 8.57594  $[ -(x^4+2*x^3+16*x^2+6*x-1)/(x-1)^5$  ogf]  
A165618 4.34420  $[ x*(x-2)*(x^2-2*x+2)*(x^4-4*x^3+6*x^2-4*x+2)/(x-1)^9$  ogf]  
A165618 4.74433  $[ \{(n+10)*a(n+1)+(-2*n-13)*a(n+2)+(n+3)*a(n+3), a(0) = 0, a(1) = 8, a(2) = 44\}, \text{ogf}]$   
A165618 6.83496  $-(44+112*x-140*x^4+196*x^3-182*x^2-17*x^6+64*x^5+2*x^7)/(x-1)/(x-2)/(x^2-2*x+2)/(x^4-4*x^3+6*x^2-4*x+2)$  lgdogf  
A165622 15.5222  $[ -(7*x+1)/(4*x+1)/(x-1)$  ogf]  
A165622 8.51826  $[ \{-a(n+2)-3*a(n+1)+4*a(n), a(0) = 1, a(1) = 4\}, \text{ogf}]$   
A165625 12.1104  $[ -(9*x+1)/(5*x+1)/(x-1)$  ogf]  
A165625 13.4104  $1/2/(9+5*x)*(-1+4*x+(1+28*x+36*x^2)^{(1/2)})$  revogf  
A165625 14.8220  $-5*(1+2*x+9*x^2)/(x-1)/(5*x+1)/(9*x+1)$  lgdogf  
A165625 6.64596  $[ \{-a(n+2)-4*a(n+1)+5*a(n), a(0) = 1, a(1) = 5\}, \text{ogf}]$   
A165638 11.5922  $[ -(11*x+1)/(6*x+1)/(x-1)$  ogf]  
A165638 12.7493  $1/2/(11+6*x)*(-1+5*x+(1+34*x+49*x^2)^{(1/2)})$  revogf  
A165638 13.7055  $-6*(1+2*x+11*x^2)/(x-1)/(11*x+1)/(6*x+1)$  lgdogf  
A165638 6.50293  $[ \{-a(n+2)-5*a(n+1)+6*a(n), a(0) = 1, a(1) = 6\}, \text{ogf}]$   
A165639 12.5039  $[ -(13*x+1)/(7*x+1)/(x-1)$  ogf]

A165639 13.7246  $1/2/(13+7*x)*(-1+6*x+(1+40*x+64*x^2)^{(1/2)})$  revogf  
A165639 14.7540  $-7*(1+2*x+13*x^2)/(x-1)/(7*x+1)/(13*x+1)$  lgdogf  
A165639 7.01439  $[{-a(n+2)-6*a(n+1)+7*a(n), a(0) = 1, a(1) = 7}]$ , ogf]  
A165640 12.3909  $[ -(x^7-x^4-x^2-1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A165640 7.64660  $-x*(-x^9+x^{10}-x^8-3*x^7-2*x^6-2*x^{12}+x^{11}-15*x^3-9*x^2-5*x-15*x^4-10*x^5)/(x-1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^7-x^4-x^2-1)$  lgdogf  
A165662 12.6687  $[ -2*(4*x^4+3*x^3+4*x^2+2*x+2)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A165662 7.82006  $-(2+4*x^8+6*x^7+12*x^6+8*x+8*x^5+10*x^4+16*x^3+9*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(4*x^4+3*x^3+4*x^2+2*x+2)$  lgdogf  
A165664 12.3431  $[ -(8*x^6+7*x^5+8*x^4+2*x^3+2)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A165664 8.03866  $-x^2*(14*x^4+48*x^3+24*x^8+8*x^7+35*x^2+32*x+6+8*x^{10}+14*x^9)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(8*x^6+7*x^5+8*x^4+2*x^3+2)$  lgdogf  
A165665 13.9355  $[ (2*x+1)/(4*x-1)/(2*x-1)$  ogf]  
A165665 14.2920  $-1/4*(-1-6*x+(1+20*x+4*x^2)^{(1/2)})/(-1+4*x)$  revogf  
A165665 14.9892  $-8*(-1+2*x+2*x^2)/(2*x+1)/(2*x-1)/(4*x-1)$  lgdogf  
A165665 7.64754  $[{-a(n+2)+6*a(n+1)-8*a(n), a(0) = 1, a(1) = 8}]$ , ogf]  
A165669 12.2382  $[ -(4*x^6+8*x^5+5*x^4+5*x^3+8*x^2+4*x+2)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A165676 13.6117  $-(3*x-11)*(x^2-2*x+7)/(x-1)/(3*x^3-13*x^2+23*x-25)$  lgdogf  
A165676 3.58089  $[{(-37*n^2-284*n-420)*a(n+1)+(-22*n^2-374*n-891)*a(n+2)+(59*n^2+370*n+579)*a(n+3), a(0) = 50, a(1) = 154, a(2) = 342}]$ , ogf]  
A165676 8.68366  $[ -2*(3*x^3-13*x^2+23*x-25)/(x-1)^4$  ogf]  
A165677 6.21584  $[ -2*(12*x^4-63*x^3+137*x^2-163*x+137)/(x-1)^5$  ogf]  
A165677 8.79331  $-6*(87-63*x+2*x^4-13*x^3+37*x^2)/(x-1)/(12*x^4-63*x^3+137*x^2-163*x+137)$  lgdogf  
A165678 5.00435  $[ -12*(10*x^5-62*x^4+163*x^3-237*x^2+213*x-147)/(x-1)^6$  ogf]  
A165678 6.89760  $-(-669+591*x+10*x^5-74*x^4+241*x^3-459*x^2)/(x-1)/(10*x^5-62*x^4+163*x^3-237*x^2+213*x-147)$  lgdogf  
A165679 3.25287  $[{(-n^2-18*n-81)*a(n+1)+(2*n^2+24*n+48)*a(n+2)+(-n^2-6*n-9)*a(n+3), a(0) = 13068, a(1) = 69264, a(2) = 241128}]$ , ogf]  
A165679 4.03441  $[ -12*(60*x^6-430*x^5+1334*x^4-2341*x^3+2559*x^2-1851*x+1089)/(x-1)^7$  ogf]  
A165679 5.11710  $-4*(1443+15*x^6-1497*x-125*x^5+463*x^4-1007*x^3+1443*x^2)/(x-1)/(60*x^6-430*x^5+1334*x^4-2341*x^3+2559*x^2-1851*x+1089)$  lgdogf  
A165684 6.02918  $[ -x^4*(x^6-x-1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x+1)^4$  ogf]  
A165686 5.62601  $[ -x^9*(x^7+x^6-x^2-x-1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A165716 6.71375  $-2*x*(-5+26*x^3-22*x^2+8*x-4*x^5+7*x^4+2*x^7-4*x^6)/(2*x^4-2*x^3+x^2+2*x-1)/(2*x^5+11*x^4-4*x^3+6*x^2+2*x-1)$  lgdogf  
A165716 7.81885  $[ (2*x^4-2*x^3+x^2+2*x-1)/(2*x^5+11*x^4-4*x^3+6*x^2+2*x-1)$  ogf]  
A165717 10.8216  $[ (x^3-3*x-6)/(x+1)^2/(x-1)^3$  ogf]  
A165717 16.0316  $-(x-3)*(2*x^3+7*x^2+12*x+3)/(x-1)/(x+1)/(x^3-3*x-6)$  lgdogf  
A165717 4.20838  $[{(-n-6)*a(n+1)+(n+6)*a(n+2)+(n+4)*a(n+3)+(-n-4)*a(n+4), a(0) = 6, a(1) = 9, a(2) = 21, a(3) = 26}]$ , ogf]  
A165718 14.5313  $-(-5-15*x+2*x^4+4*x^3-4*x^2)/(x-1)/(x+1)/(x^3+x^2-2*x-3)$  lgdogf  
A165718 9.76127  $[ (x^3+x^2-2*x-3)/(x+1)^2/(x-1)^3$  ogf]  
A165719 10.4645  $[ (x^3-3*x-14)/(x+1)^2/(x-1)^3$  ogf]  
A165719 15.4006  $-(-17-73*x+2*x^4+x^3-9*x^2)/(x-1)/(x+1)/(x^3-3*x-14)$  lgdogf  
A165719 4.08116  $[{(-n-6)*a(n+1)+(n+6)*a(n+2)+(n+4)*a(n+3)+(-n-4)*a(n+4), a(0) = 14, a(1) = 17, a(2) = 45, a(3) = 50}]$ , ogf]  
A165720 13.8970  $-(-8-28*x+2*x^4+7*x^3-3*x^2)/(x-1)/(x+1)/(x^3+2*x^2-2*x-6)$  lgdogf  
A165720 9.66767  $[ (x^3+2*x^2-2*x-6)/(x+1)^2/(x-1)^3$  ogf]  
A165721 10.4659  $-(-14+12*x+6*x^4-12*x^3-25*x^2+x^6-6*x^5+2*x^7)/(x-1)/(x^2+1)/(x^5-x^3-2*x-4)$  lgdogf  
A165721 8.13390  $[ (x^5-x^3-2*x-4)/(x^2+1)^2/(x-1)^3$  ogf]  
A165734 13.7054  $[ -6*(5*x+1)/(x-1)/(x+1)$  ogf]  
A165734 15.5423  $-\ln(36)+\ln(30+x+(36+x^2+60*x)^{(1/2)})$  revevgf

A165734 16.4566  $-(5+2*x+5*x^2)/(x-1)/(5*x+1)/(x+1)$  lgdogf  
A165734 8.85577  $[ \{a(n+2)-a(n), a(0) = 6, a(1) = 30\},$  ogf]  
A165745 3.88239  $[ (x^4+x^3+x^2+x+1)*(x^4-x^3+x^2-x+1)*(x+1)^2/(x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x+1)$  ogf]  
A165746 12.5710  $[ -(7*x-1)/(3*x-1)/(x-1)$  ogf]  
A165746 14.9066  $-1/2*(-1-4*x+(1-20*x+4*x^2)^{(1/2)})/(7+3*x)$  revogf  
A165746 16.0532  $-3*(-1-2*x+7*x^2)/(x-1)/(3*x-1)/(7*x-1)$  lgdogf  
A165746 6.89870  $[ \{-a(n+2)+4*a(n+1)-3*a(n), a(0) = 1, a(1) = -3\},$  ogf]  
A165747 13.9401  $[ -(3*x-1)/(x-1)^2$  ogf]  
A165747 24.7842  $-1/2*(-1-2*x+(1-8*x)^{(1/2)})/(3+x)$  revogf  
A165747 37.1764  $-(1+3*x)/(3*x-1)/(x-1)$  lgdogf  
A165747 7.65007  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = -1\},$  ogf]  
A165748 11.8418  $[ -(15*x+1)/(8*x+1)/(x-1)$  ogf]  
A165748 13.0103  $1/2/(15+8*x)*(-1+7*x+(1+46*x+81*x^2)^{(1/2)})$  revogf  
A165748 13.9861  $-8*(1+2*x+15*x^2)/(x-1)/(8*x+1)/(15*x+1)$  lgdogf  
A165748 6.64294  $[ \{-a(n+2)-7*a(n+1)+8*a(n), a(0) = 1, a(1) = 8\},$  ogf]  
A165749 10.9960  $[ -(17*x+1)/(9*x+1)/(x-1)$  ogf]  
A165749 11.2473  $1/2/(17+9*x)*(-1+8*x+(2*x+1)*(50*x+1)^{(1/2)})$  revogf  
A165749 12.9344  $-9*(1+2*x+17*x^2)/(x-1)/(9*x+1)/(17*x+1)$  lgdogf  
A165749 6.16848  $[ \{-a(n+2)-8*a(n+1)+9*a(n), a(0) = 1, a(1) = 9\},$  ogf]  
A165750 10.8235  $[ -(19*x+1)/(10*x+1)/(x-1)$  ogf]  
A165750 6.05601  $[ \{-a(n+2)-9*a(n+1)+10*a(n), a(0) = 1, a(1) = 10\},$  ogf]  
A165751 12.6624  $[ -(5*x-1)/(2*x-1)/(x-1)$  ogf]  
A165751 16.1612  $-1/2*(-1-3*x+(1-14*x+x^2)^{(1/2)})/(5+2*x)$  revogf  
A165751 16.5756  $-2*(-1-2*x+5*x^2)/(x-1)/(2*x-1)/(5*x-1)$  lgdogf  
A165751 6.94885  $[ \{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = -2\},$  ogf]  
A165752 12.4328  $[ -(9*x-1)/(4*x-1)/(x-1)$  ogf]  
A165752 14.5720  $-1/2*(-1-5*x+(1-26*x+9*x^2)^{(1/2)})/(9+4*x)$  revogf  
A165752 15.6930  $-4*(-1-2*x+9*x^2)/(x-1)/(4*x-1)/(9*x-1)$  lgdogf  
A165752 6.82290  $[ \{-a(n+2)+5*a(n+1)-4*a(n), a(0) = 1, a(1) = -4\},$  ogf]  
A165754 14.6529  $[ (2*x^2-3*x+3)/(x+1)/(x-1)^2$  ogf]  
A165754 20.9760  $-2*x*(5+x^2-2*x)/(x-1)/(x+1)/(2*x^2-3*x+3)$  lgdogf  
A165754 8.05247  $[ \{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 0, a(2) = 5\},$  ogf]  
A165755 11.0060  $[ -(11*x-1)/(5*x-1)/(x-1)$  ogf]  
A165755 12.5276  $-1/2*(-1-6*x+(1-32*x+16*x^2)^{(1/2)})/(11+5*x)$  revogf  
A165755 13.4443  $-5*(-1-2*x+11*x^2)/(x-1)/(5*x-1)/(11*x-1)$  lgdogf  
A165755 6.17412  $[ \{-a(n+2)+6*a(n+1)-5*a(n), a(0) = 1, a(1) = -5\},$  ogf]  
A165756 3.57857  $[ (x^4+x^3+x^2+x+1)*(x^4-x^3+x^2-x+1)*(x+1)^2/$   
 $(3*x^{10}-2*x^9-2*x^8-2*x^7-2*x^6-2*x^5-2*x^4-2*x^3-2*x^2-2*x+1)$  ogf]  
A165757 3.59484  $[ (x^4+x^3+x^2+x+1)*(x^4-x^3+x^2-x+1)*(x+1)^2/$   
 $(6*x^{10}-3*x^9-3*x^8-3*x^7-3*x^6-3*x^5-3*x^4-3*x^3-3*x^2-3*x+1)$  ogf]  
A165758 11.9829  $[ -(13*x-1)/(6*x-1)/(x-1)$  ogf]  
A165758 13.5489  $-1/2*(-1-7*x+(1-38*x+25*x^2)^{(1/2)})/(13+6*x)$  revogf  
A165758 14.5403  $-6*(-1-2*x+13*x^2)/(x-1)/(6*x-1)/(13*x-1)$  lgdogf  
A165758 6.72212  $[ \{-a(n+2)+7*a(n+1)-6*a(n), a(0) = 1, a(1) = -6\},$  ogf]  
A165759 14.2298  $[ -(15*x-1)/(7*x-1)/(x-1)$  ogf]  
A165759 7.98259  $[ \{-a(n+2)+8*a(n+1)-7*a(n), a(0) = 1, a(1) = -7\},$  ogf]  
A165760 11.9698  $[ -(17*x-1)/(8*x-1)/(x-1)$  ogf]  
A165760 13.1518  $-1/2*(-1-9*x+(49*x-1)*(x-1)^{(1/2)})/(17+8*x)$  revogf  
A165760 14.4349  $-8*(-1-2*x+17*x^2)/(x-1)/(8*x-1)/(17*x-1)$  lgdogf  
A165760 6.71476  $[ \{-a(n+2)+9*a(n+1)-8*a(n), a(0) = 1, a(1) = -8\},$  ogf]  
A165777 4.04165  $[ (x^4+x^3+x^2+x+1)*(x^4-x^3+x^2-x+1)*(x+1)^2/$   
 $(10*x^{10}-4*x^9-4*x^8-4*x^7-4*x^6-4*x^5-4*x^4-4*x^3-4*x^2-4*x+1)$  ogf]  
A165786 4.08508  $[ -(28*x^{10}+8*x^9+8*x^8+8*x^7+8*x^6+8*x^5+8*x^4+8*x^3+8*x^2+8*x$   
 $+1)/(48*x^8+48*x^6+48*x^4+48*x^2-1)$  ogf]  
A165787 4.29458  $[ -(36*x^{10}+9*x^9+9*x^8+9*x^7+9*x^6+9*x^5+9*x^4+9*x^3+9*x^2+9*x$   
 $+1)/(63*x^8+63*x^6+63*x^4+63*x^2-1)$  ogf]  
A165791 4.29956  $[ (2*x^8-5*x^7+2*x^6-x^5-19*x^4-15*x^3+14*x^2+3*x-1)/$   
 $(9*x^9-15*x^8-11*x^7+24*x^6-17*x^5-65*x^4-25*x^3+21*x^2+4*x-1)$  ogf]  
A165798 13.2265  $[ -65*(x+1)/(x-1)^3$  ogf]  
A165798 34.3684  $[ [4-x]$  ogf\_with\_Euler\_transform]

A165798 35.6560  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A165798 6.21756  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 65, a(1) = 260, a(2) = 585\},$  ogf]  
A165799 6.14889  $-2*x*(1-6*x^3-x^2+4*x$   
 $+72*x^10+208*x^8+180*x^7+66*x^6-4*x^5-60*x^4)/(4*x^9+16*x^7+22*x^6+3*x^5-$   
 $x^4-9*x^3-x^2-x+1)/(6*x^3+x-1)$  lgdogf  
A165799 7.50350  $[ -(6*x^3+x-1)/(4*x^9+16*x^7+22*x^6+3*x^5-x^4-9*x^3-x^2-x+1)$   
ogf]  
A165800 10.4234  $[ \{a(n+1)-50*a(n), a(0) = 1\},$  ogf]  
A165800 25.1110  $[ -1/(50*x-1)$  ogf]  
A165800 36.1073  $1/50*\ln(1+50*x)$  revogf  
A165800 41.6623  $-50/(-1+50*x)$  lgdogf  
A165804 9.84055  $[ x*(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)/(8*x^7-1)$  ogf]  
A165806 12.6143  $[ -(x^2+10*x+19)/(x-1)^3$  ogf]  
A165806 22.9368  $-(67+22*x+x^2)/(x-1)/(x^2+10*x+19)$  lgdogf  
A165806 6.85090  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 19, a(1) = 67, a(2) = 145\},$  ogf]  
A165808 11.3623  $-(-4579-10995*x+x^3-2091*x^2)/(x-1)/(x^3-1047*x^2-2967*x-403)$   
lgdogf  
A165808 8.31089  $[ -(x^3-1047*x^2-2967*x-403)/(x-1)^4$  ogf]  
A165809 12.4574  $-2*(1354+2131*x+235*x^2)/(x-1)/(235*x^2+1264*x+361)$  lgdogf  
A165809 8.42029  $[ 3*(235*x^2+1264*x+361)/(x-1)^4$  ogf]  
A165817 33.2959  $4*x*(1+x)^2/(2+3*x)^3$  revogf  
A165817 6.24347  $[ \{(-27*n^2-27*n-6)*a(n)+(4*n^2+6*n+2)*a(n+1), a(0) = 1, a(1) = 2\},$  ogf]  
A165881 3.84724  $[ (19*x^9+x^8+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^8-36*x^5+2*x^4-36*x^3+2*x^2-36*x+2)$  ogf]  
A165882 3.89022  $[ (20*x^9+x^8+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^8-38*x^5+2*x^4-38*x^3+2*x^2-38*x+2)$  ogf]  
A165894 3.95471  $[ (21*x^9+x^8+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^8-40*x^5+2*x^4-40*x^3+2*x^2-40*x+2)$  ogf]  
A165895 3.97619  $[ (22*x^9+x^8+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^8-42*x^5+2*x^4-42*x^3+2*x^2-42*x+2)$  ogf]  
A165897 13.5009  $-3*(2+6*x+9*x^4+12*x^3+12*x^2)/(3*x^3-1)/(9*x^2+6*x+4)$  lgdogf  
A165897 15.1776  $[ -(9*x^2+6*x+4)/(3*x^3-1)$  ogf]  
A165897 9.78557  $[ \{a(n+3)-3*a(n), a(0) = 4, a(1) = 6, a(2) = 9\},$  ogf]  
A165900 12.7601  $[ -(x^2+2*x-1)/(x-1)^3$  ogf]  
A165900 6.94968  $[ \{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = -1, a(1) = -1, a(2) = 1\},$  ogf]  
A165910 5.93439  $[ (2*x^3-x^2+x-1)/(x^2+x-1)/(x+1)^2/(x^2-3*x+1)^2$  ogf]  
A165910 7.00667  $-2*(-2-2*x+2*x^4-12*x^3+5*x^7-5*x^6-4*x^5+17*x^2)/(x+1)/(x^2-3*x$   
 $+1)/(x^2+x-1)/(2*x^3-x^2+x-1)$  lgdogf  
A165935 3.99431  $[ (x^4-236*x^3+1446*x^2-236*x+1)/(x+1)^6$  ogf]  
A165939 4.08366  $[ (23*x^9+x^8+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^8-44*x^5+2*x^4-44*x^3+2*x^2-44*x+2)$  ogf]  
A165942 11.6687  $[ -(2520413*x^2+16777500*x+3418)/(x-1)/(x^2+x+1)$  ogf]  
A165942 8.24422  $[ \{a(n+3)-a(n), a(0) = 3418, a(1) = 16777500, a(2) = 2520413\},$   
ogf]  
A165943 5.03984  $[$   
 $-7*x*(3*x^10+5*x^9+51*x^8+6*x^7+146*x^6+42*x^5+162*x^4+8*x^3+75*x^2+9*x+11)/$   
 $(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
A165965 4.10516  $[ (24*x^9+x^8+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^8-46*x^5+2*x^4-46*x^3+2*x^2-46*x+2)$  ogf]  
A165967 4.14814  $[ (25*x^9+x^8+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^8-48*x^5+2*x^4-48*x^3+2*x^2-48*x+2)$  ogf]  
A165968 6.01999  $[ \{-2*a(n)*n+(-2*n-2)*a(n+1)+a(n+2), a(0) = 0, a(1) = 1\},$  ogf]  
A165973 4.19112  $[ (26*x^9+x^8+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^8-50*x^5+2*x^4-50*x^3+2*x^2-50*x+2)$  ogf]  
A165976 17.0933  $1/4*(3-9*x+(1-6*x+17*x^2)^(1/2))*x$  revogf  
A165979 4.23411  $[ (27*x^9+x^8+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^8-52*x^5+2*x^4-52*x^3+2*x^2-52*x+2)$  ogf]



A165980 4.29859 [ (28\*x^9+x^8+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/  
(x^8-54\*x^5+2\*x^4-54\*x^3+2\*x^2-54\*x+2) ogf ]  
A165983 9.17864 [ -(4\*x^11+x^10+x^9+x^8+2\*x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+1)/  
(x^8+1) ogf ]  
A165988 14.0660 [ 3\*x\*(x^2+4\*x+1)/(x-1)^2/(x+1)^2 ogf ]  
A165988 19.5412 -2\*(2+3\*x+x^3+6\*x^2)/(x-1)/(x+1)/(1+x^2+4\*x) lgdogf  
A165988 7.51805 [ {(n+3)\*a(n+1)+(-n-1)\*a(n+3), a(0) = 0, a(1) = 3, a(2) = 12},  
ogf ]  
A165989 11.9749 [ (534\*x^2+125\*x+534)/(x+1)/(x-1)^2 ogf ]  
A165989 12.9125 -(659+2795\*x+534\*x^3+784\*x^2)/(x-1)/(x+1)/(534\*x^2+125\*x+534)  
lgdogf  
A165989 6.74218 [ {a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 534, a(1) = 659, a(2) =  
1727}, ogf ]  
A165998 15.5826 [ (x^2+6\*x+1)/(x-1)^2/(x+1)^2 ogf ]  
A165998 19.8056 -2\*(3+3\*x+x^3+9\*x^2)/(x-1)/(x+1)/(1+x^2+6\*x) lgdogf  
A165998 7.65695 [ {(-n-4)\*a(n+1)+(n+2)\*a(n+3), a(0) = 1, a(1) = 6, a(2) = 3},  
ogf ]  
A166004 4.32009 [ (29\*x^9+x^8+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/  
(x^8-56\*x^5+2\*x^4-56\*x^3+2\*x^2-56\*x+2) ogf ]  
A166012 10.2770 [ -(2\*x^3+x^2-x-1)/(x-1)/(x+1)/(x^2+x-1) ogf ]  
A166012 10.3017 -2\*(1+x+x^6+x^4-x^3-3\*x^2+x^5)/(x-1)/(x+1)/(x^2+x-1)/(2\*x^3+x^2-  
x-1) lgdogf  
A166022 7.41626 -(-2+8\*x+11\*x^4+4\*x^3-14\*x^2+4\*x^5-21\*x^6+12\*x^7)/(x-1)/(2\*x-1)/  
(x+1)/(x^2-x+1)/(3\*x^3-2\*x^2-x+1) lgdogf  
A166022 8.20176 [ x\*(3\*x^3-2\*x^2-x+1)/(x-1)/(2\*x-1)/(x+1)/(x^2-x+1) ogf ]  
A166023 11.0490 [ {a(n+2)-6\*a(n), a(0) = 1, a(1) = 5}, ogf ]  
A166023 17.2471 [ -(5\*x+1)/(6\*x^2-1) ogf ]  
A166023 18.2543 1/2/(5+6\*x)\*(-1+(1+20\*x+24\*x^2)^(1/2)) revogf  
A166023 20.4019 -(5+12\*x+30\*x^2)/(5\*x+1)/(6\*x^2-1) lgdogf  
A166024 11.0987 -2\*(399545+20087863\*x+399545\*x^2)/(x-1)/(799090\*x+20087863)/(x  
+1) lgdogf  
A166024 13.1095 [ -21\*(799090\*x+20087863)/(x-1)/(x+1) ogf ]  
A166024 9.29278 [ {-a(n+2)+a(n), a(0) = 421845123, a(1) = 16780890}, ogf ]  
A166024 9.88243 1/2/(16780890+x)\*(-421845123+(177953307798885129+67123560\*x  
+4\*x^2)^(1/2)) revogf  
A166025 16.5401 [ -(11\*x+6)/(x^2+x-1) ogf ]  
A166025 19.1442 1/2/(11+x)\*(-6-x+(36+56\*x+5\*x^2)^(1/2)) revogf  
A166025 20.7395 -(17+12\*x+11\*x^2)/(11\*x+6)/(x^2+x-1) lgdogf  
A166025 9.16681 [ {a(n+2)-a(n+1)-a(n), a(0) = 6, a(1) = 17}, ogf ]  
A166026 4.36307 [ (30\*x^9+x^8+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/  
(x^8-58\*x^5+2\*x^4-58\*x^3+2\*x^2-58\*x+2) ogf ]  
A166027 10.9963 [ {-a(n+2)+6\*a(n), a(0) = 4, a(1) = 1}, ogf ]  
A166027 17.1650 [ -(x+4)/(6\*x^2-1) ogf ]  
A166027 22.2676 -(1+48\*x+6\*x^2)/(x+4)/(6\*x^2-1) lgdogf  
A166027 23.0099 (-2+(4+x+6\*x^2)^(1/2))/(1+6\*x) revogf  
A166033 13.3539 [ -(10\*x^2-20\*x-1)/(x+1)/(x-1)^2 ogf ]  
A166033 15.5698 -(-21-3\*x+10\*x^3-30\*x^2)/(x-1)/(x+1)/(-1+10\*x^2-20\*x) lgdogf  
A166033 7.37981 [ {-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 21, a(2) = 12},  
ogf ]  
A166035 12.8146 [ (2\*x-1)/(4\*x+1)/(3\*x-1) ogf ]  
A166035 14.9127 1/4\*(-1+x+(1-10\*x+49\*x^2)^(1/2))/(-1+6\*x) revogf  
A166035 15.2855 -3\*(1-8\*x+8\*x^2)/(4\*x+1)/(3\*x-1)/(2\*x-1) lgdogf  
A166035 7.10207 [ {a(n+2)+a(n+1)-12\*a(n), a(0) = 1, a(1) = -3}, ogf ]  
A166036 10.8107 [ (3\*x-1)/(5\*x+1)/(4\*x-1) ogf ]  
A166036 12.2682 -4\*(1-10\*x+15\*x^2)/(5\*x+1)/(4\*x-1)/(3\*x-1) lgdogf  
A166036 12.2682 1/2/(-3+20\*x)\*(-1+x+(1-14\*x+81\*x^2)^(1/2)) revogf  
A166036 5.99146 [ {a(n+2)+a(n+1)-20\*a(n), a(0) = 1, a(1) = -4}, ogf ]  
A166048 4.96895 [  
x\*(11\*x^14-23\*x^13+14\*x^12+x^11-4\*x^10-8\*x^9+12\*x^8-5\*x^7+2\*x^6-3\*x^5+2\*x^4-  
x^3+x-1)/(x-1)^3 ogf ]  
A166049 4.52561 [

$(44*x^{15}-92*x^{14}+56*x^{13}+4*x^{12}-16*x^{11}-32*x^{10}+48*x^9-20*x^8+8*x^7-12*x^6+8*x^5-4*x^4+3*x^2-2*x-1)/(x-1)^3$  ogf]  
A166060 14.0915  $[(x+1)/(3*x-1)/(2*x-1)$  ogf]  
A166060 7.73316  $[-a(n+2)+5*a(n+1)-6*a(n), a(0) = 1, a(1) = 6]$ , ogf]  
A166067 16.0383  $[-(68*x+1)/(x^2+x-1)$  ogf]  
A166067 18.5584  $1/2/(68+x)*(-1-x+(1+274*x+5*x^2)^{(1/2)})$  revogf  
A166067 20.6794  $-(69+2*x+68*x^2)/(68*x+1)/(x^2+x-1)$  lgdogf  
A166067 8.88872  $[{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 69}]$ , ogf]  
A166072 4.04546  $[-(792488396*x^7+16780909*x^6+34381154*x^5+873583*x^4+1657004*x^3+437755524*x^2+808491852*x+809265896)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A166075 4.38456  $[(31*x^9+x^8+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^8-60*x^5+2*x^4-60*x^3+2*x^2-60*x+2)$  ogf]  
A166076 12.9061  $1/2/(4-5*x+2*x^2)*(7-5*x+(1-10*x+x^2)^{(1/2)})*x$  revogf  
A166076 6.38367  $-1/2*(-5+46*x+28*x^3+75*x^2+(-(-1+10*x+7*x^2)*(5+3*x)^2)^{(1/2)})/(2*x+3)/(x+1)/(-1+10*x+7*x^2)$  lgdogf  
A166078 12.8450  $1/2/(3*x+2*x^2+2)*(3+3*x+(1+6*x+x^2)^{(1/2)})*x$  revogf  
A166078 8.62723  $-1/2*(28*x^2-17*x-3+3*(-(7*x+1)*(x-1))^{(1/2)})/(7*x+1)/(2*x-1)/(x-1)$  lgdogf  
A166106 12.1105  $(x^2-x-1)*(x^4+4*x^3+4*x^2+1)/(x^2+x-1)/(x^5+3*x^4+2*x^3-x^2-x+1)$  lgdogf  
A166106 8.22694  $[x*(x^5+3*x^4+2*x^3-x^2-x+1)/(x^2+x-1)^2$  ogf]  
A166112 7.30814  $[(9*x^8+29*x^7+45*x^6+x^5+3*x^4+6*x^3+5*x^2+22*x+16)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A166117 12.0878  $[-x*(x+1)/(x^3-2*x^2+x-1)$  ogf]  
A166117 19.0333  $-(2-4*x+2*x^3+x^2)/(x+1)/(x^3-2*x^2+x-1)$  lgdogf  
A166117 6.20725  $[{a(n+3)-a(n+2)+2*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 2}]$ , ogf]  
A166118 14.6327  $[(2*x+15)/(2*x-1)/(x-1)$  ogf]  
A166118 15.7089  $-1/4*(-15-3*x+(225+98*x+x^2)^{(1/2)})/(-1+x)$  revogf  
A166118 16.4944  $-(-47+60*x+4*x^2)/(2*x+15)/(x-1)/(2*x-1)$  lgdogf  
A166118 8.01314  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 15, a(1) = 47}]$ , ogf]  
A166122 12.5702  $[-(6*x+1)/(5*x+1)/(x-1)$  ogf]  
A166122 13.9097  $1/2/(6+5*x)*(-1+4*x+(1+16*x+36*x^2)^{(1/2)})$  revogf  
A166122 14.9797  $-2*(1+5*x+15*x^2)/(x-1)/(5*x+1)/(6*x+1)$  lgdogf  
A166122 6.89829  $[{-a(n+2)-4*a(n+1)+5*a(n), a(0) = 1, a(1) = 2}]$ , ogf]  
A166128 4.38456  $[(32*x^9+x^8+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^8-62*x^5+2*x^4-62*x^3+2*x^2-62*x+2)$  ogf]  
A166129 4.53501  $[(33*x^9+x^8+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^8-64*x^5+2*x^4-64*x^3+2*x^2-64*x+2)$  ogf]  
A166130 4.53501  $[(34*x^9+x^8+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^8-66*x^5+2*x^4-66*x^3+2*x^2-66*x+2)$  ogf]  
A166132 4.70297  $[{a(n+3)-14*a(n+2)+49*a(n+1)-36*a(n), a(0) = 1, a(1) = 37, a(2) = 469}]$ , ogf]  
A166132 9.20999  $- (37-98*x+1656*x^3-1019*x^2)/(x-1)/(4*x-1)/(9*x-1)/(23*x+1)$  lgdogf  
A166132 9.73598  $[-(23*x+1)/(x-1)/(4*x-1)/(9*x-1)$  ogf]  
A166135 33.0954  $x*(1+x)/(x^2+x+1)^2$  revogf  
A166136 13.1920  $[-(7*x^2-15*x+9)/(x-1)^3$  ogf]  
A166136 21.6784  $-(12-16*x+7*x^2)/(x-1)/(7*x^2-15*x+9)$  lgdogf  
A166136 7.17462  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 9, a(1) = 12, a(2) = 16}]$ , ogf]  
A166137 13.4440  $[(4*x^2-8*x-1)/(x-1)^3$  ogf]  
A166137 22.3523  $-(-11-8*x+4*x^2)/(x-1)/(4*x^2-8*x-1)$  lgdogf  
A166137 7.19370  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 11, a(2) = 26}]$ , ogf]  
A166138 15.4051  $[(4*x^3+5*x^2+8*x+1)/(x-1)^2/(x+1)^2$  ogf]  
A166138 16.1405  $-2*(4+7*x+2*x^4+5*x^3+18*x^2)/(x-1)/(x+1)/(4*x^3+5*x^2+8*x+1)$  lgdogf  
A166143 12.5865  $[(5*x^2-10*x-1)/(x-1)^3$  ogf]  
A166143 20.1352  $-(-13-10*x+5*x^2)/(x-1)/(5*x^2-10*x-1)$  lgdogf

A166143 6.84531 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1, a(1) = 13, a(2) = 31}, ogf]  
A166144 12.4938 [ (10\*x^2-20\*x-1)/(x-1)^3 ogf]  
A166144 19.2994 -(-23-20\*x+10\*x^2)/(x-1)/(10\*x^2-20\*x-1) lgdogf  
A166144 6.90449 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1, a(1) = 23, a(2) = 56}, ogf]  
A166145 4.53501 [ (35\*x^9+x^8+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/(x^8-68\*x^5+2\*x^4-68\*x^3+2\*x^2-68\*x+2) ogf]  
A166146 13.0297 [ (6\*x^2-12\*x-1)/(x-1)^3 ogf]  
A166146 7.08634 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1, a(1) = 15, a(2) = 36}, ogf]  
A166147 13.1532 [ (7\*x^2-14\*x-1)/(x-1)^3 ogf]  
A166147 21.0575 -(-17-14\*x+7\*x^2)/(x-1)/(7\*x^2-14\*x-1) lgdogf  
A166147 7.15351 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1, a(1) = 17, a(2) = 41}, ogf]  
A166148 12.8321 [ (8\*x^2-16\*x-1)/(x-1)^3 ogf]  
A166148 20.5359 -(-19-16\*x+8\*x^2)/(x-1)/(8\*x^2-16\*x-1) lgdogf  
A166148 6.97888 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1, a(1) = 19, a(2) = 46}, ogf]  
A166149 11.7224 [ (4\*x-1)/(6\*x+1)/(5\*x-1) ogf]  
A166149 12.9583 1/4\*(-1+x+(1-18\*x+121\*x^2)^(1/2))/(-2+15\*x) revogf  
A166149 13.2668 -5\*(1-12\*x+24\*x^2)/(5\*x-1)/(4\*x-1)/(6\*x+1) lgdogf  
A166149 6.49676 [ {a(n+2)+a(n+1)-30\*a(n), a(0) = 1, a(1) = -5}, ogf]  
A166150 12.9549 [ (9\*x^2-18\*x-1)/(x-1)^3 ogf]  
A166150 7.04566 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1, a(1) = 21, a(2) = 51}, ogf]  
A166151 13.4440 [ (3\*x^2-6\*x-2)/(x-1)^3 ogf]  
A166151 22.9909 -3\*(-4-2\*x+x^2)/(x-1)/(3\*x^2-6\*x-2) lgdogf  
A166151 7.19370 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 2, a(1) = 12, a(2) = 27}, ogf]  
A166152 11.2657 [ (5\*x-1)/(7\*x+1)/(6\*x-1) ogf]  
A166152 12.3940 1/2/(-5+42\*x)\*(-1+x+(1-22\*x+169\*x^2)^(1/2)) revogf  
A166152 12.6891 -6\*(1-14\*x+35\*x^2)/(6\*x-1)/(7\*x+1)/(5\*x-1) lgdogf  
A166152 6.24363 [ {a(n+2)+a(n+1)-42\*a(n), a(0) = 1, a(1) = -6}, ogf]  
A166153 11.9058 [ (6\*x-1)/(8\*x+1)/(7\*x-1) ogf]  
A166153 13.0788 -7\*(12\*x-1)\*(4\*x-1)/(6\*x-1)/(8\*x+1)/(7\*x-1) lgdogf  
A166153 13.0788 1/4\*(-1+x+(1-26\*x+225\*x^2)^(1/2))/(-3+28\*x) revogf  
A166153 6.59839 [ {a(n+2)+a(n+1)-56\*a(n), a(0) = 1, a(1) = -7}, ogf]  
A166154 13.0915 [ (5\*x^2-10\*x-2)/(x-1)^3 ogf]  
A166154 20.9568 -(-16-10\*x+5\*x^2)/(x-1)/(5\*x^2-10\*x-2) lgdogf  
A166154 7.11993 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 2, a(1) = 16, a(2) = 37}, ogf]  
A166157 10.9960 [ (7\*x-1)/(9\*x+1)/(8\*x-1) ogf]  
A166157 12.0992 1/2/(-7+72\*x)\*(-1+x+(1-30\*x+289\*x^2)^(1/2)) revogf  
A166157 12.3873 -8\*(1-18\*x+63\*x^2)/(9\*x+1)/(8\*x-1)/(7\*x-1) lgdogf  
A166157 6.09416 [ {a(n+2)+a(n+1)-72\*a(n), a(0) = 1, a(1) = -8}, ogf]  
A166165 4.57800 [ (36\*x^9+x^8+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/(x^8-70\*x^5+2\*x^4-70\*x^3+2\*x^2-70\*x+2) ogf]  
A166189 14.9657 -(7+16\*x+6\*x^3+13\*x^2)/(x-1)/(x+1)/(1+x+x^2) lgdogf  
A166189 26.6478 [-x^2+x+7 ogf\_with\_Euler\_transform]  
A166189 6.93148 [ -(x^2+x+1)/(x+1)/(x-1)^7 ogf]  
A166190 5.22408 -(21+246\*x+3220\*x^4+2488\*x^3+1035\*x^6+2490\*x^5+1086\*x^2+216\*x^7)/(x-1)/(x+1)/(27\*x^6+91\*x^5+160\*x^4+135\*x^3+64\*x^2+13\*x+1) lgdogf  
A166212 4.90543 [ -(3\*x^6+x^5+x^4+3\*x^3+x^2+x+1)/(x+1)/(x^2-x+1)/(x^2+x+1)^3/(x-1)^5 ogf]  
A166213 5.73778 [ (3\*x^4+4\*x^3+3\*x^2+2\*x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^6 ogf]  
A166213 7.58103 -2\*(2+10\*x+54\*x^4+47\*x^3+33\*x^6+49\*x^5+12\*x^7+27\*x^2)/(x-1)/(x+1)/(1+x+x^2)/(3\*x^4+4\*x^3+3\*x^2+2\*x+1) lgdogf  
A166228 15.6775 1/2\*(-1-2\*x^2+(1+8\*x^2)^(1/2))/x/(1+x) revogf  
A166228 7.17763 -1/2\*(-x^2-2\*x-1+(x^2-6\*x+1)^(1/2))+3\*(x^2-6\*x+1)^(1/2)\*x/x/

$(x^2-6x+1)^{(1/2)}/(x+1)$  lgdogf  
A166229 10.7905  $1/2*((1-8x+8x^2)^{(1/2)}-1)/(1-8x+8x^2)^{(1/2)}/(x-1)/x$  lgdogf  
A166229 23.7392  $1/2+x-1/2*(1+8x^2)^{(1/2)}$  revogf  
A166229 4.92556  $[{8*a(n)*n+(-8*n-12)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 2}],$   
ogf]  
A166249 10.6302  $[-(3*x^3-2*x^2-x+1)/(2*x-1)/(x+1)/(x^2-x+1)$  ogf]  
A166249 8.81590  $-(1-4*x-4*x^4-2*x^3+6*x^6-8*x^5+10*x^2)/(-1+2*x)/(x+1)/(x^2-x$   
 $+1)/(3*x^3-2*x^2-x+1)$  lgdogf  
A166304 13.6688  $[(x^3+8*x^2+5*x+4)/(x-1)^2/(x+1)^2$  ogf]  
A166304 15.2999  $-(5+32*x+x^4+16*x^3+18*x^2)/(x-1)/(x+1)/(x^3+8*x^2+5*x+4)$  lgdogf  
A166322 11.1562  $7*(2*x+3*x^2+4*x^3+1+5*x^4)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A166322 24.0342  $[[-7*x^5+7]$  ogf\_with\_Euler\_transform]  
A166327 3.88239  $[(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/$   
 $(x^{10}-2*x^9+x^8-2*x^7+x^6-2*x^5+x^4-2*x^3+x^2-2*x+1)$  ogf]  
A166334 4.74127  $[{(27*n^2+81*n+60)*a(n+1)-2*a(n+2), a(0) = 1, a(1) = 3}],$  ogf]  
A166336 6.89345  $[-(x^4-4*x^3+7*x^2-4*x+1)/(x-1)/(x^2-3*x+1)^2$  ogf]  
A166336 7.82739  $-(3-11*x+16*x^4-27*x^3+x^6-5*x^5+22*x^2)/(x-1)/(x^2-3*x+1)/$   
 $(x^4-4*x^3+7*x^2-4*x+1)$  lgdogf  
A166356 2.72102  $[{(16*n^3+8*n^2-8*n)*a(n)+(4*n^3+18*n^2+20*n+8)*a(n+1)+(-$   
 $n-2)*a(n+2), a(0) = 1, a(1) = 2}],$  ogf]  
A166377 3.85752  $[(13*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-24*x^5+2*x^4-24*x^3+2*x^2-24*x+2)$  ogf]  
A166379 3.94470  $[(14*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-26*x^5+2*x^4-26*x^3+2*x^2-26*x+2)$  ogf]  
A166382 4.05367  $[(15*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-28*x^5+2*x^4-28*x^3+2*x^2-28*x+2)$  ogf]  
A166410 4.11905  $[(16*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-30*x^5+2*x^4-30*x^3+2*x^2-30*x+2)$  ogf]  
A166411 4.22802  $[(17*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-32*x^5+2*x^4-32*x^3+2*x^2-32*x+2)$  ogf]  
A166412 4.29340  $[(18*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-34*x^5+2*x^4-34*x^3+2*x^2-34*x+2)$  ogf]  
A166413 3.81765  $[(19*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-36*x^5+2*x^4-36*x^3+2*x^2-36*x+2)$  ogf]  
A166414 3.86030  $[(20*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-38*x^5+2*x^4-38*x^3+2*x^2-38*x+2)$  ogf]  
A166415 3.92428  $[(21*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-40*x^5+2*x^4-40*x^3+2*x^2-40*x+2)$  ogf]  
A166416 3.94561  $[(22*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-42*x^5+2*x^4-42*x^3+2*x^2-42*x+2)$  ogf]  
A166417 4.05225  $[(23*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-44*x^5+2*x^4-44*x^3+2*x^2-44*x+2)$  ogf]  
A166418 4.07358  $[(24*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-46*x^5+2*x^4-46*x^3+2*x^2-46*x+2)$  ogf]  
A166419 4.11623  $[(25*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-48*x^5+2*x^4-48*x^3+2*x^2-48*x+2)$  ogf]  
A166420 4.15888  $[(26*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-50*x^5+2*x^4-50*x^3+2*x^2-50*x+2)$  ogf]  
A166421 4.20154  $[(27*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-52*x^5+2*x^4-52*x^3+2*x^2-52*x+2)$  ogf]  
A166422 4.26552  $[(28*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-54*x^5+2*x^4-54*x^3+2*x^2-54*x+2)$  ogf]  
A166423 4.28685  $[(29*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-56*x^5+2*x^4-56*x^3+2*x^2-56*x+2)$  ogf]  
A166424 4.32951  $[(30*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-58*x^5+2*x^4-58*x^3+2*x^2-58*x+2)$  ogf]  
A166425 4.35083  $[(31*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-60*x^5+2*x^4-60*x^3+2*x^2-60*x+2)$  ogf]  
A166426 4.35083  $[(32*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$   
 $(x^9-62*x^5+2*x^4-62*x^3+2*x^2-62*x+2)$  ogf]  
A166427 4.50012  $[(33*x^{10}+x^9+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/$

$(x^9-64x^5+2x^4-64x^3+2x^2-64x+2)$  ogf]  
A166428 4.50012 [  $(34x^{10}+x^9+2x^5+2x^4+2x^3+2x^2+2x+2)/$   
 $(x^9-66x^5+2x^4-66x^3+2x^2-66x+2)$  ogf]  
A166429 4.50012 [  $(35x^{10}+x^9+2x^5+2x^4+2x^3+2x^2+2x+2)/$   
 $(x^9-68x^5+2x^4-68x^3+2x^2-68x+2)$  ogf]  
A166430 4.54278 [  $(36x^{10}+x^9+2x^5+2x^4+2x^3+2x^2+2x+2)/$   
 $(x^9-70x^5+2x^4-70x^3+2x^2-70x+2)$  ogf]  
A166431 5.30443 [  $(37x^{10}+x^9+2x^3+2x^2+2x+2)/(x^9-72x^3+2x^2-72x+2)$  ogf]  
A166432 5.30443 [  $(38x^{10}+x^9+2x^3+2x^2+2x+2)/(x^9-74x^3+2x^2-74x+2)$  ogf]  
A166433 5.36027 [  $(39x^{10}+x^9+2x^3+2x^2+2x+2)/(x^9-76x^3+2x^2-76x+2)$  ogf]  
A166434 5.38819 [  $(40x^{10}+x^9+2x^3+2x^2+2x+2)/(x^9-78x^3+2x^2-78x+2)$  ogf]  
A166435 5.44402 [  $(41x^{10}+x^9+2x^3+2x^2+2x+2)/(x^9-80x^3+2x^2-80x+2)$  ogf]  
A166436 5.44402 [  $(42x^{10}+x^9+2x^3+2x^2+2x+2)/(x^9-82x^3+2x^2-82x+2)$  ogf]  
A166437 5.47194 [  $(43x^{10}+x^9+2x^3+2x^2+2x+2)/(x^9-84x^3+2x^2-84x+2)$  ogf]  
A166438 5.49986 [  $(44x^{10}+x^9+2x^3+2x^2+2x+2)/(x^9-86x^3+2x^2-86x+2)$  ogf]  
A166439 5.55569 [  $(45x^{10}+x^9+2x^3+2x^2+2x+2)/(x^9-88x^3+2x^2-88x+2)$  ogf]  
A166440 5.55569 [  $(46x^{10}+x^9+2x^3+2x^2+2x+2)/(x^9-90x^3+2x^2-90x+2)$  ogf]  
A166441 5.55569 [  $(47x^{10}+x^9+2x^3+2x^2+2x+2)/(x^9-92x^3+2x^2-92x+2)$  ogf]  
A166442 5.66736 [  $(48x^{10}+x^9+2x^3+2x^2+2x+2)/(x^9-94x^3+2x^2-94x+2)$  ogf]  
A166443 5.66736 [  $(49x^{10}+x^9+2x^3+2x^2+2x+2)/(x^9-96x^3+2x^2-96x+2)$  ogf]  
A166444 17.6318 [  $x^*(x-1)/(2x-1)$  ogf]  
A166444 28.4930  $1/2+x-1/2*(1+4x^2)^{(1/2)}$  revogf  
A166444 44.5203  $1/(-1+2x)/(x-1)$  lgdogf  
A166444 8.70969 [  $\{-a(n+3)+2a(n+2), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
A166445 10.4314  $-x^*(-2-2x^2+x^5+7x)/(x-1)/(1+x^2)/(x^4+x^2-x+1)$  lgdogf  
A166445 7.79864 [  $-(x^4+x^2-x+1)/(x-1)/(x^2+1)^2$  ogf]  
A166446 11.8253 [  $(x+1)/(x^4-x^2+1)$  ogf]  
A166446 13.4798  $-(-1-2x+3x^4+4x^3-x^2)/(x+1)/(x^4-x^2+1)$  lgdogf  
A166446 15.2033  $[x^{11}-x^5-x^3+1$  ogf\_with\_Euler\_transform]  
A166446 5.46643 [  $\{-a(n+4)+a(n+2)-a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1\}$ ,  
ogf]  
A166450 10.8546 [  $\{a(n+2)-3a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A166450 16.9437 [  $-(6x+1)/(3x^2-1)$  ogf]  
A166450 18.9052  $1/6*(-1+(1+24x+12x^2)^{(1/2)})/(2+x)$  revogf  
A166450 21.2684  $-6*(1+x+3x^2)/(6x+1)/(3x^2-1)$  lgdogf  
A166463 5.66736 [  $(50x^{10}+x^9+2x^3+2x^2+2x+2)/(x^9-98x^3+2x^2-98x+2)$  ogf]  
A166464 15.7325  $-(x+1)*(x^2-12x-5)/(x-1)/(x^3-7x^2-x-1)$  lgdogf  
A166464 8.56322 [  $-(x^3-7x^2-x-1)/(x-1)^4$  ogf]  
A166465 11.3882 [  $\{a(n+2)-3a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A166465 17.7768 [  $-(5x+1)/(3x^2-1)$  ogf]  
A166465 18.8059  $1/2/(5+3x)*(-1+(1+20x+12x^2)^{(1/2)})$  revogf  
A166465 21.6553  $-(5+6x+15x^2)/(5x+1)/(3x^2-1)$  lgdogf  
A166474 22.6308  $-(4+6x+3x^2)/(x+1)/(x^2-2)$  lgdegf  
A166481 10.9648 [  $\{a(n+2)-3a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A166481 17.1158 [  $-(7x+1)/(3x^2-1)$  ogf]  
A166481 18.0958  $1/2/(7+3x)*(-1+(1+28x+12x^2)^{(1/2)})$  revogf  
A166481 20.8376  $-(7+6x+21x^2)/(7x+1)/(3x^2-1)$  lgdogf  
A166482 7.21540  $-(3-18x+27x^4-46x^3+x^6-8x^5+42x^2)/(x-1)/(x^2-3x+1)/$   
 $(x^4-7x^3+13x^2-7x+1)$  lgdogf  
A166482 7.83873 [  $-(x-1)*(x^2-3x+1)/(x^4-7x^3+13x^2-7x+1)$  ogf]  
A166486 15.5869 [  $-x*(x^2+x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A166486 16.5650  $-(1+2x+3x^4+4x^3+2x^5)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A166486 24.9795 [  $[x^3-x^2+1$  ogf\_with\_Euler\_transform]  
A166495 3.84711 [ -  
 $(10x^{12}+5x^{11}+5x^{10}+5x^9+5x^8+5x^7+5x^6+5x^5+5x^4+5x^3+5x^2+5x+1)/$   
 $(15x^{10}+15x^8+15x^6+15x^4+15x^2-1)$  ogf]  
A166514 11.0480 [  $x*(x^3-x^2+x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A166514 13.7612  $-(1+7x^4+4x^3+3x^6-4x^5+5x^2)/(x-1)/(x+1)/(x^2+1)/(x^3-$   
 $x^2+x+1)$  lgdogf  
A166515 11.8188  $-2*(1+x+4x^4+3x^3+2x^6-2x^5+3x^2)/(x-1)/(x+1)/(x^2+1)/(x^3-$   
 $x^2+x+1)$  lgdogf

A166515 8.22174 [  $-x^*(x^3-x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A166516 8.52758  $-(1-2*x-3*x^4+10*x^3+x^6-2*x^5-3*x^2)/(x-1)/(x+1)/(x^2-3*x+1)/(x^3-x^2-2*x+1)$  lgdogf  
A166516 9.71149 [  $-(x^3-x^2-2*x+1)/(x-1)/(x+1)/(x^2-3*x+1)$  ogf]  
A166517 15.0242 [  $(2*x^2-x+2)/(x+1)/(x-1)^2$  ogf]  
A166517 23.6691  $-(1+9*x+2*x^3)/(x-1)/(x+1)/(2*x^2-x+2)$  lgdogf  
A166517 8.18282 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 1, a(2) = 5\}$ , ogf]  
A166519 14.8887 [  $(3*x^2-2*x+3)/(x+1)/(x-1)^2$  ogf]  
A166519 18.5707  $-(-7-3*x+3*x^3-9*x^2)/(x-1)/(x+1)/(-1+3*x^2-6*x)$  lgdogf  
A166519 8.10904 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 1, a(2) = 7\}$ , ogf]  
A166520 14.1405 [  $-(4*x^2-8*x-1)/(x+1)/(x-1)^2$  ogf]  
A166520 17.2666  $-(-9-3*x+4*x^3-12*x^2)/(x-1)/(x+1)/(-1+4*x^2-8*x)$  lgdogf  
A166520 7.70152 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 9, a(2) = 6\}$ , ogf]  
A166521 13.8019 [  $-(5*x^2-10*x-1)/(x+1)/(x-1)^2$  ogf]  
A166521 16.4576  $-(-11-3*x+5*x^3-15*x^2)/(x-1)/(x+1)/(-1+5*x^2-10*x)$  lgdogf  
A166521 7.57272 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 11, a(2) = 7\}$ , ogf]  
A166522 13.7453 [  $-(6*x^2-12*x-1)/(x+1)/(x-1)^2$  ogf]  
A166522 16.3901  $-(-13-3*x+6*x^3-18*x^2)/(x-1)/(x+1)/(-1+6*x^2-12*x)$  lgdogf  
A166522 7.54165 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 13, a(2) = 8\}$ , ogf]  
A166523 14.0083 [  $-(7*x^2-14*x-1)/(x+1)/(x-1)^2$  ogf]  
A166523 16.7099  $-(-15-3*x+7*x^3-21*x^2)/(x-1)/(x+1)/(-1+7*x^2-14*x)$  lgdogf  
A166523 7.68598 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 15, a(2) = 9\}$ , ogf]  
A166524 13.6290 [  $-(8*x^2-16*x-1)/(x+1)/(x-1)^2$  ogf]  
A166524 16.2515  $-(-17-3*x+8*x^3-24*x^2)/(x-1)/(x+1)/(-1+8*x^2-16*x)$  lgdogf  
A166524 7.41225 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 17, a(2) = 10\}$ , ogf]  
A166525 13.4395 [  $-(9*x^2-18*x-1)/(x+1)/(x-1)^2$  ogf]  
A166525 16.0225  $-(-19-3*x+9*x^3-27*x^2)/(x-1)/(x+1)/(-1+9*x^2-18*x)$  lgdogf  
A166525 7.30918 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 19, a(2) = 11\}$ , ogf]  
A166526 13.4178 [  $-(11*x^2-22*x-1)/(x+1)/(x-1)^2$  ogf]  
A166526 15.6457  $-(-23-3*x+11*x^3-33*x^2)/(x-1)/(x+1)/(-1+11*x^2-22*x)$  lgdogf  
A166526 7.41512 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 23, a(2) = 13\}$ , ogf]  
A166536 10.3554 [  $-(x^3-3*x^2+1)/(x-1)/(x+1)/(x^2-3*x+1)$  ogf]  
A166536 8.91589  $-(3-6*x+9*x^4-2*x^3+x^6-6*x^5+3*x^2)/(x-1)/(x+1)/(x^2-3*x+1)/(x^3-3*x^2+1)$  lgdogf  
A166538 3.56199 [  $(8*x^{11}+x^{10}+2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^{10}-14*x^7+2*x^6-14*x^5+2*x^4-14*x^3+2*x^2-14*x+2)$  ogf]  
A166539 14.1405 [  $-(3*x^2-6*x-2)/(x+1)/(x-1)^2$  ogf]  
A166539 17.6263  $-(-8-6*x+3*x^3-9*x^2)/(x-1)/(x+1)/(-2+3*x^2-6*x)$  lgdogf  
A166539 7.70152 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 8, a(2) = 7\}$ , ogf]  
A166540 11.3322  $-12*(129+87*x+x^4+13*x^3-20*x^2)/(x-1)/(4*x^4+35*x^3-69*x^2+197*x+193)$  lgdogf  
A166540 6.27312 [  $-x^3*(4*x^4+35*x^3-69*x^2+197*x+193)/(x-1)^7$  ogf]  
A166541 3.74466 [  $(9*x^{11}+x^{10}+2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^{10}-16*x^7+2*x^6-16*x^5+2*x^4-16*x^3+2*x^2-16*x+2)$  ogf]  
A166542 14.0281 [  $-2*(2*x^2-4*x-1)/(x+1)/(x-1)^2$  ogf]  
A166542 17.4862  $-(-5-3*x+2*x^3-6*x^2)/(x-1)/(x+1)/(-1+2*x^2-4*x)$  lgdogf  
A166542 7.57272 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 2, a(1) = 10, a(2) = 8\}$ , ogf]  
A166544 13.8110 [  $-(5*x^2-10*x-2)/(x+1)/(x-1)^2$  ogf]  
A166544 16.4701  $-(-12-6*x+5*x^3-15*x^2)/(x-1)/(x+1)/(-2+5*x^2-10*x)$  lgdogf  
A166544 7.57773 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 12, a(2) = 9\}$ , ogf]  
A166545 20.4143 [  $13/(x+1)/(x-1)^2$  ogf]  
A166545 40.6458 [  $[1+x]$  ogf\_with\_Euler\_transform]

A166545 7.45565 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 13, a(1) = 13, a(2) = 26\}$ , ogf]  
A166551 4.20417 [ $(11x^{11}+x^{10}+2x^5+2x^4+2x^3+2x^2+2x+2)/(x^{10}-20x^5+2x^4-20x^3+2x^2-20x+2)$  ogf]  
A166552 11.2771 [ $\{a(n+2)-3a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A166552 17.6033 [ $-(4x+1)/(3x^2-1)$  ogf]  
A166552 18.6188  $1/2/(4+3x)*(-1+(1+16x+12x^2)^{1/2})$  revogf  
A166552 20.8093  $-2*(2+3x+6x^2)/(4x+1)/(3x^2-1)$  lgdogf  
A166557 4.20417 [ $(12x^{11}+x^{10}+2x^5+2x^4+2x^3+2x^2+2x+2)/(x^{10}-22x^5+2x^4-22x^3+2x^2-22x+2)$  ogf]  
A166558 3.79908 [ $(13x^{11}+x^{10}+2x^5+2x^4+2x^3+2x^2+2x+2)/(x^{10}-24x^5+2x^4-24x^3+2x^2-24x+2)$  ogf]  
A166568 3.88493 [ $(14x^{11}+x^{10}+2x^5+2x^4+2x^3+2x^2+2x+2)/(x^{10}-26x^5+2x^4-26x^3+2x^2-26x+2)$  ogf]  
A166577 16.7832 [ $(3x^2+6x+1)/(2x+1)$  ogf]  
A166577 21.5461  $2*(2+3x+3x^2)/(2x+1)/(3x^2+6x+1)$  lgdogf  
A166577 8.99102 [ $\{a(n+3)+2a(n+2), a(0) = 1, a(1) = 4, a(2) = -5\}$ , ogf]  
A166578 11.4318 [ $-(x^3+3x^2-1)/(2x-1)/(x-1)/(x^2+x+1)$  ogf]  
A166578 9.34419  $-(2-6x-3x^4-4x^3+2x^6+12x^5+6x^2)/(x-1)/(-1+2x)/(x^2+x+1)/(x^3+3x^2-1)$  lgdogf  
A166583 3.99225 [ $(15x^{11}+x^{10}+2x^5+2x^4+2x^3+2x^2+2x+2)/(x^{10}-28x^5+2x^4-28x^3+2x^2-28x+2)$  ogf]  
A166584 4.05664 [ $(16x^{11}+x^{10}+2x^5+2x^4+2x^3+2x^2+2x+2)/(x^{10}-30x^5+2x^4-30x^3+2x^2-30x+2)$  ogf]  
A166585 4.16396 [ $(17x^{11}+x^{10}+2x^5+2x^4+2x^3+2x^2+2x+2)/(x^{10}-32x^5+2x^4-32x^3+2x^2-32x+2)$  ogf]  
A166587 19.5105  $-1/6+1/2*x+1/6*(1+6*x-3*x^2)^{1/2}$  revogf  
A166588 15.3840  $1/2/(2+2*x+x^2)*(-1+x+2*x^2+(1+6*x-3*x^2)^{1/2})$  revogf  
A166588 3.84174 [ $\{(-4n-8)*a(n+1)+(4n+8)*a(n+2)+(n+5)*a(n+3)+(-n-5)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 3\}$ , ogf]  
A166592 11.8603 [ $x*(x^2+3x+1)/(x^4-x^2+1)$  ogf]  
A166592 16.2967  $-(-3-4*x+9*x^4+4*x^3+2*x^5-3*x^2)/(x^2+3*x+1)/(x^4-x^2+1)$  lgdogf  
A166593 11.0697 [ $-x*(x^2+3x+1)/(x-1)/(x^4-x^2+1)$  ogf]  
A166593 14.0605  $-(4+4*x-5*x^4-10*x^3+3*x^6+10*x^5-x^2)/(x-1)/(x^2+3*x+1)/(x^4-x^2+1)$  lgdogf  
A166598 21.2396 [ $5/(x+1)/(x-1)^2$  ogf]  
A166598 41.3045 [[1+x] ogf\_with\_Euler\_transform]  
A166598 7.70641 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 5, a(2) = 10\}$ , ogf]  
A166599 4.22835 [ $(18x^{11}+x^{10}+2x^5+2x^4+2x^3+2x^2+2x+2)/(x^{10}-34x^5+2x^4-34x^3+2x^2-34x+2)$  ogf]  
A166600 5.01307 [ $(19x^{11}+x^{10}+2x^3+2x^2+2x+2)/(x^{10}-36x^3+2x^2-36x+2)$  ogf]  
A166601 5.06908 [ $(20x^{11}+x^{10}+2x^3+2x^2+2x+2)/(x^{10}-38x^3+2x^2-38x+2)$  ogf]  
A166603 5.15310 [ $(21x^{11}+x^{10}+2x^3+2x^2+2x+2)/(x^{10}-40x^3+2x^2-40x+2)$  ogf]  
A166608 5.18110 [ $(22x^{11}+x^{10}+2x^3+2x^2+2x+2)/(x^{10}-42x^3+2x^2-42x+2)$  ogf]  
A166610 5.32113 [ $(23x^{11}+x^{10}+2x^3+2x^2+2x+2)/(x^{10}-44x^3+2x^2-44x+2)$  ogf]  
A166611 5.34914 [ $(24x^{11}+x^{10}+2x^3+2x^2+2x+2)/(x^{10}-46x^3+2x^2-46x+2)$  ogf]  
A166612 5.40515 [ $(25x^{11}+x^{10}+2x^3+2x^2+2x+2)/(x^{10}-48x^3+2x^2-48x+2)$  ogf]  
A166613 5.46116 [ $(26x^{11}+x^{10}+2x^3+2x^2+2x+2)/(x^{10}-50x^3+2x^2-50x+2)$  ogf]  
A166614 5.51717 [ $(27x^{11}+x^{10}+2x^3+2x^2+2x+2)/(x^{10}-52x^3+2x^2-52x+2)$  ogf]  
A166615 5.60119 [ $(28x^{11}+x^{10}+2x^3+2x^2+2x+2)/(x^{10}-54x^3+2x^2-54x+2)$  ogf]

A166616 5.62920 [ (29\*x^11+x^10+2\*x^3+2\*x^2+2\*x+2)/(x^10-56\*x^3+2\*x^2-56\*x+2) ogf]  
A166617 5.68521 [ (30\*x^11+x^10+2\*x^3+2\*x^2+2\*x+2)/(x^10-58\*x^3+2\*x^2-58\*x+2) ogf]  
A166618 5.71321 [ (31\*x^11+x^10+2\*x^3+2\*x^2+2\*x+2)/(x^10-60\*x^3+2\*x^2-60\*x+2) ogf]  
A166621 13.4395 [ -5\*(x^2-2\*x-1)/(x+1)/(x-1)^2 ogf]  
A166621 18.5715 [ -(3-3\*x+x^3-3\*x^2)/(x-1)/(x+1)/(-1+x^2-2\*x) lgdogf]  
A166621 7.30918 [ {a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 15, a(2) = 15}, ogf]  
A166622 5.71321 [ (32\*x^11+x^10+2\*x^3+2\*x^2+2\*x+2)/(x^10-62\*x^3+2\*x^2-62\*x+2) ogf]  
A166639 13.7918 [ (7\*x^2-2\*x+7)/(x+1)/(x-1)^2 ogf]  
A166639 15.8692 [ (-19-15\*x+7\*x^3-21\*x^2)/(x-1)/(x+1)/(-5+7\*x^2-14\*x) lgdogf]  
A166639 7.44512 [ {a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 7, a(1) = 5, a(2) = 19}, ogf]  
A166679 5.90925 [ (33\*x^11+x^10+2\*x^3+2\*x^2+2\*x+2)/(x^10-64\*x^3+2\*x^2-64\*x+2) ogf]  
A166682 5.90925 [ (34\*x^11+x^10+2\*x^3+2\*x^2+2\*x+2)/(x^10-66\*x^3+2\*x^2-66\*x+2) ogf]  
A166683 5.90925 [ (35\*x^11+x^10+2\*x^3+2\*x^2+2\*x+2)/(x^10-68\*x^3+2\*x^2-68\*x+2) ogf]  
A166688 5.96527 [ (36\*x^11+x^10+2\*x^3+2\*x^2+2\*x+2)/(x^10-70\*x^3+2\*x^2-70\*x+2) ogf]  
A166689 5.19727 [ (37\*x^11+x^10+2\*x^3+2\*x^2+2\*x+2)/(x^10-72\*x^3+2\*x^2-72\*x+2) ogf]  
A166690 5.19727 [ (38\*x^11+x^10+2\*x^3+2\*x^2+2\*x+2)/(x^10-74\*x^3+2\*x^2-74\*x+2) ogf]  
A166691 5.25198 [ (39\*x^11+x^10+2\*x^3+2\*x^2+2\*x+2)/(x^10-76\*x^3+2\*x^2-76\*x+2) ogf]  
A166693 5.27933 [ (40\*x^11+x^10+2\*x^3+2\*x^2+2\*x+2)/(x^10-78\*x^3+2\*x^2-78\*x+2) ogf]  
A166697 9.81480 [ -1/2\*(-1-3\*x+2\*x^2+(1+2\*x+9\*x^2-4\*x^3+4\*x^4)^(1/2))/(1+x) revogf]  
A166711 11.6591 [ x\*(x^3-x^2+2\*x+1)/(x-1)^2/(x^2+x+1)^2 ogf]  
A166711 13.6143 [ -(2-2\*x-4\*x^4+10\*x^3+3\*x^5+9\*x^2)/(x-1)/(x^2+x+1)/(x^3-x^2+2\*x+1) lgdogf]  
A166714 5.33404 [ (41\*x^11+x^10+2\*x^3+2\*x^2+2\*x+2)/(x^10-80\*x^3+2\*x^2-80\*x+2) ogf]  
A166716 5.33404 [ (42\*x^11+x^10+2\*x^3+2\*x^2+2\*x+2)/(x^10-82\*x^3+2\*x^2-82\*x+2) ogf]  
A166717 5.36139 [ (43\*x^11+x^10+2\*x^3+2\*x^2+2\*x+2)/(x^10-84\*x^3+2\*x^2-84\*x+2) ogf]  
A166718 12.0968 [ -(x^31+x^30-2\*x^15+2)/(-x^31+x^15-1) ogf\_with\_Euler\_transform]  
A166723 5.38875 [ (44\*x^11+x^10+2\*x^3+2\*x^2+2\*x+2)/(x^10-86\*x^3+2\*x^2-86\*x+2) ogf]  
A166725 10.4453 [ (25\*x+1)/(25\*x-1)^2 ogf]  
A166725 12.2192 [ -1/50\*(-1-50\*x+(1+200\*x)^(1/2))/(-1+25\*x) revogf]  
A166725 16.6996 [ -25\*(3+25\*x)/(25\*x-1)/(25\*x+1) lgdogf]  
A166725 5.95141 [ {-a(n+2)+50\*a(n+1)-625\*a(n), a(0) = 1, a(1) = 75}, ogf]  
A166726 6.27275 [ 2\*x\*(4\*x^9+5\*x^8+5\*x^7+5\*x^6+5\*x^5+5\*x^4+5\*x^3+5\*x^2+10\*x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A166727 6.61664 [ 2\*(3\*x^9+5\*x^8+5\*x^7+5\*x^6+5\*x^5+5\*x^4+5\*x^3+5\*x^2+10\*x+2)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A166728 6.61664 [ 2\*(2\*x^9+5\*x^8+5\*x^7+5\*x^6+5\*x^5+5\*x^4+5\*x^3+5\*x^2+10\*x+3)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A166729 6.61664 [ 2\*(x^9+5\*x^8+5\*x^7+5\*x^6+5\*x^5+5\*x^4+5\*x^3+5\*x^2+10\*x+4)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A166730 6.96483 [ 10\*(x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+2)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A166731 23.1376 [ 100/(x-1)^2 ogf]  
A166731 39.7340 [ x/(5+(25+x)^(1/2))^2 revogf]



A166731 61.9152 [[2] ogf\_with\_Euler\_transform]  
A166731 9.41648 [{-a(n+2)+2\*a(n+1)-a(n), a(0) = 100, a(1) = 200}, ogf]  
A166731 99.3350 -2/(x-1) lgdogf  
A166738 5.44345 [ (45\*x^11+x^10+2\*x^3+2\*x^2+2\*x+2)/(x^10-88\*x^3+2\*x^2-88\*x+2) ogf]  
A166739 5.44345 [ (46\*x^11+x^10+2\*x^3+2\*x^2+2\*x+2)/(x^10-90\*x^3+2\*x^2-90\*x+2) ogf]  
A166740 5.44345 [ (47\*x^11+x^10+2\*x^3+2\*x^2+2\*x+2)/(x^10-92\*x^3+2\*x^2-92\*x+2) ogf]  
A166741 25.3249 2/(-(x-1)\*(x+1))^(1/2) lgdegf  
A166748 24.2247 6/(-(x-1)\*(x+1))^(1/2) lgdegf  
A166749 6.02856 [ x\*(320\*x^9+680\*x^8+98\*x^7-428\*x^6-278\*x^5-185\*x^4-149\*x^3-17\*x^2+18\*x+4)/(x-1)/(x+1)/(10\*x^2-1) ogf]  
A166750 6.01805 [{-8\*n^3-36\*n^2-54\*n-27)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 1}, ogf]  
A166752 11.5580 [ -(4\*x^3+2\*x^2-x-1)/(x-1)/(2\*x+1)/(2\*x-1)/(x+1) ogf]  
A166752 8.36728 -(1+6\*x+8\*x^4-16\*x^3+16\*x^6+16\*x^5-7\*x^2)/(x-1)/(2\*x+1)/(-1+2\*x)/(x+1)/(4\*x^3+2\*x^2-x-1) lgdogf  
A166753 8.26736 -2\*(1+4\*x+4\*x^4-15\*x^3+16\*x^6+20\*x^5-6\*x^2)/(x-1)/(2\*x+1)/(-1+2\*x)/(x+1)/(4\*x^3+2\*x^2-x-1) lgdogf  
A166753 8.91961 [ (4\*x^3+2\*x^2-x-1)/(2\*x+1)/(2\*x-1)/(x+1)/(x-1)^2 ogf]  
A166754 10.9405 -2\*(-1-4\*x+8\*x^4-x^3+6\*x^2)/(x-1)/(-1+2\*x)/(x+1)/(4\*x^2-x+1) lgdogf  
A166754 9.71067 [ -(4\*x^2-x+1)/(2\*x-1)/(x+1)/(x-1)^2 ogf]  
A166756 16.2664 -(29+40\*x+2\*x^3+9\*x^2)/(x-1)/(x^3+2\*x^2+9\*x+4) lgdogf  
A166756 3.85149 [ {(-73\*n^2-236\*n-180)\*a(n+1)+(-238\*n^2-2549\*n-4602)\*a(n+2)+(311\*n^2+1249\*n+1254)\*a(n+3), a(0) = 0, a(1) = 24, a(2) = 174}, ogf]  
A166756 8.07173 [ -6\*x\*(x^3+2\*x^2+9\*x+4)/(x-1)^5 ogf]  
A166757 5.24893 [ -24\*x\*(x^5+8\*x^4+13\*x^3+27\*x^2+14\*x+1)/(x-1)^7 ogf]  
A166757 9.19366 -(x+1)\*(2\*x^4+27\*x^3+57\*x^2+117\*x+21)/(x-1)/(x^5+8\*x^4+13\*x^3+27\*x^2+14\*x+1) lgdogf  
A166758 3.61379 [ -120\*x^2\*(2\*x^6+12\*x^5+43\*x^4+60\*x^3+84\*x^2+48\*x+7)/(x-1)^9 ogf]  
A166758 6.46295 -(111+552\*x+275\*x^4+532\*x^3+6\*x^6+60\*x^5+768\*x^2)/(x-1)/(2\*x^6+12\*x^5+43\*x^4+60\*x^3+84\*x^2+48\*x+7) lgdogf  
A166761 10.2490 -(-15+29\*x+24\*x^4-36\*x^3+6\*x^2)/(x-1)/(-1+2\*x)/(6\*x^3-9\*x^2+3\*x+2) lgdogf  
A166761 7.75017 [ -2\*(6\*x^3-9\*x^2+3\*x+2)/(2\*x-1)/(x-1)^4 ogf]  
A166762 3.42518 [ -6\*(4\*x^8-12\*x^7+49\*x^6-138\*x^5+188\*x^4-98\*x^3-8\*x^2+18\*x+1)/(2\*x-1)^2/(x-1)^7 ogf]  
A166776 18.4069 -(51-36\*x+2\*x^3+3\*x^2)/(x-1)/(x^3-9\*x+12) lgdogf  
A166776 4.50303 [ {(-2-n)\*a(n+1)+(-n^2-10\*n-26)\*a(n+2)+(n^2+7\*n+10)\*a(n+3), a(0) = 0, a(1) = 12, a(2) = 51}, ogf]  
A166776 9.11327 [ -x\*(x^3-9\*x+12)/(x-1)^5 ogf]  
A166777 5.29954 [ x\*(x-2)\*(x^4+9\*x^3-27\*x^2+19\*x+6)/(x-1)^7 ogf]  
A166777 8.74594 -2\*(-58-23\*x+13\*x^4-76\*x^3+x^5+115\*x^2)/(x-1)/(x-2)/(x^4+9\*x^3-27\*x^2+19\*x+6) lgdogf  
A166778 3.74293 [ -x^2\*(x^6+33\*x^5-186\*x^4+322\*x^3-119\*x^2-195\*x+160)/(x-1)^9 ogf]  
A166778 5.87073 -(1245-1798\*x-765\*x^4+1188\*x^3+3\*x^6+138\*x^5+133\*x^2)/(x-1)/(x^6+33\*x^5-186\*x^4+322\*x^3-119\*x^2-195\*x+160) lgdogf  
A166781 11.5174 [ (x^3+x+4)/(x-1)^4 ogf]  
A166781 22.2814 -(17+3\*x+x^3+3\*x^2)/(x-1)/(x^3+x+4) lgdogf  
A166781 4.03403 [ {(-103\*n^2-765\*n-1118)\*a(n+1)+(248\*n^2+1424\*n+1040)\*a(n+2)+(-145\*n^2-533\*n-294)\*a(n+3), a(0) = 4, a(1) = 17, a(2) = 44}, ogf]  
A166782 3.37205 [ -(3\*x^6+x^5-7\*x^4+43\*x^3-50\*x^2+48\*x+6)/(x-1)^7 ogf]  
A166796 20.8922 -2\*(13-9\*x+x^3)/(x-1)/(x^3-x^2-4\*x+6) lgdogf  
A166796 4.19252 [ {-15\*n^2-123\*n-186)\*a(n+1)+(11\*n^2-55\*n-456)\*a(n+2)+(4\*n^2+102\*n+188)\*a(n+3), a(0) = 0, a(1) = 6, a(2) = 26}, ogf]  
A166796 8.61541 [ -x\*(x^3-x^2-4\*x+6)/(x-1)^5 ogf]

A166797 5.33878 [  $x^*(x^5+2*x^4-20*x^3+32*x^2-11*x-8)/(x-1)^7$  ogf]  
A166797 8.74107  $-(-67-2*x+11*x^4-72*x^3+2*x^5+100*x^2)/(x-1)/$   
 $(x^5+2*x^4-20*x^3+32*x^2-11*x-8)$  lgdogf  
A166798 3.63101 [  $-x^2*(x^6+14*x^5-79*x^4+108*x^3+37*x^2-178*x+105)/(x-1)^9$  ogf]  
A166798 5.90329  $- (767-1350*x-325*x^4+332*x^3+3*x^6+62*x^5+583*x^2)/(x-1)/$   
 $(x^6+14*x^5-79*x^4+108*x^3+37*x^2-178*x+105)$  lgdogf  
A166805 14.0725  $-(-13+12*x+x^4-2*x^3-3*x^2)/(x-1)/(x^4-3*x^3+2*x^2+2*x-3)$  lgdogf  
A166805 8.59984 [  $(x^4-3*x^3+2*x^2+2*x-3)/(x-1)^5$  ogf]  
A166808 7.76486 [  $(x^5-4*x^4+5*x^3-5*x+4)/(x-1)^6$  ogf]  
A166810 7.46355 [  $(x^6-5*x^5+9*x^4-5*x^3-5*x^2+9*x-5)/(x-1)^7$  ogf]  
A166812 5.73654 [  $(x^7-6*x^6+14*x^5-14*x^4+14*x^2-14*x+6)/(x-1)^8$  ogf]  
A166813 4.60072 [  $(x^8-7*x^7+20*x^6-28*x^5+14*x^4+14*x^3-28*x^2+20*x-7)/(x-1)^9$   
ogf]  
A166814 22.7356  $- (25-18*x+3*x^2)/(x-1)/(x-2)/(x-3)$  lgdogf  
A166814 3.90051 [  $\{(-18-6*n)*a(n+4)+(47+11*n)*a(n+3)+(-6*n-24)*a(n+2)+(n+3)*a(n$   
 $+1)\}$ ,  $a(0) = 0$ ,  $a(1) = 6$ ,  $a(2) = 25$ ,  $a(3) = 66$ }, ogf]  
A166814 9.44581 [  $-x*(x-2)*(x-3)/(x-1)^5$  ogf]  
A166815 11.4034  $-(-67+15*x^4-72*x^3+96*x^2)/(x-1)/(5*x^4-23*x^3+33*x^2-11*x-8)$   
lgdogf  
A166815 5.97840 [  $x*(5*x^4-23*x^3+33*x^2-11*x-8)/(x-1)^7$  ogf]  
A166816 3.81486 [  $-x^2*(18*x^5-85*x^4+112*x^3+36*x^2-178*x+105)/(x-1)^9$  ogf]  
A166816 6.55200  $- (767-1352*x-335*x^4+332*x^3+72*x^5+588*x^2)/(x-1)/$   
 $(18*x^5-85*x^4+112*x^3+36*x^2-178*x+105)$  lgdogf  
A166819 3.06948 [  $(x^5-9*x^4+14*x^3-6*x^2-7*x-1)/(x-1)^7$  ogf]  
A166826 5.57767 [  $x*(x^5+2*x^4-22*x^3+40*x^2-21*x-4)/(x-1)^7$  ogf]  
A166826 9.01981  $-(-49-46*x+11*x^4-80*x^3+2*x^5+134*x^2)/(x-1)/$   
 $(x^5+2*x^4-22*x^3+40*x^2-21*x-4)$  lgdogf  
A166827 3.57213 [  $-x^2*(x^6+15*x^5-101*x^4+210*x^3-155*x^2-17*x+55)/(x-1)^9$  ogf]  
A166827 5.86458  $- (478-446*x-430*x^4+856*x^3+3*x^6+66*x^5-455*x^2)/(x-1)/$   
 $(x^6+15*x^5-101*x^4+210*x^3-155*x^2-17*x+55)$  lgdogf  
A166830 18.9805  $- (8-4*x+x^3-x^2)/(x-1)/(x^3-2*x^2+2)$  lgdogf  
A166830 9.56371 [  $(x^3-2*x^2+2)/(x-1)^4$  ogf]  
A166838 10.3463  $-(-49-44*x+15*x^4-80*x^3+130*x^2)/(x-1)/$   
 $(5*x^4-25*x^3+41*x^2-21*x-4)$  lgdogf  
A166838 5.94952 [  $x*(5*x^4-25*x^3+41*x^2-21*x-4)/(x-1)^7$  ogf]  
A166839 3.75300 [  $-x^2*(19*x^5-107*x^4+214*x^3-156*x^2-17*x+55)/(x-1)^9$  ogf]  
A166839 6.37454  $-2*(239-224*x-220*x^4+428*x^3+38*x^5-225*x^2)/(x-1)/$   
 $(19*x^5-107*x^4+214*x^3-156*x^2-17*x+55)$  lgdogf  
A166842 3.31395 [  $-(x+1)*(2*x^3-5*x^2+6*x+1)/(x-1)^7$  ogf]  
A166842 5.93931  $-2*(7+22*x+3*x^4-2*x^3-2*x^2)/(x-1)/(x+1)/(2*x^3-5*x^2+6*x+1)$   
lgdogf  
A166854 5.55287 [  $(48*x^11+x^10+2*x^3+2*x^2+2*x+2)/(x^10-94*x^3+2*x^2-94*x+2)$   
ogf]  
A166855 5.55287 [  $(49*x^11+x^10+2*x^3+2*x^2+2*x+2)/(x^10-96*x^3+2*x^2-96*x+2)$   
ogf]  
A166856 5.55287 [  $(50*x^11+x^10+2*x^3+2*x^2+2*x+2)/(x^10-98*x^3+2*x^2-98*x+2)$   
ogf]  
A166858 4.92389 [  $-(2*x^13-1)/$   
 $(4*x^12-4*x^11+4*x^10-4*x^9+4*x^8-4*x^7+4*x^6-4*x^5+4*x^4-4*x^3+4*x^2-4*x+1)$   
ogf]  
A166861 23.9178 [  $-1/(x^2+x-1)$  ogf\_with\_Euler\_transform]  
A166863 14.6722 [  $(x^2+3*x+1)/(x-1)/(x^2+x-1)$  ogf]  
A166863 8.18552 [  $\{a(n+3)-2*a(n+2)+a(n)\}$ ,  $a(0) = 1$ ,  $a(1) = 5$ ,  $a(2) = 11$ }, ogf]  
A166867 8.62954  $-2*(-4-3*x+20*x^4+29*x^3+4*x^5+8*x^2)/(-1+2*x)/(x+1)/(2*x^2+5*x$   
 $+1)/(x^2+2*x-1)$  lgdogf  
A166867 9.35755 [  $x*(2*x^2+5*x+1)/(2*x-1)/(x+1)/(x^2+2*x-1)$  ogf]  
A166868 10.5899 [  $(2*x+1)/(2*x-1)/(x+1)/(x^2+2*x-1)$  ogf]  
A166868 9.73540  $-(-5-2*x+12*x^4+28*x^3+13*x^2)/(2*x+1)/(-1+2*x)/(x+1)/$   
 $(x^2+2*x-1)$  lgdogf  
A166871 7.73576 [  $-x*(x^8-x^6-2*x^5+2*x^4+x^3-3*x^2-2*x-1)/(x-1)^2/$   
 $(x^4+x^3+x^2+x+1)^2$  ogf]

A166873 12.6740 [  $(11x^2-22x-1)/(x-1)^3$  ogf]  
A166873 19.5832  $-(-25-22x+11x^2)/(x-1)/(11x^2-22x-1)$  lgdogf  
A166873 7.00407 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 25, a(2) = 61\}$ , ogf]  
A166876 12.3864 [  $-(1982x^2+1982x-1983)/(x-1)/(x^2+x-1)$  ogf]  
A166876 7.45588 [  $\{a(n+3)-2a(n+2)+a(n), a(0) = 1983, a(1) = 1984, a(2) = 1986\}$ , ogf]  
A166876 9.42168  $-(1984-3964x+1982x^4+3964x^3-1985x^2)/(x-1)/(x^2+x-1)/(1982x^2+1982x-1983)$  lgdogf  
A166878 3.69426 [  $(7x^{12}+x^{11}+2x^7+2x^6+2x^5+2x^4+2x^3+2x^2+2x+2)/(x^{11}-12x^7+2x^6-12x^5+2x^4-12x^3+2x^2-12x+2)$  ogf]  
A166910 3.56199 [  $(8x^{12}+x^{11}+2x^7+2x^6+2x^5+2x^4+2x^3+2x^2+2x+2)/(x^{11}-14x^7+2x^6-14x^5+2x^4-14x^3+2x^2-14x+2)$  ogf]  
A166911 10.4173 [  $-(x^3-5x^2-x-3)/(x-1)^4$  ogf]  
A166911 18.3088  $-(-13-13x+x^3-7x^2)/(x-1)/(x^3-5x^2-x-3)$  lgdogf  
A166911 4.22174 [  $\{(67n^2+383n+498)a(n+1)+(-42n^2+72n+546)a(n+2)+(-25n^2-179n-312)a(n+3), a(0) = 3, a(1) = 13, a(2) = 39\}$ , ogf]  
A166912 3.44335 [  $\{a(n+4)-21a(n+3)+84a(n+2)-64a(n+1), a(0) = 106, a(1) = 8075, a(2) = 114235, a(3) = 1767675\}$ , ogf]  
A166912 6.11701 [  $-(40256x^3-46436x^2+5849x+106)/(x-1)/(4x-1)/(16x-1)$  ogf]  
A166913 3.47414 [  $\{a(n+4)-21a(n+3)+84a(n+2)-64a(n+1), a(0) = 357, a(1) = 14450, a(2) = 221650, a(3) = 3508050\}$ , ogf]  
A166913 5.12116  $-50*(289-3272x+8192x^4-19456x^3+14112x^2)/(x-1)/(4x-1)/(16x-1)/(44352x^3-51812x^2+6953x+357)$  lgdogf  
A166913 6.21259 [  $-(44352x^3-51812x^2+6953x+357)/(x-1)/(4x-1)/(16x-1)$  ogf]  
A166914 10.4249  $-1/32*(-21-20x+((4x+9)*(36x+49))^{1/2})/(5+4x)$  revogf  
A166914 10.8593  $-4*(80x-17)*(16x-5)/(4x-1)/(80x-21)/(16x-1)$  lgdogf  
A166914 10.8640 [  $-(80x-21)/(16x-1)/(4x-1)$  ogf]  
A166914 6.11882 [  $\{-a(n+2)+20a(n+1)-64a(n), a(0) = 21, a(1) = 340\}$ , ogf]  
A166915 4.12759 [  $\{a(n+3)-21a(n+2)+84a(n+1)-64a(n), a(0) = 399, a(1) = 5695, a(2) = 88319\}$ , ogf]  
A166915 5.38698  $-(5695-62552x+143360x^4-343552x^3+255024x^2)/(x-1)/(4x-1)/(16x-1)/(2240x^2-2684x+399)$  lgdogf  
A166915 7.10862 [  $-(2240x^2-2684x+399)/(x-1)/(4x-1)/(16x-1)$  ogf]  
A166916 4.12759 [  $\{a(n+3)-21a(n+2)+84a(n+1)-64a(n), a(0) = 357, a(1) = 5525, a(2) = 87637\}$ , ogf]  
A166916 5.38698  $-(5525-56776x+102400x^4-252416x^3+200592x^2)/(x-1)/(4x-1)/(16x-1)/(1600x^2-1972x+357)$  lgdogf  
A166916 7.10862 [  $-(1600x^2-1972x+357)/(x-1)/(4x-1)/(16x-1)$  ogf]  
A166917 5.53919 [  $\{-a(n+2)+20a(n+1)-64a(n), a(0) = 85, a(1) = 1364\}$ , ogf]  
A166917 8.99277  $-1/32*(-85-20x+((36x+289)*(4x+25))^{1/2})/(21+4x)$  revogf  
A166917 9.34543  $-4*(48x-11)*(112x-31)/(336x-85)/(16x-1)/(4x-1)$  lgdogf  
A166917 9.74898 [  $-(336x-85)/(16x-1)/(4x-1)$  ogf]  
A166920 13.0046 [  $-x*(x-2)/(x-1)/(2x-1)/(x+1)$  ogf]  
A166920 15.2244  $-(3+4x+4x^3-13x^2)/(x-1)/(x-2)/(-1+2x)/(x+1)$  lgdogf  
A166920 6.67802 [  $\{-a(n+3)+2a(n+2)+a(n+1)-2a(n), a(0) = 0, a(1) = 2, a(2) = 3\}$ , ogf]  
A166924 3.74466 [  $(9x^{12}+x^{11}+2x^7+2x^6+2x^5+2x^4+2x^3+2x^2+2x+2)/(x^{11}-16x^7+2x^6-16x^5+2x^4-16x^3+2x^2-16x+2)$  ogf]  
A166925 10.4009 [  $\{a(n+3)-a(n), a(0) = 1, a(1) = 9, a(2) = 9\}$ , ogf]  
A166925 13.7965  $-3*(3+6x+3x^4+6x^3+x^2)/(x-1)/(x^2+x+1)/(9x^2+9x+1)$  lgdogf  
A166925 16.1320 [  $-(9x^2+9x+1)/(x-1)/(x^2+x+1)$  ogf]  
A166926 42.2903  $2*(4x+1)/(4x^2+1+2x)$  lgdogf  
A166926 7.82712 [  $\{-a(n+3), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A166927 11.6945 [  $-(2x-1)/(16x-1)/(4x-1)$  ogf]  
A166927 11.7024  $-1/4*(-1-20x+(1+32x+144x^2)^{1/2})/(1+32x)$  revogf  
A166927 12.2343  $-2*(9-64x+64x^2)/(16x-1)/(-1+2x)/(4x-1)$  lgdogf  
A166927 6.46639 [  $\{-a(n+2)+20a(n+1)-64a(n), a(0) = 1, a(1) = 18\}$ , ogf]  
A166931 14.9870 [  $(x+2519)/(x-1)^2$  ogf]  
A166931 15.0058  $-1/2*(-2519-2x+(6345361+10080x)^{1/2})/(-1+x)$  revogf  
A166931 29.3863  $-(5039+x)/(x+2519)/(x-1)$  lgdogf

A166931 8.17474 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 2519, a(1) = 5039\}$ , ogf]  
A166933 4.34974 [ $(10*x^{12}+x^{11}+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^{11}-18*x^5+2*x^4-18*x^3+2*x^2-18*x+2)$  ogf]  
A166941 11.9364  $-(17+32*x+x^4-8*x^3+18*x^2)/(x-1)/(x^4-6*x^3+12*x^2+2*x+3)$  lgdogf  
A166941 7.28139 [ $-2*(x^4-6*x^3+12*x^2+2*x+3)/(x-1)^5$  ogf]  
A166942 5.82640 [ $-(x^5-6*x^4+14*x^3-16*x^2-15*x-2)/(x-1)^6$  ogf]  
A166942 8.75242  $-(27-107*x-7*x^4+18*x^3+x^5-22*x^2)/(x-1)/(x^5-6*x^4+14*x^3-16*x^2-15*x-2)$  lgdogf  
A166943 4.80268 [ $-(3*x^6-20*x^5+55*x^4-80*x^3+65*x^2+212*x+5)/(x-1)^7$  ogf]  
A166943 6.48295  $-(247+1402*x+65*x^4-100*x^3+3*x^6-22*x^5+85*x^2)/(x-1)/(3*x^6-20*x^5+55*x^4-80*x^3+65*x^2+212*x+5)$  lgdogf  
A166950 4.20417 [ $(11*x^{12}+x^{11}+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^{11}-20*x^5+2*x^4-20*x^3+2*x^2-20*x+2)$  ogf]  
A166951 4.20417 [ $(12*x^{12}+x^{11}+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^{11}-22*x^5+2*x^4-22*x^3+2*x^2-22*x+2)$  ogf]  
A166952 6.51620  $x*(-1-x^5-x^3+x^9+x^{10}-x^2+x^{12})/(-1-2*x-4*x^4-x^2-3*x^3-4*x^6-2*x^7-x^5+3*x^{10}-3*x^9+4*x^{13}-x^{12})$  revogf  
A166954 5.06543 [ $(13*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-24*x^3+2*x^2-24*x+2)$  ogf]  
A166956 13.7961 [ $x*(5*x-1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A166956 14.7043  $-(3+2*x+20*x^3-11*x^2)/(x-1)/(-1+2*x)/(-1+5*x)/(x+1)$  lgdogf  
A166956 7.08449 [ $\{-a(n+3)+2*a(n+2)+a(n+1)-2*a(n), a(0) = 0, a(1) = -1, a(2) = 3\}$ , ogf]  
A166957 7.35947 [ $(607*x^3+3311*x^2+1127*x+1)/(x-1)^4$  ogf]  
A166957 9.81495  $-(-7829-11137*x+x^3-1219*x^2)/(x-1)/(x^3-611*x^2-3305*x-1131)$  lgdogf  
A166959 12.1011 [ $4*(3*x^2+5*x+3)/(x+1)/(x-1)^2$  ogf]  
A166959 6.73454 [ $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 12, a(1) = 32, a(2) = 56\}$ , ogf]  
A166963 6.63187  $-(2+4*x-3*x^4+8*x^3-7*x^6+4*x^5+2*x^7-4*x^2)/(x^2+1)/(x^3-x^2-2*x+1)/(x^3-2*x^2-1)$  lgdogf  
A166963 7.63010 [ $-(x^3-2*x^2-1)/(x^2+1)/(x^3-x^2-2*x+1)$  ogf]  
A166965 11.6945 [ $-(x-1)/(16*x-1)/(4*x-1)$  ogf]  
A166965 11.7024  $-1/2*(-1-20*x+(1+36*x+144*x^2)^{(1/2)})/(1+64*x)$  revogf  
A166965 13.1295  $-(19-128*x+64*x^2)/(x-1)/(4*x-1)/(16*x-1)$  lgdogf  
A166965 6.46639 [ $\{-a(n+2)+20*a(n+1)-64*a(n), a(0) = 1, a(1) = 19\}$ , ogf]  
A166969 5.17991 [ $(14*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-26*x^3+2*x^2-26*x+2)$  ogf]  
A166971 5.32300 [ $(15*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-28*x^3+2*x^2-28*x+2)$  ogf]  
A166977 14.2166 [ $-x*(4*x+1)/(2*x-1)/(x+1)$  ogf]  
A166977 18.5464  $-(5+4*x+8*x^2)/(4*x+1)/(-1+2*x)/(x+1)$  lgdogf  
A166977 18.5464  $1/4*(-1-x+(1+18*x+9*x^2)^{(1/2)})/(x+2)$  revogf  
A166977 6.89717 [ $\{a(n+3)-a(n+2)-2*a(n+1), a(0) = 0, a(1) = 1, a(2) = 5\}$ , ogf]  
A166978 11.2357 [ $-(5*x-1)*(3*x-1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A166978 6.21977 [ $\{-a(n+3)+2*a(n+2)+a(n+1)-2*a(n), a(0) = -1, a(1) = 6, a(2) = -4\}$ , ogf]  
A166984 11.4534  $-1/128*(-1-20*x+(1+4*x)^{(1/2)}*(36*x+1)^{(1/2)})/x$  revogf  
A166984 15.7041 [ $1/(16*x-1)/(4*x-1)$  ogf]  
A166984 18.5624  $-4*(-5+32*x)/(16*x-1)/(4*x-1)$  lgdogf  
A166984 6.46639 [ $\{-a(n+2)+20*a(n+1)-64*a(n), a(0) = 1, a(1) = 20\}$ , ogf]  
A166986 7.88540 [ $2*(x^8+2*x^7+x^6+x^5+2*x^4+x^3+2*x^2+x+2)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A166989 12.9068 [ $1/(x^4-2*x^3-7*x^2-2*x+1)$  ogf]  
A166989 12.9108  $-2*(-1-7*x+2*x^3-3*x^2)/(-7*x^2+1-2*x+x^4-2*x^3)$  lgdogf  
A166990 19.0292  $(\text{HeunG}(-1/8, 1/4, 1, 1, 1, 1, -x)-1)/x$  lgdogf  
A166991 16.2280  $1/2*(\text{HeunG}(-1/8, 1/4, 1, 1, 1, 1, -x)-1)/x$  lgdogf  
A167004 6.46243  
 $3*(9*x^2+1)*(43046721*x^{16}-4782969*x^{14}+531441*x^{12}-59049*x^{10}+1)*(6561*x^8+1)/(1+3*x+9*x^3+2187*x^9+282429536481*x^{27})$  lgdogf

A167011 7.50914 [  $-(2*x^4-6*x^3+11*x^2-6*x+1)/(x^6+3*x^5-13*x^4+32*x^3-27*x^2+9*x-1)$  ogf]  
A167022 34.4758  $(1+3*x)/(x+1)/(-1+3*x)$  lgdogf  
A167022 4.74252 [  $\{a(n+3)*a(n+3)+(-3-2*n)*a(n+2)-3*n*a(n+1), a(0) = 1, a(1) = -1, a(2) = -2\}$ , ogf]  
A167026 5.40886 [  $(16*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-30*x^3+2*x^2-30*x+2)$  ogf]  
A167027 5.55195 [  $(17*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-32*x^3+2*x^2-32*x+2)$  ogf]  
A167028 21.8917  $1/2*x*(8-4*x^2+x^4)/(x-1)/(x+1)/(-2+x^2)$  lgdegf  
A167030 10.5109 [  $(x^2+2*x-1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A167030 12.5038  $-2*x^2*(x^2+4*x-3)/(x-1)/(-1+2*x)/(x+1)/(x^2+2*x-1)$  lgdogf  
A167030 5.82875 [  $\{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = -1, a(1) = 0, a(2) = 0\}$ , ogf]  
A167031 4.65799 [  $\{a(n+3)-21*a(n+2)+84*a(n+1)-64*a(n), a(0) = 1, a(1) = 20, a(2) = 337\}$ , ogf]  
A167031 8.03448  $-(20-166*x+64*x^4-128*x^3+255*x^2)/(x-1)/(4*x-1)/(16*x-1)/(x^2-x+1)$  lgdogf  
A167031 8.58817 [  $-(x^2-x+1)/(x-1)/(4*x-1)/(16*x-1)$  ogf]  
A167032 4.68200 [  $\{a(n+3)-21*a(n+2)+84*a(n+1)-64*a(n), a(0) = 1, a(1) = 21, a(2) = 358\}$ , ogf]  
A167032 9.20793 [  $-(x^2+1)/(x-1)/(4*x-1)/(16*x-1)$  ogf]  
A167032 9.49374  $-(21-166*x+64*x^4+171*x^2)/(x-1)/(4*x-1)/(16*x-1)/(x^2+1)$  lgdogf  
A167033 4.70601 [  $\{a(n+3)-21*a(n+2)+84*a(n+1)-64*a(n), a(0) = 1, a(1) = 22, a(2) = 379\}$ , ogf]  
A167033 8.24207  $-(22-166*x+64*x^4+128*x^3+87*x^2)/(x-1)/(4*x-1)/(16*x-1)/(x^2+x+1)$  lgdogf  
A167033 8.67670 [  $-(x^2+x+1)/(x-1)/(4*x-1)/(16*x-1)$  ogf]  
A167048 5.63780 [  $(18*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-34*x^3+2*x^2-34*x+2)$  ogf]  
A167049 5.01307 [  $(19*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-36*x^3+2*x^2-36*x+2)$  ogf]  
A167073 5.06908 [  $(20*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-38*x^3+2*x^2-38*x+2)$  ogf]  
A167074 5.15310 [  $(21*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-40*x^3+2*x^2-40*x+2)$  ogf]  
A167075 5.18110 [  $(22*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-42*x^3+2*x^2-42*x+2)$  ogf]  
A167076 5.32113 [  $(23*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-44*x^3+2*x^2-44*x+2)$  ogf]  
A167077 5.34914 [  $(24*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-46*x^3+2*x^2-46*x+2)$  ogf]  
A167078 5.40515 [  $(25*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-48*x^3+2*x^2-48*x+2)$  ogf]  
A167079 5.46116 [  $(26*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-50*x^3+2*x^2-50*x+2)$  ogf]  
A167080 5.51717 [  $(27*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-52*x^3+2*x^2-52*x+2)$  ogf]  
A167081 5.60119 [  $(28*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-54*x^3+2*x^2-54*x+2)$  ogf]  
A167082 5.62920 [  $(29*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-56*x^3+2*x^2-56*x+2)$  ogf]  
A167083 5.68521 [  $(30*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-58*x^3+2*x^2-58*x+2)$  ogf]  
A167084 5.71321 [  $(31*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-60*x^3+2*x^2-60*x+2)$  ogf]  
A167085 5.71321 [  $(32*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-62*x^3+2*x^2-62*x+2)$  ogf]  
A167086 5.90925 [  $(33*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-64*x^3+2*x^2-64*x+2)$  ogf]  
A167087 5.90925 [  $(34*x^{12}+x^{11}+2*x^3+2*x^2+2*x+2)/(x^{11}-66*x^3+2*x^2-66*x+2)$  ogf]

ogf]  
 A167088 5.90925 [ (35\*x^12+x^11+2\*x^3+2\*x^2+2\*x+2)/(x^11-68\*x^3+2\*x^2-68\*x+2) ogf]  
 ogf]  
 A167089 5.96527 [ (36\*x^12+x^11+2\*x^3+2\*x^2+2\*x+2)/(x^11-70\*x^3+2\*x^2-70\*x+2) ogf]  
 ogf]  
 A167090 7.79591 [ (37\*x^12+x^11+2\*x+2)/(x^11-72\*x+2) ogf]  
 A167091 7.79591 [ (38\*x^12+x^11+2\*x+2)/(x^11-74\*x+2) ogf]  
 A167092 7.87797 [ (39\*x^12+x^11+2\*x+2)/(x^11-76\*x+2) ogf]  
 A167093 7.91900 [ (40\*x^12+x^11+2\*x+2)/(x^11-78\*x+2) ogf]  
 A167094 8.00106 [ (41\*x^12+x^11+2\*x+2)/(x^11-80\*x+2) ogf]  
 A167095 8.00106 [ (42\*x^12+x^11+2\*x+2)/(x^11-82\*x+2) ogf]  
 A167096 8.04209 [ (43\*x^12+x^11+2\*x+2)/(x^11-84\*x+2) ogf]  
 A167097 8.08312 [ (44\*x^12+x^11+2\*x+2)/(x^11-86\*x+2) ogf]  
 A167098 8.16518 [ (45\*x^12+x^11+2\*x+2)/(x^11-88\*x+2) ogf]  
 A167099 8.16518 [ (46\*x^12+x^11+2\*x+2)/(x^11-90\*x+2) ogf]  
 A167100 8.16518 [ (47\*x^12+x^11+2\*x+2)/(x^11-92\*x+2) ogf]  
 A167101 8.32930 [ (48\*x^12+x^11+2\*x+2)/(x^11-94\*x+2) ogf]  
 A167102 8.32930 [ (49\*x^12+x^11+2\*x+2)/(x^11-96\*x+2) ogf]  
 A167103 8.32930 [ (50\*x^12+x^11+2\*x+2)/(x^11-98\*x+2) ogf]  
 A167106 3.42633 [ (5\*x^13+x^12+2\*x^9+2\*x^8+2\*x^7+2\*x^6+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/(x^12-8\*x^9+2\*x^8-8\*x^7+2\*x^6-8\*x^5+2\*x^4-8\*x^3+2\*x^2-8\*x+2) ogf]  
 A167107 3.75071 [ (6\*x^13+x^12+2\*x^7+2\*x^6+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/(x^12-10\*x^7+2\*x^6-10\*x^5+2\*x^4-10\*x^3+2\*x^2-10\*x+2) ogf]  
 A167108 3.69426 [ (7\*x^13+x^12+2\*x^7+2\*x^6+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/(x^12-12\*x^7+2\*x^6-12\*x^5+2\*x^4-12\*x^3+2\*x^2-12\*x+2) ogf]  
 A167109 4.45929 [ (8\*x^13+x^12+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/(x^12-14\*x^5+2\*x^4-14\*x^3+2\*x^2-14\*x+2) ogf]  
 A167110 4.68798 [ (9\*x^13+x^12+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/(x^12-16\*x^5+2\*x^4-16\*x^3+2\*x^2-16\*x+2) ogf]  
 A167111 4.34974 [ (10\*x^13+x^12+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/(x^12-18\*x^5+2\*x^4-18\*x^3+2\*x^2-18\*x+2) ogf]  
 A167112 5.60557 [ (11\*x^13+x^12+2\*x^3+2\*x^2+2\*x+2)/(x^12-20\*x^3+2\*x^2-20\*x+2) ogf]  
 A167113 5.60557 [ (12\*x^13+x^12+2\*x^3+2\*x^2+2\*x+2)/(x^12-22\*x^3+2\*x^2-22\*x+2) ogf]  
 A167114 5.06543 [ (13\*x^13+x^12+2\*x^3+2\*x^2+2\*x+2)/(x^12-24\*x^3+2\*x^2-24\*x+2) ogf]  
 A167115 5.17991 [ (14\*x^13+x^12+2\*x^3+2\*x^2+2\*x+2)/(x^12-26\*x^3+2\*x^2-26\*x+2) ogf]  
 A167116 5.32300 [ (15\*x^13+x^12+2\*x^3+2\*x^2+2\*x+2)/(x^12-28\*x^3+2\*x^2-28\*x+2) ogf]  
 A167117 5.40886 [ (16\*x^13+x^12+2\*x^3+2\*x^2+2\*x+2)/(x^12-30\*x^3+2\*x^2-30\*x+2) ogf]  
 A167120 3.93836 [ {a(n+4)-21\*a(n+3)+84\*a(n+2)-64\*a(n+1), a(0) = 1, a(1) = 22, a(2) = 376, a(3) = 6113}, ogf]  
 A167120 7.55523 (-22+172\*x+44\*x^4-86\*x^3-153\*x^2)/(x-1)/(4\*x-1)/(16\*x-1)/(x^3-2\*x^2+x+1) lgdogf  
 A167120 7.71262 [ -(x^3-2\*x^2+x+1)/(x-1)/(4\*x-1)/(16\*x-1) ogf]  
 A167121 3.93836 [ {a(n+4)-21\*a(n+3)+84\*a(n+2)-64\*a(n+1), a(0) = 1, a(1) = 22, a(2) = 377, a(3) = 6134}, ogf]  
 A167121 7.71262 [ -(x^3-x^2+x+1)/(x-1)/(4\*x-1)/(16\*x-1) ogf]  
 A167121 7.77109 -2\*(11-85\*x+10\*x^4+43\*x^3+66\*x^2)/(x-1)/(4\*x-1)/(16\*x-1)/(x^3-x^2+x+1) lgdogf  
 A167122 3.93836 [ {a(n+4)-21\*a(n+3)+84\*a(n+2)-64\*a(n+1), a(0) = 1, a(1) = 22, a(2) = 378, a(3) = 6155}, ogf]  
 A167122 8.24207 -(22-168\*x+84\*x^4+86\*x^3+111\*x^2)/(x-1)/(4\*x-1)/(16\*x-1)/(x^3+x+1) lgdogf  
 A167122 8.67670 [ -(x^3+x+1)/(x-1)/(4\*x-1)/(16\*x-1) ogf]  
 A167124 5.55195 [ (17\*x^13+x^12+2\*x^3+2\*x^2+2\*x+2)/(x^12-32\*x^3+2\*x^2-32\*x+2) ogf]  
 ogf]

A167125 5.63780 [  $(18x^{13}+x^{12}+2x^3+2x^2+2x+2)/(x^{12}-34x^3+2x^2-34x+2)$  ogf ]  
A167126 7.51961 [  $(19x^{13}+x^{12}+2x+2)/(x^{12}-36x+2)$  ogf ]  
A167127 8.35524 [  $-(884736x^3+68921x^2+216x+1)/(1000x^2-1)/(1000x^2+1)$  ogf ]  
A167148 7.60362 [  $(20x^{13}+x^{12}+2x+2)/(x^{12}-38x+2)$  ogf ]  
A167149 13.2276 [  $-x(9997x+1)/(x-1)^3$  ogf ]  
A167149 20.1952  $-2(5000+9997x)/(9997x+1)/(x-1)$  lgdogf  
A167149 6.90134 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 10000\}$ , ogf ]  
A167150 7.72965 [  $(21x^{13}+x^{12}+2x+2)/(x^{12}-40x+2)$  ogf ]  
A167155 10.4589  $(6-10x+35x^6+18x^{10}-62x^7+37x^8-28x^9+5x^2)/(x-1)/(2x^{10}-x^9+4x^8-5x^7+5x^2-5x-1)$  lgdogf  
A167155 12.7089 [  $(2x^{10}-x^9+4x^8-5x^7+5x^2-5x-1)/(x-1)$  ogf ]  
A167166 7.20683 [  $-x(15x^{14}+5x^{12}+3x^{10}+9x^8+7x^6+13x^4+11x^2+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf ]  
A167167 13.9058 [  $-(2x^2+2x-1)/(2x-1)/(x+1)$  ogf ]  
A167167 18.6264  $-(1+2x^2)/(-1+2x)/(x+1)/(2x^2+2x-1)$  lgdogf  
A167167 7.22558 [  $\{a(n+3)-a(n+2)-2a(n+1), a(0) = -1, a(1) = 1, a(2) = 1\}$ , ogf ]  
A167173 7.77165 [  $(22x^{13}+x^{12}+2x+2)/(x^{12}-42x+2)$  ogf ]  
A167174 7.98170 [  $(23x^{13}+x^{12}+2x+2)/(x^{12}-44x+2)$  ogf ]  
A167176 11.0454 [  $\{-a(n+3)+a(n), a(0) = 0, a(1) = 1, a(2) = 8\}$ , ogf ]  
A167176 18.4090 [  $-x(8x+1)/(x-1)/(x^2+x+1)$  ogf ]  
A167176 23.7238  $-(8+16x^3+3x^2)/(x-1)/(8x+1)/(x^2+x+1)$  lgdogf  
A167177 17.3257  $-(2+10x+13x^4+21x^3+17x^2)/(x^2+x+1)/(x^3+x^2+1)$  lgdogf  
A167177 6.33794 [  $1/(x^2+x+1)^2/(x^3+x^2+1)^3$  ogf ]  
A167179 10.5938 [  $-(5x^{13}-5x^{12}-2x^6-x^5+2x-4)/(x-1)^2$  ogf ]  
A167179 9.32658  $(6-2x+5x^4-8x^6+9x^5+60x^{11}-115x^{12}+55x^{13})/(x-1)/(5x^{13}-5x^{12}-2x^6-x^5+2x-4)$  lgdogf  
A167183 8.02371 [  $(24x^{13}+x^{12}+2x+2)/(x^{12}-46x+2)$  ogf ]  
A167190 7.15173 [  $-(x^3-13132x^2-60931x-17594)/(x-1)^4$  ogf ]  
A167190 9.04293  $-(-131307-209057x+x^3-26261x^2)/(x-1)/(x^3-13132x^2-60931x-17594)$  lgdogf  
A167191 13.8552  $-(857+1431x+192x^2)/(x-1)/(96x^2+413x+111)$  lgdogf  
A167191 8.33608 [  $24(96x^2+413x+111)/(x-1)^4$  ogf ]  
A167193 15.1467 [  $(x^2-2x-1)/(x-1)/(2x+1)/(x+1)$  ogf ]  
A167193 19.1865  $-2x^2(x^2-4x-3)/(-1+x)/(2x+1)/(x+1)/(x^2-2x-1)$  lgdogf  
A167193 8.39953 [  $\{a(n+3)+2a(n+2)-a(n+1)-2a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , ogf ]  
A167199 4.43248 [  $2/(x^2+4x+2)$  egf ]  
A167199 7.43349  $-2(2+x)/(x^2+4x+2)$  lgdegf  
A167205 10.0373 [  $-(3x^3+5x^2-x-1)/(x-1)/(3x-1)/(3x+1)/(x+1)$  ogf ]  
A167205 7.46299  $-(1+10x+3x^4-36x^3+27x^6+90x^5+x^2)/(x-1)/(-1+3x)/(1+3x)/(x+1)/(3x^3+5x^2-x-1)$  lgdogf  
A167208 5.13612 [  $(99x^{10}+11x^9+101x^8+111x^7+111x^6+111x^5+111x^4+111x^3+111x^2+111x+12)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf ]  
A167212 8.10773 [  $(25x^{13}+x^{12}+2x+2)/(x^{12}-48x+2)$  ogf ]  
A167225 8.19174 [  $(26x^{13}+x^{12}+2x+2)/(x^{12}-50x+2)$  ogf ]  
A167226 8.27576 [  $(27x^{13}+x^{12}+2x+2)/(x^{12}-52x+2)$  ogf ]  
A167235 8.40179 [  $(28x^{13}+x^{12}+2x+2)/(x^{12}-54x+2)$  ogf ]  
A167238 6.39639 [  $-(x^4-4x^3+2x^2-2x-1)/(x+1)/(x-1)^4$  ogf ]  
A167238 8.41348  $-(-5-7x+x^5-5x^4-2x^3-14x^2)/(-1+x)/(x+1)/(x^4-4x^3+2x^2-2x-1)$  lgdogf  
A167280 7.82347 [  $-x^2(5x^9+8x^8+4x^7+7x^6+8x^5+4x^4+7x^3+4x^2+2x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf ]  
A167285 8.44380 [  $(29x^{13}+x^{12}+2x+2)/(x^{12}-56x+2)$  ogf ]  
A167291 12.8063 [  $-2(3x^2+1)/(x-1)/(4x^2+1)$  ogf ]  
A167291 16.4313  $-(1-2x+12x^4+9x^2)/(x-1)/(1+4x^2)/(3x^2+1)$  lgdogf  
A167291 6.57619 [  $\{a(n+3)-a(n+2)+4a(n+1)-4a(n), a(0) = 2, a(1) = 2, a(2) = 0\}$ , ogf ]  
A167370 6.52497 [  $(30x^{13}+x^{12}+2x^3+2x^2+2x+2)/(x^{12}-58x^3+2x^2-58x+2)$

ogf]  
 A167373 18.7036 [ (x+1)\*(3\*x+1)/(x^2+x+1) ogf]  
 A167373 34.9676 -(-3-4\*x+x^2)/(3\*x+1)/(x+1)/(x^2+x+1) lgdogf  
 A167373 9.71856 [{a(n+3)+a(n+2)+a(n+1), a(0) = 1, a(1) = 3, a(2) = -1}, ogf]  
 A167375 15.3247 [ (3\*x^2+1)/(x^2-3\*x+1) ogf]  
 A167375 19.9308 -(-3-4\*x+9\*x^2)/(x^2-3\*x+1)/(3\*x^2+1) lgdogf  
 A167375 7.29037 [{-a(n+3)+3\*a(n+2)-a(n+1), a(0) = 1, a(1) = 3, a(2) = 11}, ogf]  
 A167378 8.56982 [ (31\*x^13+x^12+2\*x+2)/(x^12-60\*x+2) ogf]  
 A167380 12.5996 [ (x+1)\*(3\*x^2+1)/(x^2-x+1) ogf]  
 A167380 18.2933 (2+4\*x+3\*x^4+5\*x^2-6\*x^3)/(x+1)/(x^2-x+1)/(3\*x^2+1) lgdogf  
 A167380 6.74191 [{-a(n+4)+a(n+3)-a(n+2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 5}, ogf]  
 A167381 15.6513 [-(x^3-3\*x^2-3)/(x^2+1) ogf\_with\_Euler\_transform]  
 A167382 8.56982 [ (32\*x^13+x^12+2\*x+2)/(x^12-62\*x+2) ogf]  
 A167385 13.8538 [ (x+1)^2/(x-1)/(x^3+x^2-1) ogf]  
 A167385 19.2989 -(-3-x+2\*x^4+4\*x^3)/(x-1)/(x+1)/(x^3+x^2-1) lgdogf  
 A167386 12.2547 [ (3\*x+1)/(x+1)^4 ogf]  
 A167386 36.8670 -(1+9\*x)/(x+1)/(3\*x+1) lgdogf  
 A167386 4.95056 [{(n+3)\*a(n+3)+(9+4\*n)\*a(n+2)+(12+3\*n)\*a(n+1), a(0) = 1, a(1) = -1, a(2) = -2}, ogf]  
 A167387 10.1443 [ (3\*x+1)/(x+1)^5 ogf]  
 A167387 11.7395 -372-2232\*x  
 +(-404-2052\*x-558\*x^2)\*f(x)+(-327\*x^2-109-436\*x)\*f(x)^2 lgdogf  
 A167387 4.76982 [{(n+3)\*a(n+3)+(10+4\*n)\*a(n+2)+(15+3\*n)\*a(n+1), a(0) = 1, a(1) = -2, a(2) = 0}, ogf]  
 A167391 8.86388 [ (33\*x^13+x^12+2\*x+2)/(x^12-64\*x+2) ogf]  
 A167396 8.86388 [ (34\*x^13+x^12+2\*x+2)/(x^12-66\*x+2) ogf]  
 A167398 10.4366 [ -89\*x/(x^2+199\*x-1) ogf]  
 A167398 17.0838 -(199+2\*x)/(x^2-1+199\*x) lgdogf  
 A167398 4.96982 [{-a(n+2)+199\*a(n+1)+a(n), a(0) = 0, a(1) = 89}, ogf]  
 A167398 8.03941 1/2\*(-89-199\*x+(89+398\*x+445\*x^2)^(1/2)\*89^(1/2))/x revogf  
 A167405 8.86388 [ (35\*x^13+x^12+2\*x+2)/(x^12-68\*x+2) ogf]  
 A167406 3.61073 [ {(-8\*n^3-64\*n^2-168\*n-144)\*a(n+1)+(-4\*n^2-24\*n-36)\*a(n+2)+a(n+3), a(0) = 0, a(1) = 4, a(2) = 64}, ogf]  
 A167418 14.0345 -2\*(2-5\*x+150\*x^2)/(-5\*x^2-1+4\*x+100\*x^3) lgdogf  
 A167418 15.0665 [ -1/(100\*x^3-5\*x^2+4\*x-1) ogf]  
 A167418 5.10950 [{a(n+3)-4\*a(n+2)+5\*a(n+1)-100\*a(n), a(0) = 1, a(1) = 4, a(2) = 11}, ogf]  
 A167420 14.0989 -2\*(1+4\*x+2\*x^4+12\*x^2+2\*x^3)/(x-1)/(x^2+x+1)/(7\*x^3+4\*x^2+2\*x+1) lgdogf  
 A167420 16.4009 [ -(7\*x^3+4\*x^2+2\*x+1)/(x-1)/(x^2+x+1) ogf]  
 A167420 9.73802 [{-a(n+4)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8}, ogf]  
 A167421 6.94383 -2\*(1+2\*x+8\*x^9+2\*x^8-28\*x^6+44\*x^5-27\*x^4+12\*x^3+3\*x^10+5\*x^2)/(x-1)/(x+1)/(x^4-x^3+x^2-x+1)/(11\*x^6-5\*x^5+8\*x^4+4\*x^3+2\*x^2+x+1) lgdogf  
 A167421 9.78964 [ -(11\*x^6-5\*x^5+8\*x^4+4\*x^3+2\*x^2+x+1)/(x-1)/(x+1)/(x^4-x^3+x^2-x+1) ogf]  
 A167423 11.0395 -(-1-13\*x+x^4+18\*x^2-9\*x^3)/(x^2-3\*x+1)/(x^3-6\*x^2+7\*x-1) lgdogf  
 A167423 8.56295 [ -(x^3-6\*x^2+7\*x-1)/(x^2-3\*x+1)^2 ogf]  
 A167425 9.10441 [ -(13\*x^7+7\*x^6-10\*x^5+8\*x^4+4\*x^3+2\*x^2+x+1)/(x-1)/(x^2+1)/(x^4-x^2+1) ogf]  
 A167426 10.8807 2\*(-1-4\*x-12\*x^2-30\*x^3-2\*x^4+7\*x^6)/(x-1)/(x^2+x+1)/(14\*x^4+7\*x^3+4\*x^2+2\*x+1) lgdogf  
 A167426 13.2925 [ -(14\*x^4+7\*x^3+4\*x^2+2\*x+1)/(x-1)/(x^2+x+1) ogf]  
 A167426 8.04864 [{-a(n+5)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8, a(4) = 16}, ogf]  
 A167429 8.94791 [ (36\*x^13+x^12+2\*x+2)/(x^12-70\*x+2) ogf]  
 A167433 13.0325 [ (2\*x-1)^2/(2\*x^2-x+1) ogf]  
 A167433 27.9205 (3+2\*x)/(2\*x-1)/(2\*x^2-x+1) lgdogf  
 A167433 6.77180 [{-a(n+3)+a(n+2)-2\*a(n+1), a(0) = 1, a(1) = -3, a(2) = -1}, ogf]  
 A167434 12.0998 [ (2\*x-1)^2/(2\*x^3-x^2+1) ogf]  
 A167434 17.2149 -2\*(-2+x+2\*x^3-3\*x^2)/(2\*x-1)/(2\*x^3-x^2+1) lgdogf



A167434 7.33709 [  $\{-a(n+3)+a(n+1)-2*a(n), a(0) = 1, a(1) = -4, a(2) = 5\}$ , ogf]  
A167440 4.55745 [  $\{a(n+3)-42*a(n+2)+336*a(n+1)-512*a(n), a(0) = 2, a(1) = 724, a(2) = 30248\}$ , ogf]  
A167440 6.31878  $-2*(181-80*x+65536*x^4+163840*x^3-58368*x^2)/(32*x-1)/(2*x-1)/(8*x-1)/(256*x^2+320*x+1)$  lgdogf  
A167440 8.00809 [  $-2*(256*x^2+320*x+1)/(2*x-1)/(8*x-1)/(32*x-1)$  ogf]  
A167449 4.49300 [  $\{(n^3+6*n^2+12*n+8)*a(n+1)-a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A167465 6.77785 [  $-x*(15*x^14+13*x^12+11*x^10+9*x^8+7*x^6+5*x^4+3*x^2+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A167467 15.2671  $-(-190-354*x+x^3-57*x^2)/(x-1)/(x^3-30*x^2-98*x-23)$  lgdogf  
A167467 9.91054 [  $-(x^3-30*x^2-98*x-23)/(x-1)^4$  ogf]  
A167468 7.79591 [  $(37*x^13+x^12+2*x+2)/(x^12-72*x+2)$  ogf]  
A167469 15.4224 [  $-3*(3*x+2)/(x-1)^3$  ogf]  
A167469 33.4270  $-3*(3+2*x)/(3*x+2)/(x-1)$  lgdogf  
A167469 7.17004 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 6, a(1) = 27, a(2) = 63\}$ , ogf]  
A167471 10.0039 [  $16*(x+1)*(3*x+1)/(x-1)^4$  ogf]  
A167471 3.51357 [  $\{(n+4)*a(n+4)+(1+3*n)*a(n+3)+(-20-n)*a(n+2)+(-9-3*n)*a(n+1), a(0) = 16, a(1) = 128, a(2) = 464, a(3) = 1152\}$ , ogf]  
A167477 12.8369  $-(x-1)*(x^3-6*x^2-3)/(x^2-3*x+1)/(x^3-5*x^2+3*x-1)$  lgdogf  
A167477 8.39587 [  $-(x^3-5*x^2+3*x-1)/(x^2-3*x+1)^2$  ogf]  
A167478 12.2480  $-(4+2*x+x^4-9*x^3+3*x^2)/(x^2-3*x+1)/(x^3-6*x^2+2*x-1)$  lgdogf  
A167478 8.64650 [  $-(x^3-6*x^2+2*x-1)/(x^2-3*x+1)^2$  ogf]  
A167479 15.5594  $1/8/x^2*(-1+2*x-4*x^2+(1-4*x+12*x^2)^(1/2))$  revogf  
A167479 4.47448 [  $\{(8*n+20)*a(n+1)+(2*n+2)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1) = -1, a(2) = 4\}$ , ogf]  
A167481 29.8896  $-12*x/(2*x+1)/(4*x-1)$  lgdogf  
A167481 4.24892 [  $\{(-n-3)*a(n+3)+(2*n+4)*a(n+2)+(20+8*n)*a(n+1), a(0) = 1, a(1) = 0, a(2) = 6\}$ , ogf]  
A167484 7.29685 [  $\{(-n^3-7*n^2-16*n-12)*a(n+1)+2*a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A167487 13.4478 [  $-(7*x^2-14*x+8)/(x-1)^3$  ogf]  
A167487 21.5232  $-(13-18*x+8*x^2)/(x-1)/(8*x^2-17*x+10)$  lgdogf  
A167487 7.31369 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 8, a(1) = 10, a(2) = 13\}$ , ogf]  
A167492 7.79591 [  $(38*x^13+x^12+2*x+2)/(x^12-74*x+2)$  ogf]  
A167498 11.0049 [  $2*(x^3+33*x^2+27*x+3)/(x-1)^4$  ogf]  
A167498 4.85689 [  $\{(-7*n^2-34*n-40)*a(n+1)+(6*n^2+6*n+1)*a(n+2)+(n^2+4*n+3)*a(n+3), a(0) = 6, a(1) = 78, a(2) = 342\}$ , ogf]  
A167499 13.7684 [  $-(5*x^2-10*x+6)/(x-1)^3$  ogf]  
A167499 22.6402  $-(11-14*x+6*x^2)/(x-1)/(6*x^2-13*x+8)$  lgdogf  
A167499 7.55435 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 6, a(1) = 8, a(2) = 11\}$ , ogf]  
A167519 4.70194 [  $-(109*x^14+10987*x^13+6*x^10+2*x^9-x^8-x^7-x^6-111*x^5-10988*x^4-x^3-x^2-7*x-3)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A167528 8.19382 [  $-x*(49*x^8+18*x^7+7*x^6+26*x^5+25*x^4+24*x^3+43*x^2+32*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A167533 12.4528 [  $(12*x^2+47*x+12)/(x+1)/(x-1)^2$  ogf]  
A167533 14.2106  $-(59+107*x+12*x^3+106*x^2)/(x-1)/(x+1)/(12*x^2+47*x+12)$  lgdogf  
A167533 6.93027 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 12, a(1) = 59, a(2) = 83\}$ , ogf]  
A167534 12.9787 [  $(9*x^2+61*x+9)/(x+1)/(x-1)^2$  ogf]  
A167534 15.1785  $-(70+106*x+9*x^3+131*x^2)/(x-1)/(x+1)/(9*x^2+61*x+9)$  lgdogf  
A167534 7.05861 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 9, a(1) = 70, a(2) = 88\}$ , ogf]  
A167537 7.87797 [  $(39*x^13+x^12+2*x+2)/(x^12-76*x+2)$  ogf]  
A167538 7.91900 [  $(40*x^13+x^12+2*x+2)/(x^12-78*x+2)$  ogf]  
A167541 11.2836 [  $-(3*x-2)/(x-1)^4$  ogf]  
A167541 36.9281  $-(9*x-5)/(3*x-2)/(x-1)$  lgdogf  
A167541 4.52829 [  $\{(-2*n-6)*a(n+3)+(15+5*n)*a(n+2)+(-12-3*n)*a(n+1), a(0) = 2,$

$a(1) = 5, a(2) = 8$ }, ogf]  
A167543 11.1776 [  $-(3*x-2)/(x-1)^5$  ogf]  
A167543 33.8508 [  $(-7+12*x)/(3*x-2)/(x-1)$  lgdogf]  
A167543 5.18701 [  $\{(-2*n-6)*a(n+3)+(17+5*n)*a(n+2)+(-15-3*n)*a(n+1), a(0) = -2, a(1) = -7, a(2) = -15\}$ , ogf]  
A167544 13.8727 [  $-(3*x-2)/(x-1)^3$  ogf]  
A167544 29.5674 [  $-3*(2*x-1)/(3*x-2)/(-1+x)$  lgdogf]  
A167544 6.56475 [  $\{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = -2, a(1) = -3, a(2) = -3\}$ , ogf]  
A167545 10.7918 [  $-x*(x^4+8*x^2+1)/(x-1)/(x+1)/(x^4+1)$  ogf]  
A167545 16.4861 [  $-2*x*(9-6*x^4+16*x^6+x^8)/(x-1)/(x+1)/(x^4+8*x^2+1)/(1+x^4)$  lgdogf]  
A167547 15.5286 [  $-4*(6+10*x+x^3+4*x^2)/(x-1)/(4*x^3+2*x^2+12*x+3)$  lgdogf]  
A167547 4.90133 [  $\{(2*n^2+2*n)*a(n)+(3*n^2+35*n+40)*a(n+1)+(-5*n^2-16*n-12)*a(n+2), a(0) = 6, a(1) = 48\}$ , ogf]  
A167547 9.73982 [  $2*(4*x^3+2*x^2+12*x+3)/(x-1)^4$  ogf]  
A167548 13.0651 [  $-(10+20*x+6*x^2+8*x^3+x^4)/(x-1)/(x^4+2*x^3+5*x+1)$  lgdogf]  
A167548 7.24701 [  $-24*(x^4+2*x^3+5*x+1)/(x-1)^5$  ogf]  
A167549 5.12927 [  $24*(6*x^5+3*x^4+16*x^3-5*x^2+30*x+5)/(x-1)^6$  ogf]  
A167549 7.82310 [  $-2*(30+70*x+14*x^2+30*x^3+18*x^4+3*x^5)/(x-1)/(6*x^5+3*x^4+16*x^3-5*x^2+30*x+5)$  lgdogf]  
A167550 12.9068 [  $(2*x+1)/(4*x-1)/(x-1)$  egf]  
A167550 15.3912 [  $(-7+8*x+8*x^2)/(x-1)/(2*x+1)/(4*x-1)$  lgdegf]  
A167554 10.0643 [  $(x^2+3*x-2)/(x-1)^4$  ogf]  
A167554 19.9472 [  $(-5+11*x+2*x^2)/(x-1)/(x^2+3*x-2)$  lgdogf]  
A167555 14.0282 [  $(-14+28*x+39*x^2+3*x^3)/(x-1)/(x^3+9*x^2+2*x+2)$  lgdogf]  
A167555 3.46939 [  $\{(-167*n^2-1430*n-3048)*a(n+1)+(166*n^2+426*n-925)*a(n+2)+(n^2+164*n+483)*a(n+3), a(0) = 2, a(1) = 14, a(2) = 63\}$ , ogf]  
A167555 7.01106 [  $(x^3+9*x^2+2*x+2)/(x-1)^6$  ogf]  
A167558 11.7534 [  $(4*x+1)/(4*x-1)^2$  egf]  
A167558 19.6135 [  $-4*(4*x+3)/(-1+4*x)/(4*x+1)$  lgdegf]  
A167558 3.12517 [  $\{(-8*n^2-32*n-32)*a(n+1)+(-4*n^2-26*n-48)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 12, a(2) = 160\}$ , ogf]  
A167561 20.4955 [  $-2*(5-x+2*x^2)/(x-1)/(2*x^2-2*x+3)$  lgdogf]  
A167561 9.87597 [  $8*(2*x^2-2*x+3)/(x-1)^4$  ogf]  
A167562 12.9978 [  $(-20-8*x+12*x^2+x^4)/(x-1)/(x^4-2*x^3+6*x^2-5*x+5)$  lgdogf]  
A167562 6.44037 [  $-24*(x^4-2*x^3+6*x^2-5*x+5)/(x-1)^5$  ogf]  
A167563 5.45810 [  $48*(3*x^2-x+3)*(3*x^2-5*x+5)/(x-1)^6$  ogf]  
A167563 9.75883 [  $-2*(35-21*x+31*x^2-9*x^3+9*x^4)/(x-1)/(3*x^2-x+3)/(3*x^2-5*x+5)$  lgdogf]  
A167566 20.1799 [  $-2*(8+11*x+2*x^2)/(x-1)/(x^2+4*x+2)$  lgdogf]  
A167566 3.56575 [  $\{(2*n+8)*a(n+4)+(-10+2*n)*a(n+3)+(-28-3*n)*a(n+2)+(-5-n)*a(n+1), a(0) = 2, a(1) = 16, a(2) = 67, a(3) = 202\}$ , ogf]  
A167566 8.18501 [  $(x^2+4*x+2)/(x-1)^6$  ogf]  
A167567 15.8876 [  $-2*(62+43*x+3*x^2)/(-1+x)/(x^2+12*x+14)$  lgdogf]  
A167567 5.62058 [  $x*(x^2+12*x+14)/(x-1)^8$  ogf]  
A167570 13.7659 [  $-1/8*(-3-4*x+(9+16*x)^(1/2))/(1+2*x)$  revevfg]  
A167570 18.3546 [  $-8*(5+4*x)/(4*x+3)/(-1+4*x)$  lgdegf]  
A167570 2.87730 [  $\{(-8*n^2-40*n-48)*a(n+1)+(12*n^2+98*n+188)*a(n+2)+(-3*n-9)*a(n+3), a(0) = 6, a(1) = 80, a(2) = 1344\}$ , ogf]  
A167570 9.04295 [  $-2*(4*x+3)/(4*x-1)^3$  egf]  
A167571 3.15657 [  $\{(-8*n^3-76*n^2-236*n-240)*a(n+1)+(10*n^2+75*n+140)*a(n+2)+(-2*n-9)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 54\}$ , ogf]  
A167573 11.9793 [  $-(3*x^2+14*x+23)/(x-1)^3$  ogf]  
A167573 19.4747 [  $(83+34*x+3*x^2)/(x-1)/(3*x^2+14*x+23)$  lgdogf]  
A167573 6.50597 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 23, a(1) = 83, a(2) = 183\}$ , ogf]  
A167574 11.4937 [  $-3*(247+127*x+5*x^3+69*x^2)/(x-1)/(15*x^3+81*x^2+73*x+167)$  lgdogf]  
A167574 8.29561 [  $(15*x^3+81*x^2+73*x+167)/(x-1)^4$  ogf]  
A167575 6.04299 [  $-3*(35*x^4+220*x^3+138*x^2+268*x+491)/(x-1)^5$  ogf]

A167575 7.94534  $-(2723+1348*x+35*x^4+580*x^3+1074*x^2)/(x-1)/$   
 $(35*x^4+220*x^3+138*x^2+268*x+491)$  lgdogf  
A167581 18.7452  $-8*x*(2*x+7)/(2*x-1)/(4*x^2+8*x-1)$  lgdogf  
A167581 8.94133  $[ (4*x^2+8*x-1)/(2*x-1)^4$  ogf]  
A167582 5.62065  $[ (8*x^3+84*x^2+62*x+3)/(2*x-1)^6$  ogf]  
A167582 9.86844  $-2*(49+394*x+348*x^2+24*x^3)/(2*x-1)/(8*x^3+84*x^2+62*x+3)$   
lgdogf  
A167585 12.0186  $[ -(9*x^2+2*x+13)/(x-1)^3$  ogf]  
A167585 19.7405  $-(41+22*x+9*x^2)/(x-1)/(9*x^2+2*x+13)$  lgdogf  
A167585 6.47960  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 13, a(1) = 41, a(2) =$   
 $93\},$  ogf]  
A167586 12.2733  $-3*(31+15*x+13*x^2+5*x^3)/(x-1)/(15*x^3-3*x^2+17*x+19)$  lgdogf  
A167586 8.35180  $[ 4*(15*x^3-3*x^2+17*x+19)/(x-1)^4$  ogf]  
A167587 5.88595  $[ -3*(175*x^4-100*x^3+258*x^2+44*x+263)/(x-1)^5$  ogf]  
A167587 7.66012  $-(1359+692*x+474*x^2+500*x^3+175*x^4)/(-1+x)/$   
 $(175*x^4-100*x^3+258*x^2+44*x+263)$  lgdogf  
A167588 5.20412  $[ \{(4*n^2+20*n+21)*a(n+1)-a(n+3)+6*a(n+2), a(0) = 1, a(1) = 6,$   
 $a(2) = 41\},$  ogf]  
A167589 4.20623  $[ \{(4*n^2+20*n+9)*a(n+1)-a(n+3)+10*a(n+2), a(0) = 1, a(1) = 10,$   
 $a(2) = 93\},$  ogf]  
A167592 10.2834  $[ 2*(4*x-1)/(2*x-1)^4$  ogf]  
A167592 24.3754  $-4*(6*x-1)/(-1+4*x)/(2*x-1)$  lgdogf  
A167592 4.30154  $[ \{(-n-3)*a(n+3)+(16+6*n)*a(n+2)+(-32-8*n)*a(n+1), a(0) = -2,$   
 $a(1) = -8, a(2) = -16\},$  ogf]  
A167593 12.8700  $-8*(15+28*x+52*x^2)/(-1+2*x)/(52*x^2+12*x+9)$  lgdogf  
A167593 6.02561  $[ (52*x^2+12*x+9)/(2*x-1)^6$  ogf]  
A167598 8.00106  $[ (41*x^13+x^12+2*x+2)/(x^12-80*x+2)$  ogf]  
A167599 8.00106  $[ (42*x^13+x^12+2*x+2)/(x^12-82*x+2)$  ogf]  
A167601 13.9861  $-(3+80*x+576*x^2)/(40*x^2-1+3*x+192*x^3)$  lgdogf  
A167601 14.2805  $[ -1/(192*x^3+40*x^2+3*x-1)$  ogf]  
A167601 4.92432  $[ \{a(n+3)-3*a(n+2)-40*a(n+1)-192*a(n), a(0) = 1, a(1) = 3, a(2) =$   
 $49\},$  ogf]  
A167602 8.64618  $-2*(16*x+7)*(64*x^2+8*x+1)/(72*x^2+1+14*x+512*x^4+384*x^3)$   
lgdogf  
A167602 9.61069  $[ 1/(512*x^4+384*x^3+72*x^2+14*x+1)$  ogf]  
A167603 5.72832  $[ 1/(7809531904*x^4+83891456*x^3+277760*x^2+837*x+1)$  ogf]  
A167614 13.7333  $[ -(4*x^2-9*x+6)/(x-1)^3$  ogf]  
A167614 7.41355  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 6, a(1) = 9, a(2) = 13\},$   
ogf]  
A167616 15.4311  $[ x*(2*x+3)/(x-1)/(x^2+x-1)$  ogf]  
A167616 18.1798  $-(8+4*x^3+9*x^2)/(x-1)/(3+2*x)/(x^2+x-1)$  lgdogf  
A167616 8.13035  $[ \{-a(n+3)+2*a(n+2)-a(n), a(0) = 0, a(1) = 3, a(2) = 8\},$  ogf]  
A167617 7.70737  $[ x^2*(x^2+3*x+3)/(2*x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A167617 7.93999  $-(6+16*x+39*x^6+78*x^5+75*x^4+54*x^3+8*x^7+33*x^2)/(2*x+1)/(x$   
 $+1)/(x^2+x+1)/(x^2-x+1)/(x^2+3*x+3)$  lgdogf  
A167621 3.76558  $[ -(711*x^14-711*x^13+68*x^4-66*x^3+4*x^2-6*x-1)/(x-1)^2$  ogf]  
A167624 5.22992  $[ -x*(x^12+24*x^10-15*x^8+32*x^6-15*x^4+24*x^2+1)/(x-1)/(x+1)/$   
 $(x^4+1)/(x^8+1)$  ogf]  
A167628 7.10681  $[ -$   
 $x*(12*x^11+6*x^10+4*x^9+3*x^8+5*x^7+2*x^6+11*x^5+8*x^4+10*x^3+9*x^2+7*x+1)/$   
 $(x-1)/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A167632 14.2253  $[ 4*x*(x^2+7*x+1)/(x-1)^2$  ogf]  
A167632 31.2842  $-9*(1+x)/(x-1)/(x^2+7*x+1)$  lgdogf  
A167632 7.17449  $[ \{-a(n+4)+2*a(n+3)-a(n+2), a(0) = 0, a(1) = 4, a(2) = 36, a(3) =$   
 $72\},$  ogf]  
A167639 11.4034  $-2*x*(x-1)*(2*x^3-3*x^2-3*x-3)/(x^2+x+1)/(x^2-3*x+1)/(x^2-x-1)$   
lgdogf  
A167640 8.04209  $[ (43*x^13+x^12+2*x+2)/(x^12-84*x+2)$  ogf]  
A167641 8.08312  $[ (44*x^13+x^12+2*x+2)/(x^12-86*x+2)$  ogf]  
A167642 8.16518  $[ (45*x^13+x^12+2*x+2)/(x^12-88*x+2)$  ogf]  
A167643 8.16518  $[ (46*x^13+x^12+2*x+2)/(x^12-90*x+2)$  ogf]

A167644 8.16518 [ (47\*x^13+x^12+2\*x+2)/(x^12-92\*x+2) ogf]  
A167645 8.32930 [ (48\*x^13+x^12+2\*x+2)/(x^12-94\*x+2) ogf]  
A167646 8.32930 [ (49\*x^13+x^12+2\*x+2)/(x^12-96\*x+2) ogf]  
A167647 8.32930 [ (50\*x^13+x^12+2\*x+2)/(x^12-98\*x+2) ogf]  
A167650 3.42633 [ (5\*x^14+x^13+2\*x^9+2\*x^8+2\*x^7+2\*x^6+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/(x^13-8\*x^9+2\*x^8-8\*x^7+2\*x^6-8\*x^5+2\*x^4-8\*x^3+2\*x^2-8\*x+2) ogf]  
A167651 3.75071 [ (6\*x^14+x^13+2\*x^7+2\*x^6+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/(x^13-10\*x^7+2\*x^6-10\*x^5+2\*x^4-10\*x^3+2\*x^2-10\*x+2) ogf]  
A167652 4.62488 [ (7\*x^14+x^13+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/(x^13-12\*x^5+2\*x^4-12\*x^3+2\*x^2-12\*x+2) ogf]  
A167653 4.45929 [ (8\*x^14+x^13+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/(x^13-14\*x^5+2\*x^4-14\*x^3+2\*x^2-14\*x+2) ogf]  
A167658 4.68798 [ (9\*x^14+x^13+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/(x^13-16\*x^5+2\*x^4-16\*x^3+2\*x^2-16\*x+2) ogf]  
A167659 5.79966 [ (10\*x^14+x^13+2\*x^3+2\*x^2+2\*x+2)/(x^13-18\*x^3+2\*x^2-18\*x+2) ogf]  
A167664 5.60557 [ (11\*x^14+x^13+2\*x^3+2\*x^2+2\*x+2)/(x^13-20\*x^3+2\*x^2-20\*x+2) ogf]  
A167665 5.60557 [ (12\*x^14+x^13+2\*x^3+2\*x^2+2\*x+2)/(x^13-22\*x^3+2\*x^2-22\*x+2) ogf]  
A167667 14.7726 [ (4\*x^2-x+1)/(2\*x-1)^2 ogf]  
A167667 22.4487 -3\*(1+2\*x)/(2\*x-1)/(4\*x^2-x+1) lgdogf  
A167667 7.60146 [{-a(n+3)+4\*a(n+2)-4\*a(n+1), a(0) = 1, a(1) = 3, a(2) = 12}, ogf]  
A167669 7.59815 [ (13\*x^14+x^13+2\*x+2)/(x^13-24\*x+2) ogf]  
A167670 7.76986 [ (14\*x^14+x^13+2\*x+2)/(x^13-26\*x+2) ogf]  
A167671 7.98450 [ (15\*x^14+x^13+2\*x+2)/(x^13-28\*x+2) ogf]  
A167672 8.11329 [ (16\*x^14+x^13+2\*x+2)/(x^13-30\*x+2) ogf]  
A167673 8.32792 [ (17\*x^14+x^13+2\*x+2)/(x^13-32\*x+2) ogf]  
A167674 8.45670 [ (18\*x^14+x^13+2\*x+2)/(x^13-34\*x+2) ogf]  
A167676 7.51961 [ (19\*x^14+x^13+2\*x+2)/(x^13-36\*x+2) ogf]  
A167679 9.18766 [ -(10\*x^21+10\*x^20+22\*x^11+21\*x^10+2\*x+1)/(x-1)/(x+1)/(x^2+1)/(x^8-x^6+x^4-x^2+1) ogf]  
A167680 7.60362 [ (20\*x^14+x^13+2\*x+2)/(x^13-38\*x+2) ogf]  
A167681 7.72965 [ (21\*x^14+x^13+2\*x+2)/(x^13-40\*x+2) ogf]  
A167682 13.6471 [ (5\*x^2-2\*x+1)/(3\*x-1)^2 ogf]  
A167682 7.02231 [{-a(n+3)+6\*a(n+2)-9\*a(n+1), a(0) = 1, a(1) = 4, a(2) = 20}, ogf]  
A167693 7.77165 [ (22\*x^14+x^13+2\*x+2)/(x^13-42\*x+2) ogf]  
A167694 7.98170 [ (23\*x^14+x^13+2\*x+2)/(x^13-44\*x+2) ogf]  
A167695 8.02371 [ (24\*x^14+x^13+2\*x+2)/(x^13-46\*x+2) ogf]  
A167696 8.10773 [ (25\*x^14+x^13+2\*x+2)/(x^13-48\*x+2) ogf]  
A167697 8.19174 [ (26\*x^14+x^13+2\*x+2)/(x^13-50\*x+2) ogf]  
A167698 8.27576 [ (27\*x^14+x^13+2\*x+2)/(x^13-52\*x+2) ogf]  
A167699 8.40179 [ (28\*x^14+x^13+2\*x+2)/(x^13-54\*x+2) ogf]  
A167704 13.3998 [ -(x^2+1)/(x+1)/(x^3+x-1) ogf]  
A167708 4.70643 [ - (10\*x^9+66\*x^8+105\*x^7+959\*x^6+1530\*x^5-959\*x^4-105\*x^3-66\*x^2-10\*x-9)/(x^10-340\*x^5+1) ogf]  
A167709 5.50139 [ x\*(x^8+15\*x^7+24\*x^6+220\*x^5+351\*x^4+220\*x^3+24\*x^2+15\*x+1)/(x^10-340\*x^5+1) ogf]  
A167710 14.9092 [ (3\*x+1)/(2\*x-1)/(3\*x^2-1) ogf]  
A167710 16.1735 [ (-5-6\*x+36\*x^3+9\*x^2)/(2\*x-1)/(3\*x+1)/(3\*x^2-1) lgdogf]  
A167710 6.99282 [ {a(n+3)-2\*a(n+2)-3\*a(n+1)+6\*a(n), a(0) = 1, a(1) = 5, a(2) = 13}, ogf]  
A167713 17.9437 -6\*(-3+16\*x)/(16\*x-1)/(-1+4\*x) lgdogf  
A167713 3.47875 [ {(-n-3)\*a(n+3)+(58+20\*n)\*a(n+2)+(-160-64\*n)\*a(n+1), a(0) = 1, a(1) = 18, a(2) = 294}, ogf]  
A167714 8.44380 [ (29\*x^14+x^13+2\*x+2)/(x^13-56\*x+2) ogf]  
A167715 8.52782 [ (30\*x^14+x^13+2\*x+2)/(x^13-58\*x+2) ogf]

A167744 6.26635 [  $-(x^8+8x^7+40x^6+32x^5+38x^4+32x^3+40x^2+8x+1)/(x+1)^2/(x^2+1)^2/(x-1)^3$  ogf]  
A167747 15.5517 [  $(4x-1)/(6x-1)$  ogf]  
A167747 16.5658  $1/8+3/4x-1/8*(1-4x+36x^2)^{(1/2)}$  revogf  
A167747 31.2909  $2/(6x-1)/(-1+4x)$  lgdogf  
A167747 7.99186 [  $\{a(n+2)-6a(n+1), a(0) = 1, a(1) = 2\}$ , ogf]  
A167756 8.56982 [  $(31x^{14}+x^{13}+2x^2)/(x^{13}-60x+2)$  ogf]  
A167757 8.56982 [  $(32x^{14}+x^{13}+2x^2)/(x^{13}-62x+2)$  ogf]  
A167762 18.7499 [  $x^2/(2x-1)/(3x^2-1)$  ogf]  
A167762 21.7627  $-2*(-1-3x+9x^2)/(2x-1)/(3x^2-1)$  lgdogf  
A167762 6.98860 [  $\{a(n+3)-2a(n+2)-3a(n+1)+6a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A167765 8.86388 [  $(33x^{14}+x^{13}+2x^2)/(x^{13}-64x+2)$  ogf]  
A167774 11.6962 [  $-9*(170x-1)/(x^2-340x+1)$  ogf]  
A167774 11.8654  $-2*(85-x+85x^2)/(170x-1)/(x^2-340x+1)$  lgdogf  
A167774 6.72194 [  $\{a(n+2)-340a(n+1)+a(n), a(0) = 9, a(1) = 1530\}$ , ogf]  
A167775 10.5339  $-(-5-170x+(25+741x+28899x^2)^{(1/2)})/(959+x)$  revogf  
A167775 10.7679  $-(2441-20x+959x^2)/(959x-10)/(x^2-340x+1)$  lgdogf  
A167775 11.9014 [  $-(959x-10)/(x^2-340x+1)$  ogf]  
A167775 6.76214 [  $\{a(n+2)-340a(n+1)+a(n), a(0) = 10, a(1) = 2441\}$ , ogf]  
A167778 12.5170 [  $-3*(35x-22)/(x^2-340x+1)$  ogf]  
A167778 7.03200 [  $\{a(n+2)-340a(n+1)+a(n), a(0) = 66, a(1) = 22335\}$ , ogf]  
A167778 8.39265  $-(-33-170x+3*(121+1235x+3211x^2)^{(1/2)})/(105+x)$  revogf  
A167778 9.75890  $-(7445-44x+35x^2)/(35x-22)/(x^2-340x+1)$  lgdogf  
A167779 12.6709 [  $-3*(22x-35)/(x^2-340x+1)$  ogf]  
A167779 7.03937 [  $\{a(n+2)-340a(n+1)+a(n), a(0) = 105, a(1) = 35634\}$ , ogf]  
A167779 7.62190  $-1/2*(-105-340x+3*(1225+7904x+12844x^2)^{(1/2)})/(66+x)$  revogf  
A167779 9.48503  $-2*(5939-35x+11x^2)/(22x-35)/(x^2-340x+1)$  lgdogf  
A167780 5.05931 [  $\{a(n+2)-340a(n+1)+a(n), a(0) = 959, a(1) = 326050\}$ , ogf]  
A167780 7.64077  $-1/2*(-959-340x+(919681+652080x+115596x^2)^{(1/2)})/(10+x)$  revogf  
A167780 9.20794 [  $-(10x-959)/(x^2-340x+1)$  ogf]  
A167780 9.39177  $-2*(163025-959x+5x^2)/(10x-959)/(x^2-340x+1)$  lgdogf  
A167784 12.8336 [  $(x-1)^2/(2x-1)/(3x^2-1)$  ogf]  
A167784 18.3874  $-2x*(4+3x^2-9x)/(x-1)/(2x-1)/(3x^2-1)$  lgdogf  
A167784 7.05272 [  $\{a(n+3)-2a(n+2)-3a(n+1)+6a(n), a(0) = 1, a(1) = 0, a(2) = 4\}$ , ogf]  
A167785 8.86388 [  $(34x^{14}+x^{13}+2x^2)/(x^{13}-66x+2)$  ogf]  
A167789 8.86388 [  $(35x^{14}+x^{13}+2x^2)/(x^{13}-68x+2)$  ogf]  
A167808 7.34195  $-(1+2x+4x^7-3x^8+2x^9+6x^5+x^6+12x^3+4x^4+9x^2)/(x^2+x-1)/(x^4-x^3+x^2+x+1)/(x^4-x^3+2x^2+x+1)$  lgdogf  
A167808 9.96477 [  $-x*(x^4-x^3+x^2+x+1)/(x^2+x-1)/(x^4-x^3+2x^2+x+1)$  ogf]  
A167815 8.94791 [  $(36x^{14}+x^{13}+2x^2)/(x^{13}-70x+2)$  ogf]  
A167816 8.66500 [  $-x*(x^6-x^5+2x^4-x^3-2x^2-x-1)/(x^2+x-1)/(x^2-x-1)/(x^4+3x^2+1)$  ogf]  
A167817 12.4702  $-(3+6x+3x^6+6x^5+9x^4+9x^2+4x^3)/(x-1)/(x+1)/(x^2+1)/(3x^3+3x^2+3x+1)$  lgdogf  
A167817 17.3911 [  $-(3x^3+3x^2+3x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A167818 13.5403 [  $-(x+1)/(36x-1)$  ogf]  
A167818 6.95311 [  $\{a(n+2)-36a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A167820 13.7631 [  $351x/(x^2-340x+1)$  ogf]  
A167820 18.3883  $-2*(-170+x)/(x^2+1-340x)$  lgdogf  
A167820 6.63869 [  $\{a(n+2)-340a(n+1)+a(n), a(0) = 0, a(1) = 351\}$ , ogf]  
A167820 6.76042  $-1/2*(-351-340x+(38x+39)^{(1/2)}*(26x+27)^{(1/2)}*39^{(1/2)}*3^{(1/2)})/x$  revogf  
A167821 16.8610 [  $2x^2/(2x-1)/(x^2+x-1)$  ogf]  
A167821 19.4929  $-(-3+2x+6x^2)/(-1+2x)/(x^2+x-1)$  lgdogf  
A167821 6.89766 [  $\{-a(n+3)+3a(n+2)-a(n+1)-2a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A167822 10.5044  $-2*(5x+8)*(22x-35)/(220x+1)/(x^2-340x+1)$  lgdogf  
A167822 11.6208 [  $(220x+1)/(x^2-340x+1)$  ogf]

A167822 6.62115 [ $[-a(n+2)+340a(n+1)-a(n), a(0) = 1, a(1) = 560]$ , ogf]  
A167822 8.88833  $-1/2*(-1-340x+(78x+1)*(1482x+1))^{(1/2)}/(-220+x)$  revogf  
A167823 10.0112  $-2*(4x+61)*(x-14)/(8x+5)/(x^2-340x+1)$  lgdogf  
A167823 12.3013 [ $3*(8x+5)/(x^2-340x+1)$  ogf]  
A167823 6.84958 [ $[-a(n+2)+340a(n+1)-a(n), a(0) = 15, a(1) = 5124]$ , ogf]  
A167823 7.41573  $-1/2*(-15-340x+3*((494x+25)*(26x+1))^{(1/2)})/(-24+x)$  revogf  
A167824 10.3961 [ $3*(5x+8)/(x^2-340x+1)$  ogf]  
A167824 10.4524  $-(x+25)*(5x-109)/(5x+8)/(x^2-340x+1)$  lgdogf  
A167824 5.78872 [ $[-a(n+2)+340a(n+1)-a(n), a(0) = 24, a(1) = 8175]$ , ogf]  
A167824 8.15286  $-(-12-170x+3*((13x+1)*(247x+16))^{(1/2)})/(-15+x)$  revogf  
A167825 11.3585  $-(x+571)*(x-131)/(x+220)/(x^2-340x+1)$  lgdogf  
A167825 4.90238 [ $[-a(n+2)+340a(n+1)-a(n), a(0) = 220, a(1) = 74801]$ , ogf]  
A167825 8.63244  $-(-110-170x+(741x+484)*(39x+25))^{(1/2)}/(-1+x)$  revogf  
A167825 9.00437 [ $(x+220)/(x^2-340x+1)$  ogf]  
A167826 9.53451 [ $-2x^5/(2x-1)/(x^2+x-1)/(x^3+x^2+x-1)$  ogf]  
A167826 9.75011  $-(4-6x+12x^5+15x^4-9x^2)/(2x-1)/(x^2+x-1)/(x^3+x^2+x-1)$  lgdogf  
A167827 13.5403 [ $-(x+1)/(37x-1)$  ogf]  
A167827 6.95311 [ $\{a(n+2)-37a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A167828 13.6828 [ $-(x+1)/(38x-1)$  ogf]  
A167828 7.02630 [ $\{a(n+2)-38a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A167829 13.7541 [ $-(x+1)/(39x-1)$  ogf]  
A167829 7.06289 [ $\{a(n+2)-39a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A167830 13.8966 [ $-(x+1)/(40x-1)$  ogf]  
A167830 7.13608 [ $\{a(n+2)-40a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A167848 13.8966 [ $-(x+1)/(41x-1)$  ogf]  
A167848 7.13608 [ $\{a(n+2)-41a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A167849 13.9678 [ $-(x+1)/(42x-1)$  ogf]  
A167849 7.17268 [ $\{a(n+2)-42a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A167854 14.0391 [ $-(x+1)/(43x-1)$  ogf]  
A167854 7.20927 [ $\{a(n+2)-43a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A167855 14.1816 [ $-(x+1)/(44x-1)$  ogf]  
A167855 7.28246 [ $\{a(n+2)-44a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A167858 17.9381  $2*(7+36x+54x^2+24x^3)/(36x^2+3+14x+12x^4+36x^3)$  lgdogf  
A167858 5.67015 [ $[-a(n+5), a(0) = 3, a(1) = 14, a(2) = 36, a(3) = 36, a(4) = 12]$ , ogf]  
A167861 14.1816 [ $-(x+1)/(45x-1)$  ogf]  
A167861 7.28246 [ $\{a(n+2)-45a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A167862 14.1816 [ $-(x+1)/(46x-1)$  ogf]  
A167862 7.28246 [ $\{a(n+2)-46a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A167863 14.4667 [ $-(x+1)/(47x-1)$  ogf]  
A167863 7.42884 [ $\{a(n+2)-47a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A167873 13.2649 [ $-2*(2x^3+5x^2+3x+5)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A167873 9.45091  $-(3+10x+2x^6+10x^5+20x^3+9x^4+6x^2)/(x-1)/(x+1)/(1+x^2)/(2x^3+5x^2+3x+5)$  lgdogf  
A167875 12.0358 [ $(x^2+1)/(x-1)^4$  ogf]  
A167875 26.8081 [ $[-x^3+x+4]$  ogf\_with\_Euler\_transform]  
A167875 29.5110  $-2*(2+x+x^2)/(x-1)/(1+x^2)$  lgdogf  
A167875 4.11753 [ $\{(n+4)a(n+4)+(-7-n)a(n+3)+na(n+2)+(-n-3)a(n+1), a(0) = 1, a(1) = 4, a(2) = 11, a(3) = 24\}$ , ogf]  
A167876 29.4751  $(3+8x+6x^2)/(x+1)/(2x^2+2x+1)$  lgdogf  
A167876 46.3180  $1/2*(8x+1)^{(1/4)}-1/2$  revogf  
A167876 7.04384 [ $\{a(n+4), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 2\}$ , ogf]  
A167879 14.4667 [ $-(x+1)/(48x-1)$  ogf]  
A167879 7.42884 [ $\{a(n+2)-48a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A167880 14.4667 [ $-(x+1)/(49x-1)$  ogf]  
A167880 7.42884 [ $\{a(n+2)-49a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A167882 3.41082 [ $(4x^{15}+x^{14}+2x^9+2x^8+2x^7+2x^6+2x^5+2x^4+2x^3+2x^2+2x+2)/(x^{14}-6x^9+2x^8-6x^7+2x^6-6x^5+2x^4-6x^3+2x^2-6x+2)$  ogf]  
A167889 14.7470  $-2*(-2-9x+54x^2)/(-1+3x)/(3x+1)/(4x-1)$  lgdogf

A167889 15.2514 [  $x^2/(3*x-1)/(3*x+1)/(4*x-1)$  ogf]  
A167889 5.77078 [  $\{a(n+3)-4*a(n+2)-9*a(n+1)+36*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A167891 46.3180  $4*(x+1)/(2*x^2+1+4*x)$  lgdogf  
A167891 7.82712 [  $\{-a(n+3), a(0) = 1, a(1) = 4, a(2) = 2\}$ , ogf]  
A167892 3.52439 [  $\{(-16*n^2-112*n-196)*a(n+1)+(17*n^2+122*n+221)*a(n+2)+(-n^2-10*n-25)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 30\}$ , ogf]  
A167893 3.25492 [  $\{(-64*n^3-672*n^2-2352*n-2744)*a(n+1)+(65*n^3+687*n^2+2427*n+2869)*a(n+2)+(-n^3-15*n^2-75*n-125)*a(n+3), a(0) = 1, a(1) = 9, a(2) = 134\}$ , ogf]  
A167896 4.11160 [  $(5*x^{15}+x^{14}+2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^{14}-8*x^7+2*x^6-8*x^5+2*x^4-8*x^3+2*x^2-8*x+2)$  ogf]  
A167897 4.69555 [  $(6*x^{15}+x^{14}+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^{14}-10*x^5+2*x^4-10*x^3+2*x^2-10*x+2)$  ogf]  
A167898 4.62488 [  $(7*x^{15}+x^{14}+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^{14}-12*x^5+2*x^4-12*x^3+2*x^2-12*x+2)$  ogf]  
A167899 5.96089 [  $(8*x^{15}+x^{14}+2*x^3+2*x^2+2*x+2)/(x^{14}-14*x^3+2*x^2-14*x+2)$  ogf]  
A167900 6.26658 [  $(9*x^{15}+x^{14}+2*x^3+2*x^2+2*x+2)/(x^{14}-16*x^3+2*x^2-16*x+2)$  ogf]  
A167908 5.79966 [  $(10*x^{15}+x^{14}+2*x^3+2*x^2+2*x+2)/(x^{14}-18*x^3+2*x^2-18*x+2)$  ogf]  
A167910 19.0305 [  $x^2/(3*x-1)/(2*x+1)/(2*x-1)$  ogf]  
A167910 7.20074 [  $\{a(n+3)-3*a(n+2)-4*a(n+1)+12*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A167914 8.40835 [  $(11*x^{15}+x^{14}+2*x+2)/(x^{14}-20*x+2)$  ogf]  
A167916 8.40835 [  $(12*x^{15}+x^{14}+2*x+2)/(x^{14}-22*x+2)$  ogf]  
A167919 7.59815 [  $(13*x^{15}+x^{14}+2*x+2)/(x^{14}-24*x+2)$  ogf]  
A167922 7.76986 [  $(14*x^{15}+x^{14}+2*x+2)/(x^{14}-26*x+2)$  ogf]  
A167923 7.98450 [  $(15*x^{15}+x^{14}+2*x+2)/(x^{14}-28*x+2)$  ogf]  
A167924 8.11329 [  $(16*x^{15}+x^{14}+2*x+2)/(x^{14}-30*x+2)$  ogf]  
A167926 8.32792 [  $(17*x^{15}+x^{14}+2*x+2)/(x^{14}-32*x+2)$  ogf]  
A167927 8.45670 [  $(18*x^{15}+x^{14}+2*x+2)/(x^{14}-34*x+2)$  ogf]  
A167929 13.0604 [  $-(x+1)/(18*x-1)$  ogf]  
A167929 6.70668 [  $\{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A167931 13.2063 [  $-(x+1)/(19*x-1)$  ogf]  
A167931 6.78161 [  $\{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A167933 13.4252 [  $-(x+1)/(20*x-1)$  ogf]  
A167933 6.89401 [  $\{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A167935 13.4981 [  $-(x+1)/(21*x-1)$  ogf]  
A167935 6.93147 [  $\{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A167936 13.6105 [  $-x*(x-1)/(2*x-1)/(3*x^2-1)$  ogf]  
A167936 16.6352  $-(1+6*x+12*x^3-21*x^2)/(x-1)/(2*x-1)/(3*x^2-1)$  lgdogf  
A167936 6.98918 [  $\{-a(n+3)+2*a(n+2)+3*a(n+1)-6*a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
A167937 13.8629 [  $-(x+1)/(22*x-1)$  ogf]  
A167937 7.11881 [  $\{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A167938 13.9359 [  $-(x+1)/(23*x-1)$  ogf]  
A167938 7.15628 [  $\{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A167940 14.0818 [  $-(x+1)/(24*x-1)$  ogf]  
A167940 7.23122 [  $\{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A167941 14.2278 [  $-(x+1)/(25*x-1)$  ogf]  
A167941 7.30615 [  $\{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A167942 14.3737 [  $-(x+1)/(26*x-1)$  ogf]  
A167942 7.38108 [  $\{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A167943 14.5926 [  $-(x+1)/(27*x-1)$  ogf]  
A167943 7.49349 [  $\{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A167944 14.6656 [  $-(x+1)/(28*x-1)$  ogf]  
A167944 7.53096 [  $\{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A167945 14.8115 [  $-(x+1)/(29*x-1)$  ogf]  
A167945 7.60589 [  $\{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]

A167946 14.8844 [  $-(x+1)/(30*x-1)$  ogf]  
A167946 7.64335 [  $\{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A167947 14.8844 [  $-(x+1)/(31*x-1)$  ogf]  
A167947 7.64335 [  $\{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A167949 15.3952 [  $-(x+1)/(32*x-1)$  ogf]  
A167949 7.90562 [  $\{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A167950 15.3952 [  $-(x+1)/(33*x-1)$  ogf]  
A167950 7.90562 [  $\{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A167951 15.3952 [  $-(x+1)/(34*x-1)$  ogf]  
A167951 7.90562 [  $\{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A167952 15.5411 [  $-(x+1)/(35*x-1)$  ogf]  
A167952 7.98057 [  $\{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A167953 13.5403 [  $-(x+1)/(36*x-1)$  ogf]  
A167953 6.95311 [  $\{a(n+2)-36*a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A167954 13.5403 [  $-(x+1)/(37*x-1)$  ogf]  
A167954 6.95311 [  $\{a(n+2)-37*a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A167955 13.6828 [  $-(x+1)/(38*x-1)$  ogf]  
A167955 7.02630 [  $\{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A167956 13.7541 [  $-(x+1)/(39*x-1)$  ogf]  
A167956 7.06289 [  $\{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A167957 13.8966 [  $-(x+1)/(40*x-1)$  ogf]  
A167957 7.13608 [  $\{a(n+2)-40*a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A167958 13.8966 [  $-(x+1)/(41*x-1)$  ogf]  
A167958 7.13608 [  $\{a(n+2)-41*a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A167959 13.9678 [  $-(x+1)/(42*x-1)$  ogf]  
A167959 7.17268 [  $\{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A167960 14.0391 [  $-(x+1)/(43*x-1)$  ogf]  
A167960 7.20927 [  $\{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A167961 14.1816 [  $-(x+1)/(44*x-1)$  ogf]  
A167961 7.28246 [  $\{a(n+2)-44*a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A167962 14.1816 [  $-(x+1)/(45*x-1)$  ogf]  
A167962 7.28246 [  $\{a(n+2)-45*a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A167963 6.22171 [  $-x*(31*x^4+146*x^3+156*x^2+26*x+1)/(x-1)^7$  ogf]  
A167963 9.09601  $-3*(11+156*x+406*x^2+236*x^3+31*x^4)/(x-1)/$   
 $(31*x^4+146*x^3+156*x^2+26*x+1)$  lgdogf  
A167964 7.49436 [  $-(x^49+x^48+x^47+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A167975 10.5881 [  $(-2-4*x+812*x^32-839*x^31-869*x^30+900*x^29-2*x^2)/(x-1)/(x+1)/$   
 $(29*x^31-30*x^30+x+1)$  lgdogf]  
A167975 12.4202 [  $(29*x^31-30*x^30+x+1)/(x+1)/(x-1)^2$  ogf]  
A167978 14.1816 [  $-(x+1)/(46*x-1)$  ogf]  
A167978 7.28246 [  $\{a(n+2)-46*a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A167980 14.4667 [  $-(x+1)/(47*x-1)$  ogf]  
A167980 7.42884 [  $\{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A167988 14.4667 [  $-(x+1)/(48*x-1)$  ogf]  
A167988 7.42884 [  $\{a(n+2)-48*a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A167989 14.4667 [  $-(x+1)/(49*x-1)$  ogf]  
A167989 7.42884 [  $\{a(n+2)-49*a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A167993 19.3288 [  $x^2/(3*x-1)/(3*x^2-1)$  ogf]  
A167993 22.4479  $-3*(-1-2*x+9*x^2)/(3*x-1)/(3*x^2-1)$  lgdogf  
A167993 7.20436 [  $\{a(n+3)-3*a(n+2)-3*a(n+1)+9*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A168028 15.1196  $-(4567-9782*x+5251*x^2)/(x-1)/(5251*x^2-10142*x+4903)$  lgdogf  
A168029 4.84554 [  $x*(x^6+57*x^5+603*x^4+1198*x^3+603*x^2+57*x+1)/(x-1)^8$  ogf]  
A168029 6.09730  $-(65+1605*x+2*x^6+177*x^5+2697*x^4+7212*x^2+8402*x^3)/(x-1)/$   
 $(x^6+57*x^5+603*x^4+1198*x^3+603*x^2+57*x+1)$  lgdogf  
A168043 13.6723  $-(-2+2*x+x^5+5*x^4-7*x^3+3*x^2)/(-1+x)/(x^2+x-1)/(x^4-x+1)$   
lgdogf  
A168043 4.12139 [  $-(x^4-x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A168046 31.7100 [  $x^9-x^8+1$  ogf\_with\_Euler\_transform]  
A168049 8.29183  $-1/2*(-1+4*x-x^2-6*x^3+(-(-1+3*x)*(x+1)*(5*x+1)^2)^(1/2)))/$



$(-1+3*x)/(x+1)/(x^2-x+2)$  lgdogf  
A168050 15.1989  $(-1+x+x^5-x^4-x^3+5*x^2)/(x-1)/(x+1)/(x^4-x^3-2*x^2+1)$  lgdogf  
A168050 8.41841  $[(x^4-x^3-2*x^2+1)/(x+1)/(x-1)^2$  ogf]  
A168052 13.2063  $[(x^2+1)/(x^2-x+1)/(x+1)^2$  ogf]  
A168052 16.6646  $[[x^5-x^3-x^2+2*x-1]$  ogf\_with\_Euler\_transform]  
A168052 18.1085  $-(1-3*x+2*x^4+5*x^2-x^3)/(x+1)/(x^2+1)/(x^2-x+1)$  lgdogf  
A168052 4.58998  $[{(n+4)*a(n+1)-a(n+2)+a(n+3)+(n+3)*a(n+4), a(0) = 1, a(1) = -1, a(2) = 2, a(3) = -3},$  ogf]  
A168053 12.5193  $(-1+3*x+3*x^5+7*x^4+7*x^2+5*x^3)/(x-1)/(x^2+x+1)/(3*x^3+2*x^2-1)$  lgdogf  
A168053 9.57355  $[-(3*x^3+2*x^2-1)/(x^2+x+1)/(x-1)^2$  ogf]  
A168054 3.51164  $[{(32*n+56)*a(n+1)+16*a(n+2)+8*a(n+3)+(-4*n-3)*a(n+4), a(0) = 1, a(1) = 2, a(2) = -4, a(3) = -24},$  ogf]  
A168054 8.34390  $-2*(-1+6*x+96*x^5+112*x^4+28*x^2+40*x^3)/(2*x-1)/(4*x^2+2*x+1)/(24*x^3+8*x^2-1)$  lgdogf  
A168054 8.80530  $[-(24*x^3+8*x^2-1)/(4*x^2+2*x+1)/(2*x-1)^2$  ogf]  
A168055 7.94979  $(-1+6*x-5*x^2-12*x^3+(-(x+1)*(3*x-1)*(1+7*x)^2)^(1/2))/(x+1)/(3*x-1)/(4*x^2-2*x+3)$  lgdogf  
A168056 13.6406  $[(x^3+2*x^2+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A168056 14.4931  $(-1+5*x+x^5+5*x^4+9*x^2+3*x^3)/(x-1)/(x^2+x+1)/(x^3+2*x^2+1)$  lgdogf  
A168056 5.37356  $[{(4*n+13)*a(n+1)+4*a(n+2)+4*a(n+3)+(-4*n-9)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 5},$  ogf]  
A168057 10.3570  $[(8*x^3+8*x^2+1)/(4*x^2+2*x+1)/(2*x-1)^2$  ogf]  
A168057 4.02095  $[{(-32*n-104)*a(n+1)-16*a(n+2)-8*a(n+3)+(4*n+9)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 12, a(3) = 40},$  ogf]  
A168057 8.70250  $-2*(1+10*x+32*x^5+80*x^4+36*x^2+24*x^3)/(2*x-1)/(4*x^2+2*x+1)/(8*x^3+8*x^2+1)$  lgdogf  
A168058 7.82866  $(-1-2*x+12*x^3+11*x^2+(-(x+1)*(-1+3*x)*(x-1)^2)^(1/2))/(x+1)/(-1+3*x)/(4*x^2+2*x-1)$  lgdogf  
A168059 11.4748  $[-(x^3+6*x^2+3*x+2)/(x-1)^3/(x+1)^3$  ogf]  
A168059 14.6760  $-3*(1+8*x+x^4+8*x^3+6*x^2)/(x-1)/(x+1)/(2*x^3+6*x^2+3*x)$  lgdogf  
A168059 6.25122  $[{(n^2+9*n+20)*a(n+1)+(-n^2-5*n-6)*a(n+3), a(0) = 2, a(1) = 3, a(2) = 12},$  ogf]  
A168067 4.54978  $[-x*(127*x^6+2136*x^5+7827*x^4+7792*x^3+2157*x^2+120*x+1)/(x-1)^9$  ogf]  
A168071 11.4171  $[-(4*x^3+3*x^2-1)/(x^2+x+1)/(x-1)^2$  ogf]  
A168071 4.52507  $[{(n+2)*a(n+1)+a(n+2)+a(n+3)+(-n-1)*a(n+4), a(0) = 1, a(1) = 1, a(2) = -2, a(3) = -5},$  ogf]  
A168072 3.77981  $[{(27*n+54)*a(n+1)+9*a(n+2)+3*a(n+3)+(-n-1)*a(n+4), a(0) = 1, a(1) = 3, a(2) = -18, a(3) = -135},$  ogf]  
A168072 9.12554  $[-(108*x^3+27*x^2-1)/(9*x^2+3*x+1)/(3*x-1)^2$  ogf]  
A168073 3.85649  $[{(27*n^2-27*n)*a(n)+(21*n^2+15*n)*a(n+1)+(-7*n^2-11*n+6)*a(n+2)+(-n^2-5*n-6)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 3},$  ogf]  
A168073 8.72276  $-3/2*(-1+8*x-9*x^2-18*x^3+(-(1+3*x)*(x+1)*(1+9*x)^2)^(1/2))/(-1+3*x)/(x+1)/(9*x^2-3*x+4)$  lgdogf  
A168074 11.8421  $[(2*x^3+3*x^2+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A168074 4.69351  $[{(n+3)*a(n+1)+a(n+2)+a(n+3)+(-n-2)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 7},$  ogf]  
A168075 10.1231  $[-(54*x^3-27*x^2-1)/(9*x^2-3*x+1)/(3*x+1)^2$  ogf]  
A168075 4.13312  $[{(27*n+81)*a(n+1)-9*a(n+2)+3*a(n+3)+(n+2)*a(n+4), a(0) = 1, a(1) = -3, a(2) = 36, a(3) = -189},$  ogf]  
A168076 11.5950  $-3/2*(-6*x^2-7*x-1+(-(1+3*x)*(x+1))^(1/2))/(x+1)/(2+3*x)/(-1+3*x)$  lgdogf  
A168077 10.0921  $(-1+18*x+2*x^5+3*x^4+28*x^3+8*x^2)/(x-1)/(x+1)/(x^4+x^3+6*x^2+x+1)$  lgdogf  
A168077 6.00227  $[{(n^2+6*n+9)*a(n+1)+(-n^2-2*n-1)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 1},$  ogf]  
A168077 9.25055  $[-x*(x^4+x^3+6*x^2+x+1)/(x-1)^3/(x+1)^3$  ogf]  
A168082 6.77453  $[-x^{10}/(x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A168082 6.91304  $(-1+2*x$

$$\frac{+7*x^6+6*x^5+11*x^10+10*x^9+9*x^8+8*x^7+5*x^4+3*x^2+4*x^3}{(x^2-1+x+x^8+x^4+x^9+x^3+x^10+x^6+x^11+x^5+x^7)}$$
 lgdogf  
A168083 6.29852  $-(2*x$   

$$+7*x^6+6*x^5+11*x^10+10*x^9+9*x^8+8*x^7+5*x^4+3*x^2+4*x^3+12*x^{11}+1)/(x^{11}+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{12}-1+x+x^2)$$
 lgdogf  
A168083 6.34120  $[-x^{11}/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1)$   
ogf]  
A168084 5.96738  $[-x^{12}/(x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A168090 10.1885  $[{a(n+3)-2*a(n), a(0) = 1, a(1) = 0, a(2) = 2},$  ogf]  
A168090 16.9808  $[-(2*x^2+1)/(2*x^3-1)$  ogf]  
A168090 21.7048  $-2*x*(2+2*x^3+3*x)/(2*x^2+1)/(2*x^3-1)$  lgdogf  
A168092 3.89026  $[{a(n+4)-a(n+3), a(0) = 2, a(1) = 3, a(2) = 4, a(3) = 5},$  ogf]  
A168092 7.04651  $[-(x^3+x^2+x+2)/(x-1)$  ogf]  
A168092 8.73327  $(-3-2*x+2*x^3-2*x^2)/(-1+x)/(x^3+x^2+x+2)$  lgdogf  
A168093 13.4994  $[-(x^4+x^3+x^2+x+3)/(x-1)$  ogf]  
A168093 7.40209  $(-4-2*x+3*x^4-2*x^3-2*x^2)/(-1+x)/(x^4+x^3+x^2+x+3)$  lgdogf  
A168094 11.9343  $[-(x^5+x^4+x^3+x^2+x+4)/(x-1)$  ogf]  
A168094 6.34902  $(-5-2*x+4*x^5-2*x^4-2*x^3-2*x^2)/(-1+x)/(x^5+x^4+x^3+x^2+x+4)$  lgdogf  
A168095 11.2726  $[-(x^6+x^5+x^4+x^3+x^2+x+5)/(x-1)$  ogf]  
A168095 5.53324  $(-6-2*x+5*x^6-2*x^5-2*x^4-2*x^3-2*x^2)/(-1+x)/(x^6+x^5+x^4+x^3+x^2+x+5)$  lgdogf  
A168096 5.75789  $(-7-2*x-2*x^6-2*x^5+6*x^7-2*x^4-2*x^3-2*x^2)/(-1+x)/(x^7+x^6+x^5+x^4+x^3+x^2+x+6)$  lgdogf  
A168096 7.73179  $[-(x^7+x^6+x^5+x^4+x^3+x^2+x+6)/(x-1)$  ogf]  
A168097 7.10977  $[-(x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+7)/(x-1)$  ogf]  
A168098 7.03542  $[-(x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+8)/(x-1)$  ogf]  
A168099 8.61993  $[-(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+9)/(x-1)$  ogf]  
A168100 7.93735  $[-(x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+10)/(x-1)$  ogf]  
A168101 12.1991  $(-6-2*x+x^3-3*x^2)/(-1+x)/(x^3+x^2+3)$  lgdogf  
A168101 16.5809  $[ (x^3+x^2+3)/(x-1)^2$  ogf]  
A168101 8.14753  $[{a(n+4)-2*a(n+3)+a(n+2), a(0) = 3, a(1) = 6, a(2) = 10, a(3) = 15},$  ogf]  
A168102 12.0220  $[ (x^4+x^3+x^2-2*x+6)/(x-1)^2$  ogf]  
A168102 8.04197  $(-10+2*x^4-3*x^3-3*x^2)/(-1+x)/(x^4+x^3+x^2-2*x+6)$  lgdogf  
A168103 11.8667  $[ (x+2)*(x^4-x^3+3*x^2-5*x+5)/(x-1)^2$  ogf]  
A168103 7.65304  $3*(-5+x+x^5-x^4-x^3-x^2)/(2+x)/(-1+x)/(x^4-x^3+3*x^2-5*x+5)$  lgdogf  
A168104 10.6232  $[ (x^6+x^5+x^4+x^3+x^2-9*x+15)/(x-1)^2$  ogf]  
A168104 6.35478  $(-21+7*x+4*x^6-3*x^5-3*x^4-3*x^3-3*x^2)/(-1+x)/(x^6+x^5+x^4+x^3+x^2-9*x+15)$  lgdogf  
A168105 5.76917  $(-28+12*x-3*x^6-3*x^5+5*x^7-3*x^4-3*x^3-3*x^2)/(-1+x)/(x^7+x^6+x^5+x^4+x^3+x^2-14*x+21)$  lgdogf  
A168105 9.70232  $[ (x^7+x^6+x^5+x^4+x^3+x^2-14*x+21)/(x-1)^2$  ogf]  
A168106 5.24854  $3*(-12+6*x+2*x^8-x^6-x^5-x^7-x^4-x^3-x^2)/(-1+x)/(x^8+x^7+x^6+x^5+x^4+x^3+x^2-20*x+28)$  lgdogf  
A168106 8.98816  $[ (x^8+x^7+x^6+x^5+x^4+x^3+x^2-20*x+28)/(x-1)^2$  ogf]  
A168107 8.37695  $[ (x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2-27*x+36)/(x-1)^2$  ogf]  
A168108 7.74918  $[ (x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2-35*x+45)/(x-1)^2$  ogf]  
A168109 7.20819  $[ (x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2-44*x+55)/(x-1)^2$  ogf]  
A168116 3.34858  $[ x*(x^8+247*x^7+7318*x^6+44089*x^5+78130*x^4+44089*x^3+7318*x^2+247*x+1)/(x-1)^{10}$  ogf]  
A168122 5.21451  $[-x*(x+1)*(x^4+26*x^3+126*x^2+26*x+1)/(x-1)^7$  ogf]  
A168122 8.41380  $-2*(17+233*x+x^5+608*x^2+358*x^3+43*x^4)/(x-1)/(x+1)/(x^4+26*x^3+126*x^2+26*x+1)$  lgdogf  
A168123 4.50193  $[ x*(62*x^5+593*x^4+1208*x^3+598*x^2+58*x+1)/(x-1)^8$  ogf]  
A168123 6.81849  $-6*(11+267*x+31*x^5+447*x^4+1202*x^2+1402*x^3)/(x-1)/(62*x^5+593*x^4+1208*x^3+598*x^2+58*x+1)$  lgdogf

A168124 4.07361 [  $-x*(x+1)*(x^6+120*x^5+2031*x^4+5776*x^3+2031*x^2+120*x+1)/(x-1)^9$  ogf]  
A168125 3.73983 [  $x*(254*x^7+7297*x^6+44124*x^5+78095*x^4+44110*x^3+7311*x^2+248*x+1)/(x-1)^{10}$  ogf]  
A168150 13.4953 [  $x*(3*x^2+3*x+1)/(2*x+1)^2$  ogf]  
A168150 6.80736 [  $\{-a(n+4)-4*a(n+3)-4*a(n+2), a(0) = 0, a(1) = 1, a(2) = -1, a(3) = 3\}$ , ogf]  
A168175 18.6764 [  $1/(7*x^2-4*x+1)$  ogf]  
A168175 25.7076  $-2*(-2+7*x)/(7*x^2+1-4*x)$  lgdogf  
A168175 7.51612 [  $\{-a(n+2)+4*a(n+1)-7*a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A168178 10.9016  $-2*(10+65*x+x^4+81*x^2+23*x^3)/(x-1)/(x^4+14*x^3+30*x^2+14*x+1)$  lgdogf  
A168178 6.28018 [  $x*(x^4+14*x^3+30*x^2+14*x+1)/(x-1)^6$  ogf]  
A168179 4.26342 [  $x*(x^6+60*x^5+591*x^4+1216*x^3+591*x^2+60*x+1)/(x-1)^8$  ogf]  
A168179 6.21686  $-2*(34+801*x+x^6+93*x^5+1332*x^4+3597*x^2+4222*x^3)/(x-1)/(x^6+60*x^5+591*x^4+1216*x^3+591*x^2+60*x+1)$  lgdogf  
A168180 3.71064 [  $-x*(124*x^6+2151*x^5+7797*x^4+7822*x^3+2142*x^2+123*x+1)/(x-1)^9$  ogf]  
A168181 10.8957 [  $-x*(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A168181 31.8701 [  $x^7-x^6+1$  ogf\_with\_Euler\_transform]  
A168181 7.36877  $-(1+8*x^7+7*x^8+6*x^9+5*x^{10}+4*x^{11}+3*x^{12}+6*x^5+2*x+2*x^{13}+4*x^3+3*x^2+5*x^4)/(x-1)/(x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)$  lgdogf  
A168182 10.0586 [  $-x*(x+1)*(x^2+1)*(x^4+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A168182 32.1904 [  $x^8-x^7+1$  ogf\_with\_Euler\_transform]  
A168183 31.0147 [  $-x^8+x^7+2$  ogf\_with\_Euler\_transform]  
A168183 8.27869 [  $(x^2+x+1)*(x^6+x^3+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A168184 32.3506 [  $x^9-x^8+1$  ogf\_with\_Euler\_transform]  
A168184 9.21667 [  $-x*(x^2+x+1)*(x^6+x^3+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A168185 30.5631 [  $x^{11}-x^{10}+1$  ogf\_with\_Euler\_transform]  
A168185 7.91173 [  $-x*(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A168186 28.8762 [  $-x^{11}+x^{10}+2$  ogf\_with\_Euler\_transform]  
A168186 6.55548 [  $(x+1)*(x^2+1)*(x^2+x+1)*(x^2-x+1)*(x^4-x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A168187 5.09170 [  $x*(x^8+250*x^7+7300*x^6+44134*x^5+78070*x^4+44134*x^3+7300*x^2+250*x+1)/(x-1)^{10}$  ogf]  
A168192 5.21451 [  $-x*(x+1)*(x^2+4*x+1)*(x^2+28*x+1)/(x-1)^7$  ogf]  
A168192 8.74162  $-2*(20+245*x+x^5+584*x^2+358*x^3+52*x^4)/(x-1)/(x+1)/(x^2+4*x+1)/(x^2+28*x+1)$  lgdogf  
A168193 16.0649 [  $2*x*(x+1)/(x-1)/(x^2+x-1)$  ogf]  
A168193 19.9064  $-(-3+2*x^3+3*x^2)/(x-1)/(x+1)/(x^2+x-1)$  lgdogf  
A168193 8.46431 [  $\{-a(n+3)+2*a(n+2)-a(n), a(0) = 0, a(1) = 2, a(2) = 6\}$ , ogf]  
A168194 4.50193 [  $x*(56*x^5+605*x^4+1208*x^3+586*x^2+64*x+1)/(x-1)^8$  ogf]  
A168194 6.96834  $-12*(6+135*x+14*x^5+225*x^4+595*x^2+705*x^3)/(x-1)/(56*x^5+605*x^4+1208*x^3+586*x^2+64*x+1)$  lgdogf  
A168195 13.9517 [  $(2*x^2-5*x+5)/(x+1)/(x-1)^2$  ogf]  
A168195 19.9608  $-2*x*(7-4*x+x^2)/(x-1)/(x+1)/(2*x^2-5*x+5)$  lgdogf  
A168195 7.66717 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 0, a(2) = 7\}$ , ogf]  
A168197 15.4508 [  $-x*(4*x-7)/(x+1)/(x-1)^2$  ogf]  
A168197 24.1109  $-(-3-17*x+8*x^2)/(x-1)/(4*x-7)/(x+1)$  lgdogf  
A168197 7.93419 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 3\}$ , ogf]  
A168198 14.8349 [  $-(3*x^2-5*x-1)/(x+1)/(x-1)^2$  ogf]  
A168198 18.8923  $-(-6-2*x-7*x^2+3*x^3)/(x-1)/(x+1)/(3*x^2-5*x-1)$  lgdogf  
A168198 8.07973 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 6, a(2) = 4\}$ , ogf]  
A168199 14.8349 [  $-(2*x+1)*(x-2)/(x+1)/(x-1)^2$  ogf]  
A168199 8.07973 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 5, a(2) = 5\}$ , ogf]

A168200 17.0742 [  $-(x-4)/(x+1)/(x-1)^2$  ogf]  
A168200 26.1158  $-(3-11x+2x^2)/(x-1)/(x-4)/(x+1)$  lgdogf  
A168200 8.07973 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 3, a(2) = 7\}$ , ogf]  
A168201 18.1207 [  $1/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A168201 32.6893 [  $x^{10}+x^6$  ogf\_with\_Euler\_transform]  
A168202 14.8349 [  $(x^2-3x+5)/(x+1)/(x-1)^2$  ogf]  
A168202 20.6497  $-(2+14x-5x^2+x^3)/(x-1)/(x+1)/(x^2-3x+5)$  lgdogf  
A168202 8.07973 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 2, a(2) = 8\}$ , ogf]  
A168203 15.7296 [  $-x*(5x-9)/(x+1)/(x-1)^2$  ogf]  
A168203 23.2636  $-2*(-2-11x+5x^2)/(x-1)/(5x-9)/(x+1)$  lgdogf  
A168203 8.07734 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 9, a(2) = 4\}$ , ogf]  
A168204 14.7668 [  $-(4x^2-7x-1)/(x+1)/(x-1)^2$  ogf]  
A168204 18.8089  $-2*(-4-x-5x^2+2x^3)/(x-1)/(x+1)/(4x^2-7x-1)$  lgdogf  
A168204 8.04263 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 8, a(2) = 5\}$ , ogf]  
A168205 14.4393 [  $-(3x+1)*(x-2)/(x+1)/(x-1)^2$  ogf]  
A168205 18.3851  $-(7-5x+3x^3-7x^2)/(x-1)/(x-2)/(3x+1)/(x+1)$  lgdogf  
A168205 7.86425 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 7, a(2) = 6\}$ , ogf]  
A168206 14.9431 [  $-x*(6x-11)/(x+1)/(x-1)^2$  ogf]  
A168206 22.4820  $-(5-27x+12x^2)/(6x-11)/(x-1)/(x+1)$  lgdogf  
A168206 7.73837 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 11, a(2) = 5\}$ , ogf]  
A168207 14.0455 [  $-(9x^2-12x-2)/(x+1)/(x-1)^2$  ogf]  
A168207 18.5721  $-(-14+9x^3-15x^2)/(x-1)/(x+1)/(9x^2-12x-2)$  lgdogf  
A168207 7.70641 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 14, a(2) = 7\}$ , ogf]  
A168209 14.1405 [  $-(3x^2-5x-3)/(x+1)/(x-1)^2$  ogf]  
A168209 18.0013  $-(-8-8x+3x^3-7x^2)/(x-1)/(x+1)/(3x^2-5x-3)$  lgdogf  
A168209 7.70152 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 8, a(2) = 8\}$ , ogf]  
A168210 14.6832 [  $-x*(7x-13)/(x+1)/(x-1)^2$  ogf]  
A168210 21.5215  $-2*(-3-16x+7x^2)/(x-1)/(7x-13)/(x+1)$  lgdogf  
A168210 7.60378 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 13, a(2) = 6\}$ , ogf]  
A168211 14.6229 [  $-x*(8x-15)/(x+1)/(x-1)^2$  ogf]  
A168211 21.9973  $-(-7-37x+16x^2)/(8x-15)/(x-1)/(x+1)$  lgdogf  
A168211 7.57257 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 15, a(2) = 7\}$ , ogf]  
A168212 14.1043 [  $-(4x^2-7x-4)/(x+1)/(x-1)^2$  ogf]  
A168212 16.8810  $-(-11-11x+4x^3-10x^2)/(x-1)/(x+1)/(4x^2-7x-4)$  lgdogf  
A168212 7.54703 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 11, a(2) = 11\}$ , ogf]  
A168213 13.8524 [  $-(5x^2-9x-5)/(x+1)/(x-1)^2$  ogf]  
A168213 16.5765  $-(-14-14x+5x^3-13x^2)/(x-1)/(x+1)/(5x^2-9x-5)$  lgdogf  
A168213 7.41225 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 14, a(2) = 14\}$ , ogf]  
A168223 10.5742  $-(-3+x+9x^5+3x^4+6x^3+3x^2-3x^6+8x^7)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A168223 17.0239 [  $-x^5+x^3+3x^2+2x-3$  ogf\_with\_Euler\_transform]  
A168223 6.36763 [  $-x^4*(x^2-x+1)/(x^2+1)/(x-1)^2/(x^2+x+1)^2/(x+1)^2$  ogf]  
A168224 11.7299 [  $x*(x^3+4x^2+2x+5)/(x^2+x+1)/(x-1)^2$  ogf]  
A168224 12.5978  $-(7+15x+x^5+9x^4+11x^3+29x^2)/(x-1)/(x^2+x+1)/(x^3+4x^2+2x+5)$  lgdogf  
A168224 5.28570 [  $\{(12n+23)*a(n)+12*a(n+1)+12*a(n+2)+(-12n-11)*a(n+3), a(0) = 0, a(1) = 5, a(2) = 7, a(3) = 11\}$ , ogf]  
A168230 15.9823 [  $-x*(3x-4)/(x+1)/(x-1)^2$  ogf]  
A168230 25.6582  $-(-1-9x+6x^2)/(x-1)/(3x-4)/(x+1)$  lgdogf  
A168230 8.20712 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 1\}$ , ogf]  
A168232 14.3953 [  $2*(x^2-x+1)/(x+1)/(x-1)^2$  ogf]  
A168232 25.4507  $-x*(4+x^2-x)/(x-1)/(x+1)/(x^2-x+1)$  lgdogf

A168232 30.1790 [-x^5+x^2+2\*x ogf\_with\_Euler\_transform]  
A168232 7.91092 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 0, a(2) = 4}, ogf]  
A168233 14.8349 [- (x^2-3\*x-1)/(x+1)/(x-1)^2 ogf]  
A168233 20.6497 -(-4-4\*x-5\*x^2+x^3)/(x-1)/(x+1)/(x^2-3\*x-1) lgdogf  
A168233 8.07973 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 4}, ogf]  
A168235 14.0928 [- (x^2+13)/(x-1)^3 ogf]  
A168235 28.6517 -(39+2\*x+x^2)/(x-1)/(x^2+13) lgdogf  
A168235 7.10770 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 13, a(1) = 39, a(2) = 79}, ogf]  
A168236 15.7269 [ (x^2+2)/(x+1)/(x-1)^2 ogf]  
A168236 24.4289 -(2+8\*x+x^3+x^2)/(x-1)/(x+1)/(x^2+2) lgdogf  
A168236 8.00388 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 2, a(2) = 5}, ogf]  
A168237 20.0820 [ 3\*x/(x+1)/(x-1)^2 ogf]  
A168237 42.8896 [[1+x] ogf\_with\_Euler\_transform]  
A168237 44.5450 -(1+3\*x)/(x-1)/(x+1) lgdogf  
A168237 8.14133 [-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 3}, ogf]  
A168240 13.1421 [- (x^2+4\*x+21)/(x-1)^3 ogf]  
A168240 24.2382 -(67+10\*x+x^2)/(x-1)/(x^2+4\*x+21) lgdogf  
A168240 7.02424 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 21, a(1) = 67, a(2) = 139}, ogf]  
A168244 14.3093 [ (4\*x^2+x-1)/(x-1)^3 ogf]  
A168244 32.3964 -(-1-12\*x+x^2)/(x-1)/(x^2-7\*x+2) lgdogf  
A168244 7.79345 [-a(n+3)+3\*a(n+2)-3\*a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = -1}, ogf]  
A168251 4.36428 [ -  
x\*(64\*x^10+16\*x^9+336\*x^8-44\*x^7-212\*x^6+36\*x^5+23\*x^4-4\*x^3+6\*x^2-4\*x-1)/  
(x-1)^3/(2\*x+1)^3/(2\*x-1)^3/(x+1)^3 ogf]  
A168269 15.6561 [ (x^2+3)/(x+1)/(x-1)^2 ogf]  
A168269 23.6659 -(3+11\*x+x^2+x^3)/(x-1)/(x+1)/(3+x^2) lgdogf  
A168269 7.96781 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 3, a(2) = 7}, ogf]  
A168273 19.7379 [ 4\*x/(x+1)/(x-1)^2 ogf]  
A168273 42.1415 [[1+x] ogf\_with\_Euler\_transform]  
A168273 43.7818 -(1+3\*x)/(x-1)/(x+1) lgdogf  
A168273 8.00186 [-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 4}, ogf]  
A168276 15.6561 [ 2\*(x^2+1)/(x+1)/(x-1)^2 ogf]  
A168276 24.3232 -(1+5\*x+x^2+x^3)/(x-1)/(x+1)/(1+x^2) lgdogf  
A168276 30.6602 [[-x^3+2\*x+1] ogf\_with\_Euler\_transform]  
A168276 7.96781 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 2, a(2) = 6}, ogf]  
A168277 15.5091 [ (3\*x^2+1)/(x+1)/(x-1)^2 ogf]  
A168277 20.6490 -(1+9\*x+3\*x^3+3\*x^2)/(x-1)/(x+1)/(3\*x^2+1) lgdogf  
A168277 7.89300 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 5}, ogf]  
A168278 14.1405 [- (2\*x^2-5\*x-2)/(x+1)/(x-1)^2 ogf]  
A168278 18.0013 -(-7-7\*x+2\*x^3-8\*x^2)/(x-1)/(x+1)/(2\*x^2-5\*x-2) lgdogf  
A168278 7.70152 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 7, a(2) = 7}, ogf]  
A168280 15.3368 [ (x^2+4)/(x+1)/(x-1)^2 ogf]  
A168280 23.1791 -(4+14\*x+x^3+x^2)/(x-1)/(x+1)/(x^2+4) lgdogf  
A168280 7.80536 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 4, a(2) = 9}, ogf]  
A168282 14.1405 [- (x^2-5\*x-1)/(x+1)/(x-1)^2 ogf]  
A168282 19.6759 -(-6-6\*x+x^3-9\*x^2)/(x-1)/(x+1)/(x^2-5\*x-1) lgdogf  
A168282 7.70152 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 6, a(2) = 6}, ogf]  
A168283 15.3368 [ (2\*x^2+3)/(x+1)/(x-1)^2 ogf]  
A168283 19.9448 -(3+13\*x+2\*x^3+2\*x^2)/(x-1)/(x+1)/(2\*x^2+3) lgdogf  
A168283 7.80536 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 3, a(2) = 8}, ogf]  
A168284 19.0765 [ 5\*x/(x+1)/(x-1)^2 ogf]  
A168284 40.7172 [[1+x] ogf\_with\_Euler\_transform]  
A168284 42.3031 -(1+3\*x)/(x-1)/(x+1) lgdogf  
A168284 7.73372 [-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 5}, ogf]  
A168286 14.2196 [ -2\*(x^2-3\*x-1)/(x+1)/(x-1)^2 ogf]

A168286 19.7895  $-( -4 - 4x + x^3 - 5x^2 ) / (x-1) / (x+1) / (x^2 - 3x - 1)$  lgdogf  
A168286 7.74459  $[ \{ a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 2, a(1) = 8, a(2) = 8 \}, \text{ogf} ]$   
A168297 12.0171  $-( -1 - 13x + 3x^3 - 13x^2 ) / (x-1) / (3x^3 - 11x^2 + 3x - 1)$  lgdogf  
A168297 3.95988  $[ (257n^2 + 1501n + 1974)a(n+1) + (-466n^2 - 2184n - 2286)a(n+2) + (209n^2 + 827n + 600)a(n+3), a(0) = 1, a(1) = 1, a(2) = 9 \}, \text{ogf} ]$   
A168297 9.95046  $[ -(3x^3 - 11x^2 + 3x - 1) / (x-1)^4$  ogf]  
A168298 8.32200  $[ -(4x^3 - 10x^2 + 8x - 1) / (x-1) / (2x-1)^3$  ogf]  
A168298 9.80520  $-( -1 - 20x + 8x^4 + 46x^2 - 32x^3 ) / (x-1) / (2x-1) / (4x^3 - 10x^2 + 8x - 1)$  lgdogf  
A168299 6.06319  $[ -(54x^4 - 117x^3 + 87x^2 - 9x + 1) / (x-1) / (3x-1)^4$  ogf]  
A168299 7.10584  $-2 * ( -2 - 39x + 81x^5 - 270x^4 - 96x^2 + 342x^3 ) / (x-1) / ( -1 + 3x ) / (54x^4 - 117x^3 + 87x^2 - 9x + 1)$  lgdogf  
A168300 15.0126  $[ (x^2 + 5) / (x+1) / (x-1)^2$  ogf]  
A168300 22.6849  $-(5 + 17x + x^3 + x^2) / (x-1) / (x+1) / (x^2 + 5)$  lgdogf  
A168300 7.57272  $[ \{ a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 5, a(1) = 5, a(2) = 11 \}, \text{ogf} ]$   
A168301 14.2196  $[ -(x^2 - 6x - 1) / (x+1) / (x-1)^2$  ogf]  
A168301 19.3398  $-( -7 - 7x + x^3 - 11x^2 ) / (x-1) / (x+1) / (x^2 - 6x - 1)$  lgdogf  
A168301 7.74459  $[ \{ a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 1, a(1) = 7, a(2) = 7 \}, \text{ogf} ]$   
A168302 5.02350  $[ (x^4 + 23x^3 + 40x^2 - 2x - 8) / (x-1)^8$  ogf]  
A168302 9.68470  $-( -66 + 66x + 309x^2 + 119x^3 + 4x^4 ) / (x-1) / (x^4 + 23x^3 + 40x^2 - 2x - 8)$  lgdogf  
A168303 4.32475  $[ (x^5 + 53x^4 + 260x^3 + 236x^2 + 68x + 24) / (x-1)^{10}$  ogf]  
A168303 6.84107  $-(308 + 1084x + 2668x^2 + 2032x^3 + 323x^4 + 5x^5) / (x-1) / (x^5 + 53x^4 + 260x^3 + 236x^2 + 68x + 24)$  lgdogf  
A168304 4.53569  $[ (x^4 + 32x^3 + 136x^2 + 128x + 24) / (x-1)^{10}$  ogf]  
A168304 8.31776  $-2 * (184 + 712x + 592x^2 + 114x^3 + 3x^4) / (x-1) / (x^4 + 32x^3 + 136x^2 + 128x + 24)$  lgdogf  
A168305 5.05225  $[ (16x^4 + 576x^3 + 1112x^2 + 192x - 15) / (2x-1)^8$  ogf]  
A168305 7.00702  $-16 * ( -3 + 307x + 942x^2 + 364x^3 + 8x^4 ) / (2x-1) / (16x^4 + 576x^3 + 1112x^2 + 192x - 15)$  lgdogf  
A168307 10.1042  $-8 * (2x+3) * (50x^2 + 45x - 8) / (2x-1) / (80x^3 + 140x^2 + 48x - 15)$  lgdogf  
A168307 5.24332  $[ 4 * (80x^3 + 140x^2 + 48x - 15) / (2x-1)^8$  ogf]  
A168308 5.54713  $-4 * (3099 + 13192x + 44552x^2 + 35872x^3 + 5808x^4) / ( -1 + 2x ) / (1936x^4 + 9696x^3 + 9320x^2 + 1896x + 525)$  lgdogf  
A168309 11.8386  $[ \{ a(n+2) - a(n), a(0) = 4, a(1) = -3 \}, \text{ogf} ]$   
A168309 18.4798  $[ (3x-4) / (x-1) / (x+1)$  ogf]  
A168309 27.2365  $-(3 - 8x + 3x^2) / (x-1) / (3x-4) / (x+1)$  lgdogf  
A168309 31.9325  $(-2 + (4 - 3x + x^2)^{1/2}) / (-3 + x)$  revogf  
A168321 15.7317  $[ -x * (7x - 8) / (x+1) / (x-1)^2$  ogf]  
A168321 23.8874  $-( -1 - 17x + 14x^2 ) / (x-1) / (7x - 8) / (x+1)$  lgdogf  
A168321 8.07843  $[ \{ -a(n+3) + a(n+2) + a(n+1) - a(n), a(0) = 0, a(1) = 8, a(2) = 1 \}, \text{ogf} ]$   
A168326 15.0126  $[ 2 * (x^2 + 2) / (x+1) / (x-1)^2$  ogf]  
A168326 23.3150  $-(2 + 8x + x^3 + x^2) / (x-1) / (x+1) / (x^2 + 2)$  lgdogf  
A168326 7.57272  $[ \{ a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 4, a(1) = 4, a(2) = 10 \}, \text{ogf} ]$   
A168328 19.1841  $[ 6x / (x+1) / (x-1)^2$  ogf]  
A168328 40.9434  $[ [1+x]$  ogf\_with\_Euler\_transform]  
A168328 42.5475  $-(1 + 3x) / (x-1) / (x+1)$  lgdogf  
A168328 7.77732  $[ \{ -a(n+3) + a(n+2) + a(n+1) - a(n), a(0) = 0, a(1) = 6, a(2) = 6 \}, \text{ogf} ]$   
A168329 15.4224  $[ 3 * (x^2 + 1) / (x+1) / (x-1)^2$  ogf]  
A168329 23.9603  $-(1 + 5x + x^2 + x^3) / (x-1) / (x+1) / (1 + x^2)$  lgdogf  
A168329 30.1936  $[ [-x^3 + 2x + 1]$  ogf\_with\_Euler\_transform]  
A168329 7.84892  $[ \{ a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 3, a(1) = 3, a(2) = 9 \}, \text{ogf} ]$   
A168330 11.8386  $[ \{ a(n+2) - a(n), a(0) = 3, a(1) = -2 \}, \text{ogf} ]$   
A168330 18.4798  $[ (2x-3) / (x-1) / (x+1)$  ogf]  
A168330 26.4583  $1/2 / ( -2 + x ) * ( -3 + (9 - 8x + 4x^2)^{1/2} )$  revogf  
A168330 27.2365  $-2 * (1 - 3x + x^2) / (x-1) / (2x-3) / (x+1)$  lgdogf

A168331 14.1043 [  $-(3x^2-7x-3)/(x+1)/(x-1)^2$  ogf]  
A168331 16.8810  $-(10-10x+3x^3-11x^2)/(x-1)/(x+1)/(3x^2-7x-3)$  lgdogf  
A168331 7.54703 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 10, a(2) = 10\}$ ,  
ogf]  
A168332 14.9510 [  $(x^2+6)/(x+1)/(x-1)^2$  ogf]  
A168332 22.5918  $-(6+20x+x^3+x^2)/(x-1)/(x+1)/(x^2+6)$  lgdogf  
A168332 7.54165 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 6, a(1) = 6, a(2) = 13\}$ ,  
ogf]  
A168333 13.9706 [  $-(2x^2-7x-2)/(x+1)/(x-1)^2$  ogf]  
A168333 17.4145  $-(9-9x+2x^3-12x^2)/(x-1)/(x+1)/(2x^2-7x-2)$  lgdogf  
A168333 7.60898 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 9, a(2) = 9\}$ , ogf]  
A168336 14.9510 [  $(2x^2+5)/(x+1)/(x-1)^2$  ogf]  
A168336 19.4394  $-(5+19x+2x^3+2x^2)/(x-1)/(x+1)/(2x^2+5)$  lgdogf  
A168336 7.54165 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 5, a(2) = 12\}$ ,  
ogf]  
A168337 14.1624 [  $-(x^2-7x-1)/(x+1)/(x-1)^2$  ogf]  
A168337 19.2620  $-(8-8x+x^3-13x^2)/(x-1)/(x+1)/(x^2-7x-1)$  lgdogf  
A168337 7.71345 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 8, a(2) = 8\}$ , ogf]  
A168351 5.55367 [  $-x(16x^4+131x^3+171x^2+41x+1)/(x-1)^7$  ogf]  
A168351 9.48034  $-12(4+49x+104x^2+49x^3+4x^4)/(x-1)/$   
 $(16x^4+131x^3+171x^2+41x+1)$  lgdogf  
A168361 11.8386 [  $\{a(n+2)-a(n), a(0) = 2, a(1) = -1\}$ , ogf]  
A168361 18.4798 [  $(x-2)/(x-1)/(x+1)$  ogf]  
A168361 30.8680  $-(1-4x+x^2)/(x-1)/(x-2)/(x+1)$  lgdogf  
A168361 34.2978  $(-1+(1-x+x^2)^{1/2})/(-1+x)$  revogf  
A168364 4.26342 [  $x(x^6+72x^5+603x^4+1168x^3+603x^2+72x+1)/(x-1)^8$  ogf]  
A168364 6.15650  $-2(40+855x+x^6+111x^5+1386x^4+3561x^2+4126x^3)/(x-1)/$   
 $(x^6+72x^5+603x^4+1168x^3+603x^2+72x+1)$  lgdogf  
A168371 3.71064 [  $-x(112x^6+2151x^5+7857x^4+7762x^3+2142x^2+135x+1)/$   
 $(x-1)^9$  ogf]  
A168372 5.09170 [  $x(x^8+262x^7+7288x^6+44074x^5+78190x^4+44074x^3+7288x^2+262x+1)/(x-1)^{10}$   
ogf]  
A168373 14.9510 [  $(3x^2+4)/(x+1)/(x-1)^2$  ogf]  
A168373 19.4394  $-(4+18x+3x^3+3x^2)/(x-1)/(x+1)/(3x^2+4)$  lgdogf  
A168373 7.54165 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 4, a(2) = 11\}$ ,  
ogf]  
A168374 19.1069 [  $7x/(x+1)/(x-1)^2$  ogf]  
A168374 40.7754 [  $[1+x]$  ogf\_with\_Euler\_transform]  
A168374 42.3764  $-(1+3x)/(x-1)/(x+1)$  lgdogf  
A168374 7.74605 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 7\}$ ,  
ogf]  
A168376 14.9510 [  $(4x^2+3)/(x+1)/(x-1)^2$  ogf]  
A168376 19.4394  $-(3+17x+4x^3+4x^2)/(x-1)/(x+1)/(4x^2+3)$  lgdogf  
A168376 7.54165 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 3, a(2) = 10\}$ ,  
ogf]  
A168378 14.2380 [  $-(3x+1)(x-3)/(x+1)/(x-1)^2$  ogf]  
A168378 17.0441  $-(-11-11x-13x^2+3x^3)/(x-1)/(x-3)/(3x+1)/(x+1)$  lgdogf  
A168378 7.61856 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 11, a(2) = 11\}$ ,  
ogf]  
A168379 14.8883 [  $(x^2+7)/(x+1)/(x-1)^2$  ogf]  
A168379 22.4970  $-(7+23x+x^3+x^2)/(x-1)/(x+1)/(x^2+7)$  lgdogf  
A168379 7.51002 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 7, a(1) = 7, a(2) = 15\}$ ,  
ogf]  
A168380 11.5429 [  $2(x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A168380 22.9831  $-2(1+4x+x^2+2x^3)/(x-1)/(x+1)/(x^2+1)$  lgdogf  
A168380 32.0740 [  $[-x^3+3x+2]$  ogf\_with\_Euler\_transform]  
A168381 14.2380 [  $-2(x^2-4x-1)/(x+1)/(x-1)^2$  ogf]  
A168381 19.8187  $-(-5-5x-7x^2+x^3)/(x-1)/(x+1)/(x^2-4x-1)$  lgdogf  
A168381 7.61856 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 10, a(2) = 10\}$ ,  
ogf]

A168384 14.8883 [  $2*(x^2+3)/(x+1)/(x-1)^2$  ogf]  
A168384 22.4970  $-(3+11*x+x^3+x^2)/(x-1)/(x+1)/(x^2+3)$  lgdogf  
A168384 7.51002 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 6, a(1) = 6, a(2) = 14\}$ , ogf]  
A168388 12.0600  $-(x+3)*(x^2+1)*(x^3-3*x^2-x-1)/(x-1)/(x+1)/(x^2-2*x-1)/(x^3+x^2-x+1)$  lgdogf  
A168388 7.66498 [  $-(x^2-2*x-1)*(x^3+x^2-x+1)/(x+1)^2/(x-1)^4$  ogf]  
A168390 14.1043 [  $-(x^2-8*x-1)/(x+1)/(x-1)^2$  ogf]  
A168390 19.1830  $-(9-9*x+x^3-15*x^2)/(x-1)/(x+1)/(x^2-8*x-1)$  lgdogf  
A168390 7.68179 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 9, a(2) = 9\}$ , ogf]  
A168392 14.8883 [  $(3*x^2+5)/(x+1)/(x-1)^2$  ogf]  
A168392 19.3579  $-(5+21*x+3*x^3+3*x^2)/(x-1)/(x+1)/(3*x^2+5)$  lgdogf  
A168392 7.51002 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 5, a(2) = 13\}$ , ogf]  
A168397 20.3605 [  $8*x/(x+1)/(x-1)^2$  ogf]  
A168397 43.4578 [[1+x] ogf\_with\_Euler\_transform]  
A168397 8.25426 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 8\}$ , ogf]  
A168398 14.8883 [  $4*(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A168398 23.1219  $-(1+5*x+x^2+x^3)/(x-1)/(x+1)/(1+x^2)$  lgdogf  
A168398 29.1378 [[-x^3+2\*x+1] ogf\_with\_Euler\_transform]  
A168398 7.51002 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 4, a(2) = 12\}$ , ogf]  
A168399 11.2719 [  $\{a(n+3)-a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A168399 14.9738  $-3*(1+6*x+x^2+2*x^3+3*x^4)/(x-1)/(x^2+x+1)/(9*x^2+3*x+1)$  lgdogf  
A168399 17.4829 [  $-(9*x^2+3*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A168400 13.3690 [  $-(5*x^3+7*x^2+2*x+1)/(x-1)/(x^2+1)$  ogf]  
A168400 14.5881  $-3*(1+4*x+3*x^2-2*x^3+4*x^4)/(x-1)/(5*x^3+7*x^2+2*x+1)/(1+x^2)$  lgdogf  
A168400 6.93580 [  $\{a(n+4)-a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 12\}$ , ogf]  
A168401 13.8524 [  $-(4*x^2-9*x-4)/(x+1)/(x-1)^2$  ogf]  
A168401 16.5765  $-(-13-13*x+4*x^3-14*x^2)/(x-1)/(x+1)/(4*x^2-9*x-4)$  lgdogf  
A168401 7.41225 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 13, a(2) = 13\}$ , ogf]  
A168409 14.6826 [  $(x^2+8)/(x+1)/(x-1)^2$  ogf]  
A168409 22.1821  $-(8+26*x+x^3+x^2)/(x-1)/(x+1)/(x^2+8)$  lgdogf  
A168409 7.40629 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 8, a(1) = 8, a(2) = 17\}$ , ogf]  
A168410 13.8524 [  $-3*(x^2-3*x-1)/(x+1)/(x-1)^2$  ogf]  
A168410 19.2750  $-(-4-4*x+x^3-5*x^2)/(x-1)/(x+1)/(x^2-3*x-1)$  lgdogf  
A168410 7.41225 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 12, a(2) = 12\}$ , ogf]  
A168411 14.6826 [  $(2*x^2+7)/(x+1)/(x-1)^2$  ogf]  
A168411 19.0870  $-(7+25*x+2*x^3+2*x^2)/(x-1)/(x+1)/(2*x^2+7)$  lgdogf  
A168411 7.40629 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 7, a(1) = 7, a(2) = 16\}$ , ogf]  
A168413 13.8524 [  $-(2*x^2-9*x-2)/(x+1)/(x-1)^2$  ogf]  
A168413 16.5765  $-(-11-11*x+2*x^3-16*x^2)/(x-1)/(x+1)/(2*x^2-9*x-2)$  lgdogf  
A168413 7.41225 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 11, a(2) = 11\}$ , ogf]  
A168414 14.6826 [  $3*(x^2+2)/(x+1)/(x-1)^2$  ogf]  
A168414 22.7983  $-(2+8*x+x^3+x^2)/(x-1)/(x+1)/(x^2+2)$  lgdogf  
A168414 7.40629 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 6, a(1) = 6, a(2) = 15\}$ , ogf]  
A168415 10.5022  $1/2*\ln(2*x+15)-\operatorname{arctanh}(1/7*(2*x+64)^{1/2})-1/2*\ln(15)+\operatorname{arctanh}(8/7)$  revegef  
A168415 15.3698 [  $-(15*x-8)/(2*x-1)/(x-1)$  ogf]  
A168415 17.7730  $-(9-32*x+30*x^2)/(x-1)/(15*x-8)/(2*x-1)$  lgdogf  
A168415 8.62209 [  $\{a(n+2)-3*a(n+1)+2*a(n), a(0) = 8, a(1) = 9\}$ , ogf]  
A168416 13.8524 [  $-(x^2-9*x-1)/(x+1)/(x-1)^2$  ogf]



A168416 18.0179  $-( -10 - 10x + x^3 - 17x^2 ) / (x-1) / (x+1) / (x^2 - 9x - 1)$  lgdogf  
A168416 7.41225  $\{ a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 1, a(1) = 10, a(2) = 10 \}$ ,  
ogf]  
A168418 14.6826  $[ (4x^2 + 5) / (x+1) / (x-1)^2$  ogf]  
A168418 19.0870  $-(5 + 23x + 4x^3 + 4x^2) / (x-1) / (x+1) / (4x^2 + 5)$  lgdogf  
A168418 7.40629  $\{ a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 5, a(1) = 5, a(2) = 14 \}$ ,  
ogf]  
A168419 18.7683  $[ 9x / (x+1) / (x-1)^2$  ogf]  
A168419 40.0454  $[[1+x]$  ogf\_with\_Euler\_transform]  
A168419 41.6195  $-(3x+1) / (x-1) / (x+1)$  lgdogf  
A168419 7.60876  $\{ -a(n+3) + a(n+2) + a(n+1) - a(n), a(0) = 0, a(1) = 9, a(2) = 9 \}$ ,  
ogf]  
A168420 13.4395  $[ -2 * (2x^2 - 5x - 2) / (x+1) / (x-1)^2$  ogf]  
A168420 17.3861  $-( -7 - 7x + 2x^3 - 8x^2 ) / (x-1) / (x+1) / (2x^2 - 5x - 2)$  lgdogf  
A168420 7.30918  $\{ a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 4, a(1) = 14, a(2) = 14 \}$ ,  
ogf]  
A168427 13.4191  $[ -(20x^3 + 7x^2 + 2x + 1) / (x-1) / (x^2 + 1)$  ogf]  
A168427 14.1786  $-3 * (1 + 4x + 9x^4 - 12x^3 + 18x^2) / (x-1) / (x^2 + 1) / (20x^3 + 7x^2 + 2x + 1)$  lgdogf  
A168427 7.06266  $\{ -a(n+4) + a(n+3) - a(n+2) + a(n+1), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 27 \}$ ,  
ogf]  
A168428 10.3306  $\{ -a(n+3) + a(n+1), a(0) = 1, a(1) = 4, a(2) = 6 \}$ , ogf]  
A168428 17.7096  $[ -(5x^2 + 4x + 1) / (x-1) / (x+1)$  ogf]  
A168428 21.2399  $-4 * (1 + 3x + x^2) / (x-1) / (x+1) / (5x^2 + 4x + 1)$  lgdogf  
A168429 13.5215  $[ -(3x^4 + 9x^3 + 5x^2 + 4x + 1) / (x-1) / (x^4 + x^3 + x^2 + x + 1)$  ogf]  
A168429 8.04377  $-(4 + 10x + 27x^2 + 12x^3 + 5x^4 + 16x^5 + 15x^6 + 18x^7 + 3x^8) / (-1 + x) / (x^4 + x^3 + x^2 + x + 1) / (3x^4 + 9x^3 + 5x^2 + 4x + 1)$  lgdogf  
A168430 11.9046  $-2 * (2 - x + 5x^6 - x^5 + 5x^4 + 14x^2 - 11x^3) / (x-1) / (x+1) / (x^2 - x + 1) / (10x^3 - x^2 + 3x + 1)$  lgdogf  
A168430 13.6923  $[ -(10x^3 - x^2 + 3x + 1) / (x-1) / (x+1) / (x^2 - x + 1)$  ogf]  
A168437 13.4395  $[ -(3x^2 - 10x - 3) / (x+1) / (x-1)^2$  ogf]  
A168437 16.0225  $-( -13 - 13x + 3x^3 - 17x^2 ) / (x-1) / (x+1) / (3x^2 - 10x - 3)$  lgdogf  
A168437 7.30918  $\{ a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 3, a(1) = 13, a(2) = 13 \}$ ,  
ogf]  
A168456 14.8245  $[ 2 * (x^2 + 4) / (x+1) / (x-1)^2$  ogf]  
A168456 22.4007  $-(4 + 14x + x^3 + x^2) / (x-1) / (x+1) / (x^2 + 4)$  lgdogf  
A168456 7.47785  $\{ a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 8, a(1) = 8, a(2) = 18 \}$ ,  
ogf]  
A168457 13.4395  $[ -2 * (x^2 - 5x - 1) / (x+1) / (x-1)^2$  ogf]  
A168457 19.0034  $-( -6 - 6x + x^3 - 9x^2 ) / (x-1) / (x+1) / (x^2 - 5x - 1)$  lgdogf  
A168457 7.30918  $\{ a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 2, a(1) = 12, a(2) = 12 \}$ ,  
ogf]  
A168458 14.8245  $[ (3x^2 + 7) / (x+1) / (x-1)^2$  ogf]  
A168458 19.2750  $-(7 + 27x + 3x^3 + 3x^2) / (x-1) / (x+1) / (3x^2 + 7)$  lgdogf  
A168458 7.47785  $\{ a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 7, a(1) = 7, a(2) = 17 \}$ ,  
ogf]  
A168459 13.4395  $[ -(x^2 - 10x - 1) / (x+1) / (x-1)^2$  ogf]  
A168459 17.3861  $-( -11 - 11x + x^3 - 19x^2 ) / (x-1) / (x+1) / (x^2 - 10x - 1)$  lgdogf  
A168459 7.30918  $\{ a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 1, a(1) = 11, a(2) = 11 \}$ ,  
ogf]  
A168460 14.8245  $[ 2 * (2x^2 + 3) / (x+1) / (x-1)^2$  ogf]  
A168460 19.2750  $-(3 + 13x + 2x^3 + 2x^2) / (x-1) / (x+1) / (2x^2 + 3)$  lgdogf  
A168460 7.47785  $\{ a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 6, a(1) = 6, a(2) = 16 \}$ ,  
ogf]  
A168461 18.0266  $[ 10x / (x+1) / (x-1)^2$  ogf]  
A168461 39.3100  $[[1+x]$  ogf\_with\_Euler\_transform]  
A168461 40.8573  $-(1 + 3x) / (x-1) / (x+1)$  lgdogf  
A168461 7.33825  $\{ -a(n+3) + a(n+2) + a(n+1) - a(n), a(0) = 0, a(1) = 10, a(2) = 10 \}$ ,  
ogf]  
A168463 13.5693  $[ -(5x^2 - 11x - 5) / (x+1) / (x-1)^2$  ogf]  
A168463 16.1803  $-( -16 - 16x + 5x^3 - 17x^2 ) / (x-1) / (x+1) / (5x^2 - 11x - 5)$  lgdogf

A168463 7.37981 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 16, a(2) = 16\}$ , ogf]  
A168465 13.9850 [ $(4*x^2+5*x+2)/(x+1)/(x-1)^2$  ogf]  
A168465 7.11377  $(13+23*x$   
 $+19*x^2-19*x^2-38*x^2+38*x^2+19*x^2-19*x^2-2*x^3+10*x^2)/(x-1)/(x+1)/$   
 $(x^2-x^2-x^2+x^2+2*x^2-6*x-7)$  lgdogf  
A168465 7.54942 [ $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 2, a(1) = 7, a(2) = 13\}$ , ogf]  
A168484 11.3094 [ $(4*x^4+2*x^3+2*x^2+x+2)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A168484 9.28604  $-(3+7*x+12*x^5+12*x^4+31*x^3+11*x^2+8*x^6+4*x^7)/(x-1)/(x+1)/$   
 $(x^2+1)/(4*x^4+2*x^3+2*x^2+x+2)$  lgdogf  
A168486 13.9850 [ $(6*x^2+3*x+2)/(x+1)/(x-1)^2$  ogf]  
A168486 16.5039  $-(-13-19*x+2*x^3-14*x^2)/(x-1)/(x+1)/(2*x^2-8*x-5)$  lgdogf  
A168486 7.54942 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 5, a(2) = 13\}$ , ogf]  
A168489 13.8578 [ $(x^2+4*x+7)/(x+1)/(x-1)^2$  ogf]  
A168489 18.8460  $-(11+27*x+x^3+9*x^2)/(x-1)/(x+1)/(x^2+4*x+7)$  lgdogf  
A168489 7.41512 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 7, a(1) = 11, a(2) = 19\}$ , ogf]  
A168490 10.4143  $1/6+1/3*x-2/3*x^2-1/6*(1-8*x+20*x^2-16*x^3+16*x^4)^{(1/2)}$  revogf  
A168491 110.915  $x*(x+1)$  revogf  
A168491 22.8354  $-2/(1+4*x)^{(1/2)}/(1+(1+4*x)^{(1/2)})$  lgdogf  
A168491 7.14501 [ $\{(-4*n-6)*a(n+1)+(-n-3)*a(n+2), a(0) = 1, a(1) = -1\}$ , ogf]  
A168492 12.9352  $1/8+1/4*x-3/4*x^2-1/8*(1-12*x+40*x^2-24*x^3+36*x^4)^{(1/2)}$  revogf  
A168492 3.67657 [ $\{(-96*n-144)*a(n+1)+(76*n+180)*a(n+2)+(-16*n-58)*a(n+3)+(n$   
 $+5)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 7\}$ , ogf]  
A168494 11.2996  $1/2-1/2*x-3/2*x^2-1/2*(1-6*x+7*x^2+6*x^3+9*x^4)^{(1/2)}$  revogf  
A168503 14.4249  $1/4-3/4*x^2-1/4*(1+18*x^2+9*x^4-8*x)^{(1/2)}$  revogf  
A168505 9.77366  $-1/2+1/2*x+1/2*x^2+1/2*(1+2*x-5*x^2+2*x^3+x^4)^{(1/2)}$  revogf  
A168506 14.6382  $(-2-x^2+x^3+(4+4*x^2-4*x^3+x^4)^{(1/2)})/x^4$  revogf  
A168520 13.4193  $-(-49*x-5+(48*x+5)^{(1/2)}*(10*x+1)^{(1/2)}*5^{(1/2)})/x$  revogf  
A168520 17.4176 [ $10*x/(x^2-98*x+1)$  ogf]  
A168520 29.1725  $-2*(-49+x)/(x^2+1-98*x)$  lgdogf  
A168520 8.18416 [ $\{a(n+2)-98*a(n+1)+a(n), a(0) = 0, a(1) = 10\}$ , ogf]  
A168522 11.0068  $-1/4*(-1-98*x+(1+196*x+9596*x^2)^{(1/2)})/x$  revogf  
A168522 16.7140  $-2*(-49+2*x)/(2*x^2+1-98*x)$  lgdogf  
A168522 18.7558 [ $x/(2*x^2-98*x+1)$  ogf]  
A168522 7.77678 [ $\{a(n+2)-98*a(n+1)+2*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A168526 5.16271 [ $x*(32*x^5+473*x^4+1208*x^3+718*x^2+88*x+1)/(x-1)^8$  ogf]  
A168526 7.27906  $-12*(x+1)*(8*x^4+163*x^3+498*x^2+163*x+8)/(x-1)/$   
 $(32*x^5+473*x^4+1208*x^3+718*x^2+88*x+1)$  lgdogf  
A168527 4.07361 [ $-x*(x+1)*(x^6+150*x^5+2091*x^4+5596*x^3+2091*x^2+150*x+1)/$   
 $(x-1)^9$  ogf]  
A168538 16.3644  $-(-14+16*x+2*x^3-9*x^2)/(x-1)/(x-2)/(x^2-2*x+2)$  lgdogf  
A168538 5.16529 [ $\{(n+6)*a(n+1)+(-2*n-9)*a(n+2)+(n+3)*a(n+3), a(0) = 0, a(1) =$   
 $24, a(2) = 84\}$ , ogf]  
A168538 8.29744 [ $6*x*(x-2)*(x^2-2*x+2)/(x-1)^5$  ogf]  
A168547 10.3572 [ $(5*x^3+11*x^2-x+1)/(x-1)^4$  ogf]  
A168547 16.8747  $-(3+19*x+5*x^3+37*x^2)/(x-1)/(5*x^3+11*x^2-x+1)$  lgdogf  
A168547 4.14290 [ $\{(-493*n^2-2180*n-2388)*a(n+1)+(434*n^2+142*n-1713)*a(n$   
 $+2)+(59*n^2+382*n+615)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 17\}$ , ogf]  
A168555 3.75588 [  
 $x*(224*x^7+7237*x^6+44334*x^5+78095*x^4+43900*x^3+7371*x^2+278*x+1)/(x-1)^{10}$   
ogf]  
A168559 10.3938 [ $x*(x^2-3*x+4)/(x-1)^4$  ogf]  
A168559 22.6525  $-(-13-7*x+2*x^2)/(x-1)/(x^2-3*x+4)$  lgdogf  
A168559 3.79374 [ $\{(12+4*n)*a(n+4)+(-27-7*n)*a(n+3)+(11+4*n)*a(n+2)+(-2-n)*a(n$   
 $+1), a(0) = 0, a(1) = 4, a(2) = 13, a(3) = 29\}$ , ogf]  
A168566 15.9802  $-(-35+12*x+2*x^3-9*x^2)/(x-1)/(x^3-4*x^2+5*x-8)$  lgdogf  
A168566 8.37257 [ $x*(x^3-4*x^2+5*x-8)/(x-1)^5$  ogf]  
A168569 16.9644  $-1/6*(-9-4*x+(81+72*x+4*x^2)^{(1/2)})/x$  revogf

A168569 17.2254 [  $9x/(3x-1)/(x-1)$  ogf]  
A168569 24.1416  $-2*(-2+3x)/(-1+3x)/(x-1)$  lgdogf  
A168569 7.86837 [  $\{a(n+2)-4a(n+1)+3a(n), a(0) = 0, a(1) = 9\}$ , ogf]  
A168571 13.9903  $-1/10*(-25-6x+(625+300x+16x^2)^{(1/2)})/x$  revogf  
A168571 17.3261 [  $25x/(5x-1)/(x-1)$  ogf]  
A168571 23.5037  $-2*(-3+5x)/(5x-1)/(x-1)$  lgdogf  
A168571 8.02917 [  $\{a(n+2)-6a(n+1)+5a(n), a(0) = 0, a(1) = 25\}$ , ogf]  
A168572 12.9418  $-1/14*(-8x-49+(36x^2+784x+2401)^{(1/2)})/x$  revogf  
A168572 16.5553 [  $49x/(7x-1)/(x-1)$  ogf]  
A168572 21.4038  $-2*(-4+7x)/(7x-1)/(-1+x)$  lgdogf  
A168572 7.67199 [  $\{a(n+2)-8a(n+1)+7a(n), a(0) = 0, a(1) = 49\}$ , ogf]  
A168574 10.4045 [  $(x^3+11x^2+3x+1)/(x-1)^4$  ogf]  
A168574 18.1090  $-(x+1)*(x^2+24x+7)/(x-1)/(x^3+11x^2+3x+1)$  lgdogf  
A168574 4.24897 [  $\{(-127n^2-602n-696)a(n+1)+(86n^2-114n-621)a(n+2)+(41n^2+212n+267)a(n+3), a(0) = 1, a(1) = 7, a(2) = 33\}$ , ogf]  
A168575 4.10451 [  $-(1331000x^3-448440x^2+7557x-8)/(x-1)/(100x-1)/(1000x-1)/(10x-1)$  ogf]  
A168579 17.8907  $1/32/x*(-x-1+(65x^2+2x+1)^{(1/2)})$  revogf  
A168579 18.2596 [  $-1/(16x^2+x-1)$  ogf]  
A168579 27.6493  $-(1+32x)/(16x^2-1+x)$  lgdogf  
A168579 7.47984 [  $\{-a(n+2)+a(n+1)+16a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A168582 10.1577  $-(1+3x+x^5+7x^4+16x^3+4x^2)/(-1+x)/(x+1)/(x^4+2x^3+2x^2-2x+1)$  lgdogf  
A168582 7.58686 [  $(x^4+2x^3+2x^2-2x+1)/(x+1)/(x-1)^4$  ogf]  
A168583 11.8544 [  $-(3x^2-2x+1)/(x-1)/(3x-1)/(2x-1)$  ogf]  
A168583 6.44712 [  $\{a(n+3)-6a(n+2)+11a(n+1)-6a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$ , ogf]  
A168583 7.83873  $-2*(2-8x+9x^4-12x^3+11x^2)/(x-1)/(3x-1)/(2x-1)/(3x^2-2x+1)$  lgdogf  
A168584 6.56846  $-(-7+58x-195x^2+396x^3-516x^4+288x^5)/(x-1)/(-1+4x)/(3x-1)/(-1+2x)/(6x^2-3x+1)$  lgdogf  
A168584 8.08752 [  $(6x^2-3x+1)/(x-1)/(3x-1)/(2x-1)/(4x-1)$  ogf]  
A168585 6.44430 [  $-(10x^2-4x+1)/(x-1)/(4x-1)/(3x-1)/(2x-1)/(5x-1)$  ogf]  
A168587 15.1075 [  $x*(x^5-x^4-4x^3+2x^2-2)/(x-1)$  ogf]  
A168587 15.4393  $2*(1-2x+2x^5-4x^4+7x^2-2x^3)/(x-1)/(x^5-x^4-4x^3+2x^2-2)$  lgdogf  
A168589 13.1616 [  $(5x+1)/(x+1)/(3x+1)$  ogf]  
A168589 14.3727  $-1/2*(-1+4x+(1+12x+4x^2)^{(1/2)})/(-5+3x)$  revogf  
A168589 16.2638  $-(-1+6x+15x^2)/(5x+1)/(3x+1)/(x+1)$  lgdogf  
A168589 7.22285 [  $\{a(n+2)+4a(n+1)+3a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A168592 21.9640  $x*(-1+x)^2/(x^2-x+1)/(x+1)^2$  revogf  
A168596 10.5829  $1/2*\ln(2x+15)-\operatorname{arctanh}((26x+196)^{(1/2)})-1/2*\ln(15)+\operatorname{arctanh}(14)$  revegf  
A168596 14.4722 [  $-(15x-14)/(2x-1)/(x-1)$  ogf]  
A168596 16.2616  $-(27-56x+30x^2)/(x-1)/(2x-1)/(15x-14)$  lgdogf  
A168596 8.09756 [  $\{a(n+2)-3a(n+1)+2a(n), a(0) = 14, a(1) = 27\}$ , ogf]  
A168604 23.0982  $-1/4*(-1-3x+(1+6x+x^2)^{(1/2)})/x$  revogf  
A168604 23.5220 [  $1/(2x-1)/(x-1)$  ogf]  
A168604 33.1408  $-(-3+4x)/(2x-1)/(x-1)$  lgdogf  
A168604 9.46616 [  $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A168605 4.91146 [  $\{a(n+4)-6a(n+3)+11a(n+2)-6a(n+1), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 30\}$ , ogf]  
A168605 8.95978  $2*(1-4x+10x^4+7x^2-12x^3)/(x-1)/(-1+3x)/(2x-1)/(2x^3-7x^2+4x-1)$  lgdogf  
A168605 9.40194 [  $(2x^3-7x^2+4x-1)/(x-1)/(3x-1)/(2x-1)$  ogf]  
A168606 6.08471  $-2*(2-20x+451x^4-268x^3+96x^6-360x^5+93x^2)/(x-1)/(4x-1)/(-1+3x)/(2x-1)/(8x^3-15x^2+6x-1)$  lgdogf  
A168606 7.64754 [  $-(8x^3-15x^2+6x-1)/(x-1)/(3x-1)/(2x-1)/(4x-1)$  ogf]  
A168607 14.3356 [  $-(7x-3)/(3x-1)/(x-1)$  ogf]  
A168607 15.4164  $-1/2*(-3-4x+(9-4x+4x^2)^{(1/2)})/(7+3x)$  revogf  
A168607 16.6335  $-(5-18x+21x^2)/(x-1)/(3x-1)/(7x-3)$  lgdogf

A168607 7.86712 [ $\{a(n+2)-4a(n+1)+3a(n), a(0) = 3, a(1) = 5\}$ , ogf]  
A168608 11.8011 [ $\{-a(n+3)+a(n+2), a(0) = 4, a(1) = 9, a(2) = 6\}$ , ogf]  
A168608 22.0287 [ $(3x^2-5x-4)/(x-1)$  ogf]  
A168608 29.4751  $3(3-2x+x^2)/(x-1)/(3x^2-5x-4)$  lgdogf  
A168609 14.0240 [ $-(13x-5)/(3x-1)/(x-1)$  ogf]  
A168609 14.3653  $-1/2*(-5-4x+(25-12x+4x^2)^{1/2})/(13+3x)$  revogf  
A168609 16.2070  $-(7-30x+39x^2)/(13x-5)/(x-1)/(3x-1)$  lgdogf  
A168609 7.86712 [ $\{a(n+2)-4a(n+1)+3a(n), a(0) = 5, a(1) = 7\}$ , ogf]  
A168610 14.0240 [ $-2*(8x-3)/(3x-1)/(x-1)$  ogf]  
A168610 16.2070  $-2*(2-9x+12x^2)/(x-1)/(3x-1)/(8x-3)$  lgdogf  
A168610 17.5575  $-(3-2x+(9-4x+x^2)^{1/2})/(16+3x)$  revogf  
A168610 7.86712 [ $\{a(n+2)-4a(n+1)+3a(n), a(0) = 6, a(1) = 8\}$ , ogf]  
A168611 13.8115  $1/2/(-11+3x)*(-3+4x+(2x+9)*(2x+1))^{1/2}$  revogf  
A168611 13.9532 [ $(11x-3)/(3x-1)/(x-1)$  ogf]  
A168611 15.8832  $-(1-18x+33x^2)/(x-1)/(-1+3x)/(11x-3)$  lgdogf  
A168611 7.82739 [ $\{a(n+2)-4a(n+1)+3a(n), a(0) = -3, a(1) = -1\}$ , ogf]  
A168613 13.9532 [ $2*(7x-2)/(3x-1)/(x-1)$  ogf]  
A168613 15.8832  $-(1-12x+21x^2)/(x-1)/(-1+3x)/(-2+7x)$  lgdogf  
A168613 17.6480  $(-2+2x+(4+6x+x^2)^{1/2})/(-14+3x)$  revogf  
A168613 7.82739 [ $\{a(n+2)-4a(n+1)+3a(n), a(0) = -4, a(1) = -2\}$ , ogf]  
A168614 10.4497  $1/2*\ln(2x+11)-\operatorname{arctanh}(1/5*(2x+36)^{1/2})-1/2*\ln(11)+\operatorname{arctanh}(6/5)$  revogf  
A168614 15.2945 [ $-(11x-6)/(2x-1)/(x-1)$  ogf]  
A168614 17.6842  $-(7-24x+22x^2)/(x-1)/(2x-1)/(11x-6)$  lgdogf  
A168614 8.57982 [ $\{a(n+2)-3a(n+1)+2a(n), a(0) = 6, a(1) = 7\}$ , ogf]  
A168615 12.8767 [ $(7x^2+5x+1)/(3x^2+3x+1)$  ogf]  
A168615 17.2988  $2*(x+1)*(3x+1)/(7x^2+5x+1)/(3x^2+3x+1)$  lgdogf  
A168615 6.69082 [ $\{a(n+3)+3a(n+2)+3a(n+1), a(0) = 1, a(1) = 2, a(2) = -2\}$ , ogf]  
A168616 15.5573 [ $(9x-4)/(2x-1)/(x-1)$  ogf]  
A168616 16.9906  $1/2/(-9+2x)*(-4+3x+(16+12x+x^2)^{1/2})$  revogf  
A168616 18.3319  $-(3-16x+18x^2)/(x-1)/(2x-1)/(9x-4)$  lgdogf  
A168616 8.53755 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = -4, a(1) = -3\}$ , ogf]  
A168617 11.9937 [ $x*(3x-5)/(2x-1)/(x-1)^2$  ogf]  
A168617 17.2676  $-(17-33x+12x^2)/(3x-5)/(x-1)/(2x-1)$  lgdogf  
A168617 6.10394 [ $\{a(n+3)-4a(n+2)+5a(n+1)-2a(n), a(0) = 0, a(1) = 5, a(2) = 17\}$ , ogf]  
A168624 3.57852 [ $\{a(n+3)-111a(n+2)+1110a(n+1)-1000a(n), a(0) = 1, a(1) = 91, a(2) = 9901\}$ , ogf]  
A168624 5.16044  $-(91-400x+910000x^4-40000x^3-75810x^2)/(x-1)/(100x-1)/(10x-1)/(910x^2-20x+1)$  lgdogf  
A168624 6.16300 [ $-(910x^2-20x+1)/(x-1)/(100x-1)/(10x-1)$  ogf]  
A168635 4.29184 [ $-x*(64x^6+1611x^5+7197x^4+8422x^3+2682x^2+183x+1)/(x-1)^9$  ogf]  
A168636 3.62545 [ $x*(x^8+310x^7+7780x^6+44194x^5+76870x^4+44194x^3+7780x^2+310x+1)/(x-1)^{10}$  ogf]  
A168637 12.6051 [ $-x*(x^2-2x-1)/(x-1)/(x^3+x^2-1)$  ogf]  
A168637 13.9283  $-(3+2x^5-6x^4+3x^2-4x^3)/(x-1)/(x^2-2x-1)/(x^3+x^2-1)$  lgdogf  
A168639 11.8531 [ $-x*(x^3-x^2-1)/(x-1)/(x^4+x-1)$  ogf]  
A168639 12.3182  $-(2-4x^6+2x^5+2x^7-6x^4+8x^3-5x^2)/(-1+x)/(x^3-x^2-1)/(x^4+x-1)$  lgdogf  
A168642 13.1528 [ $-(2x+1)^2/(x+1)/(2x-1)$  ogf]  
A168642 22.7788  $-(2x+5)/(2x+1)/(2x-1)/(x+1)$  lgdogf  
A168642 6.76796 [ $\{-a(n+3)+a(n+2)+2a(n+1), a(0) = 1, a(1) = 5, a(2) = 11\}$ , ogf]  
A168648 13.3472 [ $-(2x+1)*(3x+1)/(x+1)/(2x-1)$  ogf]  
A168648 15.0797  $-2*(3+8x+2x^2)/(2x+1)/(2x-1)/(3x+1)/(x+1)$  lgdogf  
A168648 6.86798 [ $\{-a(n+3)+a(n+2)+2a(n+1), a(0) = 1, a(1) = 6, a(2) = 14\}$ , ogf]  
A168650 20.1470 [ $1000/(x-1)^2$  ogf]  
A168650 24.5197  $10x/(50+(2500+10x)^{1/2})^2$  revogf  
A168650 55.3367 [[2] ogf\_with\_Euler\_transform]

A168650 8.24194 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 1000, a(1) = 2000\}$ , ogf]  
A168650 88.8837  $-2/(x-1)$  lgdogf  
A168651 19.5830 [ $10000/(x-1)^2$  ogf]  
A168651 30.9059  $x/(50+(2500+x)^{(1/2)})^2$  revogf  
A168651 55.2041 [[2] ogf\_with\_Euler\_transform]  
A168651 8.05080 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 10000, a(1) = 20000\}$ , ogf]  
A168651 88.8545  $-2/(x-1)$  lgdogf  
A168652 17.3194 [ $100000/(x-1)^2$  ogf]  
A168652 20.1595  $10*x/(500+(250000+10*x)^{(1/2)})^2$  revogf  
A168652 50.0165 [[2] ogf\_with\_Euler\_transform]  
A168652 7.15365 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 100000, a(1) = 200000\}$ , ogf]  
A168652 80.6380  $-2/(x-1)$  lgdogf  
A168668 14.7251 [ $-x*(3*x+7)/(x-1)^3$  ogf]  
A168668 37.6265  $-6*(x+4)/(3*x+7)/(x-1)$  lgdogf  
A168668 7.49404 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 24\}$ , ogf]  
A168670 14.3114 [ $(3*x^2+7*x+1)/(x+1)/(x-1)^2$  ogf]  
A168670 15.7211  $-(-23-37*x+4*x^2+12*x^3)/(x-1)/(x+1)/(12*x^2-4*x-19)$  lgdogf  
A168670 7.72562 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 8, a(2) = 12\}$ , ogf]  
A168671 14.5776 [ $(3*x^2+9*x+1)/(x+1)/(x-1)^2$  ogf]  
A168671 15.6491  $-(-36-44*x+5*x^2+23*x^3)/(x-1)/(x+1)/(23*x^2-9*x-27)$  lgdogf  
A168671 7.80032 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 10, a(2) = 14\}$ , ogf]  
A168672 14.5390 [ $(4*x^2+11*x+2)/(x+1)/(x-1)^2$  ogf]  
A168672 15.2819  $-(-53-75*x+24*x^2+36*x^3)/(x-1)/(x+1)/(36*x^2-6*x-47)$  lgdogf  
A168672 7.90718 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 13, a(2) = 19\}$ , ogf]  
A168673 12.8396 [ $-(x^2+x+1)/(2*x-1)/(x^2-x+1)$  ogf]  
A168673 6.93113 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 4, a(2) = 10\}$ , ogf]  
A168674 15.8438 [ $-2*x*(x-2)/(x-1)/(x^2+x-1)$  ogf]  
A168674 19.6286  $-(3+2*x^3-6*x^2)/(x-2)/(-1+x)/(x^2+x-1)$  lgdogf  
A168674 8.34783 [ $\{-a(n+3)+2*a(n+2)-a(n), a(0) = 0, a(1) = 4, a(2) = 6\}$ , ogf]  
A168675 3.53138 [ $x*(128*x^7+5281*x^6+38454*x^5+78095*x^4+49780*x^3+9327*x^2+374*x+1)/(x-1)^{10}$  ogf]  
A168677 11.1381 [ $-(9*x^7+x^6+x^5+x^4+5*x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A168681 3.41082 [ $(4*x^{16}+x^{15}+2*x^9+2*x^8+2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^{15}-6*x^9+2*x^8-6*x^7+2*x^6-6*x^5+2*x^4-6*x^3+2*x^2-6*x+2)$  ogf]  
A168682 4.11160 [ $(5*x^{16}+x^{15}+2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^{15}-8*x^7+2*x^6-8*x^5+2*x^4-8*x^3+2*x^2-8*x+2)$  ogf]  
A168683 4.69555 [ $(6*x^{16}+x^{15}+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^{15}-10*x^5+2*x^4-10*x^3+2*x^2-10*x+2)$  ogf]  
A168684 6.18223 [ $(7*x^{16}+x^{15}+2*x^3+2*x^2+2*x+2)/(x^{15}-12*x^3+2*x^2-12*x+2)$  ogf]  
A168685 5.96089 [ $(8*x^{16}+x^{15}+2*x^3+2*x^2+2*x+2)/(x^{15}-14*x^3+2*x^2-14*x+2)$  ogf]  
A168686 6.26658 [ $(9*x^{16}+x^{15}+2*x^3+2*x^2+2*x+2)/(x^{15}-16*x^3+2*x^2-16*x+2)$  ogf]  
A168687 8.69948 [ $(10*x^{16}+x^{15}+2*x+2)/(x^{15}-18*x+2)$  ogf]  
A168688 8.40835 [ $(11*x^{16}+x^{15}+2*x+2)/(x^{15}-20*x+2)$  ogf]  
A168689 8.40835 [ $(12*x^{16}+x^{15}+2*x+2)/(x^{15}-22*x+2)$  ogf]  
A168690 13.1968 [ $-(x+1)/(12*x-1)$  ogf]  
A168690 6.77673 [ $\{a(n+2)-12*a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A168691 13.4950 [ $-(x+1)/(13*x-1)$  ogf]  
A168691 6.92988 [ $\{a(n+2)-13*a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A168692 13.8678 [ $-(x+1)/(14*x-1)$  ogf]  
A168692 7.12131 [ $\{a(n+2)-14*a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]

A168693 14.0915 [  $-(x+1)/(15*x-1)$  ogf]  
A168693 7.23618 [  $\{a(n+2)-15*a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A168694 14.4643 [  $-(x+1)/(16*x-1)$  ogf]  
A168694 7.42761 [  $\{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A168695 14.6879 [  $-(x+1)/(17*x-1)$  ogf]  
A168695 7.54246 [  $\{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A168696 13.0604 [  $-(x+1)/(18*x-1)$  ogf]  
A168696 6.70668 [  $\{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A168697 13.2063 [  $-(x+1)/(19*x-1)$  ogf]  
A168697 6.78161 [  $\{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A168698 13.4252 [  $-(x+1)/(20*x-1)$  ogf]  
A168698 6.89401 [  $\{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A168699 13.4981 [  $-(x+1)/(21*x-1)$  ogf]  
A168699 6.93147 [  $\{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A168700 13.8629 [  $-(x+1)/(22*x-1)$  ogf]  
A168700 7.11881 [  $\{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A168701 13.9359 [  $-(x+1)/(23*x-1)$  ogf]  
A168701 7.15628 [  $\{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A168702 14.0818 [  $-(x+1)/(24*x-1)$  ogf]  
A168702 7.23122 [  $\{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A168703 14.2278 [  $-(x+1)/(25*x-1)$  ogf]  
A168703 7.30615 [  $\{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A168704 14.3737 [  $-(x+1)/(26*x-1)$  ogf]  
A168704 7.38108 [  $\{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A168705 14.5926 [  $-(x+1)/(27*x-1)$  ogf]  
A168705 7.49349 [  $\{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A168706 14.6656 [  $-(x+1)/(28*x-1)$  ogf]  
A168706 7.53096 [  $\{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A168707 14.8115 [  $-(x+1)/(29*x-1)$  ogf]  
A168707 7.60589 [  $\{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A168708 14.8844 [  $-(x+1)/(30*x-1)$  ogf]  
A168708 7.64335 [  $\{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A168709 14.8844 [  $-(x+1)/(31*x-1)$  ogf]  
A168709 7.64335 [  $\{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A168710 15.3952 [  $-(x+1)/(32*x-1)$  ogf]  
A168710 7.90562 [  $\{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A168711 15.3952 [  $-(x+1)/(33*x-1)$  ogf]  
A168711 7.90562 [  $\{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A168712 15.3952 [  $-(x+1)/(34*x-1)$  ogf]  
A168712 7.90562 [  $\{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A168713 15.5411 [  $-(x+1)/(35*x-1)$  ogf]  
A168713 7.98057 [  $\{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A168714 13.5403 [  $-(x+1)/(36*x-1)$  ogf]  
A168714 6.95311 [  $\{a(n+2)-36*a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A168715 13.5403 [  $-(x+1)/(37*x-1)$  ogf]  
A168715 6.95311 [  $\{a(n+2)-37*a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A168716 13.6828 [  $-(x+1)/(38*x-1)$  ogf]  
A168716 7.02630 [  $\{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A168717 13.7541 [  $-(x+1)/(39*x-1)$  ogf]  
A168717 7.06289 [  $\{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A168718 13.8966 [  $-(x+1)/(40*x-1)$  ogf]  
A168718 7.13608 [  $\{a(n+2)-40*a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A168719 13.8966 [  $-(x+1)/(41*x-1)$  ogf]  
A168719 7.13608 [  $\{a(n+2)-41*a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A168720 13.9678 [  $-(x+1)/(42*x-1)$  ogf]  
A168720 7.17268 [  $\{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A168721 14.0391 [  $-(x+1)/(43*x-1)$  ogf]  
A168721 7.20927 [  $\{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A168722 14.1816 [  $-(x+1)/(44*x-1)$  ogf]  
A168722 7.28246 [  $\{a(n+2)-44*a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A168723 14.1816 [  $-(x+1)/(45*x-1)$  ogf]

A168723 7.28246 [ {a(n+2)-45\*a(n+1), a(0) = 1, a(1) = 46}, ogf]  
A168724 14.1816 [ -(x+1)/(46\*x-1) ogf]  
A168724 7.28246 [ {a(n+2)-46\*a(n+1), a(0) = 1, a(1) = 47}, ogf]  
A168725 14.4667 [ -(x+1)/(47\*x-1) ogf]  
A168725 7.42884 [ {a(n+2)-47\*a(n+1), a(0) = 1, a(1) = 48}, ogf]  
A168726 14.4667 [ -(x+1)/(48\*x-1) ogf]  
A168726 7.42884 [ {a(n+2)-48\*a(n+1), a(0) = 1, a(1) = 49}, ogf]  
A168727 14.4667 [ -(x+1)/(49\*x-1) ogf]  
A168727 7.42884 [ {a(n+2)-49\*a(n+1), a(0) = 1, a(1) = 50}, ogf]  
A168729 4.09299 [ (4\*x^17+x^16+2\*x^7+2\*x^6+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/  
(x^16-6\*x^7+2\*x^6-6\*x^5+2\*x^4-6\*x^3+2\*x^2-6\*x+2) ogf]  
A168730 5.13950 [ (5\*x^17+x^16+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/  
(x^16-8\*x^5+2\*x^4-8\*x^3+2\*x^2-8\*x+2) ogf]  
A168731 6.27670 [ (6\*x^17+x^16+2\*x^3+2\*x^2+2\*x+2)/(x^16-10\*x^3+2\*x^2-10\*x+2)  
ogf]  
A168732 6.18223 [ (7\*x^17+x^16+2\*x^3+2\*x^2+2\*x+2)/(x^16-12\*x^3+2\*x^2-12\*x+2)  
ogf]  
A168733 8.98718 [ (8\*x^17+x^16+2\*x+2)/(x^16-14\*x+2) ogf]  
A168734 9.44808 [ (9\*x^17+x^16+2\*x+2)/(x^16-16\*x+2) ogf]  
A168735 8.69948 [ (10\*x^17+x^16+2\*x+2)/(x^16-18\*x+2) ogf]  
A168736 14.6040 [ -(x+1)/(10\*x-1) ogf]  
A168736 7.49934 [ {a(n+2)-10\*a(n+1), a(0) = 1, a(1) = 11}, ogf]  
A168737 14.6040 [ -(x+1)/(11\*x-1) ogf]  
A168737 7.49934 [ {a(n+2)-11\*a(n+1), a(0) = 1, a(1) = 12}, ogf]  
A168738 13.1968 [ -(x+1)/(12\*x-1) ogf]  
A168738 6.77673 [ {a(n+2)-12\*a(n+1), a(0) = 1, a(1) = 13}, ogf]  
A168739 13.4950 [ -(x+1)/(13\*x-1) ogf]  
A168739 6.92988 [ {a(n+2)-13\*a(n+1), a(0) = 1, a(1) = 14}, ogf]  
A168740 13.8678 [ -(x+1)/(14\*x-1) ogf]  
A168740 7.12131 [ {a(n+2)-14\*a(n+1), a(0) = 1, a(1) = 15}, ogf]  
A168741 14.0915 [ -(x+1)/(15\*x-1) ogf]  
A168741 7.23618 [ {a(n+2)-15\*a(n+1), a(0) = 1, a(1) = 16}, ogf]  
A168742 14.4643 [ -(x+1)/(16\*x-1) ogf]  
A168742 7.42761 [ {a(n+2)-16\*a(n+1), a(0) = 1, a(1) = 17}, ogf]  
A168743 14.6879 [ -(x+1)/(17\*x-1) ogf]  
A168743 7.54246 [ {a(n+2)-17\*a(n+1), a(0) = 1, a(1) = 18}, ogf]  
A168744 13.0604 [ -(x+1)/(18\*x-1) ogf]  
A168744 6.70668 [ {a(n+2)-18\*a(n+1), a(0) = 1, a(1) = 19}, ogf]  
A168745 13.2063 [ -(x+1)/(19\*x-1) ogf]  
A168745 6.78161 [ {a(n+2)-19\*a(n+1), a(0) = 1, a(1) = 20}, ogf]  
A168746 13.4252 [ -(x+1)/(20\*x-1) ogf]  
A168746 6.89401 [ {a(n+2)-20\*a(n+1), a(0) = 1, a(1) = 21}, ogf]  
A168747 13.4981 [ -(x+1)/(21\*x-1) ogf]  
A168747 6.93147 [ {a(n+2)-21\*a(n+1), a(0) = 1, a(1) = 22}, ogf]  
A168748 13.8629 [ -(x+1)/(22\*x-1) ogf]  
A168748 7.11881 [ {a(n+2)-22\*a(n+1), a(0) = 1, a(1) = 23}, ogf]  
A168749 13.9359 [ -(x+1)/(23\*x-1) ogf]  
A168749 7.15628 [ {a(n+2)-23\*a(n+1), a(0) = 1, a(1) = 24}, ogf]  
A168750 14.0818 [ -(x+1)/(24\*x-1) ogf]  
A168750 7.23122 [ {a(n+2)-24\*a(n+1), a(0) = 1, a(1) = 25}, ogf]  
A168751 14.2278 [ -(x+1)/(25\*x-1) ogf]  
A168751 7.30615 [ {a(n+2)-25\*a(n+1), a(0) = 1, a(1) = 26}, ogf]  
A168752 14.3737 [ -(x+1)/(26\*x-1) ogf]  
A168752 7.38108 [ {a(n+2)-26\*a(n+1), a(0) = 1, a(1) = 27}, ogf]  
A168753 14.5926 [ -(x+1)/(27\*x-1) ogf]  
A168753 7.49349 [ {a(n+2)-27\*a(n+1), a(0) = 1, a(1) = 28}, ogf]  
A168754 14.6656 [ -(x+1)/(28\*x-1) ogf]  
A168754 7.53096 [ {a(n+2)-28\*a(n+1), a(0) = 1, a(1) = 29}, ogf]  
A168755 14.8115 [ -(x+1)/(29\*x-1) ogf]  
A168755 7.60589 [ {a(n+2)-29\*a(n+1), a(0) = 1, a(1) = 30}, ogf]  
A168756 14.8844 [ -(x+1)/(30\*x-1) ogf]

A168756 7.64335 [ {a(n+2)-30\*a(n+1), a(0) = 1, a(1) = 31}, ogf]  
A168757 14.8844 [ -(x+1)/(31\*x-1) ogf]  
A168757 7.64335 [ {a(n+2)-31\*a(n+1), a(0) = 1, a(1) = 32}, ogf]  
A168758 15.3952 [ -(x+1)/(32\*x-1) ogf]  
A168758 7.90562 [ {a(n+2)-32\*a(n+1), a(0) = 1, a(1) = 33}, ogf]  
A168759 15.3952 [ -(x+1)/(33\*x-1) ogf]  
A168759 7.90562 [ {a(n+2)-33\*a(n+1), a(0) = 1, a(1) = 34}, ogf]  
A168760 15.3952 [ -(x+1)/(34\*x-1) ogf]  
A168760 7.90562 [ {a(n+2)-34\*a(n+1), a(0) = 1, a(1) = 35}, ogf]  
A168761 15.5411 [ -(x+1)/(35\*x-1) ogf]  
A168761 7.98057 [ {a(n+2)-35\*a(n+1), a(0) = 1, a(1) = 36}, ogf]  
A168762 13.5403 [ -(x+1)/(36\*x-1) ogf]  
A168762 6.95311 [ {a(n+2)-36\*a(n+1), a(0) = 1, a(1) = 37}, ogf]  
A168763 13.5403 [ -(x+1)/(37\*x-1) ogf]  
A168763 6.95311 [ {a(n+2)-37\*a(n+1), a(0) = 1, a(1) = 38}, ogf]  
A168764 13.6828 [ -(x+1)/(38\*x-1) ogf]  
A168764 7.02630 [ {a(n+2)-38\*a(n+1), a(0) = 1, a(1) = 39}, ogf]  
A168765 13.7541 [ -(x+1)/(39\*x-1) ogf]  
A168765 7.06289 [ {a(n+2)-39\*a(n+1), a(0) = 1, a(1) = 40}, ogf]  
A168766 13.8966 [ -(x+1)/(40\*x-1) ogf]  
A168766 7.13608 [ {a(n+2)-40\*a(n+1), a(0) = 1, a(1) = 41}, ogf]  
A168767 13.8966 [ -(x+1)/(41\*x-1) ogf]  
A168767 7.13608 [ {a(n+2)-41\*a(n+1), a(0) = 1, a(1) = 42}, ogf]  
A168768 13.9678 [ -(x+1)/(42\*x-1) ogf]  
A168768 7.17268 [ {a(n+2)-42\*a(n+1), a(0) = 1, a(1) = 43}, ogf]  
A168769 14.0391 [ -(x+1)/(43\*x-1) ogf]  
A168769 7.20927 [ {a(n+2)-43\*a(n+1), a(0) = 1, a(1) = 44}, ogf]  
A168770 14.1816 [ -(x+1)/(44\*x-1) ogf]  
A168770 7.28246 [ {a(n+2)-44\*a(n+1), a(0) = 1, a(1) = 45}, ogf]  
A168771 14.1816 [ -(x+1)/(45\*x-1) ogf]  
A168771 7.28246 [ {a(n+2)-45\*a(n+1), a(0) = 1, a(1) = 46}, ogf]  
A168772 14.1816 [ -(x+1)/(46\*x-1) ogf]  
A168772 7.28246 [ {a(n+2)-46\*a(n+1), a(0) = 1, a(1) = 47}, ogf]  
A168773 14.4667 [ -(x+1)/(47\*x-1) ogf]  
A168773 7.42884 [ {a(n+2)-47\*a(n+1), a(0) = 1, a(1) = 48}, ogf]  
A168774 14.4667 [ -(x+1)/(48\*x-1) ogf]  
A168774 7.42884 [ {a(n+2)-48\*a(n+1), a(0) = 1, a(1) = 49}, ogf]  
A168775 14.4667 [ -(x+1)/(49\*x-1) ogf]  
A168775 7.42884 [ {a(n+2)-49\*a(n+1), a(0) = 1, a(1) = 50}, ogf]  
A168777 4.09299 [ (4\*x^18+x^17+2\*x^7+2\*x^6+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/  
(x^17-6\*x^7+2\*x^6-6\*x^5+2\*x^4-6\*x^3+2\*x^2-6\*x+2) ogf]  
A168778 5.13950 [ (5\*x^18+x^17+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/  
(x^17-8\*x^5+2\*x^4-8\*x^3+2\*x^2-8\*x+2) ogf]  
A168779 6.27670 [ (6\*x^18+x^17+2\*x^3+2\*x^2+2\*x+2)/(x^17-10\*x^3+2\*x^2-10\*x+2)  
ogf]  
A168780 9.32091 [ (7\*x^18+x^17+2\*x+2)/(x^17-12\*x+2) ogf]  
A168781 8.98718 [ (8\*x^18+x^17+2\*x+2)/(x^17-14\*x+2) ogf]  
A168782 9.44808 [ (9\*x^18+x^17+2\*x+2)/(x^17-16\*x+2) ogf]  
A168783 15.5180 [ -(x+1)/(9\*x-1) ogf]  
A168783 7.86529 [ {a(n+2)-9\*a(n+1), a(0) = 1, a(1) = 10}, ogf]  
A168784 14.6040 [ -(x+1)/(10\*x-1) ogf]  
A168784 7.49934 [ {a(n+2)-10\*a(n+1), a(0) = 1, a(1) = 11}, ogf]  
A168785 14.6040 [ -(x+1)/(11\*x-1) ogf]  
A168785 7.49934 [ {a(n+2)-11\*a(n+1), a(0) = 1, a(1) = 12}, ogf]  
A168786 13.1968 [ -(x+1)/(12\*x-1) ogf]  
A168786 6.77673 [ {a(n+2)-12\*a(n+1), a(0) = 1, a(1) = 13}, ogf]  
A168787 13.4950 [ -(x+1)/(13\*x-1) ogf]  
A168787 6.92988 [ {a(n+2)-13\*a(n+1), a(0) = 1, a(1) = 14}, ogf]  
A168788 13.8678 [ -(x+1)/(14\*x-1) ogf]  
A168788 7.12131 [ {a(n+2)-14\*a(n+1), a(0) = 1, a(1) = 15}, ogf]  
A168789 14.0915 [ -(x+1)/(15\*x-1) ogf]



A168789 7.23618 [ $\{a(n+2)-15a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A168790 14.4643 [ $-(x+1)/(16x-1)$  ogf]  
A168790 7.42761 [ $\{a(n+2)-16a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A168791 14.6879 [ $-(x+1)/(17x-1)$  ogf]  
A168791 7.54246 [ $\{a(n+2)-17a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A168792 13.0604 [ $-(x+1)/(18x-1)$  ogf]  
A168792 6.70668 [ $\{a(n+2)-18a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A168793 13.2063 [ $-(x+1)/(19x-1)$  ogf]  
A168793 6.78161 [ $\{a(n+2)-19a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A168794 13.4252 [ $-(x+1)/(20x-1)$  ogf]  
A168794 6.89401 [ $\{a(n+2)-20a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A168795 13.4981 [ $-(x+1)/(21x-1)$  ogf]  
A168795 6.93147 [ $\{a(n+2)-21a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A168796 13.8629 [ $-(x+1)/(22x-1)$  ogf]  
A168796 7.11881 [ $\{a(n+2)-22a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A168797 13.9359 [ $-(x+1)/(23x-1)$  ogf]  
A168797 7.15628 [ $\{a(n+2)-23a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A168798 14.0818 [ $-(x+1)/(24x-1)$  ogf]  
A168798 7.23122 [ $\{a(n+2)-24a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A168799 14.2278 [ $-(x+1)/(25x-1)$  ogf]  
A168799 7.30615 [ $\{a(n+2)-25a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A168800 14.3737 [ $-(x+1)/(26x-1)$  ogf]  
A168800 7.38108 [ $\{a(n+2)-26a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A168801 14.5926 [ $-(x+1)/(27x-1)$  ogf]  
A168801 7.49349 [ $\{a(n+2)-27a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A168802 14.6656 [ $-(x+1)/(28x-1)$  ogf]  
A168802 7.53096 [ $\{a(n+2)-28a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A168803 14.8115 [ $-(x+1)/(29x-1)$  ogf]  
A168803 7.60589 [ $\{a(n+2)-29a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A168804 14.8844 [ $-(x+1)/(30x-1)$  ogf]  
A168804 7.64335 [ $\{a(n+2)-30a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A168805 14.8844 [ $-(x+1)/(31x-1)$  ogf]  
A168805 7.64335 [ $\{a(n+2)-31a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A168806 15.3952 [ $-(x+1)/(32x-1)$  ogf]  
A168806 7.90562 [ $\{a(n+2)-32a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A168807 15.3952 [ $-(x+1)/(33x-1)$  ogf]  
A168807 7.90562 [ $\{a(n+2)-33a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A168808 15.3952 [ $-(x+1)/(34x-1)$  ogf]  
A168808 7.90562 [ $\{a(n+2)-34a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A168809 15.5411 [ $-(x+1)/(35x-1)$  ogf]  
A168809 7.98057 [ $\{a(n+2)-35a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A168810 13.5403 [ $-(x+1)/(36x-1)$  ogf]  
A168810 6.95311 [ $\{a(n+2)-36a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A168811 13.5403 [ $-(x+1)/(37x-1)$  ogf]  
A168811 6.95311 [ $\{a(n+2)-37a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A168812 13.6828 [ $-(x+1)/(38x-1)$  ogf]  
A168812 7.02630 [ $\{a(n+2)-38a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A168813 13.7541 [ $-(x+1)/(39x-1)$  ogf]  
A168813 7.06289 [ $\{a(n+2)-39a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A168814 13.8966 [ $-(x+1)/(40x-1)$  ogf]  
A168814 7.13608 [ $\{a(n+2)-40a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A168815 13.8966 [ $-(x+1)/(41x-1)$  ogf]  
A168815 7.13608 [ $\{a(n+2)-41a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A168816 13.9678 [ $-(x+1)/(42x-1)$  ogf]  
A168816 7.17268 [ $\{a(n+2)-42a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A168817 14.0391 [ $-(x+1)/(43x-1)$  ogf]  
A168817 7.20927 [ $\{a(n+2)-43a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A168818 14.1816 [ $-(x+1)/(44x-1)$  ogf]  
A168818 7.28246 [ $\{a(n+2)-44a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A168819 14.1816 [ $-(x+1)/(45x-1)$  ogf]  
A168819 7.28246 [ $\{a(n+2)-45a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]

A168820 14.1816 [  $-(x+1)/(46x-1)$  ogf]  
A168820 7.28246 [  $\{a(n+2)-46a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A168821 14.4667 [  $-(x+1)/(47x-1)$  ogf]  
A168821 7.42884 [  $\{a(n+2)-47a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A168822 14.4667 [  $-(x+1)/(48x-1)$  ogf]  
A168822 7.42884 [  $\{a(n+2)-48a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A168823 14.4667 [  $-(x+1)/(49x-1)$  ogf]  
A168823 7.42884 [  $\{a(n+2)-49a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A168825 5.11623 [  $(4x^{19}+x^{18}+2x^5+2x^4+2x^3+2x^2+2x+2)/(x^{18}-6x^5+2x^4-6x^3+2x^2-6x+2)$  ogf]  
A168826 6.85267 [  $(5x^{19}+x^{18}+2x^3+2x^2+2x+2)/(x^{18}-8x^3+2x^2-8x+2)$  ogf]  
A168827 9.46334 [  $(6x^{19}+x^{18}+2x+2)/(x^{18}-10x+2)$  ogf]  
A168828 9.32091 [  $(7x^{19}+x^{18}+2x+2)/(x^{18}-12x+2)$  ogf]  
A168829 15.7883 [  $-(x+1)/(7x-1)$  ogf]  
A168829 8.11343 [  $\{a(n+2)-7a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A168830 16.5980 [  $-(x+1)/(8x-1)$  ogf]  
A168830 8.52951 [  $\{a(n+2)-8a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A168831 15.5180 [  $-(x+1)/(9x-1)$  ogf]  
A168831 7.86529 [  $\{a(n+2)-9a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A168832 14.6040 [  $-(x+1)/(10x-1)$  ogf]  
A168832 7.49934 [  $\{a(n+2)-10a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A168833 14.6040 [  $-(x+1)/(11x-1)$  ogf]  
A168833 7.49934 [  $\{a(n+2)-11a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A168834 13.1968 [  $-(x+1)/(12x-1)$  ogf]  
A168834 6.77673 [  $\{a(n+2)-12a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A168835 13.4950 [  $-(x+1)/(13x-1)$  ogf]  
A168835 6.92988 [  $\{a(n+2)-13a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A168836 13.8678 [  $-(x+1)/(14x-1)$  ogf]  
A168836 7.12131 [  $\{a(n+2)-14a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A168837 14.0915 [  $-(x+1)/(15x-1)$  ogf]  
A168837 7.23618 [  $\{a(n+2)-15a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A168838 14.4643 [  $-(x+1)/(16x-1)$  ogf]  
A168838 7.42761 [  $\{a(n+2)-16a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A168839 14.6879 [  $-(x+1)/(17x-1)$  ogf]  
A168839 7.54246 [  $\{a(n+2)-17a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A168840 13.0604 [  $-(x+1)/(18x-1)$  ogf]  
A168840 6.70668 [  $\{a(n+2)-18a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A168841 13.2063 [  $-(x+1)/(19x-1)$  ogf]  
A168841 6.78161 [  $\{a(n+2)-19a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A168842 13.4252 [  $-(x+1)/(20x-1)$  ogf]  
A168842 6.89401 [  $\{a(n+2)-20a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A168843 13.4981 [  $-(x+1)/(21x-1)$  ogf]  
A168843 6.93147 [  $\{a(n+2)-21a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A168844 13.8629 [  $-(x+1)/(22x-1)$  ogf]  
A168844 7.11881 [  $\{a(n+2)-22a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A168845 13.9359 [  $-(x+1)/(23x-1)$  ogf]  
A168845 7.15628 [  $\{a(n+2)-23a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A168846 14.0818 [  $-(x+1)/(24x-1)$  ogf]  
A168846 7.23122 [  $\{a(n+2)-24a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A168847 14.2278 [  $-(x+1)/(25x-1)$  ogf]  
A168847 7.30615 [  $\{a(n+2)-25a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A168848 14.3737 [  $-(x+1)/(26x-1)$  ogf]  
A168848 7.38108 [  $\{a(n+2)-26a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A168849 14.5926 [  $-(x+1)/(27x-1)$  ogf]  
A168849 7.49349 [  $\{a(n+2)-27a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A168850 14.6656 [  $-(x+1)/(28x-1)$  ogf]  
A168850 7.53096 [  $\{a(n+2)-28a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A168851 14.8115 [  $-(x+1)/(29x-1)$  ogf]  
A168851 7.60589 [  $\{a(n+2)-29a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A168852 14.8844 [  $-(x+1)/(30x-1)$  ogf]  
A168852 7.64335 [  $\{a(n+2)-30a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]

A168853 14.8844 [  $-(x+1)/(31x-1)$  ogf]  
A168853 7.64335 [  $\{a(n+2)-31a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A168854 15.3952 [  $-(x+1)/(32x-1)$  ogf]  
A168854 7.90562 [  $\{a(n+2)-32a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A168855 15.3952 [  $-(x+1)/(33x-1)$  ogf]  
A168855 7.90562 [  $\{a(n+2)-33a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A168856 15.3952 [  $-(x+1)/(34x-1)$  ogf]  
A168856 7.90562 [  $\{a(n+2)-34a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A168857 15.5411 [  $-(x+1)/(35x-1)$  ogf]  
A168857 7.98057 [  $\{a(n+2)-35a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A168858 13.5403 [  $-(x+1)/(36x-1)$  ogf]  
A168858 6.95311 [  $\{a(n+2)-36a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A168859 13.5403 [  $-(x+1)/(37x-1)$  ogf]  
A168859 6.95311 [  $\{a(n+2)-37a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A168860 13.6828 [  $-(x+1)/(38x-1)$  ogf]  
A168860 7.02630 [  $\{a(n+2)-38a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A168861 13.7541 [  $-(x+1)/(39x-1)$  ogf]  
A168861 7.06289 [  $\{a(n+2)-39a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A168862 13.8966 [  $-(x+1)/(40x-1)$  ogf]  
A168862 7.13608 [  $\{a(n+2)-40a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A168863 13.8966 [  $-(x+1)/(41x-1)$  ogf]  
A168863 7.13608 [  $\{a(n+2)-41a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A168864 13.9678 [  $-(x+1)/(42x-1)$  ogf]  
A168864 7.17268 [  $\{a(n+2)-42a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A168865 14.0391 [  $-(x+1)/(43x-1)$  ogf]  
A168865 7.20927 [  $\{a(n+2)-43a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A168866 14.1816 [  $-(x+1)/(44x-1)$  ogf]  
A168866 7.28246 [  $\{a(n+2)-44a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A168867 14.1816 [  $-(x+1)/(45x-1)$  ogf]  
A168867 7.28246 [  $\{a(n+2)-45a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A168868 14.1816 [  $-(x+1)/(46x-1)$  ogf]  
A168868 7.28246 [  $\{a(n+2)-46a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A168869 14.4667 [  $-(x+1)/(47x-1)$  ogf]  
A168869 7.42884 [  $\{a(n+2)-47a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A168870 14.4667 [  $-(x+1)/(48x-1)$  ogf]  
A168870 7.42884 [  $\{a(n+2)-48a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A168871 14.4667 [  $-(x+1)/(49x-1)$  ogf]  
A168871 7.42884 [  $\{a(n+2)-49a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A168873 5.11623 [  $(4x^{20}+x^{19}+2x^5+2x^4+2x^3+2x^2+2x+2)/(x^{19}-6x^5+2x^4-6x^3+2x^2-6x+2)$  ogf]  
A168874 6.85267 [  $(5x^{20}+x^{19}+2x^3+2x^2+2x+2)/(x^{19}-8x^3+2x^2-8x+2)$  ogf]  
A168875 9.46334 [  $(6x^{20}+x^{19}+2x+2)/(x^{19}-10x+2)$  ogf]  
A168876 16.3746 [  $-(x+1)/(-1+6x)$  ogf]  
A168876 8.41471 [  $\{a(n+2)-6a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A168877 15.7883 [  $-(x+1)/(7x-1)$  ogf]  
A168877 8.11343 [  $\{a(n+2)-7a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A168878 16.5980 [  $-(x+1)/(8x-1)$  ogf]  
A168878 8.52951 [  $\{a(n+2)-8a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A168879 15.5180 [  $-(x+1)/(9x-1)$  ogf]  
A168879 7.86529 [  $\{a(n+2)-9a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A168880 14.6040 [  $-(x+1)/(10x-1)$  ogf]  
A168880 7.49934 [  $\{a(n+2)-10a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A168881 14.6040 [  $-(x+1)/(11x-1)$  ogf]  
A168881 7.49934 [  $\{a(n+2)-11a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A168882 13.1968 [  $-(x+1)/(12x-1)$  ogf]  
A168882 6.77673 [  $\{a(n+2)-12a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A168883 13.4950 [  $-(x+1)/(13x-1)$  ogf]  
A168883 6.92988 [  $\{a(n+2)-13a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A168884 13.8678 [  $-(x+1)/(14x-1)$  ogf]  
A168884 7.12131 [  $\{a(n+2)-14a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A168885 14.0915 [  $-(x+1)/(15x-1)$  ogf]

A168885 7.23618 [ $\{a(n+2)-15a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A168886 14.4643 [  $-(x+1)/(16x-1)$  ogf]  
A168886 7.42761 [ $\{a(n+2)-16a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A168887 14.6879 [  $-(x+1)/(17x-1)$  ogf]  
A168887 7.54246 [ $\{a(n+2)-17a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A168888 13.0604 [  $-(x+1)/(18x-1)$  ogf]  
A168888 6.70668 [ $\{a(n+2)-18a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A168889 13.2063 [  $-(x+1)/(19x-1)$  ogf]  
A168889 6.78161 [ $\{a(n+2)-19a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A168890 13.4252 [  $-(x+1)/(20x-1)$  ogf]  
A168890 6.89401 [ $\{a(n+2)-20a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A168891 13.4981 [  $-(x+1)/(21x-1)$  ogf]  
A168891 6.93147 [ $\{a(n+2)-21a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A168892 13.8629 [  $-(x+1)/(22x-1)$  ogf]  
A168892 7.11881 [ $\{a(n+2)-22a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A168893 13.9359 [  $-(x+1)/(23x-1)$  ogf]  
A168893 7.15628 [ $\{a(n+2)-23a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A168894 14.0818 [  $-(x+1)/(24x-1)$  ogf]  
A168894 7.23122 [ $\{a(n+2)-24a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A168895 14.2278 [  $-(x+1)/(25x-1)$  ogf]  
A168895 7.30615 [ $\{a(n+2)-25a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A168896 14.3737 [  $-(x+1)/(26x-1)$  ogf]  
A168896 7.38108 [ $\{a(n+2)-26a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A168897 14.5926 [  $-(x+1)/(27x-1)$  ogf]  
A168897 7.49349 [ $\{a(n+2)-27a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A168898 14.6656 [  $-(x+1)/(28x-1)$  ogf]  
A168898 7.53096 [ $\{a(n+2)-28a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A168899 14.8115 [  $-(x+1)/(29x-1)$  ogf]  
A168899 7.60589 [ $\{a(n+2)-29a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A168900 14.8844 [  $-(x+1)/(30x-1)$  ogf]  
A168900 7.64335 [ $\{a(n+2)-30a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A168901 14.8844 [  $-(x+1)/(31x-1)$  ogf]  
A168901 7.64335 [ $\{a(n+2)-31a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A168902 15.3952 [  $-(x+1)/(32x-1)$  ogf]  
A168902 7.90562 [ $\{a(n+2)-32a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A168903 15.3952 [  $-(x+1)/(33x-1)$  ogf]  
A168903 7.90562 [ $\{a(n+2)-33a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A168904 15.3952 [  $-(x+1)/(34x-1)$  ogf]  
A168904 7.90562 [ $\{a(n+2)-34a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A168905 15.5411 [  $-(x+1)/(35x-1)$  ogf]  
A168905 7.98057 [ $\{a(n+2)-35a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A168906 13.5403 [  $-(x+1)/(36x-1)$  ogf]  
A168906 6.95311 [ $\{a(n+2)-36a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A168907 13.5403 [  $-(x+1)/(37x-1)$  ogf]  
A168907 6.95311 [ $\{a(n+2)-37a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A168908 13.6828 [  $-(x+1)/(38x-1)$  ogf]  
A168908 7.02630 [ $\{a(n+2)-38a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A168909 13.7541 [  $-(x+1)/(39x-1)$  ogf]  
A168909 7.06289 [ $\{a(n+2)-39a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A168910 13.8966 [  $-(x+1)/(40x-1)$  ogf]  
A168910 7.13608 [ $\{a(n+2)-40a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A168911 13.8966 [  $-(x+1)/(41x-1)$  ogf]  
A168911 7.13608 [ $\{a(n+2)-41a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A168912 13.9678 [  $-(x+1)/(42x-1)$  ogf]  
A168912 7.17268 [ $\{a(n+2)-42a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A168913 14.0391 [  $-(x+1)/(43x-1)$  ogf]  
A168913 7.20927 [ $\{a(n+2)-43a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A168914 14.1816 [  $-(x+1)/(44x-1)$  ogf]  
A168914 7.28246 [ $\{a(n+2)-44a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A168915 14.1816 [  $-(x+1)/(45x-1)$  ogf]  
A168915 7.28246 [ $\{a(n+2)-45a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]

A168916 14.1816 [  $-(x+1)/(46x-1)$  ogf]  
A168916 7.28246 [  $\{a(n+2)-46a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A168917 14.4667 [  $-(x+1)/(47x-1)$  ogf]  
A168917 7.42884 [  $\{a(n+2)-47a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A168918 14.4667 [  $-(x+1)/(48x-1)$  ogf]  
A168918 7.42884 [  $\{a(n+2)-48a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A168919 14.4667 [  $-(x+1)/(49x-1)$  ogf]  
A168919 7.42884 [  $\{a(n+2)-49a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A168920 3.71845 [  $(3x^{21}+x^{20}+2x^9+2x^8+2x^7+2x^6+2x^5+2x^4+2x^3+2x^2+2x+2)/(x^{20}-4x^9+2x^8-4x^7+2x^6-4x^5+2x^4-4x^3+2x^2-4x+2)$  ogf]  
A168921 6.82165 [  $(4x^{21}+x^{20}+2x^3+2x^2+2x+2)/(x^{20}-6x^3+2x^2-6x+2)$  ogf]  
A168922 10.2790 [  $(5x^{21}+x^{20}+2x+2)/(x^{20}-8x+2)$  ogf]  
A168923 16.6248 [  $-(x+1)/(5x-1)$  ogf]  
A168923 8.54329 [  $\{a(n+2)-5a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A168924 16.3746 [  $-(x+1)/(-1+6x)$  ogf]  
A168924 8.41471 [  $\{a(n+2)-6a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A168925 15.7883 [  $-(x+1)/(7x-1)$  ogf]  
A168925 8.11343 [  $\{a(n+2)-7a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A168926 16.5980 [  $-(x+1)/(8x-1)$  ogf]  
A168926 8.52951 [  $\{a(n+2)-8a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A168927 15.5180 [  $-(x+1)/(9x-1)$  ogf]  
A168927 7.86529 [  $\{a(n+2)-9a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A168928 14.6040 [  $-(x+1)/(10x-1)$  ogf]  
A168928 7.49934 [  $\{a(n+2)-10a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A168929 14.6040 [  $-(x+1)/(11x-1)$  ogf]  
A168929 7.49934 [  $\{a(n+2)-11a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A168930 13.1968 [  $-(x+1)/(12x-1)$  ogf]  
A168930 6.77673 [  $\{a(n+2)-12a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A168931 13.4950 [  $-(x+1)/(13x-1)$  ogf]  
A168931 6.92988 [  $\{a(n+2)-13a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A168932 13.8678 [  $-(x+1)/(14x-1)$  ogf]  
A168932 7.12131 [  $\{a(n+2)-14a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A168933 14.0915 [  $-(x+1)/(15x-1)$  ogf]  
A168933 7.23618 [  $\{a(n+2)-15a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A168934 14.4643 [  $-(x+1)/(16x-1)$  ogf]  
A168934 7.42761 [  $\{a(n+2)-16a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A168935 14.6879 [  $-(x+1)/(17x-1)$  ogf]  
A168935 7.54246 [  $\{a(n+2)-17a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A168936 13.0604 [  $-(x+1)/(18x-1)$  ogf]  
A168936 6.70668 [  $\{a(n+2)-18a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A168937 13.2063 [  $-(x+1)/(19x-1)$  ogf]  
A168937 6.78161 [  $\{a(n+2)-19a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A168938 13.4252 [  $-(x+1)/(20x-1)$  ogf]  
A168938 6.89401 [  $\{a(n+2)-20a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A168939 13.4981 [  $-(x+1)/(21x-1)$  ogf]  
A168939 6.93147 [  $\{a(n+2)-21a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A168940 13.8629 [  $-(x+1)/(22x-1)$  ogf]  
A168940 7.11881 [  $\{a(n+2)-22a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A168941 13.9359 [  $-(x+1)/(23x-1)$  ogf]  
A168941 7.15628 [  $\{a(n+2)-23a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A168942 14.0818 [  $-(x+1)/(24x-1)$  ogf]  
A168942 7.23122 [  $\{a(n+2)-24a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A168943 14.2278 [  $-(x+1)/(25x-1)$  ogf]  
A168943 7.30615 [  $\{a(n+2)-25a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A168944 14.3737 [  $-(x+1)/(26x-1)$  ogf]  
A168944 7.38108 [  $\{a(n+2)-26a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A168945 14.5926 [  $-(x+1)/(27x-1)$  ogf]  
A168945 7.49349 [  $\{a(n+2)-27a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A168946 14.6656 [  $-(x+1)/(28x-1)$  ogf]  
A168946 7.53096 [  $\{a(n+2)-28a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]

A168947 14.8115 [  $-(x+1)/(29x-1)$  ogf]  
A168947 7.60589 [  $\{a(n+2)-29a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A168948 14.8844 [  $-(x+1)/(30x-1)$  ogf]  
A168948 7.64335 [  $\{a(n+2)-30a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A168949 14.8844 [  $-(x+1)/(31x-1)$  ogf]  
A168949 7.64335 [  $\{a(n+2)-31a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A168950 15.3952 [  $-(x+1)/(32x-1)$  ogf]  
A168950 7.90562 [  $\{a(n+2)-32a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A168951 15.3952 [  $-(x+1)/(33x-1)$  ogf]  
A168951 7.90562 [  $\{a(n+2)-33a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A168952 15.3952 [  $-(x+1)/(34x-1)$  ogf]  
A168952 7.90562 [  $\{a(n+2)-34a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A168953 15.5411 [  $-(x+1)/(35x-1)$  ogf]  
A168953 7.98057 [  $\{a(n+2)-35a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A168954 13.5403 [  $-(x+1)/(36x-1)$  ogf]  
A168954 6.95311 [  $\{a(n+2)-36a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A168955 13.5403 [  $-(x+1)/(37x-1)$  ogf]  
A168955 6.95311 [  $\{a(n+2)-37a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A168956 13.6828 [  $-(x+1)/(38x-1)$  ogf]  
A168956 7.02630 [  $\{a(n+2)-38a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A168957 13.7541 [  $-(x+1)/(39x-1)$  ogf]  
A168957 7.06289 [  $\{a(n+2)-39a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A168958 13.8966 [  $-(x+1)/(40x-1)$  ogf]  
A168958 7.13608 [  $\{a(n+2)-40a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A168959 13.8966 [  $-(x+1)/(41x-1)$  ogf]  
A168959 7.13608 [  $\{a(n+2)-41a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A168960 13.9678 [  $-(x+1)/(42x-1)$  ogf]  
A168960 7.17268 [  $\{a(n+2)-42a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A168961 14.0391 [  $-(x+1)/(43x-1)$  ogf]  
A168961 7.20927 [  $\{a(n+2)-43a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A168962 14.1816 [  $-(x+1)/(44x-1)$  ogf]  
A168962 7.28246 [  $\{a(n+2)-44a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A168963 14.1816 [  $-(x+1)/(45x-1)$  ogf]  
A168963 7.28246 [  $\{a(n+2)-45a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A168964 14.1816 [  $-(x+1)/(46x-1)$  ogf]  
A168964 7.28246 [  $\{a(n+2)-46a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A168965 14.4667 [  $-(x+1)/(47x-1)$  ogf]  
A168965 7.42884 [  $\{a(n+2)-47a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A168966 14.4667 [  $-(x+1)/(48x-1)$  ogf]  
A168966 7.42884 [  $\{a(n+2)-48a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A168967 14.4667 [  $-(x+1)/(49x-1)$  ogf]  
A168967 7.42884 [  $\{a(n+2)-49a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A168968 3.71845 [  $(3x^{22}+x^{21}+2x^9+2x^8+2x^7+2x^6+2x^5+2x^4+2x^3+2x^2+2x+2)/(x^{21}-4x^9+2x^8-4x^7+2x^6-4x^5+2x^4-4x^3+2x^2-4x+2)$  ogf]  
A168969 6.82165 [  $(4x^{22}+x^{21}+2x^3+2x^2+2x+2)/(x^{21}-6x^3+2x^2-6x+2)$  ogf]  
A168970 10.2790 [  $(5x^{22}+x^{21}+2x+2)/(x^{21}-8x+2)$  ogf]  
A168971 16.6248 [  $-(x+1)/(5x-1)$  ogf]  
A168971 8.54329 [  $\{a(n+2)-5a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A168972 16.3746 [  $-(x+1)/(-1+6x)$  ogf]  
A168972 8.41471 [  $\{a(n+2)-6a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A168973 15.7883 [  $-(x+1)/(7x-1)$  ogf]  
A168973 8.11343 [  $\{a(n+2)-7a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A168974 16.5980 [  $-(x+1)/(8x-1)$  ogf]  
A168974 8.52951 [  $\{a(n+2)-8a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A168975 15.5180 [  $-(x+1)/(9x-1)$  ogf]  
A168975 7.86529 [  $\{a(n+2)-9a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A168976 14.6040 [  $-(x+1)/(10x-1)$  ogf]  
A168976 7.49934 [  $\{a(n+2)-10a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A168977 14.6040 [  $-(x+1)/(11x-1)$  ogf]  
A168977 7.49934 [  $\{a(n+2)-11a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]

A168978 13.1968 [  $-(x+1)/(12x-1)$  ogf]  
A168978 6.77673 [  $\{a(n+2)-12a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A168979 13.4950 [  $-(x+1)/(13x-1)$  ogf]  
A168979 6.92988 [  $\{a(n+2)-13a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A168980 13.8678 [  $-(x+1)/(14x-1)$  ogf]  
A168980 7.12131 [  $\{a(n+2)-14a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A168981 14.0915 [  $-(x+1)/(15x-1)$  ogf]  
A168981 7.23618 [  $\{a(n+2)-15a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A168982 14.4643 [  $-(x+1)/(16x-1)$  ogf]  
A168982 7.42761 [  $\{a(n+2)-16a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A168983 14.6879 [  $-(x+1)/(17x-1)$  ogf]  
A168983 7.54246 [  $\{a(n+2)-17a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A168984 13.0604 [  $-(x+1)/(18x-1)$  ogf]  
A168984 6.70668 [  $\{a(n+2)-18a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A168985 13.2063 [  $-(x+1)/(19x-1)$  ogf]  
A168985 6.78161 [  $\{a(n+2)-19a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A168986 13.4252 [  $-(x+1)/(20x-1)$  ogf]  
A168986 6.89401 [  $\{a(n+2)-20a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A168987 13.4981 [  $-(x+1)/(21x-1)$  ogf]  
A168987 6.93147 [  $\{a(n+2)-21a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A168988 13.8629 [  $-(x+1)/(22x-1)$  ogf]  
A168988 7.11881 [  $\{a(n+2)-22a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A168989 13.9359 [  $-(x+1)/(23x-1)$  ogf]  
A168989 7.15628 [  $\{a(n+2)-23a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A168990 14.0818 [  $-(x+1)/(24x-1)$  ogf]  
A168990 7.23122 [  $\{a(n+2)-24a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A168991 14.2278 [  $-(x+1)/(25x-1)$  ogf]  
A168991 7.30615 [  $\{a(n+2)-25a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A168992 14.3737 [  $-(x+1)/(26x-1)$  ogf]  
A168992 7.38108 [  $\{a(n+2)-26a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A168993 14.5926 [  $-(x+1)/(27x-1)$  ogf]  
A168993 7.49349 [  $\{a(n+2)-27a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A168994 14.6656 [  $-(x+1)/(28x-1)$  ogf]  
A168994 7.53096 [  $\{a(n+2)-28a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A168995 14.8115 [  $-(x+1)/(29x-1)$  ogf]  
A168995 7.60589 [  $\{a(n+2)-29a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A168996 14.8844 [  $-(x+1)/(30x-1)$  ogf]  
A168996 7.64335 [  $\{a(n+2)-30a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A168997 14.8844 [  $-(x+1)/(31x-1)$  ogf]  
A168997 7.64335 [  $\{a(n+2)-31a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A168998 15.3952 [  $-(x+1)/(32x-1)$  ogf]  
A168998 7.90562 [  $\{a(n+2)-32a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A168999 15.3952 [  $-(x+1)/(33x-1)$  ogf]  
A168999 7.90562 [  $\{a(n+2)-33a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A169000 15.3952 [  $-(x+1)/(34x-1)$  ogf]  
A169000 7.90562 [  $\{a(n+2)-34a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A169001 15.5411 [  $-(x+1)/(35x-1)$  ogf]  
A169001 7.98057 [  $\{a(n+2)-35a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A169002 13.5403 [  $-(x+1)/(36x-1)$  ogf]  
A169002 6.95311 [  $\{a(n+2)-36a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A169003 13.5403 [  $-(x+1)/(37x-1)$  ogf]  
A169003 6.95311 [  $\{a(n+2)-37a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A169004 13.6828 [  $-(x+1)/(38x-1)$  ogf]  
A169004 7.02630 [  $\{a(n+2)-38a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A169005 13.7541 [  $-(x+1)/(39x-1)$  ogf]  
A169005 7.06289 [  $\{a(n+2)-39a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A169006 13.8966 [  $-(x+1)/(40x-1)$  ogf]  
A169006 7.13608 [  $\{a(n+2)-40a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A169007 13.8966 [  $-(x+1)/(41x-1)$  ogf]  
A169007 7.13608 [  $\{a(n+2)-41a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A169008 13.9678 [  $-(x+1)/(42x-1)$  ogf]

A169008 7.17268 [ {a(n+2)-42\*a(n+1), a(0) = 1, a(1) = 43}, ogf]  
A169009 14.0391 [ -(x+1)/(43\*x-1) ogf]  
A169009 7.20927 [ {a(n+2)-43\*a(n+1), a(0) = 1, a(1) = 44}, ogf]  
A169010 14.1816 [ -(x+1)/(44\*x-1) ogf]  
A169010 7.28246 [ {a(n+2)-44\*a(n+1), a(0) = 1, a(1) = 45}, ogf]  
A169011 14.1816 [ -(x+1)/(45\*x-1) ogf]  
A169011 7.28246 [ {a(n+2)-45\*a(n+1), a(0) = 1, a(1) = 46}, ogf]  
A169012 14.1816 [ -(x+1)/(46\*x-1) ogf]  
A169012 7.28246 [ {a(n+2)-46\*a(n+1), a(0) = 1, a(1) = 47}, ogf]  
A169013 14.4667 [ -(x+1)/(47\*x-1) ogf]  
A169013 7.42884 [ {a(n+2)-47\*a(n+1), a(0) = 1, a(1) = 48}, ogf]  
A169014 14.4667 [ -(x+1)/(48\*x-1) ogf]  
A169014 7.42884 [ {a(n+2)-48\*a(n+1), a(0) = 1, a(1) = 49}, ogf]  
A169015 14.4667 [ -(x+1)/(49\*x-1) ogf]  
A169015 7.42884 [ {a(n+2)-49\*a(n+1), a(0) = 1, a(1) = 50}, ogf]  
A169016 4.46214 [ (3\*x^23+x^22+2\*x^7+2\*x^6+2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+2)/  
(x^22-4\*x^7+2\*x^6-4\*x^5+2\*x^4-4\*x^3+2\*x^2-4\*x+2) ogf]  
A169017 10.2325 [ (4\*x^23+x^22+2\*x+2)/(x^22-6\*x+2) ogf]  
A169018 17.7799 [ -(x+1)/(4\*x-1) ogf]  
A169018 9.13689 [ {a(n+2)-4\*a(n+1), a(0) = 1, a(1) = 5}, ogf]  
A169019 16.6248 [ -(x+1)/(5\*x-1) ogf]  
A169019 8.54329 [ {a(n+2)-5\*a(n+1), a(0) = 1, a(1) = 6}, ogf]  
A169020 16.3746 [ -(x+1)/(-1+6\*x) ogf]  
A169020 8.41471 [ {a(n+2)-6\*a(n+1), a(0) = 1, a(1) = 7}, ogf]  
A169021 15.7883 [ -(x+1)/(7\*x-1) ogf]  
A169021 8.11343 [ {a(n+2)-7\*a(n+1), a(0) = 1, a(1) = 8}, ogf]  
A169022 16.5980 [ -(x+1)/(8\*x-1) ogf]  
A169022 8.52951 [ {a(n+2)-8\*a(n+1), a(0) = 1, a(1) = 9}, ogf]  
A169023 15.5180 [ -(x+1)/(9\*x-1) ogf]  
A169023 7.86529 [ {a(n+2)-9\*a(n+1), a(0) = 1, a(1) = 10}, ogf]  
A169024 14.6040 [ -(x+1)/(10\*x-1) ogf]  
A169024 7.49934 [ {a(n+2)-10\*a(n+1), a(0) = 1, a(1) = 11}, ogf]  
A169025 14.6040 [ -(x+1)/(11\*x-1) ogf]  
A169025 7.49934 [ {a(n+2)-11\*a(n+1), a(0) = 1, a(1) = 12}, ogf]  
A169026 13.1968 [ -(x+1)/(12\*x-1) ogf]  
A169026 6.77673 [ {a(n+2)-12\*a(n+1), a(0) = 1, a(1) = 13}, ogf]  
A169027 13.4950 [ -(x+1)/(13\*x-1) ogf]  
A169027 6.92988 [ {a(n+2)-13\*a(n+1), a(0) = 1, a(1) = 14}, ogf]  
A169028 13.8678 [ -(x+1)/(14\*x-1) ogf]  
A169028 7.12131 [ {a(n+2)-14\*a(n+1), a(0) = 1, a(1) = 15}, ogf]  
A169029 14.0915 [ -(x+1)/(15\*x-1) ogf]  
A169029 7.23618 [ {a(n+2)-15\*a(n+1), a(0) = 1, a(1) = 16}, ogf]  
A169030 14.4643 [ -(x+1)/(16\*x-1) ogf]  
A169030 7.42761 [ {a(n+2)-16\*a(n+1), a(0) = 1, a(1) = 17}, ogf]  
A169031 14.6879 [ -(x+1)/(17\*x-1) ogf]  
A169031 7.54246 [ {a(n+2)-17\*a(n+1), a(0) = 1, a(1) = 18}, ogf]  
A169032 13.0604 [ -(x+1)/(18\*x-1) ogf]  
A169032 6.70668 [ {a(n+2)-18\*a(n+1), a(0) = 1, a(1) = 19}, ogf]  
A169033 13.2063 [ -(x+1)/(19\*x-1) ogf]  
A169033 6.78161 [ {a(n+2)-19\*a(n+1), a(0) = 1, a(1) = 20}, ogf]  
A169034 13.4252 [ -(x+1)/(20\*x-1) ogf]  
A169034 6.89401 [ {a(n+2)-20\*a(n+1), a(0) = 1, a(1) = 21}, ogf]  
A169035 13.4981 [ -(x+1)/(21\*x-1) ogf]  
A169035 6.93147 [ {a(n+2)-21\*a(n+1), a(0) = 1, a(1) = 22}, ogf]  
A169036 13.8629 [ -(x+1)/(22\*x-1) ogf]  
A169036 7.11881 [ {a(n+2)-22\*a(n+1), a(0) = 1, a(1) = 23}, ogf]  
A169037 13.9359 [ -(x+1)/(23\*x-1) ogf]  
A169037 7.15628 [ {a(n+2)-23\*a(n+1), a(0) = 1, a(1) = 24}, ogf]  
A169038 14.0818 [ -(x+1)/(24\*x-1) ogf]  
A169038 7.23122 [ {a(n+2)-24\*a(n+1), a(0) = 1, a(1) = 25}, ogf]  
A169039 14.2278 [ -(x+1)/(25\*x-1) ogf]



A169039 7.30615 [ $\{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A169040 14.3737 [  $-(x+1)/(26*x-1)$  ogf]  
A169040 7.38108 [ $\{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A169041 14.5926 [  $-(x+1)/(27*x-1)$  ogf]  
A169041 7.49349 [ $\{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A169042 14.6656 [  $-(x+1)/(28*x-1)$  ogf]  
A169042 7.53096 [ $\{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A169043 14.8115 [  $-(x+1)/(29*x-1)$  ogf]  
A169043 7.60589 [ $\{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A169044 14.8844 [  $-(x+1)/(30*x-1)$  ogf]  
A169044 7.64335 [ $\{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A169045 14.8844 [  $-(x+1)/(31*x-1)$  ogf]  
A169045 7.64335 [ $\{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A169046 15.3952 [  $-(x+1)/(32*x-1)$  ogf]  
A169046 7.90562 [ $\{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A169047 15.3952 [  $-(x+1)/(33*x-1)$  ogf]  
A169047 7.90562 [ $\{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A169048 15.3952 [  $-(x+1)/(34*x-1)$  ogf]  
A169048 7.90562 [ $\{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A169049 15.5411 [  $-(x+1)/(35*x-1)$  ogf]  
A169049 7.98057 [ $\{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A169050 13.5403 [  $-(x+1)/(36*x-1)$  ogf]  
A169050 6.95311 [ $\{a(n+2)-36*a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A169051 13.5403 [  $-(x+1)/(37*x-1)$  ogf]  
A169051 6.95311 [ $\{a(n+2)-37*a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A169052 13.6828 [  $-(x+1)/(38*x-1)$  ogf]  
A169052 7.02630 [ $\{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A169053 13.7541 [  $-(x+1)/(39*x-1)$  ogf]  
A169053 7.06289 [ $\{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A169054 13.8966 [  $-(x+1)/(40*x-1)$  ogf]  
A169054 7.13608 [ $\{a(n+2)-40*a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A169055 13.8966 [  $-(x+1)/(41*x-1)$  ogf]  
A169055 7.13608 [ $\{a(n+2)-41*a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A169056 13.9678 [  $-(x+1)/(42*x-1)$  ogf]  
A169056 7.17268 [ $\{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A169057 14.0391 [  $-(x+1)/(43*x-1)$  ogf]  
A169057 7.20927 [ $\{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A169058 14.1816 [  $-(x+1)/(44*x-1)$  ogf]  
A169058 7.28246 [ $\{a(n+2)-44*a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A169059 14.1816 [  $-(x+1)/(45*x-1)$  ogf]  
A169059 7.28246 [ $\{a(n+2)-45*a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A169060 14.1816 [  $-(x+1)/(46*x-1)$  ogf]  
A169060 7.28246 [ $\{a(n+2)-46*a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A169061 14.4667 [  $-(x+1)/(47*x-1)$  ogf]  
A169061 7.42884 [ $\{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A169062 14.4667 [  $-(x+1)/(48*x-1)$  ogf]  
A169062 7.42884 [ $\{a(n+2)-48*a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A169063 14.4667 [  $-(x+1)/(49*x-1)$  ogf]  
A169063 7.42884 [ $\{a(n+2)-49*a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A169064 4.46214 [  $(3*x^{24}+x^{23}+2*x^{17}+2*x^{16}+2*x^{15}+2*x^{14}+2*x^{13}+2*x^{12}+2*x^{11}+2*x^{10}+2*x^9+2*x^8+2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^{23}-4*x^{17}+2*x^{16}-4*x^{15}+2*x^{14}-4*x^{13}+2*x^{12}-4*x^{11}+2*x^{10}-4*x^9+2*x^8-4*x^7+2*x^6-4*x^5+2*x^4-4*x^3+2*x^2-4*x+2)$  ogf]  
A169065 10.2325 [  $(4*x^{24}+x^{23}+2*x^{11}+2*x^{10}+2*x^9+2*x^8+2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^{23}-6*x^{11}+2*x^{10}-6*x^9+2*x^8-6*x^7+2*x^6-6*x^5+2*x^4-6*x^3+2*x^2-6*x+2)$  ogf]  
A169066 17.7799 [  $-(x+1)/(4*x-1)$  ogf]  
A169066 9.13689 [ $\{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 5\}$ , ogf]  
A169067 16.6248 [  $-(x+1)/(5*x-1)$  ogf]  
A169067 8.54329 [ $\{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A169068 16.3746 [  $-(x+1)/(-1+6*x)$  ogf]  
A169068 8.41471 [ $\{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A169069 15.7883 [  $-(x+1)/(7*x-1)$  ogf]  
A169069 8.11343 [ $\{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A169070 16.5980 [  $-(x+1)/(8*x-1)$  ogf]

A169070 8.52951 [ $\{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A169071 15.5180 [  $-(x+1)/(9*x-1)$  ogf]  
A169071 7.86529 [ $\{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A169072 14.6040 [  $-(x+1)/(10*x-1)$  ogf]  
A169072 7.49934 [ $\{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A169073 14.6040 [  $-(x+1)/(11*x-1)$  ogf]  
A169073 7.49934 [ $\{a(n+2)-11*a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A169074 13.1968 [  $-(x+1)/(12*x-1)$  ogf]  
A169074 6.77673 [ $\{a(n+2)-12*a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A169075 13.4950 [  $-(x+1)/(13*x-1)$  ogf]  
A169075 6.92988 [ $\{a(n+2)-13*a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A169076 13.8678 [  $-(x+1)/(14*x-1)$  ogf]  
A169076 7.12131 [ $\{a(n+2)-14*a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A169077 14.0915 [  $-(x+1)/(15*x-1)$  ogf]  
A169077 7.23618 [ $\{a(n+2)-15*a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A169078 14.4643 [  $-(x+1)/(16*x-1)$  ogf]  
A169078 7.42761 [ $\{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A169079 14.6879 [  $-(x+1)/(17*x-1)$  ogf]  
A169079 7.54246 [ $\{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A169080 13.0604 [  $-(x+1)/(18*x-1)$  ogf]  
A169080 6.70668 [ $\{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A169081 13.2063 [  $-(x+1)/(19*x-1)$  ogf]  
A169081 6.78161 [ $\{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A169082 13.4252 [  $-(x+1)/(20*x-1)$  ogf]  
A169082 6.89401 [ $\{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A169083 13.4981 [  $-(x+1)/(21*x-1)$  ogf]  
A169083 6.93147 [ $\{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A169084 13.8629 [  $-(x+1)/(22*x-1)$  ogf]  
A169084 7.11881 [ $\{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A169085 13.9359 [  $-(x+1)/(23*x-1)$  ogf]  
A169085 7.15628 [ $\{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A169086 14.0818 [  $-(x+1)/(24*x-1)$  ogf]  
A169086 7.23122 [ $\{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A169087 14.2278 [  $-(x+1)/(25*x-1)$  ogf]  
A169087 7.30615 [ $\{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A169088 14.3737 [  $-(x+1)/(26*x-1)$  ogf]  
A169088 7.38108 [ $\{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A169089 14.5926 [  $-(x+1)/(27*x-1)$  ogf]  
A169089 7.49349 [ $\{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A169090 14.6656 [  $-(x+1)/(28*x-1)$  ogf]  
A169090 7.53096 [ $\{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A169091 14.8115 [  $-(x+1)/(29*x-1)$  ogf]  
A169091 7.60589 [ $\{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A169092 14.8844 [  $-(x+1)/(30*x-1)$  ogf]  
A169092 7.64335 [ $\{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A169093 14.8844 [  $-(x+1)/(31*x-1)$  ogf]  
A169093 7.64335 [ $\{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A169094 15.3952 [  $-(x+1)/(32*x-1)$  ogf]  
A169094 7.90562 [ $\{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A169095 15.3952 [  $-(x+1)/(33*x-1)$  ogf]  
A169095 7.90562 [ $\{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A169096 15.3952 [  $-(x+1)/(34*x-1)$  ogf]  
A169096 7.90562 [ $\{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A169097 15.5411 [  $-(x+1)/(35*x-1)$  ogf]  
A169097 7.98057 [ $\{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A169098 13.5403 [  $-(x+1)/(36*x-1)$  ogf]  
A169098 6.95311 [ $\{a(n+2)-36*a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A169099 13.5403 [  $-(x+1)/(37*x-1)$  ogf]  
A169099 6.95311 [ $\{a(n+2)-37*a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A169100 13.6828 [  $-(x+1)/(38*x-1)$  ogf]  
A169100 7.02630 [ $\{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]

A169101 13.7541 [  $-(x+1)/(39x-1)$  ogf]  
A169101 7.06289 [  $\{a(n+2)-39a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A169102 13.8966 [  $-(x+1)/(40x-1)$  ogf]  
A169102 7.13608 [  $\{a(n+2)-40a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A169103 13.8966 [  $-(x+1)/(41x-1)$  ogf]  
A169103 7.13608 [  $\{a(n+2)-41a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A169104 13.9678 [  $-(x+1)/(42x-1)$  ogf]  
A169104 7.17268 [  $\{a(n+2)-42a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A169105 14.0391 [  $-(x+1)/(43x-1)$  ogf]  
A169105 7.20927 [  $\{a(n+2)-43a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A169106 14.1816 [  $-(x+1)/(44x-1)$  ogf]  
A169106 7.28246 [  $\{a(n+2)-44a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A169107 14.1816 [  $-(x+1)/(45x-1)$  ogf]  
A169107 7.28246 [  $\{a(n+2)-45a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A169108 14.1816 [  $-(x+1)/(46x-1)$  ogf]  
A169108 7.28246 [  $\{a(n+2)-46a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A169109 14.4667 [  $-(x+1)/(47x-1)$  ogf]  
A169109 7.42884 [  $\{a(n+2)-47a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A169110 14.4667 [  $-(x+1)/(48x-1)$  ogf]  
A169110 7.42884 [  $\{a(n+2)-48a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A169111 14.4667 [  $-(x+1)/(49x-1)$  ogf]  
A169111 7.42884 [  $\{a(n+2)-49a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A169112 5.57767 [  $(3x^{25}+x^{24}+2x^5+2x^4+2x^3+2x^2+2x+2)/(x^{24}-4x^5+2x^4-4x^3+2x^2-4x+2)$  ogf]  
A169113 17.6994 [  $-(x+1)/(3x-1)$  ogf]  
A169113 9.09553 [  $\{a(n+2)-3a(n+1), a(0) = 1, a(1) = 4\}$ , ogf]  
A169114 17.7799 [  $-(x+1)/(4x-1)$  ogf]  
A169114 9.13689 [  $\{a(n+2)-4a(n+1), a(0) = 1, a(1) = 5\}$ , ogf]  
A169115 16.6248 [  $-(x+1)/(5x-1)$  ogf]  
A169115 8.54329 [  $\{a(n+2)-5a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A169116 16.3746 [  $-(x+1)/(-1+6x)$  ogf]  
A169116 8.41471 [  $\{a(n+2)-6a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A169117 15.7883 [  $-(x+1)/(7x-1)$  ogf]  
A169117 8.11343 [  $\{a(n+2)-7a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A169118 16.5980 [  $-(x+1)/(8x-1)$  ogf]  
A169118 8.52951 [  $\{a(n+2)-8a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A169119 15.5180 [  $-(x+1)/(9x-1)$  ogf]  
A169119 7.86529 [  $\{a(n+2)-9a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A169120 14.6040 [  $-(x+1)/(10x-1)$  ogf]  
A169120 7.49934 [  $\{a(n+2)-10a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A169121 14.6040 [  $-(x+1)/(11x-1)$  ogf]  
A169121 7.49934 [  $\{a(n+2)-11a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A169122 13.1968 [  $-(x+1)/(12x-1)$  ogf]  
A169122 6.77673 [  $\{a(n+2)-12a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A169123 13.4950 [  $-(x+1)/(13x-1)$  ogf]  
A169123 6.92988 [  $\{a(n+2)-13a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A169124 13.8678 [  $-(x+1)/(14x-1)$  ogf]  
A169124 7.12131 [  $\{a(n+2)-14a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A169125 14.0915 [  $-(x+1)/(15x-1)$  ogf]  
A169125 7.23618 [  $\{a(n+2)-15a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A169126 14.4643 [  $-(x+1)/(16x-1)$  ogf]  
A169126 7.42761 [  $\{a(n+2)-16a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A169127 14.6879 [  $-(x+1)/(17x-1)$  ogf]  
A169127 7.54246 [  $\{a(n+2)-17a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A169128 13.0604 [  $-(x+1)/(18x-1)$  ogf]  
A169128 6.70668 [  $\{a(n+2)-18a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A169129 13.2063 [  $-(x+1)/(19x-1)$  ogf]  
A169129 6.78161 [  $\{a(n+2)-19a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A169130 13.4252 [  $-(x+1)/(20x-1)$  ogf]  
A169130 6.89401 [  $\{a(n+2)-20a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A169131 13.4981 [  $-(x+1)/(21x-1)$  ogf]

A169131 6.93147 [ $\{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A169132 13.8629 [  $-(x+1)/(22*x-1)$  ogf]  
A169132 7.11881 [ $\{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A169133 13.9359 [  $-(x+1)/(23*x-1)$  ogf]  
A169133 7.15628 [ $\{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A169134 14.0818 [  $-(x+1)/(24*x-1)$  ogf]  
A169134 7.23122 [ $\{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A169135 14.2278 [  $-(x+1)/(25*x-1)$  ogf]  
A169135 7.30615 [ $\{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A169136 14.3737 [  $-(x+1)/(26*x-1)$  ogf]  
A169136 7.38108 [ $\{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A169137 14.5926 [  $-(x+1)/(27*x-1)$  ogf]  
A169137 7.49349 [ $\{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A169138 14.6656 [  $-(x+1)/(28*x-1)$  ogf]  
A169138 7.53096 [ $\{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A169139 14.8115 [  $-(x+1)/(29*x-1)$  ogf]  
A169139 7.60589 [ $\{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A169140 14.8844 [  $-(x+1)/(30*x-1)$  ogf]  
A169140 7.64335 [ $\{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A169141 14.8844 [  $-(x+1)/(31*x-1)$  ogf]  
A169141 7.64335 [ $\{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A169142 15.3952 [  $-(x+1)/(32*x-1)$  ogf]  
A169142 7.90562 [ $\{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A169143 15.3952 [  $-(x+1)/(33*x-1)$  ogf]  
A169143 7.90562 [ $\{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A169144 15.3952 [  $-(x+1)/(34*x-1)$  ogf]  
A169144 7.90562 [ $\{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A169145 15.5411 [  $-(x+1)/(35*x-1)$  ogf]  
A169145 7.98057 [ $\{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A169146 13.5403 [  $-(x+1)/(36*x-1)$  ogf]  
A169146 6.95311 [ $\{a(n+2)-36*a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A169147 13.5403 [  $-(x+1)/(37*x-1)$  ogf]  
A169147 6.95311 [ $\{a(n+2)-37*a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A169148 13.6828 [  $-(x+1)/(38*x-1)$  ogf]  
A169148 7.02630 [ $\{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A169149 13.7541 [  $-(x+1)/(39*x-1)$  ogf]  
A169149 7.06289 [ $\{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A169150 13.8966 [  $-(x+1)/(40*x-1)$  ogf]  
A169150 7.13608 [ $\{a(n+2)-40*a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A169151 13.8966 [  $-(x+1)/(41*x-1)$  ogf]  
A169151 7.13608 [ $\{a(n+2)-41*a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A169152 13.9678 [  $-(x+1)/(42*x-1)$  ogf]  
A169152 7.17268 [ $\{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A169153 14.0391 [  $-(x+1)/(43*x-1)$  ogf]  
A169153 7.20927 [ $\{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A169154 14.1816 [  $-(x+1)/(44*x-1)$  ogf]  
A169154 7.28246 [ $\{a(n+2)-44*a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A169155 14.1816 [  $-(x+1)/(45*x-1)$  ogf]  
A169155 7.28246 [ $\{a(n+2)-45*a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A169156 14.1816 [  $-(x+1)/(46*x-1)$  ogf]  
A169156 7.28246 [ $\{a(n+2)-46*a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A169157 14.4667 [  $-(x+1)/(47*x-1)$  ogf]  
A169157 7.42884 [ $\{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A169158 14.4667 [  $-(x+1)/(48*x-1)$  ogf]  
A169158 7.42884 [ $\{a(n+2)-48*a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A169159 14.4667 [  $-(x+1)/(49*x-1)$  ogf]  
A169159 7.42884 [ $\{a(n+2)-49*a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A169160 5.57767 [  $(3*x^26+x^25+2*x^5+2*x^4+2*x^3+2*x^2+2*x+2)/(x^25-4*x^5+2*x^4-4*x^3+2*x^2-4*x+2)$  ogf]  
A169161 17.6994 [  $-(x+1)/(3*x-1)$  ogf]  
A169161 9.09553 [ $\{a(n+2)-3*a(n+1), a(0) = 1, a(1) = 4\}$ , ogf]

A169162 17.7799 [  $-(x+1)/(4*x-1)$  ogf]  
A169162 9.13689 [  $\{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 5\}$ , ogf]  
A169163 16.6248 [  $-(x+1)/(5*x-1)$  ogf]  
A169163 8.54329 [  $\{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A169164 16.3746 [  $-(x+1)/(-1+6*x)$  ogf]  
A169164 8.41471 [  $\{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A169165 15.7883 [  $-(x+1)/(7*x-1)$  ogf]  
A169165 8.11343 [  $\{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A169166 16.5980 [  $-(x+1)/(8*x-1)$  ogf]  
A169166 8.52951 [  $\{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A169167 15.5180 [  $-(x+1)/(9*x-1)$  ogf]  
A169167 7.86529 [  $\{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A169168 14.6040 [  $-(x+1)/(10*x-1)$  ogf]  
A169168 7.49934 [  $\{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A169169 14.6040 [  $-(x+1)/(11*x-1)$  ogf]  
A169169 7.49934 [  $\{a(n+2)-11*a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A169170 13.1968 [  $-(x+1)/(12*x-1)$  ogf]  
A169170 6.77673 [  $\{a(n+2)-12*a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A169171 13.4950 [  $-(x+1)/(13*x-1)$  ogf]  
A169171 6.92988 [  $\{a(n+2)-13*a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A169172 13.8678 [  $-(x+1)/(14*x-1)$  ogf]  
A169172 7.12131 [  $\{a(n+2)-14*a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A169173 14.0915 [  $-(x+1)/(15*x-1)$  ogf]  
A169173 7.23618 [  $\{a(n+2)-15*a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A169174 14.4643 [  $-(x+1)/(16*x-1)$  ogf]  
A169174 7.42761 [  $\{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A169175 14.6879 [  $-(x+1)/(17*x-1)$  ogf]  
A169175 7.54246 [  $\{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A169176 13.0604 [  $-(x+1)/(18*x-1)$  ogf]  
A169176 6.70668 [  $\{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A169177 13.2063 [  $-(x+1)/(19*x-1)$  ogf]  
A169177 6.78161 [  $\{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A169178 13.4252 [  $-(x+1)/(20*x-1)$  ogf]  
A169178 6.89401 [  $\{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A169179 13.4981 [  $-(x+1)/(21*x-1)$  ogf]  
A169179 6.93147 [  $\{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A169180 13.8629 [  $-(x+1)/(22*x-1)$  ogf]  
A169180 7.11881 [  $\{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A169181 13.9359 [  $-(x+1)/(23*x-1)$  ogf]  
A169181 7.15628 [  $\{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A169182 14.0818 [  $-(x+1)/(24*x-1)$  ogf]  
A169182 7.23122 [  $\{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A169183 14.2278 [  $-(x+1)/(25*x-1)$  ogf]  
A169183 7.30615 [  $\{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A169184 14.3737 [  $-(x+1)/(26*x-1)$  ogf]  
A169184 7.38108 [  $\{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A169185 14.5926 [  $-(x+1)/(27*x-1)$  ogf]  
A169185 7.49349 [  $\{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A169186 14.6656 [  $-(x+1)/(28*x-1)$  ogf]  
A169186 7.53096 [  $\{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A169187 14.8115 [  $-(x+1)/(29*x-1)$  ogf]  
A169187 7.60589 [  $\{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A169188 14.8844 [  $-(x+1)/(30*x-1)$  ogf]  
A169188 7.64335 [  $\{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A169189 14.8844 [  $-(x+1)/(31*x-1)$  ogf]  
A169189 7.64335 [  $\{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A169190 15.3952 [  $-(x+1)/(32*x-1)$  ogf]  
A169190 7.90562 [  $\{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A169191 15.3952 [  $-(x+1)/(33*x-1)$  ogf]  
A169191 7.90562 [  $\{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A169192 15.3952 [  $-(x+1)/(34*x-1)$  ogf]

A169192 7.90562 [ {a(n+2)-34\*a(n+1), a(0) = 1, a(1) = 35}, ogf]  
A169193 15.5411 [ -(x+1)/(35\*x-1) ogf]  
A169193 7.98057 [ {a(n+2)-35\*a(n+1), a(0) = 1, a(1) = 36}, ogf]  
A169194 13.5403 [ -(x+1)/(36\*x-1) ogf]  
A169194 6.95311 [ {a(n+2)-36\*a(n+1), a(0) = 1, a(1) = 37}, ogf]  
A169195 13.5403 [ -(x+1)/(37\*x-1) ogf]  
A169195 6.95311 [ {a(n+2)-37\*a(n+1), a(0) = 1, a(1) = 38}, ogf]  
A169196 13.6828 [ -(x+1)/(38\*x-1) ogf]  
A169196 7.02630 [ {a(n+2)-38\*a(n+1), a(0) = 1, a(1) = 39}, ogf]  
A169197 13.7541 [ -(x+1)/(39\*x-1) ogf]  
A169197 7.06289 [ {a(n+2)-39\*a(n+1), a(0) = 1, a(1) = 40}, ogf]  
A169198 13.8966 [ -(x+1)/(40\*x-1) ogf]  
A169198 7.13608 [ {a(n+2)-40\*a(n+1), a(0) = 1, a(1) = 41}, ogf]  
A169199 13.8966 [ -(x+1)/(41\*x-1) ogf]  
A169199 7.13608 [ {a(n+2)-41\*a(n+1), a(0) = 1, a(1) = 42}, ogf]  
A169200 13.9678 [ -(x+1)/(42\*x-1) ogf]  
A169200 7.17268 [ {a(n+2)-42\*a(n+1), a(0) = 1, a(1) = 43}, ogf]  
A169201 14.0391 [ -(x+1)/(43\*x-1) ogf]  
A169201 7.20927 [ {a(n+2)-43\*a(n+1), a(0) = 1, a(1) = 44}, ogf]  
A169202 14.1816 [ -(x+1)/(44\*x-1) ogf]  
A169202 7.28246 [ {a(n+2)-44\*a(n+1), a(0) = 1, a(1) = 45}, ogf]  
A169203 14.1816 [ -(x+1)/(45\*x-1) ogf]  
A169203 7.28246 [ {a(n+2)-45\*a(n+1), a(0) = 1, a(1) = 46}, ogf]  
A169204 14.1816 [ -(x+1)/(46\*x-1) ogf]  
A169204 7.28246 [ {a(n+2)-46\*a(n+1), a(0) = 1, a(1) = 47}, ogf]  
A169205 14.4667 [ -(x+1)/(47\*x-1) ogf]  
A169205 7.42884 [ {a(n+2)-47\*a(n+1), a(0) = 1, a(1) = 48}, ogf]  
A169206 14.4667 [ -(x+1)/(48\*x-1) ogf]  
A169206 7.42884 [ {a(n+2)-48\*a(n+1), a(0) = 1, a(1) = 49}, ogf]  
A169207 14.4667 [ -(x+1)/(49\*x-1) ogf]  
A169207 7.42884 [ {a(n+2)-49\*a(n+1), a(0) = 1, a(1) = 50}, ogf]  
A169208 7.43690 [ (3\*x^27+x^26+2\*x^3+2\*x^2+2\*x+2)/(x^26-4\*x^3+2\*x^2-4\*x+2) ogf]  
A169209 17.6994 [ -(x+1)/(3\*x-1) ogf]  
A169209 9.09553 [ {a(n+2)-3\*a(n+1), a(0) = 1, a(1) = 4}, ogf]  
A169210 17.7799 [ -(x+1)/(4\*x-1) ogf]  
A169210 9.13689 [ {a(n+2)-4\*a(n+1), a(0) = 1, a(1) = 5}, ogf]  
A169211 16.6248 [ -(x+1)/(5\*x-1) ogf]  
A169211 8.54329 [ {a(n+2)-5\*a(n+1), a(0) = 1, a(1) = 6}, ogf]  
A169212 16.3746 [ -(x+1)/(-1+6\*x) ogf]  
A169212 8.41471 [ {a(n+2)-6\*a(n+1), a(0) = 1, a(1) = 7}, ogf]  
A169213 15.7883 [ -(x+1)/(7\*x-1) ogf]  
A169213 8.11343 [ {a(n+2)-7\*a(n+1), a(0) = 1, a(1) = 8}, ogf]  
A169214 16.5980 [ -(x+1)/(8\*x-1) ogf]  
A169214 8.52951 [ {a(n+2)-8\*a(n+1), a(0) = 1, a(1) = 9}, ogf]  
A169215 15.5180 [ -(x+1)/(9\*x-1) ogf]  
A169215 7.86529 [ {a(n+2)-9\*a(n+1), a(0) = 1, a(1) = 10}, ogf]  
A169216 14.6040 [ -(x+1)/(10\*x-1) ogf]  
A169216 7.49934 [ {a(n+2)-10\*a(n+1), a(0) = 1, a(1) = 11}, ogf]  
A169217 14.6040 [ -(x+1)/(11\*x-1) ogf]  
A169217 7.49934 [ {a(n+2)-11\*a(n+1), a(0) = 1, a(1) = 12}, ogf]  
A169218 13.1968 [ -(x+1)/(12\*x-1) ogf]  
A169218 6.77673 [ {a(n+2)-12\*a(n+1), a(0) = 1, a(1) = 13}, ogf]  
A169219 13.4950 [ -(x+1)/(13\*x-1) ogf]  
A169219 6.92988 [ {a(n+2)-13\*a(n+1), a(0) = 1, a(1) = 14}, ogf]  
A169220 13.8678 [ -(x+1)/(14\*x-1) ogf]  
A169220 7.12131 [ {a(n+2)-14\*a(n+1), a(0) = 1, a(1) = 15}, ogf]  
A169221 14.0915 [ -(x+1)/(15\*x-1) ogf]  
A169221 7.23618 [ {a(n+2)-15\*a(n+1), a(0) = 1, a(1) = 16}, ogf]  
A169222 14.4643 [ -(x+1)/(16\*x-1) ogf]  
A169222 7.42761 [ {a(n+2)-16\*a(n+1), a(0) = 1, a(1) = 17}, ogf]  
A169223 14.6879 [ -(x+1)/(17\*x-1) ogf]

A169223 7.54246 [ $\{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A169224 13.0604 [  $-(x+1)/(18*x-1)$  ogf]  
A169224 6.70668 [ $\{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A169225 13.2063 [  $-(x+1)/(19*x-1)$  ogf]  
A169225 6.78161 [ $\{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A169226 13.4252 [  $-(x+1)/(20*x-1)$  ogf]  
A169226 6.89401 [ $\{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A169227 13.4981 [  $-(x+1)/(21*x-1)$  ogf]  
A169227 6.93147 [ $\{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A169228 13.8629 [  $-(x+1)/(22*x-1)$  ogf]  
A169228 7.11881 [ $\{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A169229 13.9359 [  $-(x+1)/(23*x-1)$  ogf]  
A169229 7.15628 [ $\{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A169230 14.0818 [  $-(x+1)/(24*x-1)$  ogf]  
A169230 7.23122 [ $\{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A169231 14.2278 [  $-(x+1)/(25*x-1)$  ogf]  
A169231 7.30615 [ $\{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A169232 14.3737 [  $-(x+1)/(26*x-1)$  ogf]  
A169232 7.38108 [ $\{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A169233 14.5926 [  $-(x+1)/(27*x-1)$  ogf]  
A169233 7.49349 [ $\{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A169234 14.6656 [  $-(x+1)/(28*x-1)$  ogf]  
A169234 7.53096 [ $\{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A169235 14.8115 [  $-(x+1)/(29*x-1)$  ogf]  
A169235 7.60589 [ $\{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A169236 14.8844 [  $-(x+1)/(30*x-1)$  ogf]  
A169236 7.64335 [ $\{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A169237 14.8844 [  $-(x+1)/(31*x-1)$  ogf]  
A169237 7.64335 [ $\{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A169238 15.3952 [  $-(x+1)/(32*x-1)$  ogf]  
A169238 7.90562 [ $\{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A169239 15.3952 [  $-(x+1)/(33*x-1)$  ogf]  
A169239 7.90562 [ $\{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A169240 15.3952 [  $-(x+1)/(34*x-1)$  ogf]  
A169240 7.90562 [ $\{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A169241 15.5411 [  $-(x+1)/(35*x-1)$  ogf]  
A169241 7.98057 [ $\{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A169242 13.5403 [  $-(x+1)/(36*x-1)$  ogf]  
A169242 6.95311 [ $\{a(n+2)-36*a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A169243 13.5403 [  $-(x+1)/(37*x-1)$  ogf]  
A169243 6.95311 [ $\{a(n+2)-37*a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A169244 13.6828 [  $-(x+1)/(38*x-1)$  ogf]  
A169244 7.02630 [ $\{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A169245 13.7541 [  $-(x+1)/(39*x-1)$  ogf]  
A169245 7.06289 [ $\{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A169246 13.8966 [  $-(x+1)/(40*x-1)$  ogf]  
A169246 7.13608 [ $\{a(n+2)-40*a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A169247 13.8966 [  $-(x+1)/(41*x-1)$  ogf]  
A169247 7.13608 [ $\{a(n+2)-41*a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A169248 13.9678 [  $-(x+1)/(42*x-1)$  ogf]  
A169248 7.17268 [ $\{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A169249 14.0391 [  $-(x+1)/(43*x-1)$  ogf]  
A169249 7.20927 [ $\{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A169250 14.1816 [  $-(x+1)/(44*x-1)$  ogf]  
A169250 7.28246 [ $\{a(n+2)-44*a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A169251 14.1816 [  $-(x+1)/(45*x-1)$  ogf]  
A169251 7.28246 [ $\{a(n+2)-45*a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A169252 14.1816 [  $-(x+1)/(46*x-1)$  ogf]  
A169252 7.28246 [ $\{a(n+2)-46*a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A169253 14.4667 [  $-(x+1)/(47*x-1)$  ogf]  
A169253 7.42884 [ $\{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]

A169254 14.4667 [  $-(x+1)/(48x-1)$  ogf]  
A169254 7.42884 [  $\{a(n+2)-48a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A169255 14.4667 [  $-(x+1)/(49x-1)$  ogf]  
A169255 7.42884 [  $\{a(n+2)-49a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A169256 7.43690 [  $(3x^{28}+x^{27}+2x^3+2x^2+2x+2)/(x^{27}-4x^3+2x^2-4x+2)$  ogf]  
A169257 17.6994 [  $-(x+1)/(3x-1)$  ogf]  
A169257 9.09553 [  $\{a(n+2)-3a(n+1), a(0) = 1, a(1) = 4\}$ , ogf]  
A169258 17.7799 [  $-(x+1)/(4x-1)$  ogf]  
A169258 9.13689 [  $\{a(n+2)-4a(n+1), a(0) = 1, a(1) = 5\}$ , ogf]  
A169259 16.6248 [  $-(x+1)/(5x-1)$  ogf]  
A169259 8.54329 [  $\{a(n+2)-5a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A169260 16.3746 [  $-(x+1)/(-1+6x)$  ogf]  
A169260 8.41471 [  $\{a(n+2)-6a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A169261 15.7883 [  $-(x+1)/(7x-1)$  ogf]  
A169261 8.11343 [  $\{a(n+2)-7a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A169262 16.5980 [  $-(x+1)/(8x-1)$  ogf]  
A169262 8.52951 [  $\{a(n+2)-8a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A169263 15.5180 [  $-(x+1)/(9x-1)$  ogf]  
A169263 7.86529 [  $\{a(n+2)-9a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A169264 14.6040 [  $-(x+1)/(10x-1)$  ogf]  
A169264 7.49934 [  $\{a(n+2)-10a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A169265 14.6040 [  $-(x+1)/(11x-1)$  ogf]  
A169265 7.49934 [  $\{a(n+2)-11a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A169266 13.1968 [  $-(x+1)/(12x-1)$  ogf]  
A169266 6.77673 [  $\{a(n+2)-12a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A169267 13.4950 [  $-(x+1)/(13x-1)$  ogf]  
A169267 6.92988 [  $\{a(n+2)-13a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A169268 13.8678 [  $-(x+1)/(14x-1)$  ogf]  
A169268 7.12131 [  $\{a(n+2)-14a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A169269 14.0915 [  $-(x+1)/(15x-1)$  ogf]  
A169269 7.23618 [  $\{a(n+2)-15a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A169270 14.4643 [  $-(x+1)/(16x-1)$  ogf]  
A169270 7.42761 [  $\{a(n+2)-16a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A169271 14.6879 [  $-(x+1)/(17x-1)$  ogf]  
A169271 7.54246 [  $\{a(n+2)-17a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A169272 13.0604 [  $-(x+1)/(18x-1)$  ogf]  
A169272 6.70668 [  $\{a(n+2)-18a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A169273 13.2063 [  $-(x+1)/(19x-1)$  ogf]  
A169273 6.78161 [  $\{a(n+2)-19a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A169274 13.4252 [  $-(x+1)/(20x-1)$  ogf]  
A169274 6.89401 [  $\{a(n+2)-20a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A169275 13.4981 [  $-(x+1)/(21x-1)$  ogf]  
A169275 6.93147 [  $\{a(n+2)-21a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A169276 13.8629 [  $-(x+1)/(22x-1)$  ogf]  
A169276 7.11881 [  $\{a(n+2)-22a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A169277 13.9359 [  $-(x+1)/(23x-1)$  ogf]  
A169277 7.15628 [  $\{a(n+2)-23a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A169278 14.0818 [  $-(x+1)/(24x-1)$  ogf]  
A169278 7.23122 [  $\{a(n+2)-24a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A169279 14.2278 [  $-(x+1)/(25x-1)$  ogf]  
A169279 7.30615 [  $\{a(n+2)-25a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A169280 14.3737 [  $-(x+1)/(26x-1)$  ogf]  
A169280 7.38108 [  $\{a(n+2)-26a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A169281 14.5926 [  $-(x+1)/(27x-1)$  ogf]  
A169281 7.49349 [  $\{a(n+2)-27a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A169282 14.6656 [  $-(x+1)/(28x-1)$  ogf]  
A169282 7.53096 [  $\{a(n+2)-28a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A169283 14.8115 [  $-(x+1)/(29x-1)$  ogf]  
A169283 7.60589 [  $\{a(n+2)-29a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A169284 14.8844 [  $-(x+1)/(30x-1)$  ogf]  
A169284 7.64335 [  $\{a(n+2)-30a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]



A169285 14.8844 [  $-(x+1)/(31*x-1)$  ogf]  
A169285 7.64335 [  $\{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A169286 15.3952 [  $-(x+1)/(32*x-1)$  ogf]  
A169286 7.90562 [  $\{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A169287 15.3952 [  $-(x+1)/(33*x-1)$  ogf]  
A169287 7.90562 [  $\{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A169288 15.3952 [  $-(x+1)/(34*x-1)$  ogf]  
A169288 7.90562 [  $\{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A169289 15.5411 [  $-(x+1)/(35*x-1)$  ogf]  
A169289 7.98057 [  $\{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A169290 13.5403 [  $-(x+1)/(36*x-1)$  ogf]  
A169290 6.95311 [  $\{a(n+2)-36*a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A169291 13.5403 [  $-(x+1)/(37*x-1)$  ogf]  
A169291 6.95311 [  $\{a(n+2)-37*a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A169292 13.6828 [  $-(x+1)/(38*x-1)$  ogf]  
A169292 7.02630 [  $\{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A169293 13.7541 [  $-(x+1)/(39*x-1)$  ogf]  
A169293 7.06289 [  $\{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A169294 13.8966 [  $-(x+1)/(40*x-1)$  ogf]  
A169294 7.13608 [  $\{a(n+2)-40*a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A169295 13.8966 [  $-(x+1)/(41*x-1)$  ogf]  
A169295 7.13608 [  $\{a(n+2)-41*a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A169296 13.9678 [  $-(x+1)/(42*x-1)$  ogf]  
A169296 7.17268 [  $\{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A169297 14.0391 [  $-(x+1)/(43*x-1)$  ogf]  
A169297 7.20927 [  $\{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A169298 14.1816 [  $-(x+1)/(44*x-1)$  ogf]  
A169298 7.28246 [  $\{a(n+2)-44*a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A169299 14.1816 [  $-(x+1)/(45*x-1)$  ogf]  
A169299 7.28246 [  $\{a(n+2)-45*a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A169300 14.1816 [  $-(x+1)/(46*x-1)$  ogf]  
A169300 7.28246 [  $\{a(n+2)-46*a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A169301 14.4667 [  $-(x+1)/(47*x-1)$  ogf]  
A169301 7.42884 [  $\{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A169302 14.4667 [  $-(x+1)/(48*x-1)$  ogf]  
A169302 7.42884 [  $\{a(n+2)-48*a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A169303 14.4667 [  $-(x+1)/(49*x-1)$  ogf]  
A169303 7.42884 [  $\{a(n+2)-49*a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A169304 11.1553 [  $(3*x^{29}+x^{28}+2*x+2)/(x^{28}-4*x+2)$  ogf]  
A169305 17.6994 [  $-(x+1)/(3*x-1)$  ogf]  
A169305 9.09553 [  $\{a(n+2)-3*a(n+1), a(0) = 1, a(1) = 4\}$ , ogf]  
A169306 17.7799 [  $-(x+1)/(4*x-1)$  ogf]  
A169306 9.13689 [  $\{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 5\}$ , ogf]  
A169307 16.6248 [  $-(x+1)/(5*x-1)$  ogf]  
A169307 8.54329 [  $\{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A169308 16.3746 [  $-(x+1)/(-1+6*x)$  ogf]  
A169308 8.41471 [  $\{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A169309 15.7883 [  $-(x+1)/(7*x-1)$  ogf]  
A169309 8.11343 [  $\{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A169310 16.5980 [  $-(x+1)/(8*x-1)$  ogf]  
A169310 8.52951 [  $\{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A169311 15.5180 [  $-(x+1)/(9*x-1)$  ogf]  
A169311 7.86529 [  $\{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A169312 14.6040 [  $-(x+1)/(10*x-1)$  ogf]  
A169312 7.49934 [  $\{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A169313 14.6040 [  $-(x+1)/(11*x-1)$  ogf]  
A169313 7.49934 [  $\{a(n+2)-11*a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A169314 13.1968 [  $-(x+1)/(12*x-1)$  ogf]  
A169314 6.77673 [  $\{a(n+2)-12*a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A169315 13.4950 [  $-(x+1)/(13*x-1)$  ogf]  
A169315 6.92988 [  $\{a(n+2)-13*a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]

A169316 13.8678 [  $-(x+1)/(14*x-1)$  ogf]  
A169316 7.12131 [  $\{a(n+2)-14*a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A169317 14.0915 [  $-(x+1)/(15*x-1)$  ogf]  
A169317 7.23618 [  $\{a(n+2)-15*a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A169318 14.4643 [  $-(x+1)/(16*x-1)$  ogf]  
A169318 7.42761 [  $\{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A169319 14.6879 [  $-(x+1)/(17*x-1)$  ogf]  
A169319 7.54246 [  $\{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A169320 13.0604 [  $-(x+1)/(18*x-1)$  ogf]  
A169320 6.70668 [  $\{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A169321 13.2063 [  $-(x+1)/(19*x-1)$  ogf]  
A169321 6.78161 [  $\{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A169322 13.4252 [  $-(x+1)/(20*x-1)$  ogf]  
A169322 6.89401 [  $\{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A169323 13.4981 [  $-(x+1)/(21*x-1)$  ogf]  
A169323 6.93147 [  $\{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A169324 13.8629 [  $-(x+1)/(22*x-1)$  ogf]  
A169324 7.11881 [  $\{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A169325 13.9359 [  $-(x+1)/(23*x-1)$  ogf]  
A169325 7.15628 [  $\{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A169326 14.0818 [  $-(x+1)/(24*x-1)$  ogf]  
A169326 7.23122 [  $\{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A169327 14.2278 [  $-(x+1)/(25*x-1)$  ogf]  
A169327 7.30615 [  $\{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A169328 14.3737 [  $-(x+1)/(26*x-1)$  ogf]  
A169328 7.38108 [  $\{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A169329 14.5926 [  $-(x+1)/(27*x-1)$  ogf]  
A169329 7.49349 [  $\{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A169330 14.6656 [  $-(x+1)/(28*x-1)$  ogf]  
A169330 7.53096 [  $\{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A169331 14.8115 [  $-(x+1)/(29*x-1)$  ogf]  
A169331 7.60589 [  $\{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A169332 14.8844 [  $-(x+1)/(30*x-1)$  ogf]  
A169332 7.64335 [  $\{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A169333 14.8844 [  $-(x+1)/(31*x-1)$  ogf]  
A169333 7.64335 [  $\{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A169334 15.3952 [  $-(x+1)/(32*x-1)$  ogf]  
A169334 7.90562 [  $\{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A169335 15.3952 [  $-(x+1)/(33*x-1)$  ogf]  
A169335 7.90562 [  $\{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A169336 15.3952 [  $-(x+1)/(34*x-1)$  ogf]  
A169336 7.90562 [  $\{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A169337 15.5411 [  $-(x+1)/(35*x-1)$  ogf]  
A169337 7.98057 [  $\{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A169338 13.5403 [  $-(x+1)/(36*x-1)$  ogf]  
A169338 6.95311 [  $\{a(n+2)-36*a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A169339 13.5403 [  $-(x+1)/(37*x-1)$  ogf]  
A169339 6.95311 [  $\{a(n+2)-37*a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A169340 13.6828 [  $-(x+1)/(38*x-1)$  ogf]  
A169340 7.02630 [  $\{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A169341 13.7541 [  $-(x+1)/(39*x-1)$  ogf]  
A169341 7.06289 [  $\{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A169342 13.8966 [  $-(x+1)/(40*x-1)$  ogf]  
A169342 7.13608 [  $\{a(n+2)-40*a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A169343 13.8966 [  $-(x+1)/(41*x-1)$  ogf]  
A169343 7.13608 [  $\{a(n+2)-41*a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A169344 13.9678 [  $-(x+1)/(42*x-1)$  ogf]  
A169344 7.17268 [  $\{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A169345 14.0391 [  $-(x+1)/(43*x-1)$  ogf]  
A169345 7.20927 [  $\{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A169346 14.1816 [  $-(x+1)/(44*x-1)$  ogf]

A169346 7.28246 [ $\{a(n+2)-44*a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A169347 14.1816 [  $-(x+1)/(45*x-1)$  ogf]  
A169347 7.28246 [ $\{a(n+2)-45*a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A169348 14.1816 [  $-(x+1)/(46*x-1)$  ogf]  
A169348 7.28246 [ $\{a(n+2)-46*a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A169349 14.4667 [  $-(x+1)/(47*x-1)$  ogf]  
A169349 7.42884 [ $\{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A169350 14.4667 [  $-(x+1)/(48*x-1)$  ogf]  
A169350 7.42884 [ $\{a(n+2)-48*a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A169351 14.4667 [  $-(x+1)/(49*x-1)$  ogf]  
A169351 7.42884 [ $\{a(n+2)-49*a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A169352 11.1553 [  $(3*x^30+x^29+2*x+2)/(x^29-4*x+2)$  ogf]  
A169353 17.6994 [  $-(x+1)/(3*x-1)$  ogf]  
A169353 9.09553 [ $\{a(n+2)-3*a(n+1), a(0) = 1, a(1) = 4\}$ , ogf]  
A169354 17.7799 [  $-(x+1)/(4*x-1)$  ogf]  
A169354 9.13689 [ $\{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 5\}$ , ogf]  
A169355 16.6248 [  $-(x+1)/(5*x-1)$  ogf]  
A169355 8.54329 [ $\{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A169356 16.3746 [  $-(x+1)/(-1+6*x)$  ogf]  
A169356 8.41471 [ $\{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A169357 15.7883 [  $-(x+1)/(7*x-1)$  ogf]  
A169357 8.11343 [ $\{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A169358 16.5980 [  $-(x+1)/(8*x-1)$  ogf]  
A169358 8.52951 [ $\{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A169359 15.5180 [  $-(x+1)/(9*x-1)$  ogf]  
A169359 7.86529 [ $\{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A169360 14.6040 [  $-(x+1)/(10*x-1)$  ogf]  
A169360 7.49934 [ $\{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A169361 14.6040 [  $-(x+1)/(11*x-1)$  ogf]  
A169361 7.49934 [ $\{a(n+2)-11*a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A169362 13.1968 [  $-(x+1)/(12*x-1)$  ogf]  
A169362 6.77673 [ $\{a(n+2)-12*a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A169363 13.4950 [  $-(x+1)/(13*x-1)$  ogf]  
A169363 6.92988 [ $\{a(n+2)-13*a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A169364 13.8678 [  $-(x+1)/(14*x-1)$  ogf]  
A169364 7.12131 [ $\{a(n+2)-14*a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A169365 14.0915 [  $-(x+1)/(15*x-1)$  ogf]  
A169365 7.23618 [ $\{a(n+2)-15*a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A169366 14.4643 [  $-(x+1)/(16*x-1)$  ogf]  
A169366 7.42761 [ $\{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A169367 14.6879 [  $-(x+1)/(17*x-1)$  ogf]  
A169367 7.54246 [ $\{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A169368 13.0604 [  $-(x+1)/(18*x-1)$  ogf]  
A169368 6.70668 [ $\{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A169369 13.2063 [  $-(x+1)/(19*x-1)$  ogf]  
A169369 6.78161 [ $\{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A169370 13.4252 [  $-(x+1)/(20*x-1)$  ogf]  
A169370 6.89401 [ $\{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A169371 13.4981 [  $-(x+1)/(21*x-1)$  ogf]  
A169371 6.93147 [ $\{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A169372 13.8629 [  $-(x+1)/(22*x-1)$  ogf]  
A169372 7.11881 [ $\{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A169373 13.9359 [  $-(x+1)/(23*x-1)$  ogf]  
A169373 7.15628 [ $\{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A169374 14.0818 [  $-(x+1)/(24*x-1)$  ogf]  
A169374 7.23122 [ $\{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A169375 14.2278 [  $-(x+1)/(25*x-1)$  ogf]  
A169375 7.30615 [ $\{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A169376 14.3737 [  $-(x+1)/(26*x-1)$  ogf]  
A169376 7.38108 [ $\{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A169377 14.5926 [  $-(x+1)/(27*x-1)$  ogf]

A169377 7.49349 [ $\{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A169378 14.6656 [  $-(x+1)/(28*x-1)$  ogf]  
A169378 7.53096 [ $\{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A169379 14.8115 [  $-(x+1)/(29*x-1)$  ogf]  
A169379 7.60589 [ $\{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A169380 14.8844 [  $-(x+1)/(30*x-1)$  ogf]  
A169380 7.64335 [ $\{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A169381 14.8844 [  $-(x+1)/(31*x-1)$  ogf]  
A169381 7.64335 [ $\{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A169382 15.3952 [  $-(x+1)/(32*x-1)$  ogf]  
A169382 7.90562 [ $\{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A169383 15.3952 [  $-(x+1)/(33*x-1)$  ogf]  
A169383 7.90562 [ $\{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A169384 15.3952 [  $-(x+1)/(34*x-1)$  ogf]  
A169384 7.90562 [ $\{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A169385 15.5411 [  $-(x+1)/(35*x-1)$  ogf]  
A169385 7.98057 [ $\{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A169386 13.5403 [  $-(x+1)/(36*x-1)$  ogf]  
A169386 6.95311 [ $\{a(n+2)-36*a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A169387 13.5403 [  $-(x+1)/(37*x-1)$  ogf]  
A169387 6.95311 [ $\{a(n+2)-37*a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A169388 13.6828 [  $-(x+1)/(38*x-1)$  ogf]  
A169388 7.02630 [ $\{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A169389 13.7541 [  $-(x+1)/(39*x-1)$  ogf]  
A169389 7.06289 [ $\{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A169390 13.8966 [  $-(x+1)/(40*x-1)$  ogf]  
A169390 7.13608 [ $\{a(n+2)-40*a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A169391 13.8966 [  $-(x+1)/(41*x-1)$  ogf]  
A169391 7.13608 [ $\{a(n+2)-41*a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A169392 13.9678 [  $-(x+1)/(42*x-1)$  ogf]  
A169392 7.17268 [ $\{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A169393 14.0391 [  $-(x+1)/(43*x-1)$  ogf]  
A169393 7.20927 [ $\{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A169394 14.1816 [  $-(x+1)/(44*x-1)$  ogf]  
A169394 7.28246 [ $\{a(n+2)-44*a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A169395 14.1816 [  $-(x+1)/(45*x-1)$  ogf]  
A169395 7.28246 [ $\{a(n+2)-45*a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A169396 14.1816 [  $-(x+1)/(46*x-1)$  ogf]  
A169396 7.28246 [ $\{a(n+2)-46*a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A169397 14.4667 [  $-(x+1)/(47*x-1)$  ogf]  
A169397 7.42884 [ $\{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A169398 14.4667 [  $-(x+1)/(48*x-1)$  ogf]  
A169398 7.42884 [ $\{a(n+2)-48*a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A169399 14.4667 [  $-(x+1)/(49*x-1)$  ogf]  
A169399 7.42884 [ $\{a(n+2)-49*a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A169400 19.2957 [  $-(x+1)/(2*x-1)$  ogf]  
A169400 9.91586 [ $\{a(n+2)-2*a(n+1), a(0) = 1, a(1) = 3\}$ , ogf]  
A169401 17.6994 [  $-(x+1)/(3*x-1)$  ogf]  
A169401 9.09553 [ $\{a(n+2)-3*a(n+1), a(0) = 1, a(1) = 4\}$ , ogf]  
A169402 17.7799 [  $-(x+1)/(4*x-1)$  ogf]  
A169402 9.13689 [ $\{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 5\}$ , ogf]  
A169403 16.6248 [  $-(x+1)/(5*x-1)$  ogf]  
A169403 8.54329 [ $\{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A169404 16.3746 [  $-(x+1)/(-1+6*x)$  ogf]  
A169404 8.41471 [ $\{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A169405 15.7883 [  $-(x+1)/(7*x-1)$  ogf]  
A169405 8.11343 [ $\{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A169406 16.5980 [  $-(x+1)/(8*x-1)$  ogf]  
A169406 8.52951 [ $\{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A169407 15.5180 [  $-(x+1)/(9*x-1)$  ogf]  
A169407 7.86529 [ $\{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]

A169408 14.6040 [  $-(x+1)/(10*x-1)$  ogf]  
A169408 7.49934 [  $\{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A169409 14.6040 [  $-(x+1)/(11*x-1)$  ogf]  
A169409 7.49934 [  $\{a(n+2)-11*a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A169410 13.1968 [  $-(x+1)/(12*x-1)$  ogf]  
A169410 6.77673 [  $\{a(n+2)-12*a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A169411 13.4950 [  $-(x+1)/(13*x-1)$  ogf]  
A169411 6.92988 [  $\{a(n+2)-13*a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A169412 13.8678 [  $-(x+1)/(14*x-1)$  ogf]  
A169412 7.12131 [  $\{a(n+2)-14*a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A169413 14.0915 [  $-(x+1)/(15*x-1)$  ogf]  
A169413 7.23618 [  $\{a(n+2)-15*a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A169414 14.4643 [  $-(x+1)/(16*x-1)$  ogf]  
A169414 7.42761 [  $\{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A169415 14.6879 [  $-(x+1)/(17*x-1)$  ogf]  
A169415 7.54246 [  $\{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A169416 13.0604 [  $-(x+1)/(18*x-1)$  ogf]  
A169416 6.70668 [  $\{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A169417 13.2063 [  $-(x+1)/(19*x-1)$  ogf]  
A169417 6.78161 [  $\{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A169418 13.4252 [  $-(x+1)/(20*x-1)$  ogf]  
A169418 6.89401 [  $\{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A169419 13.4981 [  $-(x+1)/(21*x-1)$  ogf]  
A169419 6.93147 [  $\{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A169420 13.8629 [  $-(x+1)/(22*x-1)$  ogf]  
A169420 7.11881 [  $\{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A169421 13.9359 [  $-(x+1)/(23*x-1)$  ogf]  
A169421 7.15628 [  $\{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A169422 14.0818 [  $-(x+1)/(24*x-1)$  ogf]  
A169422 7.23122 [  $\{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A169423 14.2278 [  $-(x+1)/(25*x-1)$  ogf]  
A169423 7.30615 [  $\{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A169424 14.3737 [  $-(x+1)/(26*x-1)$  ogf]  
A169424 7.38108 [  $\{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A169425 14.5926 [  $-(x+1)/(27*x-1)$  ogf]  
A169425 7.49349 [  $\{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A169426 14.6656 [  $-(x+1)/(28*x-1)$  ogf]  
A169426 7.53096 [  $\{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A169427 14.8115 [  $-(x+1)/(29*x-1)$  ogf]  
A169427 7.60589 [  $\{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A169428 14.8844 [  $-(x+1)/(30*x-1)$  ogf]  
A169428 7.64335 [  $\{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A169429 14.8844 [  $-(x+1)/(31*x-1)$  ogf]  
A169429 7.64335 [  $\{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A169430 15.3952 [  $-(x+1)/(32*x-1)$  ogf]  
A169430 7.90562 [  $\{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A169431 15.3952 [  $-(x+1)/(33*x-1)$  ogf]  
A169431 7.90562 [  $\{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A169432 15.3952 [  $-(x+1)/(34*x-1)$  ogf]  
A169432 7.90562 [  $\{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A169433 15.5411 [  $-(x+1)/(35*x-1)$  ogf]  
A169433 7.98057 [  $\{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A169434 13.5403 [  $-(x+1)/(36*x-1)$  ogf]  
A169434 6.95311 [  $\{a(n+2)-36*a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A169435 13.5403 [  $-(x+1)/(37*x-1)$  ogf]  
A169435 6.95311 [  $\{a(n+2)-37*a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A169436 13.6828 [  $-(x+1)/(38*x-1)$  ogf]  
A169436 7.02630 [  $\{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A169437 13.7541 [  $-(x+1)/(39*x-1)$  ogf]  
A169437 7.06289 [  $\{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A169438 13.8966 [  $-(x+1)/(40*x-1)$  ogf]

A169438 7.13608 [ $\{a(n+2)-40*a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A169439 13.8966 [  $-(x+1)/(41*x-1)$  ogf]  
A169439 7.13608 [ $\{a(n+2)-41*a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A169440 13.9678 [  $-(x+1)/(42*x-1)$  ogf]  
A169440 7.17268 [ $\{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A169441 14.0391 [  $-(x+1)/(43*x-1)$  ogf]  
A169441 7.20927 [ $\{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A169442 14.1816 [  $-(x+1)/(44*x-1)$  ogf]  
A169442 7.28246 [ $\{a(n+2)-44*a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A169443 14.1816 [  $-(x+1)/(45*x-1)$  ogf]  
A169443 7.28246 [ $\{a(n+2)-45*a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A169444 14.1816 [  $-(x+1)/(46*x-1)$  ogf]  
A169444 7.28246 [ $\{a(n+2)-46*a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A169445 14.4667 [  $-(x+1)/(47*x-1)$  ogf]  
A169445 7.42884 [ $\{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A169446 14.4667 [  $-(x+1)/(48*x-1)$  ogf]  
A169446 7.42884 [ $\{a(n+2)-48*a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A169447 14.4667 [  $-(x+1)/(49*x-1)$  ogf]  
A169447 7.42884 [ $\{a(n+2)-49*a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A169448 19.2957 [  $-(x+1)/(2*x-1)$  ogf]  
A169448 9.91586 [ $\{a(n+2)-2*a(n+1), a(0) = 1, a(1) = 3\}$ , ogf]  
A169449 17.6994 [  $-(x+1)/(3*x-1)$  ogf]  
A169449 9.09553 [ $\{a(n+2)-3*a(n+1), a(0) = 1, a(1) = 4\}$ , ogf]  
A169450 17.7799 [  $-(x+1)/(4*x-1)$  ogf]  
A169450 9.13689 [ $\{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 5\}$ , ogf]  
A169451 16.6248 [  $-(x+1)/(5*x-1)$  ogf]  
A169451 8.54329 [ $\{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A169452 16.3746 [  $-(x+1)/(-1+6*x)$  ogf]  
A169452 8.41471 [ $\{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A169453 15.7883 [  $-(x+1)/(7*x-1)$  ogf]  
A169453 8.11343 [ $\{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A169454 16.5980 [  $-(x+1)/(8*x-1)$  ogf]  
A169454 8.52951 [ $\{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A169455 15.5180 [  $-(x+1)/(9*x-1)$  ogf]  
A169455 7.86529 [ $\{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A169456 14.6040 [  $-(x+1)/(10*x-1)$  ogf]  
A169456 7.49934 [ $\{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A169457 14.6040 [  $-(x+1)/(11*x-1)$  ogf]  
A169457 7.49934 [ $\{a(n+2)-11*a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A169458 13.1968 [  $-(x+1)/(12*x-1)$  ogf]  
A169458 6.77673 [ $\{a(n+2)-12*a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A169459 13.4950 [  $-(x+1)/(13*x-1)$  ogf]  
A169459 6.92988 [ $\{a(n+2)-13*a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A169460 13.8678 [  $-(x+1)/(14*x-1)$  ogf]  
A169460 7.12131 [ $\{a(n+2)-14*a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A169461 14.0915 [  $-(x+1)/(15*x-1)$  ogf]  
A169461 7.23618 [ $\{a(n+2)-15*a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A169462 14.4643 [  $-(x+1)/(16*x-1)$  ogf]  
A169462 7.42761 [ $\{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A169463 14.6879 [  $-(x+1)/(17*x-1)$  ogf]  
A169463 7.54246 [ $\{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A169464 13.0604 [  $-(x+1)/(18*x-1)$  ogf]  
A169464 6.70668 [ $\{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A169465 13.2063 [  $-(x+1)/(19*x-1)$  ogf]  
A169465 6.78161 [ $\{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A169466 13.4252 [  $-(x+1)/(20*x-1)$  ogf]  
A169466 6.89401 [ $\{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A169467 13.4981 [  $-(x+1)/(21*x-1)$  ogf]  
A169467 6.93147 [ $\{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A169468 13.8629 [  $-(x+1)/(22*x-1)$  ogf]  
A169468 7.11881 [ $\{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]

A169469 13.9359 [  $-(x+1)/(23*x-1)$  ogf]  
A169469 7.15628 [  $\{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A169470 14.0818 [  $-(x+1)/(24*x-1)$  ogf]  
A169470 7.23122 [  $\{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A169471 14.2278 [  $-(x+1)/(25*x-1)$  ogf]  
A169471 7.30615 [  $\{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A169472 14.3737 [  $-(x+1)/(26*x-1)$  ogf]  
A169472 7.38108 [  $\{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A169473 14.5926 [  $-(x+1)/(27*x-1)$  ogf]  
A169473 7.49349 [  $\{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A169474 14.6656 [  $-(x+1)/(28*x-1)$  ogf]  
A169474 7.53096 [  $\{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A169475 14.8115 [  $-(x+1)/(29*x-1)$  ogf]  
A169475 7.60589 [  $\{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A169476 14.8844 [  $-(x+1)/(30*x-1)$  ogf]  
A169476 7.64335 [  $\{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A169477 14.8844 [  $-(x+1)/(31*x-1)$  ogf]  
A169477 7.64335 [  $\{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A169478 15.3952 [  $-(x+1)/(32*x-1)$  ogf]  
A169478 7.90562 [  $\{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A169479 15.3952 [  $-(x+1)/(33*x-1)$  ogf]  
A169479 7.90562 [  $\{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A169480 15.3952 [  $-(x+1)/(34*x-1)$  ogf]  
A169480 7.90562 [  $\{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A169481 15.5411 [  $-(x+1)/(35*x-1)$  ogf]  
A169481 7.98057 [  $\{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A169482 13.5403 [  $-(x+1)/(36*x-1)$  ogf]  
A169482 6.95311 [  $\{a(n+2)-36*a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A169483 13.5403 [  $-(x+1)/(37*x-1)$  ogf]  
A169483 6.95311 [  $\{a(n+2)-37*a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A169484 13.6828 [  $-(x+1)/(38*x-1)$  ogf]  
A169484 7.02630 [  $\{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A169485 13.7541 [  $-(x+1)/(39*x-1)$  ogf]  
A169485 7.06289 [  $\{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A169486 13.8966 [  $-(x+1)/(40*x-1)$  ogf]  
A169486 7.13608 [  $\{a(n+2)-40*a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A169487 13.8966 [  $-(x+1)/(41*x-1)$  ogf]  
A169487 7.13608 [  $\{a(n+2)-41*a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A169488 13.9678 [  $-(x+1)/(42*x-1)$  ogf]  
A169488 7.17268 [  $\{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A169489 14.0391 [  $-(x+1)/(43*x-1)$  ogf]  
A169489 7.20927 [  $\{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A169490 14.1816 [  $-(x+1)/(44*x-1)$  ogf]  
A169490 7.28246 [  $\{a(n+2)-44*a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A169491 14.1816 [  $-(x+1)/(45*x-1)$  ogf]  
A169491 7.28246 [  $\{a(n+2)-45*a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A169492 14.1816 [  $-(x+1)/(46*x-1)$  ogf]  
A169492 7.28246 [  $\{a(n+2)-46*a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A169493 14.4667 [  $-(x+1)/(47*x-1)$  ogf]  
A169493 7.42884 [  $\{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A169494 14.4667 [  $-(x+1)/(48*x-1)$  ogf]  
A169494 7.42884 [  $\{a(n+2)-48*a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A169495 14.4667 [  $-(x+1)/(49*x-1)$  ogf]  
A169495 7.42884 [  $\{a(n+2)-49*a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A169496 19.2957 [  $-(x+1)/(2*x-1)$  ogf]  
A169496 9.91586 [  $\{a(n+2)-2*a(n+1), a(0) = 1, a(1) = 3\}$ , ogf]  
A169497 17.6994 [  $-(x+1)/(3*x-1)$  ogf]  
A169497 9.09553 [  $\{a(n+2)-3*a(n+1), a(0) = 1, a(1) = 4\}$ , ogf]  
A169498 17.7799 [  $-(x+1)/(4*x-1)$  ogf]  
A169498 9.13689 [  $\{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 5\}$ , ogf]  
A169499 16.6248 [  $-(x+1)/(5*x-1)$  ogf]

A169499 8.54329 [ $\{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A169500 16.3746 [  $-(x+1)/(-1+6*x)$  ogf]  
A169500 8.41471 [ $\{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A169501 15.7883 [  $-(x+1)/(7*x-1)$  ogf]  
A169501 8.11343 [ $\{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A169502 16.5980 [  $-(x+1)/(8*x-1)$  ogf]  
A169502 8.52951 [ $\{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A169503 15.5180 [  $-(x+1)/(9*x-1)$  ogf]  
A169503 7.86529 [ $\{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A169504 14.6040 [  $-(x+1)/(10*x-1)$  ogf]  
A169504 7.49934 [ $\{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A169505 14.6040 [  $-(x+1)/(11*x-1)$  ogf]  
A169505 7.49934 [ $\{a(n+2)-11*a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A169506 13.1968 [  $-(x+1)/(12*x-1)$  ogf]  
A169506 6.77673 [ $\{a(n+2)-12*a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A169507 13.4950 [  $-(x+1)/(13*x-1)$  ogf]  
A169507 6.92988 [ $\{a(n+2)-13*a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A169508 13.8678 [  $-(x+1)/(14*x-1)$  ogf]  
A169508 7.12131 [ $\{a(n+2)-14*a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A169509 14.0915 [  $-(x+1)/(15*x-1)$  ogf]  
A169509 7.23618 [ $\{a(n+2)-15*a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A169510 14.4643 [  $-(x+1)/(16*x-1)$  ogf]  
A169510 7.42761 [ $\{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A169511 14.6879 [  $-(x+1)/(17*x-1)$  ogf]  
A169511 7.54246 [ $\{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A169512 13.0604 [  $-(x+1)/(18*x-1)$  ogf]  
A169512 6.70668 [ $\{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A169513 13.2063 [  $-(x+1)/(19*x-1)$  ogf]  
A169513 6.78161 [ $\{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A169514 13.4252 [  $-(x+1)/(20*x-1)$  ogf]  
A169514 6.89401 [ $\{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A169515 13.4981 [  $-(x+1)/(21*x-1)$  ogf]  
A169515 6.93147 [ $\{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A169516 13.8629 [  $-(x+1)/(22*x-1)$  ogf]  
A169516 7.11881 [ $\{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A169517 13.9359 [  $-(x+1)/(23*x-1)$  ogf]  
A169517 7.15628 [ $\{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A169518 14.0818 [  $-(x+1)/(24*x-1)$  ogf]  
A169518 7.23122 [ $\{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A169519 14.2278 [  $-(x+1)/(25*x-1)$  ogf]  
A169519 7.30615 [ $\{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A169520 14.3737 [  $-(x+1)/(26*x-1)$  ogf]  
A169520 7.38108 [ $\{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A169521 14.5926 [  $-(x+1)/(27*x-1)$  ogf]  
A169521 7.49349 [ $\{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A169522 14.6656 [  $-(x+1)/(28*x-1)$  ogf]  
A169522 7.53096 [ $\{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A169523 14.8115 [  $-(x+1)/(29*x-1)$  ogf]  
A169523 7.60589 [ $\{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A169524 14.8844 [  $-(x+1)/(30*x-1)$  ogf]  
A169524 7.64335 [ $\{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A169525 14.8844 [  $-(x+1)/(31*x-1)$  ogf]  
A169525 7.64335 [ $\{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A169526 15.3952 [  $-(x+1)/(32*x-1)$  ogf]  
A169526 7.90562 [ $\{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A169527 15.3952 [  $-(x+1)/(33*x-1)$  ogf]  
A169527 7.90562 [ $\{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A169528 15.3952 [  $-(x+1)/(34*x-1)$  ogf]  
A169528 7.90562 [ $\{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A169529 15.5411 [  $-(x+1)/(35*x-1)$  ogf]  
A169529 7.98057 [ $\{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]



A169530 13.5403 [  $-(x+1)/(36*x-1)$  ogf]  
A169530 6.95311 [  $\{a(n+2)-36*a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A169531 13.5403 [  $-(x+1)/(37*x-1)$  ogf]  
A169531 6.95311 [  $\{a(n+2)-37*a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A169532 13.6828 [  $-(x+1)/(38*x-1)$  ogf]  
A169532 7.02630 [  $\{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A169533 13.7541 [  $-(x+1)/(39*x-1)$  ogf]  
A169533 7.06289 [  $\{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A169534 13.8966 [  $-(x+1)/(40*x-1)$  ogf]  
A169534 7.13608 [  $\{a(n+2)-40*a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A169535 13.8966 [  $-(x+1)/(41*x-1)$  ogf]  
A169535 7.13608 [  $\{a(n+2)-41*a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A169536 13.9678 [  $-(x+1)/(42*x-1)$  ogf]  
A169536 7.17268 [  $\{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A169537 14.0391 [  $-(x+1)/(43*x-1)$  ogf]  
A169537 7.20927 [  $\{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A169538 14.1816 [  $-(x+1)/(44*x-1)$  ogf]  
A169538 7.28246 [  $\{a(n+2)-44*a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A169539 14.1816 [  $-(x+1)/(45*x-1)$  ogf]  
A169539 7.28246 [  $\{a(n+2)-45*a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A169540 14.1816 [  $-(x+1)/(46*x-1)$  ogf]  
A169540 7.28246 [  $\{a(n+2)-46*a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A169541 14.4667 [  $-(x+1)/(47*x-1)$  ogf]  
A169541 7.42884 [  $\{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A169542 14.4667 [  $-(x+1)/(48*x-1)$  ogf]  
A169542 7.42884 [  $\{a(n+2)-48*a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A169543 14.4667 [  $-(x+1)/(49*x-1)$  ogf]  
A169543 7.42884 [  $\{a(n+2)-49*a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A169544 19.2957 [  $-(x+1)/(2*x-1)$  ogf]  
A169544 9.91586 [  $\{a(n+2)-2*a(n+1), a(0) = 1, a(1) = 3\}$ , ogf]  
A169545 17.6994 [  $-(x+1)/(3*x-1)$  ogf]  
A169545 9.09553 [  $\{a(n+2)-3*a(n+1), a(0) = 1, a(1) = 4\}$ , ogf]  
A169546 17.7799 [  $-(x+1)/(4*x-1)$  ogf]  
A169546 9.13689 [  $\{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 5\}$ , ogf]  
A169547 16.6248 [  $-(x+1)/(5*x-1)$  ogf]  
A169547 8.54329 [  $\{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A169548 16.3746 [  $-(x+1)/(-1+6*x)$  ogf]  
A169548 8.41471 [  $\{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A169549 15.7883 [  $-(x+1)/(7*x-1)$  ogf]  
A169549 8.11343 [  $\{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A169550 16.5980 [  $-(x+1)/(8*x-1)$  ogf]  
A169550 8.52951 [  $\{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A169551 15.5180 [  $-(x+1)/(9*x-1)$  ogf]  
A169551 7.86529 [  $\{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A169552 14.6040 [  $-(x+1)/(10*x-1)$  ogf]  
A169552 7.49934 [  $\{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A169553 14.6040 [  $-(x+1)/(11*x-1)$  ogf]  
A169553 7.49934 [  $\{a(n+2)-11*a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A169554 13.1968 [  $-(x+1)/(12*x-1)$  ogf]  
A169554 6.77673 [  $\{a(n+2)-12*a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A169555 13.4950 [  $-(x+1)/(13*x-1)$  ogf]  
A169555 6.92988 [  $\{a(n+2)-13*a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A169556 13.8678 [  $-(x+1)/(14*x-1)$  ogf]  
A169556 7.12131 [  $\{a(n+2)-14*a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A169557 14.0915 [  $-(x+1)/(15*x-1)$  ogf]  
A169557 7.23618 [  $\{a(n+2)-15*a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A169558 14.4643 [  $-(x+1)/(16*x-1)$  ogf]  
A169558 7.42761 [  $\{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A169559 14.6879 [  $-(x+1)/(17*x-1)$  ogf]  
A169559 7.54246 [  $\{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A169560 13.0604 [  $-(x+1)/(18*x-1)$  ogf]

A169560 6.70668 [ $\{a(n+2)-18a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A169561 13.2063 [ $-(x+1)/(19x-1)$  ogf]  
A169561 6.78161 [ $\{a(n+2)-19a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A169562 13.4252 [ $-(x+1)/(20x-1)$  ogf]  
A169562 6.89401 [ $\{a(n+2)-20a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A169563 13.4981 [ $-(x+1)/(21x-1)$  ogf]  
A169563 6.93147 [ $\{a(n+2)-21a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A169564 13.8629 [ $-(x+1)/(22x-1)$  ogf]  
A169564 7.11881 [ $\{a(n+2)-22a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A169565 13.9359 [ $-(x+1)/(23x-1)$  ogf]  
A169565 7.15628 [ $\{a(n+2)-23a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A169566 14.0818 [ $-(x+1)/(24x-1)$  ogf]  
A169566 7.23122 [ $\{a(n+2)-24a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A169567 14.2278 [ $-(x+1)/(25x-1)$  ogf]  
A169567 7.30615 [ $\{a(n+2)-25a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A169568 14.3737 [ $-(x+1)/(26x-1)$  ogf]  
A169568 7.38108 [ $\{a(n+2)-26a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A169569 14.5926 [ $-(x+1)/(27x-1)$  ogf]  
A169569 7.49349 [ $\{a(n+2)-27a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A169570 14.6656 [ $-(x+1)/(28x-1)$  ogf]  
A169570 7.53096 [ $\{a(n+2)-28a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A169571 14.8115 [ $-(x+1)/(29x-1)$  ogf]  
A169571 7.60589 [ $\{a(n+2)-29a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A169572 14.8844 [ $-(x+1)/(30x-1)$  ogf]  
A169572 7.64335 [ $\{a(n+2)-30a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A169573 14.8844 [ $-(x+1)/(31x-1)$  ogf]  
A169573 7.64335 [ $\{a(n+2)-31a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A169574 15.3952 [ $-(x+1)/(32x-1)$  ogf]  
A169574 7.90562 [ $\{a(n+2)-32a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A169575 15.3952 [ $-(x+1)/(33x-1)$  ogf]  
A169575 7.90562 [ $\{a(n+2)-33a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A169576 15.3952 [ $-(x+1)/(34x-1)$  ogf]  
A169576 7.90562 [ $\{a(n+2)-34a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A169577 15.5411 [ $-(x+1)/(35x-1)$  ogf]  
A169577 7.98057 [ $\{a(n+2)-35a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A169578 13.5403 [ $-(x+1)/(36x-1)$  ogf]  
A169578 6.95311 [ $\{a(n+2)-36a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A169579 13.5403 [ $-(x+1)/(37x-1)$  ogf]  
A169579 6.95311 [ $\{a(n+2)-37a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A169585 10.2387 [ $\{a(n+2), a(0) = 1, a(1) = 3\}$ , ogf]  
A169585 108.075  $3/(1+3x)$  lgdogf  
A169585 44.2126  $2x/(1+(1+12x)^{1/2})$  revogf  
A169592 6.37438 [ $-(x^6-x^5+x^4-4x^3-x^2+x+1)/(x-1)/(3x^3-1)/(x^4+x^2-1)$  ogf]  
A169597 13.9589 [ $(4x^2+13x+2)/(x+1)/(x-1)^2$  ogf]  
A169597 15.1459  $-(-72-84x+53x^2+27x^3)/(x-1)/(x+1)/(53x^2-13x-59)$  lgdogf  
A169597 7.59167 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 15, a(2) = 21\}$ , ogf]  
A169598 13.7671 [ $(5x^2+15x+3)/(x+1)/(x-1)^2$  ogf]  
A169598 15.0001  $-(-95-125x+72x^2+56x^3)/(x-1)/(x+1)/(72x^2-8x-87)$  lgdogf  
A169598 7.48738 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 18, a(2) = 26\}$ , ogf]  
A169599 13.3027  $-(-149-187x+120x^2+100x^3)/(x-1)/(x+1)/(120x^2-10x-139)$  lgdogf  
A169599 14.5419 [ $(6x^2+19x+4)/(x+1)/(x-1)^2$  ogf]  
A169599 7.90877 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 23, a(2) = 33\}$ , ogf]  
A169600 13.3027  $-(-180-200x+149x^2+107x^3)/(x-1)/(x+1)/(149x^2-21x-159)$  lgdogf  
A169600 15.8467 [ $(6x^2+21x+4)/(x+1)/(x-1)^2$  ogf]  
A169600 8.61840 [ $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 4, a(1) = 25, a(2) = 35\}$ , ogf]

A169601 3.57852 [ $\{a(n+3)-111*a(n+2)+1110*a(n+1)-1000*a(n), a(0) = 2, a(1) = 83, a(2) = 9803\}$ , ogf]  
A169601 5.99643 [ $-(2810*x^2-139*x+2)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A169604 11.0035 [ $\{a(n+1)-6*a(n), a(0) = 3\}$ , ogf]  
A169604 22.8874 [ $-3/(-1+6*x)$  ogf]  
A169604 43.0924  $1/3*x/(2*x+1)$  revogf  
A169604 56.0202  $-6/(6*x-1)$  lgdogf  
A169607 13.7718 [ $7*x*(x+1)/(x-1)^4$  ogf]  
A169607 42.3602 [ $[5-x]$  ogf\_with\_Euler\_transform]  
A169607 44.1941  $-(5+3*x)/(x-1)/(x+1)$  lgdogf  
A169607 6.68034 [ $\{(n+2)*a(n+3)-5*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 7, a(2) = 35\}$ , ogf]  
A169609 13.0433 [ $\{-a(n+3)+a(n), a(0) = 1, a(1) = 3, a(2) = 3\}$ , ogf]  
A169609 18.0125  $-3*(1+2*x+x^4+x^2+2*x^3)/(x-1)/(x^2+x+1)/(3*x^2+3*x+1)$  lgdogf  
A169609 20.2305 [ $-(3*x^2+3*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A169610 13.1025  $-(-252-276*x+165*x^2+215*x^3)/(x-1)/(x+1)/(215*x^2-25*x-227)$  lgdogf  
A169610 14.8680 [ $(7*x^2+25*x+5)/(x+1)/(x-1)^2$  ogf]  
A169610 8.08610 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 30, a(2) = 42\}$ , ogf]  
A169622 12.4783  $-(6-8*x+4*x^4+8*x^3-7*x^2)/(x-1)/(4*x^2+4*x-5)/(x^2+x-1)$  lgdogf  
A169622 14.9622 [ $-(4*x^2+4*x-5)/(x-1)/(x^2+x-1)$  ogf]  
A169622 8.43612 [ $\{a(n+3)-2*a(n+2)+a(n), a(0) = 5, a(1) = 6, a(2) = 8\}$ , ogf]  
A169630 7.32409 [ $x*(x^4-2*x^3+4*x^2-2*x+1)/(x+1)^2/(x^2-3*x+1)^2$  ogf]  
A169630 7.72953  $-2*(-1-6*x+x^6-3*x^5+12*x^4+12*x^2-17*x^3)/(x+1)/(x^2-3*x+1)/(x^4-2*x^3+4*x^2-2*x+1)$  lgdogf  
A169634 11.6949 [ $\{a(n+1)-7*a(n), a(0) = 3\}$ , ogf]  
A169634 24.3253 [ $-3/(7*x-1)$  ogf]  
A169634 24.8396  $-1/7*\ln(3)+1/7*\ln(3+7*x)$  revegfg  
A169634 54.1955  $-7/(-1+7*x)$  lgdogf  
A169642 10.4866  $-2*(10+21*x+x^5+18*x^4+26*x^3+68*x^2)/(x-1)/(x+1)/(x^4+12*x^3+12*x^2+20*x+3)$  lgdogf  
A169642 6.03382 [ $\{(-2*n^2-13*n-21)*a(n+1)+(2*n^2+5*n+3)*a(n+3), a(0) = 0, a(1) = 3, a(2) = 20\}$ , ogf]  
A169642 9.18786 [ $-x*(x^4+12*x^3+12*x^2+20*x+3)/(x-1)^3/(x+1)^3$  ogf]  
A169650 10.6040  $-(7-38*x+84*x^4-132*x^3+91*x^2)/(x-1)/(3*x-1)/(2*x-1)/(14*x^2-11*x+3)$  lgdogf  
A169650 11.6384 [ $-(14*x^2-11*x+3)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A169650 6.53386 [ $\{a(n+3)-6*a(n+2)+11*a(n+1)-6*a(n), a(0) = 3, a(1) = 7, a(2) = 23\}$ , ogf]  
A169651 11.0640 [ $(x^4-7*x^2+5*x-1)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A169651 5.30465 [ $\{a(n+5)-6*a(n+4)+11*a(n+3)-6*a(n+2), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 7, a(4) = 25\}$ , ogf]  
A169651 9.39518  $(1-8*x+6*x^6-22*x^5+60*x^4-64*x^3+31*x^2)/(x-1)/(3*x-1)/(2*x-1)/(x^4-7*x^2+5*x-1)$  lgdogf  
A169670 7.35966  $3*(1+8*x^11+22*x^12-11*x^10-2*x^4+7*x^2-11*x^14-16*x^13+8*x^15)/(x-1)/(x+1)/(2*x^14-3*x^13-2*x^12+3*x^11-6*x^3+3*x^2-3*x-3)$  lgdogf  
A169670 7.55971 [ $(2*x^14-3*x^13-2*x^12+3*x^11-6*x^3+3*x^2-3*x-3)/(x-1)/(x+1)$  ogf]  
A169675 10.6041 [ $-x^3*(x^4+x^3+x^2+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A169675 10.6499  $-x*(2+4*x^10+5*x^9+6*x^8+8*x^6+3*x+4*x^2)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+x^2+1)/(x^4+1)$  lgdogf  
A169676 7.48131  $-x*(4+12*x^4+6*x^10+5*x^11+14*x^9+9*x^7+10*x^3+3*x+4*x^2+6*x^13+8*x^12)/(x-1)/(x^2+x+1)/(2*x^2+1)/(x^6+x^3+1)/(x^4+x^3+1)$  lgdogf  
A169676 9.53062 [ $-x^2*(2*x^2+1)*(x^4+x^3+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A169686 8.22087 [ $30*x*(x^2-9*x+1)/(x^2-6*x+1)/(x^2-198*x+1)$  ogf]  
A169687 17.2848 [ $-3*(3*x-2)/(3*x-1)/(2*x-1)$  ogf]  
A169687 18.6496  $-1/6*(-6-5*x+(36+24*x+x^2)^(1/2))/(3+2*x)$  revogfg  
A169687 9.37130 [ $\{-a(n+2)+5*a(n+1)-6*a(n), a(0) = 6, a(1) = 21\}$ , ogf]  
A169711 11.3226 [ $(19*x^2+16*x+1)/(x-1)^4$  ogf]  
A169711 3.92150 [ $\{(n+4)*a(n+4)+(25+15*n)*a(n+3)+(-80+3*n)*a(n+2)+(-57-19*n)*a(n$

+1), a(0) = 1, a(1) = 20, a(2) = 93, a(3) = 256}, ogf]  
A169712 3.92444 [ {(1673\*n^2+4748\*n-813)\*a(n+1)+(-2878\*n^2-9312\*n-35882)\*a(n+2)+(1205\*n^2+6436\*n+8463)\*a(n+3), a(0) = 1, a(1) = 70, a(2) = 639}, ogf]  
A169712 8.70202 [ -(211\*x^3+299\*x^2+65\*x+1)/(x-1)^5 ogf]  
A169713 6.23289 [ (3651\*x^4+7346\*x^3+3156\*x^2+246\*x+1)/(x-1)^6 ogf]  
A169720 12.3563 [ (x^2-3\*x-1)/(x-1)/(2\*x-1)/(4\*x-1) ogf]  
A169720 6.66168 [ {a(n+3)-7\*a(n+2)+14\*a(n+1)-8\*a(n), a(0) = 1, a(1) = 10, a(2) = 55}, ogf]  
A169721 10.5303 -4\*(4-6\*x+4\*x^4+36\*x^3-29\*x^2)/(x-1)/(2\*x-1)/(-1+4\*x)/(2\*x^2+9\*x+1) lgdogf  
A169721 11.5845 [ -(2\*x^2+9\*x+1)/(x-1)/(2\*x-1)/(4\*x-1) ogf]  
A169721 6.19172 [ {a(n+3)-7\*a(n+2)+14\*a(n+1)-8\*a(n), a(0) = 1, a(1) = 16, a(2) = 100}, ogf]  
A169722 10.1160 -(22-18\*x+40\*x^4+240\*x^3-221\*x^2)/(x-1)/(-1+4\*x)/(2\*x-1)/(5\*x^2+15\*x+1) lgdogf  
A169722 11.6024 [ -(5\*x^2+15\*x+1)/(x-1)/(2\*x-1)/(4\*x-1) ogf]  
A169722 6.30131 [ {a(n+3)-7\*a(n+2)+14\*a(n+1)-8\*a(n), a(0) = 1, a(1) = 22, a(2) = 145}, ogf]  
A169723 5.58526 [ {-a(n+3)+13\*a(n+2)-39\*a(n+1)+27\*a(n), a(0) = 6, a(1) = 28, a(2) = 190}, ogf]  
A169723 8.86408 -2\*(7-87\*x+405\*x^4-675\*x^3+414\*x^2)/(x-1)/(3\*x-1)/(9\*x-1)/(30\*x^2-25\*x+3) lgdogf  
A169723 9.98577 [ -2\*(30\*x^2-25\*x+3)/(x-1)/(3\*x-1)/(9\*x-1) ogf]  
A169724 10.3035 [ -(75\*x^2-68\*x+9)/(x-1)/(3\*x-1)/(9\*x-1) ogf]  
A169724 5.76297 [ {-a(n+3)+13\*a(n+2)-39\*a(n+1)+27\*a(n), a(0) = 9, a(1) = 49, a(2) = 361}, ogf]  
A169724 8.79010 -(49-552\*x+2025\*x^4-3672\*x^3+2406\*x^2)/(x-1)/(3\*x-1)/(9\*x-1)/(75\*x^2-68\*x+9) lgdogf  
A169725 10.3733 [ -2\*(45\*x^2-43\*x+6)/(x-1)/(3\*x-1)/(9\*x-1) ogf]  
A169725 5.84041 [ {-a(n+3)+13\*a(n+2)-39\*a(n+1)+27\*a(n), a(0) = 12, a(1) = 70, a(2) = 532}, ogf]  
A169725 8.98719 -(35-378\*x+1215\*x^4-2322\*x^3+1578\*x^2)/(x-1)/(3\*x-1)/(9\*x-1)/(45\*x^2-43\*x+6) lgdogf  
A169726 12.8755 [ -(2\*x^2+1)/(x-1)/(2\*x-1)/(4\*x-1) ogf]  
A169726 13.1054 -(7-24\*x+16\*x^4+10\*x^2)/(x-1)/(2\*x-1)/(-1+4\*x)/(2\*x^2+1) lgdogf  
A169726 6.55070 [ {a(n+3)-7\*a(n+2)+14\*a(n+1)-8\*a(n), a(0) = 1, a(1) = 7, a(2) = 37}, ogf]  
A169727 10.1160 -(19-12\*x+64\*x^4+192\*x^3-200\*x^2)/(x-1)/(-1+4\*x)/(2\*x-1)/(8\*x^2+12\*x+1) lgdogf  
A169727 11.6024 [ -(8\*x^2+12\*x+1)/(x-1)/(2\*x-1)/(4\*x-1) ogf]  
A169727 6.30131 [ {a(n+3)-7\*a(n+2)+14\*a(n+1)-8\*a(n), a(0) = 1, a(1) = 19, a(2) = 127}, ogf]  
A169767 8.32634  
31/3530184\*(-229028+5176501\*x^4+(52453824784-754105379752\*x^4+26796162603001\*x^8)^(1/2))/x lgdogf  
A169792 51.1830 5/(2\*x-1)/(x-1) lgdogf  
A169792 6.40339 [ {(n+2)\*a(n+2)+(-8-3\*n)\*a(n+1)+2\*n\*a(n), a(0) = 1, a(1) = 5}, ogf]  
A169792 7.23346 [ (x-1)^5/(2\*x-1)^5 ogf]  
A169793 5.96696 [ (x-1)^6/(2\*x-1)^6 ogf]  
A169793 50.4273 6/(2\*x-1)/(x-1) lgdogf  
A169793 6.30933 [ {(n+2)\*a(n+2)+(-9-3\*n)\*a(n+1)+2\*n\*a(n), a(0) = 1, a(1) = 6}, ogf]  
A169794 48.9982 7/(2\*x-1)/(x-1) lgdogf  
A169794 5.02118 [ (x-1)^7/(2\*x-1)^7 ogf]  
A169794 6.08257 [ {(n+2)\*a(n+2)+(-10-3\*n)\*a(n+1)+2\*n\*a(n), a(0) = 1, a(1) = 7}, ogf]  
A169795 4.45796 [ (x-1)^8/(2\*x-1)^8 ogf]  
A169795 50.5362 8/(2\*x-1)/(x-1) lgdogf  
A169795 6.27014 [ {(n+2)\*a(n+2)+(-11-3\*n)\*a(n+1)+2\*n\*a(n), a(0) = 1, a(1) = 8}, ogf]

A169796 3.80947 [  $(x-1)^9/(2x-1)^9$  ogf]  
A169796 48.6543  $9/(2x-1)/(x-1)$  lgdogf  
A169796 6.03941 [  $\{(n+2)*a(n+2)+(-12-3^n)*a(n+1)+2^n*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A169797 3.38785 [  $(x-1)^{10}/(2x-1)^{10}$  ogf]  
A169797 47.0388  $10/(2x-1)/(x-1)$  lgdogf  
A169797 6.17463 [  $\{(n+2)*a(n+2)+(-13-3^n)*a(n+1)+2^n*a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A169801 16.6506  $-4*(4+18*x+x^3+12*x^2)/(x-1)/(x+1)/(x^2+8*x+1)$  lgdogf  
A169801 6.72052 [  $-4*x^2*(x+1)*(x^2+8*x+1)/(x-1)^7$  ogf]  
A169801 6.77947 [  $\{(n^2+6*n+9)*a(n+1)-a(n+2)*n^2, a(0) = 0, a(1) = 0, a(2) = 4\}$ , ogf]  
A169805 7.57561 [  $-2*x*(8*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A169823 100.023  $-2/(x-1)$  lgdogf  
A169823 21.3598 [  $60*x/(x-1)^2$  ogf]  
A169823 28.5781  $15*x/(15+(225+15*x)^{(1/2)})^2$  revogf  
A169823 62.0778 [[2] ogf\_with\_Euler\_transform]  
A169823 9.89844 [  $\{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 60\}$ , ogf]  
A169825 100.266  $-2/(x-1)$  lgdogf  
A169825 20.8531 [  $420*x/(x-1)^2$  ogf]  
A169825 24.3070  $105*x/(105+(11025+105*x)^{(1/2)})^2$  revogf  
A169825 62.1435 [[2] ogf\_with\_Euler\_transform]  
A169825 9.79846 [  $\{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 420\}$ , ogf]  
A169827 20.6662 [  $840*x/(x-1)^2$  ogf]  
A169827 24.0907  $210*x/(210+(44100+210*x)^{(1/2)})^2$  revogf  
A169827 61.5592 [[2] ogf\_with\_Euler\_transform]  
A169827 9.71064 [  $\{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 840\}$ , ogf]  
A169827 99.3741  $-2/(x-1)$  lgdogf  
A169830 14.5418 [  $(62*x+1)/(10*x-1)/(x-1)$  ogf]  
A169830 8.21182 [  $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 1, a(1) = 73\}$ , ogf]  
A169831 13.1812 [  $(2*x^2-4*x-1)/(2*x-1)/(x-1)^2$  ogf]  
A169831 15.4939  $-2*(4-3*x+2*x^3-6*x^2)/(2*x-1)/(x-1)/(-1+2*x^2-4*x)$  lgdogf  
A169831 7.11550 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 8, a(2) = 25\}$ , ogf]  
A169832 10.6732 [  $-x*(4*x+1)*(x-3)/(2*x-1)/(x-1)^3$  ogf]  
A169832 14.9907  $-2*(13-5*x+8*x^3-31*x^2)/(x-1)/(x-3)/(2*x-1)/(1+4*x)$  lgdogf  
A169833 11.7078  $-2*(8+13*x+8*x^4-3*x^3-46*x^2)/(x-1)/(2*x-1)/(4*x^3-3*x^2-10*x-1)$  lgdogf  
A169833 8.80090 [  $2*(4*x^3-3*x^2-10*x-1)/(2*x-1)/(x-1)^4$  ogf]  
A169860 9.41614 [  $x*(26*x^4+25*x^3+26*x^2+25*x+25)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A169919 12.9822 [  $-2*x*(90*x^{10}-100*x^9-1)/(x-1)^2$  ogf]  
A169919 14.3923  $2*(1+360*x^{10}+450*x^8-800*x^9)/(x-1)/(90*x^{10}-100*x^9-1)$  lgdogf  
A169920 6.03214 [[4-x] ogf\_with\_Euler\_transform]  
A169932 10.3814  $-(1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+11*x^9)/(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)/(x+1)$  lgdogf  
A169932 18.3273 [  $10*x^{10}/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A169933 7.52079 [  $2*x*(x^9+x^8+x^7+x^6+x^5-4*x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A169936 4.18841 [  $-(7*x^{23}+2*x^{22}-9*x^{15}+2*x^{14}+16*x^{12}+2*x^{11}+6*x^{10}+x^9+66*x^8-x^7-5*x^6-x^5-17*x^4-3*x^3-7*x^2-2*x-67)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A169937 5.91717 [  $\{(n^2+29*n+210)*a(n+1)+(-n^2-5*n-6)*a(n+2), a(0) = 1, a(1) = 91\}$ , ogf]  
A169938 37.5416 [[7-2\*x] ogf\_with\_Euler\_transform]  
A169938 39.3590  $-(7+3*x)/(x-1)/(x+1)$  lgdogf  
A169938 6.01820 [  $\{(n+1)*a(n+3)-7*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 6\}$ , ogf]  
A169938 9.02730 [  $-6*x^2*(x+1)^2/(x-1)^5$  ogf]  
A169963 14.5418 [  $-(14*x-5)/(10*x-1)/(2*x-1)$  ogf]

A169963 14.5962  $-2*(23-100*x+140*x^2)/(2*x-1)/(14*x-5)/(10*x-1)$  lgdogf  
A169963 14.9135  $-1/4*(-5-12*x+(25+64*x+64*x^2)^{(1/2)})/(7+10*x)$  revogf  
A169963 8.21182  $[{a(n+2)-12*a(n+1)+20*a(n), a(0) = 5, a(1) = 46}, ogf]$   
A169969 10.9058  $[ -(4*x^4+4*x^3+4*x^2+3*x+1)/(x^2+1)/(2*x^2-1) ogf]$   
A169975 18.6874  $[ -(x^4-x+1)/(x^8-1) ogf\_with\_Euler\_transform]$   
A169985 14.9999  $[ (x^3-x-1)/(x^2+x-1) ogf]$   
A169985 18.1474  $(2+2*x+2*x^3-2*x^2+x^4)/(x^2+x-1)/(x^3-x-1)$  lgdogf  
A169985 6.97362  $[{a(n+4)-a(n+3)-a(n+2), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4}, ogf]$   
A169986 8.45380  $[ -(x^4+x^3+x^2-x-1)/(x-1)/(x+1)/(x^2+x-1) ogf]$   
A169986 9.77958  $-(2+2*x+3*x^4-8*x^3+6*x^5-3*x^2)/(x-1)/(x+1)/(x^2+x-1)/(x^4+x^3+x^2-x-1)$  lgdogf  
A169998 10.2253  $[{a(n+2)+a(n+1)+2*a(n), a(0) = 1, a(1) = 1}, ogf]$   
A169998 18.6327  $[ (2*x+1)/(2*x^2+x+1) ogf]$   
A169998 21.5133  $-1/4*(-1+x+(-1+7*x)*(-1+x))^{(1/2)}/(-1+x)$  revogf  
A169998 25.8160  $-(-1+4*x+4*x^2)/(1+2*x)/(2*x^2+x+1)$  lgdogf  
A170000 13.6828  $[ -(x+1)/(38*x-1) ogf]$   
A170000 13.7598  $-1/2-19*x+1/2*(1+80*x+1444*x^2)^{(1/2)}$  revogf  
A170000 28.2841  $-39/(x+1)/(38*x-1)$  lgdogf  
A170000 7.02630  $[{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39}, ogf]$   
A170001 13.1236  $-39/2*x-1/2+1/2*(1521*x^2+82*x+1)^{(1/2)}$  revogf  
A170001 13.7541  $[ -(x+1)/(39*x-1) ogf]$   
A170001 28.4345  $-40/(x+1)/(39*x-1)$  lgdogf  
A170001 7.06289  $[{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40}, ogf]$   
A170002 13.8966  $[ -(x+1)/(40*x-1) ogf]$   
A170002 13.9794  $-20*x-1/2+1/2*(1600*x^2+84*x+1)^{(1/2)}$  revogf  
A170002 28.7354  $-41/(x+1)/(40*x-1)$  lgdogf  
A170002 7.13608  $[{a(n+2)-40*a(n+1), a(0) = 1, a(1) = 41}, ogf]$   
A170003 13.2625  $-1/2-41/2*x+1/2*(1+86*x+1681*x^2)^{(1/2)}$  revogf  
A170003 13.8966  $[ -(x+1)/(41*x-1) ogf]$   
A170003 28.7354  $-42/(x+1)/(41*x-1)$  lgdogf  
A170003 7.13608  $[{a(n+2)-41*a(n+1), a(0) = 1, a(1) = 42}, ogf]$   
A170004 13.9678  $[ -(x+1)/(42*x-1) ogf]$   
A170004 14.0526  $-1/2-21*x+1/2*(1+88*x+1764*x^2)^{(1/2)}$  revogf  
A170004 28.8859  $-43/(x+1)/(42*x-1)$  lgdogf  
A170004 7.17268  $[{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43}, ogf]$   
A170005 13.4014  $-1/2-43/2*x+1/2*(1+90*x+1849*x^2)^{(1/2)}$  revogf  
A170005 14.0391  $[ -(x+1)/(43*x-1) ogf]$   
A170005 29.0363  $-44/(x+1)/(43*x-1)$  lgdogf  
A170005 7.20927  $[{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44}, ogf]$   
A170006 14.1816  $[ -(x+1)/(44*x-1) ogf]$   
A170006 14.2722  $-1/2-22*x+1/2*(1+92*x+1936*x^2)^{(1/2)}$  revogf  
A170006 29.3372  $-45/(x+1)/(44*x-1)$  lgdogf  
A170006 7.28246  $[{a(n+2)-44*a(n+1), a(0) = 1, a(1) = 45}, ogf]$   
A170007 13.5403  $-1/2-45/2*x+1/2*(1+94*x+2025*x^2)^{(1/2)}$  revogf  
A170007 14.1816  $[ -(x+1)/(45*x-1) ogf]$   
A170007 29.3372  $-46/(x+1)/(45*x-1)$  lgdogf  
A170007 7.28246  $[{a(n+2)-45*a(n+1), a(0) = 1, a(1) = 46}, ogf]$   
A170008 14.1816  $[ -(x+1)/(46*x-1) ogf]$   
A170008 14.2722  $-1/2-23*x+1/2*(1+96*x+2116*x^2)^{(1/2)}$  revogf  
A170008 29.3372  $-47/(x+1)/(46*x-1)$  lgdogf  
A170008 7.28246  $[{a(n+2)-46*a(n+1), a(0) = 1, a(1) = 47}, ogf]$   
A170009 13.8180  $-47/2*x-1/2+1/2*(2209*x^2+98*x+1)^{(1/2)}$  revogf  
A170009 14.4667  $[ -(x+1)/(47*x-1) ogf]$   
A170009 29.9390  $-48/(x+1)/(47*x-1)$  lgdogf  
A170009 7.42884  $[{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48}, ogf]$   
A170010 13.8180  $-1/2-24*x+1/2*((1+36*x)*(64*x+1))^{(1/2)}$  revogf  
A170010 14.4667  $[ -(x+1)/(48*x-1) ogf]$   
A170010 29.9390  $-49/(x+1)/(48*x-1)$  lgdogf  
A170010 7.42884  $[{a(n+2)-48*a(n+1), a(0) = 1, a(1) = 49}, ogf]$   
A170011 13.4725  $-1/2-49/2*x+1/2*(1+102*x+2401*x^2)^{(1/2)}$  revogf

A170011 14.4667 [  $-(x+1)/(49x-1)$  ogf]  
A170011 29.9390  $-50/(x+1)/(49x-1)$  lgdogf  
A170011 7.42884 [  $\{a(n+2)-49a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A170012 19.2957 [  $-(x+1)/(2x-1)$  ogf]  
A170012 23.3360  $-x-1/2+1/2*(4x^2+8x+1)^{(1/2)}$  revogf  
A170012 43.7550  $-3/(2x-1)/(x+1)$  lgdogf  
A170012 9.91586 [  $\{a(n+2)-2a(n+1), a(0) = 1, a(1) = 3\}$ , ogf]  
A170013 17.6994 [  $-(x+1)/(3x-1)$  ogf]  
A170013 17.8290  $-3/2x-1/2+1/2*((x+1)*(1+9x))^{(1/2)}$  revogf  
A170013 37.7556  $-4/(-1+3x)/(x+1)$  lgdogf  
A170013 9.09553 [  $\{a(n+2)-3a(n+1), a(0) = 1, a(1) = 4\}$ , ogf]  
A170014 17.7799 [  $-(x+1)/(4x-1)$  ogf]  
A170014 18.9748  $-2x-1/2+1/2*(16x^2+12x+1)^{(1/2)}$  revogf  
A170014 40.3215  $-5/(x+1)/(4x-1)$  lgdogf  
A170014 9.13689 [  $\{a(n+2)-4a(n+1), a(0) = 1, a(1) = 5\}$ , ogf]  
A170015 16.6248 [  $-(x+1)/(5x-1)$  ogf]  
A170015 16.7431  $-1/2-5/2x+1/2*(1+14x+25x^2)^{(1/2)}$  revogf  
A170015 37.6720  $-6/(x+1)/(5x-1)$  lgdogf  
A170015 8.54329 [  $\{a(n+2)-5a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A170016 16.3746 [  $-(x+1)/(-1+6x)$  ogf]  
A170016 17.4612  $-3x-1/2+1/2*(36x^2+16x+1)^{(1/2)}$  revogf  
A170016 37.1051  $-7/(x+1)/(6x-1)$  lgdogf  
A170016 8.41471 [  $\{a(n+2)-6a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A170017 15.7883 [  $-(x+1)/(7x-1)$  ogf]  
A170017 15.8940  $-1/2-7/2x+1/2*(1+18x+49x^2)^{(1/2)}$  revogf  
A170017 35.7615  $-8/(x+1)/(7x-1)$  lgdogf  
A170017 8.11343 [  $\{a(n+2)-7a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A170018 16.2741  $-4x-1/2+1/2*((4x+1)*(1+16x))^{(1/2)}$  revogf  
A170018 16.5980 [  $-(x+1)/(8x-1)$  ogf]  
A170018 37.6339  $-9/(x+1)/(8x-1)$  lgdogf  
A170018 8.52951 [  $\{a(n+2)-8a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A170019 15.5180 [  $-(x+1)/(9x-1)$  ogf]  
A170019 15.6219  $-1/2-9/2x+1/2*(1+22x+81x^2)^{(1/2)}$  revogf  
A170019 33.0816  $-10/(x+1)/(9x-1)$  lgdogf  
A170019 7.86529 [  $\{a(n+2)-9a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A170020 14.6040 [  $-(x+1)/(10x-1)$  ogf]  
A170020 15.5254  $-5x-1/2+1/2*(100x^2+24x+1)^{(1/2)}$  revogf  
A170020 30.1883  $-11/(x+1)/(10x-1)$  lgdogf  
A170020 7.49934 [  $\{a(n+2)-10a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A170021 14.2997  $-1/2-11/2x+1/2*(1+26x+121x^2)^{(1/2)}$  revogf  
A170021 14.6040 [  $-(x+1)/(11x-1)$  ogf]  
A170021 30.1883  $-12/(x+1)/(11x-1)$  lgdogf  
A170021 7.49934 [  $\{a(n+2)-11a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A170022 13.1968 [  $-(x+1)/(12x-1)$  ogf]  
A170022 14.0042  $-1/2-6x+1/2*(1+28x+144x^2)^{(1/2)}$  revogf  
A170022 27.2303  $-13/(x+1)/(12x-1)$  lgdogf  
A170022 6.77673 [  $\{a(n+2)-12a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A170023 13.1968  $-1/2-13/2x+1/2*(1+30x+169x^2)^{(1/2)}$  revogf  
A170023 13.4950 [  $-(x+1)/(13x-1)$  ogf]  
A170023 27.8599  $-14/(x+1)/(13x-1)$  lgdogf  
A170023 6.92988 [  $\{a(n+2)-13a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A170024 13.8678 [  $-(x+1)/(14x-1)$  ogf]  
A170024 14.7327  $-1/2-7x+1/2*(1+32x+196x^2)^{(1/2)}$  revogf  
A170024 28.6469  $-15/(1+x)/(14x-1)$  lgdogf  
A170024 7.12131 [  $\{a(n+2)-14a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A170025 13.1036  $-1/2-15/2x+1/2*((1+9x)*(1+25x))^{(1/2)}$  revogf  
A170025 14.0915 [  $-(x+1)/(15x-1)$  ogf]  
A170025 29.1191  $-16/(x+1)/(15x-1)$  lgdogf  
A170025 7.23618 [  $\{a(n+2)-15a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A170026 14.4643 [  $-(x+1)/(16x-1)$  ogf]  
A170026 15.3803  $-1/2-8x+1/2*(1+36x+256x^2)^{(1/2)}$  revogf

A170026 29.9061  $-17/(x+1)/(16*x-1)$  lgdogf  
A170026 7.42761  $[ \{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 17\}, ogf]$   
A170027 14.3897  $-1/2-17/2*x+1/2*(1+38*x+289*x^2)^{(1/2)}$  revogf  
A170027 14.6879  $[ -(x+1)/(17*x-1)$  ogf]  
A170027 30.3783  $-18/(x+1)/(17*x-1)$  lgdogf  
A170027 7.54246  $[ \{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18\}, ogf]$   
A170028 13.0604  $[ -(x+1)/(18*x-1)$  ogf]  
A170028 13.8630  $-1/2-9*x+1/2*(1+40*x+324*x^2)^{(1/2)}$  revogf  
A170028 26.9557  $-19/(x+1)/(18*x-1)$  lgdogf  
A170028 6.70668  $[ \{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19\}, ogf]$   
A170029 12.9144  $-1/2-19/2*x+1/2*(1+42*x+361*x^2)^{(1/2)}$  revogf  
A170029 13.2063  $[ -(x+1)/(19*x-1)$  ogf]  
A170029 27.2638  $-20/(x+1)/(19*x-1)$  lgdogf  
A170029 6.78161  $[ \{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20\}, ogf]$   
A170030 13.4252  $[ -(x+1)/(20*x-1)$  ogf]  
A170030 13.8630  $-1/2-10*x+1/2*(1+44*x+400*x^2)^{(1/2)}$  revogf  
A170030 26.2666  $-21/(1+x)/(-1+20*x)$  lgdogf  
A170030 6.89401  $[ \{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21\}, ogf]$   
A170031 13.2063  $-1/2-21/2*x+1/2*(1+46*x+441*x^2)^{(1/2)}$  revogf  
A170031 13.4981  $[ -(x+1)/(21*x-1)$  ogf]  
A170031 27.8799  $-22/(1+x)/(21*x-1)$  lgdogf  
A170031 6.93147  $[ \{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22\}, ogf]$   
A170032 13.8629  $[ -(x+1)/(22*x-1)$  ogf]  
A170032 14.3250  $-1/2-11*x+1/2*(1+48*x+484*x^2)^{(1/2)}$  revogf  
A170032 28.6501  $-23/(x+1)/(22*x-1)$  lgdogf  
A170032 7.11881  $[ \{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23\}, ogf]$   
A170033 13.6441  $-23/2*x-1/2+1/2*(529*x^2+50*x+1)^{(1/2)}$  revogf  
A170033 13.9359  $[ -(x+1)/(23*x-1)$  ogf]  
A170033 28.8041  $-24/(x+1)/(23*x-1)$  lgdogf  
A170033 7.15628  $[ \{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24\}, ogf]$   
A170034 13.4364  $-12*x-1/2+1/2*((1+16*x)*(1+36*x))^{(1/2)}$  revogf  
A170034 14.0818  $[ -(x+1)/(24*x-1)$  ogf]  
A170034 29.1122  $-25/(x+1)/(24*x-1)$  lgdogf  
A170034 7.23122  $[ \{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25\}, ogf]$   
A170035 13.9359  $-1/2-25/2*x+1/2*(1+54*x+625*x^2)^{(1/2)}$  revogf  
A170035 14.2278  $[ -(x+1)/(25*x-1)$  ogf]  
A170035 29.4203  $-26/(x+1)/(25*x-1)$  lgdogf  
A170035 7.30615  $[ \{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26\}, ogf]$   
A170036 14.3737  $[ -(x+1)/(26*x-1)$  ogf]  
A170036 14.8642  $-13*x-1/2+1/2*(676*x^2+56*x+1)^{(1/2)}$  revogf  
A170036 29.7283  $-27/(x+1)/(26*x-1)$  lgdogf  
A170036 7.38108  $[ \{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27\}, ogf]$   
A170037 14.3007  $-27/2*x-1/2+1/2*(729*x^2+58*x+1)^{(1/2)}$  revogf  
A170037 14.5926  $[ -(x+1)/(27*x-1)$  ogf]  
A170037 30.1904  $-28/(x+1)/(27*x-1)$  lgdogf  
A170037 7.49349  $[ \{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28\}, ogf]$   
A170038 14.6656  $[ -(x+1)/(28*x-1)$  ogf]  
A170038 15.1722  $-14*x-1/2+1/2*(784*x^2+60*x+1)^{(1/2)}$  revogf  
A170038 30.3445  $-29/(x+1)/(28*x-1)$  lgdogf  
A170038 7.53096  $[ \{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29\}, ogf]$   
A170039 14.5196  $-29/2*x-1/2+1/2*(841*x^2+62*x+1)^{(1/2)}$  revogf  
A170039 14.8115  $[ -(x+1)/(29*x-1)$  ogf]  
A170039 30.6525  $-30/(x+1)/(29*x-1)$  lgdogf  
A170039 7.60589  $[ \{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30\}, ogf]$   
A170040 14.8844  $[ -(x+1)/(30*x-1)$  ogf]  
A170040 15.4033  $-15*x-1/2+1/2*(900*x^2+64*x+1)^{(1/2)}$  revogf  
A170040 30.8066  $-31/(x+1)/(30*x-1)$  lgdogf  
A170040 7.64335  $[ \{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31\}, ogf]$   
A170041 14.5926  $-31/2*x-1/2+1/2*(961*x^2+66*x+1)^{(1/2)}$  revogf  
A170041 14.8844  $[ -(x+1)/(31*x-1)$  ogf]  
A170041 30.8066  $-32/(x+1)/(31*x-1)$  lgdogf



A170041 7.64335 [ $\{a(n+2)-31a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A170042 15.3952 [ $-(x+1)/(32x-1)$  ogf]  
A170042 15.5115  $-1/2-16x+1/2*(1+68x+1024x^2)^{(1/2)}$  revogf  
A170042 31.8848  $-33/(x+1)/(32x-1)$  lgdogf  
A170042 7.90562 [ $\{a(n+2)-32a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A170043 14.7161  $-1/2-33/2x+1/2*(1+70x+1089x^2)^{(1/2)}$  revogf  
A170043 15.3952 [ $-(x+1)/(33x-1)$  ogf]  
A170043 31.8848  $-34/(x+1)/(33x-1)$  lgdogf  
A170043 7.90562 [ $\{a(n+2)-33a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A170044 15.3952 [ $-(x+1)/(34x-1)$  ogf]  
A170044 15.5115  $-1/2-17x+1/2*(1+72x+1156x^2)^{(1/2)}$  revogf  
A170044 31.8848  $-35/(x+1)/(34x-1)$  lgdogf  
A170044 7.90562 [ $\{a(n+2)-34a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A170045 14.1334  $-35/2x-1/2+1/2*((1+25x)*(1+49x))^{(1/2)}$  revogf  
A170045 15.5411 [ $-(x+1)/(35x-1)$  ogf]  
A170045 32.1929  $-36/(x+1)/(35x-1)$  lgdogf  
A170045 7.98057 [ $\{a(n+2)-35a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A170046 13.5403 [ $-(x+1)/(36x-1)$  ogf]  
A170046 13.6134  $-1/2-18x+1/2*(1+76x+1296x^2)^{(1/2)}$  revogf  
A170046 27.9832  $-37/(x+1)/(36x-1)$  lgdogf  
A170046 6.95311 [ $\{a(n+2)-36a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A170047 12.9153  $-1/2-37/2x+1/2*(1+78x+1369x^2)^{(1/2)}$  revogf  
A170047 13.5403 [ $-(x+1)/(37x-1)$  ogf]  
A170047 27.9832  $-38/(x+1)/(37x-1)$  lgdogf  
A170047 6.95311 [ $\{a(n+2)-37a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A170048 13.6828 [ $-(x+1)/(38x-1)$  ogf]  
A170048 13.7598  $-1/2-19x+1/2*(1+80x+1444x^2)^{(1/2)}$  revogf  
A170048 28.2841  $-39/(x+1)/(38x-1)$  lgdogf  
A170048 7.02630 [ $\{a(n+2)-38a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A170049 13.1236  $-39/2x-1/2+1/2*(1521x^2+82x+1)^{(1/2)}$  revogf  
A170049 13.7541 [ $-(x+1)/(39x-1)$  ogf]  
A170049 28.4345  $-40/(x+1)/(39x-1)$  lgdogf  
A170049 7.06289 [ $\{a(n+2)-39a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A170050 13.8966 [ $-(x+1)/(40x-1)$  ogf]  
A170050 13.9794  $-20x-1/2+1/2*(1600x^2+84x+1)^{(1/2)}$  revogf  
A170050 28.7354  $-41/(x+1)/(40x-1)$  lgdogf  
A170050 7.13608 [ $\{a(n+2)-40a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A170051 13.2625  $-1/2-41/2x+1/2*(1+86x+1681x^2)^{(1/2)}$  revogf  
A170051 13.8966 [ $-(x+1)/(41x-1)$  ogf]  
A170051 28.7354  $-42/(x+1)/(41x-1)$  lgdogf  
A170051 7.13608 [ $\{a(n+2)-41a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A170052 13.9678 [ $-(x+1)/(42x-1)$  ogf]  
A170052 14.0526  $-1/2-21x+1/2*(1+88x+1764x^2)^{(1/2)}$  revogf  
A170052 28.8859  $-43/(x+1)/(42x-1)$  lgdogf  
A170052 7.17268 [ $\{a(n+2)-42a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A170053 13.4014  $-1/2-43/2x+1/2*(1+90x+1849x^2)^{(1/2)}$  revogf  
A170053 14.0391 [ $-(x+1)/(43x-1)$  ogf]  
A170053 29.0363  $-44/(x+1)/(43x-1)$  lgdogf  
A170053 7.20927 [ $\{a(n+2)-43a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A170054 14.1816 [ $-(x+1)/(44x-1)$  ogf]  
A170054 14.2722  $-1/2-22x+1/2*(1+92x+1936x^2)^{(1/2)}$  revogf  
A170054 29.3372  $-45/(x+1)/(44x-1)$  lgdogf  
A170054 7.28246 [ $\{a(n+2)-44a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A170055 13.5403  $-1/2-45/2x+1/2*(1+94x+2025x^2)^{(1/2)}$  revogf  
A170055 14.1816 [ $-(x+1)/(45x-1)$  ogf]  
A170055 29.3372  $-46/(x+1)/(45x-1)$  lgdogf  
A170055 7.28246 [ $\{a(n+2)-45a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A170056 14.1816 [ $-(x+1)/(46x-1)$  ogf]  
A170056 14.2722  $-1/2-23x+1/2*(1+96x+2116x^2)^{(1/2)}$  revogf  
A170056 29.3372  $-47/(x+1)/(46x-1)$  lgdogf  
A170056 7.28246 [ $\{a(n+2)-46a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]

A170057 13.8180  $-47/2*x-1/2+1/2*(2209*x^2+98*x+1)^{(1/2)}$  revogf  
A170057 14.4667  $[-(x+1)/(47*x-1)$  ogf]  
A170057 29.9390  $-48/(x+1)/(47*x-1)$  lgdogf  
A170057 7.42884  $[{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48}],$  ogf]  
A170058 13.8180  $-1/2-24*x+1/2*((1+36*x)*(64*x+1))^{(1/2)}$  revogf  
A170058 14.4667  $[-(x+1)/(48*x-1)$  ogf]  
A170058 29.9390  $-49/(x+1)/(48*x-1)$  lgdogf  
A170058 7.42884  $[{a(n+2)-48*a(n+1), a(0) = 1, a(1) = 49}],$  ogf]  
A170059 13.4725  $-1/2-49/2*x+1/2*(1+102*x+2401*x^2)^{(1/2)}$  revogf  
A170059 14.4667  $[-(x+1)/(49*x-1)$  ogf]  
A170059 29.9390  $-50/(x+1)/(49*x-1)$  lgdogf  
A170059 7.42884  $[{a(n+2)-49*a(n+1), a(0) = 1, a(1) = 50}],$  ogf]  
A170060 19.2957  $[-(x+1)/(2*x-1)$  ogf]  
A170060 23.3360  $-x-1/2+1/2*(4*x^2+8*x+1)^{(1/2)}$  revogf  
A170060 43.7550  $-3/(2*x-1)/(x+1)$  lgdogf  
A170060 9.91586  $[{a(n+2)-2*a(n+1), a(0) = 1, a(1) = 3}],$  ogf]  
A170061 17.6994  $[-(x+1)/(3*x-1)$  ogf]  
A170061 17.8290  $-3/2*x-1/2+1/2*((x+1)*(1+9*x))^{(1/2)}$  revogf  
A170061 37.7556  $-4/(-1+3*x)/(x+1)$  lgdogf  
A170061 9.09553  $[{a(n+2)-3*a(n+1), a(0) = 1, a(1) = 4}],$  ogf]  
A170062 17.7799  $[-(x+1)/(4*x-1)$  ogf]  
A170062 18.9748  $-2*x-1/2+1/2*(16*x^2+12*x+1)^{(1/2)}$  revogf  
A170062 40.3215  $-5/(x+1)/(4*x-1)$  lgdogf  
A170062 9.13689  $[{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 5}],$  ogf]  
A170063 16.6248  $[-(x+1)/(5*x-1)$  ogf]  
A170063 16.7431  $-1/2-5/2*x+1/2*(1+14*x+25*x^2)^{(1/2)}$  revogf  
A170063 37.6720  $-6/(x+1)/(5*x-1)$  lgdogf  
A170063 8.54329  $[{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 6}],$  ogf]  
A170064 16.3746  $[-(x+1)/(-1+6*x)$  ogf]  
A170064 17.4612  $-3*x-1/2+1/2*(36*x^2+16*x+1)^{(1/2)}$  revogf  
A170064 37.1051  $-7/(x+1)/(6*x-1)$  lgdogf  
A170064 8.41471  $[{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 7}],$  ogf]  
A170065 15.7883  $[-(x+1)/(7*x-1)$  ogf]  
A170065 15.8940  $-1/2-7/2*x+1/2*(1+18*x+49*x^2)^{(1/2)}$  revogf  
A170065 35.7615  $-8/(x+1)/(7*x-1)$  lgdogf  
A170065 8.11343  $[{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 8}],$  ogf]  
A170066 16.2741  $-4*x-1/2+1/2*((4*x+1)*(1+16*x))^{(1/2)}$  revogf  
A170066 16.5980  $[-(x+1)/(8*x-1)$  ogf]  
A170066 37.6339  $-9/(x+1)/(8*x-1)$  lgdogf  
A170066 8.52951  $[{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9}],$  ogf]  
A170067 15.5180  $[-(x+1)/(9*x-1)$  ogf]  
A170067 15.6219  $-1/2-9/2*x+1/2*(1+22*x+81*x^2)^{(1/2)}$  revogf  
A170067 33.0816  $-10/(x+1)/(9*x-1)$  lgdogf  
A170067 7.86529  $[{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 10}],$  ogf]  
A170068 14.6040  $[-(x+1)/(10*x-1)$  ogf]  
A170068 15.5254  $-5*x-1/2+1/2*(100*x^2+24*x+1)^{(1/2)}$  revogf  
A170068 30.1883  $-11/(x+1)/(10*x-1)$  lgdogf  
A170068 7.49934  $[{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 11}],$  ogf]  
A170069 14.2997  $-1/2-11/2*x+1/2*(1+26*x+121*x^2)^{(1/2)}$  revogf  
A170069 14.6040  $[-(x+1)/(11*x-1)$  ogf]  
A170069 30.1883  $-12/(x+1)/(11*x-1)$  lgdogf  
A170069 7.49934  $[{a(n+2)-11*a(n+1), a(0) = 1, a(1) = 12}],$  ogf]  
A170070 13.1968  $[-(x+1)/(12*x-1)$  ogf]  
A170070 14.0042  $-1/2-6*x+1/2*(1+28*x+144*x^2)^{(1/2)}$  revogf  
A170070 27.2303  $-13/(x+1)/(12*x-1)$  lgdogf  
A170070 6.77673  $[{a(n+2)-12*a(n+1), a(0) = 1, a(1) = 13}],$  ogf]  
A170071 13.1968  $-1/2-13/2*x+1/2*(1+30*x+169*x^2)^{(1/2)}$  revogf  
A170071 13.4950  $[-(x+1)/(13*x-1)$  ogf]  
A170071 27.8599  $-14/(x+1)/(13*x-1)$  lgdogf  
A170071 6.92988  $[{a(n+2)-13*a(n+1), a(0) = 1, a(1) = 14}],$  ogf]  
A170072 13.8678  $[-(x+1)/(14*x-1)$  ogf]

A170072 14.7327  $-1/2-7*x+1/2*(1+32*x+196*x^2)^{(1/2)}$  revogf  
A170072 28.6469  $-15/(1+x)/(14*x-1)$  lgdogf  
A170072 7.12131  $[{a(n+2)-14*a(n+1), a(0) = 1, a(1) = 15}],$  ogf]  
A170073 13.1036  $-1/2-15/2*x+1/2*((1+9*x)*(1+25*x))^{(1/2)}$  revogf  
A170073 14.0915  $[ -(x+1)/(15*x-1)$  ogf]  
A170073 29.1191  $-16/(x+1)/(15*x-1)$  lgdogf  
A170073 7.23618  $[{a(n+2)-15*a(n+1), a(0) = 1, a(1) = 16}],$  ogf]  
A170074 14.4643  $[ -(x+1)/(16*x-1)$  ogf]  
A170074 15.3803  $-1/2-8*x+1/2*(1+36*x+256*x^2)^{(1/2)}$  revogf  
A170074 29.9061  $-17/(x+1)/(16*x-1)$  lgdogf  
A170074 7.42761  $[{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 17}],$  ogf]  
A170075 14.3897  $-1/2-17/2*x+1/2*(1+38*x+289*x^2)^{(1/2)}$  revogf  
A170075 14.6879  $[ -(x+1)/(17*x-1)$  ogf]  
A170075 30.3783  $-18/(x+1)/(17*x-1)$  lgdogf  
A170075 7.54246  $[{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18}],$  ogf]  
A170076 13.0604  $[ -(x+1)/(18*x-1)$  ogf]  
A170076 13.8630  $-1/2-9*x+1/2*(1+40*x+324*x^2)^{(1/2)}$  revogf  
A170076 26.9557  $-19/(x+1)/(18*x-1)$  lgdogf  
A170076 6.70668  $[{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19}],$  ogf]  
A170077 12.9144  $-1/2-19/2*x+1/2*(1+42*x+361*x^2)^{(1/2)}$  revogf  
A170077 13.2063  $[ -(x+1)/(19*x-1)$  ogf]  
A170077 27.2638  $-20/(x+1)/(19*x-1)$  lgdogf  
A170077 6.78161  $[{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20}],$  ogf]  
A170078 13.4252  $[ -(x+1)/(20*x-1)$  ogf]  
A170078 13.8630  $-1/2-10*x+1/2*(1+44*x+400*x^2)^{(1/2)}$  revogf  
A170078 26.2666  $-21/(1+x)/(-1+20*x)$  lgdogf  
A170078 6.89401  $[{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21}],$  ogf]  
A170079 13.2063  $-1/2-21/2*x+1/2*(1+46*x+441*x^2)^{(1/2)}$  revogf  
A170079 13.4981  $[ -(x+1)/(21*x-1)$  ogf]  
A170079 27.8799  $-22/(1+x)/(21*x-1)$  lgdogf  
A170079 6.93147  $[{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22}],$  ogf]  
A170080 13.8629  $[ -(x+1)/(22*x-1)$  ogf]  
A170080 14.3250  $-1/2-11*x+1/2*(1+48*x+484*x^2)^{(1/2)}$  revogf  
A170080 28.6501  $-23/(x+1)/(22*x-1)$  lgdogf  
A170080 7.11881  $[{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23}],$  ogf]  
A170081 13.6441  $-23/2*x-1/2+1/2*(529*x^2+50*x+1)^{(1/2)}$  revogf  
A170081 13.9359  $[ -(x+1)/(23*x-1)$  ogf]  
A170081 28.8041  $-24/(x+1)/(23*x-1)$  lgdogf  
A170081 7.15628  $[{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24}],$  ogf]  
A170082 13.4364  $-12*x-1/2+1/2*((1+16*x)*(1+36*x))^{(1/2)}$  revogf  
A170082 14.0818  $[ -(x+1)/(24*x-1)$  ogf]  
A170082 29.1122  $-25/(x+1)/(24*x-1)$  lgdogf  
A170082 7.23122  $[{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25}],$  ogf]  
A170083 13.9359  $-1/2-25/2*x+1/2*(1+54*x+625*x^2)^{(1/2)}$  revogf  
A170083 14.2278  $[ -(x+1)/(25*x-1)$  ogf]  
A170083 29.4203  $-26/(x+1)/(25*x-1)$  lgdogf  
A170083 7.30615  $[{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26}],$  ogf]  
A170084 14.3737  $[ -(x+1)/(26*x-1)$  ogf]  
A170084 14.8642  $-13*x-1/2+1/2*(676*x^2+56*x+1)^{(1/2)}$  revogf  
A170084 29.7283  $-27/(x+1)/(26*x-1)$  lgdogf  
A170084 7.38108  $[{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27}],$  ogf]  
A170085 14.3007  $-27/2*x-1/2+1/2*(729*x^2+58*x+1)^{(1/2)}$  revogf  
A170085 14.5926  $[ -(x+1)/(27*x-1)$  ogf]  
A170085 30.1904  $-28/(x+1)/(27*x-1)$  lgdogf  
A170085 7.49349  $[{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28}],$  ogf]  
A170086 14.6656  $[ -(x+1)/(28*x-1)$  ogf]  
A170086 15.1722  $-14*x-1/2+1/2*(784*x^2+60*x+1)^{(1/2)}$  revogf  
A170086 30.3445  $-29/(x+1)/(28*x-1)$  lgdogf  
A170086 7.53096  $[{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29}],$  ogf]  
A170087 14.5196  $-29/2*x-1/2+1/2*(841*x^2+62*x+1)^{(1/2)}$  revogf  
A170087 14.8115  $[ -(x+1)/(29*x-1)$  ogf]

A170087 30.6525  $-30/(x+1)/(29*x-1)$  lgdogf  
A170087 7.60589  $[ \{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30\}, ogf]$   
A170088 14.8844  $[ -(x+1)/(30*x-1)$  ogf]  
A170088 15.4033  $-15*x-1/2+1/2*(900*x^2+64*x+1)^{(1/2)}$  revogf  
A170088 30.8066  $-31/(x+1)/(30*x-1)$  lgdogf  
A170088 7.64335  $[ \{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31\}, ogf]$   
A170089 14.5926  $-31/2*x-1/2+1/2*(961*x^2+66*x+1)^{(1/2)}$  revogf  
A170089 14.8844  $[ -(x+1)/(31*x-1)$  ogf]  
A170089 30.8066  $-32/(x+1)/(31*x-1)$  lgdogf  
A170089 7.64335  $[ \{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32\}, ogf]$   
A170090 15.3952  $[ -(x+1)/(32*x-1)$  ogf]  
A170090 15.5115  $-1/2-16*x+1/2*(1+68*x+1024*x^2)^{(1/2)}$  revogf  
A170090 31.8848  $-33/(x+1)/(32*x-1)$  lgdogf  
A170090 7.90562  $[ \{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33\}, ogf]$   
A170091 14.7161  $-1/2-33/2*x+1/2*(1+70*x+1089*x^2)^{(1/2)}$  revogf  
A170091 15.3952  $[ -(x+1)/(33*x-1)$  ogf]  
A170091 31.8848  $-34/(x+1)/(33*x-1)$  lgdogf  
A170091 7.90562  $[ \{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34\}, ogf]$   
A170092 15.3952  $[ -(x+1)/(34*x-1)$  ogf]  
A170092 15.5115  $-1/2-17*x+1/2*(1+72*x+1156*x^2)^{(1/2)}$  revogf  
A170092 31.8848  $-35/(x+1)/(34*x-1)$  lgdogf  
A170092 7.90562  $[ \{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35\}, ogf]$   
A170093 14.1334  $-35/2*x-1/2+1/2*((1+25*x)*(1+49*x))^{(1/2)}$  revogf  
A170093 15.5411  $[ -(x+1)/(35*x-1)$  ogf]  
A170093 32.1929  $-36/(x+1)/(35*x-1)$  lgdogf  
A170093 7.98057  $[ \{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36\}, ogf]$   
A170094 13.5403  $[ -(x+1)/(36*x-1)$  ogf]  
A170094 13.6134  $-1/2-18*x+1/2*(1+76*x+1296*x^2)^{(1/2)}$  revogf  
A170094 27.9832  $-37/(x+1)/(36*x-1)$  lgdogf  
A170094 6.95311  $[ \{a(n+2)-36*a(n+1), a(0) = 1, a(1) = 37\}, ogf]$   
A170095 12.9153  $-1/2-37/2*x+1/2*(1+78*x+1369*x^2)^{(1/2)}$  revogf  
A170095 13.5403  $[ -(x+1)/(37*x-1)$  ogf]  
A170095 27.9832  $-38/(x+1)/(37*x-1)$  lgdogf  
A170095 6.95311  $[ \{a(n+2)-37*a(n+1), a(0) = 1, a(1) = 38\}, ogf]$   
A170096 13.6828  $[ -(x+1)/(38*x-1)$  ogf]  
A170096 13.7598  $-1/2-19*x+1/2*(1+80*x+1444*x^2)^{(1/2)}$  revogf  
A170096 28.2841  $-39/(x+1)/(38*x-1)$  lgdogf  
A170096 7.02630  $[ \{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39\}, ogf]$   
A170097 13.1236  $-39/2*x-1/2+1/2*(1521*x^2+82*x+1)^{(1/2)}$  revogf  
A170097 13.7541  $[ -(x+1)/(39*x-1)$  ogf]  
A170097 28.4345  $-40/(x+1)/(39*x-1)$  lgdogf  
A170097 7.06289  $[ \{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40\}, ogf]$   
A170098 13.8966  $[ -(x+1)/(40*x-1)$  ogf]  
A170098 13.9794  $-20*x-1/2+1/2*(1600*x^2+84*x+1)^{(1/2)}$  revogf  
A170098 28.7354  $-41/(x+1)/(40*x-1)$  lgdogf  
A170098 7.13608  $[ \{a(n+2)-40*a(n+1), a(0) = 1, a(1) = 41\}, ogf]$   
A170099 13.2625  $-1/2-41/2*x+1/2*(1+86*x+1681*x^2)^{(1/2)}$  revogf  
A170099 13.8966  $[ -(x+1)/(41*x-1)$  ogf]  
A170099 28.7354  $-42/(x+1)/(41*x-1)$  lgdogf  
A170099 7.13608  $[ \{a(n+2)-41*a(n+1), a(0) = 1, a(1) = 42\}, ogf]$   
A170100 13.9678  $[ -(x+1)/(42*x-1)$  ogf]  
A170100 14.0526  $-1/2-21*x+1/2*(1+88*x+1764*x^2)^{(1/2)}$  revogf  
A170100 28.8859  $-43/(x+1)/(42*x-1)$  lgdogf  
A170100 7.17268  $[ \{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43\}, ogf]$   
A170101 13.4014  $-1/2-43/2*x+1/2*(1+90*x+1849*x^2)^{(1/2)}$  revogf  
A170101 14.0391  $[ -(x+1)/(43*x-1)$  ogf]  
A170101 29.0363  $-44/(x+1)/(43*x-1)$  lgdogf  
A170101 7.20927  $[ \{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44\}, ogf]$   
A170102 14.1816  $[ -(x+1)/(44*x-1)$  ogf]  
A170102 14.2722  $-1/2-22*x+1/2*(1+92*x+1936*x^2)^{(1/2)}$  revogf  
A170102 29.3372  $-45/(x+1)/(44*x-1)$  lgdogf

A170102 7.28246 [ $\{a(n+2)-44a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A170103 13.5403  $-1/2-45/2*x+1/2*(1+94*x+2025*x^2)^{(1/2)}$  revogf  
A170103 14.1816 [ $-(x+1)/(45*x-1)$  ogf]  
A170103 29.3372  $-46/(x+1)/(45*x-1)$  lgdogf  
A170103 7.28246 [ $\{a(n+2)-45a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A170104 14.1816 [ $-(x+1)/(46*x-1)$  ogf]  
A170104 14.2722  $-1/2-23*x+1/2*(1+96*x+2116*x^2)^{(1/2)}$  revogf  
A170104 29.3372  $-47/(x+1)/(46*x-1)$  lgdogf  
A170104 7.28246 [ $\{a(n+2)-46a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A170105 13.8180  $-47/2*x-1/2+1/2*(2209*x^2+98*x+1)^{(1/2)}$  revogf  
A170105 14.4667 [ $-(x+1)/(47*x-1)$  ogf]  
A170105 29.9390  $-48/(x+1)/(47*x-1)$  lgdogf  
A170105 7.42884 [ $\{a(n+2)-47a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A170106 13.8180  $-1/2-24*x+1/2*((1+36*x)*(64*x+1))^{(1/2)}$  revogf  
A170106 14.4667 [ $-(x+1)/(48*x-1)$  ogf]  
A170106 29.9390  $-49/(x+1)/(48*x-1)$  lgdogf  
A170106 7.42884 [ $\{a(n+2)-48a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A170107 13.4725  $-1/2-49/2*x+1/2*(1+102*x+2401*x^2)^{(1/2)}$  revogf  
A170107 14.4667 [ $-(x+1)/(49*x-1)$  ogf]  
A170107 29.9390  $-50/(x+1)/(49*x-1)$  lgdogf  
A170107 7.42884 [ $\{a(n+2)-49a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A170108 19.2957 [ $-(x+1)/(2*x-1)$  ogf]  
A170108 23.3360  $-x-1/2+1/2*(4*x^2+8*x+1)^{(1/2)}$  revogf  
A170108 43.7550  $-3/(2*x-1)/(x+1)$  lgdogf  
A170108 9.91586 [ $\{a(n+2)-2a(n+1), a(0) = 1, a(1) = 3\}$ , ogf]  
A170109 17.6994 [ $-(x+1)/(3*x-1)$  ogf]  
A170109 17.8290  $-3/2*x-1/2+1/2*((x+1)*(1+9*x))^{(1/2)}$  revogf  
A170109 37.7556  $-4/(-1+3*x)/(x+1)$  lgdogf  
A170109 9.09553 [ $\{a(n+2)-3a(n+1), a(0) = 1, a(1) = 4\}$ , ogf]  
A170110 17.7799 [ $-(x+1)/(4*x-1)$  ogf]  
A170110 18.9748  $-2*x-1/2+1/2*(16*x^2+12*x+1)^{(1/2)}$  revogf  
A170110 40.3215  $-5/(x+1)/(4*x-1)$  lgdogf  
A170110 9.13689 [ $\{a(n+2)-4a(n+1), a(0) = 1, a(1) = 5\}$ , ogf]  
A170111 16.6248 [ $-(x+1)/(5*x-1)$  ogf]  
A170111 16.7431  $-1/2-5/2*x+1/2*(1+14*x+25*x^2)^{(1/2)}$  revogf  
A170111 37.6720  $-6/(x+1)/(5*x-1)$  lgdogf  
A170111 8.54329 [ $\{a(n+2)-5a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A170112 16.3746 [ $-(x+1)/(-1+6*x)$  ogf]  
A170112 17.4612  $-3*x-1/2+1/2*(36*x^2+16*x+1)^{(1/2)}$  revogf  
A170112 37.1051  $-7/(x+1)/(6*x-1)$  lgdogf  
A170112 8.41471 [ $\{a(n+2)-6a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A170113 15.7883 [ $-(x+1)/(7*x-1)$  ogf]  
A170113 15.8940  $-1/2-7/2*x+1/2*(1+18*x+49*x^2)^{(1/2)}$  revogf  
A170113 35.7615  $-8/(x+1)/(7*x-1)$  lgdogf  
A170113 8.11343 [ $\{a(n+2)-7a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A170114 16.2741  $-4*x-1/2+1/2*((4*x+1)*(1+16*x))^{(1/2)}$  revogf  
A170114 16.5980 [ $-(x+1)/(8*x-1)$  ogf]  
A170114 37.6339  $-9/(x+1)/(8*x-1)$  lgdogf  
A170114 8.52951 [ $\{a(n+2)-8a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A170115 15.5180 [ $-(x+1)/(9*x-1)$  ogf]  
A170115 15.6219  $-1/2-9/2*x+1/2*(1+22*x+81*x^2)^{(1/2)}$  revogf  
A170115 33.0816  $-10/(x+1)/(9*x-1)$  lgdogf  
A170115 7.86529 [ $\{a(n+2)-9a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A170116 14.6040 [ $-(x+1)/(10*x-1)$  ogf]  
A170116 15.5254  $-5*x-1/2+1/2*(100*x^2+24*x+1)^{(1/2)}$  revogf  
A170116 30.1883  $-11/(x+1)/(10*x-1)$  lgdogf  
A170116 7.49934 [ $\{a(n+2)-10a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A170117 14.2997  $-1/2-11/2*x+1/2*(1+26*x+121*x^2)^{(1/2)}$  revogf  
A170117 14.6040 [ $-(x+1)/(11*x-1)$  ogf]  
A170117 30.1883  $-12/(x+1)/(11*x-1)$  lgdogf  
A170117 7.49934 [ $\{a(n+2)-11a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]

A170118 13.1968 [  $-(x+1)/(12x-1)$  ogf]  
A170118 14.0042  $-1/2-6x+1/2*(1+28x+144x^2)^{(1/2)}$  revogf  
A170118 27.2303  $-13/(x+1)/(12x-1)$  lgdogf  
A170118 6.77673 [  $\{a(n+2)-12a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A170119 13.1968  $-1/2-13/2x+1/2*(1+30x+169x^2)^{(1/2)}$  revogf  
A170119 13.4950 [  $-(x+1)/(13x-1)$  ogf]  
A170119 27.8599  $-14/(x+1)/(13x-1)$  lgdogf  
A170119 6.92988 [  $\{a(n+2)-13a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A170120 13.8678 [  $-(x+1)/(14x-1)$  ogf]  
A170120 14.7327  $-1/2-7x+1/2*(1+32x+196x^2)^{(1/2)}$  revogf  
A170120 28.6469  $-15/(1+x)/(14x-1)$  lgdogf  
A170120 7.12131 [  $\{a(n+2)-14a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A170121 13.1036  $-1/2-15/2x+1/2*((1+9x)*(1+25x))^{(1/2)}$  revogf  
A170121 14.0915 [  $-(x+1)/(15x-1)$  ogf]  
A170121 29.1191  $-16/(x+1)/(15x-1)$  lgdogf  
A170121 7.23618 [  $\{a(n+2)-15a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A170122 14.4643 [  $-(x+1)/(16x-1)$  ogf]  
A170122 15.3803  $-1/2-8x+1/2*(1+36x+256x^2)^{(1/2)}$  revogf  
A170122 29.9061  $-17/(x+1)/(16x-1)$  lgdogf  
A170122 7.42761 [  $\{a(n+2)-16a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A170123 14.3897  $-1/2-17/2x+1/2*(1+38x+289x^2)^{(1/2)}$  revogf  
A170123 14.6879 [  $-(x+1)/(17x-1)$  ogf]  
A170123 30.3783  $-18/(x+1)/(17x-1)$  lgdogf  
A170123 7.54246 [  $\{a(n+2)-17a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A170124 13.0604 [  $-(x+1)/(18x-1)$  ogf]  
A170124 13.8630  $-1/2-9x+1/2*(1+40x+324x^2)^{(1/2)}$  revogf  
A170124 26.9557  $-19/(x+1)/(18x-1)$  lgdogf  
A170124 6.70668 [  $\{a(n+2)-18a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A170125 12.9144  $-1/2-19/2x+1/2*(1+42x+361x^2)^{(1/2)}$  revogf  
A170125 13.2063 [  $-(x+1)/(19x-1)$  ogf]  
A170125 27.2638  $-20/(x+1)/(19x-1)$  lgdogf  
A170125 6.78161 [  $\{a(n+2)-19a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A170126 13.4252 [  $-(x+1)/(20x-1)$  ogf]  
A170126 13.8630  $-1/2-10x+1/2*(1+44x+400x^2)^{(1/2)}$  revogf  
A170126 26.2666  $-21/(1+x)/(-1+20x)$  lgdogf  
A170126 6.89401 [  $\{a(n+2)-20a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A170127 13.2063  $-1/2-21/2x+1/2*(1+46x+441x^2)^{(1/2)}$  revogf  
A170127 13.4981 [  $-(x+1)/(21x-1)$  ogf]  
A170127 27.8799  $-22/(1+x)/(21x-1)$  lgdogf  
A170127 6.93147 [  $\{a(n+2)-21a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A170128 13.8629 [  $-(x+1)/(22x-1)$  ogf]  
A170128 14.3250  $-1/2-11x+1/2*(1+48x+484x^2)^{(1/2)}$  revogf  
A170128 28.6501  $-23/(x+1)/(22x-1)$  lgdogf  
A170128 7.11881 [  $\{a(n+2)-22a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A170129 13.6441  $-23/2x-1/2+1/2*(529x^2+50x+1)^{(1/2)}$  revogf  
A170129 13.9359 [  $-(x+1)/(23x-1)$  ogf]  
A170129 28.8041  $-24/(x+1)/(23x-1)$  lgdogf  
A170129 7.15628 [  $\{a(n+2)-23a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A170130 13.4364  $-12x-1/2+1/2*((1+16x)*(1+36x))^{(1/2)}$  revogf  
A170130 14.0818 [  $-(x+1)/(24x-1)$  ogf]  
A170130 29.1122  $-25/(x+1)/(24x-1)$  lgdogf  
A170130 7.23122 [  $\{a(n+2)-24a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A170131 13.9359  $-1/2-25/2x+1/2*(1+54x+625x^2)^{(1/2)}$  revogf  
A170131 14.2278 [  $-(x+1)/(25x-1)$  ogf]  
A170131 29.4203  $-26/(x+1)/(25x-1)$  lgdogf  
A170131 7.30615 [  $\{a(n+2)-25a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A170132 14.3737 [  $-(x+1)/(26x-1)$  ogf]  
A170132 14.8642  $-13x-1/2+1/2*(676x^2+56x+1)^{(1/2)}$  revogf  
A170132 29.7283  $-27/(x+1)/(26x-1)$  lgdogf  
A170132 7.38108 [  $\{a(n+2)-26a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A170133 14.3007  $-27/2x-1/2+1/2*(729x^2+58x+1)^{(1/2)}$  revogf

A170133 14.5926 [  $-(x+1)/(27x-1)$  ogf]  
A170133 30.1904  $-28/(x+1)/(27x-1)$  lgdogf  
A170133 7.49349 [  $\{a(n+2)-27a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A170134 14.6656 [  $-(x+1)/(28x-1)$  ogf]  
A170134 15.1722  $-14x-1/2+1/2*(784x^2+60x+1)^{(1/2)}$  revogf  
A170134 30.3445  $-29/(x+1)/(28x-1)$  lgdogf  
A170134 7.53096 [  $\{a(n+2)-28a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A170135 14.5196  $-29/2x-1/2+1/2*(841x^2+62x+1)^{(1/2)}$  revogf  
A170135 14.8115 [  $-(x+1)/(29x-1)$  ogf]  
A170135 30.6525  $-30/(x+1)/(29x-1)$  lgdogf  
A170135 7.60589 [  $\{a(n+2)-29a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A170136 14.8844 [  $-(x+1)/(30x-1)$  ogf]  
A170136 15.4033  $-15x-1/2+1/2*(900x^2+64x+1)^{(1/2)}$  revogf  
A170136 30.8066  $-31/(x+1)/(30x-1)$  lgdogf  
A170136 7.64335 [  $\{a(n+2)-30a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A170137 14.5926  $-31/2x-1/2+1/2*(961x^2+66x+1)^{(1/2)}$  revogf  
A170137 14.8844 [  $-(x+1)/(31x-1)$  ogf]  
A170137 30.8066  $-32/(x+1)/(31x-1)$  lgdogf  
A170137 7.64335 [  $\{a(n+2)-31a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A170138 15.3952 [  $-(x+1)/(32x-1)$  ogf]  
A170138 15.5115  $-1/2-16x+1/2*(1+68x+1024x^2)^{(1/2)}$  revogf  
A170138 31.8848  $-33/(x+1)/(32x-1)$  lgdogf  
A170138 7.90562 [  $\{a(n+2)-32a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A170139 14.7161  $-1/2-33/2x+1/2*(1+70x+1089x^2)^{(1/2)}$  revogf  
A170139 15.3952 [  $-(x+1)/(33x-1)$  ogf]  
A170139 31.8848  $-34/(x+1)/(33x-1)$  lgdogf  
A170139 7.90562 [  $\{a(n+2)-33a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A170140 15.3952 [  $-(x+1)/(34x-1)$  ogf]  
A170140 15.5115  $-1/2-17x+1/2*(1+72x+1156x^2)^{(1/2)}$  revogf  
A170140 31.8848  $-35/(x+1)/(34x-1)$  lgdogf  
A170140 7.90562 [  $\{a(n+2)-34a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A170141 14.1334  $-35/2x-1/2+1/2*((1+25x)*(1+49x))^{(1/2)}$  revogf  
A170141 15.5411 [  $-(x+1)/(35x-1)$  ogf]  
A170141 32.1929  $-36/(x+1)/(35x-1)$  lgdogf  
A170141 7.98057 [  $\{a(n+2)-35a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A170142 13.5403 [  $-(x+1)/(36x-1)$  ogf]  
A170142 13.6134  $-1/2-18x+1/2*(1+76x+1296x^2)^{(1/2)}$  revogf  
A170142 27.9832  $-37/(x+1)/(36x-1)$  lgdogf  
A170142 6.95311 [  $\{a(n+2)-36a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A170143 12.9153  $-1/2-37/2x+1/2*(1+78x+1369x^2)^{(1/2)}$  revogf  
A170143 13.5403 [  $-(x+1)/(37x-1)$  ogf]  
A170143 27.9832  $-38/(x+1)/(37x-1)$  lgdogf  
A170143 6.95311 [  $\{a(n+2)-37a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A170144 13.6828 [  $-(x+1)/(38x-1)$  ogf]  
A170144 13.7598  $-1/2-19x+1/2*(1+80x+1444x^2)^{(1/2)}$  revogf  
A170144 28.2841  $-39/(x+1)/(38x-1)$  lgdogf  
A170144 7.02630 [  $\{a(n+2)-38a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A170145 13.1236  $-39/2x-1/2+1/2*(1521x^2+82x+1)^{(1/2)}$  revogf  
A170145 13.7541 [  $-(x+1)/(39x-1)$  ogf]  
A170145 28.4345  $-40/(x+1)/(39x-1)$  lgdogf  
A170145 7.06289 [  $\{a(n+2)-39a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A170146 13.8966 [  $-(x+1)/(40x-1)$  ogf]  
A170146 13.9794  $-20x-1/2+1/2*(1600x^2+84x+1)^{(1/2)}$  revogf  
A170146 28.7354  $-41/(x+1)/(40x-1)$  lgdogf  
A170146 7.13608 [  $\{a(n+2)-40a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A170147 13.2625  $-1/2-41/2x+1/2*(1+86x+1681x^2)^{(1/2)}$  revogf  
A170147 13.8966 [  $-(x+1)/(41x-1)$  ogf]  
A170147 28.7354  $-42/(x+1)/(41x-1)$  lgdogf  
A170147 7.13608 [  $\{a(n+2)-41a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A170148 13.9678 [  $-(x+1)/(42x-1)$  ogf]  
A170148 14.0526  $-1/2-21x+1/2*(1+88x+1764x^2)^{(1/2)}$  revogf

A170148 28.8859  $-43/(x+1)/(42*x-1)$  lgdogf  
A170148 7.17268  $[{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43}], ogf]$   
A170149 13.4014  $-1/2-43/2*x+1/2*(1+90*x+1849*x^2)^{(1/2)}$  revogf  
A170149 14.0391  $[ -(x+1)/(43*x-1)$  ogf]  
A170149 29.0363  $-44/(x+1)/(43*x-1)$  lgdogf  
A170149 7.20927  $[{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44}], ogf]$   
A170150 14.1816  $[ -(x+1)/(44*x-1)$  ogf]  
A170150 14.2722  $-1/2-22*x+1/2*(1+92*x+1936*x^2)^{(1/2)}$  revogf  
A170150 29.3372  $-45/(x+1)/(44*x-1)$  lgdogf  
A170150 7.28246  $[{a(n+2)-44*a(n+1), a(0) = 1, a(1) = 45}], ogf]$   
A170151 13.5403  $-1/2-45/2*x+1/2*(1+94*x+2025*x^2)^{(1/2)}$  revogf  
A170151 14.1816  $[ -(x+1)/(45*x-1)$  ogf]  
A170151 29.3372  $-46/(x+1)/(45*x-1)$  lgdogf  
A170151 7.28246  $[{a(n+2)-45*a(n+1), a(0) = 1, a(1) = 46}], ogf]$   
A170152 14.1816  $[ -(x+1)/(46*x-1)$  ogf]  
A170152 14.2722  $-1/2-23*x+1/2*(1+96*x+2116*x^2)^{(1/2)}$  revogf  
A170152 29.3372  $-47/(x+1)/(46*x-1)$  lgdogf  
A170152 7.28246  $[{a(n+2)-46*a(n+1), a(0) = 1, a(1) = 47}], ogf]$   
A170153 13.8180  $-47/2*x-1/2+1/2*(2209*x^2+98*x+1)^{(1/2)}$  revogf  
A170153 14.4667  $[ -(x+1)/(47*x-1)$  ogf]  
A170153 29.9390  $-48/(x+1)/(47*x-1)$  lgdogf  
A170153 7.42884  $[{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48}], ogf]$   
A170154 13.8180  $-1/2-24*x+1/2*((1+36*x)*(64*x+1))^{(1/2)}$  revogf  
A170154 14.4667  $[ -(x+1)/(48*x-1)$  ogf]  
A170154 29.9390  $-49/(x+1)/(48*x-1)$  lgdogf  
A170154 7.42884  $[{a(n+2)-48*a(n+1), a(0) = 1, a(1) = 49}], ogf]$   
A170155 13.4725  $-1/2-49/2*x+1/2*(1+102*x+2401*x^2)^{(1/2)}$  revogf  
A170155 14.4667  $[ -(x+1)/(49*x-1)$  ogf]  
A170155 29.9390  $-50/(x+1)/(49*x-1)$  lgdogf  
A170155 7.42884  $[{a(n+2)-49*a(n+1), a(0) = 1, a(1) = 50}], ogf]$   
A170156 19.2957  $[ -(x+1)/(2*x-1)$  ogf]  
A170156 23.3360  $-x-1/2+1/2*(4*x^2+8*x+1)^{(1/2)}$  revogf  
A170156 43.7550  $-3/(2*x-1)/(x+1)$  lgdogf  
A170156 9.91586  $[{a(n+2)-2*a(n+1), a(0) = 1, a(1) = 3}], ogf]$   
A170157 17.6994  $[ -(x+1)/(3*x-1)$  ogf]  
A170157 17.8290  $-3/2*x-1/2+1/2*(x+1)*(1+9*x)^{(1/2)}$  revogf  
A170157 37.7556  $-4/(-1+3*x)/(x+1)$  lgdogf  
A170157 9.09553  $[{a(n+2)-3*a(n+1), a(0) = 1, a(1) = 4}], ogf]$   
A170158 17.7799  $[ -(x+1)/(4*x-1)$  ogf]  
A170158 18.9748  $-2*x-1/2+1/2*(16*x^2+12*x+1)^{(1/2)}$  revogf  
A170158 40.3215  $-5/(x+1)/(4*x-1)$  lgdogf  
A170158 9.13689  $[{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 5}], ogf]$   
A170159 16.6248  $[ -(x+1)/(5*x-1)$  ogf]  
A170159 16.7431  $-1/2-5/2*x+1/2*(1+14*x+25*x^2)^{(1/2)}$  revogf  
A170159 37.6720  $-6/(x+1)/(5*x-1)$  lgdogf  
A170159 8.54329  $[{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 6}], ogf]$   
A170160 16.3746  $[ -(x+1)/(-1+6*x)$  ogf]  
A170160 17.4612  $-3*x-1/2+1/2*(36*x^2+16*x+1)^{(1/2)}$  revogf  
A170160 37.1051  $-7/(x+1)/(6*x-1)$  lgdogf  
A170160 8.41471  $[{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 7}], ogf]$   
A170161 15.7883  $[ -(x+1)/(7*x-1)$  ogf]  
A170161 15.8940  $-1/2-7/2*x+1/2*(1+18*x+49*x^2)^{(1/2)}$  revogf  
A170161 35.7615  $-8/(x+1)/(7*x-1)$  lgdogf  
A170161 8.11343  $[{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 8}], ogf]$   
A170162 16.2741  $-4*x-1/2+1/2*((4*x+1)*(1+16*x))^{(1/2)}$  revogf  
A170162 16.5980  $[ -(x+1)/(8*x-1)$  ogf]  
A170162 37.6339  $-9/(x+1)/(8*x-1)$  lgdogf  
A170162 8.52951  $[{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9}], ogf]$   
A170163 15.5180  $[ -(x+1)/(9*x-1)$  ogf]  
A170163 15.6219  $-1/2-9/2*x+1/2*(1+22*x+81*x^2)^{(1/2)}$  revogf  
A170163 33.0816  $-10/(x+1)/(9*x-1)$  lgdogf



A170163 7.86529 [ $\{a(n+2)-9a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A170164 14.6040 [ $-(x+1)/(10x-1)$  ogf]  
A170164 15.5254  $-5x-1/2+1/2*(100x^2+24x+1)^{(1/2)}$  revogf  
A170164 30.1883  $-11/(x+1)/(10x-1)$  lgdogf  
A170164 7.49934 [ $\{a(n+2)-10a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A170165 14.2997  $-1/2-11/2*x+1/2*(1+26*x+121*x^2)^{(1/2)}$  revogf  
A170165 14.6040 [ $-(x+1)/(11x-1)$  ogf]  
A170165 30.1883  $-12/(x+1)/(11x-1)$  lgdogf  
A170165 7.49934 [ $\{a(n+2)-11a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A170166 13.1968 [ $-(x+1)/(12x-1)$  ogf]  
A170166 14.0042  $-1/2-6*x+1/2*(1+28*x+144*x^2)^{(1/2)}$  revogf  
A170166 27.2303  $-13/(x+1)/(12x-1)$  lgdogf  
A170166 6.77673 [ $\{a(n+2)-12a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A170167 13.1968  $-1/2-13/2*x+1/2*(1+30*x+169*x^2)^{(1/2)}$  revogf  
A170167 13.4950 [ $-(x+1)/(13x-1)$  ogf]  
A170167 27.8599  $-14/(x+1)/(13x-1)$  lgdogf  
A170167 6.92988 [ $\{a(n+2)-13a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A170168 13.8678 [ $-(x+1)/(14x-1)$  ogf]  
A170168 14.7327  $-1/2-7*x+1/2*(1+32*x+196*x^2)^{(1/2)}$  revogf  
A170168 28.6469  $-15/(1+x)/(14x-1)$  lgdogf  
A170168 7.12131 [ $\{a(n+2)-14a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A170169 13.1036  $-1/2-15/2*x+1/2*((1+9*x)*(1+25*x))^{(1/2)}$  revogf  
A170169 14.0915 [ $-(x+1)/(15x-1)$  ogf]  
A170169 29.1191  $-16/(x+1)/(15x-1)$  lgdogf  
A170169 7.23618 [ $\{a(n+2)-15a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A170170 14.4643 [ $-(x+1)/(16x-1)$  ogf]  
A170170 15.3803  $-1/2-8*x+1/2*(1+36*x+256*x^2)^{(1/2)}$  revogf  
A170170 29.9061  $-17/(x+1)/(16x-1)$  lgdogf  
A170170 7.42761 [ $\{a(n+2)-16a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A170171 14.3897  $-1/2-17/2*x+1/2*(1+38*x+289*x^2)^{(1/2)}$  revogf  
A170171 14.6879 [ $-(x+1)/(17x-1)$  ogf]  
A170171 30.3783  $-18/(x+1)/(17x-1)$  lgdogf  
A170171 7.54246 [ $\{a(n+2)-17a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A170172 13.0604 [ $-(x+1)/(18x-1)$  ogf]  
A170172 13.8630  $-1/2-9*x+1/2*(1+40*x+324*x^2)^{(1/2)}$  revogf  
A170172 26.9557  $-19/(x+1)/(18x-1)$  lgdogf  
A170172 6.70668 [ $\{a(n+2)-18a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A170173 12.9144  $-1/2-19/2*x+1/2*(1+42*x+361*x^2)^{(1/2)}$  revogf  
A170173 13.2063 [ $-(x+1)/(19x-1)$  ogf]  
A170173 27.2638  $-20/(x+1)/(19x-1)$  lgdogf  
A170173 6.78161 [ $\{a(n+2)-19a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A170174 13.4252 [ $-(x+1)/(20x-1)$  ogf]  
A170174 13.8630  $-1/2-10*x+1/2*(1+44*x+400*x^2)^{(1/2)}$  revogf  
A170174 26.2666  $-21/(1+x)/(-1+20*x)$  lgdogf  
A170174 6.89401 [ $\{a(n+2)-20a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A170175 13.2063  $-1/2-21/2*x+1/2*(1+46*x+441*x^2)^{(1/2)}$  revogf  
A170175 13.4981 [ $-(x+1)/(21x-1)$  ogf]  
A170175 27.8799  $-22/(1+x)/(21x-1)$  lgdogf  
A170175 6.93147 [ $\{a(n+2)-21a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A170176 13.8629 [ $-(x+1)/(22x-1)$  ogf]  
A170176 14.3250  $-1/2-11*x+1/2*(1+48*x+484*x^2)^{(1/2)}$  revogf  
A170176 28.6501  $-23/(x+1)/(22x-1)$  lgdogf  
A170176 7.11881 [ $\{a(n+2)-22a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A170177 13.6441  $-23/2*x-1/2+1/2*(529*x^2+50*x+1)^{(1/2)}$  revogf  
A170177 13.9359 [ $-(x+1)/(23x-1)$  ogf]  
A170177 28.8041  $-24/(x+1)/(23x-1)$  lgdogf  
A170177 7.15628 [ $\{a(n+2)-23a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A170178 13.4364  $-12*x-1/2+1/2*((1+16*x)*(1+36*x))^{(1/2)}$  revogf  
A170178 14.0818 [ $-(x+1)/(24x-1)$  ogf]  
A170178 29.1122  $-25/(x+1)/(24x-1)$  lgdogf  
A170178 7.23122 [ $\{a(n+2)-24a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]

A170179 13.9359  $-1/2-25/2*x+1/2*(1+54*x+625*x^2)^{(1/2)}$  revogf  
A170179 14.2278  $[-(x+1)/(25*x-1)$  ogf]  
A170179 29.4203  $-26/(x+1)/(25*x-1)$  lgdogf  
A170179 7.30615  $[{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26}],$  ogf]  
A170180 14.3737  $[-(x+1)/(26*x-1)$  ogf]  
A170180 14.8642  $-13*x-1/2+1/2*(676*x^2+56*x+1)^{(1/2)}$  revogf  
A170180 29.7283  $-27/(x+1)/(26*x-1)$  lgdogf  
A170180 7.38108  $[{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27}],$  ogf]  
A170181 14.3007  $-27/2*x-1/2+1/2*(729*x^2+58*x+1)^{(1/2)}$  revogf  
A170181 14.5926  $[-(x+1)/(27*x-1)$  ogf]  
A170181 30.1904  $-28/(x+1)/(27*x-1)$  lgdogf  
A170181 7.49349  $[{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28}],$  ogf]  
A170182 14.6656  $[-(x+1)/(28*x-1)$  ogf]  
A170182 15.1722  $-14*x-1/2+1/2*(784*x^2+60*x+1)^{(1/2)}$  revogf  
A170182 30.3445  $-29/(x+1)/(28*x-1)$  lgdogf  
A170182 7.53096  $[{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29}],$  ogf]  
A170183 14.5196  $-29/2*x-1/2+1/2*(841*x^2+62*x+1)^{(1/2)}$  revogf  
A170183 14.8115  $[-(x+1)/(29*x-1)$  ogf]  
A170183 30.6525  $-30/(x+1)/(29*x-1)$  lgdogf  
A170183 7.60589  $[{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30}],$  ogf]  
A170184 14.8844  $[-(x+1)/(30*x-1)$  ogf]  
A170184 15.4033  $-15*x-1/2+1/2*(900*x^2+64*x+1)^{(1/2)}$  revogf  
A170184 30.8066  $-31/(x+1)/(30*x-1)$  lgdogf  
A170184 7.64335  $[{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31}],$  ogf]  
A170185 14.5926  $-31/2*x-1/2+1/2*(961*x^2+66*x+1)^{(1/2)}$  revogf  
A170185 14.8844  $[-(x+1)/(31*x-1)$  ogf]  
A170185 30.8066  $-32/(x+1)/(31*x-1)$  lgdogf  
A170185 7.64335  $[{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32}],$  ogf]  
A170186 15.3952  $[-(x+1)/(32*x-1)$  ogf]  
A170186 15.5115  $-1/2-16*x+1/2*(1+68*x+1024*x^2)^{(1/2)}$  revogf  
A170186 31.8848  $-33/(x+1)/(32*x-1)$  lgdogf  
A170186 7.90562  $[{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33}],$  ogf]  
A170187 14.7161  $-1/2-33/2*x+1/2*(1+70*x+1089*x^2)^{(1/2)}$  revogf  
A170187 15.3952  $[-(x+1)/(33*x-1)$  ogf]  
A170187 31.8848  $-34/(x+1)/(33*x-1)$  lgdogf  
A170187 7.90562  $[{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34}],$  ogf]  
A170188 15.3952  $[-(x+1)/(34*x-1)$  ogf]  
A170188 15.5115  $-1/2-17*x+1/2*(1+72*x+1156*x^2)^{(1/2)}$  revogf  
A170188 31.8848  $-35/(x+1)/(34*x-1)$  lgdogf  
A170188 7.90562  $[{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35}],$  ogf]  
A170189 14.1334  $-35/2*x-1/2+1/2*((1+25*x)*(1+49*x))^{(1/2)}$  revogf  
A170189 15.5411  $[-(x+1)/(35*x-1)$  ogf]  
A170189 32.1929  $-36/(x+1)/(35*x-1)$  lgdogf  
A170189 7.98057  $[{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36}],$  ogf]  
A170190 13.5403  $[-(x+1)/(36*x-1)$  ogf]  
A170190 13.6134  $-1/2-18*x+1/2*(1+76*x+1296*x^2)^{(1/2)}$  revogf  
A170190 27.9832  $-37/(x+1)/(36*x-1)$  lgdogf  
A170190 6.95311  $[{a(n+2)-36*a(n+1), a(0) = 1, a(1) = 37}],$  ogf]  
A170191 12.9153  $-1/2-37/2*x+1/2*(1+78*x+1369*x^2)^{(1/2)}$  revogf  
A170191 13.5403  $[-(x+1)/(37*x-1)$  ogf]  
A170191 27.9832  $-38/(x+1)/(37*x-1)$  lgdogf  
A170191 6.95311  $[{a(n+2)-37*a(n+1), a(0) = 1, a(1) = 38}],$  ogf]  
A170192 13.6828  $[-(x+1)/(38*x-1)$  ogf]  
A170192 13.7598  $-1/2-19*x+1/2*(1+80*x+1444*x^2)^{(1/2)}$  revogf  
A170192 28.2841  $-39/(x+1)/(38*x-1)$  lgdogf  
A170192 7.02630  $[{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39}],$  ogf]  
A170193 13.1236  $-39/2*x-1/2+1/2*(1521*x^2+82*x+1)^{(1/2)}$  revogf  
A170193 13.7541  $[-(x+1)/(39*x-1)$  ogf]  
A170193 28.4345  $-40/(x+1)/(39*x-1)$  lgdogf  
A170193 7.06289  $[{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40}],$  ogf]  
A170194 13.8966  $[-(x+1)/(40*x-1)$  ogf]

A170194 13.9794  $-20*x-1/2+1/2*(1600*x^2+84*x+1)^{(1/2)}$  revogf  
A170194 28.7354  $-41/(x+1)/(40*x-1)$  lgdogf  
A170194 7.13608  $[{a(n+2)-40*a(n+1), a(0) = 1, a(1) = 41}, ogf]$   
A170195 13.2625  $-1/2-41/2*x+1/2*(1+86*x+1681*x^2)^{(1/2)}$  revogf  
A170195 13.8966  $[ -(x+1)/(41*x-1) ogf]$   
A170195 28.7354  $-42/(x+1)/(41*x-1)$  lgdogf  
A170195 7.13608  $[{a(n+2)-41*a(n+1), a(0) = 1, a(1) = 42}, ogf]$   
A170196 13.9678  $[ -(x+1)/(42*x-1) ogf]$   
A170196 14.0526  $-1/2-21*x+1/2*(1+88*x+1764*x^2)^{(1/2)}$  revogf  
A170196 28.8859  $-43/(x+1)/(42*x-1)$  lgdogf  
A170196 7.17268  $[{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43}, ogf]$   
A170197 13.4014  $-1/2-43/2*x+1/2*(1+90*x+1849*x^2)^{(1/2)}$  revogf  
A170197 14.0391  $[ -(x+1)/(43*x-1) ogf]$   
A170197 29.0363  $-44/(x+1)/(43*x-1)$  lgdogf  
A170197 7.20927  $[{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44}, ogf]$   
A170198 14.1816  $[ -(x+1)/(44*x-1) ogf]$   
A170198 14.2722  $-1/2-22*x+1/2*(1+92*x+1936*x^2)^{(1/2)}$  revogf  
A170198 29.3372  $-45/(x+1)/(44*x-1)$  lgdogf  
A170198 7.28246  $[{a(n+2)-44*a(n+1), a(0) = 1, a(1) = 45}, ogf]$   
A170199 13.5403  $-1/2-45/2*x+1/2*(1+94*x+2025*x^2)^{(1/2)}$  revogf  
A170199 14.1816  $[ -(x+1)/(45*x-1) ogf]$   
A170199 29.3372  $-46/(x+1)/(45*x-1)$  lgdogf  
A170199 7.28246  $[{a(n+2)-45*a(n+1), a(0) = 1, a(1) = 46}, ogf]$   
A170200 14.1816  $[ -(x+1)/(46*x-1) ogf]$   
A170200 14.2722  $-1/2-23*x+1/2*(1+96*x+2116*x^2)^{(1/2)}$  revogf  
A170200 29.3372  $-47/(x+1)/(46*x-1)$  lgdogf  
A170200 7.28246  $[{a(n+2)-46*a(n+1), a(0) = 1, a(1) = 47}, ogf]$   
A170201 13.8180  $-47/2*x-1/2+1/2*(2209*x^2+98*x+1)^{(1/2)}$  revogf  
A170201 14.4667  $[ -(x+1)/(47*x-1) ogf]$   
A170201 29.9390  $-48/(x+1)/(47*x-1)$  lgdogf  
A170201 7.42884  $[{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48}, ogf]$   
A170202 13.8180  $-1/2-24*x+1/2*((1+36*x)*(64*x+1))^{(1/2)}$  revogf  
A170202 14.4667  $[ -(x+1)/(48*x-1) ogf]$   
A170202 29.9390  $-49/(x+1)/(48*x-1)$  lgdogf  
A170202 7.42884  $[{a(n+2)-48*a(n+1), a(0) = 1, a(1) = 49}, ogf]$   
A170203 13.4725  $-1/2-49/2*x+1/2*(1+102*x+2401*x^2)^{(1/2)}$  revogf  
A170203 14.4667  $[ -(x+1)/(49*x-1) ogf]$   
A170203 29.9390  $-50/(x+1)/(49*x-1)$  lgdogf  
A170203 7.42884  $[{a(n+2)-49*a(n+1), a(0) = 1, a(1) = 50}, ogf]$   
A170204 19.2957  $[ -(x+1)/(2*x-1) ogf]$   
A170204 23.3360  $-x-1/2+1/2*(4*x^2+8*x+1)^{(1/2)}$  revogf  
A170204 43.7550  $-3/(2*x-1)/(x+1)$  lgdogf  
A170204 9.91586  $[{a(n+2)-2*a(n+1), a(0) = 1, a(1) = 3}, ogf]$   
A170205 17.6994  $[ -(x+1)/(3*x-1) ogf]$   
A170205 17.8290  $-3/2*x-1/2+1/2*((x+1)*(1+9*x))^{(1/2)}$  revogf  
A170205 37.7556  $-4/(-1+3*x)/(x+1)$  lgdogf  
A170205 9.09553  $[{a(n+2)-3*a(n+1), a(0) = 1, a(1) = 4}, ogf]$   
A170206 17.7799  $[ -(x+1)/(4*x-1) ogf]$   
A170206 18.9748  $-2*x-1/2+1/2*(16*x^2+12*x+1)^{(1/2)}$  revogf  
A170206 40.3215  $-5/(x+1)/(4*x-1)$  lgdogf  
A170206 9.13689  $[{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 5}, ogf]$   
A170207 16.6248  $[ -(x+1)/(5*x-1) ogf]$   
A170207 16.7431  $-1/2-5/2*x+1/2*(1+14*x+25*x^2)^{(1/2)}$  revogf  
A170207 37.6720  $-6/(x+1)/(5*x-1)$  lgdogf  
A170207 8.54329  $[{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 6}, ogf]$   
A170208 16.3746  $[ -(x+1)/(-1+6*x) ogf]$   
A170208 17.4612  $-3*x-1/2+1/2*(36*x^2+16*x+1)^{(1/2)}$  revogf  
A170208 37.1051  $-7/(x+1)/(6*x-1)$  lgdogf  
A170208 8.41471  $[{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 7}, ogf]$   
A170209 15.7883  $[ -(x+1)/(7*x-1) ogf]$   
A170209 15.8940  $-1/2-7/2*x+1/2*(1+18*x+49*x^2)^{(1/2)}$  revogf

A170209 35.7615  $-8/(x+1)/(7*x-1)$  lgdogf  
A170209 8.11343  $[{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 8}], ogf]$   
A170210 16.2741  $-4*x-1/2+1/2*((4*x+1)*(1+16*x))^(1/2)$  revogf  
A170210 16.5980  $[ -(x+1)/(8*x-1)$  ogf]  
A170210 37.6339  $-9/(x+1)/(8*x-1)$  lgdogf  
A170210 8.52951  $[{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9}], ogf]$   
A170211 15.5180  $[ -(x+1)/(9*x-1)$  ogf]  
A170211 15.6219  $-1/2-9/2*x+1/2*(1+22*x+81*x^2)^(1/2)$  revogf  
A170211 33.0816  $-10/(x+1)/(9*x-1)$  lgdogf  
A170211 7.86529  $[{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 10}], ogf]$   
A170212 14.6040  $[ -(x+1)/(10*x-1)$  ogf]  
A170212 15.5254  $-5*x-1/2+1/2*(100*x^2+24*x+1)^(1/2)$  revogf  
A170212 30.1883  $-11/(x+1)/(10*x-1)$  lgdogf  
A170212 7.49934  $[{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 11}], ogf]$   
A170213 14.2997  $-1/2-11/2*x+1/2*(1+26*x+121*x^2)^(1/2)$  revogf  
A170213 14.6040  $[ -(x+1)/(11*x-1)$  ogf]  
A170213 30.1883  $-12/(x+1)/(11*x-1)$  lgdogf  
A170213 7.49934  $[{a(n+2)-11*a(n+1), a(0) = 1, a(1) = 12}], ogf]$   
A170214 13.1968  $[ -(x+1)/(12*x-1)$  ogf]  
A170214 14.0042  $-1/2-6*x+1/2*(1+28*x+144*x^2)^(1/2)$  revogf  
A170214 27.2303  $-13/(x+1)/(12*x-1)$  lgdogf  
A170214 6.77673  $[{a(n+2)-12*a(n+1), a(0) = 1, a(1) = 13}], ogf]$   
A170215 13.1968  $-1/2-13/2*x+1/2*(1+30*x+169*x^2)^(1/2)$  revogf  
A170215 13.4950  $[ -(x+1)/(13*x-1)$  ogf]  
A170215 27.8599  $-14/(x+1)/(13*x-1)$  lgdogf  
A170215 6.92988  $[{a(n+2)-13*a(n+1), a(0) = 1, a(1) = 14}], ogf]$   
A170216 13.8678  $[ -(x+1)/(14*x-1)$  ogf]  
A170216 14.7327  $-1/2-7*x+1/2*(1+32*x+196*x^2)^(1/2)$  revogf  
A170216 28.6469  $-15/(1+x)/(14*x-1)$  lgdogf  
A170216 7.12131  $[{a(n+2)-14*a(n+1), a(0) = 1, a(1) = 15}], ogf]$   
A170217 13.1036  $-1/2-15/2*x+1/2*((1+9*x)*(1+25*x))^(1/2)$  revogf  
A170217 14.0915  $[ -(x+1)/(15*x-1)$  ogf]  
A170217 29.1191  $-16/(x+1)/(15*x-1)$  lgdogf  
A170217 7.23618  $[{a(n+2)-15*a(n+1), a(0) = 1, a(1) = 16}], ogf]$   
A170218 14.4643  $[ -(x+1)/(16*x-1)$  ogf]  
A170218 15.3803  $-1/2-8*x+1/2*(1+36*x+256*x^2)^(1/2)$  revogf  
A170218 29.9061  $-17/(x+1)/(16*x-1)$  lgdogf  
A170218 7.42761  $[{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 17}], ogf]$   
A170219 14.3897  $-1/2-17/2*x+1/2*(1+38*x+289*x^2)^(1/2)$  revogf  
A170219 14.6879  $[ -(x+1)/(17*x-1)$  ogf]  
A170219 30.3783  $-18/(x+1)/(17*x-1)$  lgdogf  
A170219 7.54246  $[{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18}], ogf]$   
A170220 13.0604  $[ -(x+1)/(18*x-1)$  ogf]  
A170220 13.8630  $-1/2-9*x+1/2*(1+40*x+324*x^2)^(1/2)$  revogf  
A170220 26.9557  $-19/(x+1)/(18*x-1)$  lgdogf  
A170220 6.70668  $[{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19}], ogf]$   
A170221 12.9144  $-1/2-19/2*x+1/2*(1+42*x+361*x^2)^(1/2)$  revogf  
A170221 13.2063  $[ -(x+1)/(19*x-1)$  ogf]  
A170221 27.2638  $-20/(x+1)/(19*x-1)$  lgdogf  
A170221 6.78161  $[{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20}], ogf]$   
A170222 13.4252  $[ -(x+1)/(20*x-1)$  ogf]  
A170222 13.8630  $-1/2-10*x+1/2*(1+44*x+400*x^2)^(1/2)$  revogf  
A170222 26.2666  $-21/(1+x)/(-1+20*x)$  lgdogf  
A170222 6.89401  $[{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21}], ogf]$   
A170223 13.2063  $-1/2-21/2*x+1/2*(1+46*x+441*x^2)^(1/2)$  revogf  
A170223 13.4981  $[ -(x+1)/(21*x-1)$  ogf]  
A170223 27.8799  $-22/(1+x)/(21*x-1)$  lgdogf  
A170223 6.93147  $[{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22}], ogf]$   
A170224 13.8629  $[ -(x+1)/(22*x-1)$  ogf]  
A170224 14.3250  $-1/2-11*x+1/2*(1+48*x+484*x^2)^(1/2)$  revogf  
A170224 28.6501  $-23/(x+1)/(22*x-1)$  lgdogf

A170224 7.11881 [ $\{a(n+2)-22a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A170225 13.6441  $-23/2*x-1/2+1/2*(529*x^2+50*x+1)^{(1/2)}$  revogf  
A170225 13.9359 [ $-(x+1)/(23*x-1)$  ogf]  
A170225 28.8041  $-24/(x+1)/(23*x-1)$  lgdogf  
A170225 7.15628 [ $\{a(n+2)-23a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A170226 13.4364  $-12*x-1/2+1/2*((1+16*x)*(1+36*x))^{(1/2)}$  revogf  
A170226 14.0818 [ $-(x+1)/(24*x-1)$  ogf]  
A170226 29.1122  $-25/(x+1)/(24*x-1)$  lgdogf  
A170226 7.23122 [ $\{a(n+2)-24a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A170227 13.9359  $-1/2-25/2*x+1/2*(1+54*x+625*x^2)^{(1/2)}$  revogf  
A170227 14.2278 [ $-(x+1)/(25*x-1)$  ogf]  
A170227 29.4203  $-26/(x+1)/(25*x-1)$  lgdogf  
A170227 7.30615 [ $\{a(n+2)-25a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A170228 14.3737 [ $-(x+1)/(26*x-1)$  ogf]  
A170228 14.8642  $-13*x-1/2+1/2*(676*x^2+56*x+1)^{(1/2)}$  revogf  
A170228 29.7283  $-27/(x+1)/(26*x-1)$  lgdogf  
A170228 7.38108 [ $\{a(n+2)-26a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A170229 14.3007  $-27/2*x-1/2+1/2*(729*x^2+58*x+1)^{(1/2)}$  revogf  
A170229 14.5926 [ $-(x+1)/(27*x-1)$  ogf]  
A170229 30.1904  $-28/(x+1)/(27*x-1)$  lgdogf  
A170229 7.49349 [ $\{a(n+2)-27a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A170230 14.6656 [ $-(x+1)/(28*x-1)$  ogf]  
A170230 15.1722  $-14*x-1/2+1/2*(784*x^2+60*x+1)^{(1/2)}$  revogf  
A170230 30.3445  $-29/(x+1)/(28*x-1)$  lgdogf  
A170230 7.53096 [ $\{a(n+2)-28a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A170231 14.5196  $-29/2*x-1/2+1/2*(841*x^2+62*x+1)^{(1/2)}$  revogf  
A170231 14.8115 [ $-(x+1)/(29*x-1)$  ogf]  
A170231 30.6525  $-30/(x+1)/(29*x-1)$  lgdogf  
A170231 7.60589 [ $\{a(n+2)-29a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A170232 14.8844 [ $-(x+1)/(30*x-1)$  ogf]  
A170232 15.4033  $-15*x-1/2+1/2*(900*x^2+64*x+1)^{(1/2)}$  revogf  
A170232 30.8066  $-31/(x+1)/(30*x-1)$  lgdogf  
A170232 7.64335 [ $\{a(n+2)-30a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A170233 14.5926  $-31/2*x-1/2+1/2*(961*x^2+66*x+1)^{(1/2)}$  revogf  
A170233 14.8844 [ $-(x+1)/(31*x-1)$  ogf]  
A170233 30.8066  $-32/(x+1)/(31*x-1)$  lgdogf  
A170233 7.64335 [ $\{a(n+2)-31a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A170234 15.3952 [ $-(x+1)/(32*x-1)$  ogf]  
A170234 15.5115  $-1/2-16*x+1/2*(1+68*x+1024*x^2)^{(1/2)}$  revogf  
A170234 31.8848  $-33/(x+1)/(32*x-1)$  lgdogf  
A170234 7.90562 [ $\{a(n+2)-32a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A170235 14.7161  $-1/2-33/2*x+1/2*(1+70*x+1089*x^2)^{(1/2)}$  revogf  
A170235 15.3952 [ $-(x+1)/(33*x-1)$  ogf]  
A170235 31.8848  $-34/(x+1)/(33*x-1)$  lgdogf  
A170235 7.90562 [ $\{a(n+2)-33a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A170236 15.3952 [ $-(x+1)/(34*x-1)$  ogf]  
A170236 15.5115  $-1/2-17*x+1/2*(1+72*x+1156*x^2)^{(1/2)}$  revogf  
A170236 31.8848  $-35/(x+1)/(34*x-1)$  lgdogf  
A170236 7.90562 [ $\{a(n+2)-34a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A170237 14.1334  $-35/2*x-1/2+1/2*((1+25*x)*(1+49*x))^{(1/2)}$  revogf  
A170237 15.5411 [ $-(x+1)/(35*x-1)$  ogf]  
A170237 32.1929  $-36/(x+1)/(35*x-1)$  lgdogf  
A170237 7.98057 [ $\{a(n+2)-35a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A170238 13.5403 [ $-(x+1)/(36*x-1)$  ogf]  
A170238 13.6134  $-1/2-18*x+1/2*(1+76*x+1296*x^2)^{(1/2)}$  revogf  
A170238 27.9832  $-37/(x+1)/(36*x-1)$  lgdogf  
A170238 6.95311 [ $\{a(n+2)-36a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A170239 12.9153  $-1/2-37/2*x+1/2*(1+78*x+1369*x^2)^{(1/2)}$  revogf  
A170239 13.5403 [ $-(x+1)/(37*x-1)$  ogf]  
A170239 27.9832  $-38/(x+1)/(37*x-1)$  lgdogf  
A170239 6.95311 [ $\{a(n+2)-37a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]

A170240 13.6828 [  $-(x+1)/(38x-1)$  ogf]  
A170240 13.7598  $-1/2-19x+1/2*(1+80x+1444x^2)^{(1/2)}$  revogf  
A170240 28.2841  $-39/(x+1)/(38x-1)$  lgdogf  
A170240 7.02630 [  $\{a(n+2)-38a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A170241 13.1236  $-39/2x-1/2+1/2*(1521x^2+82x+1)^{(1/2)}$  revogf  
A170241 13.7541 [  $-(x+1)/(39x-1)$  ogf]  
A170241 28.4345  $-40/(x+1)/(39x-1)$  lgdogf  
A170241 7.06289 [  $\{a(n+2)-39a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A170242 13.8966 [  $-(x+1)/(40x-1)$  ogf]  
A170242 13.9794  $-20x-1/2+1/2*(1600x^2+84x+1)^{(1/2)}$  revogf  
A170242 28.7354  $-41/(x+1)/(40x-1)$  lgdogf  
A170242 7.13608 [  $\{a(n+2)-40a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A170243 13.2625  $-1/2-41/2x+1/2*(1+86x+1681x^2)^{(1/2)}$  revogf  
A170243 13.8966 [  $-(x+1)/(41x-1)$  ogf]  
A170243 28.7354  $-42/(x+1)/(41x-1)$  lgdogf  
A170243 7.13608 [  $\{a(n+2)-41a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A170244 13.9678 [  $-(x+1)/(42x-1)$  ogf]  
A170244 14.0526  $-1/2-21x+1/2*(1+88x+1764x^2)^{(1/2)}$  revogf  
A170244 28.8859  $-43/(x+1)/(42x-1)$  lgdogf  
A170244 7.17268 [  $\{a(n+2)-42a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A170245 13.4014  $-1/2-43/2x+1/2*(1+90x+1849x^2)^{(1/2)}$  revogf  
A170245 14.0391 [  $-(x+1)/(43x-1)$  ogf]  
A170245 29.0363  $-44/(x+1)/(43x-1)$  lgdogf  
A170245 7.20927 [  $\{a(n+2)-43a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A170246 14.1816 [  $-(x+1)/(44x-1)$  ogf]  
A170246 14.2722  $-1/2-22x+1/2*(1+92x+1936x^2)^{(1/2)}$  revogf  
A170246 29.3372  $-45/(x+1)/(44x-1)$  lgdogf  
A170246 7.28246 [  $\{a(n+2)-44a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A170247 13.5403  $-1/2-45/2x+1/2*(1+94x+2025x^2)^{(1/2)}$  revogf  
A170247 14.1816 [  $-(x+1)/(45x-1)$  ogf]  
A170247 29.3372  $-46/(x+1)/(45x-1)$  lgdogf  
A170247 7.28246 [  $\{a(n+2)-45a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A170248 14.1816 [  $-(x+1)/(46x-1)$  ogf]  
A170248 14.2722  $-1/2-23x+1/2*(1+96x+2116x^2)^{(1/2)}$  revogf  
A170248 29.3372  $-47/(x+1)/(46x-1)$  lgdogf  
A170248 7.28246 [  $\{a(n+2)-46a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A170249 13.8180  $-47/2x-1/2+1/2*(2209x^2+98x+1)^{(1/2)}$  revogf  
A170249 14.4667 [  $-(x+1)/(47x-1)$  ogf]  
A170249 29.9390  $-48/(x+1)/(47x-1)$  lgdogf  
A170249 7.42884 [  $\{a(n+2)-47a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A170250 13.8180  $-1/2-24x+1/2*((1+36x)*(64x+1))^{(1/2)}$  revogf  
A170250 14.4667 [  $-(x+1)/(48x-1)$  ogf]  
A170250 29.9390  $-49/(x+1)/(48x-1)$  lgdogf  
A170250 7.42884 [  $\{a(n+2)-48a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A170251 13.4725  $-1/2-49/2x+1/2*(1+102x+2401x^2)^{(1/2)}$  revogf  
A170251 14.4667 [  $-(x+1)/(49x-1)$  ogf]  
A170251 29.9390  $-50/(x+1)/(49x-1)$  lgdogf  
A170251 7.42884 [  $\{a(n+2)-49a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A170252 19.2957 [  $-(x+1)/(2x-1)$  ogf]  
A170252 23.3360  $-x-1/2+1/2*(4x^2+8x+1)^{(1/2)}$  revogf  
A170252 43.7550  $-3/(2x-1)/(x+1)$  lgdogf  
A170252 9.91586 [  $\{a(n+2)-2a(n+1), a(0) = 1, a(1) = 3\}$ , ogf]  
A170253 17.6994 [  $-(x+1)/(3x-1)$  ogf]  
A170253 17.8290  $-3/2x-1/2+1/2*((x+1)*(1+9x))^{(1/2)}$  revogf  
A170253 37.7556  $-4/(-1+3x)/(x+1)$  lgdogf  
A170253 9.09553 [  $\{a(n+2)-3a(n+1), a(0) = 1, a(1) = 4\}$ , ogf]  
A170254 17.7799 [  $-(x+1)/(4x-1)$  ogf]  
A170254 18.9748  $-2x-1/2+1/2*(16x^2+12x+1)^{(1/2)}$  revogf  
A170254 40.3215  $-5/(x+1)/(4x-1)$  lgdogf  
A170254 9.13689 [  $\{a(n+2)-4a(n+1), a(0) = 1, a(1) = 5\}$ , ogf]  
A170255 16.6248 [  $-(x+1)/(5x-1)$  ogf]

A170255 16.7431  $-1/2-5/2*x+1/2*(1+14*x+25*x^2)^{(1/2)}$  revogf  
A170255 37.6720  $-6/(x+1)/(5*x-1)$  lgdogf  
A170255 8.54329  $[{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 6}], ogf]$   
A170256 16.3746  $[ -(x+1)/(-1+6*x)$  ogf]  
A170256 17.4612  $-3*x-1/2+1/2*(36*x^2+16*x+1)^{(1/2)}$  revogf  
A170256 37.1051  $-7/(x+1)/(6*x-1)$  lgdogf  
A170256 8.41471  $[{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 7}], ogf]$   
A170257 15.7883  $[ -(x+1)/(7*x-1)$  ogf]  
A170257 15.8940  $-1/2-7/2*x+1/2*(1+18*x+49*x^2)^{(1/2)}$  revogf  
A170257 35.7615  $-8/(x+1)/(7*x-1)$  lgdogf  
A170257 8.11343  $[{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 8}], ogf]$   
A170258 16.2741  $-4*x-1/2+1/2*((4*x+1)*(1+16*x))^{(1/2)}$  revogf  
A170258 16.5980  $[ -(x+1)/(8*x-1)$  ogf]  
A170258 37.6339  $-9/(x+1)/(8*x-1)$  lgdogf  
A170258 8.52951  $[{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9}], ogf]$   
A170259 15.5180  $[ -(x+1)/(9*x-1)$  ogf]  
A170259 15.6219  $-1/2-9/2*x+1/2*(1+22*x+81*x^2)^{(1/2)}$  revogf  
A170259 33.0816  $-10/(x+1)/(9*x-1)$  lgdogf  
A170259 7.86529  $[{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 10}], ogf]$   
A170260 14.6040  $[ -(x+1)/(10*x-1)$  ogf]  
A170260 15.5254  $-5*x-1/2+1/2*(100*x^2+24*x+1)^{(1/2)}$  revogf  
A170260 30.1883  $-11/(x+1)/(10*x-1)$  lgdogf  
A170260 7.49934  $[{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 11}], ogf]$   
A170261 14.2997  $-1/2-11/2*x+1/2*(1+26*x+121*x^2)^{(1/2)}$  revogf  
A170261 14.6040  $[ -(x+1)/(11*x-1)$  ogf]  
A170261 30.1883  $-12/(x+1)/(11*x-1)$  lgdogf  
A170261 7.49934  $[{a(n+2)-11*a(n+1), a(0) = 1, a(1) = 12}], ogf]$   
A170262 13.1968  $[ -(x+1)/(12*x-1)$  ogf]  
A170262 14.0042  $-1/2-6*x+1/2*(1+28*x+144*x^2)^{(1/2)}$  revogf  
A170262 27.2303  $-13/(x+1)/(12*x-1)$  lgdogf  
A170262 6.77673  $[{a(n+2)-12*a(n+1), a(0) = 1, a(1) = 13}], ogf]$   
A170263 13.1968  $-1/2-13/2*x+1/2*(1+30*x+169*x^2)^{(1/2)}$  revogf  
A170263 13.4950  $[ -(x+1)/(13*x-1)$  ogf]  
A170263 27.8599  $-14/(x+1)/(13*x-1)$  lgdogf  
A170263 6.92988  $[{a(n+2)-13*a(n+1), a(0) = 1, a(1) = 14}], ogf]$   
A170264 13.8678  $[ -(x+1)/(14*x-1)$  ogf]  
A170264 14.7327  $-1/2-7*x+1/2*(1+32*x+196*x^2)^{(1/2)}$  revogf  
A170264 28.6469  $-15/(1+x)/(14*x-1)$  lgdogf  
A170264 7.12131  $[{a(n+2)-14*a(n+1), a(0) = 1, a(1) = 15}], ogf]$   
A170265 13.1036  $-1/2-15/2*x+1/2*((1+9*x)*(1+25*x))^{(1/2)}$  revogf  
A170265 14.0915  $[ -(x+1)/(15*x-1)$  ogf]  
A170265 29.1191  $-16/(x+1)/(15*x-1)$  lgdogf  
A170265 7.23618  $[{a(n+2)-15*a(n+1), a(0) = 1, a(1) = 16}], ogf]$   
A170266 14.4643  $[ -(x+1)/(16*x-1)$  ogf]  
A170266 15.3803  $-1/2-8*x+1/2*(1+36*x+256*x^2)^{(1/2)}$  revogf  
A170266 29.9061  $-17/(x+1)/(16*x-1)$  lgdogf  
A170266 7.42761  $[{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 17}], ogf]$   
A170267 14.3897  $-1/2-17/2*x+1/2*(1+38*x+289*x^2)^{(1/2)}$  revogf  
A170267 14.6879  $[ -(x+1)/(17*x-1)$  ogf]  
A170267 30.3783  $-18/(x+1)/(17*x-1)$  lgdogf  
A170267 7.54246  $[{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18}], ogf]$   
A170268 13.0604  $[ -(x+1)/(18*x-1)$  ogf]  
A170268 13.8630  $-1/2-9*x+1/2*(1+40*x+324*x^2)^{(1/2)}$  revogf  
A170268 26.9557  $-19/(x+1)/(18*x-1)$  lgdogf  
A170268 6.70668  $[{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19}], ogf]$   
A170269 12.9144  $-1/2-19/2*x+1/2*(1+42*x+361*x^2)^{(1/2)}$  revogf  
A170269 13.2063  $[ -(x+1)/(19*x-1)$  ogf]  
A170269 27.2638  $-20/(x+1)/(19*x-1)$  lgdogf  
A170269 6.78161  $[{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20}], ogf]$   
A170270 13.4252  $[ -(x+1)/(20*x-1)$  ogf]  
A170270 13.8630  $-1/2-10*x+1/2*(1+44*x+400*x^2)^{(1/2)}$  revogf

A170270 26.2666  $-21/(1+x)/(-1+20*x)$  lgdogf  
A170270 6.89401  $[{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21}], ogf]$   
A170271 13.2063  $-1/2-21/2*x+1/2*(1+46*x+441*x^2)^{(1/2)}$  revogf  
A170271 13.4981  $[ -(x+1)/(21*x-1) ogf]$   
A170271 27.8799  $-22/(1+x)/(21*x-1)$  lgdogf  
A170271 6.93147  $[{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22}], ogf]$   
A170272 13.8629  $[ -(x+1)/(22*x-1) ogf]$   
A170272 14.3250  $-1/2-11*x+1/2*(1+48*x+484*x^2)^{(1/2)}$  revogf  
A170272 28.6501  $-23/(x+1)/(22*x-1)$  lgdogf  
A170272 7.11881  $[{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23}], ogf]$   
A170273 13.6441  $-23/2*x-1/2+1/2*(529*x^2+50*x+1)^{(1/2)}$  revogf  
A170273 13.9359  $[ -(x+1)/(23*x-1) ogf]$   
A170273 28.8041  $-24/(x+1)/(23*x-1)$  lgdogf  
A170273 7.15628  $[{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24}], ogf]$   
A170274 13.4364  $-12*x-1/2+1/2*((1+16*x)*(1+36*x))^{(1/2)}$  revogf  
A170274 14.0818  $[ -(x+1)/(24*x-1) ogf]$   
A170274 29.1122  $-25/(x+1)/(24*x-1)$  lgdogf  
A170274 7.23122  $[{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25}], ogf]$   
A170275 13.9359  $-1/2-25/2*x+1/2*(1+54*x+625*x^2)^{(1/2)}$  revogf  
A170275 14.2278  $[ -(x+1)/(25*x-1) ogf]$   
A170275 29.4203  $-26/(x+1)/(25*x-1)$  lgdogf  
A170275 7.30615  $[{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26}], ogf]$   
A170276 14.3737  $[ -(x+1)/(26*x-1) ogf]$   
A170276 14.8642  $-13*x-1/2+1/2*(676*x^2+56*x+1)^{(1/2)}$  revogf  
A170276 29.7283  $-27/(x+1)/(26*x-1)$  lgdogf  
A170276 7.38108  $[{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27}], ogf]$   
A170277 14.3007  $-27/2*x-1/2+1/2*(729*x^2+58*x+1)^{(1/2)}$  revogf  
A170277 14.5926  $[ -(x+1)/(27*x-1) ogf]$   
A170277 30.1904  $-28/(x+1)/(27*x-1)$  lgdogf  
A170277 7.49349  $[{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28}], ogf]$   
A170278 14.6656  $[ -(x+1)/(28*x-1) ogf]$   
A170278 15.1722  $-14*x-1/2+1/2*(784*x^2+60*x+1)^{(1/2)}$  revogf  
A170278 30.3445  $-29/(x+1)/(28*x-1)$  lgdogf  
A170278 7.53096  $[{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29}], ogf]$   
A170279 14.5196  $-29/2*x-1/2+1/2*(841*x^2+62*x+1)^{(1/2)}$  revogf  
A170279 14.8115  $[ -(x+1)/(29*x-1) ogf]$   
A170279 30.6525  $-30/(x+1)/(29*x-1)$  lgdogf  
A170279 7.60589  $[{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30}], ogf]$   
A170280 14.8844  $[ -(x+1)/(30*x-1) ogf]$   
A170280 15.4033  $-15*x-1/2+1/2*(900*x^2+64*x+1)^{(1/2)}$  revogf  
A170280 30.8066  $-31/(x+1)/(30*x-1)$  lgdogf  
A170280 7.64335  $[{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31}], ogf]$   
A170281 14.5926  $-31/2*x-1/2+1/2*(961*x^2+66*x+1)^{(1/2)}$  revogf  
A170281 14.8844  $[ -(x+1)/(31*x-1) ogf]$   
A170281 30.8066  $-32/(x+1)/(31*x-1)$  lgdogf  
A170281 7.64335  $[{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32}], ogf]$   
A170282 15.3952  $[ -(x+1)/(32*x-1) ogf]$   
A170282 15.5115  $-1/2-16*x+1/2*(1+68*x+1024*x^2)^{(1/2)}$  revogf  
A170282 31.8848  $-33/(x+1)/(32*x-1)$  lgdogf  
A170282 7.90562  $[{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33}], ogf]$   
A170283 14.7161  $-1/2-33/2*x+1/2*(1+70*x+1089*x^2)^{(1/2)}$  revogf  
A170283 15.3952  $[ -(x+1)/(33*x-1) ogf]$   
A170283 31.8848  $-34/(x+1)/(33*x-1)$  lgdogf  
A170283 7.90562  $[{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34}], ogf]$   
A170284 15.3952  $[ -(x+1)/(34*x-1) ogf]$   
A170284 15.5115  $-1/2-17*x+1/2*(1+72*x+1156*x^2)^{(1/2)}$  revogf  
A170284 31.8848  $-35/(x+1)/(34*x-1)$  lgdogf  
A170284 7.90562  $[{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35}], ogf]$   
A170285 14.1334  $-35/2*x-1/2+1/2*((1+25*x)*(1+49*x))^{(1/2)}$  revogf  
A170285 15.5411  $[ -(x+1)/(35*x-1) ogf]$   
A170285 32.1929  $-36/(x+1)/(35*x-1)$  lgdogf



A170285 7.98057 [ $\{a(n+2)-35a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A170286 13.5403 [ $-(x+1)/(36x-1)$  ogf]  
A170286 13.6134  $-1/2-18x+1/2*(1+76x+1296x^2)^{(1/2)}$  revogf  
A170286 27.9832  $-37/(x+1)/(36x-1)$  lgdogf  
A170286 6.95311 [ $\{a(n+2)-36a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A170287 12.9153  $-1/2-37/2x+1/2*(1+78x+1369x^2)^{(1/2)}$  revogf  
A170287 13.5403 [ $-(x+1)/(37x-1)$  ogf]  
A170287 27.9832  $-38/(x+1)/(37x-1)$  lgdogf  
A170287 6.95311 [ $\{a(n+2)-37a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A170288 13.6828 [ $-(x+1)/(38x-1)$  ogf]  
A170288 13.7598  $-1/2-19x+1/2*(1+80x+1444x^2)^{(1/2)}$  revogf  
A170288 28.2841  $-39/(x+1)/(38x-1)$  lgdogf  
A170288 7.02630 [ $\{a(n+2)-38a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A170289 13.1236  $-39/2x-1/2+1/2*(1521x^2+82x+1)^{(1/2)}$  revogf  
A170289 13.7541 [ $-(x+1)/(39x-1)$  ogf]  
A170289 28.4345  $-40/(x+1)/(39x-1)$  lgdogf  
A170289 7.06289 [ $\{a(n+2)-39a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A170290 13.8966 [ $-(x+1)/(40x-1)$  ogf]  
A170290 13.9794  $-20x-1/2+1/2*(1600x^2+84x+1)^{(1/2)}$  revogf  
A170290 28.7354  $-41/(x+1)/(40x-1)$  lgdogf  
A170290 7.13608 [ $\{a(n+2)-40a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A170291 13.2625  $-1/2-41/2x+1/2*(1+86x+1681x^2)^{(1/2)}$  revogf  
A170291 13.8966 [ $-(x+1)/(41x-1)$  ogf]  
A170291 28.7354  $-42/(x+1)/(41x-1)$  lgdogf  
A170291 7.13608 [ $\{a(n+2)-41a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A170292 13.9678 [ $-(x+1)/(42x-1)$  ogf]  
A170292 14.0526  $-1/2-21x+1/2*(1+88x+1764x^2)^{(1/2)}$  revogf  
A170292 28.8859  $-43/(x+1)/(42x-1)$  lgdogf  
A170292 7.17268 [ $\{a(n+2)-42a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A170293 13.4014  $-1/2-43/2x+1/2*(1+90x+1849x^2)^{(1/2)}$  revogf  
A170293 14.0391 [ $-(x+1)/(43x-1)$  ogf]  
A170293 29.0363  $-44/(x+1)/(43x-1)$  lgdogf  
A170293 7.20927 [ $\{a(n+2)-43a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A170294 14.1816 [ $-(x+1)/(44x-1)$  ogf]  
A170294 14.2722  $-1/2-22x+1/2*(1+92x+1936x^2)^{(1/2)}$  revogf  
A170294 29.3372  $-45/(x+1)/(44x-1)$  lgdogf  
A170294 7.28246 [ $\{a(n+2)-44a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A170295 13.5403  $-1/2-45/2x+1/2*(1+94x+2025x^2)^{(1/2)}$  revogf  
A170295 14.1816 [ $-(x+1)/(45x-1)$  ogf]  
A170295 29.3372  $-46/(x+1)/(45x-1)$  lgdogf  
A170295 7.28246 [ $\{a(n+2)-45a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A170296 14.1816 [ $-(x+1)/(46x-1)$  ogf]  
A170296 14.2722  $-1/2-23x+1/2*(1+96x+2116x^2)^{(1/2)}$  revogf  
A170296 29.3372  $-47/(x+1)/(46x-1)$  lgdogf  
A170296 7.28246 [ $\{a(n+2)-46a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A170297 13.8180  $-47/2x-1/2+1/2*(2209x^2+98x+1)^{(1/2)}$  revogf  
A170297 14.4667 [ $-(x+1)/(47x-1)$  ogf]  
A170297 29.9390  $-48/(x+1)/(47x-1)$  lgdogf  
A170297 7.42884 [ $\{a(n+2)-47a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A170298 13.8180  $-1/2-24x+1/2*((1+36x)*(64x+1))^{(1/2)}$  revogf  
A170298 14.4667 [ $-(x+1)/(48x-1)$  ogf]  
A170298 29.9390  $-49/(x+1)/(48x-1)$  lgdogf  
A170298 7.42884 [ $\{a(n+2)-48a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A170299 13.4725  $-1/2-49/2x+1/2*(1+102x+2401x^2)^{(1/2)}$  revogf  
A170299 14.4667 [ $-(x+1)/(49x-1)$  ogf]  
A170299 29.9390  $-50/(x+1)/(49x-1)$  lgdogf  
A170299 7.42884 [ $\{a(n+2)-49a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A170300 19.2957 [ $-(x+1)/(2x-1)$  ogf]  
A170300 23.3360  $-x-1/2+1/2*(4x^2+8x+1)^{(1/2)}$  revogf  
A170300 43.7550  $-3/(2x-1)/(x+1)$  lgdogf  
A170300 9.91586 [ $\{a(n+2)-2a(n+1), a(0) = 1, a(1) = 3\}$ , ogf]

A170301 17.6994 [  $-(x+1)/(3*x-1)$  ogf]  
A170301 17.8290  $-3/2*x-1/2+1/2*((x+1)*(1+9*x))^{(1/2)}$  revogf  
A170301 37.7556  $-4/(-1+3*x)/(x+1)$  lgdogf  
A170301 9.09553 [{a(n+2)-3\*a(n+1), a(0) = 1, a(1) = 4}, ogf]  
A170302 17.7799 [  $-(x+1)/(4*x-1)$  ogf]  
A170302 18.9748  $-2*x-1/2+1/2*(16*x^2+12*x+1)^{(1/2)}$  revogf  
A170302 40.3215  $-5/(x+1)/(4*x-1)$  lgdogf  
A170302 9.13689 [{a(n+2)-4\*a(n+1), a(0) = 1, a(1) = 5}, ogf]  
A170303 16.6248 [  $-(x+1)/(5*x-1)$  ogf]  
A170303 16.7431  $-1/2-5/2*x+1/2*(1+14*x+25*x^2)^{(1/2)}$  revogf  
A170303 37.6720  $-6/(x+1)/(5*x-1)$  lgdogf  
A170303 8.54329 [{a(n+2)-5\*a(n+1), a(0) = 1, a(1) = 6}, ogf]  
A170304 16.3746 [  $-(x+1)/(-1+6*x)$  ogf]  
A170304 17.4612  $-3*x-1/2+1/2*(36*x^2+16*x+1)^{(1/2)}$  revogf  
A170304 37.1051  $-7/(x+1)/(6*x-1)$  lgdogf  
A170304 8.41471 [{a(n+2)-6\*a(n+1), a(0) = 1, a(1) = 7}, ogf]  
A170305 15.7883 [  $-(x+1)/(7*x-1)$  ogf]  
A170305 15.8940  $-1/2-7/2*x+1/2*(1+18*x+49*x^2)^{(1/2)}$  revogf  
A170305 35.7615  $-8/(x+1)/(7*x-1)$  lgdogf  
A170305 8.11343 [{a(n+2)-7\*a(n+1), a(0) = 1, a(1) = 8}, ogf]  
A170306 16.2741  $-4*x-1/2+1/2*((4*x+1)*(1+16*x))^{(1/2)}$  revogf  
A170306 16.5980 [  $-(x+1)/(8*x-1)$  ogf]  
A170306 37.6339  $-9/(x+1)/(8*x-1)$  lgdogf  
A170306 8.52951 [{a(n+2)-8\*a(n+1), a(0) = 1, a(1) = 9}, ogf]  
A170307 15.5180 [  $-(x+1)/(9*x-1)$  ogf]  
A170307 15.6219  $-1/2-9/2*x+1/2*(1+22*x+81*x^2)^{(1/2)}$  revogf  
A170307 33.0816  $-10/(x+1)/(9*x-1)$  lgdogf  
A170307 7.86529 [{a(n+2)-9\*a(n+1), a(0) = 1, a(1) = 10}, ogf]  
A170308 14.6040 [  $-(x+1)/(10*x-1)$  ogf]  
A170308 15.5254  $-5*x-1/2+1/2*(100*x^2+24*x+1)^{(1/2)}$  revogf  
A170308 30.1883  $-11/(x+1)/(10*x-1)$  lgdogf  
A170308 7.49934 [{a(n+2)-10\*a(n+1), a(0) = 1, a(1) = 11}, ogf]  
A170309 14.2997  $-1/2-11/2*x+1/2*(1+26*x+121*x^2)^{(1/2)}$  revogf  
A170309 14.6040 [  $-(x+1)/(11*x-1)$  ogf]  
A170309 30.1883  $-12/(x+1)/(11*x-1)$  lgdogf  
A170309 7.49934 [{a(n+2)-11\*a(n+1), a(0) = 1, a(1) = 12}, ogf]  
A170310 13.1968 [  $-(x+1)/(12*x-1)$  ogf]  
A170310 14.0042  $-1/2-6*x+1/2*(1+28*x+144*x^2)^{(1/2)}$  revogf  
A170310 27.2303  $-13/(x+1)/(12*x-1)$  lgdogf  
A170310 6.77673 [{a(n+2)-12\*a(n+1), a(0) = 1, a(1) = 13}, ogf]  
A170311 13.1968  $-1/2-13/2*x+1/2*(1+30*x+169*x^2)^{(1/2)}$  revogf  
A170311 13.4950 [  $-(x+1)/(13*x-1)$  ogf]  
A170311 27.8599  $-14/(x+1)/(13*x-1)$  lgdogf  
A170311 6.92988 [{a(n+2)-13\*a(n+1), a(0) = 1, a(1) = 14}, ogf]  
A170312 13.8678 [  $-(x+1)/(14*x-1)$  ogf]  
A170312 14.7327  $-1/2-7*x+1/2*(1+32*x+196*x^2)^{(1/2)}$  revogf  
A170312 28.6469  $-15/(1+x)/(14*x-1)$  lgdogf  
A170312 7.12131 [{a(n+2)-14\*a(n+1), a(0) = 1, a(1) = 15}, ogf]  
A170313 13.1036  $-1/2-15/2*x+1/2*((1+9*x)*(1+25*x))^{(1/2)}$  revogf  
A170313 14.0915 [  $-(x+1)/(15*x-1)$  ogf]  
A170313 29.1191  $-16/(x+1)/(15*x-1)$  lgdogf  
A170313 7.23618 [{a(n+2)-15\*a(n+1), a(0) = 1, a(1) = 16}, ogf]  
A170314 14.4643 [  $-(x+1)/(16*x-1)$  ogf]  
A170314 15.3803  $-1/2-8*x+1/2*(1+36*x+256*x^2)^{(1/2)}$  revogf  
A170314 29.9061  $-17/(x+1)/(16*x-1)$  lgdogf  
A170314 7.42761 [{a(n+2)-16\*a(n+1), a(0) = 1, a(1) = 17}, ogf]  
A170315 14.3897  $-1/2-17/2*x+1/2*(1+38*x+289*x^2)^{(1/2)}$  revogf  
A170315 14.6879 [  $-(x+1)/(17*x-1)$  ogf]  
A170315 30.3783  $-18/(x+1)/(17*x-1)$  lgdogf  
A170315 7.54246 [{a(n+2)-17\*a(n+1), a(0) = 1, a(1) = 18}, ogf]  
A170316 13.0604 [  $-(x+1)/(18*x-1)$  ogf]

A170316 13.8630  $-1/2-9*x+1/2*(1+40*x+324*x^2)^{(1/2)}$  revogf  
A170316 26.9557  $-19/(x+1)/(18*x-1)$  lgdogf  
A170316 6.70668  $[{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19}],$  ogf]  
A170317 12.9144  $-1/2-19/2*x+1/2*(1+42*x+361*x^2)^{(1/2)}$  revogf  
A170317 13.2063  $[ -(x+1)/(19*x-1)$  ogf]  
A170317 27.2638  $-20/(x+1)/(19*x-1)$  lgdogf  
A170317 6.78161  $[{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20}],$  ogf]  
A170318 13.4252  $[ -(x+1)/(20*x-1)$  ogf]  
A170318 13.8630  $-1/2-10*x+1/2*(1+44*x+400*x^2)^{(1/2)}$  revogf  
A170318 26.2666  $-21/(1+x)/(-1+20*x)$  lgdogf  
A170318 6.89401  $[{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21}],$  ogf]  
A170319 13.2063  $-1/2-21/2*x+1/2*(1+46*x+441*x^2)^{(1/2)}$  revogf  
A170319 13.4981  $[ -(x+1)/(21*x-1)$  ogf]  
A170319 27.8799  $-22/(1+x)/(21*x-1)$  lgdogf  
A170319 6.93147  $[{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22}],$  ogf]  
A170320 13.8629  $[ -(x+1)/(22*x-1)$  ogf]  
A170320 14.3250  $-1/2-11*x+1/2*(1+48*x+484*x^2)^{(1/2)}$  revogf  
A170320 28.6501  $-23/(x+1)/(22*x-1)$  lgdogf  
A170320 7.11881  $[{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23}],$  ogf]  
A170321 13.6441  $-23/2*x-1/2+1/2*(529*x^2+50*x+1)^{(1/2)}$  revogf  
A170321 13.9359  $[ -(x+1)/(23*x-1)$  ogf]  
A170321 28.8041  $-24/(x+1)/(23*x-1)$  lgdogf  
A170321 7.15628  $[{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24}],$  ogf]  
A170322 13.4364  $-12*x-1/2+1/2*((1+16*x)*(1+36*x))^{(1/2)}$  revogf  
A170322 14.0818  $[ -(x+1)/(24*x-1)$  ogf]  
A170322 29.1122  $-25/(x+1)/(24*x-1)$  lgdogf  
A170322 7.23122  $[{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25}],$  ogf]  
A170323 13.9359  $-1/2-25/2*x+1/2*(1+54*x+625*x^2)^{(1/2)}$  revogf  
A170323 14.2278  $[ -(x+1)/(25*x-1)$  ogf]  
A170323 29.4203  $-26/(x+1)/(25*x-1)$  lgdogf  
A170323 7.30615  $[{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26}],$  ogf]  
A170324 14.3737  $[ -(x+1)/(26*x-1)$  ogf]  
A170324 14.8642  $-13*x-1/2+1/2*(676*x^2+56*x+1)^{(1/2)}$  revogf  
A170324 29.7283  $-27/(x+1)/(26*x-1)$  lgdogf  
A170324 7.38108  $[{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27}],$  ogf]  
A170325 14.3007  $-27/2*x-1/2+1/2*(729*x^2+58*x+1)^{(1/2)}$  revogf  
A170325 14.5926  $[ -(x+1)/(27*x-1)$  ogf]  
A170325 30.1904  $-28/(x+1)/(27*x-1)$  lgdogf  
A170325 7.49349  $[{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28}],$  ogf]  
A170326 14.6656  $[ -(x+1)/(28*x-1)$  ogf]  
A170326 15.1722  $-14*x-1/2+1/2*(784*x^2+60*x+1)^{(1/2)}$  revogf  
A170326 30.3445  $-29/(x+1)/(28*x-1)$  lgdogf  
A170326 7.53096  $[{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29}],$  ogf]  
A170327 14.5196  $-29/2*x-1/2+1/2*(841*x^2+62*x+1)^{(1/2)}$  revogf  
A170327 14.8115  $[ -(x+1)/(29*x-1)$  ogf]  
A170327 30.6525  $-30/(x+1)/(29*x-1)$  lgdogf  
A170327 7.60589  $[{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30}],$  ogf]  
A170328 14.8844  $[ -(x+1)/(30*x-1)$  ogf]  
A170328 15.4033  $-15*x-1/2+1/2*(900*x^2+64*x+1)^{(1/2)}$  revogf  
A170328 30.8066  $-31/(x+1)/(30*x-1)$  lgdogf  
A170328 7.64335  $[{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31}],$  ogf]  
A170329 14.5926  $-31/2*x-1/2+1/2*(961*x^2+66*x+1)^{(1/2)}$  revogf  
A170329 14.8844  $[ -(x+1)/(31*x-1)$  ogf]  
A170329 30.8066  $-32/(x+1)/(31*x-1)$  lgdogf  
A170329 7.64335  $[{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32}],$  ogf]  
A170330 15.3952  $[ -(x+1)/(32*x-1)$  ogf]  
A170330 15.5115  $-1/2-16*x+1/2*(1+68*x+1024*x^2)^{(1/2)}$  revogf  
A170330 31.8848  $-33/(x+1)/(32*x-1)$  lgdogf  
A170330 7.90562  $[{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33}],$  ogf]  
A170331 14.7161  $-1/2-33/2*x+1/2*(1+70*x+1089*x^2)^{(1/2)}$  revogf  
A170331 15.3952  $[ -(x+1)/(33*x-1)$  ogf]

A170331 31.8848  $-34/(x+1)/(33*x-1)$  lgdogf  
A170331 7.90562  $[{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34}],$  ogf]  
A170332 15.3952  $[ -(x+1)/(34*x-1)$  ogf]  
A170332 15.5115  $-1/2-17*x+1/2*(1+72*x+1156*x^2)^{(1/2)}$  revogf  
A170332 31.8848  $-35/(x+1)/(34*x-1)$  lgdogf  
A170332 7.90562  $[{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35}],$  ogf]  
A170333 14.1334  $-35/2*x-1/2+1/2*((1+25*x)*(1+49*x))^{(1/2)}$  revogf  
A170333 15.5411  $[ -(x+1)/(35*x-1)$  ogf]  
A170333 32.1929  $-36/(x+1)/(35*x-1)$  lgdogf  
A170333 7.98057  $[{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36}],$  ogf]  
A170334 13.5403  $[ -(x+1)/(36*x-1)$  ogf]  
A170334 13.6134  $-1/2-18*x+1/2*(1+76*x+1296*x^2)^{(1/2)}$  revogf  
A170334 27.9832  $-37/(x+1)/(36*x-1)$  lgdogf  
A170334 6.95311  $[{a(n+2)-36*a(n+1), a(0) = 1, a(1) = 37}],$  ogf]  
A170335 12.9153  $-1/2-37/2*x+1/2*(1+78*x+1369*x^2)^{(1/2)}$  revogf  
A170335 13.5403  $[ -(x+1)/(37*x-1)$  ogf]  
A170335 27.9832  $-38/(x+1)/(37*x-1)$  lgdogf  
A170335 6.95311  $[{a(n+2)-37*a(n+1), a(0) = 1, a(1) = 38}],$  ogf]  
A170336 13.6828  $[ -(x+1)/(38*x-1)$  ogf]  
A170336 13.7598  $-1/2-19*x+1/2*(1+80*x+1444*x^2)^{(1/2)}$  revogf  
A170336 28.2841  $-39/(x+1)/(38*x-1)$  lgdogf  
A170336 7.02630  $[{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39}],$  ogf]  
A170337 13.1236  $-39/2*x-1/2+1/2*(1521*x^2+82*x+1)^{(1/2)}$  revogf  
A170337 13.7541  $[ -(x+1)/(39*x-1)$  ogf]  
A170337 28.4345  $-40/(x+1)/(39*x-1)$  lgdogf  
A170337 7.06289  $[{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40}],$  ogf]  
A170338 13.8966  $[ -(x+1)/(40*x-1)$  ogf]  
A170338 13.9794  $-20*x-1/2+1/2*(1600*x^2+84*x+1)^{(1/2)}$  revogf  
A170338 28.7354  $-41/(x+1)/(40*x-1)$  lgdogf  
A170338 7.13608  $[{a(n+2)-40*a(n+1), a(0) = 1, a(1) = 41}],$  ogf]  
A170339 13.2625  $-1/2-41/2*x+1/2*(1+86*x+1681*x^2)^{(1/2)}$  revogf  
A170339 13.8966  $[ -(x+1)/(41*x-1)$  ogf]  
A170339 28.7354  $-42/(x+1)/(41*x-1)$  lgdogf  
A170339 7.13608  $[{a(n+2)-41*a(n+1), a(0) = 1, a(1) = 42}],$  ogf]  
A170340 13.9678  $[ -(x+1)/(42*x-1)$  ogf]  
A170340 14.0526  $-1/2-21*x+1/2*(1+88*x+1764*x^2)^{(1/2)}$  revogf  
A170340 28.8859  $-43/(x+1)/(42*x-1)$  lgdogf  
A170340 7.17268  $[{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43}],$  ogf]  
A170341 13.4014  $-1/2-43/2*x+1/2*(1+90*x+1849*x^2)^{(1/2)}$  revogf  
A170341 14.0391  $[ -(x+1)/(43*x-1)$  ogf]  
A170341 29.0363  $-44/(x+1)/(43*x-1)$  lgdogf  
A170341 7.20927  $[{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44}],$  ogf]  
A170342 14.1816  $[ -(x+1)/(44*x-1)$  ogf]  
A170342 14.2722  $-1/2-22*x+1/2*(1+92*x+1936*x^2)^{(1/2)}$  revogf  
A170342 29.3372  $-45/(x+1)/(44*x-1)$  lgdogf  
A170342 7.28246  $[{a(n+2)-44*a(n+1), a(0) = 1, a(1) = 45}],$  ogf]  
A170343 13.5403  $-1/2-45/2*x+1/2*(1+94*x+2025*x^2)^{(1/2)}$  revogf  
A170343 14.1816  $[ -(x+1)/(45*x-1)$  ogf]  
A170343 29.3372  $-46/(x+1)/(45*x-1)$  lgdogf  
A170343 7.28246  $[{a(n+2)-45*a(n+1), a(0) = 1, a(1) = 46}],$  ogf]  
A170344 14.1816  $[ -(x+1)/(46*x-1)$  ogf]  
A170344 14.2722  $-1/2-23*x+1/2*(1+96*x+2116*x^2)^{(1/2)}$  revogf  
A170344 29.3372  $-47/(x+1)/(46*x-1)$  lgdogf  
A170344 7.28246  $[{a(n+2)-46*a(n+1), a(0) = 1, a(1) = 47}],$  ogf]  
A170345 13.8180  $-47/2*x-1/2+1/2*(2209*x^2+98*x+1)^{(1/2)}$  revogf  
A170345 14.4667  $[ -(x+1)/(47*x-1)$  ogf]  
A170345 29.9390  $-48/(x+1)/(47*x-1)$  lgdogf  
A170345 7.42884  $[{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48}],$  ogf]  
A170346 13.8180  $-1/2-24*x+1/2*((1+36*x)*(64*x+1))^{(1/2)}$  revogf  
A170346 14.4667  $[ -(x+1)/(48*x-1)$  ogf]  
A170346 29.9390  $-49/(x+1)/(48*x-1)$  lgdogf

A170346 7.42884  $[ \{a(n+2)-48a(n+1), a(0) = 1, a(1) = 49\}, \text{ogf}]$   
A170347 13.4725  $-1/2-49/2*x+1/2*(1+102*x+2401*x^2)^{(1/2)}$  revogf  
A170347 14.4667  $[ -(x+1)/(49*x-1)$  ogf]  
A170347 29.9390  $-50/(x+1)/(49*x-1)$  lgdogf  
A170347 7.42884  $[ \{a(n+2)-49a(n+1), a(0) = 1, a(1) = 50\}, \text{ogf}]$   
A170348 19.2957  $[ -(x+1)/(2*x-1)$  ogf]  
A170348 23.3360  $-x-1/2+1/2*(4*x^2+8*x+1)^{(1/2)}$  revogf  
A170348 43.7550  $-3/(2*x-1)/(x+1)$  lgdogf  
A170348 9.91586  $[ \{a(n+2)-2a(n+1), a(0) = 1, a(1) = 3\}, \text{ogf}]$   
A170349 17.6994  $[ -(x+1)/(3*x-1)$  ogf]  
A170349 17.8290  $-3/2*x-1/2+1/2*((x+1)*(1+9*x))^{(1/2)}$  revogf  
A170349 37.7556  $-4/(-1+3*x)/(x+1)$  lgdogf  
A170349 9.09553  $[ \{a(n+2)-3a(n+1), a(0) = 1, a(1) = 4\}, \text{ogf}]$   
A170350 17.7799  $[ -(x+1)/(4*x-1)$  ogf]  
A170350 18.9748  $-2*x-1/2+1/2*(16*x^2+12*x+1)^{(1/2)}$  revogf  
A170350 40.3215  $-5/(x+1)/(4*x-1)$  lgdogf  
A170350 9.13689  $[ \{a(n+2)-4a(n+1), a(0) = 1, a(1) = 5\}, \text{ogf}]$   
A170351 16.6248  $[ -(x+1)/(5*x-1)$  ogf]  
A170351 16.7431  $-1/2-5/2*x+1/2*(1+14*x+25*x^2)^{(1/2)}$  revogf  
A170351 37.6720  $-6/(x+1)/(5*x-1)$  lgdogf  
A170351 8.54329  $[ \{a(n+2)-5a(n+1), a(0) = 1, a(1) = 6\}, \text{ogf}]$   
A170352 16.3746  $[ -(x+1)/(-1+6*x)$  ogf]  
A170352 17.4612  $-3*x-1/2+1/2*(36*x^2+16*x+1)^{(1/2)}$  revogf  
A170352 37.1051  $-7/(x+1)/(6*x-1)$  lgdogf  
A170352 8.41471  $[ \{a(n+2)-6a(n+1), a(0) = 1, a(1) = 7\}, \text{ogf}]$   
A170353 15.7883  $[ -(x+1)/(7*x-1)$  ogf]  
A170353 15.8940  $-1/2-7/2*x+1/2*(1+18*x+49*x^2)^{(1/2)}$  revogf  
A170353 35.7615  $-8/(x+1)/(7*x-1)$  lgdogf  
A170353 8.11343  $[ \{a(n+2)-7a(n+1), a(0) = 1, a(1) = 8\}, \text{ogf}]$   
A170354 16.2741  $-4*x-1/2+1/2*((4*x+1)*(1+16*x))^{(1/2)}$  revogf  
A170354 16.5980  $[ -(x+1)/(8*x-1)$  ogf]  
A170354 37.6339  $-9/(x+1)/(8*x-1)$  lgdogf  
A170354 8.52951  $[ \{a(n+2)-8a(n+1), a(0) = 1, a(1) = 9\}, \text{ogf}]$   
A170355 15.5180  $[ -(x+1)/(9*x-1)$  ogf]  
A170355 15.6219  $-1/2-9/2*x+1/2*(1+22*x+81*x^2)^{(1/2)}$  revogf  
A170355 33.0816  $-10/(x+1)/(9*x-1)$  lgdogf  
A170355 7.86529  $[ \{a(n+2)-9a(n+1), a(0) = 1, a(1) = 10\}, \text{ogf}]$   
A170356 14.6040  $[ -(x+1)/(10*x-1)$  ogf]  
A170356 15.5254  $-5*x-1/2+1/2*(100*x^2+24*x+1)^{(1/2)}$  revogf  
A170356 30.1883  $-11/(x+1)/(10*x-1)$  lgdogf  
A170356 7.49934  $[ \{a(n+2)-10a(n+1), a(0) = 1, a(1) = 11\}, \text{ogf}]$   
A170357 14.2997  $-1/2-11/2*x+1/2*(1+26*x+121*x^2)^{(1/2)}$  revogf  
A170357 14.6040  $[ -(x+1)/(11*x-1)$  ogf]  
A170357 30.1883  $-12/(x+1)/(11*x-1)$  lgdogf  
A170357 7.49934  $[ \{a(n+2)-11a(n+1), a(0) = 1, a(1) = 12\}, \text{ogf}]$   
A170358 13.1968  $[ -(x+1)/(12*x-1)$  ogf]  
A170358 14.0042  $-1/2-6*x+1/2*(1+28*x+144*x^2)^{(1/2)}$  revogf  
A170358 27.2303  $-13/(x+1)/(12*x-1)$  lgdogf  
A170358 6.77673  $[ \{a(n+2)-12a(n+1), a(0) = 1, a(1) = 13\}, \text{ogf}]$   
A170359 13.1968  $-1/2-13/2*x+1/2*(1+30*x+169*x^2)^{(1/2)}$  revogf  
A170359 13.4950  $[ -(x+1)/(13*x-1)$  ogf]  
A170359 27.8599  $-14/(x+1)/(13*x-1)$  lgdogf  
A170359 6.92988  $[ \{a(n+2)-13a(n+1), a(0) = 1, a(1) = 14\}, \text{ogf}]$   
A170360 13.8678  $[ -(x+1)/(14*x-1)$  ogf]  
A170360 14.7327  $-1/2-7*x+1/2*(1+32*x+196*x^2)^{(1/2)}$  revogf  
A170360 28.6469  $-15/(1+x)/(14*x-1)$  lgdogf  
A170360 7.12131  $[ \{a(n+2)-14a(n+1), a(0) = 1, a(1) = 15\}, \text{ogf}]$   
A170361 13.1036  $-1/2-15/2*x+1/2*((1+9*x)*(1+25*x))^{(1/2)}$  revogf  
A170361 14.0915  $[ -(x+1)/(15*x-1)$  ogf]  
A170361 29.1191  $-16/(x+1)/(15*x-1)$  lgdogf  
A170361 7.23618  $[ \{a(n+2)-15a(n+1), a(0) = 1, a(1) = 16\}, \text{ogf}]$

A170362 14.4643 [  $-(x+1)/(16x-1)$  ogf]  
A170362 15.3803  $-1/2-8x+1/2*(1+36x+256x^2)^{(1/2)}$  revogf  
A170362 29.9061  $-17/(x+1)/(16x-1)$  lgdogf  
A170362 7.42761 [ $\{a(n+2)-16a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A170363 14.3897  $-1/2-17/2x+1/2*(1+38x+289x^2)^{(1/2)}$  revogf  
A170363 14.6879 [  $-(x+1)/(17x-1)$  ogf]  
A170363 30.3783  $-18/(x+1)/(17x-1)$  lgdogf  
A170363 7.54246 [ $\{a(n+2)-17a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A170364 13.0604 [  $-(x+1)/(18x-1)$  ogf]  
A170364 13.8630  $-1/2-9x+1/2*(1+40x+324x^2)^{(1/2)}$  revogf  
A170364 26.9557  $-19/(x+1)/(18x-1)$  lgdogf  
A170364 6.70668 [ $\{a(n+2)-18a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A170365 12.9144  $-1/2-19/2x+1/2*(1+42x+361x^2)^{(1/2)}$  revogf  
A170365 13.2063 [  $-(x+1)/(19x-1)$  ogf]  
A170365 27.2638  $-20/(x+1)/(19x-1)$  lgdogf  
A170365 6.78161 [ $\{a(n+2)-19a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A170366 13.4252 [  $-(x+1)/(20x-1)$  ogf]  
A170366 13.8630  $-1/2-10x+1/2*(1+44x+400x^2)^{(1/2)}$  revogf  
A170366 26.2666  $-21/(1+x)/(-1+20x)$  lgdogf  
A170366 6.89401 [ $\{a(n+2)-20a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A170367 13.2063  $-1/2-21/2x+1/2*(1+46x+441x^2)^{(1/2)}$  revogf  
A170367 13.4981 [  $-(x+1)/(21x-1)$  ogf]  
A170367 27.8799  $-22/(1+x)/(21x-1)$  lgdogf  
A170367 6.93147 [ $\{a(n+2)-21a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A170368 13.8629 [  $-(x+1)/(22x-1)$  ogf]  
A170368 14.3250  $-1/2-11x+1/2*(1+48x+484x^2)^{(1/2)}$  revogf  
A170368 28.6501  $-23/(x+1)/(22x-1)$  lgdogf  
A170368 7.11881 [ $\{a(n+2)-22a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A170369 13.6441  $-23/2x-1/2+1/2*(529x^2+50x+1)^{(1/2)}$  revogf  
A170369 13.9359 [  $-(x+1)/(23x-1)$  ogf]  
A170369 28.8041  $-24/(x+1)/(23x-1)$  lgdogf  
A170369 7.15628 [ $\{a(n+2)-23a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A170370 13.4364  $-12x-1/2+1/2*((1+16x)*(1+36x))^{(1/2)}$  revogf  
A170370 14.0818 [  $-(x+1)/(24x-1)$  ogf]  
A170370 29.1122  $-25/(x+1)/(24x-1)$  lgdogf  
A170370 7.23122 [ $\{a(n+2)-24a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A170371 13.9359  $-1/2-25/2x+1/2*(1+54x+625x^2)^{(1/2)}$  revogf  
A170371 14.2278 [  $-(x+1)/(25x-1)$  ogf]  
A170371 29.4203  $-26/(x+1)/(25x-1)$  lgdogf  
A170371 7.30615 [ $\{a(n+2)-25a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A170372 14.3737 [  $-(x+1)/(26x-1)$  ogf]  
A170372 14.8642  $-13x-1/2+1/2*(676x^2+56x+1)^{(1/2)}$  revogf  
A170372 29.7283  $-27/(x+1)/(26x-1)$  lgdogf  
A170372 7.38108 [ $\{a(n+2)-26a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A170373 14.3007  $-27/2x-1/2+1/2*(729x^2+58x+1)^{(1/2)}$  revogf  
A170373 14.5926 [  $-(x+1)/(27x-1)$  ogf]  
A170373 30.1904  $-28/(x+1)/(27x-1)$  lgdogf  
A170373 7.49349 [ $\{a(n+2)-27a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A170374 14.6656 [  $-(x+1)/(28x-1)$  ogf]  
A170374 15.1722  $-14x-1/2+1/2*(784x^2+60x+1)^{(1/2)}$  revogf  
A170374 30.3445  $-29/(x+1)/(28x-1)$  lgdogf  
A170374 7.53096 [ $\{a(n+2)-28a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A170375 14.5196  $-29/2x-1/2+1/2*(841x^2+62x+1)^{(1/2)}$  revogf  
A170375 14.8115 [  $-(x+1)/(29x-1)$  ogf]  
A170375 30.6525  $-30/(x+1)/(29x-1)$  lgdogf  
A170375 7.60589 [ $\{a(n+2)-29a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A170376 14.8844 [  $-(x+1)/(30x-1)$  ogf]  
A170376 15.4033  $-15x-1/2+1/2*(900x^2+64x+1)^{(1/2)}$  revogf  
A170376 30.8066  $-31/(x+1)/(30x-1)$  lgdogf  
A170376 7.64335 [ $\{a(n+2)-30a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A170377 14.5926  $-31/2x-1/2+1/2*(961x^2+66x+1)^{(1/2)}$  revogf

A170377 14.8844 [  $-(x+1)/(31x-1)$  ogf]  
A170377 30.8066  $-32/(x+1)/(31x-1)$  lgdogf  
A170377 7.64335 [  $\{a(n+2)-31a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A170378 15.3952 [  $-(x+1)/(32x-1)$  ogf]  
A170378 15.5115  $-1/2-16x+1/2*(1+68x+1024x^2)^{(1/2)}$  revogf  
A170378 31.8848  $-33/(x+1)/(32x-1)$  lgdogf  
A170378 7.90562 [  $\{a(n+2)-32a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A170379 14.7161  $-1/2-33/2*x+1/2*(1+70*x+1089*x^2)^{(1/2)}$  revogf  
A170379 15.3952 [  $-(x+1)/(33x-1)$  ogf]  
A170379 31.8848  $-34/(x+1)/(33x-1)$  lgdogf  
A170379 7.90562 [  $\{a(n+2)-33a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A170380 15.3952 [  $-(x+1)/(34x-1)$  ogf]  
A170380 15.5115  $-1/2-17x+1/2*(1+72*x+1156*x^2)^{(1/2)}$  revogf  
A170380 31.8848  $-35/(x+1)/(34x-1)$  lgdogf  
A170380 7.90562 [  $\{a(n+2)-34a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A170381 14.1334  $-35/2*x-1/2+1/2*((1+25*x)*(1+49*x))^{(1/2)}$  revogf  
A170381 15.5411 [  $-(x+1)/(35x-1)$  ogf]  
A170381 32.1929  $-36/(x+1)/(35x-1)$  lgdogf  
A170381 7.98057 [  $\{a(n+2)-35a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A170382 13.5403 [  $-(x+1)/(36x-1)$  ogf]  
A170382 13.6134  $-1/2-18x+1/2*(1+76*x+1296*x^2)^{(1/2)}$  revogf  
A170382 27.9832  $-37/(x+1)/(36x-1)$  lgdogf  
A170382 6.95311 [  $\{a(n+2)-36a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A170383 12.9153  $-1/2-37/2*x+1/2*(1+78*x+1369*x^2)^{(1/2)}$  revogf  
A170383 13.5403 [  $-(x+1)/(37x-1)$  ogf]  
A170383 27.9832  $-38/(x+1)/(37x-1)$  lgdogf  
A170383 6.95311 [  $\{a(n+2)-37a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A170384 13.6828 [  $-(x+1)/(38x-1)$  ogf]  
A170384 13.7598  $-1/2-19x+1/2*(1+80*x+1444*x^2)^{(1/2)}$  revogf  
A170384 28.2841  $-39/(x+1)/(38x-1)$  lgdogf  
A170384 7.02630 [  $\{a(n+2)-38a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A170385 13.1236  $-39/2*x-1/2+1/2*(1521*x^2+82*x+1)^{(1/2)}$  revogf  
A170385 13.7541 [  $-(x+1)/(39x-1)$  ogf]  
A170385 28.4345  $-40/(x+1)/(39x-1)$  lgdogf  
A170385 7.06289 [  $\{a(n+2)-39a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A170386 13.8966 [  $-(x+1)/(40x-1)$  ogf]  
A170386 13.9794  $-20*x-1/2+1/2*(1600*x^2+84*x+1)^{(1/2)}$  revogf  
A170386 28.7354  $-41/(x+1)/(40x-1)$  lgdogf  
A170386 7.13608 [  $\{a(n+2)-40a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A170387 13.2625  $-1/2-41/2*x+1/2*(1+86*x+1681*x^2)^{(1/2)}$  revogf  
A170387 13.8966 [  $-(x+1)/(41x-1)$  ogf]  
A170387 28.7354  $-42/(x+1)/(41x-1)$  lgdogf  
A170387 7.13608 [  $\{a(n+2)-41a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A170388 13.9678 [  $-(x+1)/(42x-1)$  ogf]  
A170388 14.0526  $-1/2-21x+1/2*(1+88*x+1764*x^2)^{(1/2)}$  revogf  
A170388 28.8859  $-43/(x+1)/(42x-1)$  lgdogf  
A170388 7.17268 [  $\{a(n+2)-42a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A170389 13.4014  $-1/2-43/2*x+1/2*(1+90*x+1849*x^2)^{(1/2)}$  revogf  
A170389 14.0391 [  $-(x+1)/(43x-1)$  ogf]  
A170389 29.0363  $-44/(x+1)/(43x-1)$  lgdogf  
A170389 7.20927 [  $\{a(n+2)-43a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A170390 14.1816 [  $-(x+1)/(44x-1)$  ogf]  
A170390 14.2722  $-1/2-22x+1/2*(1+92*x+1936*x^2)^{(1/2)}$  revogf  
A170390 29.3372  $-45/(x+1)/(44x-1)$  lgdogf  
A170390 7.28246 [  $\{a(n+2)-44a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A170391 13.5403  $-1/2-45/2*x+1/2*(1+94*x+2025*x^2)^{(1/2)}$  revogf  
A170391 14.1816 [  $-(x+1)/(45x-1)$  ogf]  
A170391 29.3372  $-46/(x+1)/(45x-1)$  lgdogf  
A170391 7.28246 [  $\{a(n+2)-45a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A170392 14.1816 [  $-(x+1)/(46x-1)$  ogf]  
A170392 14.2722  $-1/2-23x+1/2*(1+96*x+2116*x^2)^{(1/2)}$  revogf

A170392 29.3372  $-47/(x+1)/(46*x-1)$  lgdogf  
A170392 7.28246  $[ \{a(n+2)-46*a(n+1), a(0) = 1, a(1) = 47\}, ogf]$   
A170393 13.8180  $-47/2*x-1/2+1/2*(2209*x^2+98*x+1)^{(1/2)}$  revogf  
A170393 14.4667  $[ -(x+1)/(47*x-1)$  ogf]  
A170393 29.9390  $-48/(x+1)/(47*x-1)$  lgdogf  
A170393 7.42884  $[ \{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48\}, ogf]$   
A170394 13.8180  $-1/2-24*x+1/2*((1+36*x)*(64*x+1))^{(1/2)}$  revogf  
A170394 14.4667  $[ -(x+1)/(48*x-1)$  ogf]  
A170394 29.9390  $-49/(x+1)/(48*x-1)$  lgdogf  
A170394 7.42884  $[ \{a(n+2)-48*a(n+1), a(0) = 1, a(1) = 49\}, ogf]$   
A170395 13.4725  $-1/2-49/2*x+1/2*(1+102*x+2401*x^2)^{(1/2)}$  revogf  
A170395 14.4667  $[ -(x+1)/(49*x-1)$  ogf]  
A170395 29.9390  $-50/(x+1)/(49*x-1)$  lgdogf  
A170395 7.42884  $[ \{a(n+2)-49*a(n+1), a(0) = 1, a(1) = 50\}, ogf]$   
A170396 19.2957  $[ -(x+1)/(2*x-1)$  ogf]  
A170396 23.3360  $-x-1/2+1/2*(4*x^2+8*x+1)^{(1/2)}$  revogf  
A170396 43.7550  $-3/(2*x-1)/(x+1)$  lgdogf  
A170396 9.91586  $[ \{a(n+2)-2*a(n+1), a(0) = 1, a(1) = 3\}, ogf]$   
A170397 17.6994  $[ -(x+1)/(3*x-1)$  ogf]  
A170397 17.8290  $-3/2*x-1/2+1/2*((x+1)*(1+9*x))^{(1/2)}$  revogf  
A170397 37.7556  $-4/(-1+3*x)/(x+1)$  lgdogf  
A170397 9.09553  $[ \{a(n+2)-3*a(n+1), a(0) = 1, a(1) = 4\}, ogf]$   
A170398 17.7799  $[ -(x+1)/(4*x-1)$  ogf]  
A170398 18.9748  $-2*x-1/2+1/2*(16*x^2+12*x+1)^{(1/2)}$  revogf  
A170398 40.3215  $-5/(x+1)/(4*x-1)$  lgdogf  
A170398 9.13689  $[ \{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 5\}, ogf]$   
A170399 16.6248  $[ -(x+1)/(5*x-1)$  ogf]  
A170399 16.7431  $-1/2-5/2*x+1/2*(1+14*x+25*x^2)^{(1/2)}$  revogf  
A170399 37.6720  $-6/(x+1)/(5*x-1)$  lgdogf  
A170399 8.54329  $[ \{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 6\}, ogf]$   
A170400 16.3746  $[ -(x+1)/(-1+6*x)$  ogf]  
A170400 17.4612  $-3*x-1/2+1/2*(36*x^2+16*x+1)^{(1/2)}$  revogf  
A170400 37.1051  $-7/(x+1)/(6*x-1)$  lgdogf  
A170400 8.41471  $[ \{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 7\}, ogf]$   
A170401 15.7883  $[ -(x+1)/(7*x-1)$  ogf]  
A170401 15.8940  $-1/2-7/2*x+1/2*(1+18*x+49*x^2)^{(1/2)}$  revogf  
A170401 35.7615  $-8/(x+1)/(7*x-1)$  lgdogf  
A170401 8.11343  $[ \{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 8\}, ogf]$   
A170402 16.2741  $-4*x-1/2+1/2*((4*x+1)*(1+16*x))^{(1/2)}$  revogf  
A170402 16.5980  $[ -(x+1)/(8*x-1)$  ogf]  
A170402 37.6339  $-9/(x+1)/(8*x-1)$  lgdogf  
A170402 8.52951  $[ \{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9\}, ogf]$   
A170403 15.5180  $[ -(x+1)/(9*x-1)$  ogf]  
A170403 15.6219  $-1/2-9/2*x+1/2*(1+22*x+81*x^2)^{(1/2)}$  revogf  
A170403 33.0816  $-10/(x+1)/(9*x-1)$  lgdogf  
A170403 7.86529  $[ \{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 10\}, ogf]$   
A170404 14.6040  $[ -(x+1)/(10*x-1)$  ogf]  
A170404 15.5254  $-5*x-1/2+1/2*(100*x^2+24*x+1)^{(1/2)}$  revogf  
A170404 30.1883  $-11/(x+1)/(10*x-1)$  lgdogf  
A170404 7.49934  $[ \{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 11\}, ogf]$   
A170405 14.2997  $-1/2-11/2*x+1/2*(1+26*x+121*x^2)^{(1/2)}$  revogf  
A170405 14.6040  $[ -(x+1)/(11*x-1)$  ogf]  
A170405 30.1883  $-12/(x+1)/(11*x-1)$  lgdogf  
A170405 7.49934  $[ \{a(n+2)-11*a(n+1), a(0) = 1, a(1) = 12\}, ogf]$   
A170406 13.1968  $[ -(x+1)/(12*x-1)$  ogf]  
A170406 14.0042  $-1/2-6*x+1/2*(1+28*x+144*x^2)^{(1/2)}$  revogf  
A170406 27.2303  $-13/(x+1)/(12*x-1)$  lgdogf  
A170406 6.77673  $[ \{a(n+2)-12*a(n+1), a(0) = 1, a(1) = 13\}, ogf]$   
A170407 13.1968  $-1/2-13/2*x+1/2*(1+30*x+169*x^2)^{(1/2)}$  revogf  
A170407 13.4950  $[ -(x+1)/(13*x-1)$  ogf]  
A170407 27.8599  $-14/(x+1)/(13*x-1)$  lgdogf



A170407 6.92988  $[ \{a(n+2)-13a(n+1), a(0) = 1, a(1) = 14\}, \text{ogf}]$   
A170408 13.8678  $[ -(x+1)/(14x-1) \text{ogf}]$   
A170408 14.7327  $-1/2-7x+1/2*(1+32x+196x^2)^{(1/2)} \text{revogf}$   
A170408 28.6469  $-15/(1+x)/(14x-1) \text{lgdogf}$   
A170408 7.12131  $[ \{a(n+2)-14a(n+1), a(0) = 1, a(1) = 15\}, \text{ogf}]$   
A170409 13.1036  $-1/2-15/2x+1/2*((1+9x)*(1+25x))^{(1/2)} \text{revogf}$   
A170409 14.0915  $[ -(x+1)/(15x-1) \text{ogf}]$   
A170409 29.1191  $-16/(x+1)/(15x-1) \text{lgdogf}$   
A170409 7.23618  $[ \{a(n+2)-15a(n+1), a(0) = 1, a(1) = 16\}, \text{ogf}]$   
A170410 14.4643  $[ -(x+1)/(16x-1) \text{ogf}]$   
A170410 15.3803  $-1/2-8x+1/2*(1+36x+256x^2)^{(1/2)} \text{revogf}$   
A170410 29.9061  $-17/(x+1)/(16x-1) \text{lgdogf}$   
A170410 7.42761  $[ \{a(n+2)-16a(n+1), a(0) = 1, a(1) = 17\}, \text{ogf}]$   
A170411 14.3897  $-1/2-17/2x+1/2*(1+38x+289x^2)^{(1/2)} \text{revogf}$   
A170411 14.6879  $[ -(x+1)/(17x-1) \text{ogf}]$   
A170411 30.3783  $-18/(x+1)/(17x-1) \text{lgdogf}$   
A170411 7.54246  $[ \{a(n+2)-17a(n+1), a(0) = 1, a(1) = 18\}, \text{ogf}]$   
A170412 13.0604  $[ -(x+1)/(18x-1) \text{ogf}]$   
A170412 13.8630  $-1/2-9x+1/2*(1+40x+324x^2)^{(1/2)} \text{revogf}$   
A170412 26.9557  $-19/(x+1)/(18x-1) \text{lgdogf}$   
A170412 6.70668  $[ \{a(n+2)-18a(n+1), a(0) = 1, a(1) = 19\}, \text{ogf}]$   
A170413 12.9144  $-1/2-19/2x+1/2*(1+42x+361x^2)^{(1/2)} \text{revogf}$   
A170413 13.2063  $[ -(x+1)/(19x-1) \text{ogf}]$   
A170413 27.2638  $-20/(x+1)/(19x-1) \text{lgdogf}$   
A170413 6.78161  $[ \{a(n+2)-19a(n+1), a(0) = 1, a(1) = 20\}, \text{ogf}]$   
A170414 13.4252  $[ -(x+1)/(20x-1) \text{ogf}]$   
A170414 13.8630  $-1/2-10x+1/2*(1+44x+400x^2)^{(1/2)} \text{revogf}$   
A170414 26.2666  $-21/(1+x)/(-1+20x) \text{lgdogf}$   
A170414 6.89401  $[ \{a(n+2)-20a(n+1), a(0) = 1, a(1) = 21\}, \text{ogf}]$   
A170415 13.2063  $-1/2-21/2x+1/2*(1+46x+441x^2)^{(1/2)} \text{revogf}$   
A170415 13.4981  $[ -(x+1)/(21x-1) \text{ogf}]$   
A170415 27.8799  $-22/(1+x)/(21x-1) \text{lgdogf}$   
A170415 6.93147  $[ \{a(n+2)-21a(n+1), a(0) = 1, a(1) = 22\}, \text{ogf}]$   
A170416 13.8629  $[ -(x+1)/(22x-1) \text{ogf}]$   
A170416 14.3250  $-1/2-11x+1/2*(1+48x+484x^2)^{(1/2)} \text{revogf}$   
A170416 28.6501  $-23/(x+1)/(22x-1) \text{lgdogf}$   
A170416 7.11881  $[ \{a(n+2)-22a(n+1), a(0) = 1, a(1) = 23\}, \text{ogf}]$   
A170417 13.6441  $-23/2x-1/2+1/2*(529x^2+50x+1)^{(1/2)} \text{revogf}$   
A170417 13.9359  $[ -(x+1)/(23x-1) \text{ogf}]$   
A170417 28.8041  $-24/(x+1)/(23x-1) \text{lgdogf}$   
A170417 7.15628  $[ \{a(n+2)-23a(n+1), a(0) = 1, a(1) = 24\}, \text{ogf}]$   
A170418 13.4364  $-12x-1/2+1/2*((1+16x)*(1+36x))^{(1/2)} \text{revogf}$   
A170418 14.0818  $[ -(x+1)/(24x-1) \text{ogf}]$   
A170418 29.1122  $-25/(x+1)/(24x-1) \text{lgdogf}$   
A170418 7.23122  $[ \{a(n+2)-24a(n+1), a(0) = 1, a(1) = 25\}, \text{ogf}]$   
A170419 13.9359  $-1/2-25/2x+1/2*(1+54x+625x^2)^{(1/2)} \text{revogf}$   
A170419 14.2278  $[ -(x+1)/(25x-1) \text{ogf}]$   
A170419 29.4203  $-26/(x+1)/(25x-1) \text{lgdogf}$   
A170419 7.30615  $[ \{a(n+2)-25a(n+1), a(0) = 1, a(1) = 26\}, \text{ogf}]$   
A170420 14.3737  $[ -(x+1)/(26x-1) \text{ogf}]$   
A170420 14.8642  $-13x-1/2+1/2*(676x^2+56x+1)^{(1/2)} \text{revogf}$   
A170420 29.7283  $-27/(x+1)/(26x-1) \text{lgdogf}$   
A170420 7.38108  $[ \{a(n+2)-26a(n+1), a(0) = 1, a(1) = 27\}, \text{ogf}]$   
A170421 14.3007  $-27/2x-1/2+1/2*(729x^2+58x+1)^{(1/2)} \text{revogf}$   
A170421 14.5926  $[ -(x+1)/(27x-1) \text{ogf}]$   
A170421 30.1904  $-28/(x+1)/(27x-1) \text{lgdogf}$   
A170421 7.49349  $[ \{a(n+2)-27a(n+1), a(0) = 1, a(1) = 28\}, \text{ogf}]$   
A170422 14.6656  $[ -(x+1)/(28x-1) \text{ogf}]$   
A170422 15.1722  $-14x-1/2+1/2*(784x^2+60x+1)^{(1/2)} \text{revogf}$   
A170422 30.3445  $-29/(x+1)/(28x-1) \text{lgdogf}$   
A170422 7.53096  $[ \{a(n+2)-28a(n+1), a(0) = 1, a(1) = 29\}, \text{ogf}]$

A170423 14.5196  $-29/2*x-1/2+1/2*(841*x^2+62*x+1)^{(1/2)}$  revogf  
A170423 14.8115  $[-(x+1)/(29*x-1)$  ogf]  
A170423 30.6525  $-30/(x+1)/(29*x-1)$  lgdogf  
A170423 7.60589  $[{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30},$  ogf]  
A170424 14.8844  $[-(x+1)/(30*x-1)$  ogf]  
A170424 15.4033  $-15*x-1/2+1/2*(900*x^2+64*x+1)^{(1/2)}$  revogf  
A170424 30.8066  $-31/(x+1)/(30*x-1)$  lgdogf  
A170424 7.64335  $[{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31},$  ogf]  
A170425 14.5926  $-31/2*x-1/2+1/2*(961*x^2+66*x+1)^{(1/2)}$  revogf  
A170425 14.8844  $[-(x+1)/(31*x-1)$  ogf]  
A170425 30.8066  $-32/(x+1)/(31*x-1)$  lgdogf  
A170425 7.64335  $[{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32},$  ogf]  
A170426 15.3952  $[-(x+1)/(32*x-1)$  ogf]  
A170426 15.5115  $-1/2-16*x+1/2*(1+68*x+1024*x^2)^{(1/2)}$  revogf  
A170426 31.8848  $-33/(x+1)/(32*x-1)$  lgdogf  
A170426 7.90562  $[{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33},$  ogf]  
A170427 14.7161  $-1/2-33/2*x+1/2*(1+70*x+1089*x^2)^{(1/2)}$  revogf  
A170427 15.3952  $[-(x+1)/(33*x-1)$  ogf]  
A170427 31.8848  $-34/(x+1)/(33*x-1)$  lgdogf  
A170427 7.90562  $[{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34},$  ogf]  
A170428 15.3952  $[-(x+1)/(34*x-1)$  ogf]  
A170428 15.5115  $-1/2-17*x+1/2*(1+72*x+1156*x^2)^{(1/2)}$  revogf  
A170428 31.8848  $-35/(x+1)/(34*x-1)$  lgdogf  
A170428 7.90562  $[{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35},$  ogf]  
A170429 14.1334  $-35/2*x-1/2+1/2*((1+25*x)*(1+49*x))^{(1/2)}$  revogf  
A170429 15.5411  $[-(x+1)/(35*x-1)$  ogf]  
A170429 32.1929  $-36/(x+1)/(35*x-1)$  lgdogf  
A170429 7.98057  $[{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36},$  ogf]  
A170430 13.5403  $[-(x+1)/(36*x-1)$  ogf]  
A170430 13.6134  $-1/2-18*x+1/2*(1+76*x+1296*x^2)^{(1/2)}$  revogf  
A170430 27.9832  $-37/(x+1)/(36*x-1)$  lgdogf  
A170430 6.95311  $[{a(n+2)-36*a(n+1), a(0) = 1, a(1) = 37},$  ogf]  
A170431 12.9153  $-1/2-37/2*x+1/2*(1+78*x+1369*x^2)^{(1/2)}$  revogf  
A170431 13.5403  $[-(x+1)/(37*x-1)$  ogf]  
A170431 27.9832  $-38/(x+1)/(37*x-1)$  lgdogf  
A170431 6.95311  $[{a(n+2)-37*a(n+1), a(0) = 1, a(1) = 38},$  ogf]  
A170432 13.6828  $[-(x+1)/(38*x-1)$  ogf]  
A170432 13.7598  $-1/2-19*x+1/2*(1+80*x+1444*x^2)^{(1/2)}$  revogf  
A170432 28.2841  $-39/(x+1)/(38*x-1)$  lgdogf  
A170432 7.02630  $[{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39},$  ogf]  
A170433 13.1236  $-39/2*x-1/2+1/2*(1521*x^2+82*x+1)^{(1/2)}$  revogf  
A170433 13.7541  $[-(x+1)/(39*x-1)$  ogf]  
A170433 28.4345  $-40/(x+1)/(39*x-1)$  lgdogf  
A170433 7.06289  $[{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40},$  ogf]  
A170434 13.8966  $[-(x+1)/(40*x-1)$  ogf]  
A170434 13.9794  $-20*x-1/2+1/2*(1600*x^2+84*x+1)^{(1/2)}$  revogf  
A170434 28.7354  $-41/(x+1)/(40*x-1)$  lgdogf  
A170434 7.13608  $[{a(n+2)-40*a(n+1), a(0) = 1, a(1) = 41},$  ogf]  
A170435 13.2625  $-1/2-41/2*x+1/2*(1+86*x+1681*x^2)^{(1/2)}$  revogf  
A170435 13.8966  $[-(x+1)/(41*x-1)$  ogf]  
A170435 28.7354  $-42/(x+1)/(41*x-1)$  lgdogf  
A170435 7.13608  $[{a(n+2)-41*a(n+1), a(0) = 1, a(1) = 42},$  ogf]  
A170436 13.9678  $[-(x+1)/(42*x-1)$  ogf]  
A170436 14.0526  $-1/2-21*x+1/2*(1+88*x+1764*x^2)^{(1/2)}$  revogf  
A170436 28.8859  $-43/(x+1)/(42*x-1)$  lgdogf  
A170436 7.17268  $[{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43},$  ogf]  
A170437 13.4014  $-1/2-43/2*x+1/2*(1+90*x+1849*x^2)^{(1/2)}$  revogf  
A170437 14.0391  $[-(x+1)/(43*x-1)$  ogf]  
A170437 29.0363  $-44/(x+1)/(43*x-1)$  lgdogf  
A170437 7.20927  $[{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44},$  ogf]  
A170438 14.1816  $[-(x+1)/(44*x-1)$  ogf]

A170438 14.2722  $-1/2-22*x+1/2*(1+92*x+1936*x^2)^{(1/2)}$  revogf  
A170438 29.3372  $-45/(x+1)/(44*x-1)$  lgdogf  
A170438 7.28246  $[{a(n+2)-44*a(n+1), a(0) = 1, a(1) = 45}], ogf]$   
A170439 13.5403  $-1/2-45/2*x+1/2*(1+94*x+2025*x^2)^{(1/2)}$  revogf  
A170439 14.1816  $[ -(x+1)/(45*x-1) ogf]$   
A170439 29.3372  $-46/(x+1)/(45*x-1)$  lgdogf  
A170439 7.28246  $[{a(n+2)-45*a(n+1), a(0) = 1, a(1) = 46}], ogf]$   
A170440 14.1816  $[ -(x+1)/(46*x-1) ogf]$   
A170440 14.2722  $-1/2-23*x+1/2*(1+96*x+2116*x^2)^{(1/2)}$  revogf  
A170440 29.3372  $-47/(x+1)/(46*x-1)$  lgdogf  
A170440 7.28246  $[{a(n+2)-46*a(n+1), a(0) = 1, a(1) = 47}], ogf]$   
A170441 13.8180  $-47/2*x-1/2+1/2*(2209*x^2+98*x+1)^{(1/2)}$  revogf  
A170441 14.4667  $[ -(x+1)/(47*x-1) ogf]$   
A170441 29.9390  $-48/(x+1)/(47*x-1)$  lgdogf  
A170441 7.42884  $[{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48}], ogf]$   
A170442 13.8180  $-1/2-24*x+1/2*((1+36*x)*(64*x+1))^{(1/2)}$  revogf  
A170442 14.4667  $[ -(x+1)/(48*x-1) ogf]$   
A170442 29.9390  $-49/(x+1)/(48*x-1)$  lgdogf  
A170442 7.42884  $[{a(n+2)-48*a(n+1), a(0) = 1, a(1) = 49}], ogf]$   
A170443 13.4725  $-1/2-49/2*x+1/2*(1+102*x+2401*x^2)^{(1/2)}$  revogf  
A170443 14.4667  $[ -(x+1)/(49*x-1) ogf]$   
A170443 29.9390  $-50/(x+1)/(49*x-1)$  lgdogf  
A170443 7.42884  $[{a(n+2)-49*a(n+1), a(0) = 1, a(1) = 50}], ogf]$   
A170444 19.2957  $[ -(x+1)/(2*x-1) ogf]$   
A170444 23.3360  $-x-1/2+1/2*(4*x^2+8*x+1)^{(1/2)}$  revogf  
A170444 43.7550  $-3/(2*x-1)/(x+1)$  lgdogf  
A170444 9.91586  $[{a(n+2)-2*a(n+1), a(0) = 1, a(1) = 3}], ogf]$   
A170445 17.6994  $[ -(x+1)/(3*x-1) ogf]$   
A170445 17.8290  $-3/2*x-1/2+1/2*((x+1)*(1+9*x))^{(1/2)}$  revogf  
A170445 37.7556  $-4/(-1+3*x)/(x+1)$  lgdogf  
A170445 9.09553  $[{a(n+2)-3*a(n+1), a(0) = 1, a(1) = 4}], ogf]$   
A170446 17.7799  $[ -(x+1)/(4*x-1) ogf]$   
A170446 18.9748  $-2*x-1/2+1/2*(16*x^2+12*x+1)^{(1/2)}$  revogf  
A170446 40.3215  $-5/(x+1)/(4*x-1)$  lgdogf  
A170446 9.13689  $[{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 5}], ogf]$   
A170447 16.6248  $[ -(x+1)/(5*x-1) ogf]$   
A170447 16.7431  $-1/2-5/2*x+1/2*(1+14*x+25*x^2)^{(1/2)}$  revogf  
A170447 37.6720  $-6/(x+1)/(5*x-1)$  lgdogf  
A170447 8.54329  $[{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 6}], ogf]$   
A170448 16.3746  $[ -(x+1)/(-1+6*x) ogf]$   
A170448 17.4612  $-3*x-1/2+1/2*(36*x^2+16*x+1)^{(1/2)}$  revogf  
A170448 37.1051  $-7/(x+1)/(6*x-1)$  lgdogf  
A170448 8.41471  $[{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 7}], ogf]$   
A170449 15.7883  $[ -(x+1)/(7*x-1) ogf]$   
A170449 15.8940  $-1/2-7/2*x+1/2*(1+18*x+49*x^2)^{(1/2)}$  revogf  
A170449 35.7615  $-8/(x+1)/(7*x-1)$  lgdogf  
A170449 8.11343  $[{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 8}], ogf]$   
A170450 16.2741  $-4*x-1/2+1/2*((4*x+1)*(1+16*x))^{(1/2)}$  revogf  
A170450 16.5980  $[ -(x+1)/(8*x-1) ogf]$   
A170450 37.6339  $-9/(x+1)/(8*x-1)$  lgdogf  
A170450 8.52951  $[{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9}], ogf]$   
A170451 15.5180  $[ -(x+1)/(9*x-1) ogf]$   
A170451 15.6219  $-1/2-9/2*x+1/2*(1+22*x+81*x^2)^{(1/2)}$  revogf  
A170451 33.0816  $-10/(x+1)/(9*x-1)$  lgdogf  
A170451 7.86529  $[{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 10}], ogf]$   
A170452 14.6040  $[ -(x+1)/(10*x-1) ogf]$   
A170452 15.5254  $-5*x-1/2+1/2*(100*x^2+24*x+1)^{(1/2)}$  revogf  
A170452 30.1883  $-11/(x+1)/(10*x-1)$  lgdogf  
A170452 7.49934  $[{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 11}], ogf]$   
A170453 14.2997  $-1/2-11/2*x+1/2*(1+26*x+121*x^2)^{(1/2)}$  revogf  
A170453 14.6040  $[ -(x+1)/(11*x-1) ogf]$

A170453 30.1883  $-12/(x+1)/(11*x-1)$  lgdogf  
A170453 7.49934  $[ \{a(n+2)-11*a(n+1), a(0) = 1, a(1) = 12\}, ogf]$   
A170454 13.1968  $[ -(x+1)/(12*x-1)$  ogf]  
A170454 14.0042  $-1/2-6*x+1/2*(1+28*x+144*x^2)^{(1/2)}$  revogf  
A170454 27.2303  $-13/(x+1)/(12*x-1)$  lgdogf  
A170454 6.77673  $[ \{a(n+2)-12*a(n+1), a(0) = 1, a(1) = 13\}, ogf]$   
A170455 13.1968  $-1/2-13/2*x+1/2*(1+30*x+169*x^2)^{(1/2)}$  revogf  
A170455 13.4950  $[ -(x+1)/(13*x-1)$  ogf]  
A170455 27.8599  $-14/(x+1)/(13*x-1)$  lgdogf  
A170455 6.92988  $[ \{a(n+2)-13*a(n+1), a(0) = 1, a(1) = 14\}, ogf]$   
A170456 13.8678  $[ -(x+1)/(14*x-1)$  ogf]  
A170456 14.7327  $-1/2-7*x+1/2*(1+32*x+196*x^2)^{(1/2)}$  revogf  
A170456 28.6469  $-15/(1+x)/(14*x-1)$  lgdogf  
A170456 7.12131  $[ \{a(n+2)-14*a(n+1), a(0) = 1, a(1) = 15\}, ogf]$   
A170457 13.1036  $-1/2-15/2*x+1/2*((1+9*x)*(1+25*x))^{(1/2)}$  revogf  
A170457 14.0915  $[ -(x+1)/(15*x-1)$  ogf]  
A170457 29.1191  $-16/(x+1)/(15*x-1)$  lgdogf  
A170457 7.23618  $[ \{a(n+2)-15*a(n+1), a(0) = 1, a(1) = 16\}, ogf]$   
A170458 14.4643  $[ -(x+1)/(16*x-1)$  ogf]  
A170458 15.3803  $-1/2-8*x+1/2*(1+36*x+256*x^2)^{(1/2)}$  revogf  
A170458 29.9061  $-17/(x+1)/(16*x-1)$  lgdogf  
A170458 7.42761  $[ \{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 17\}, ogf]$   
A170459 14.3897  $-1/2-17/2*x+1/2*(1+38*x+289*x^2)^{(1/2)}$  revogf  
A170459 14.6879  $[ -(x+1)/(17*x-1)$  ogf]  
A170459 30.3783  $-18/(x+1)/(17*x-1)$  lgdogf  
A170459 7.54246  $[ \{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18\}, ogf]$   
A170460 13.0604  $[ -(x+1)/(18*x-1)$  ogf]  
A170460 13.8630  $-1/2-9*x+1/2*(1+40*x+324*x^2)^{(1/2)}$  revogf  
A170460 26.9557  $-19/(x+1)/(18*x-1)$  lgdogf  
A170460 6.70668  $[ \{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19\}, ogf]$   
A170461 12.9144  $-1/2-19/2*x+1/2*(1+42*x+361*x^2)^{(1/2)}$  revogf  
A170461 13.2063  $[ -(x+1)/(19*x-1)$  ogf]  
A170461 27.2638  $-20/(x+1)/(19*x-1)$  lgdogf  
A170461 6.78161  $[ \{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20\}, ogf]$   
A170462 13.4252  $[ -(x+1)/(20*x-1)$  ogf]  
A170462 13.8630  $-1/2-10*x+1/2*(1+44*x+400*x^2)^{(1/2)}$  revogf  
A170462 26.2666  $-21/(1+x)/(-1+20*x)$  lgdogf  
A170462 6.89401  $[ \{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21\}, ogf]$   
A170463 13.2063  $-1/2-21/2*x+1/2*(1+46*x+441*x^2)^{(1/2)}$  revogf  
A170463 13.4981  $[ -(x+1)/(21*x-1)$  ogf]  
A170463 27.8799  $-22/(1+x)/(21*x-1)$  lgdogf  
A170463 6.93147  $[ \{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22\}, ogf]$   
A170464 13.8629  $[ -(x+1)/(22*x-1)$  ogf]  
A170464 14.3250  $-1/2-11*x+1/2*(1+48*x+484*x^2)^{(1/2)}$  revogf  
A170464 28.6501  $-23/(x+1)/(22*x-1)$  lgdogf  
A170464 7.11881  $[ \{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23\}, ogf]$   
A170465 13.6441  $-23/2*x-1/2+1/2*(529*x^2+50*x+1)^{(1/2)}$  revogf  
A170465 13.9359  $[ -(x+1)/(23*x-1)$  ogf]  
A170465 28.8041  $-24/(x+1)/(23*x-1)$  lgdogf  
A170465 7.15628  $[ \{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24\}, ogf]$   
A170466 13.4364  $-12*x-1/2+1/2*((1+16*x)*(1+36*x))^{(1/2)}$  revogf  
A170466 14.0818  $[ -(x+1)/(24*x-1)$  ogf]  
A170466 29.1122  $-25/(x+1)/(24*x-1)$  lgdogf  
A170466 7.23122  $[ \{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25\}, ogf]$   
A170467 13.9359  $-1/2-25/2*x+1/2*(1+54*x+625*x^2)^{(1/2)}$  revogf  
A170467 14.2278  $[ -(x+1)/(25*x-1)$  ogf]  
A170467 29.4203  $-26/(x+1)/(25*x-1)$  lgdogf  
A170467 7.30615  $[ \{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26\}, ogf]$   
A170468 14.3737  $[ -(x+1)/(26*x-1)$  ogf]  
A170468 14.8642  $-13*x-1/2+1/2*(676*x^2+56*x+1)^{(1/2)}$  revogf  
A170468 29.7283  $-27/(x+1)/(26*x-1)$  lgdogf

A170468 7.38108 [ $\{a(n+2)-26a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A170469 14.3007  $-27/2x-1/2+1/2*(729x^2+58x+1)^{(1/2)}$  revogf  
A170469 14.5926 [ $-(x+1)/(27x-1)$  ogf]  
A170469 30.1904  $-28/(x+1)/(27x-1)$  lgdogf  
A170469 7.49349 [ $\{a(n+2)-27a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A170470 14.6656 [ $-(x+1)/(28x-1)$  ogf]  
A170470 15.1722  $-14x-1/2+1/2*(784x^2+60x+1)^{(1/2)}$  revogf  
A170470 30.3445  $-29/(x+1)/(28x-1)$  lgdogf  
A170470 7.53096 [ $\{a(n+2)-28a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A170471 14.5196  $-29/2x-1/2+1/2*(841x^2+62x+1)^{(1/2)}$  revogf  
A170471 14.8115 [ $-(x+1)/(29x-1)$  ogf]  
A170471 30.6525  $-30/(x+1)/(29x-1)$  lgdogf  
A170471 7.60589 [ $\{a(n+2)-29a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A170472 14.8844 [ $-(x+1)/(30x-1)$  ogf]  
A170472 15.4033  $-15x-1/2+1/2*(900x^2+64x+1)^{(1/2)}$  revogf  
A170472 30.8066  $-31/(x+1)/(30x-1)$  lgdogf  
A170472 7.64335 [ $\{a(n+2)-30a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A170473 14.5926  $-31/2x-1/2+1/2*(961x^2+66x+1)^{(1/2)}$  revogf  
A170473 14.8844 [ $-(x+1)/(31x-1)$  ogf]  
A170473 30.8066  $-32/(x+1)/(31x-1)$  lgdogf  
A170473 7.64335 [ $\{a(n+2)-31a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A170474 15.3952 [ $-(x+1)/(32x-1)$  ogf]  
A170474 15.5115  $-1/2-16x+1/2*(1+68x+1024x^2)^{(1/2)}$  revogf  
A170474 31.8848  $-33/(x+1)/(32x-1)$  lgdogf  
A170474 7.90562 [ $\{a(n+2)-32a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A170475 14.7161  $-1/2-33/2x+1/2*(1+70x+1089x^2)^{(1/2)}$  revogf  
A170475 15.3952 [ $-(x+1)/(33x-1)$  ogf]  
A170475 31.8848  $-34/(x+1)/(33x-1)$  lgdogf  
A170475 7.90562 [ $\{a(n+2)-33a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A170476 15.3952 [ $-(x+1)/(34x-1)$  ogf]  
A170476 15.5115  $-1/2-17x+1/2*(1+72x+1156x^2)^{(1/2)}$  revogf  
A170476 31.8848  $-35/(x+1)/(34x-1)$  lgdogf  
A170476 7.90562 [ $\{a(n+2)-34a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A170477 14.1334  $-35/2x-1/2+1/2*((1+25x)*(1+49x))^{(1/2)}$  revogf  
A170477 15.5411 [ $-(x+1)/(35x-1)$  ogf]  
A170477 32.1929  $-36/(x+1)/(35x-1)$  lgdogf  
A170477 7.98057 [ $\{a(n+2)-35a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A170478 13.5403 [ $-(x+1)/(36x-1)$  ogf]  
A170478 13.6134  $-1/2-18x+1/2*(1+76x+1296x^2)^{(1/2)}$  revogf  
A170478 27.9832  $-37/(x+1)/(36x-1)$  lgdogf  
A170478 6.95311 [ $\{a(n+2)-36a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A170479 12.9153  $-1/2-37/2x+1/2*(1+78x+1369x^2)^{(1/2)}$  revogf  
A170479 13.5403 [ $-(x+1)/(37x-1)$  ogf]  
A170479 27.9832  $-38/(x+1)/(37x-1)$  lgdogf  
A170479 6.95311 [ $\{a(n+2)-37a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A170480 13.6828 [ $-(x+1)/(38x-1)$  ogf]  
A170480 13.7598  $-1/2-19x+1/2*(1+80x+1444x^2)^{(1/2)}$  revogf  
A170480 28.2841  $-39/(x+1)/(38x-1)$  lgdogf  
A170480 7.02630 [ $\{a(n+2)-38a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A170481 13.1236  $-39/2x-1/2+1/2*(1521x^2+82x+1)^{(1/2)}$  revogf  
A170481 13.7541 [ $-(x+1)/(39x-1)$  ogf]  
A170481 28.4345  $-40/(x+1)/(39x-1)$  lgdogf  
A170481 7.06289 [ $\{a(n+2)-39a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A170482 13.8966 [ $-(x+1)/(40x-1)$  ogf]  
A170482 13.9794  $-20x-1/2+1/2*(1600x^2+84x+1)^{(1/2)}$  revogf  
A170482 28.7354  $-41/(x+1)/(40x-1)$  lgdogf  
A170482 7.13608 [ $\{a(n+2)-40a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A170483 13.2625  $-1/2-41/2x+1/2*(1+86x+1681x^2)^{(1/2)}$  revogf  
A170483 13.8966 [ $-(x+1)/(41x-1)$  ogf]  
A170483 28.7354  $-42/(x+1)/(41x-1)$  lgdogf  
A170483 7.13608 [ $\{a(n+2)-41a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]

A170484 13.9678 [  $-(x+1)/(42x-1)$  ogf]  
A170484 14.0526  $-1/2-21x+1/2*(1+88x+1764x^2)^{(1/2)}$  revogf  
A170484 28.8859  $-43/(x+1)/(42x-1)$  lgdogf  
A170484 7.17268 [  $\{a(n+2)-42a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A170485 13.4014  $-1/2-43/2x+1/2*(1+90x+1849x^2)^{(1/2)}$  revogf  
A170485 14.0391 [  $-(x+1)/(43x-1)$  ogf]  
A170485 29.0363  $-44/(x+1)/(43x-1)$  lgdogf  
A170485 7.20927 [  $\{a(n+2)-43a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A170486 14.1816 [  $-(x+1)/(44x-1)$  ogf]  
A170486 14.2722  $-1/2-22x+1/2*(1+92x+1936x^2)^{(1/2)}$  revogf  
A170486 29.3372  $-45/(x+1)/(44x-1)$  lgdogf  
A170486 7.28246 [  $\{a(n+2)-44a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A170487 13.5403  $-1/2-45/2x+1/2*(1+94x+2025x^2)^{(1/2)}$  revogf  
A170487 14.1816 [  $-(x+1)/(45x-1)$  ogf]  
A170487 29.3372  $-46/(x+1)/(45x-1)$  lgdogf  
A170487 7.28246 [  $\{a(n+2)-45a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A170488 14.1816 [  $-(x+1)/(46x-1)$  ogf]  
A170488 14.2722  $-1/2-23x+1/2*(1+96x+2116x^2)^{(1/2)}$  revogf  
A170488 29.3372  $-47/(x+1)/(46x-1)$  lgdogf  
A170488 7.28246 [  $\{a(n+2)-46a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A170489 13.8180  $-47/2x-1/2+1/2*(2209x^2+98x+1)^{(1/2)}$  revogf  
A170489 14.4667 [  $-(x+1)/(47x-1)$  ogf]  
A170489 29.9390  $-48/(x+1)/(47x-1)$  lgdogf  
A170489 7.42884 [  $\{a(n+2)-47a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A170490 13.8180  $-1/2-24x+1/2*((1+36x)*(64x+1))^{(1/2)}$  revogf  
A170490 14.4667 [  $-(x+1)/(48x-1)$  ogf]  
A170490 29.9390  $-49/(x+1)/(48x-1)$  lgdogf  
A170490 7.42884 [  $\{a(n+2)-48a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A170491 13.4725  $-1/2-49/2x+1/2*(1+102x+2401x^2)^{(1/2)}$  revogf  
A170491 14.4667 [  $-(x+1)/(49x-1)$  ogf]  
A170491 29.9390  $-50/(x+1)/(49x-1)$  lgdogf  
A170491 7.42884 [  $\{a(n+2)-49a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A170492 19.2957 [  $-(x+1)/(2x-1)$  ogf]  
A170492 23.3360  $-x-1/2+1/2*(4x^2+8x+1)^{(1/2)}$  revogf  
A170492 43.7550  $-3/(2x-1)/(x+1)$  lgdogf  
A170492 9.91586 [  $\{a(n+2)-2a(n+1), a(0) = 1, a(1) = 3\}$ , ogf]  
A170493 17.6994 [  $-(x+1)/(3x-1)$  ogf]  
A170493 17.8290  $-3/2x-1/2+1/2*((x+1)*(1+9x))^{(1/2)}$  revogf  
A170493 37.7556  $-4/(-1+3x)/(x+1)$  lgdogf  
A170493 9.09553 [  $\{a(n+2)-3a(n+1), a(0) = 1, a(1) = 4\}$ , ogf]  
A170494 17.7799 [  $-(x+1)/(4x-1)$  ogf]  
A170494 18.9748  $-2x-1/2+1/2*(16x^2+12x+1)^{(1/2)}$  revogf  
A170494 40.3215  $-5/(x+1)/(4x-1)$  lgdogf  
A170494 9.13689 [  $\{a(n+2)-4a(n+1), a(0) = 1, a(1) = 5\}$ , ogf]  
A170495 16.6248 [  $-(x+1)/(5x-1)$  ogf]  
A170495 16.7431  $-1/2-5/2x+1/2*(1+14x+25x^2)^{(1/2)}$  revogf  
A170495 37.6720  $-6/(x+1)/(5x-1)$  lgdogf  
A170495 8.54329 [  $\{a(n+2)-5a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A170496 16.3746 [  $-(x+1)/(-1+6x)$  ogf]  
A170496 17.4612  $-3x-1/2+1/2*(36x^2+16x+1)^{(1/2)}$  revogf  
A170496 37.1051  $-7/(x+1)/(6x-1)$  lgdogf  
A170496 8.41471 [  $\{a(n+2)-6a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A170497 15.7883 [  $-(x+1)/(7x-1)$  ogf]  
A170497 15.8940  $-1/2-7/2x+1/2*(1+18x+49x^2)^{(1/2)}$  revogf  
A170497 35.7615  $-8/(x+1)/(7x-1)$  lgdogf  
A170497 8.11343 [  $\{a(n+2)-7a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A170498 16.2741  $-4x-1/2+1/2*((4x+1)*(1+16x))^{(1/2)}$  revogf  
A170498 16.5980 [  $-(x+1)/(8x-1)$  ogf]  
A170498 37.6339  $-9/(x+1)/(8x-1)$  lgdogf  
A170498 8.52951 [  $\{a(n+2)-8a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A170499 15.5180 [  $-(x+1)/(9x-1)$  ogf]

A170499 15.6219  $-1/2-9/2*x+1/2*(1+22*x+81*x^2)^{(1/2)}$  revogf  
A170499 33.0816  $-10/(x+1)/(9*x-1)$  lgdogf  
A170499 7.86529  $[{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 10}], ogf]$   
A170500 14.6040  $[ -(x+1)/(10*x-1) ogf]$   
A170500 15.5254  $-5*x-1/2+1/2*(100*x^2+24*x+1)^{(1/2)}$  revogf  
A170500 30.1883  $-11/(x+1)/(10*x-1)$  lgdogf  
A170500 7.49934  $[{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 11}], ogf]$   
A170501 14.2997  $-1/2-11/2*x+1/2*(1+26*x+121*x^2)^{(1/2)}$  revogf  
A170501 14.6040  $[ -(x+1)/(11*x-1) ogf]$   
A170501 30.1883  $-12/(x+1)/(11*x-1)$  lgdogf  
A170501 7.49934  $[{a(n+2)-11*a(n+1), a(0) = 1, a(1) = 12}], ogf]$   
A170502 13.1968  $[ -(x+1)/(12*x-1) ogf]$   
A170502 14.0042  $-1/2-6*x+1/2*(1+28*x+144*x^2)^{(1/2)}$  revogf  
A170502 27.2303  $-13/(x+1)/(12*x-1)$  lgdogf  
A170502 6.77673  $[{a(n+2)-12*a(n+1), a(0) = 1, a(1) = 13}], ogf]$   
A170503 13.1968  $-1/2-13/2*x+1/2*(1+30*x+169*x^2)^{(1/2)}$  revogf  
A170503 13.4950  $[ -(x+1)/(13*x-1) ogf]$   
A170503 27.8599  $-14/(x+1)/(13*x-1)$  lgdogf  
A170503 6.92988  $[{a(n+2)-13*a(n+1), a(0) = 1, a(1) = 14}], ogf]$   
A170504 13.8678  $[ -(x+1)/(14*x-1) ogf]$   
A170504 14.7327  $-1/2-7*x+1/2*(1+32*x+196*x^2)^{(1/2)}$  revogf  
A170504 28.6469  $-15/(1+x)/(14*x-1)$  lgdogf  
A170504 7.12131  $[{a(n+2)-14*a(n+1), a(0) = 1, a(1) = 15}], ogf]$   
A170505 13.1036  $-1/2-15/2*x+1/2*((1+9*x)*(1+25*x))^{(1/2)}$  revogf  
A170505 14.0915  $[ -(x+1)/(15*x-1) ogf]$   
A170505 29.1191  $-16/(x+1)/(15*x-1)$  lgdogf  
A170505 7.23618  $[{a(n+2)-15*a(n+1), a(0) = 1, a(1) = 16}], ogf]$   
A170506 14.4643  $[ -(x+1)/(16*x-1) ogf]$   
A170506 15.3803  $-1/2-8*x+1/2*(1+36*x+256*x^2)^{(1/2)}$  revogf  
A170506 29.9061  $-17/(x+1)/(16*x-1)$  lgdogf  
A170506 7.42761  $[{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 17}], ogf]$   
A170507 14.3897  $-1/2-17/2*x+1/2*(1+38*x+289*x^2)^{(1/2)}$  revogf  
A170507 14.6879  $[ -(x+1)/(17*x-1) ogf]$   
A170507 30.3783  $-18/(x+1)/(17*x-1)$  lgdogf  
A170507 7.54246  $[{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18}], ogf]$   
A170508 13.0604  $[ -(x+1)/(18*x-1) ogf]$   
A170508 13.8630  $-1/2-9*x+1/2*(1+40*x+324*x^2)^{(1/2)}$  revogf  
A170508 26.9557  $-19/(x+1)/(18*x-1)$  lgdogf  
A170508 6.70668  $[{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19}], ogf]$   
A170509 12.9144  $-1/2-19/2*x+1/2*(1+42*x+361*x^2)^{(1/2)}$  revogf  
A170509 13.2063  $[ -(x+1)/(19*x-1) ogf]$   
A170509 27.2638  $-20/(x+1)/(19*x-1)$  lgdogf  
A170509 6.78161  $[{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20}], ogf]$   
A170510 13.4252  $[ -(x+1)/(20*x-1) ogf]$   
A170510 13.8630  $-1/2-10*x+1/2*(1+44*x+400*x^2)^{(1/2)}$  revogf  
A170510 26.2666  $-21/(1+x)/(-1+20*x)$  lgdogf  
A170510 6.89401  $[{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21}], ogf]$   
A170511 13.2063  $-1/2-21/2*x+1/2*(1+46*x+441*x^2)^{(1/2)}$  revogf  
A170511 13.4981  $[ -(x+1)/(21*x-1) ogf]$   
A170511 27.8799  $-22/(1+x)/(21*x-1)$  lgdogf  
A170511 6.93147  $[{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22}], ogf]$   
A170512 13.8629  $[ -(x+1)/(22*x-1) ogf]$   
A170512 14.3250  $-1/2-11*x+1/2*(1+48*x+484*x^2)^{(1/2)}$  revogf  
A170512 28.6501  $-23/(x+1)/(22*x-1)$  lgdogf  
A170512 7.11881  $[{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23}], ogf]$   
A170513 13.6441  $-23/2*x-1/2+1/2*(529*x^2+50*x+1)^{(1/2)}$  revogf  
A170513 13.9359  $[ -(x+1)/(23*x-1) ogf]$   
A170513 28.8041  $-24/(x+1)/(23*x-1)$  lgdogf  
A170513 7.15628  $[{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24}], ogf]$   
A170514 13.4364  $-12*x-1/2+1/2*((1+16*x)*(1+36*x))^{(1/2)}$  revogf  
A170514 14.0818  $[ -(x+1)/(24*x-1) ogf]$

A170514 29.1122  $-25/(x+1)/(24*x-1)$  lgdogf  
A170514 7.23122  $[ \{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25\}, ogf ]$   
A170515 13.9359  $-1/2-25/2*x+1/2*(1+54*x+625*x^2)^{(1/2)}$  revogf  
A170515 14.2278  $[ -(x+1)/(25*x-1)$  ogf]  
A170515 29.4203  $-26/(x+1)/(25*x-1)$  lgdogf  
A170515 7.30615  $[ \{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26\}, ogf ]$   
A170516 14.3737  $[ -(x+1)/(26*x-1)$  ogf]  
A170516 14.8642  $-13*x-1/2+1/2*(676*x^2+56*x+1)^{(1/2)}$  revogf  
A170516 29.7283  $-27/(x+1)/(26*x-1)$  lgdogf  
A170516 7.38108  $[ \{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27\}, ogf ]$   
A170517 14.3007  $-27/2*x-1/2+1/2*(729*x^2+58*x+1)^{(1/2)}$  revogf  
A170517 14.5926  $[ -(x+1)/(27*x-1)$  ogf]  
A170517 30.1904  $-28/(x+1)/(27*x-1)$  lgdogf  
A170517 7.49349  $[ \{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28\}, ogf ]$   
A170518 14.6656  $[ -(x+1)/(28*x-1)$  ogf]  
A170518 15.1722  $-14*x-1/2+1/2*(784*x^2+60*x+1)^{(1/2)}$  revogf  
A170518 30.3445  $-29/(x+1)/(28*x-1)$  lgdogf  
A170518 7.53096  $[ \{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29\}, ogf ]$   
A170519 14.5196  $-29/2*x-1/2+1/2*(841*x^2+62*x+1)^{(1/2)}$  revogf  
A170519 14.8115  $[ -(x+1)/(29*x-1)$  ogf]  
A170519 30.6525  $-30/(x+1)/(29*x-1)$  lgdogf  
A170519 7.60589  $[ \{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30\}, ogf ]$   
A170520 14.8844  $[ -(x+1)/(30*x-1)$  ogf]  
A170520 15.4033  $-15*x-1/2+1/2*(900*x^2+64*x+1)^{(1/2)}$  revogf  
A170520 30.8066  $-31/(x+1)/(30*x-1)$  lgdogf  
A170520 7.64335  $[ \{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31\}, ogf ]$   
A170521 14.5926  $-31/2*x-1/2+1/2*(961*x^2+66*x+1)^{(1/2)}$  revogf  
A170521 14.8844  $[ -(x+1)/(31*x-1)$  ogf]  
A170521 30.8066  $-32/(x+1)/(31*x-1)$  lgdogf  
A170521 7.64335  $[ \{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32\}, ogf ]$   
A170522 15.3952  $[ -(x+1)/(32*x-1)$  ogf]  
A170522 15.5115  $-1/2-16*x+1/2*(1+68*x+1024*x^2)^{(1/2)}$  revogf  
A170522 31.8848  $-33/(x+1)/(32*x-1)$  lgdogf  
A170522 7.90562  $[ \{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33\}, ogf ]$   
A170523 14.7161  $-1/2-33/2*x+1/2*(1+70*x+1089*x^2)^{(1/2)}$  revogf  
A170523 15.3952  $[ -(x+1)/(33*x-1)$  ogf]  
A170523 31.8848  $-34/(x+1)/(33*x-1)$  lgdogf  
A170523 7.90562  $[ \{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34\}, ogf ]$   
A170524 15.3952  $[ -(x+1)/(34*x-1)$  ogf]  
A170524 15.5115  $-1/2-17*x+1/2*(1+72*x+1156*x^2)^{(1/2)}$  revogf  
A170524 31.8848  $-35/(x+1)/(34*x-1)$  lgdogf  
A170524 7.90562  $[ \{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35\}, ogf ]$   
A170525 14.1334  $-35/2*x-1/2+1/2*((1+25*x)*(1+49*x))^{(1/2)}$  revogf  
A170525 15.5411  $[ -(x+1)/(35*x-1)$  ogf]  
A170525 32.1929  $-36/(x+1)/(35*x-1)$  lgdogf  
A170525 7.98057  $[ \{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36\}, ogf ]$   
A170526 13.5403  $[ -(x+1)/(36*x-1)$  ogf]  
A170526 13.6134  $-1/2-18*x+1/2*(1+76*x+1296*x^2)^{(1/2)}$  revogf  
A170526 27.9832  $-37/(x+1)/(36*x-1)$  lgdogf  
A170526 6.95311  $[ \{a(n+2)-36*a(n+1), a(0) = 1, a(1) = 37\}, ogf ]$   
A170527 12.9153  $-1/2-37/2*x+1/2*(1+78*x+1369*x^2)^{(1/2)}$  revogf  
A170527 13.5403  $[ -(x+1)/(37*x-1)$  ogf]  
A170527 27.9832  $-38/(x+1)/(37*x-1)$  lgdogf  
A170527 6.95311  $[ \{a(n+2)-37*a(n+1), a(0) = 1, a(1) = 38\}, ogf ]$   
A170528 13.6828  $[ -(x+1)/(38*x-1)$  ogf]  
A170528 13.7598  $-1/2-19*x+1/2*(1+80*x+1444*x^2)^{(1/2)}$  revogf  
A170528 28.2841  $-39/(x+1)/(38*x-1)$  lgdogf  
A170528 7.02630  $[ \{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39\}, ogf ]$   
A170529 13.1236  $-39/2*x-1/2+1/2*(1521*x^2+82*x+1)^{(1/2)}$  revogf  
A170529 13.7541  $[ -(x+1)/(39*x-1)$  ogf]  
A170529 28.4345  $-40/(x+1)/(39*x-1)$  lgdogf



A170529 7.06289 [ $\{a(n+2)-39a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A170530 13.8966 [ $-(x+1)/(40x-1)$  ogf]  
A170530 13.9794  $-20x^{-1/2}+1/2*(1600x^2+84x+1)^{1/2}$  revogf  
A170530 28.7354  $-41/(x+1)/(40x-1)$  lgdogf  
A170530 7.13608 [ $\{a(n+2)-40a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A170531 13.2625  $-1/2-41/2*x+1/2*(1+86*x+1681*x^2)^{1/2}$  revogf  
A170531 13.8966 [ $-(x+1)/(41x-1)$  ogf]  
A170531 28.7354  $-42/(x+1)/(41x-1)$  lgdogf  
A170531 7.13608 [ $\{a(n+2)-41a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A170532 13.9678 [ $-(x+1)/(42x-1)$  ogf]  
A170532 14.0526  $-1/2-21*x+1/2*(1+88*x+1764*x^2)^{1/2}$  revogf  
A170532 28.8859  $-43/(x+1)/(42x-1)$  lgdogf  
A170532 7.17268 [ $\{a(n+2)-42a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A170533 13.4014  $-1/2-43/2*x+1/2*(1+90*x+1849*x^2)^{1/2}$  revogf  
A170533 14.0391 [ $-(x+1)/(43x-1)$  ogf]  
A170533 29.0363  $-44/(x+1)/(43x-1)$  lgdogf  
A170533 7.20927 [ $\{a(n+2)-43a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A170534 14.1816 [ $-(x+1)/(44x-1)$  ogf]  
A170534 14.2722  $-1/2-22*x+1/2*(1+92*x+1936*x^2)^{1/2}$  revogf  
A170534 29.3372  $-45/(x+1)/(44x-1)$  lgdogf  
A170534 7.28246 [ $\{a(n+2)-44a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A170535 13.5403  $-1/2-45/2*x+1/2*(1+94*x+2025*x^2)^{1/2}$  revogf  
A170535 14.1816 [ $-(x+1)/(45x-1)$  ogf]  
A170535 29.3372  $-46/(x+1)/(45x-1)$  lgdogf  
A170535 7.28246 [ $\{a(n+2)-45a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A170536 14.1816 [ $-(x+1)/(46x-1)$  ogf]  
A170536 14.2722  $-1/2-23*x+1/2*(1+96*x+2116*x^2)^{1/2}$  revogf  
A170536 29.3372  $-47/(x+1)/(46x-1)$  lgdogf  
A170536 7.28246 [ $\{a(n+2)-46a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A170537 13.8180  $-47/2*x-1/2+1/2*(2209*x^2+98*x+1)^{1/2}$  revogf  
A170537 14.4667 [ $-(x+1)/(47x-1)$  ogf]  
A170537 29.9390  $-48/(x+1)/(47x-1)$  lgdogf  
A170537 7.42884 [ $\{a(n+2)-47a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A170538 13.8180  $-1/2-24*x+1/2*((1+36*x)*(64*x+1))^{1/2}$  revogf  
A170538 14.4667 [ $-(x+1)/(48x-1)$  ogf]  
A170538 29.9390  $-49/(x+1)/(48x-1)$  lgdogf  
A170538 7.42884 [ $\{a(n+2)-48a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A170539 13.4725  $-1/2-49/2*x+1/2*(1+102*x+2401*x^2)^{1/2}$  revogf  
A170539 14.4667 [ $-(x+1)/(49x-1)$  ogf]  
A170539 29.9390  $-50/(x+1)/(49x-1)$  lgdogf  
A170539 7.42884 [ $\{a(n+2)-49a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A170540 19.2957 [ $-(x+1)/(2*x-1)$  ogf]  
A170540 23.3360  $-x-1/2+1/2*(4*x^2+8*x+1)^{1/2}$  revogf  
A170540 43.7550  $-3/(2*x-1)/(x+1)$  lgdogf  
A170540 9.91586 [ $\{a(n+2)-2a(n+1), a(0) = 1, a(1) = 3\}$ , ogf]  
A170541 17.6994 [ $-(x+1)/(3*x-1)$  ogf]  
A170541 17.8290  $-3/2*x-1/2+1/2*(x+1)*(1+9*x)^{1/2}$  revogf  
A170541 37.7556  $-4/(-1+3*x)/(x+1)$  lgdogf  
A170541 9.09553 [ $\{a(n+2)-3a(n+1), a(0) = 1, a(1) = 4\}$ , ogf]  
A170542 17.7799 [ $-(x+1)/(4*x-1)$  ogf]  
A170542 18.9748  $-2*x-1/2+1/2*(16*x^2+12*x+1)^{1/2}$  revogf  
A170542 40.3215  $-5/(x+1)/(4*x-1)$  lgdogf  
A170542 9.13689 [ $\{a(n+2)-4a(n+1), a(0) = 1, a(1) = 5\}$ , ogf]  
A170543 16.6248 [ $-(x+1)/(5*x-1)$  ogf]  
A170543 16.7431  $-1/2-5/2*x+1/2*(1+14*x+25*x^2)^{1/2}$  revogf  
A170543 37.6720  $-6/(x+1)/(5*x-1)$  lgdogf  
A170543 8.54329 [ $\{a(n+2)-5a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A170544 16.3746 [ $-(x+1)/(-1+6*x)$  ogf]  
A170544 17.4612  $-3*x-1/2+1/2*(36*x^2+16*x+1)^{1/2}$  revogf  
A170544 37.1051  $-7/(x+1)/(6*x-1)$  lgdogf  
A170544 8.41471 [ $\{a(n+2)-6a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]

A170545 15.7883 [  $-(x+1)/(7*x-1)$  ogf]  
A170545 15.8940  $-1/2-7/2*x+1/2*(1+18*x+49*x^2)^{(1/2)}$  revogf  
A170545 35.7615  $-8/(x+1)/(7*x-1)$  lgdogf  
A170545 8.11343 [  $\{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A170546 16.2741  $-4*x-1/2+1/2*((4*x+1)*(1+16*x))^{(1/2)}$  revogf  
A170546 16.5980 [  $-(x+1)/(8*x-1)$  ogf]  
A170546 37.6339  $-9/(x+1)/(8*x-1)$  lgdogf  
A170546 8.52951 [  $\{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A170547 15.5180 [  $-(x+1)/(9*x-1)$  ogf]  
A170547 15.6219  $-1/2-9/2*x+1/2*(1+22*x+81*x^2)^{(1/2)}$  revogf  
A170547 33.0816  $-10/(x+1)/(9*x-1)$  lgdogf  
A170547 7.86529 [  $\{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A170548 14.6040 [  $-(x+1)/(10*x-1)$  ogf]  
A170548 15.5254  $-5*x-1/2+1/2*(100*x^2+24*x+1)^{(1/2)}$  revogf  
A170548 30.1883  $-11/(x+1)/(10*x-1)$  lgdogf  
A170548 7.49934 [  $\{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A170549 14.2997  $-1/2-11/2*x+1/2*(1+26*x+121*x^2)^{(1/2)}$  revogf  
A170549 14.6040 [  $-(x+1)/(11*x-1)$  ogf]  
A170549 30.1883  $-12/(x+1)/(11*x-1)$  lgdogf  
A170549 7.49934 [  $\{a(n+2)-11*a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A170550 13.1968 [  $-(x+1)/(12*x-1)$  ogf]  
A170550 14.0042  $-1/2-6*x+1/2*(1+28*x+144*x^2)^{(1/2)}$  revogf  
A170550 27.2303  $-13/(x+1)/(12*x-1)$  lgdogf  
A170550 6.77673 [  $\{a(n+2)-12*a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A170551 13.1968  $-1/2-13/2*x+1/2*(1+30*x+169*x^2)^{(1/2)}$  revogf  
A170551 13.4950 [  $-(x+1)/(13*x-1)$  ogf]  
A170551 27.8599  $-14/(x+1)/(13*x-1)$  lgdogf  
A170551 6.92988 [  $\{a(n+2)-13*a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A170552 13.8678 [  $-(x+1)/(14*x-1)$  ogf]  
A170552 14.7327  $-1/2-7*x+1/2*(1+32*x+196*x^2)^{(1/2)}$  revogf  
A170552 28.6469  $-15/(1+x)/(14*x-1)$  lgdogf  
A170552 7.12131 [  $\{a(n+2)-14*a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A170553 13.1036  $-1/2-15/2*x+1/2*((1+9*x)*(1+25*x))^{(1/2)}$  revogf  
A170553 14.0915 [  $-(x+1)/(15*x-1)$  ogf]  
A170553 29.1191  $-16/(x+1)/(15*x-1)$  lgdogf  
A170553 7.23618 [  $\{a(n+2)-15*a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A170554 14.4643 [  $-(x+1)/(16*x-1)$  ogf]  
A170554 15.3803  $-1/2-8*x+1/2*(1+36*x+256*x^2)^{(1/2)}$  revogf  
A170554 29.9061  $-17/(x+1)/(16*x-1)$  lgdogf  
A170554 7.42761 [  $\{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A170555 14.3897  $-1/2-17/2*x+1/2*(1+38*x+289*x^2)^{(1/2)}$  revogf  
A170555 14.6879 [  $-(x+1)/(17*x-1)$  ogf]  
A170555 30.3783  $-18/(x+1)/(17*x-1)$  lgdogf  
A170555 7.54246 [  $\{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A170556 13.0604 [  $-(x+1)/(18*x-1)$  ogf]  
A170556 13.8630  $-1/2-9*x+1/2*(1+40*x+324*x^2)^{(1/2)}$  revogf  
A170556 26.9557  $-19/(x+1)/(18*x-1)$  lgdogf  
A170556 6.70668 [  $\{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A170557 12.9144  $-1/2-19/2*x+1/2*(1+42*x+361*x^2)^{(1/2)}$  revogf  
A170557 13.2063 [  $-(x+1)/(19*x-1)$  ogf]  
A170557 27.2638  $-20/(x+1)/(19*x-1)$  lgdogf  
A170557 6.78161 [  $\{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A170558 13.4252 [  $-(x+1)/(20*x-1)$  ogf]  
A170558 13.8630  $-1/2-10*x+1/2*(1+44*x+400*x^2)^{(1/2)}$  revogf  
A170558 26.2666  $-21/(1+x)/(-1+20*x)$  lgdogf  
A170558 6.89401 [  $\{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A170559 13.2063  $-1/2-21/2*x+1/2*(1+46*x+441*x^2)^{(1/2)}$  revogf  
A170559 13.4981 [  $-(x+1)/(21*x-1)$  ogf]  
A170559 27.8799  $-22/(1+x)/(21*x-1)$  lgdogf  
A170559 6.93147 [  $\{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A170560 13.8629 [  $-(x+1)/(22*x-1)$  ogf]

A170560 14.3250  $-1/2-11*x+1/2*(1+48*x+484*x^2)^{(1/2)}$  revogf  
A170560 28.6501  $-23/(x+1)/(22*x-1)$  lgdogf  
A170560 7.11881  $[{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23}, ogf]$   
A170561 13.6441  $-23/2*x-1/2+1/2*(529*x^2+50*x+1)^{(1/2)}$  revogf  
A170561 13.9359  $[ -(x+1)/(23*x-1) ogf]$   
A170561 28.8041  $-24/(x+1)/(23*x-1)$  lgdogf  
A170561 7.15628  $[{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24}, ogf]$   
A170562 13.4364  $-12*x-1/2+1/2*((1+16*x)*(1+36*x))^{(1/2)}$  revogf  
A170562 14.0818  $[ -(x+1)/(24*x-1) ogf]$   
A170562 29.1122  $-25/(x+1)/(24*x-1)$  lgdogf  
A170562 7.23122  $[{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25}, ogf]$   
A170563 13.9359  $-1/2-25/2*x+1/2*(1+54*x+625*x^2)^{(1/2)}$  revogf  
A170563 14.2278  $[ -(x+1)/(25*x-1) ogf]$   
A170563 29.4203  $-26/(x+1)/(25*x-1)$  lgdogf  
A170563 7.30615  $[{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26}, ogf]$   
A170564 14.3737  $[ -(x+1)/(26*x-1) ogf]$   
A170564 14.8642  $-13*x-1/2+1/2*(676*x^2+56*x+1)^{(1/2)}$  revogf  
A170564 29.7283  $-27/(x+1)/(26*x-1)$  lgdogf  
A170564 7.38108  $[{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27}, ogf]$   
A170565 14.3007  $-27/2*x-1/2+1/2*(729*x^2+58*x+1)^{(1/2)}$  revogf  
A170565 14.5926  $[ -(x+1)/(27*x-1) ogf]$   
A170565 30.1904  $-28/(x+1)/(27*x-1)$  lgdogf  
A170565 7.49349  $[{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28}, ogf]$   
A170566 14.6656  $[ -(x+1)/(28*x-1) ogf]$   
A170566 15.1722  $-14*x-1/2+1/2*(784*x^2+60*x+1)^{(1/2)}$  revogf  
A170566 30.3445  $-29/(x+1)/(28*x-1)$  lgdogf  
A170566 7.53096  $[{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29}, ogf]$   
A170567 14.5196  $-29/2*x-1/2+1/2*(841*x^2+62*x+1)^{(1/2)}$  revogf  
A170567 14.8115  $[ -(x+1)/(29*x-1) ogf]$   
A170567 30.6525  $-30/(x+1)/(29*x-1)$  lgdogf  
A170567 7.60589  $[{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30}, ogf]$   
A170568 14.8844  $[ -(x+1)/(30*x-1) ogf]$   
A170568 15.4033  $-15*x-1/2+1/2*(900*x^2+64*x+1)^{(1/2)}$  revogf  
A170568 30.8066  $-31/(x+1)/(30*x-1)$  lgdogf  
A170568 7.64335  $[{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31}, ogf]$   
A170569 14.5926  $-31/2*x-1/2+1/2*(961*x^2+66*x+1)^{(1/2)}$  revogf  
A170569 14.8844  $[ -(x+1)/(31*x-1) ogf]$   
A170569 30.8066  $-32/(x+1)/(31*x-1)$  lgdogf  
A170569 7.64335  $[{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32}, ogf]$   
A170570 15.3952  $[ -(x+1)/(32*x-1) ogf]$   
A170570 15.5115  $-1/2-16*x+1/2*(1+68*x+1024*x^2)^{(1/2)}$  revogf  
A170570 31.8848  $-33/(x+1)/(32*x-1)$  lgdogf  
A170570 7.90562  $[{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33}, ogf]$   
A170571 14.7161  $-1/2-33/2*x+1/2*(1+70*x+1089*x^2)^{(1/2)}$  revogf  
A170571 15.3952  $[ -(x+1)/(33*x-1) ogf]$   
A170571 31.8848  $-34/(x+1)/(33*x-1)$  lgdogf  
A170571 7.90562  $[{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34}, ogf]$   
A170572 15.3952  $[ -(x+1)/(34*x-1) ogf]$   
A170572 15.5115  $-1/2-17*x+1/2*(1+72*x+1156*x^2)^{(1/2)}$  revogf  
A170572 31.8848  $-35/(x+1)/(34*x-1)$  lgdogf  
A170572 7.90562  $[{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35}, ogf]$   
A170573 14.1334  $-35/2*x-1/2+1/2*((1+25*x)*(1+49*x))^{(1/2)}$  revogf  
A170573 15.5411  $[ -(x+1)/(35*x-1) ogf]$   
A170573 32.1929  $-36/(x+1)/(35*x-1)$  lgdogf  
A170573 7.98057  $[{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36}, ogf]$   
A170574 13.5403  $[ -(x+1)/(36*x-1) ogf]$   
A170574 13.6134  $-1/2-18*x+1/2*(1+76*x+1296*x^2)^{(1/2)}$  revogf  
A170574 27.9832  $-37/(x+1)/(36*x-1)$  lgdogf  
A170574 6.95311  $[{a(n+2)-36*a(n+1), a(0) = 1, a(1) = 37}, ogf]$   
A170575 12.9153  $-1/2-37/2*x+1/2*(1+78*x+1369*x^2)^{(1/2)}$  revogf  
A170575 13.5403  $[ -(x+1)/(37*x-1) ogf]$

A170575 27.9832  $-38/(x+1)/(37*x-1)$  lgdogf  
A170575 6.95311  $[{a(n+2)-37*a(n+1), a(0) = 1, a(1) = 38}], ogf]$   
A170576 13.6828  $[ -(x+1)/(38*x-1)$  ogf]  
A170576 13.7598  $-1/2-19*x+1/2*(1+80*x+1444*x^2)^{(1/2)}$  revogf  
A170576 28.2841  $-39/(x+1)/(38*x-1)$  lgdogf  
A170576 7.02630  $[{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39}], ogf]$   
A170577 13.1236  $-39/2*x-1/2+1/2*(1521*x^2+82*x+1)^{(1/2)}$  revogf  
A170577 13.7541  $[ -(x+1)/(39*x-1)$  ogf]  
A170577 28.4345  $-40/(x+1)/(39*x-1)$  lgdogf  
A170577 7.06289  $[{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40}], ogf]$   
A170578 13.8966  $[ -(x+1)/(40*x-1)$  ogf]  
A170578 13.9794  $-20*x-1/2+1/2*(1600*x^2+84*x+1)^{(1/2)}$  revogf  
A170578 28.7354  $-41/(x+1)/(40*x-1)$  lgdogf  
A170578 7.13608  $[{a(n+2)-40*a(n+1), a(0) = 1, a(1) = 41}], ogf]$   
A170579 13.2625  $-1/2-41/2*x+1/2*(1+86*x+1681*x^2)^{(1/2)}$  revogf  
A170579 13.8966  $[ -(x+1)/(41*x-1)$  ogf]  
A170579 28.7354  $-42/(x+1)/(41*x-1)$  lgdogf  
A170579 7.13608  $[{a(n+2)-41*a(n+1), a(0) = 1, a(1) = 42}], ogf]$   
A170580 13.9678  $[ -(x+1)/(42*x-1)$  ogf]  
A170580 14.0526  $-1/2-21*x+1/2*(1+88*x+1764*x^2)^{(1/2)}$  revogf  
A170580 28.8859  $-43/(x+1)/(42*x-1)$  lgdogf  
A170580 7.17268  $[{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43}], ogf]$   
A170581 13.4014  $-1/2-43/2*x+1/2*(1+90*x+1849*x^2)^{(1/2)}$  revogf  
A170581 14.0391  $[ -(x+1)/(43*x-1)$  ogf]  
A170581 29.0363  $-44/(x+1)/(43*x-1)$  lgdogf  
A170581 7.20927  $[{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44}], ogf]$   
A170582 14.1816  $[ -(x+1)/(44*x-1)$  ogf]  
A170582 14.2722  $-1/2-22*x+1/2*(1+92*x+1936*x^2)^{(1/2)}$  revogf  
A170582 29.3372  $-45/(x+1)/(44*x-1)$  lgdogf  
A170582 7.28246  $[{a(n+2)-44*a(n+1), a(0) = 1, a(1) = 45}], ogf]$   
A170583 13.5403  $-1/2-45/2*x+1/2*(1+94*x+2025*x^2)^{(1/2)}$  revogf  
A170583 14.1816  $[ -(x+1)/(45*x-1)$  ogf]  
A170583 29.3372  $-46/(x+1)/(45*x-1)$  lgdogf  
A170583 7.28246  $[{a(n+2)-45*a(n+1), a(0) = 1, a(1) = 46}], ogf]$   
A170584 14.1816  $[ -(x+1)/(46*x-1)$  ogf]  
A170584 14.2722  $-1/2-23*x+1/2*(1+96*x+2116*x^2)^{(1/2)}$  revogf  
A170584 29.3372  $-47/(x+1)/(46*x-1)$  lgdogf  
A170584 7.28246  $[{a(n+2)-46*a(n+1), a(0) = 1, a(1) = 47}], ogf]$   
A170585 13.8180  $-47/2*x-1/2+1/2*(2209*x^2+98*x+1)^{(1/2)}$  revogf  
A170585 14.4667  $[ -(x+1)/(47*x-1)$  ogf]  
A170585 29.9390  $-48/(x+1)/(47*x-1)$  lgdogf  
A170585 7.42884  $[{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48}], ogf]$   
A170586 13.8180  $-1/2-24*x+1/2*((1+36*x)*(64*x+1))^{(1/2)}$  revogf  
A170586 14.4667  $[ -(x+1)/(48*x-1)$  ogf]  
A170586 29.9390  $-49/(x+1)/(48*x-1)$  lgdogf  
A170586 7.42884  $[{a(n+2)-48*a(n+1), a(0) = 1, a(1) = 49}], ogf]$   
A170587 13.4725  $-1/2-49/2*x+1/2*(1+102*x+2401*x^2)^{(1/2)}$  revogf  
A170587 14.4667  $[ -(x+1)/(49*x-1)$  ogf]  
A170587 29.9390  $-50/(x+1)/(49*x-1)$  lgdogf  
A170587 7.42884  $[{a(n+2)-49*a(n+1), a(0) = 1, a(1) = 50}], ogf]$   
A170588 19.2957  $[ -(x+1)/(2*x-1)$  ogf]  
A170588 23.3360  $-x-1/2+1/2*(4*x^2+8*x+1)^{(1/2)}$  revogf  
A170588 43.7550  $-3/(2*x-1)/(x+1)$  lgdogf  
A170588 9.91586  $[{a(n+2)-2*a(n+1), a(0) = 1, a(1) = 3}], ogf]$   
A170589 17.6994  $[ -(x+1)/(3*x-1)$  ogf]  
A170589 17.8290  $-3/2*x-1/2+1/2*((x+1)*(1+9*x))^{(1/2)}$  revogf  
A170589 37.7556  $-4/(-1+3*x)/(x+1)$  lgdogf  
A170589 9.09553  $[{a(n+2)-3*a(n+1), a(0) = 1, a(1) = 4}], ogf]$   
A170590 17.7799  $[ -(x+1)/(4*x-1)$  ogf]  
A170590 18.9748  $-2*x-1/2+1/2*(16*x^2+12*x+1)^{(1/2)}$  revogf  
A170590 40.3215  $-5/(x+1)/(4*x-1)$  lgdogf

A170590 9.13689 [ $\{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 5\}$ , ogf]  
A170591 16.6248 [ $-(x+1)/(5*x-1)$  ogf]  
A170591 16.7431  $-1/2-5/2*x+1/2*(1+14*x+25*x^2)^{(1/2)}$  revogf  
A170591 37.6720  $-6/(x+1)/(5*x-1)$  lgdogf  
A170591 8.54329 [ $\{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A170592 16.3746 [ $-(x+1)/(-1+6*x)$  ogf]  
A170592 17.4612  $-3*x-1/2+1/2*(36*x^2+16*x+1)^{(1/2)}$  revogf  
A170592 37.1051  $-7/(x+1)/(6*x-1)$  lgdogf  
A170592 8.41471 [ $\{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A170593 15.7883 [ $-(x+1)/(7*x-1)$  ogf]  
A170593 15.8940  $-1/2-7/2*x+1/2*(1+18*x+49*x^2)^{(1/2)}$  revogf  
A170593 35.7615  $-8/(x+1)/(7*x-1)$  lgdogf  
A170593 8.11343 [ $\{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A170594 16.2741  $-4*x-1/2+1/2*((4*x+1)*(1+16*x))^{(1/2)}$  revogf  
A170594 16.5980 [ $-(x+1)/(8*x-1)$  ogf]  
A170594 37.6339  $-9/(x+1)/(8*x-1)$  lgdogf  
A170594 8.52951 [ $\{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A170595 15.5180 [ $-(x+1)/(9*x-1)$  ogf]  
A170595 15.6219  $-1/2-9/2*x+1/2*(1+22*x+81*x^2)^{(1/2)}$  revogf  
A170595 33.0816  $-10/(x+1)/(9*x-1)$  lgdogf  
A170595 7.86529 [ $\{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A170596 14.6040 [ $-(x+1)/(10*x-1)$  ogf]  
A170596 15.5254  $-5*x-1/2+1/2*(100*x^2+24*x+1)^{(1/2)}$  revogf  
A170596 30.1883  $-11/(x+1)/(10*x-1)$  lgdogf  
A170596 7.49934 [ $\{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A170597 14.2997  $-1/2-11/2*x+1/2*(1+26*x+121*x^2)^{(1/2)}$  revogf  
A170597 14.6040 [ $-(x+1)/(11*x-1)$  ogf]  
A170597 30.1883  $-12/(x+1)/(11*x-1)$  lgdogf  
A170597 7.49934 [ $\{a(n+2)-11*a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A170598 13.1968 [ $-(x+1)/(12*x-1)$  ogf]  
A170598 14.0042  $-1/2-6*x+1/2*(1+28*x+144*x^2)^{(1/2)}$  revogf  
A170598 27.2303  $-13/(x+1)/(12*x-1)$  lgdogf  
A170598 6.77673 [ $\{a(n+2)-12*a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A170599 13.1968  $-1/2-13/2*x+1/2*(1+30*x+169*x^2)^{(1/2)}$  revogf  
A170599 13.4950 [ $-(x+1)/(13*x-1)$  ogf]  
A170599 27.8599  $-14/(x+1)/(13*x-1)$  lgdogf  
A170599 6.92988 [ $\{a(n+2)-13*a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A170600 13.8678 [ $-(x+1)/(14*x-1)$  ogf]  
A170600 14.7327  $-1/2-7*x+1/2*(1+32*x+196*x^2)^{(1/2)}$  revogf  
A170600 28.6469  $-15/(1+x)/(14*x-1)$  lgdogf  
A170600 7.12131 [ $\{a(n+2)-14*a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A170601 13.1036  $-1/2-15/2*x+1/2*((1+9*x)*(1+25*x))^{(1/2)}$  revogf  
A170601 14.0915 [ $-(x+1)/(15*x-1)$  ogf]  
A170601 29.1191  $-16/(x+1)/(15*x-1)$  lgdogf  
A170601 7.23618 [ $\{a(n+2)-15*a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A170602 14.4643 [ $-(x+1)/(16*x-1)$  ogf]  
A170602 15.3803  $-1/2-8*x+1/2*(1+36*x+256*x^2)^{(1/2)}$  revogf  
A170602 29.9061  $-17/(x+1)/(16*x-1)$  lgdogf  
A170602 7.42761 [ $\{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A170603 14.3897  $-1/2-17/2*x+1/2*(1+38*x+289*x^2)^{(1/2)}$  revogf  
A170603 14.6879 [ $-(x+1)/(17*x-1)$  ogf]  
A170603 30.3783  $-18/(x+1)/(17*x-1)$  lgdogf  
A170603 7.54246 [ $\{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A170604 13.0604 [ $-(x+1)/(18*x-1)$  ogf]  
A170604 13.8630  $-1/2-9*x+1/2*(1+40*x+324*x^2)^{(1/2)}$  revogf  
A170604 26.9557  $-19/(x+1)/(18*x-1)$  lgdogf  
A170604 6.70668 [ $\{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A170605 12.9144  $-1/2-19/2*x+1/2*(1+42*x+361*x^2)^{(1/2)}$  revogf  
A170605 13.2063 [ $-(x+1)/(19*x-1)$  ogf]  
A170605 27.2638  $-20/(x+1)/(19*x-1)$  lgdogf  
A170605 6.78161 [ $\{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]

A170606 13.4252 [  $-(x+1)/(20x-1)$  ogf]  
A170606 13.8630  $-1/2-10x+1/2*(1+44x+400x^2)^{(1/2)}$  revogf  
A170606 26.2666  $-21/(1+x)/(-1+20x)$  lgdogf  
A170606 6.89401 [  $\{a(n+2)-20a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A170607 13.2063  $-1/2-21/2x+1/2*(1+46x+441x^2)^{(1/2)}$  revogf  
A170607 13.4981 [  $-(x+1)/(21x-1)$  ogf]  
A170607 27.8799  $-22/(1+x)/(21x-1)$  lgdogf  
A170607 6.93147 [  $\{a(n+2)-21a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A170608 13.8629 [  $-(x+1)/(22x-1)$  ogf]  
A170608 14.3250  $-1/2-11x+1/2*(1+48x+484x^2)^{(1/2)}$  revogf  
A170608 28.6501  $-23/(x+1)/(22x-1)$  lgdogf  
A170608 7.11881 [  $\{a(n+2)-22a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A170609 13.6441  $-23/2x-1/2+1/2*(529x^2+50x+1)^{(1/2)}$  revogf  
A170609 13.9359 [  $-(x+1)/(23x-1)$  ogf]  
A170609 28.8041  $-24/(x+1)/(23x-1)$  lgdogf  
A170609 7.15628 [  $\{a(n+2)-23a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A170610 13.4364  $-12x-1/2+1/2*((1+16x)*(1+36x))^{(1/2)}$  revogf  
A170610 14.0818 [  $-(x+1)/(24x-1)$  ogf]  
A170610 29.1122  $-25/(x+1)/(24x-1)$  lgdogf  
A170610 7.23122 [  $\{a(n+2)-24a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A170611 13.9359  $-1/2-25/2x+1/2*(1+54x+625x^2)^{(1/2)}$  revogf  
A170611 14.2278 [  $-(x+1)/(25x-1)$  ogf]  
A170611 29.4203  $-26/(x+1)/(25x-1)$  lgdogf  
A170611 7.30615 [  $\{a(n+2)-25a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A170612 14.3737 [  $-(x+1)/(26x-1)$  ogf]  
A170612 14.8642  $-13x-1/2+1/2*(676x^2+56x+1)^{(1/2)}$  revogf  
A170612 29.7283  $-27/(x+1)/(26x-1)$  lgdogf  
A170612 7.38108 [  $\{a(n+2)-26a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A170613 14.3007  $-27/2x-1/2+1/2*(729x^2+58x+1)^{(1/2)}$  revogf  
A170613 14.5926 [  $-(x+1)/(27x-1)$  ogf]  
A170613 30.1904  $-28/(x+1)/(27x-1)$  lgdogf  
A170613 7.49349 [  $\{a(n+2)-27a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A170614 14.6656 [  $-(x+1)/(28x-1)$  ogf]  
A170614 15.1722  $-14x-1/2+1/2*(784x^2+60x+1)^{(1/2)}$  revogf  
A170614 30.3445  $-29/(x+1)/(28x-1)$  lgdogf  
A170614 7.53096 [  $\{a(n+2)-28a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A170615 14.5196  $-29/2x-1/2+1/2*(841x^2+62x+1)^{(1/2)}$  revogf  
A170615 14.8115 [  $-(x+1)/(29x-1)$  ogf]  
A170615 30.6525  $-30/(x+1)/(29x-1)$  lgdogf  
A170615 7.60589 [  $\{a(n+2)-29a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A170616 14.8844 [  $-(x+1)/(30x-1)$  ogf]  
A170616 15.4033  $-15x-1/2+1/2*(900x^2+64x+1)^{(1/2)}$  revogf  
A170616 30.8066  $-31/(x+1)/(30x-1)$  lgdogf  
A170616 7.64335 [  $\{a(n+2)-30a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A170617 14.5926  $-31/2x-1/2+1/2*(961x^2+66x+1)^{(1/2)}$  revogf  
A170617 14.8844 [  $-(x+1)/(31x-1)$  ogf]  
A170617 30.8066  $-32/(x+1)/(31x-1)$  lgdogf  
A170617 7.64335 [  $\{a(n+2)-31a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A170618 15.3952 [  $-(x+1)/(32x-1)$  ogf]  
A170618 15.5115  $-1/2-16x+1/2*(1+68x+1024x^2)^{(1/2)}$  revogf  
A170618 31.8848  $-33/(x+1)/(32x-1)$  lgdogf  
A170618 7.90562 [  $\{a(n+2)-32a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A170619 14.7161  $-1/2-33/2x+1/2*(1+70x+1089x^2)^{(1/2)}$  revogf  
A170619 15.3952 [  $-(x+1)/(33x-1)$  ogf]  
A170619 31.8848  $-34/(x+1)/(33x-1)$  lgdogf  
A170619 7.90562 [  $\{a(n+2)-33a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A170620 15.3952 [  $-(x+1)/(34x-1)$  ogf]  
A170620 15.5115  $-1/2-17x+1/2*(1+72x+1156x^2)^{(1/2)}$  revogf  
A170620 31.8848  $-35/(x+1)/(34x-1)$  lgdogf  
A170620 7.90562 [  $\{a(n+2)-34a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A170621 14.1334  $-35/2x-1/2+1/2*((1+25x)*(1+49x))^{(1/2)}$  revogf

A170621 15.5411 [  $-(x+1)/(35x-1)$  ogf]  
A170621 32.1929  $-36/(x+1)/(35x-1)$  lgdogf  
A170621 7.98057 [  $\{a(n+2)-35a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A170622 13.5403 [  $-(x+1)/(36x-1)$  ogf]  
A170622 13.6134  $-1/2-18x+1/2*(1+76x+1296x^2)^{(1/2)}$  revogf  
A170622 27.9832  $-37/(x+1)/(36x-1)$  lgdogf  
A170622 6.95311 [  $\{a(n+2)-36a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A170623 12.9153  $-1/2-37/2*x+1/2*(1+78x+1369x^2)^{(1/2)}$  revogf  
A170623 13.5403 [  $-(x+1)/(37x-1)$  ogf]  
A170623 27.9832  $-38/(x+1)/(37x-1)$  lgdogf  
A170623 6.95311 [  $\{a(n+2)-37a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A170624 13.6828 [  $-(x+1)/(38x-1)$  ogf]  
A170624 13.7598  $-1/2-19x+1/2*(1+80x+1444x^2)^{(1/2)}$  revogf  
A170624 28.2841  $-39/(x+1)/(38x-1)$  lgdogf  
A170624 7.02630 [  $\{a(n+2)-38a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A170625 13.1236  $-39/2*x-1/2+1/2*(1521x^2+82x+1)^{(1/2)}$  revogf  
A170625 13.7541 [  $-(x+1)/(39x-1)$  ogf]  
A170625 28.4345  $-40/(x+1)/(39x-1)$  lgdogf  
A170625 7.06289 [  $\{a(n+2)-39a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A170626 13.8966 [  $-(x+1)/(40x-1)$  ogf]  
A170626 13.9794  $-20*x-1/2+1/2*(1600x^2+84x+1)^{(1/2)}$  revogf  
A170626 28.7354  $-41/(x+1)/(40x-1)$  lgdogf  
A170626 7.13608 [  $\{a(n+2)-40a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A170627 13.2625  $-1/2-41/2*x+1/2*(1+86x+1681x^2)^{(1/2)}$  revogf  
A170627 13.8966 [  $-(x+1)/(41x-1)$  ogf]  
A170627 28.7354  $-42/(x+1)/(41x-1)$  lgdogf  
A170627 7.13608 [  $\{a(n+2)-41a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A170628 13.9678 [  $-(x+1)/(42x-1)$  ogf]  
A170628 14.0526  $-1/2-21x+1/2*(1+88x+1764x^2)^{(1/2)}$  revogf  
A170628 28.8859  $-43/(x+1)/(42x-1)$  lgdogf  
A170628 7.17268 [  $\{a(n+2)-42a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A170629 13.4014  $-1/2-43/2*x+1/2*(1+90x+1849x^2)^{(1/2)}$  revogf  
A170629 14.0391 [  $-(x+1)/(43x-1)$  ogf]  
A170629 29.0363  $-44/(x+1)/(43x-1)$  lgdogf  
A170629 7.20927 [  $\{a(n+2)-43a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A170630 14.1816 [  $-(x+1)/(44x-1)$  ogf]  
A170630 14.2722  $-1/2-22x+1/2*(1+92x+1936x^2)^{(1/2)}$  revogf  
A170630 29.3372  $-45/(x+1)/(44x-1)$  lgdogf  
A170630 7.28246 [  $\{a(n+2)-44a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A170631 13.5403  $-1/2-45/2*x+1/2*(1+94x+2025x^2)^{(1/2)}$  revogf  
A170631 14.1816 [  $-(x+1)/(45x-1)$  ogf]  
A170631 29.3372  $-46/(x+1)/(45x-1)$  lgdogf  
A170631 7.28246 [  $\{a(n+2)-45a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]  
A170632 14.1816 [  $-(x+1)/(46x-1)$  ogf]  
A170632 14.2722  $-1/2-23x+1/2*(1+96x+2116x^2)^{(1/2)}$  revogf  
A170632 29.3372  $-47/(x+1)/(46x-1)$  lgdogf  
A170632 7.28246 [  $\{a(n+2)-46a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A170633 13.8180  $-47/2*x-1/2+1/2*(2209x^2+98x+1)^{(1/2)}$  revogf  
A170633 14.4667 [  $-(x+1)/(47x-1)$  ogf]  
A170633 29.9390  $-48/(x+1)/(47x-1)$  lgdogf  
A170633 7.42884 [  $\{a(n+2)-47a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A170634 13.8180  $-1/2-24x+1/2*((1+36x)*(64x+1))^{(1/2)}$  revogf  
A170634 14.4667 [  $-(x+1)/(48x-1)$  ogf]  
A170634 29.9390  $-49/(x+1)/(48x-1)$  lgdogf  
A170634 7.42884 [  $\{a(n+2)-48a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A170635 13.4725  $-1/2-49/2*x+1/2*(1+102x+2401x^2)^{(1/2)}$  revogf  
A170635 14.4667 [  $-(x+1)/(49x-1)$  ogf]  
A170635 29.9390  $-50/(x+1)/(49x-1)$  lgdogf  
A170635 7.42884 [  $\{a(n+2)-49a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A170636 19.2957 [  $-(x+1)/(2x-1)$  ogf]  
A170636 23.3360  $-x-1/2+1/2*(4x^2+8x+1)^{(1/2)}$  revogf

A170636 43.7550  $-3/(2*x-1)/(x+1)$  lgdogf  
A170636 9.91586  $[ \{a(n+2)-2*a(n+1), a(0) = 1, a(1) = 3\}, ogf ]$   
A170637 17.6994  $[ -(x+1)/(3*x-1) ogf ]$   
A170637 17.8290  $-3/2*x-1/2+1/2*(x+1)*(1+9*x)^(1/2)$  revogf  
A170637 37.7556  $-4/(-1+3*x)/(x+1)$  lgdogf  
A170637 9.09553  $[ \{a(n+2)-3*a(n+1), a(0) = 1, a(1) = 4\}, ogf ]$   
A170638 17.7799  $[ -(x+1)/(4*x-1) ogf ]$   
A170638 18.9748  $-2*x-1/2+1/2*(16*x^2+12*x+1)^(1/2)$  revogf  
A170638 40.3215  $-5/(x+1)/(4*x-1)$  lgdogf  
A170638 9.13689  $[ \{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 5\}, ogf ]$   
A170639 16.6248  $[ -(x+1)/(5*x-1) ogf ]$   
A170639 16.7431  $-1/2-5/2*x+1/2*(1+14*x+25*x^2)^(1/2)$  revogf  
A170639 37.6720  $-6/(x+1)/(5*x-1)$  lgdogf  
A170639 8.54329  $[ \{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 6\}, ogf ]$   
A170640 16.3746  $[ -(x+1)/(-1+6*x) ogf ]$   
A170640 17.4612  $-3*x-1/2+1/2*(36*x^2+16*x+1)^(1/2)$  revogf  
A170640 37.1051  $-7/(x+1)/(6*x-1)$  lgdogf  
A170640 8.41471  $[ \{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 7\}, ogf ]$   
A170641 15.7883  $[ -(x+1)/(7*x-1) ogf ]$   
A170641 15.8940  $-1/2-7/2*x+1/2*(1+18*x+49*x^2)^(1/2)$  revogf  
A170641 35.7615  $-8/(x+1)/(7*x-1)$  lgdogf  
A170641 8.11343  $[ \{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 8\}, ogf ]$   
A170642 16.2741  $-4*x-1/2+1/2*((4*x+1)*(1+16*x))^(1/2)$  revogf  
A170642 16.5980  $[ -(x+1)/(8*x-1) ogf ]$   
A170642 37.6339  $-9/(x+1)/(8*x-1)$  lgdogf  
A170642 8.52951  $[ \{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9\}, ogf ]$   
A170643 15.5180  $[ -(x+1)/(9*x-1) ogf ]$   
A170643 15.6219  $-1/2-9/2*x+1/2*(1+22*x+81*x^2)^(1/2)$  revogf  
A170643 33.0816  $-10/(x+1)/(9*x-1)$  lgdogf  
A170643 7.86529  $[ \{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 10\}, ogf ]$   
A170644 14.6040  $[ -(x+1)/(10*x-1) ogf ]$   
A170644 15.5254  $-5*x-1/2+1/2*(100*x^2+24*x+1)^(1/2)$  revogf  
A170644 30.1883  $-11/(x+1)/(10*x-1)$  lgdogf  
A170644 7.49934  $[ \{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 11\}, ogf ]$   
A170645 14.2997  $-1/2-11/2*x+1/2*(1+26*x+121*x^2)^(1/2)$  revogf  
A170645 14.6040  $[ -(x+1)/(11*x-1) ogf ]$   
A170645 30.1883  $-12/(x+1)/(11*x-1)$  lgdogf  
A170645 7.49934  $[ \{a(n+2)-11*a(n+1), a(0) = 1, a(1) = 12\}, ogf ]$   
A170646 13.1968  $[ -(x+1)/(12*x-1) ogf ]$   
A170646 14.0042  $-1/2-6*x+1/2*(1+28*x+144*x^2)^(1/2)$  revogf  
A170646 27.2303  $-13/(x+1)/(12*x-1)$  lgdogf  
A170646 6.77673  $[ \{a(n+2)-12*a(n+1), a(0) = 1, a(1) = 13\}, ogf ]$   
A170647 13.1968  $-1/2-13/2*x+1/2*(1+30*x+169*x^2)^(1/2)$  revogf  
A170647 13.4950  $[ -(x+1)/(13*x-1) ogf ]$   
A170647 27.8599  $-14/(x+1)/(13*x-1)$  lgdogf  
A170647 6.92988  $[ \{a(n+2)-13*a(n+1), a(0) = 1, a(1) = 14\}, ogf ]$   
A170648 13.8678  $[ -(x+1)/(14*x-1) ogf ]$   
A170648 14.7327  $-1/2-7*x+1/2*(1+32*x+196*x^2)^(1/2)$  revogf  
A170648 28.6469  $-15/(1+x)/(14*x-1)$  lgdogf  
A170648 7.12131  $[ \{a(n+2)-14*a(n+1), a(0) = 1, a(1) = 15\}, ogf ]$   
A170649 13.1036  $-1/2-15/2*x+1/2*((1+9*x)*(1+25*x))^(1/2)$  revogf  
A170649 14.0915  $[ -(x+1)/(15*x-1) ogf ]$   
A170649 29.1191  $-16/(x+1)/(15*x-1)$  lgdogf  
A170649 7.23618  $[ \{a(n+2)-15*a(n+1), a(0) = 1, a(1) = 16\}, ogf ]$   
A170650 14.4643  $[ -(x+1)/(16*x-1) ogf ]$   
A170650 15.3803  $-1/2-8*x+1/2*(1+36*x+256*x^2)^(1/2)$  revogf  
A170650 29.9061  $-17/(x+1)/(16*x-1)$  lgdogf  
A170650 7.42761  $[ \{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 17\}, ogf ]$   
A170651 14.3897  $-1/2-17/2*x+1/2*(1+38*x+289*x^2)^(1/2)$  revogf  
A170651 14.6879  $[ -(x+1)/(17*x-1) ogf ]$   
A170651 30.3783  $-18/(x+1)/(17*x-1)$  lgdogf



A170651 7.54246 [ $\{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A170652 13.0604 [ $-(x+1)/(18*x-1)$  ogf]  
A170652 13.8630  $-1/2-9*x+1/2*(1+40*x+324*x^2)^{(1/2)}$  revogf  
A170652 26.9557  $-19/(x+1)/(18*x-1)$  lgdogf  
A170652 6.70668 [ $\{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A170653 12.9144  $-1/2-19/2*x+1/2*(1+42*x+361*x^2)^{(1/2)}$  revogf  
A170653 13.2063 [ $-(x+1)/(19*x-1)$  ogf]  
A170653 27.2638  $-20/(x+1)/(19*x-1)$  lgdogf  
A170653 6.78161 [ $\{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A170654 13.4252 [ $-(x+1)/(20*x-1)$  ogf]  
A170654 13.8630  $-1/2-10*x+1/2*(1+44*x+400*x^2)^{(1/2)}$  revogf  
A170654 26.2666  $-21/(1+x)/(-1+20*x)$  lgdogf  
A170654 6.89401 [ $\{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A170655 13.2063  $-1/2-21/2*x+1/2*(1+46*x+441*x^2)^{(1/2)}$  revogf  
A170655 13.4981 [ $-(x+1)/(21*x-1)$  ogf]  
A170655 27.8799  $-22/(1+x)/(21*x-1)$  lgdogf  
A170655 6.93147 [ $\{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A170656 13.8629 [ $-(x+1)/(22*x-1)$  ogf]  
A170656 14.3250  $-1/2-11*x+1/2*(1+48*x+484*x^2)^{(1/2)}$  revogf  
A170656 28.6501  $-23/(x+1)/(22*x-1)$  lgdogf  
A170656 7.11881 [ $\{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A170657 13.6441  $-23/2*x-1/2+1/2*(529*x^2+50*x+1)^{(1/2)}$  revogf  
A170657 13.9359 [ $-(x+1)/(23*x-1)$  ogf]  
A170657 28.8041  $-24/(x+1)/(23*x-1)$  lgdogf  
A170657 7.15628 [ $\{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A170658 13.4364  $-12*x-1/2+1/2*((1+16*x)*(1+36*x))^{(1/2)}$  revogf  
A170658 14.0818 [ $-(x+1)/(24*x-1)$  ogf]  
A170658 29.1122  $-25/(x+1)/(24*x-1)$  lgdogf  
A170658 7.23122 [ $\{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A170659 13.9359  $-1/2-25/2*x+1/2*(1+54*x+625*x^2)^{(1/2)}$  revogf  
A170659 14.2278 [ $-(x+1)/(25*x-1)$  ogf]  
A170659 29.4203  $-26/(x+1)/(25*x-1)$  lgdogf  
A170659 7.30615 [ $\{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A170660 14.3737 [ $-(x+1)/(26*x-1)$  ogf]  
A170660 14.8642  $-13*x-1/2+1/2*(676*x^2+56*x+1)^{(1/2)}$  revogf  
A170660 29.7283  $-27/(x+1)/(26*x-1)$  lgdogf  
A170660 7.38108 [ $\{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A170661 14.3007  $-27/2*x-1/2+1/2*(729*x^2+58*x+1)^{(1/2)}$  revogf  
A170661 14.5926 [ $-(x+1)/(27*x-1)$  ogf]  
A170661 30.1904  $-28/(x+1)/(27*x-1)$  lgdogf  
A170661 7.49349 [ $\{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A170662 14.6656 [ $-(x+1)/(28*x-1)$  ogf]  
A170662 15.1722  $-14*x-1/2+1/2*(784*x^2+60*x+1)^{(1/2)}$  revogf  
A170662 30.3445  $-29/(x+1)/(28*x-1)$  lgdogf  
A170662 7.53096 [ $\{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A170663 14.5196  $-29/2*x-1/2+1/2*(841*x^2+62*x+1)^{(1/2)}$  revogf  
A170663 14.8115 [ $-(x+1)/(29*x-1)$  ogf]  
A170663 30.6525  $-30/(x+1)/(29*x-1)$  lgdogf  
A170663 7.60589 [ $\{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A170664 14.8844 [ $-(x+1)/(30*x-1)$  ogf]  
A170664 15.4033  $-15*x-1/2+1/2*(900*x^2+64*x+1)^{(1/2)}$  revogf  
A170664 30.8066  $-31/(x+1)/(30*x-1)$  lgdogf  
A170664 7.64335 [ $\{a(n+2)-30*a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A170665 14.5926  $-31/2*x-1/2+1/2*(961*x^2+66*x+1)^{(1/2)}$  revogf  
A170665 14.8844 [ $-(x+1)/(31*x-1)$  ogf]  
A170665 30.8066  $-32/(x+1)/(31*x-1)$  lgdogf  
A170665 7.64335 [ $\{a(n+2)-31*a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A170666 15.3952 [ $-(x+1)/(32*x-1)$  ogf]  
A170666 15.5115  $-1/2-16*x+1/2*(1+68*x+1024*x^2)^{(1/2)}$  revogf  
A170666 31.8848  $-33/(x+1)/(32*x-1)$  lgdogf  
A170666 7.90562 [ $\{a(n+2)-32*a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]

A170667 14.7161  $-1/2-33/2*x+1/2*(1+70*x+1089*x^2)^{(1/2)}$  revogf  
A170667 15.3952  $[-(x+1)/(33*x-1)$  ogf]  
A170667 31.8848  $-34/(x+1)/(33*x-1)$  lgdogf  
A170667 7.90562  $[{a(n+2)-33*a(n+1), a(0) = 1, a(1) = 34},$  ogf]  
A170668 15.3952  $[-(x+1)/(34*x-1)$  ogf]  
A170668 15.5115  $-1/2-17*x+1/2*(1+72*x+1156*x^2)^{(1/2)}$  revogf  
A170668 31.8848  $-35/(x+1)/(34*x-1)$  lgdogf  
A170668 7.90562  $[{a(n+2)-34*a(n+1), a(0) = 1, a(1) = 35},$  ogf]  
A170669 14.1334  $-35/2*x-1/2+1/2*((1+25*x)*(1+49*x))^{(1/2)}$  revogf  
A170669 15.5411  $[-(x+1)/(35*x-1)$  ogf]  
A170669 32.1929  $-36/(x+1)/(35*x-1)$  lgdogf  
A170669 7.98057  $[{a(n+2)-35*a(n+1), a(0) = 1, a(1) = 36},$  ogf]  
A170670 13.5403  $[-(x+1)/(36*x-1)$  ogf]  
A170670 13.6134  $-1/2-18*x+1/2*(1+76*x+1296*x^2)^{(1/2)}$  revogf  
A170670 27.9832  $-37/(x+1)/(36*x-1)$  lgdogf  
A170670 6.95311  $[{a(n+2)-36*a(n+1), a(0) = 1, a(1) = 37},$  ogf]  
A170671 12.9153  $-1/2-37/2*x+1/2*(1+78*x+1369*x^2)^{(1/2)}$  revogf  
A170671 13.5403  $[-(x+1)/(37*x-1)$  ogf]  
A170671 27.9832  $-38/(x+1)/(37*x-1)$  lgdogf  
A170671 6.95311  $[{a(n+2)-37*a(n+1), a(0) = 1, a(1) = 38},$  ogf]  
A170672 13.6828  $[-(x+1)/(38*x-1)$  ogf]  
A170672 13.7598  $-1/2-19*x+1/2*(1+80*x+1444*x^2)^{(1/2)}$  revogf  
A170672 28.2841  $-39/(x+1)/(38*x-1)$  lgdogf  
A170672 7.02630  $[{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39},$  ogf]  
A170673 13.1236  $-39/2*x-1/2+1/2*(1521*x^2+82*x+1)^{(1/2)}$  revogf  
A170673 13.7541  $[-(x+1)/(39*x-1)$  ogf]  
A170673 28.4345  $-40/(x+1)/(39*x-1)$  lgdogf  
A170673 7.06289  $[{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40},$  ogf]  
A170674 13.8966  $[-(x+1)/(40*x-1)$  ogf]  
A170674 13.9794  $-20*x-1/2+1/2*(1600*x^2+84*x+1)^{(1/2)}$  revogf  
A170674 28.7354  $-41/(x+1)/(40*x-1)$  lgdogf  
A170674 7.13608  $[{a(n+2)-40*a(n+1), a(0) = 1, a(1) = 41},$  ogf]  
A170675 13.2625  $-1/2-41/2*x+1/2*(1+86*x+1681*x^2)^{(1/2)}$  revogf  
A170675 13.8966  $[-(x+1)/(41*x-1)$  ogf]  
A170675 28.7354  $-42/(x+1)/(41*x-1)$  lgdogf  
A170675 7.13608  $[{a(n+2)-41*a(n+1), a(0) = 1, a(1) = 42},$  ogf]  
A170676 13.9678  $[-(x+1)/(42*x-1)$  ogf]  
A170676 14.0526  $-1/2-21*x+1/2*(1+88*x+1764*x^2)^{(1/2)}$  revogf  
A170676 28.8859  $-43/(x+1)/(42*x-1)$  lgdogf  
A170676 7.17268  $[{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43},$  ogf]  
A170677 13.4014  $-1/2-43/2*x+1/2*(1+90*x+1849*x^2)^{(1/2)}$  revogf  
A170677 14.0391  $[-(x+1)/(43*x-1)$  ogf]  
A170677 29.0363  $-44/(x+1)/(43*x-1)$  lgdogf  
A170677 7.20927  $[{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44},$  ogf]  
A170678 14.1816  $[-(x+1)/(44*x-1)$  ogf]  
A170678 14.2722  $-1/2-22*x+1/2*(1+92*x+1936*x^2)^{(1/2)}$  revogf  
A170678 29.3372  $-45/(x+1)/(44*x-1)$  lgdogf  
A170678 7.28246  $[{a(n+2)-44*a(n+1), a(0) = 1, a(1) = 45},$  ogf]  
A170679 13.5403  $-1/2-45/2*x+1/2*(1+94*x+2025*x^2)^{(1/2)}$  revogf  
A170679 14.1816  $[-(x+1)/(45*x-1)$  ogf]  
A170679 29.3372  $-46/(x+1)/(45*x-1)$  lgdogf  
A170679 7.28246  $[{a(n+2)-45*a(n+1), a(0) = 1, a(1) = 46},$  ogf]  
A170680 14.1816  $[-(x+1)/(46*x-1)$  ogf]  
A170680 14.2722  $-1/2-23*x+1/2*(1+96*x+2116*x^2)^{(1/2)}$  revogf  
A170680 29.3372  $-47/(x+1)/(46*x-1)$  lgdogf  
A170680 7.28246  $[{a(n+2)-46*a(n+1), a(0) = 1, a(1) = 47},$  ogf]  
A170681 13.8180  $-47/2*x-1/2+1/2*(2209*x^2+98*x+1)^{(1/2)}$  revogf  
A170681 14.4667  $[-(x+1)/(47*x-1)$  ogf]  
A170681 29.9390  $-48/(x+1)/(47*x-1)$  lgdogf  
A170681 7.42884  $[{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48},$  ogf]  
A170682 13.8180  $-1/2-24*x+1/2*((1+36*x)*(64*x+1))^{(1/2)}$  revogf

A170682 14.4667 [  $-(x+1)/(48x-1)$  ogf]  
A170682 29.9390  $-49/(x+1)/(48x-1)$  lgdogf  
A170682 7.42884 [  $\{a(n+2)-48a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A170683 13.4725  $-1/2-49/2*x+1/2*(1+102*x+2401*x^2)^{(1/2)}$  revogf  
A170683 14.4667 [  $-(x+1)/(49x-1)$  ogf]  
A170683 29.9390  $-50/(x+1)/(49x-1)$  lgdogf  
A170683 7.42884 [  $\{a(n+2)-49a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A170684 19.2957 [  $-(x+1)/(2*x-1)$  ogf]  
A170684 23.3360  $-x-1/2+1/2*(4*x^2+8*x+1)^{(1/2)}$  revogf  
A170684 43.7550  $-3/(2*x-1)/(x+1)$  lgdogf  
A170684 9.91586 [  $\{a(n+2)-2*a(n+1), a(0) = 1, a(1) = 3\}$ , ogf]  
A170685 17.6994 [  $-(x+1)/(3*x-1)$  ogf]  
A170685 17.8290  $-3/2*x-1/2+1/2*(x+1)*(1+9*x)^{(1/2)}$  revogf  
A170685 37.7556  $-4/(-1+3*x)/(x+1)$  lgdogf  
A170685 9.09553 [  $\{a(n+2)-3*a(n+1), a(0) = 1, a(1) = 4\}$ , ogf]  
A170686 17.7799 [  $-(x+1)/(4*x-1)$  ogf]  
A170686 18.9748  $-2*x-1/2+1/2*(16*x^2+12*x+1)^{(1/2)}$  revogf  
A170686 40.3215  $-5/(x+1)/(4*x-1)$  lgdogf  
A170686 9.13689 [  $\{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 5\}$ , ogf]  
A170687 16.6248 [  $-(x+1)/(5*x-1)$  ogf]  
A170687 16.7431  $-1/2-5/2*x+1/2*(1+14*x+25*x^2)^{(1/2)}$  revogf  
A170687 37.6720  $-6/(x+1)/(5*x-1)$  lgdogf  
A170687 8.54329 [  $\{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 6\}$ , ogf]  
A170688 16.3746 [  $-(x+1)/(-1+6*x)$  ogf]  
A170688 17.4612  $-3*x-1/2+1/2*(36*x^2+16*x+1)^{(1/2)}$  revogf  
A170688 37.1051  $-7/(x+1)/(6*x-1)$  lgdogf  
A170688 8.41471 [  $\{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A170689 15.7883 [  $-(x+1)/(7*x-1)$  ogf]  
A170689 15.8940  $-1/2-7/2*x+1/2*(1+18*x+49*x^2)^{(1/2)}$  revogf  
A170689 35.7615  $-8/(x+1)/(7*x-1)$  lgdogf  
A170689 8.11343 [  $\{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A170690 16.2741  $-4*x-1/2+1/2*((4*x+1)*(1+16*x))^{(1/2)}$  revogf  
A170690 16.5980 [  $-(x+1)/(8*x-1)$  ogf]  
A170690 37.6339  $-9/(x+1)/(8*x-1)$  lgdogf  
A170690 8.52951 [  $\{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 9\}$ , ogf]  
A170691 15.5180 [  $-(x+1)/(9*x-1)$  ogf]  
A170691 15.6219  $-1/2-9/2*x+1/2*(1+22*x+81*x^2)^{(1/2)}$  revogf  
A170691 33.0816  $-10/(x+1)/(9*x-1)$  lgdogf  
A170691 7.86529 [  $\{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 10\}$ , ogf]  
A170692 14.6040 [  $-(x+1)/(10*x-1)$  ogf]  
A170692 15.5254  $-5*x-1/2+1/2*(100*x^2+24*x+1)^{(1/2)}$  revogf  
A170692 30.1883  $-11/(x+1)/(10*x-1)$  lgdogf  
A170692 7.49934 [  $\{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 11\}$ , ogf]  
A170693 14.2997  $-1/2-11/2*x+1/2*(1+26*x+121*x^2)^{(1/2)}$  revogf  
A170693 14.6040 [  $-(x+1)/(11*x-1)$  ogf]  
A170693 30.1883  $-12/(x+1)/(11*x-1)$  lgdogf  
A170693 7.49934 [  $\{a(n+2)-11*a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A170694 13.1968 [  $-(x+1)/(12*x-1)$  ogf]  
A170694 14.0042  $-1/2-6*x+1/2*(1+28*x+144*x^2)^{(1/2)}$  revogf  
A170694 27.2303  $-13/(x+1)/(12*x-1)$  lgdogf  
A170694 6.77673 [  $\{a(n+2)-12*a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A170695 13.1968  $-1/2-13/2*x+1/2*(1+30*x+169*x^2)^{(1/2)}$  revogf  
A170695 13.4950 [  $-(x+1)/(13*x-1)$  ogf]  
A170695 27.8599  $-14/(x+1)/(13*x-1)$  lgdogf  
A170695 6.92988 [  $\{a(n+2)-13*a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A170696 13.8678 [  $-(x+1)/(14*x-1)$  ogf]  
A170696 14.7327  $-1/2-7*x+1/2*(1+32*x+196*x^2)^{(1/2)}$  revogf  
A170696 28.6469  $-15/(1+x)/(14*x-1)$  lgdogf  
A170696 7.12131 [  $\{a(n+2)-14*a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A170697 13.1036  $-1/2-15/2*x+1/2*((1+9*x)*(1+25*x))^{(1/2)}$  revogf  
A170697 14.0915 [  $-(x+1)/(15*x-1)$  ogf]

A170697 29.1191  $-16/(x+1)/(15*x-1)$  lgdogf  
A170697 7.23618  $[ \{a(n+2)-15*a(n+1), a(0) = 1, a(1) = 16\}, ogf]$   
A170698 14.4643  $[ -(x+1)/(16*x-1)$  ogf]  
A170698 15.3803  $-1/2-8*x+1/2*(1+36*x+256*x^2)^{(1/2)}$  revogf  
A170698 29.9061  $-17/(x+1)/(16*x-1)$  lgdogf  
A170698 7.42761  $[ \{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 17\}, ogf]$   
A170699 14.3897  $-1/2-17/2*x+1/2*(1+38*x+289*x^2)^{(1/2)}$  revogf  
A170699 14.6879  $[ -(x+1)/(17*x-1)$  ogf]  
A170699 30.3783  $-18/(x+1)/(17*x-1)$  lgdogf  
A170699 7.54246  $[ \{a(n+2)-17*a(n+1), a(0) = 1, a(1) = 18\}, ogf]$   
A170700 13.0604  $[ -(x+1)/(18*x-1)$  ogf]  
A170700 13.8630  $-1/2-9*x+1/2*(1+40*x+324*x^2)^{(1/2)}$  revogf  
A170700 26.9557  $-19/(x+1)/(18*x-1)$  lgdogf  
A170700 6.70668  $[ \{a(n+2)-18*a(n+1), a(0) = 1, a(1) = 19\}, ogf]$   
A170701 12.9144  $-1/2-19/2*x+1/2*(1+42*x+361*x^2)^{(1/2)}$  revogf  
A170701 13.2063  $[ -(x+1)/(19*x-1)$  ogf]  
A170701 27.2638  $-20/(x+1)/(19*x-1)$  lgdogf  
A170701 6.78161  $[ \{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 20\}, ogf]$   
A170702 13.4252  $[ -(x+1)/(20*x-1)$  ogf]  
A170702 13.8630  $-1/2-10*x+1/2*(1+44*x+400*x^2)^{(1/2)}$  revogf  
A170702 26.2666  $-21/(1+x)/(-1+20*x)$  lgdogf  
A170702 6.89401  $[ \{a(n+2)-20*a(n+1), a(0) = 1, a(1) = 21\}, ogf]$   
A170703 13.2063  $-1/2-21/2*x+1/2*(1+46*x+441*x^2)^{(1/2)}$  revogf  
A170703 13.4981  $[ -(x+1)/(21*x-1)$  ogf]  
A170703 27.8799  $-22/(1+x)/(21*x-1)$  lgdogf  
A170703 6.93147  $[ \{a(n+2)-21*a(n+1), a(0) = 1, a(1) = 22\}, ogf]$   
A170704 13.8629  $[ -(x+1)/(22*x-1)$  ogf]  
A170704 14.3250  $-1/2-11*x+1/2*(1+48*x+484*x^2)^{(1/2)}$  revogf  
A170704 28.6501  $-23/(x+1)/(22*x-1)$  lgdogf  
A170704 7.11881  $[ \{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 23\}, ogf]$   
A170705 13.6441  $-23/2*x-1/2+1/2*(529*x^2+50*x+1)^{(1/2)}$  revogf  
A170705 13.9359  $[ -(x+1)/(23*x-1)$  ogf]  
A170705 28.8041  $-24/(x+1)/(23*x-1)$  lgdogf  
A170705 7.15628  $[ \{a(n+2)-23*a(n+1), a(0) = 1, a(1) = 24\}, ogf]$   
A170706 13.4364  $-12*x-1/2+1/2*((1+16*x)*(1+36*x))^{(1/2)}$  revogf  
A170706 14.0818  $[ -(x+1)/(24*x-1)$  ogf]  
A170706 29.1122  $-25/(x+1)/(24*x-1)$  lgdogf  
A170706 7.23122  $[ \{a(n+2)-24*a(n+1), a(0) = 1, a(1) = 25\}, ogf]$   
A170707 13.9359  $-1/2-25/2*x+1/2*(1+54*x+625*x^2)^{(1/2)}$  revogf  
A170707 14.2278  $[ -(x+1)/(25*x-1)$  ogf]  
A170707 29.4203  $-26/(x+1)/(25*x-1)$  lgdogf  
A170707 7.30615  $[ \{a(n+2)-25*a(n+1), a(0) = 1, a(1) = 26\}, ogf]$   
A170708 14.3737  $[ -(x+1)/(26*x-1)$  ogf]  
A170708 14.8642  $-13*x-1/2+1/2*(676*x^2+56*x+1)^{(1/2)}$  revogf  
A170708 29.7283  $-27/(x+1)/(26*x-1)$  lgdogf  
A170708 7.38108  $[ \{a(n+2)-26*a(n+1), a(0) = 1, a(1) = 27\}, ogf]$   
A170709 14.3007  $-27/2*x-1/2+1/2*(729*x^2+58*x+1)^{(1/2)}$  revogf  
A170709 14.5926  $[ -(x+1)/(27*x-1)$  ogf]  
A170709 30.1904  $-28/(x+1)/(27*x-1)$  lgdogf  
A170709 7.49349  $[ \{a(n+2)-27*a(n+1), a(0) = 1, a(1) = 28\}, ogf]$   
A170710 14.6656  $[ -(x+1)/(28*x-1)$  ogf]  
A170710 15.1722  $-14*x-1/2+1/2*(784*x^2+60*x+1)^{(1/2)}$  revogf  
A170710 30.3445  $-29/(x+1)/(28*x-1)$  lgdogf  
A170710 7.53096  $[ \{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 29\}, ogf]$   
A170711 14.5196  $-29/2*x-1/2+1/2*(841*x^2+62*x+1)^{(1/2)}$  revogf  
A170711 14.8115  $[ -(x+1)/(29*x-1)$  ogf]  
A170711 30.6525  $-30/(x+1)/(29*x-1)$  lgdogf  
A170711 7.60589  $[ \{a(n+2)-29*a(n+1), a(0) = 1, a(1) = 30\}, ogf]$   
A170712 14.8844  $[ -(x+1)/(30*x-1)$  ogf]  
A170712 15.4033  $-15*x-1/2+1/2*(900*x^2+64*x+1)^{(1/2)}$  revogf  
A170712 30.8066  $-31/(x+1)/(30*x-1)$  lgdogf

A170712 7.64335 [ $\{a(n+2)-30a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A170713 14.5926  $-31/2*x-1/2+1/2*(961*x^2+66*x+1)^{(1/2)}$  revogf  
A170713 14.8844 [ $-(x+1)/(31*x-1)$  ogf]  
A170713 30.8066  $-32/(x+1)/(31*x-1)$  lgdogf  
A170713 7.64335 [ $\{a(n+2)-31a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A170714 15.3952 [ $-(x+1)/(32*x-1)$  ogf]  
A170714 15.5115  $-1/2-16*x+1/2*(1+68*x+1024*x^2)^{(1/2)}$  revogf  
A170714 31.8848  $-33/(x+1)/(32*x-1)$  lgdogf  
A170714 7.90562 [ $\{a(n+2)-32a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A170715 14.7161  $-1/2-33/2*x+1/2*(1+70*x+1089*x^2)^{(1/2)}$  revogf  
A170715 15.3952 [ $-(x+1)/(33*x-1)$  ogf]  
A170715 31.8848  $-34/(x+1)/(33*x-1)$  lgdogf  
A170715 7.90562 [ $\{a(n+2)-33a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A170716 15.3952 [ $-(x+1)/(34*x-1)$  ogf]  
A170716 15.5115  $-1/2-17*x+1/2*(1+72*x+1156*x^2)^{(1/2)}$  revogf  
A170716 31.8848  $-35/(x+1)/(34*x-1)$  lgdogf  
A170716 7.90562 [ $\{a(n+2)-34a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A170717 14.1334  $-35/2*x-1/2+1/2*((1+25*x)*(1+49*x))^{(1/2)}$  revogf  
A170717 15.5411 [ $-(x+1)/(35*x-1)$  ogf]  
A170717 32.1929  $-36/(x+1)/(35*x-1)$  lgdogf  
A170717 7.98057 [ $\{a(n+2)-35a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A170718 13.5403 [ $-(x+1)/(36*x-1)$  ogf]  
A170718 13.6134  $-1/2-18*x+1/2*(1+76*x+1296*x^2)^{(1/2)}$  revogf  
A170718 27.9832  $-37/(x+1)/(36*x-1)$  lgdogf  
A170718 6.95311 [ $\{a(n+2)-36a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A170719 12.9153  $-1/2-37/2*x+1/2*(1+78*x+1369*x^2)^{(1/2)}$  revogf  
A170719 13.5403 [ $-(x+1)/(37*x-1)$  ogf]  
A170719 27.9832  $-38/(x+1)/(37*x-1)$  lgdogf  
A170719 6.95311 [ $\{a(n+2)-37a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A170720 13.6828 [ $-(x+1)/(38*x-1)$  ogf]  
A170720 13.7598  $-1/2-19*x+1/2*(1+80*x+1444*x^2)^{(1/2)}$  revogf  
A170720 28.2841  $-39/(x+1)/(38*x-1)$  lgdogf  
A170720 7.02630 [ $\{a(n+2)-38a(n+1), a(0) = 1, a(1) = 39\}$ , ogf]  
A170721 13.1236  $-39/2*x-1/2+1/2*(1521*x^2+82*x+1)^{(1/2)}$  revogf  
A170721 13.7541 [ $-(x+1)/(39*x-1)$  ogf]  
A170721 28.4345  $-40/(x+1)/(39*x-1)$  lgdogf  
A170721 7.06289 [ $\{a(n+2)-39a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A170722 13.8966 [ $-(x+1)/(40*x-1)$  ogf]  
A170722 13.9794  $-20*x-1/2+1/2*(1600*x^2+84*x+1)^{(1/2)}$  revogf  
A170722 28.7354  $-41/(x+1)/(40*x-1)$  lgdogf  
A170722 7.13608 [ $\{a(n+2)-40a(n+1), a(0) = 1, a(1) = 41\}$ , ogf]  
A170723 13.2625  $-1/2-41/2*x+1/2*(1+86*x+1681*x^2)^{(1/2)}$  revogf  
A170723 13.8966 [ $-(x+1)/(41*x-1)$  ogf]  
A170723 28.7354  $-42/(x+1)/(41*x-1)$  lgdogf  
A170723 7.13608 [ $\{a(n+2)-41a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A170724 13.9678 [ $-(x+1)/(42*x-1)$  ogf]  
A170724 14.0526  $-1/2-21*x+1/2*(1+88*x+1764*x^2)^{(1/2)}$  revogf  
A170724 28.8859  $-43/(x+1)/(42*x-1)$  lgdogf  
A170724 7.17268 [ $\{a(n+2)-42a(n+1), a(0) = 1, a(1) = 43\}$ , ogf]  
A170725 13.4014  $-1/2-43/2*x+1/2*(1+90*x+1849*x^2)^{(1/2)}$  revogf  
A170725 14.0391 [ $-(x+1)/(43*x-1)$  ogf]  
A170725 29.0363  $-44/(x+1)/(43*x-1)$  lgdogf  
A170725 7.20927 [ $\{a(n+2)-43a(n+1), a(0) = 1, a(1) = 44\}$ , ogf]  
A170726 14.1816 [ $-(x+1)/(44*x-1)$  ogf]  
A170726 14.2722  $-1/2-22*x+1/2*(1+92*x+1936*x^2)^{(1/2)}$  revogf  
A170726 29.3372  $-45/(x+1)/(44*x-1)$  lgdogf  
A170726 7.28246 [ $\{a(n+2)-44a(n+1), a(0) = 1, a(1) = 45\}$ , ogf]  
A170727 13.5403  $-1/2-45/2*x+1/2*(1+94*x+2025*x^2)^{(1/2)}$  revogf  
A170727 14.1816 [ $-(x+1)/(45*x-1)$  ogf]  
A170727 29.3372  $-46/(x+1)/(45*x-1)$  lgdogf  
A170727 7.28246 [ $\{a(n+2)-45a(n+1), a(0) = 1, a(1) = 46\}$ , ogf]

A170728 14.1816 [  $-(x+1)/(46x-1)$  ogf]  
A170728 14.2722  $-1/2-23x+1/2*(1+96x+2116x^2)^{(1/2)}$  revogf  
A170728 29.3372  $-47/(x+1)/(46x-1)$  lgdogf  
A170728 7.28246 [  $\{a(n+2)-46a(n+1), a(0) = 1, a(1) = 47\}$ , ogf]  
A170729 13.8180  $-47/2x-1/2+1/2*(2209x^2+98x+1)^{(1/2)}$  revogf  
A170729 14.4667 [  $-(x+1)/(47x-1)$  ogf]  
A170729 29.9390  $-48/(x+1)/(47x-1)$  lgdogf  
A170729 7.42884 [  $\{a(n+2)-47a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A170730 13.8180  $-1/2-24x+1/2*((1+36x)*(64x+1))^{(1/2)}$  revogf  
A170730 14.4667 [  $-(x+1)/(48x-1)$  ogf]  
A170730 29.9390  $-49/(x+1)/(48x-1)$  lgdogf  
A170730 7.42884 [  $\{a(n+2)-48a(n+1), a(0) = 1, a(1) = 49\}$ , ogf]  
A170731 13.4725  $-1/2-49/2x+1/2*(1+102x+2401x^2)^{(1/2)}$  revogf  
A170731 14.4667 [  $-(x+1)/(49x-1)$  ogf]  
A170731 29.9390  $-50/(x+1)/(49x-1)$  lgdogf  
A170731 7.42884 [  $\{a(n+2)-49a(n+1), a(0) = 1, a(1) = 50\}$ , ogf]  
A170732 18.9204 [  $-(x+1)/(12x-1)$  ogf]  
A170732 20.1998  $-1/2-6x+1/2*(1+28x+144x^2)^{(1/2)}$  revogf  
A170732 39.2773  $-13/(x+1)/(12x-1)$  lgdogf  
A170732 9.71588 [  $\{a(n+2)-12a(n+1), a(0) = 1, a(1) = 13\}$ , ogf]  
A170733 19.0781  $-1/2-13/2x+1/2*(1+30x+169x^2)^{(1/2)}$  revogf  
A170733 19.3934 [  $-(x+1)/(13x-1)$  ogf]  
A170733 40.2759  $-14/(x+1)/(13x-1)$  lgdogf  
A170733 9.95878 [  $\{a(n+2)-13a(n+1), a(0) = 1, a(1) = 14\}$ , ogf]  
A170734 10.2017 [  $\{a(n+2)-14a(n+1), a(0) = 1, a(1) = 15\}$ , ogf]  
A170734 19.8664 [  $-(x+1)/(14x-1)$  ogf]  
A170734 21.2269  $-1/2-7x+1/2*(1+32x+196x^2)^{(1/2)}$  revogf  
A170734 41.2745  $-15/(x+1)/(14x-1)$  lgdogf  
A170735 10.4446 [  $\{a(n+2)-15a(n+1), a(0) = 1, a(1) = 16\}$ , ogf]  
A170735 19.0229  $-1/2-15/2x+1/2*((1+9x)*(1+25x))^{(1/2)}$  revogf  
A170735 20.3394 [  $-(x+1)/(15x-1)$  ogf]  
A170735 42.2731  $-16/(x+1)/(15x-1)$  lgdogf  
A170736 18.5190 [  $-(x+1)/(16x-1)$  ogf]  
A170736 19.7698  $-1/2-8x+1/2*(1+36x+256x^2)^{(1/2)}$  revogf  
A170736 38.4413  $-17/(x+1)/(16x-1)$  lgdogf  
A170736 9.50974 [  $\{a(n+2)-16a(n+1), a(0) = 1, a(1) = 17\}$ , ogf]  
A170737 18.5190  $-1/2-17/2x+1/2*(1+38x+289x^2)^{(1/2)}$  revogf  
A170737 18.8289 [  $-(x+1)/(17x-1)$  ogf]  
A170737 39.0956  $-18/(x+1)/(17x-1)$  lgdogf  
A170737 9.66891 [  $\{a(n+2)-17a(n+1), a(0) = 1, a(1) = 18\}$ , ogf]  
A170738 19.2163 [  $-(x+1)/(18x-1)$  ogf]  
A170738 20.5270  $-1/2-9x+1/2*(1+40x+324x^2)^{(1/2)}$  revogf  
A170738 39.9135  $-19/(x+1)/(18x-1)$  lgdogf  
A170738 9.86785 [  $\{a(n+2)-18a(n+1), a(0) = 1, a(1) = 19\}$ , ogf]  
A170739 19.1389  $-1/2-19/2x+1/2*(1+42x+361x^2)^{(1/2)}$  revogf  
A170739 19.4488 [  $-(x+1)/(19x-1)$  ogf]  
A170739 40.4043  $-20/(x+1)/(19x-1)$  lgdogf  
A170739 9.98722 [  $\{a(n+2)-19a(n+1), a(0) = 1, a(1) = 20\}$ , ogf]  
A170740 10.1464 [  $\{a(n+2)-20a(n+1), a(0) = 1, a(1) = 21\}$ , ogf]  
A170740 19.7587 [  $-(x+1)/(20x-1)$  ogf]  
A170740 20.5293  $-1/2-10x+1/2*(1+44x+400x^2)^{(1/2)}$  revogf  
A170740 41.0586  $-21/(x+1)/(20x-1)$  lgdogf  
A170741 10.2260 [  $\{a(n+2)-21a(n+1), a(0) = 1, a(1) = 22\}$ , ogf]  
A170741 19.6038  $-1/2-21/2x+1/2*(1+46x+441x^2)^{(1/2)}$  revogf  
A170741 19.9137 [  $-(x+1)/(21x-1)$  ogf]  
A170741 41.3857  $-22/(x+1)/(21x-1)$  lgdogf  
A170742 10.4647 [  $\{a(n+2)-22a(n+1), a(0) = 1, a(1) = 23\}$ , ogf]  
A170742 20.3786 [  $-(x+1)/(22x-1)$  ogf]  
A170742 21.1836  $-1/2-11x+1/2*(1+48x+484x^2)^{(1/2)}$  revogf  
A170742 42.3672  $-23/(x+1)/(22x-1)$  lgdogf  
A170743 17.8747  $-23/2x-1/2+1/2*(529x^2+50x+1)^{(1/2)}$  revogf

A170743 18.1789 [  $-(x+1)/(23x-1)$  ogf]  
A170743 37.7354  $-24/(x+1)/(23x-1)$  lgdogf  
A170743 9.33511 [  $\{a(n+2)-23a(n+1), a(0) = 1, a(1) = 24\}$ , ogf]  
A170744 17.6387  $-12x-1/2+1/2*((1+16x)*(1+36x))^{(1/2)}$  revogf  
A170744 18.4071 [  $-(x+1)/(24x-1)$  ogf]  
A170744 38.2171  $-25/(x+1)/(24x-1)$  lgdogf  
A170744 9.45230 [  $\{a(n+2)-24a(n+1), a(0) = 1, a(1) = 25\}$ , ogf]  
A170745 18.2550  $-1/2-25/2x+1/2*(1+54x+625x^2)^{(1/2)}$  revogf  
A170745 18.5592 [  $-(x+1)/(25x-1)$  ogf]  
A170745 38.5383  $-26/(x+1)/(25x-1)$  lgdogf  
A170745 9.53041 [  $\{a(n+2)-25a(n+1), a(0) = 1, a(1) = 26\}$ , ogf]  
A170746 18.7874 [  $-(x+1)/(26x-1)$  ogf]  
A170746 19.5100  $-13x-1/2+1/2*(676x^2+56x+1)^{(1/2)}$  revogf  
A170746 39.0200  $-27/(x+1)/(26x-1)$  lgdogf  
A170746 9.64758 [  $\{a(n+2)-26a(n+1), a(0) = 1, a(1) = 27\}$ , ogf]  
A170747 18.7113  $-27/2x-1/2+1/2*(729x^2+58x+1)^{(1/2)}$  revogf  
A170747 19.0156 [  $-(x+1)/(27x-1)$  ogf]  
A170747 39.5017  $-28/(x+1)/(27x-1)$  lgdogf  
A170747 9.76476 [  $\{a(n+2)-27a(n+1), a(0) = 1, a(1) = 28\}$ , ogf]  
A170748 16.8501 [  $-(x+1)/(28x-1)$  ogf]  
A170748 17.4715  $-14x-1/2+1/2*(784x^2+60x+1)^{(1/2)}$  revogf  
A170748 34.9429  $-29/(x+1)/(28x-1)$  lgdogf  
A170748 8.65277 [  $\{a(n+2)-28a(n+1), a(0) = 1, a(1) = 29\}$ , ogf]  
A170749 16.7010  $-29/2x-1/2+1/2*(841x^2+62x+1)^{(1/2)}$  revogf  
A170749 16.9993 [  $-(x+1)/(29x-1)$  ogf]  
A170749 35.2577  $-30/(x+1)/(29x-1)$  lgdogf  
A170749 8.72935 [  $\{a(n+2)-29a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A170750 17.0738 [  $-(x+1)/(30x-1)$  ogf]  
A170750 17.7076  $-15x-1/2+1/2*(900x^2+64x+1)^{(1/2)}$  revogf  
A170750 35.4151  $-31/(x+1)/(30x-1)$  lgdogf  
A170750 8.76764 [  $\{a(n+2)-30a(n+1), a(0) = 1, a(1) = 31\}$ , ogf]  
A170751 16.7756  $-31/2x-1/2+1/2*(961x^2+66x+1)^{(1/2)}$  revogf  
A170751 17.0738 [  $-(x+1)/(31x-1)$  ogf]  
A170751 35.4151  $-32/(x+1)/(31x-1)$  lgdogf  
A170751 8.76764 [  $\{a(n+2)-31a(n+1), a(0) = 1, a(1) = 32\}$ , ogf]  
A170752 17.6703 [  $-(x+1)/(32x-1)$  ogf]  
A170752 17.8416  $-1/2-16x+1/2*(1+68x+1024x^2)^{(1/2)}$  revogf  
A170752 36.6743  $-33/(x+1)/(32x-1)$  lgdogf  
A170752 9.07393 [  $\{a(n+2)-32a(n+1), a(0) = 1, a(1) = 33\}$ , ogf]  
A170753 16.9266  $-1/2-33/2x+1/2*(1+70x+1089x^2)^{(1/2)}$  revogf  
A170753 17.6703 [  $-(x+1)/(33x-1)$  ogf]  
A170753 36.6743  $-34/(x+1)/(33x-1)$  lgdogf  
A170753 9.07393 [  $\{a(n+2)-33a(n+1), a(0) = 1, a(1) = 34\}$ , ogf]  
A170754 17.6703 [  $-(x+1)/(34x-1)$  ogf]  
A170754 17.8416  $-1/2-17x+1/2*(1+72x+1156x^2)^{(1/2)}$  revogf  
A170754 36.6743  $-35/(x+1)/(34x-1)$  lgdogf  
A170754 9.07393 [  $\{a(n+2)-34a(n+1), a(0) = 1, a(1) = 35\}$ , ogf]  
A170755 14.1334  $-35/2x-1/2+1/2*((1+25x)*(1+49x))^{(1/2)}$  revogf  
A170755 15.5411 [  $-(x+1)/(35x-1)$  ogf]  
A170755 32.1929  $-36/(x+1)/(35x-1)$  lgdogf  
A170755 7.98057 [  $\{a(n+2)-35a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A170756 15.6870 [  $-(x+1)/(36x-1)$  ogf]  
A170756 15.8113  $-1/2-18x+1/2*(1+76x+1296x^2)^{(1/2)}$  revogf  
A170756 32.5009  $-37/(x+1)/(36x-1)$  lgdogf  
A170756 8.05550 [  $\{a(n+2)-36a(n+1), a(0) = 1, a(1) = 37\}$ , ogf]  
A170757 15.0004  $-1/2-37/2x+1/2*(1+78x+1369x^2)^{(1/2)}$  revogf  
A170757 15.6870 [  $-(x+1)/(37x-1)$  ogf]  
A170757 32.5009  $-38/(x+1)/(37x-1)$  lgdogf  
A170757 8.05550 [  $\{a(n+2)-37a(n+1), a(0) = 1, a(1) = 38\}$ , ogf]  
A170758 15.8329 [  $-(x+1)/(38x-1)$  ogf]  
A170758 15.9611  $-1/2-19x+1/2*(1+80x+1444x^2)^{(1/2)}$  revogf

A170758 32.8090  $-39/(x+1)/(38*x-1)$  lgdogf  
A170758 8.13043  $[ \{a(n+2)-38*a(n+1), a(0) = 1, a(1) = 39\}, ogf]$   
A170759 15.2137  $-39/2*x-1/2+1/2*(1521*x^2+82*x+1)^(1/2)$  revogf  
A170759 15.9059  $[ -(x+1)/(39*x-1)$  ogf]  
A170759 32.9630  $-40/(x+1)/(39*x-1)$  lgdogf  
A170759 8.16791  $[ \{a(n+2)-39*a(n+1), a(0) = 1, a(1) = 40\}, ogf]$   
A170760 16.1248  $[ -(x+1)/(40*x-1)$  ogf]  
A170760 16.2609  $-20*x-1/2+1/2*(1600*x^2+84*x+1)^(1/2)$  revogf  
A170760 33.4251  $-41/(x+1)/(40*x-1)$  lgdogf  
A170760 8.28030  $[ \{a(n+2)-40*a(n+1), a(0) = 1, a(1) = 41\}, ogf]$   
A170761 15.4270  $-1/2-41/2*x+1/2*(1+86*x+1681*x^2)^(1/2)$  revogf  
A170761 16.1248  $[ -(x+1)/(41*x-1)$  ogf]  
A170761 33.4251  $-42/(x+1)/(41*x-1)$  lgdogf  
A170761 8.28030  $[ \{a(n+2)-41*a(n+1), a(0) = 1, a(1) = 42\}, ogf]$   
A170762 16.1978  $[ -(x+1)/(42*x-1)$  ogf]  
A170762 16.3358  $-1/2-21*x+1/2*(1+88*x+1764*x^2)^(1/2)$  revogf  
A170762 33.5791  $-43/(x+1)/(42*x-1)$  lgdogf  
A170762 8.31777  $[ \{a(n+2)-42*a(n+1), a(0) = 1, a(1) = 43\}, ogf]$   
A170763 15.5692  $-1/2-43/2*x+1/2*(1+90*x+1849*x^2)^(1/2)$  revogf  
A170763 16.2707  $[ -(x+1)/(43*x-1)$  ogf]  
A170763 33.7332  $-44/(x+1)/(43*x-1)$  lgdogf  
A170763 8.35524  $[ \{a(n+2)-43*a(n+1), a(0) = 1, a(1) = 44\}, ogf]$   
A170764 16.4167  $[ -(x+1)/(44*x-1)$  ogf]  
A170764 16.5606  $-1/2-22*x+1/2*(1+92*x+1936*x^2)^(1/2)$  revogf  
A170764 34.0412  $-45/(x+1)/(44*x-1)$  lgdogf  
A170764 8.43018  $[ \{a(n+2)-44*a(n+1), a(0) = 1, a(1) = 45\}, ogf]$   
A170765 15.7113  $-1/2-45/2*x+1/2*(1+94*x+2025*x^2)^(1/2)$  revogf  
A170765 16.4167  $[ -(x+1)/(45*x-1)$  ogf]  
A170765 34.0412  $-46/(x+1)/(45*x-1)$  lgdogf  
A170765 8.43018  $[ \{a(n+2)-45*a(n+1), a(0) = 1, a(1) = 46\}, ogf]$   
A170766 16.4167  $[ -(x+1)/(46*x-1)$  ogf]  
A170766 16.5606  $-1/2-23*x+1/2*(1+96*x+2116*x^2)^(1/2)$  revogf  
A170766 34.0412  $-47/(x+1)/(46*x-1)$  lgdogf  
A170766 8.43018  $[ \{a(n+2)-46*a(n+1), a(0) = 1, a(1) = 47\}, ogf]$   
A170767 16.0668  $-47/2*x-1/2+1/2*(2209*x^2+98*x+1)^(1/2)$  revogf  
A170767 16.7815  $[ -(x+1)/(47*x-1)$  ogf]  
A170767 34.8114  $-48/(x+1)/(47*x-1)$  lgdogf  
A170767 8.61751  $[ \{a(n+2)-47*a(n+1), a(0) = 1, a(1) = 48\}, ogf]$   
A170768 16.0668  $-1/2-24*x+1/2*((1+36*x)*(64*x+1))^(1/2)$  revogf  
A170768 16.7815  $[ -(x+1)/(48*x-1)$  ogf]  
A170768 34.8114  $-49/(x+1)/(48*x-1)$  lgdogf  
A170768 8.61751  $[ \{a(n+2)-48*a(n+1), a(0) = 1, a(1) = 49\}, ogf]$   
A170769 15.6651  $-1/2-49/2*x+1/2*(1+102*x+2401*x^2)^(1/2)$  revogf  
A170769 16.7815  $[ -(x+1)/(49*x-1)$  ogf]  
A170769 34.8114  $-50/(x+1)/(49*x-1)$  lgdogf  
A170769 8.61751  $[ \{a(n+2)-49*a(n+1), a(0) = 1, a(1) = 50\}, ogf]$   
A170831 11.2321  $[ -2*(x^4+2*x^3-x-1)/(2*x^2-1)/(2*x^3-1)$  ogf]  
A170831 9.69755  $-(1+4*x+4*x^8+16*x^7+2*x^6-12*x^5-16*x^4+2*x^2)/(2*x^2-1)/(2*x^3-1)/(x^4+2*x^3-x-1)$  lgdogf  
A170832 11.3769  $[ -3*(x^4+3*x^3-x-1)/(3*x^2-1)/(3*x^3-1)$  ogf]  
A170832 9.16930  $-(1+6*x+9*x^8+3*x^6-30*x^5-36*x^4+2*x^3+54*x^7+3*x^2)/(3*x^2-1)/(3*x^3-1)/(x^4+3*x^3-x-1)$  lgdogf  
A170833 10.6760  $[ -4*(x^4+4*x^3-x-1)/(2*x+1)/(2*x-1)/(4*x^3-1)$  ogf]  
A170833 8.11046  $-(1+8*x+16*x^8+128*x^7+4*x^6-56*x^5-64*x^4+4*x^3+4*x^2)/(2*x+1)/(2*x-1)/(x^4+4*x^3-x-1)/(4*x^3-1)$  lgdogf  
A170834 10.5309  $[ -5*(x^4+5*x^3-x-1)/(5*x^2-1)/(5*x^3-1)$  ogf]  
A170834 8.34496  $-(1+10*x+25*x^8+250*x^7+5*x^6-90*x^5-100*x^4+6*x^3+5*x^2)/(5*x^2-1)/(5*x^3-1)/(x^4+5*x^3-x-1)$  lgdogf  
A170836 18.7064  $[ -x*(12*x^2+3*x+1)/(x-1)$  ogf]  
A170836 24.9311  $4*(-1-6*x+3*x^2)/(x-1)/(12*x^2+3*x+1)$  lgdogf  
A170836 9.74292  $[ \{-a(n+4)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 16\}, ogf]$



A170837 13.8960 [  $x*(12*x^2+3*x+1)/(x-1)^2$  ogf]  
A170837 26.4686  $-(5+27*x)/(x-1)/(12*x^2+3*x+1)$  lgdogf  
A170837 7.06990 [  $\{-a(n+4)+2*a(n+3)-a(n+2), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 21\}$ , ogf]  
A170881 11.6027 [  $-(x^3+x^2-2*x+1)/(x-1)/(2*x-1)^2$  ogf]  
A170881 15.1293  $-(3+8*x+6*x^3-10*x^2)/(2*x-1)/(x-1)/(x^3+x^2-2*x+1)$  lgdogf  
A170881 6.01944 [  $\{a(n+4)-5*a(n+3)+8*a(n+2)-4*a(n+1), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 21\}$ , ogf]  
A170930 14.2191  $1/6*(-3*x-21+(21+6*x+x^2)^{(1/2)}*21^{(1/2)})/x$  revogf  
A170930 16.3376 [  $-21*x/(3*x^2+3*x-1)$  ogf]  
A170930 25.4759  $-3*(1+2*x)/(3*x^2-1+3*x)$  lgdogf  
A170930 7.57106 [  $\{-a(n+2)+3*a(n+1)+3*a(n), a(0) = 0, a(1) = 21\}$ , ogf]  
A170931 13.3258 [  $2*(2*x-1)/(4*x^2+4*x-1)$  ogf]  
A170931 15.0589  $-2*(-1-4*x+4*x^2)/(2*x-1)/(4*x^2+4*x-1)$  lgdogf  
A170931 7.31295 [  $\{-a(n+2)+4*a(n+1)+4*a(n), a(0) = 2, a(1) = 4\}$ , ogf]  
A170932 4.89126 [  $\{(-n-2)*a(n+2)+(70+7*n)*a(n+1), a(0) = 1, a(1) = 63\}$ , ogf]  
A170932 42.2820  $-63/(-1+7*x)$  lgdogf  
A170933 8.75957 [  $-(5*x^3+6*x-7)/(x-1)/(x^3+x-1)$  ogf]  
A170933 8.94224  $-(8-14*x+13*x^4-20*x^3+12*x^2+5*x^6)/(x-1)/(5*x^3+6*x-7)/(x^3+x-1)$  lgdogf  
A170934 10.4849 [  $-(3*x^3-x^2+4*x-4)/(x-1)/(x^3+x-1)$  ogf]  
A170934 10.7079  $-(4-6*x+10*x^4-12*x^3+5*x^2-2*x^5+3*x^6)/(x-1)/(3*x^3-x^2+4*x-4)/(x^3+x-1)$  lgdogf  
A170935 12.8034 [  $1/(x^3-x^2-1)/(x^3+2*x^2+x-1)$  ogf]  
A170935 13.4117  $-(-1-2*x+5*x^4-4*x^3-9*x^2+6*x^5)/(x^3-x^2-1)/(x^3+2*x^2+x-1)$  lgdogf  
A170938 10.9845  $-(4-34*x+111*x^2-160*x^3+88*x^4)/(x-1)/(2*x-1)/(4*x-1)/(11*x^2-10*x+2)$  lgdogf  
A170938 12.2179 [  $-2*(11*x^2-10*x+2)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A170938 6.85916 [  $\{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = 4, a(1) = 8, a(2) = 22\}$ , ogf]  
A170939 11.6008  $-(2-14*x+45*x^2-80*x^3+56*x^4)/(x-1)/(2*x-1)/(4*x-1)/(7*x^2-5*x+1)$  lgdogf  
A170939 12.1670 [  $-2*(7*x^2-5*x+1)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A170939 6.83058 [  $\{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 2, a(1) = 4, a(2) = 14\}$ , ogf]  
A170940 12.6609 [  $2*x*(8*x-5)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A170940 12.9310  $-(-27+140*x+128*x^3-232*x^2)/(8*x-5)/(x-1)/(2*x-1)/(4*x-1)$  lgdogf  
A170940 6.66365 [  $\{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = 0, a(1) = 10, a(2) = 54\}$ , ogf]  
A170955 11.5615 [  $(80*x+1)/(10*x-1)/(x-1)$  ogf]  
A170955 12.0753  $-1/20*(-1-11*x+(1+342*x+81*x^2)^{(1/2)})/(-8+x)$  revogf  
A170955 12.3498  $-(20*x+7)*(40*x-13)/(-1+x)/(80*x+1)/(10*x-1)$  lgdogf  
A170955 6.52884 [  $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 1, a(1) = 91\}$ , ogf]  
A171005 12.4276 [  $-(x-4)/(x-1)^4$  egf]  
A171005 35.5194  $-3*(-5+x)/(x-1)/(x-4)$  lgdegf  
A171005 4.38199 [  $\{(-3*n^2-18*n-24)*a(n+1)+(-4*n^2-33*n-65)*a(n+2)+(4*n+12)*a(n+3), a(0) = 4, a(1) = 15, a(2) = 72\}$ , ogf]  
A171064 10.1410 [  $-x*(x-1)*(x+1)/(x^4-x^3-7*x^2-x+1)$  ogf]  
A171064 10.3060  $-(1+12*x+2*x^5-x^4+4*x^2-4*x^3)/(x-1)/(x+1)/(x^4-x^3-7*x^2-x+1)$  lgdogf  
A171065 9.72417 [  $-x*(x-1)*(x+1)/(x^4-x^3-8*x^2-x+1)$  ogf]  
A171065 9.87773  $-(1+14*x+2*x^5-x^4-4*x^3+4*x^2)/(x-1)/(x+1)/(x^4-x^3-8*x^2-x+1)$  lgdogf  
A171066 10.1753 [  $-x*(x-1)*(x+1)/(x^4-x^3-9*x^2-x+1)$  ogf]  
A171066 10.3432  $-(1+16*x+2*x^5-x^4+4*x^2-4*x^3)/(x-1)/(x+1)/(x^4-x^3-9*x^2-x+1)$  lgdogf  
A171067 9.17621  $-(1+18*x+2*x^5-x^4-4*x^3+4*x^2)/(x-1)/(x+1)/(x^2+3*x+1)/(x^2-4*x+1)$  lgdogf  
A171067 9.46156 [  $-x*(x-1)*(x+1)/(x^2+3*x+1)/(x^2-4*x+1)$  ogf]

A171068 9.65664 [  $-x*(x-1)*(x+1)/(x^4-x^3-11*x^2-x+1)$  ogf]  
A171068 9.80753  $-(1+20*x+2*x^5-x^4-4*x^3+4*x^2)/(x-1)/(x+1)/(x^4-x^3-11*x^2-x+1)$  lgdogf  
A171069 10.0087  $-(1+22*x+2*x^5-x^4+4*x^2-4*x^3)/(x-1)/(x+1)/(x^4-x^3-12*x^2-x+1)$  lgdogf  
A171069 9.85173 [  $-x*(x-1)*(x+1)/(x^4-x^3-12*x^2-x+1)$  ogf]  
A171088 13.2596 [  $(x^3-3*x^2+2*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A171088 14.0912  $-(3-3*x+x^5-5*x^4+4*x^3+6*x^2)/(x-1)/(x^2+x+1)/(x^3-3*x^2+2*x+1)$  lgdogf  
A171088 5.61294 [  $\{(n+6)*a(n+1)+a(n+2)+a(n+3)+(-n-5)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 0, a(3) = 2\}$ , ogf]  
A171089 10.8372  $-(2+8*x+2*x^4+8*x^3-13*x^2)/(x+1)/(x^2-3*x+1)/(2*x^2+4*x-3)$  lgdogf  
A171089 12.4204 [  $-2*(2*x^2+4*x-3)/(x+1)/(x^2-3*x+1)$  ogf]  
A171089 6.70480 [  $\{-a(n+3)+2*a(n+2)+2*a(n+1)-a(n), a(0) = 6, a(1) = 4, a(2) = 16\}$ , ogf]  
A171108 18.3035  $-3*(-25-46*x+11*x^2)/(x-1)/(11*x^2-40*x-7)$  lgdogf  
A171108 8.52526 [  $3*x^2*(11*x^2-40*x-7)/(x-1)^5$  ogf]  
A171126 6.65786 [  $(x^2+1)*(2*x^8+x^7+5*x^6+3*x^5-4*x^4+3*x^3+5*x^2+x+2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A171129 16.4061  $-(1+36*x+2*x^3+21*x^2)/(x-1)/(x^3+6*x^2+6*x-1)$  lgdogf  
A171129 4.07435 [  $\{(-35*n^2-129*n-118)*a(n+1)+(-26*n^2-384*n-412)*a(n+2)+(61*n^2+129*n+14)*a(n+3), a(0) = 0, a(1) = -1, a(2) = 1\}$ , ogf]  
A171129 8.37257 [  $-x*(x^3+6*x^2+6*x-1)/(x-1)^5$  ogf]  
A171141 13.2558 [  $(8*x^2+27*x+6)/(x+1)/(x-1)^2$  ogf]  
A171141 16.1211  $-(33+61*x+62*x^2+8*x^3)/(x-1)/(x+1)/(8*x^2+27*x+6)$  lgdogf  
A171141 7.20928 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 6, a(1) = 33, a(2) = 47\}$ , ogf]  
A171148 3.13572 [  $\{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 7, a(1) = 313, a(2) = 30103\}$ , ogf]  
A171148 5.33920 [  $-(3130*x^2-464*x+7)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A171155 20.5583  $-(1-x+x^3-x^2)/(-1+x)/(x^3+x^2+3*x-1)$  lgdogf  
A171160 17.4048 [  $-(x+3)/(x+1)/(2*x-1)$  ogf]  
A171160 19.7239  $1/2/(2*x+1)*(-x-3+(9*x^2+10*x+9)^(1/2))$  revogf  
A171160 22.6245  $-2*(2+6*x+x^2)/(x+3)/(2*x-1)/(x+1)$  lgdogf  
A171160 9.55144 [  $\{-a(n+2)+a(n+1)+2*a(n), a(0) = 3, a(1) = 4\}$ , ogf]  
A171181 6.06281 [  $x^2*(9*x^19+x^18+x^16+x^14+x^12+x^10+x^8+x^6+x^4+x^2+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^8-x^6+x^4-x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A171182 12.7447 [  $-x*(2*x^2+2*x+1)/(x-1)/(x^2+x+1)/(x+1)$  ogf]  
A171182 14.3041  $-(1+4*x+4*x^5+8*x^4+5*x^2+8*x^3)/(x-1)/(x+1)/(x^2+x+1)/(2*x^2+2*x+1)$  lgdogf  
A171199 14.9168  $-1/2*(-1+(1-8*x^2+4*x^3+4*x)^(1/2))/(x-1)$  revogf  
A171216 5.35111 [  $\{a(n+2)-1025*a(n+1)+1024*a(n), a(0) = 373, a(1) = 381301\}$ , ogf]  
A171216 9.07777 [  $-(1024*x-373)/(1024*x-1)/(x-1)$  ogf]  
A171218 10.5623 [  $2*x*(x^2+1)/(x+1)/(x-1)^4$  ogf]  
A171218 18.9941  $-(3+7*x+3*x^2+3*x^3)/(x-1)/(x+1)/(1+x^2)$  lgdogf  
A171218 26.4214 [  $[-x^3+2*x+3]$  ogf\_with\_Euler\_transform]  
A171219 13.7453 [  $-(64*x^28+36*x^10+16*x^2+5)/(x-1)$  ogf]  
A171220 12.1104 [  $(5*x+1)/(5*x-1)^2$  ogf]  
A171220 14.6633  $-1/10*(-1-10*x+(1+40*x)^(1/2))/(5*x-1)$  revogf  
A171220 21.4310  $-5*(3+5*x)/(5*x-1)/(5*x+1)$  lgdogf  
A171220 6.69634 [  $\{-a(n+2)+10*a(n+1)-25*a(n), a(0) = 1, a(1) = 15\}$ , ogf]  
A171226 5.20287 [  $\{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 19, a(1) = 919, a(2) = 90109\}$ , ogf]  
A171226 8.69426 [  $-(9190*x^2-1190*x+19)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A171231 11.8684 [  $-(3*x^2-2)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A171231 12.9953  $-2*(2-x+3*x^4-3*x^2)/(-1+x)/(2*x-1)/(x+1)/(3*x^2-2)$  lgdogf  
A171231 6.04014 [  $\{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 2, a(1) = 4, a(2) = 7\}$ , ogf]  
A171237 13.1182  $-(-3-4*x+2*x^4-2*x^3+10*x^2)/(x-1)/(2*x^2-x+2)/(x^2+x-1)$  lgdogf

A171237 14.1312 [ (2\*x^2-x+2)/(x-1)/(x^2+x-1) ogf]  
A171237 7.96762 [{a(n+3)-2\*a(n+2)+a(n), a(0) = 2, a(1) = 3, a(2) = 8}, ogf]  
A171248 5.22267 [{-a(n+3)+111\*a(n+2)-1110\*a(n+1)+1000\*a(n), a(0) = 8, a(1) = 323, a(2) = 30203}, ogf]  
A171248 8.89265 [ -(3230\*x^2-565\*x+8)/(x-1)/(100\*x-1)/(10\*x-1) ogf]  
A171270 10.8425 -(-11+66\*x-131\*x^2+84\*x^3)/(x-1)/(3\*x-1)/(-1+2\*x)/(7\*x-3) lgdogf  
A171270 11.6833 [ (7\*x-3)/(x-1)/(3\*x-1)/(2\*x-1) ogf]  
A171270 5.48609 [{a(n+3)-6\*a(n+2)+11\*a(n+1)-6\*a(n), a(0) = 3, a(1) = 11, a(2) = 33}, ogf]  
A171272 11.1651 [ (3\*x^3+11\*x^2+x+1)/(x-1)^4 ogf]  
A171272 18.2112 -(3\*x+1)\*(x^2+10\*x+5)/(-1+x)/(3\*x^3+11\*x^2+x+1) lgdogf  
A171272 6.04776 [{-a(n+4)+4\*a(n+3)-6\*a(n+2)+4\*a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 25, a(3) = 77}, ogf]  
A171371 14.8917 [ 2\*(15\*x-4)/(8\*x^2+6\*x-1) ogf]  
A171371 15.2918 1/2\*(-4-3\*x+(16-6\*x+17\*x^2)^(1/2))/(-15+4\*x) revogf  
A171371 16.4107 -(-9-64\*x+120\*x^2)/(15\*x-4)/(8\*x^2+6\*x-1) lgdogf  
A171371 8.25322 [{-a(n+2)+6\*a(n+1)+8\*a(n), a(0) = 8, a(1) = 18}, ogf]  
A171372 10.8075 -5\*(x^4+x^3+3\*x^2+x+1)\*(x^4+x^3-x^2+x+1)/(x-1)/(x^4+x^3+x^2+x+1)/(5\*x^4+5\*x^3+5\*x^2+5\*x+1) lgdogf  
A171372 15.2507 [ -(5\*x^4+5\*x^3+5\*x^2+5\*x+1)/(x-1)/(x^4+x^3+x^2+x+1) ogf]  
A171373 7.19808 -2\*(3-14\*x+x^8-32\*x^6+34\*x^5-28\*x^3+12\*x^7+29\*x^2)/(2\*x-1)/(x^4-2\*x^3+4\*x^2-3\*x+1)/(x^4+6\*x^3-4\*x^2+x+1) lgdogf  
A171373 8.02593 [ -(x^4+6\*x^3-4\*x^2+x+1)/(2\*x-1)/(x^4-2\*x^3+4\*x^2-3\*x+1) ogf]  
A171375 5.22267 [{-a(n+3)+111\*a(n+2)-1110\*a(n+1)+1000\*a(n), a(0) = 5, a(1) = 131, a(2) = 10301}, ogf]  
A171375 8.89265 [ -(1310\*x^2-424\*x+5)/(x-1)/(100\*x-1)/(10\*x-1) ogf]  
A171382 16.0840 [ (4\*x-3)/(x+1)/(2\*x-1) ogf]  
A171382 18.7707 1/4\*(-x-3+(9\*x^2-10\*x+9)^(1/2))/(-2+x) revogf  
A171382 19.2781 -(1-12\*x+8\*x^2)/(4\*x-3)/(2\*x-1)/(x+1) lgdogf  
A171382 8.82656 [{a(n+2)-a(n+1)-2\*a(n), a(0) = 3, a(1) = -1}, ogf]  
A171386 138.954 1/(x+1) lgdogf  
A171386 24.3278 [[1-x] ogf\_with\_Euler\_transform]  
A171386 46.3180 2\*x/(1+(1+2\*x)^(1/2)) revegf  
A171386 7.87594 [{-a(n+3), a(0) = 0, a(1) = 1, a(2) = 1}, ogf]  
A171389 10.1553 1/2\*ln(2\*x+19)+arctanh((42\*x+400)^(1/2))-1/2\*ln(19)-arctanh(20) revegf  
A171389 13.8960 [ -(19\*x-20)/(2\*x-1)/(x-1) ogf]  
A171389 15.2329 -(41-80\*x+38\*x^2)/(19\*x-20)/(x-1)/(-1+2\*x) lgdogf  
A171389 7.77513 [{-a(n+2)+3\*a(n+1)-2\*a(n), a(0) = 20, a(1) = 41}, ogf]  
A171390 10.3090 1/2\*ln(2\*x+35)+arctanh((74\*x+1296)^(1/2))-1/2\*ln(35)-arctanh(36) revegf  
A171390 14.3214 [ -(35\*x-36)/(2\*x-1)/(x-1) ogf]  
A171390 15.7089 -(73-144\*x+70\*x^2)/(x-1)/(2\*x-1)/(35\*x-36) lgdogf  
A171390 8.01314 [{-a(n+2)+3\*a(n+1)-2\*a(n), a(0) = 36, a(1) = 73}, ogf]  
A171397 6.54440 [ x\*(2\*x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A171408 11.2130 [ 4\*(2\*x^2-2\*x+1)/(x^4-2\*x^3+4\*x^2-3\*x+1) ogf]  
A171408 11.7840 -(2\*x-1)\*(2\*x^4-4\*x^3+4\*x^2-2\*x+1)/(2\*x^2-2\*x+1)/(x^4-2\*x^3+4\*x^2-3\*x+1) lgdogf  
A171410 3.13572 [{-a(n+3)+111\*a(n+2)-1110\*a(n+1)+1000\*a(n), a(0) = 7, a(1) = 151, a(2) = 10501}, ogf]  
A171410 5.33920 [ -(1510\*x^2-626\*x+7)/(x-1)/(100\*x-1)/(10\*x-1) ogf]  
A171415 13.5058 [ x/(x^2-99\*x+1) ogf]  
A171415 19.6208 -(-99+2\*x)/(x^2+1-99\*x) lgdogf  
A171415 5.59995 [{a(n+2)-99\*a(n+1)+a(n), a(0) = 0, a(1) = 1}, ogf]  
A171415 9.60169 -1/2\*(-1-99\*x+(1+101\*x)^(1/2)\*(97\*x+1)^(1/2))/x revogf  
A171416 16.5159 1/2/(1+x)\*(-1-x^2+(1+6\*x^2+x^4+4\*x)^(1/2)) revogf  
A171418 14.9543 [ -(x+1)^4/(x-1) ogf]  
A171418 43.2942 [[5-4\*x] ogf\_with\_Euler\_transform]  
A171418 44.7581 (-5+3\*x)/(x-1)/(x+1) lgdogf  
A171418 6.75714 [{(n+3)\*a(n+3)-5\*a(n+2)+(2-n)\*a(n+1), a(0) = 1, a(1) = 5, a(2) =

11}, ogf]  
A171440 12.6258 [  $-(x+1)^5/(x-1)$  ogf]  
A171440 39.9745  $2*(-3+2*x)/(x-1)/(x+1)$  lgdogf  
A171440 42.5427 [[6-5\*x] ogf\_with\_Euler\_transform]  
A171440 6.64025 [{(n+3)\*a(n+3)-6\*a(n+2)+(3-n)\*a(n+1), a(0) = 1, a(1) = 6, a(2) = 16}, ogf]  
A171441 11.2054 [  $-(x+1)^6/(x-1)$  ogf]  
A171441 42.5427 [[7-6\*x] ogf\_with\_Euler\_transform]  
A171441 43.9720  $(-7+5*x)/(x-1)/(x+1)$  lgdogf  
A171441 6.64025 [{(n+3)\*a(n+3)-7\*a(n+2)+(4-n)\*a(n+1), a(0) = 1, a(1) = 7, a(2) = 22}, ogf]  
A171442 36.8154  $2*(-4+3*x)/(x-1)/(x+1)$  lgdogf  
A171442 39.1361 [[8-7\*x] ogf\_with\_Euler\_transform]  
A171442 6.11719 [{(n+3)\*a(n+3)-8\*a(n+2)+(5-n)\*a(n+1), a(0) = 1, a(1) = 8, a(2) = 29}, ogf]  
A171442 9.27888 [  $-(x+1)^7/(x-1)$  ogf]  
A171443 39.3242 [[9-8\*x] ogf\_with\_Euler\_transform]  
A171443 40.6955  $(-9+7*x)/(x-1)/(x+1)$  lgdogf  
A171443 6.14660 [{(n+3)\*a(n+3)-9\*a(n+2)+(6-n)\*a(n+1), a(0) = 1, a(1) = 9, a(2) = 37}, ogf]  
A171443 8.46726 [  $-(x+1)^8/(x-1)$  ogf]  
A171445 27.9903 [[25-24\*x] ogf\_with\_Euler\_transform]  
A171445 29.0267  $(-25+23*x)/(x-1)/(x+1)$  lgdogf  
A171445 4.68791 [{(n+3)\*a(n+3)-25\*a(n+2)+(22-n)\*a(n+1), a(0) = 1, a(1) = 25, a(2) = 301}, ogf]  
A171449 10.9709 [{a(n+2)-2\*a(n+1), a(0) = -1, a(1) = 2}, ogf]  
A171449 21.3488 [  $-(4*x-1)/(2*x-1)$  ogf]  
A171449 22.9213  $1/8-1/4*x-1/8*(1+12*x+4*x^2)^{(1/2)}$  revogf  
A171449 41.0171  $-2/(-1+4*x)/(2*x-1)$  lgdogf  
A171452 10.6718 [  $-x^2*(2*x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A171452 18.4944  $-(4+6*x+8*x^2+9*x^3)/(x-1)/(2*x+1)/(x^2+x+1)$  lgdogf  
A171461 3.13572 [  $\{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 8, a(1) = 161, a(2) = 10601\}$ , ogf]  
A171461 5.33920 [  $-(1610*x^2-727*x+8)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A171463 17.1067 [  $-(2*x^2-2*x-1)/(x-1)^2$  ogf]  
A171463 30.6740  $-2*(-2+x)/(x-1)/(2*x^2-2*x-1)$  lgdogf  
A171463 8.88876 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 4, a(2) = 5\}$ , ogf]  
A171470 10.2960  $-6*(12*x-5)*(4*x-3)/(20*x-11)/(-1+4*x)/(-1+2*x)/(4*x+1)$  lgdogf  
A171470 10.3296 [  $-(4*x+1)*(20*x-11)/(4*x-1)/(2*x-1)$  ogf]  
A171470 5.45716 [  $\{-a(n+3)+6*a(n+2)-8*a(n+1), a(0) = 11, a(1) = 90, a(2) = 372\}$ , ogf]  
A171471 4.23210 [  $\{a(n+4)-7*a(n+3)+14*a(n+2)-8*a(n+1), a(0) = 35, a(1) = 225, a(2) = 837, a(3) = 3213\}$ , ogf]  
A171471 6.71894  $-9*(25-164*x+392*x^2-384*x^3+128*x^4)/(x-1)/(-1+4*x)/(-1+2*x)/(224*x^3-248*x^2-20*x+35)$  lgdogf  
A171471 7.85166 [  $-(224*x^3-248*x^2-20*x+35)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A171472 13.0361 [  $-(12*x-7)/(4*x-1)/(2*x-1)$  ogf]  
A171472 13.0511  $-2*(12*x-5)*(4*x-3)/(12*x-7)/(2*x-1)/(-1+4*x)$  lgdogf  
A171472 13.6581  $-1/8*(-7-6*x+(49+36*x+4*x^2)^{(1/2)})/(3+2*x)$  revogf  
A171472 7.22484 [  $\{-a(n+2)+6*a(n+1)-8*a(n), a(0) = 7, a(1) = 30\}$ , ogf]  
A171473 4.95380 [  $\{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 35, a(1) = 135, a(2) = 527\}$ , ogf]  
A171473 7.15462  $-(135-836*x+1876*x^2-1760*x^3+576*x^4)/(-1+x)/(-1+4*x)/(2*x-1)/(72*x^2-110*x+35)$  lgdogf  
A171473 8.85679 [  $-(72*x^2-110*x+35)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A171475 12.5420 [  $-(x-1)*(x+1)/(4*x-1)/(2*x-1)$  ogf]  
A171475 13.6821  $-6*(1-3*x+x^2)/(x-1)/(-1+4*x)/(-1+2*x)/(x+1)$  lgdogf  
A171475 5.96656 [  $\{-a(n+3)+6*a(n+2)-8*a(n+1), a(0) = 1, a(1) = 6, a(2) = 27\}$ , ogf]  
A171476 16.2707  $-1/16*(-1-6*x+(1+12*x+4*x^2)^{(1/2)})/x$  revogf  
A171476 18.6229 [  $1/(4*x-1)/(2*x-1)$  ogf]

A171476 20.7591  $-2*(-3+8*x)/(-1+4*x)/(-1+2*x)$  lgdogf  
A171476 7.49459  $[{-a(n+2)+6*a(n+1)-8*a(n), a(0) = 1, a(1) = 6}]$ , ogf]  
A171477 16.1725  $-(7-28*x+24*x^2)/(2*x-1)/(4*x-1)/(x-1)$  lgdogf  
A171477 16.5026  $[ -1/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A171477 5.50086  $[{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 1, a(1) = 7, a(2) = 35}]$ , ogf]  
A171478 11.6129  $[ -(x+1)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A171478 12.0501  $-2*(4-14*x+8*x^3+5*x^2)/(x-1)/(4*x-1)/(2*x-1)/(x+1)$  lgdogf  
A171478 5.50086  $[{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 1, a(1) = 8, a(2) = 42}]$ , ogf]  
A171479 10.1145  $[ -(x^2+x+1)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A171479 10.2426  $-(8-26*x+8*x^4+16*x^3+3*x^2)/(2*x-1)/(4*x-1)/(x-1)/(x^2+x+1)$  lgdogf  
A171479 5.50086  $[{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 1, a(1) = 8, a(2) = 43}]$ , ogf]  
A171480 10.2662  $[ -(x+1)^2/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A171480 12.4793  $-(9-35*x+24*x^2+8*x^3)/(x-1)/(4*x-1)/(2*x-1)/(x+1)$  lgdogf  
A171480 5.58337  $[{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 1, a(1) = 9, a(2) = 50}]$ , ogf]  
A171483 5.08725  $[ -x*(10*x^27+10*x^23+10*x^19+x^18+x^17+x^16-100*x^15-10*x^11-10*x^7-10*x^3-x^2-x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A171494 17.8376  $[ -2*(2*x+3)/(2*x-1)$  ogf]  
A171494 19.0153  $-3/4-1/4*x+1/4*(9+x)*(1+x)^(1/2)$  revogf  
A171494 34.0275  $-8/(2*x+3)/(-1+2*x)$  lgdogf  
A171494 9.04097  $[{a(n+2)-2*a(n+1), a(0) = 6, a(1) = 16}]$ , ogf]  
A171495 14.7353  $[ -2*(x-3)/(3*x-1)/(x-1)$  ogf]  
A171495 17.5733  $-(3-2*x+((9+x)*(1+x))^(1/2))/(2+3*x)$  revogf  
A171495 17.5733  $-(11-18*x+3*x^2)/(x-1)/(-1+3*x)/(x-3)$  lgdogf  
A171495 7.98902  $[{-a(n+2)+4*a(n+1)-3*a(n), a(0) = 6, a(1) = 22}]$ , ogf]  
A171496 11.0811  $1/4*\ln(x+1)+1/2*\operatorname{arctanh}((9+8*x)^(1/2))-1/2*\operatorname{arctanh}(3)$  revegf  
A171496 13.3258  $[ -2*(4*x-3)/(4*x-1)/(2*x-1)$  ogf]  
A171496 13.6581  $-2*(7-24*x+16*x^2)/(4*x-3)/(2*x-1)/(-1+4*x)$  lgdogf  
A171496 7.22484  $[{-a(n+2)+6*a(n+1)-8*a(n), a(0) = 6, a(1) = 28}]$ , ogf]  
A171497 17.3640  $-3/4-1/2*x+1/4*((2*x+9)*(2*x+1))^(1/2)$  revogf  
A171497 18.2010  $[ -(2*x+3)/(2*x-1)$  ogf]  
A171497 34.7280  $-8/(2*x+3)/(-1+2*x)$  lgdogf  
A171497 9.35331  $[{a(n+2)-2*a(n+1), a(0) = 3, a(1) = 8}]$ , ogf]  
A171498 13.9485  $-1/2*(-3-4*x+((2*x+9)*(2*x+1))^(1/2))/(1+3*x)$  revogf  
A171498 14.2346  $[ -(x-3)/(3*x-1)/(x-1)$  ogf]  
A171498 16.9644  $-(11-18*x+3*x^2)/(x-1)/(-1+3*x)/(x-3)$  lgdogf  
A171498 7.71755  $[{-a(n+2)+4*a(n+1)-3*a(n), a(0) = 3, a(1) = 11}]$ , ogf]  
A171499 11.2542  $1/4*\ln(1+2*x)+1/2*\operatorname{arctanh}((16*x+9)^(1/2))-1/2*\operatorname{arctanh}(3)$  revegf  
A171499 14.2839  $[ -(4*x-3)/(4*x-1)/(2*x-1)$  ogf]  
A171499 15.0056  $-2*(7-24*x+16*x^2)/(4*x-3)/(2*x-1)/(4*x-1)$  lgdogf  
A171499 7.74428  $[{-a(n+2)+6*a(n+1)-8*a(n), a(0) = 3, a(1) = 14}]$ , ogf]  
A171501 13.0849  $[ -(4*x+1)*x/(2*x+1)/(x-1)$  ogf]  
A171501 18.4527  $-(3+4*x+8*x^2)/(-1+x)/(2*x+1)/(4*x+1)$  lgdogf  
A171501 18.9653  $1/4*(x-1+(9*x^2+14*x+1)^(1/2))/(x+2)$  revogf  
A171501 6.34814  $[{a(n+3)+a(n+2)-2*a(n+1), a(0) = 0, a(1) = 1, a(2) = 3}]$ , ogf]  
A171507 11.6012  $[ -x^2*(3*x+1)/(x+1)/(2*x-1)/(x-1)^2$  ogf]  
A171507 15.5575  $-2*(-3-2*x+9*x^3+4*x^2)/(x-1)/(2*x-1)/(3*x+1)/(x+1)$  lgdogf  
A171507 4.08410  $[{(8*n+18)*a(n+1)+(-4*n-1)*a(n+2)+(-8*n-14)*a(n+3)+(4*n+5)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6}]$ , ogf]  
A171510 14.7222  $-(1-4*x+19*x^2)/(19*x-2)/(x^2+10*x-1)$  lgdogf  
A171510 15.1201  $(-1-5*x+(1-9*x+26*x^2)^(1/2))/(-19+x)$  revogf  
A171510 15.2226  $[ (19*x-2)/(x^2+10*x-1)$  ogf]  
A171510 8.62002  $[{-a(n+2)+10*a(n+1)+a(n), a(0) = 2, a(1) = 1}]$ , ogf]  
A171513 3.13060  $[{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 10, a(1) = 181, a(2) = 10801}]$ , ogf]  
A171513 5.30115  $[ -(1810*x^2-929*x+10)/(x-1)/(100*x-1)/(10*x-1)$  ogf]

A171516 15.1386 [  $(2x^2+1)/(x-1)/(x^2+x-1)$  ogf]  
A171516 15.4778  $-( -2-4x+2x^4+7x^2)/(x-1)/(2x^2+1)/(x^2+x-1)$  lgdogf  
A171516 7.89137 [  $\{-a(n+3)+2a(n+2)-a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A171520 5.43957 [  $-(x^{25}-x^{24}+x^{13}-x^{12}+x^5-x^4+x^2-x-1)/(x-1)^2$  ogf]  
A171522 5.88446 [  $-x^*(x^8+4x^6+16x^5+190x^4+64x^3+180x^2+16x+9)/(x-1)^5/(x+1)^5$  ogf]  
A171522 5.92837 [  $\{(-n^2-10n-25)*a(n+1)+(n^2+2n+1)*a(n+3), a(0) = 0, a(1) = 9, a(2) = 16\}$ , ogf]  
A171522 6.31911  $-2*(8+225x+40x^6+582x^5+264x^4+1100x^3+12x^7+168x^2+x^9)/(x-1)/(x+1)/(x^8+4x^6+16x^5+190x^4+64x^3+180x^2+16x+9)$  lgdogf  
A171526 11.1772  $(1-x+4x^4-11x^3+9x^2)/(-1+x)/(2x^4-3x^3+x-1)$  lgdogf  
A171526 9.23493 [  $-(2x^4-3x^3+x-1)/(x-1)^2$  ogf]  
A171552 3.76955 [  $\{-8a(n)*n-4a(n+1)-2a(n+2)+(n-1)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 0, a(3) = -8, a(4) = -16\}$ , ogf]  
A171552 9.00191 [  $-(16x^3+4x^2-1)/(4x^2+2x+1)/(2x-1)^2$  ogf]  
A171552 9.26625  $-2*(2x+1)*(4x^2+1)*(8x^2+4x-1)/(2x-1)/(4x^2+2x+1)/(16x^3+4x^2-1)$  lgdogf  
A171553 5.20287 [  $\{-a(n+3)+111a(n+2)-1110a(n+1)+1000a(n), a(0) = 11, a(1) = 191, a(2) = 10901\}$ , ogf]  
A171553 8.69426 [  $-(1910x^2-1030x+11)/(x-1)/(100x-1)/(10x-1)$  ogf]  
A171556 3.77061 [  $\{(4n^2+14n+12)*a(n+1)+(-5n^2-19n-16)*a(n+2)+(n^2+5n+4)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A171557 3.26384 [  $\{(108n+189)*a(n+1)+36a(n+2)+12a(n+3)+(-4n-3)*a(n+4), a(0) = 1, a(1) = 3, a(2) = -9, a(3) = -81\}$ , ogf]  
A171557 7.36651  $-3*(-1+9x+567x^4+135x^3+729x^5+63x^2)/(-1+3x)/(9x^2+3x+1)/(81x^3+18x^2-1)$  lgdogf  
A171557 8.08865 [  $-(81x^3+18x^2-1)/(9x^2+3x+1)/(3x-1)^2$  ogf]  
A171559 10.9709 [  $\{a(n+2)-2a(n+1), a(0) = 3, a(1) = 2\}$ , ogf]  
A171559 21.3488 [  $(4x-3)/(2x-1)$  ogf]  
A171559 23.5091  $3/8+1/4x-1/8*(9-4x+4x^2)^{1/2}$  revogf  
A171559 45.6352  $2/(2x-1)/(4x-3)$  lgdogf  
A171583 3.13060 [  $\{-a(n+3)+111a(n+2)-1110a(n+1)+1000a(n), a(0) = 10, a(1) = 343, a(2) = 30403\}$ , ogf]  
A171583 5.30115 [  $-(3430x^2-767x+10)/(x-1)/(100x-1)/(10x-1)$  ogf]  
A171590 10.1530 [  $-(32x^2-22x-1)/(x-1)/(2x+1)/(4x-1)$  ogf]  
A171590 5.61088 [  $\{-a(n+3)+3a(n+2)+6a(n+1)-8a(n), a(0) = 1, a(1) = 25, a(2) = 49\}$ , ogf]  
A171590 8.70969  $-(25-52x+256x^4+204x^2-352x^3)/(x-1)/(2x+1)/(4x-1)/(32x^2-22x-1)$  lgdogf  
A171621 4.89428 [  $\{(-n^2-10n-21)*a(n+1)+(n^2+6n+5)*a(n+3), a(0) = 0, a(1) = 5, a(2) = 3\}$ , ogf]  
A171621 7.65811 [  $x^*(3x^4+x^3-6x^2-3x-5)/(x-1)^3/(x+1)^3$  ogf]  
A171621 9.00731  $-3*(-1-14x+2x^5+x^4-4x^3-4x^2)/(-1+x)/(x+1)/(3x^4+x^3-6x^2-3x-5)$  lgdogf  
A171623 7.60260 [  $(x^7+x^2+x-4)/(x-1)$  ogf]  
A171623 8.80204  $(3-2x-7x^6+6x^7+x^2)/(-1+x)/(x^7+x^2+x-4)$  lgdogf  
A171624 12.1028  $(2+3x^4-4x^3)/(-1+x)/(x^4-x-1)$  lgdogf  
A171624 17.3225 [  $(x^4-x-1)/(x-1)$  ogf]  
A171627 12.1028  $(3+3x^4-4x^3)/(-1+x)/(x^4+x-4)$  lgdogf  
A171627 8.95418 [  $(x^4+x-4)/(x-1)$  ogf]  
A171630 3.13060 [  $\{-a(n+3)+111a(n+2)-1110a(n+1)+1000a(n), a(0) = 11, a(1) = 353, a(2) = 30503\}$ , ogf]  
A171630 5.30115 [  $-(3530x^2-868x+11)/(x-1)/(100x-1)/(10x-1)$  ogf]  
A171638 4.71837 [  $-x^*(9x^8+x^7-36x^6-5x^5+70x^4+19x^3+316x^2+9x+25)/(x-1)^5/(x+1)^5$  ogf]  
A171640 11.3565 [  $-(3x^2-8x+1)/(x-1)/(x^2-10x+1)$  ogf]  
A171640 6.22141 [  $\{-a(n+3)+11a(n+2)-11a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 25\}$ , ogf]  
A171647 15.2185 [  $(2x+1)/(2x^2-1)^2$  ogf]  
A171647 21.5046  $-2*(4x+1+6x^2)/(2x+1)/(2x^2-1)$  lgdogf  
A171647 3.76619 [  $\{(n+4)*a(n+4)+(4+2n)*a(n+3)+(-12-2n)*a(n+2)+(-16-4n)*a(n+1),$

$a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8$ , ogf]  
A171648 14.9206  $-2*(1+12*x^4+2*x+8*x^3+2*x^2)/(2*x+1)/(4*x^4+2*x^2-1)$  lgdogf  
A171648 16.4334  $[-(2*x+1)/(4*x^4+2*x^2-1)$  ogf]  
A171656 5.20287  $\{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 13, a(1) = 373, a(2) = 30703\}$ , ogf]  
A171656 8.69426  $[-(3730*x^2-1070*x+13)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A171662 7.25614  $-(3+6*x+8*x^7+2*x^8+6*x^2+10*x^3+8*x^4+14*x^5+11*x^6+4*x^9)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^2+x+1)$  lgdogf  
A171662 8.27820  $[-x^2*(x^4+x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3$  ogf]  
A171663 6.03517  $-(5+104*x^6-16*x^5-36*x^2+32*x^3+16*x^4+160*x^8-256*x^7)/(x-1)/(2*x+1)/(2*x-1)/(2*x^2-1)/(20*x^4-16*x^3-6*x^2+4*x+1)$  lgdogf  
A171663 7.51518  $[-(20*x^4-16*x^3-6*x^2+4*x+1)/(x-1)/(2*x+1)/(2*x-1)/(2*x^2-1)$  ogf]  
A171680 6.58854  $[-(20*x^4-33*x^3-71*x^2+21*x-1)/(x+1)/(x^2-3*x+1)/(x^2-18*x+1)$  ogf]  
A171681 5.24144  $[-(2*x^4-22*x^3+31*x^2+14*x-1)/(x+1)/(x^2-3*x+1)/(x^2-18*x+1)$  ogf]  
A171711 14.7995  $x*(1+x^4-2*x^2-x)/(x-1)^2/(1+x)^2$  revogf  
A171714 8.08198  $[-(x^4+4*x^3+14*x^2+4*x+1)/(x+1)/(x-1)^5$  ogf]  
A171718 3.13060  $\{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 14, a(1) = 383, a(2) = 30803\}$ , ogf]  
A171718 5.23139  $[-(3830*x^2-1171*x+14)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A171722 4.80551  $[-x*(x^16+x^15+x^14+x^13+x^12+x^11+x^10+x^9-9*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A171723 4.77981  $[-x*(x^16+x^15+x^14+x^13+x^12+x^11+x^10+x^9-10*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A171733 5.78227  $[(x^8-2*x^7-4*x^6+2*x^5-18*x^4+2*x^3-4*x^2-2*x+1)/(x+1)^4/(x-1)^5$  ogf]  
A171733 7.58133  $-(-1-x+x^9-3*x^8-6*x^7-10*x^6-112*x^5-14*x^2-98*x^3+4*x^4)/(x-1)/(x+1)/(x^8-2*x^7-4*x^6+2*x^5-18*x^4+2*x^3-4*x^2-2*x+1)$  lgdogf  
A171734 11.4023  $-2*x*(3+x^4+x^6+30*x^3-5*x^2+18*x)/(-1+x)/(x+1)/(x^6-x^4+12*x^3-x^2+1)$  lgdogf  
A171734 8.61656  $[2*(x^6-x^4+12*x^3-x^2+1)/(x-1)^4/(x+1)^4$  ogf]  
A171736 3.13060  $\{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 16, a(1) = 727, a(2) = 70207\}$ , ogf]  
A171736 5.23139  $[-(7270*x^2-1049*x+16)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A171753 5.18037  $\{-a(n+3)+9*a(n+2)-25*a(n+1)+21*a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]  
A171753 7.98906  $-(3-34*x+141*x^2-252*x^3+168*x^4)/(3*x-1)/(-1+2*x)/(-1+4*x)/(7*x^2-6*x+1)$  lgdogf  
A171753 9.45624  $[-(4*x-1)*(2*x-1)/(3*x-1)/(7*x^2-6*x+1)$  ogf]  
A171765 6.91335  $[x^{11}*(9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)^2/(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x^4-x^3+x^2-x+1)^2$  ogf]  
A171766 3.13060  $\{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 17, a(1) = 737, a(2) = 70307\}$ , ogf]  
A171766 5.23139  $[-(7370*x^2-1150*x+17)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A171769 13.5317  $[-(x^2+x+2)/(x+1)/(x-1)^3$  ogf]  
A171769 19.2807  $-(2*x+1)*(x^2+2*x+5)/(x-1)/(x+1)/(2*x^2+x)$  lgdogf  
A171790 4.27576  $\{(-256*n^3-128*n^2+16*n+8)*a(n)+(-27*n^3-54*n^2-33*n-6)*a(n+1), a(0) = 1, a(1) = 1\}$ , ogf]  
A171797 6.95632  $[-(110*x^20+110*x^19+110*x^11+202*x^10+101*x^9+110*x+101)/(x-1)/(x+1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A171813 8.13230  $(101+1266*x+276*x^2-58*x^3-456*x^4+36*x^5)/(x-1)/(9*x^5-137*x^4-303*x^3-633*x^2-100*x-1)$  lgdogf  
A171813 9.48569  $[(9*x^5-137*x^4-303*x^3-633*x^2-100*x-1)/(x-1)$  ogf]  
A171816 6.13826  $2*(4+764*x^7-73*x+809*x^5+665*x^8+827*x^6+269*x^2+530*x^3+710*x^4)/(10*x-1)/(19*x^8+28*x^7+37*x^6+46*x^5+55*x^4+64*x^3+73*x^2+82*x-9)$  lgdogf  
A171816 8.13449  $[(19*x^8+28*x^7+37*x^6+46*x^5+55*x^4+64*x^3+73*x^2+82*x-9)/(10*x-1)$  ogf]  
A171825 4.04940  $[-(8999010*x^8+910090991*x^7+989990000*x^6+98999010*x^5+11099990*x^4+1010999*x^3+1$

(89999010\*x^8+910090991\*x^7+989990000\*x^6+98999010\*x^5+11099990\*x^4+1010999\*x^3+11109\*x^2+101\*x+1)/(x-1)/(x+1) ogf]  
 A171834 10.2505  $-(3+14*x+17*x^2+20*x^3+3*x^4+17*x^5+22*x^6)/(x-1)/(x+1)/(x^2+1)/(x^3+5*x^2+x+1)$  lgdogf  
 A171834 9.71101  $[-(x^3+5*x^2+x+1)/(x+1)/(x^2+1)/(x-1)^3$  ogf]  
 A171835 8.87566  $[-(2*x^4+x^3+x^2+x+3)/(x+1)/(x^2+1)/(x-1)^3$  ogf]  
 A171835 9.09874  $-(7+10*x+13*x^2+32*x^3+7*x^4+13*x^5+10*x^6+4*x^7)/(x-1)/(x+1)/(x^2+1)/(2*x^4+x^3+x^2+x+3)$  lgdogf  
 A171842 16.6338  $[-(2*x-1)/(x-1)/(x^2+2*x-1)$  ogf]  
 A171842 19.2774  $-(1-2*x+4*x^2-x^3)/(-1+x)/(2*x-1)/(x^2+2*x-1)$  lgdogf  
 A171842 7.87134  $[{a(n+3)-3*a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 2},$  ogf]  
 A171856 10.3375  $[-(x^3+x+1)/(x^4+x^3-x^2+2*x-1)$  ogf]  
 A171856 11.6550  $-(3-2*x+2*x^2+4*x^3+5*x^4+5*x^5+x^6)/(x^3+x+1)/(x^4+x^3-x^2+2*x-1)$  lgdogf  
 A171857 10.2892  $[-(x^3+x^2+1)/(x^4+x^3-x^2+2*x-1)$  ogf]  
 A171857 12.7071  $-(2+2*x^5+2*x^4+4*x^2+x^6)/(x^3+x^2+1)/(x^4+x^3-x^2+2*x-1)$  lgdogf  
 A171858 8.45290  $-(2+3*x^2+4*x^3-x^4+4*x^7+5*x^6+x^8)/(x+1)/(x^3+x^2-x+1)/(x^5+2*x^4-x^3+2*x-1)$  lgdogf  
 A171858 9.22003  $[-(x+1)*(x^3+x^2-x+1)/(x^5+2*x^4-x^3+2*x-1)$  ogf]  
 A171861 12.9799  $-(2-4*x+4*x^2+2*x^3+3*x^4)/(x-1)/(x+x^2+1)/(x^3+x^2-1)$  lgdogf  
 A171861 13.4793  $[(x^2+x+1)/(x-1)/(x^3+x^2-1)$  ogf]  
 A171861 6.63096  $[{-a(n+4)+a(n+3)+a(n+2)-a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 6},$  ogf]  
 A171869 13.7683  $[(2*x^4+2*x^3+2*x^2-1)/(2*x-1)$  ogf]  
 A171869 15.7236  $2*(1-2*x+6*x^2-x^3)/(2*x-1)/(2*x^4+2*x^3+2*x^2-1)$  lgdogf  
 A171869 7.26658  $[{-a(n+5)+2*a(n+4), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 2, a(4) = 2},$  ogf]  
 A171891 16.6968  $[-(8*x^2-8*x-1)/(x-1)^2$  ogf]  
 A171891 27.9998  $-2*(-5+4*x)/(x-1)/(8*x^2-8*x-1)$  lgdogf  
 A171891 8.50893  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 10, a(2) = 11},$  ogf]  
 A171892 15.8542  $[-x*(7*x^2-7*x-1)/(x-1)^2$  ogf]  
 A171892 30.7207  $-(-9+7*x)/(x-1)/(7*x^2-7*x-1)$  lgdogf  
 A171892 7.92709  $[{-a(n+4)+2*a(n+3)-a(n+2), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 10},$  ogf]  
 A171893 15.7269  $[-(7*x^3-7*x^2-1)/(x-1)^2$  ogf]  
 A171893 20.4521  $(2+14*x+7*x^2-21*x^3)/(x-1)/(7*x^3-7*x^2-1)$  lgdogf  
 A171893 7.72788  $[{a(n+4)-2*a(n+3)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 10, a(3) = 11},$  ogf]  
 A171905 17.3401  $[-(x^3-2*x^2+x+1)/(x-1)$  ogf]  
 A171905 21.5533  $(-2+4*x+2*x^2-5*x^3)/(x-1)/(x^3-2*x^2+x+1)$  lgdogf  
 A171905 9.67394  $[{a(n+4)-a(n+3), a(0) = 1, a(1) = 2, a(2) = 0, a(3) = 1},$  ogf]  
 A171949 16.2698  $[x^{11}*(x-1)-x^3+x^2+2$  ogf\_with\_Euler\_transform]  
 A171950 12.3761  $[-(2*x^5-4*x^4+x^3+x-1)/(x-1)^2$  ogf]  
 A171950 14.2577  $(1-x+17*x^2+6*x^3-18*x^4-3*x^5)/(x-1)/(2*x^5-4*x^4+x^3+x-1)$  lgdogf  
 A171960 9.17584  $[-(54*x^{28}-54*x^{27}+18*x^{10}-18*x^9+6*x^4-6*x^3+3*x-2)/(x-1)^2$  ogf]  
 A171965 22.3091  $[x^5-x^3+x+3$  ogf\_with\_Euler\_transform]  
 A171965 8.92060  $[x^3*(x^2+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^4$  ogf]  
 A171965 9.71393  $-(3+5*x+3*x^2+12*x^3+7*x^4+6*x^5+6*x^6+6*x^7)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
 A171970 5.92761  $[x*(x^{14}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf]  
 A171984 7.78561  $[(x^8+4*x^7+4*x^6+4*x^5+4*x^4+4*x^3+4*x^2+4*x+4)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
 A172011 18.9679  $1/2*(-6-x+(12+4*x+x^2)^{(1/2)}*3^{(1/2)})/x$  revogf  
 A172011 19.7301  $[-12*x/(2*x^2+2*x-1)$  ogf]  
 A172011 30.8228  $-2*(1+2*x)/(2*x^2-1+2*x)$  lgdogf  
 A172011 9.14323  $[{-a(n+2)+2*a(n+1)+2*a(n), a(0) = 0, a(1) = 12},$  ogf]



A172012 16.6525 [ (3\*x-2)/(3\*x^2+3\*x-1) ogf]  
A172012 18.8803 -3\*(-1-4\*x+3\*x^2)/(3\*x-2)/(3\*x^2+3\*x-1) lgdogf  
A172012 9.13857 [ {-a(n+2)+3\*a(n+1)+3\*a(n), a(0) = 2, a(1) = 3}, ogf]  
A172020 7.32122 [ -(x^8-2\*x^4-x^3+x-1)/(x^3-x+1)/(x^3-x^2+2\*x-1)/(x^3-x-1) ogf]  
A172025 3.54475 [ {(4\*n^2+34\*n+70)\*a(n+1)+(7\*n^2+59\*n+122)\*a(n+2)+(-2\*n^2-18\*n-36)\*a(n+3), a(0) = 1, a(1) = 4, a(2) = 16}, ogf]  
A172033 16.5808 [ -(x^5-x^4+1)/(x^4-1) ogf\_with\_Euler\_transform]  
A172043 13.3061 [ -(7\*x^2+2\*x+1)/(x-1)^3 ogf]  
A172043 22.7531 -(5+18\*x+7\*x^2)/(x-1)/(7\*x^2+2\*x+1) lgdogf  
A172043 7.18294 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 19}, ogf]  
A172044 12.8935 [ (5\*x^2-14\*x-1)/(x-1)^3 ogf]  
A172044 20.6361 -(-17-18\*x+5\*x^2)/(x-1)/(5\*x^2-14\*x-1) lgdogf  
A172044 7.01227 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1, a(1) = 17, a(2) = 43}, ogf]  
A172045 18.9931 -(17+58\*x+15\*x^2)/(x-1)/(5\*x^2+12\*x+1) lgdogf  
A172045 3.66201 [ {(-3-n)\*a(n+4)+(-5-11\*n)\*a(n+3)+(65+7\*n)\*a(n+2)+(15+5\*n)\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 17, a(3) = 80}, ogf]  
A172045 8.71907 [ -x\*(5\*x^2+12\*x+1)/(x-1)^5 ogf]  
A172046 21.9919 [x^6-x^5+x^2+3 ogf\_with\_Euler\_transform]  
A172046 7.75132 -(3+3\*x+6\*x^4+6\*x^3+13\*x^6+6\*x^2+7\*x^9+6\*x^5+3\*x^7+3\*x^8)/(x-1)/(x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1) lgdogf  
A172046 8.70022 [ x^3\*(x+1)\*(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4 ogf]  
A172047 18.8382 -(25+98\*x+27\*x^2)/(x-1)/(9\*x^2+20\*x+1) lgdogf  
A172047 3.56093 [ {(n+3)\*a(n+4)+(13+19\*n)\*a(n+3)+(-109-11\*n)\*a(n+2)+(-27-9\*n)\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 25, a(3) = 124}, ogf]  
A172047 8.64798 [ -x\*(9\*x^2+20\*x+1)/(x-1)^5 ogf]  
A172050 7.29397 [ x\*(2\*x^4+8\*x^3-3\*x^2-8\*x+4)/(x-1)^2/(x^2+x-1)^2 ogf]  
A172050 8.71061 -2\*(-4+11\*x-2\*x^4-16\*x^3+2\*x^6+12\*x^5)/(x-1)/(x^2+x-1)/(2\*x^4+8\*x^3-3\*x^2-8\*x+4) lgdogf  
A172051 20.0602 [ -x^5/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) ogf]  
A172051 25.5968 -6\*x^5/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) lgdogf  
A172051 34.1499 [[x^5] ogf\_with\_Euler\_transform]  
A172060 4.85988 [ {(-16\*n-40)\*a(n+1)+(8\*n+22)\*a(n+2)+(-n-3)\*a(n+3), a(0) = 0, a(1) = 2, a(2) = 14}, ogf]  
A172073 11.9050 [ x\*(11\*x+1)/(x-1)^4 ogf]  
A172073 29.7948 -3\*(5+11\*x)/(11\*x+1)/(x-1) lgdogf  
A172073 5.13550 [ {(-2-n)\*a(n+3)+(5-10\*n)\*a(n+2)+(33+11\*n)\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 15}, ogf]  
A172075 18.2489 -(29+118\*x+33\*x^2)/(x-1)/(11\*x^2+24\*x+1) lgdogf  
A172075 3.61237 [ {(-3-n)\*a(n+4)+(-17-23\*n)\*a(n+3)+(131+13\*n)\*a(n+2)+(33+11\*n)\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 29, a(3) = 146}, ogf]  
A172075 8.71219 [ -x\*(11\*x^2+24\*x+1)/(x-1)^5 ogf]  
A172076 11.6013 [ x\*(13\*x+1)/(x-1)^4 ogf]  
A172076 30.1877 -(17+39\*x)/(13\*x+1)/(x-1) lgdogf  
A172076 5.00447 [ {(-2-n)\*a(n+3)+(5-12\*n)\*a(n+2)+(39+13\*n)\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 17}, ogf]  
A172077 17.8898 -3\*(11+46\*x+13\*x^2)/(x-1)/(13\*x^2+28\*x+1) lgdogf  
A172077 3.62957 [ {(n+3)\*a(n+4)+(21+27\*n)\*a(n+3)+(-153-15\*n)\*a(n+2)+(-39-13\*n)\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 33, a(3) = 168}, ogf]  
A172077 8.75367 [ -x\*(13\*x^2+28\*x+1)/(x-1)^5 ogf]  
A172078 11.2435 [ x\*(15\*x+1)/(x-1)^4 ogf]  
A172078 29.2462 -(19+45\*x)/(15\*x+1)/(x-1) lgdogf  
A172078 4.85012 [ {(-2-n)\*a(n+3)+(5-14\*n)\*a(n+2)+(45+15\*n)\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 19}, ogf]  
A172080 17.6574 -(37+158\*x+45\*x^2)/(x-1)/(15\*x^2+32\*x+1) lgdogf  
A172080 8.43276 [ -x\*(15\*x^2+32\*x+1)/(x-1)^5 ogf]  
A172082 10.9422 [ x\*(17\*x+1)/(x-1)^4 ogf]  
A172082 27.3597 -3\*(7+17\*x)/(17\*x+1)/(x-1) lgdogf  
A172082 4.72016 [ {(-2-n)\*a(n+3)+(5-16\*n)\*a(n+2)+(51+17\*n)\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 21}, ogf]

A172085 17.8322  $-(41+178*x+51*x^2)/(x-1)/(17*x^2+36*x+1)$  lgdogf  
A172085 3.53062  $[{(n+3)*a(n+4)+(29+35*n)*a(n+3)+(-197-19*n)*a(n+2)+(-51-17*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 41, a(3) = 212}],$  ogf]  
A172085 8.51504  $[-x*(17*x^2+36*x+1)/(x-1)^5$  ogf]  
A172117 10.9969  $[x*(19*x+1)/(x-1)^4$  ogf]  
A172117 28.5985  $-(23+57*x)/(19*x+1)/(x-1)$  lgdogf  
A172117 4.74376  $[{(-2-n)*a(n+3)+(5-18*n)*a(n+2)+(57+19*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 23}],$  ogf]  
A172118 17.5678  $-3*(15+66*x+19*x^2)/(x-1)/(19*x^2+40*x+1)$  lgdogf  
A172118 3.56474  $[{(-3-n)*a(n+4)+(-33-39*n)*a(n+3)+(219+21*n)*a(n+2)+(57+19*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 45, a(3) = 234}],$  ogf]  
A172118 8.59731  $[-x*(19*x^2+40*x+1)/(x-1)^5$  ogf]  
A172123 19.8098  $-(13+14*x+3*x^2)/(x-1)/(x+2)/(x+1)$  lgdogf  
A172123 8.24234  $[-2*x*(x+2)*(x+1)/(x-1)^5$  ogf]  
A172124 5.19823  $[-2*x^2*(3*x^4+18*x^3+48*x^2+38*x+13)/(x+1)/(x-1)^7$  ogf]  
A172124 7.65613  $-4*(29+107*x+152*x^2+102*x^3+27*x^4+3*x^5)/(x-1)/(x+1)/(3*x^4+18*x^3+48*x^2+38*x+13)$  lgdogf  
A172131 19.4647  $[x^8-2*x^5+2*x^2+x+2$  ogf\_with\_Euler\_transform]  
A172131 6.26635  $[x^3*(x+1)*(x^2-x+1)^2/(x^2+x+1)/(x^6+x^3+1)/(x-1)^4$  ogf]  
A172131 6.94053  $-(2+4*x+2*x^10+7*x^11+6*x^5+6*x^4+6*x^3+6*x^6+6*x^7+15*x^8+8*x^2+4*x^9)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^3+1)$  lgdogf  
A172132 14.4056  $-2*(-7-6*x-6*x^2+4*x^3)/(x-1)/(4*x^3-8*x^2+x-3)$  lgdogf  
A172132 3.73717  $[{(14*n^2+96*n+136)*a(n+1)+(-27*n^2-119*n-36)*a(n+2)+(13*n^2+27*n+2)*a(n+3), a(0) = 0, a(1) = 6, a(2) = 28}],$  ogf]  
A172132 7.47435  $[2*x*(4*x^3-8*x^2+x-3)/(x-1)^5$  ogf]  
A172134 4.14953  $[4*x*(3*x^8-20*x^7+43*x^6-38*x^5+23*x^4-11*x^3-27*x^2-2*x-1)/(x-1)^7$  ogf]  
A172137 12.3743  $-2*(-9-2*x-6*x^2+2*x^4)/(x-1)/(4*x^4-8*x^3+4*x^2-3*x-3)$  lgdogf  
A172137 6.91167  $[2*x*(4*x^4-8*x^3+4*x^2-3*x-3)/(x-1)^5$  ogf]  
A172138 3.66542  $[4*x*(4*x^10-23*x^9+45*x^8-33*x^7-x^6+9*x^5+29*x^4-58*x^3+13*x^2-14*x-1)/(x-1)^7$  ogf]  
A172141 5.89753  $[-2*x*(x^2+2*x+3)*(2*x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A172141 9.10182  $-2*(7+27*x+36*x^2+34*x^3+13*x^4+3*x^5)/(x-1)/(x+1)/(x^2+2*x+3)/(2*x^2+x+1)$  lgdogf  
A172160 12.6993  $[-(x^2+2*x-1)/(2*x-1)^2$  ogf]  
A172160 24.9537  $-2*(3*x-1)/(2*x-1)/(x^2+2*x-1)$  lgdogf  
A172160 6.59865  $[{-a(n+3)+4*a(n+2)-4*a(n+1), a(0) = 1, a(1) = 2, a(2) = 3}],$  ogf]  
A172162 10.5705  $[-x*(x-1)/(100*x-1)/(11*x-1)/(9*x+1)$  ogf]  
A172162 5.63760  $[{a(n+3)-102*a(n+2)+101*a(n+1)+9900*a(n), a(0) = 0, a(1) = 1, a(2) = 101}],$  ogf]  
A172163 11.9797  $[10*x^2/(100*x-1)/(11*x-1)/(9*x+1)$  ogf]  
A172163 5.38070  $[{-a(n+3)+102*a(n+2)-101*a(n+1)-9900*a(n), a(0) = 0, a(1) = 0, a(2) = 10}],$  ogf]  
A172172 16.7281  $[x*(8*x+1)/(x-1)/(x^2+x-1)$  ogf]  
A172172 18.3829  $-(-10+16*x^3+3*x^2)/(-1+x)/(8*x+1)/(x^2+x-1)$  lgdogf  
A172172 8.71999  $[{-a(n+3)+2*a(n+2)-a(n), a(0) = 0, a(1) = 1, a(2) = 10}],$  ogf]  
A172173 11.5981  $-(-1-20*x+16*x^5+8*x^4+4*x^3+11*x^2)/(-1+x)/(x+1)/(8*x^2+1)/(x^2+x-1)$  lgdogf  
A172173 12.4797  $[x*(8*x^2+1)/(x-1)/(x+1)/(x^2+x-1)$  ogf]  
A172174 14.1700  $-1/180*(-1-91*x+(1+182*x+7921*x^2)^(1/2))/x$  revogf  
A172174 17.7184  $[1/(90*x-1)/(x-1)$  ogf]  
A172174 22.5671  $-(-91+180*x)/(90*x-1)/(x-1)$  lgdogf  
A172174 7.29580  $[{-a(n+2)+91*a(n+1)-90*a(n), a(0) = 1, a(1) = 91}],$  ogf]  
A172175 12.8387  $-(-111+220*x)/(110*x-1)/(-1+x)$  lgdogf  
A172175 17.7853  $[1/(110*x-1)/(x-1)$  ogf]  
A172175 7.47791  $[{-a(n+2)+111*a(n+1)-110*a(n), a(0) = 1, a(1) = 111}],$  ogf]  
A172175 8.55913  $-1/220*(-111*x-1+(11881*x^2+222*x+1)^(1/2))/x$  revogf  
A172178 17.2757  $[(98*x+1)/(x-1)^2$  ogf]  
A172178 21.0687  $-1/2*(-1-2*x+(1+396*x)^(1/2))/(-98+x)$  revogf  
A172178 28.8720  $-2*(50+49*x)/(98*x+1)/(x-1)$  lgdogf

A172178 9.46048 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 100\}$ , ogf]  
A172193 12.5539 [  $(25*x^2-34*x-1)/(x-1)^3$  ogf]  
A172193 19.3940 [  $(-37-18*x+25*x^2)/(x-1)/(25*x^2-34*x-1)$  lgdogf]  
A172193 6.93768 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 37, a(2) = 83\}$ , ogf]  
A172200 31.4451 [  $(-23+8*x)/(x-1)/(2*x-5)$  lgdogf]  
A172200 4.95616 [  $\{-5*n*a(n+3)+(16+7*n)*a(n+2)+(-4-2*n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 20\}$ , ogf]  
A172200 9.47866 [  $4*x^3*(2*x-5)/(x-1)^5$  ogf]  
A172201 4.36670 [  $4*x^4*(x^7-7*x^6+13*x^5+23*x^4-32*x^3-60*x^2-46*x-12)/(x+1)^2/(x-1)^7$  ogf]  
A172201 5.64032 [  $-2*(-53-229*x+12*x^6+69*x^5+x^8-8*x^7-6*x^4-382*x^2-244*x^3)/(x-1)/(x+1)/(x^7-7*x^6+13*x^5+23*x^4-32*x^3-60*x^2-46*x-12)$  lgdogf]  
A172202 17.4381 [  $-2*(17+20*x+17*x^2)/(-1+x)/(17*x^2+2*x+8)$  lgdogf]  
A172202 3.84140 [  $\{(-130356*n^2+152048*n)*a(n)+(47223*n^2-823126*n+292491)*a(n+1)+(83133*n^2+30611*n)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 8\}$ , ogf]  
A172202 9.25877 [  $x^2*(17*x^2+2*x+8)/(x-1)^4$  ogf]  
A172203 4.48236 [  $-x^2*(68*x^4-4*x^3+149*x^2+34*x+9)/(x-1)^5$  ogf]  
A172203 6.66444 [  $(79+434*x+68*x^4+264*x^3+435*x^2)/(-1+x)/(68*x^4-4*x^3+149*x^2+34*x+9)$  lgdogf]  
A172204 4.00672 [  $x^2*(259*x^6-204*x^5+1294*x^4+622*x^3+1035*x^2+104*x+15)/(x-1)^6$  ogf]  
A172205 3.76139 [  $-2*x^2*(475*x^8-1015*x^7+4398*x^6+194*x^5+10875*x^4+5233*x^3+3012*x^2+148*x+8)/(x-1)^7$  ogf]  
A172206 3.42096 [  $x^2*(3387*x^10-13990*x^9+57102*x^8-55038*x^7+217860*x^6+137902*x^5+324486*x^4+120530*x^3+30546*x^2+734*x+24)/(x-1)^8$  ogf]  
A172207 6.89119 [  $(2*x^6+14*x^3+8*x^2+2*x+1)/(x-1)^4$  ogf]  
A172207 8.38810 [  $2*(-3-11*x+2*x^6-6*x^5-7*x^3-29*x^2)/(x-1)/(2*x^6+14*x^3+8*x^2+2*x+1)$  lgdogf]  
A172208 4.07661 [  $(2*x^12-2*x^11+4*x^10-24*x^9+50*x^8-10*x^7+41*x^6-23*x^5+152*x^4+35*x^3+26*x^2+4*x+1)/(x-1)^5$  ogf]  
A172212 7.36344 [  $(6*x^6-8*x^5+2*x^4+24*x^3-6*x^2+8*x+1)/(x-1)^4$  ogf]  
A172212 8.27672 [  $4*(-3-3*x+3*x^6-11*x^5+10*x^4-8*x^3-15*x^2)/(-1+x)/(6*x^6-8*x^5+2*x^4+24*x^3-6*x^2+8*x+1)$  lgdogf]  
A172213 3.48345 [  $(16*x^9-20*x^8-40*x^7+172*x^6-81*x^5+41*x^4+142*x^3+14*x^2+11*x+1)/(x-1)^5$  ogf]  
A172218 5.45591 [  $(2*x^10-4*x^9+6*x^8-4*x^7-6*x^6+24*x^5-18*x^4+24*x^3-6*x^2+8*x+1)/(x-1)^4$  ogf]  
A172221 6.04164 [  $(2*x^8-4*x^7+2*x^6-8*x^5+28*x^4-20*x^3+10*x^2+16*x+1)/(x-1)^4$  ogf]  
A172221 6.12568 [  $4*(-5-17*x+2*x^8+8*x^6-5*x^5-7*x^7+10*x^4-23*x^3+10*x^2)/(-1+x)/(2*x^8-4*x^7+2*x^6-8*x^5+28*x^4-20*x^3+10*x^2+16*x+1)$  lgdogf]  
A172225 18.0653 [  $-6*(-2-4*x+x^2)/(-1+x)/(2*x^2-7*x-1)$  lgdogf]  
A172225 7.86714 [  $2*x*(2*x^2-7*x-1)/(x-1)^5$  ogf]  
A172226 4.62401 [  $2*x^2*(x^5-9*x^4+22*x^3-2*x^2-61*x-11)/(x-1)^7$  ogf]  
A172226 7.75983 [  $-2*(-69-185*x+x^5-11*x^4+26*x^3+28*x^2)/(-1+x)/(x^5-9*x^4+22*x^3-2*x^2-61*x-11)$  lgdogf]  
A172227 3.96918 [  $x^2*(4*x^8-26*x^7+3*x^6+303*x^5-736*x^4+180*x^3+1595*x^2+351*x+6)/(x-1)^9$  ogf]  
A172229 15.5163 [  $(22+58*x+3*x^3+25*x^2)/(-1+x)/(3*x^3+8*x^2+14*x+2)$  lgdogf]  
A172229 4.74746 [  $\{(-729*n^2-543*n)*a(n)+(-420*n^2-6698*n-5038)*a(n+1)+(1149*n^2+1607*n+458)*a(n+2), a(0) = 0, a(1) = 2\}$ , ogf]  
A172229 9.78439 [  $x*(3*x^3+8*x^2+14*x+2)/(x-1)^4$  ogf]  
A172230 6.25477 [  $-x*(4*x^5+12*x^4+67*x^3+120*x^2+51*x+2)/(x-1)^5$  ogf]  
A172230 8.84913 [  $(61+444*x+32*x^4+182*x^3+561*x^2)/(-1+x)/(4*x^5+12*x^4+67*x^3+120*x^2+51*x+2)$  lgdogf]  
A172232 4.18639 [  $-2*x*(3*x^9-5*x^8+100*x^7+354*x^6+2548*x^5+7572*x^4+9248*x^3+3262*x^2+245*x+1)/$

$(x-1)^7 \text{ ogf}$   
A172241 10.4062 [  $x*(4*x+3)/(x-1)/(8*x-1)/(x+1) \text{ ogf}$  ]  
A172241 10.8179  $-2*(-14-3*x+32*x^3+34*x^2)/(x-1)/(8*x-1)/(4*x+3)/(x+1) \text{ lgdogf}$   
A172241 5.29603 [  $\{-a(n+3)+8*a(n+2)+a(n+1)-8*a(n), a(0) = 0, a(1) = 3, a(2) = 28\}, \text{ ogf}$  ]  
A172242 5.74438 [  $\{(-n-2)*a(n+2)+(24+2*n)*a(n+1), a(0) = 1, a(1) = 22\}, \text{ ogf}$  ]  
A172242 54.2478  $-22/(2*x-1) \text{ lgdogf}$   
A172244 10.7865 [  $-(x-1)*(x^2+600*x+1)/(x^4-15550*x^2+1) \text{ ogf}$  ]  
A172252 14.2744 [  $(10*x-1)/(2*x-1)/(x-1) \text{ ogf}$  ]  
A172252 15.7688  $-(2*x+1)*(10*x-7)/(x-1)/(-1+2*x)/(10*x-1) \text{ lgdogf}$   
A172252 17.0137  $1/4*(-1+3*x+(1+34*x+x^2)^{(1/2)})/(-5+x) \text{ revogf}$   
A172252 8.00761 [  $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = -1, a(1) = 7\}, \text{ ogf}$  ]  
A172254 10.4920 [  $(2*x^4+2*x^3-3*x^2+x-1)/(x-1)/(x+1)/(x^2+1) \text{ ogf}$  ]  
A172254 11.1244  $-(1-6*x+2*x^6-6*x^5+3*x^4+6*x^2+4*x^3)/(x-1)/(x+1)/(x^2+1)/(2*x^4+2*x^3-3*x^2+x-1) \text{ lgdogf}$   
A172264 8.39889 [  $x^4*(x^{19}+x^{15}+x^{12}+x^9+x^6+x^3+1)/(x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}$  ]  
A172269 5.91936 [  $x*(2*x^{12}+x^{11}+x^{10}+x^9+2*x^8+x^7+x^6+x^5+2*x^4+x^3+x^2+x+1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 \text{ ogf}$  ]  
A172272 6.17226 [  $x*(2*x^{11}+2*x^{10}+x^9+2*x^8+x^7+2*x^6+2*x^5+x^4+2*x^3+x^2+2*x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2 \text{ ogf}$  ]  
A172274 8.72192 [  $-(x^{37}+x^{35}+x^9-x^8+x^6+x^3+x^2+1)/(-x^{35}-x^3-1) \text{ ogf\_with\_Euler\_transform}$  ]  
A172277 7.81403 [  $x*(x^2+x+1)*(x^6+x^4+x^3+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 \text{ ogf}$  ]  
A172285 14.2385 [  $-x*(x+2)/(2*x-1)/(x+1)^2 \text{ ogf}$  ]  
A172285 21.2589  $-(1+11*x+4*x^2)/(2*x-1)/(x+2)/(x+1) \text{ lgdogf}$   
A172285 8.11442 [  $\{-a(n+3)+3*a(n+1)+2*a(n), a(0) = 0, a(1) = 2, a(2) = 1\}, \text{ ogf}$  ]  
A172316 19.5633 [  $1/(x-1)/(x^6+x^5+x^4+x^3+x^2+x-1) \text{ ogf}$  ]  
A172317 12.9651  $-2*(-1+4*x^7)/(x-1)/(x^7+x^6+x^5+x^4+x^3+x^2+x-1) \text{ lgdogf}$   
A172317 19.6674 [  $1/(x-1)/(x^7+x^6+x^5+x^4+x^3+x^2+x-1) \text{ ogf}$  ]  
A172318 12.5913  $-(2+9*x^8)/(x-1)/(x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1) \text{ lgdogf}$   
A172318 19.8755 [  $1/(x-1)/(x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1) \text{ ogf}$  ]  
A172319 11.2659  $-2*(-1+5*x^9)/(x-1)/(x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1) \text{ lgdogf}$   
A172319 19.2909 [  $1/(x-1)/(x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1) \text{ ogf}$  ]  
A172320 10.3574  $-(2+11*x^{10})/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1) \text{ lgdogf}$   
A172320 19.2909 [  $1/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1) \text{ ogf}$  ]  
A172331 10.1258 [  $x*(7*x^3+6*x^2+6*x+6)/(x+1)/(x^2+1)/(x-1)^2 \text{ ogf}$  ]  
A172331 8.55751  $-(12+24*x+14*x^6+25*x^5+39*x^2+49*x^3+37*x^4)/(x-1)/(x+1)/(x^2+1)/(7*x^3+6*x^2+6*x+6) \text{ lgdogf}$   
A172334 11.1906 [  $x*(6*x^2+5*x+5)/(x^2+x+1)/(x-1)^2 \text{ ogf}$  ]  
A172334 11.7310  $-(10+22*x+21*x^3+12*x^4+31*x^2)/(x-1)/(x^2+x+1)/(6*x^2+5*x+5) \text{ lgdogf}$   
A172334 4.25374 [  $\{(16*n+47)*a(n+1)+16*a(n+2)+16*a(n+3)+(-16*n-31)*a(n+4), a(0) = 0, a(1) = 5, a(2) = 10, a(3) = 16\}, \text{ ogf}$  ]  
A172336 5.36713 [  $-5*x*(x^{48}+2*x^{47}+75*x^4+50*x^3+30*x^2+15*x+5)/(3*x^{48}-2*x^{47}-75*x^6+100*x^5-5*x^4-5*x^3-5*x^2-5*x-5) \text{ ogf}$  ]  
A172336 6.12951  $2*(-377500*x-1275251*x^3-125000-760050*x^2+625000*x^{47}+625000*x^{48})/(-382550*x^2-125000-252500*x+1275251*x^4+625000*x^{47}-515201*x^3) \text{ lgdogf}$   
A172362 5.49999 [  $\{(-n-2)*a(n+2)+(36+3*n)*a(n+1), a(0) = 1, a(1) = 33\}, \text{ ogf}$  ]  
A172362 51.9292  $-33/(3*x-1) \text{ lgdogf}$   
A172392 10.6366 [  $\text{hypergeom}([1/2, 3/2], [3], 16*x) \text{ ogf}$  ]  
A172392 4.32380 [  $\{(-16*n^2-64*n-60)*a(n+1)+(n^2+6*n+8)*a(n+2), a(0) = 1, a(1) = 4\}, \text{ ogf}$  ]  
A172397 16.0862 [  $1/(x^8+x^3-x^2-x+1) \text{ ogf}$  ]  
A172397 20.0429  $-(-1-2*x+8*x^7+3*x^2)/(-x^2+1-x+x^8+x^3) \text{ lgdogf}$   
A172399 17.3083 [  $1/(x^8+x^3-2*x^2-2*x+1) \text{ ogf}$  ]  
A172399 17.3925  $-(-2-4*x+8*x^7+3*x^2)/(-2*x^2+1-2*x+x^8+x^3) \text{ lgdogf}$

A172416 8.60849 [  $-(x^3+x^2-1)/(2*x-1)/(x-1)/(x+1)^2$  ogf]  
A172416 9.60444  $-(1+3*x+2*x^5+2*x^3+2*x^4-8*x^2)/(x-1)/(2*x-1)/(x+1)/(x^3+x^2-1)$  lgdogf  
A172430 9.70757 [  $-(5*x^9+8*x^8+9*x^7+4*x^6+3*x^5+7*x^3+6*x^2+x+2)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A172432 4.29176 [  $2*\exp(1/2*x^9)$  ogf\_with\_Euler\_transform]  
A172445 6.16008 [  $(688*x^15-22*x^14+41*x^11-41*x^10+38*x^6+2*x^5-2*x^4+4*x^3-x^2+2*x+1)/(x-1)^2$  ogf]  
A172447 12.8188 [  $-(2*x^2-2*x+1)/(4*x-1)/(x-1)^2$  ogf]  
A172447 15.3782  $-2*(2*x-1)*(2*x^2-x+2)/(x-1)/(4*x-1)/(2*x^2-2*x+1)$  lgdogf  
A172447 6.91986 [  $\{a(n+3)-6*a(n+2)+9*a(n+1)-4*a(n), a(0) = 1, a(1) = 4, a(2) = 17\}$ , ogf]  
A172448 9.06954  $(-2-10*x+1197*x^5-1423*x^4-1125*x^3-57*x^2)/(x-1)/(399*x^5+286*x^4+19*x^3+5*x^2+1)$  lgdogf  
A172448 9.72253 [  $(399*x^5+286*x^4+19*x^3+5*x^2+1)/(x-1)^2$  ogf]  
A172467 26.2167  $9*x^8/(x+1)/(1-x+x^2)/(1-x^3+x^6)$  lgdogf  
A172474 8.79403 [  $x^3*(x^2+1)*(x^12+x^7-x^5+x^4+x^3-x^2+1)/(x^16+x^15+x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A172475 5.68418 [  $x^2*(x^14+x^12+x^11+x^10+x^9+x^8+x^7+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf]  
A172481 15.1735 [  $-(x^2+x-1)/(x+1)/(2*x-1)^2$  ogf]  
A172481 17.9593  $-(2*x+1)*(x^2+2*x-2)/(2*x-1)/(x+1)/(x^2+x-1)$  lgdogf  
A172481 8.55529 [  $\{a(n+3)-3*a(n+2)+4*a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A172482 11.7327 [  $(x+3)*(x+1)/(x-1)^4$  ogf]  
A172482 24.8345  $-2*(8+7*x+x^2)/(x+1)/(x+3)$  lgdogf  
A172482 3.98797 [  $\{(3*n+12)*a(n+4)+(-13+n)*a(n+3)+(-20-3*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 3, a(1) = 16, a(2) = 47, a(3) = 104\}$ , ogf]  
A172485 10.9481 [  $(2*x^2+2*x+1)/(6*x^3+6*x^2+3*x+1)$  ogf]  
A172485 5.96279 [  $\{-a(n+3)-3*a(n+2)-6*a(n+1)-6*a(n), a(0) = 1, a(1) = -1, a(2) = -1\}$ , ogf]  
A172492 4.90467 [  $\{(-n^3-7*n^2-16*n-12)*a(n+1)+a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A172501 5.50384 [  $-1/(6*x-1)^9$  ogf]  
A172501 6.74999 [  $\{(-n-2)*a(n+2)+(60+6*n)*a(n+1), a(0) = 1, a(1) = 54\}$ , ogf]  
A172510 10.4154 [  $-1/(8*x-1)^5$  ogf]  
A172510 39.2784  $-40/(-1+8*x)$  lgdogf  
A172510 6.58332 [  $\{(-n-2)*a(n+2)+(48+8*n)*a(n+1), a(0) = 1, a(1) = 40\}$ , ogf]  
A172511 5.90389 [  $-(2*x^4-15*x^3+24*x^2-10*x+1)/(x-1)/(x^2-7*x+1)/(x^2-3*x+1)$  ogf]  
A172517 12.6382  $-(25+94*x+5*x^4+78*x^2+38*x^3)/(x-1)/(x+1)/(x^3+6*x^2+9*x+8)$  lgdogf  
A172517 6.80271 [  $-4*x^3*(x^3+6*x^2+9*x+8)/(x+1)^3/(x-1)^5$  ogf]  
A172518 3.43933 [  $-4*x^4*(9*x^6+94*x^5+199*x^4+388*x^3+151*x^2+94*x+25)/(x+1)^5/(x-1)^7$  ogf]  
A172518 5.27176  $-2*(72+395*x+27*x^7+1250*x^2+1541*x^3+2180*x^4+917*x^5+338*x^6)/(x-1)/(x+1)/(9*x^6+94*x^5+199*x^4+388*x^3+151*x^2+94*x+25)$  lgdogf  
A172525 14.5786 [  $111111111/(x-1)^2$  ogf]  
A172525 45.1342 [  $[2]$  ogf\_with\_Euler\_transform]  
A172525 6.09919 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 111111111, a(1) = 222222222\}$ , ogf]  
A172525 73.2429  $-2/(x-1)$  lgdogf  
A172525 9.93125  $49382716*x/(37037037+(1371742109739369+49382716*x)^(1/2))^2$  revogf  
A172529 6.14533 [  $2*x*(16*x^7-71*x^6+121*x^5-98*x^4+40*x^3-9*x^2-4*x-1)/(x-1)^5$  ogf]  
A172964 6.48814 [  $2*x*(6*x^7-30*x^6+61*x^5-66*x^4+45*x^3-21*x^2+x-2)/(x-1)^5$  ogf]  
A172965 4.17648 [  $-2*x^2*(15*x^9-141*x^8+564*x^7-1276*x^6+1812*x^5-1652*x^4+908*x^3-272*x^2+99*x+3)/(x-1)^7$  ogf]  
A172968 13.4635 [  $-(5*x-1)/(x^2-7*x+1)$  ogf]

A172968 14.8420  $-1/2*(-1-7*x+(1-6*x+45*x^2)^{(1/2)})/(5+x)$  revogf  
A172968 17.4612  $-(2-2*x+5*x^2)/(5*x-1)/(x^2-7*x+1)$  lgdogf  
A172968 7.38852  $[{a(n+2)-7*a(n+1)+a(n), a(0) = 1, a(1) = 2}],$  ogf]  
A172978 5.53533  $[{-n-2)*a(n+2)+(48+4*n)*a(n+1), a(0) = 1, a(1) = 44}],$  ogf]  
A172978 52.2894  $-44/(4*x-1)$  lgdogf  
A173000 4.68202  $[{-n-2)*a(n+2)+(54+9*n)*a(n+1), a(0) = 1, a(1) = 45}],$  ogf]  
A173000 44.1094  $-45/(9*x-1)$  lgdogf  
A173000 7.40737  $[ -1/(9*x-1)^5$  ogf]  
A173009 8.33993  $[ -x*(x^2-x+1)/(x+1)/(2*x-1)/(x-1)^2$  ogf]  
A173010 4.29972  $[ -x^2*(x^4-x^3+1)/(x+1)/(2*x-1)/(x^2+1)/(x-1)^2$  ogf]  
A173012 25.2206  $2*(1+3*x)/(3*x^2+1+2*x)$  lgdogf  
A173012 4.81148  $[{-a(n+3), a(0) = 1, a(1) = 2, a(2) = 3}],$  ogf]  
A173013 4.49251  $[ (5*x^5+5*x^4-4*x^3-4*x^2-3*x-1)/(x-1)/(x+1)$  ogf]  
A173014 8.40698  $-2*x*(3+2*x^5+3*x^4+14*x^2+6*x)/(-1+x)/(x+1)/(1+x^2)/$   
 $(6*x^4+4*x^3+3*x^2+1)$  lgdogf  
A173014 9.21393  $[ -(6*x^4+4*x^3+3*x^2+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A173031 11.8925  $[ 1/(x-1)/(x^2+x-1)/(2*x-1)^2$  ogf]  
A173031 14.7051  $-(6-12*x+10*x^3-3*x^2)/(x-1)/(2*x-1)/(x^2+x-1)$  lgdogf  
A173033 12.7064  $[ (2*x^2+x+1)/(2*x-1)/(x-1)$  ogf]  
A173033 16.4958  $-4*(-1+2*x^2)/(x-1)/(-1+2*x)/(1+x+2*x^2)$  lgdogf  
A173033 6.53823  $[{-a(n+3)+3*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 4, a(2) = 12}],$   
ogf]  
A173034 10.3735  $(5+10*x-19*x^2-12*x^3+4*x^4)/(x-1)/(2*x-1)/(2*x^3+7*x^2+2*x+1)$   
lgdogf  
A173034 10.7643  $[ (2*x^3+7*x^2+2*x+1)/(2*x-1)/(x-1)$  ogf]  
A173034 5.66055  $[{a(n+4)-3*a(n+3)+2*a(n+2), a(0) = 1, a(1) = 5, a(2) = 20, a(3)$   
 $= 52}],$  ogf]  
A173035 14.4992  $[ -x*(5*x^2+6*x-15)/(x-1)^2$  ogf]  
A173035 25.9008  $-8*(-3+2*x)/(x-1)/(5*x^2+6*x-15)$  lgdogf  
A173035 7.24960  $[{-a(n+4)+2*a(n+3)-a(n+2), a(0) = 0, a(1) = 15, a(2) = 24, a(3)$   
 $= 28}],$  ogf]  
A173036 13.0895  $[ -(13*x^2-25*x+13)/(x-1)^3$  ogf]  
A173036 20.5463  $-(14-24*x+13*x^2)/(x-1)/(13*x^2-25*x+13)$  lgdogf  
A173036 7.28462  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 13, a(1) = 14, a(2) =$   
 $16}],$  ogf]  
A173039 5.12216  $[ -(5*x^8+3*x^7+21*x^6+30*x^5+6*x^4+14*x^3-3*x^2-x-3)/(x-1)^3/$   
 $(x^2+x+1)^3$  ogf]  
A173041 11.5615  $[ -(32*x-5)/(10*x-1)/(x-1)$  ogf]  
A173041 11.8128  $-1/4*(-5-11*x+(25-18*x+81*x^2)^{(1/2)})/(16+5*x)$  revogf  
A173041 12.3498  $-(23-100*x+320*x^2)/(-1+x)/(32*x-5)/(10*x-1)$  lgdogf  
A173041 6.52884  $[{a(n+2)-11*a(n+1)+10*a(n), a(0) = 5, a(1) = 23}],$  ogf]  
A173044 10.6745  $-(27-107*x+x^5-7*x^4-22*x^2+18*x^3)/(x-1)/$   
 $(x^5-6*x^4+14*x^3-16*x^2-15*x-2)$  lgdogf  
A173044 6.96110  $[ -5*(x^5-6*x^4+14*x^3-16*x^2-15*x-2)/(x-1)^6$  ogf]  
A173078 11.1882  $-(3-10*x+8*x^4+4*x^3+13*x^2)/(-1+x)/(2*x-1)/(x+1)/(1+x+4*x^2)$   
lgdogf  
A173078 11.5968  $[ (4*x^2+x+1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A173078 6.26019  $[{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 1, a(1) = 3, a(2) = 11}],$   
ogf]  
A173089 18.6522  $[ -2*(12*x+13)/(x-1)^3$  ogf]  
A173089 37.4216  $-3*(17+8*x)/(12*x+13)/(x-1)$  lgdogf  
A173089 8.76812  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 26, a(1) = 102, a(2) =$   
 $228}],$  ogf]  
A173102 13.1915  $[ -(x+2)*(2*x+1)/(x+1)/(x-1)^3$  ogf]  
A173102 16.4433  $-(9+22*x+4*x^3+19*x^2)/(x-1)/(2*x+1)/(x+2)/(x+1)$  lgdogf  
A173113 4.65586  $[{-n-2)*a(n+2)+(60+5*n)*a(n+1), a(0) = 1, a(1) = 55}],$  ogf]  
A173113 40.2026  $-55/(-1+5*x)$  lgdogf  
A173114 11.5525  $-(1-2*x+8*x^4+20*x^3-15*x^2)/(x-1)/(2*x-1)/(x+1)/$   
 $(4*x^3+2*x^2+x-1)$  lgdogf  
A173114 5.11984  $[{-a(n+4)+2*a(n+3)+a(n+2)-2*a(n+1), a(0) = 1, a(1) = 1, a(2) =$   
 $1, a(3) = -3}],$  ogf]

A173114 9.79448 [  $-(4*x^3+2*x^2+x-1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A173115 3.77069 [  $\{a(n+3)-99*a(n+2)+99*a(n+1)-a(n), a(0) = 0, a(1) = 24, a(2) = 2400\}$ , ogf]  
A173115 7.23231 [  $-24*x*(x+1)/(x-1)/(x^2-98*x+1)$  ogf]  
A173115 9.03076  $-2*(50-99*x+x^3-48*x^2)/(x-1)/(x+1)/(x^2-98*x+1)$  lgdogf  
A173116 14.8043  $-2*(5+15*x+9*x^2+x^3)/(x-1)/(x+1)/(x^2+4*x+1)$  lgdogf  
A173116 3.95612 [  $\{(n^2+2*n)*a(n+1)+(-2*n^2-8*n-36)*a(n+2)+(n^2+6*n+8)*a(n+3), a(0) = 0, a(1) = 8, a(2) = 80\}$ , ogf]  
A173116 7.27415 [  $-8*x*(x+1)*(x^2+4*x+1)/(x-1)^5$  ogf]  
A173121 31.6643  $-2*(3+2*x)/(x-1)/(x+1)$  lgdogf  
A173121 33.1952 [[6-x] ogf\_with\_Euler\_transform]  
A173121 5.28981 [  $\{(n+1)*a(n+3)-6*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 48\}$ , ogf]  
A173121 8.68574 [  $-48*x^2*(x+1)/(x-1)^5$  ogf]  
A173123 4.70817 [  $\{(-n-2)*a(n+2)+(66+6*n)*a(n+1), a(0) = 1, a(1) = 60\}$ , ogf]  
A173124 4.89126 [  $\{(-n-2)*a(n+2)+(72+6*n)*a(n+1), a(0) = 1, a(1) = 66\}$ , ogf]  
A173124 46.1258  $-66/(6*x-1)$  lgdogf  
A173125 7.81436  $-(1-14*x^6-8*x^5+2*x^8+8*x^7+19*x^4-9*x^2+4*x^3)/(x-1)/(2*x-1)/(x^2+x-1)/(x^2-x-1)/(x^3+3*x^2-1)$  lgdogf  
A173125 8.21935 [  $-(x-1)*(x^3+3*x^2-1)/(2*x-1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A173126 12.9739 [  $-x^4/(2*x-1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A173126 13.2056  $-2*(1+3*x+5*x^4-2*x^3-9*x^2)/(2*x-1)/(x^2+x-1)/(x^2-x-1)$  lgdogf  
A173127 11.6102 [  $3*(39*x-1)/(x^2-38*x+1)$  ogf]  
A173127 11.6803  $1/2/(-117+x)*(-3+38*x+(9+240*x+1440*x^2)^(1/2))$  revogf  
A173127 14.4467  $-(-1-2*x+39*x^2)/(39*x-1)/(x^2-38*x+1)$  lgdogf  
A173127 6.71435 [  $\{-a(n+2)+38*a(n+1)-a(n), a(0) = -3, a(1) = 3\}$ , ogf]  
A173141 18.7607 [  $-2*(24*x+25)/(x-1)^3$  ogf]  
A173141 36.3014  $-3*(33+16*x)/(24*x+25)/(x-1)$  lgdogf  
A173141 8.81915 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 50, a(1) = 198, a(2) = 444\}$ , ogf]  
A173151 6.48549 [  $-(x^5-x^4+1)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A173151 7.57241  $-(1+3*x+2*x^8+2*x^6-2*x^5-2*x^7+4*x^4+3*x^3+x^2)/(-1+x)/(x+1)/(1+x^2)/(x^5-x^4+1)$  lgdogf  
A173154 10.9997 [  $(x^4-x^3+x+1)/(x+1)/(x-1)^4$  ogf]  
A173154 18.3865  $-(4+8*x+x^2+x^3+x^4+x^5)/(x-1)/(x+1)/(x^4-x^3+x+1)$  lgdogf  
A173155 4.68202 [  $\{(-n-2)*a(n+2)+(56+8*n)*a(n+1), a(0) = 1, a(1) = 48\}$ , ogf]  
A173155 40.4336  $-48/(-1+8*x)$  lgdogf  
A173155 5.77086 [  $1/(8*x-1)^6$  ogf]  
A173173 10.1978 [  $-x*(x^3+x^2-1)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A173173 10.5820  $-(1+4*x^6+2*x^5+2*x^7-5*x^4-2*x^3+x^2)/(-1+x)/(x^2+x+1)/(x^2+x-1)/(x^3+x^2-1)$  lgdogf  
A173184 3.87864 [  $\{(n+3)*a(n+1)+(-n-4)*a(n+3)+a(n+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 4\}$ , ogf]  
A173187 39.0473  $-36/(-1+9*x)$  lgdogf  
A173187 4.52508 [  $\{(-n-2)*a(n+2)+(45+9*n)*a(n+1), a(0) = 1, a(1) = 36\}$ , ogf]  
A173187 8.26997 [  $1/(9*x-1)^4$  ogf]  
A173188 4.86511 [  $\{(-n-2)*a(n+2)+(63+9*n)*a(n+1), a(0) = 1, a(1) = 54\}$ , ogf]  
A173188 45.8738  $-54/(9*x-1)$  lgdogf  
A173188 5.92761 [  $1/(9*x-1)^6$  ogf]  
A173191 4.96974 [  $\{(-n-2)*a(n+2)+(72+9*n)*a(n+1), a(0) = 1, a(1) = 63\}$ , ogf]  
A173191 46.8820  $-63/(9*x-1)$  lgdogf  
A173191 5.26792 [  $-1/(9*x-1)^7$  ogf]  
A173192 47.8902  $-72/(9*x-1)$  lgdogf  
A173192 5.07436 [  $\{(-n-2)*a(n+2)+(81+9*n)*a(n+1), a(0) = 1, a(1) = 72\}$ , ogf]  
A173193 11.5615 [  $-(50*x-7)/(10*x-1)/(x-1)$  ogf]  
A173193 12.3498  $-(27-140*x+500*x^2)/(-1+x)/(50*x-7)/(10*x-1)$  lgdogf  
A173193 12.3498  $-1/20*(-7-11*x+(49-46*x+81*x^2)^(1/2))/(5+x)$  revogf  
A173193 6.52884 [  $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 7, a(1) = 27\}$ , ogf]  
A173196 13.2067 [  $x^2/(x+1)/(x-1)^4$  ogf]  
A173196 38.1590 [[3+x] ogf\_with\_Euler\_transform]  
A173196 39.8912  $-(3+5*x)/(x-1)/(x+1)$  lgdogf

A173196 6.10308 [ $\{(-1-n)*a(n+3)+3*a(n+2)+(4+n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A173197 16.8436 [  $-(5*x^3-x^2+x-1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A173197 17.9245  $-(1+4*x+3*x^4-24*x^2+24*x^3)/(x-1)/(2*x-1)/(x+1)/(5*x^3-x^2+x-1)$  lgdogf  
A173197 8.80462 [ $\{-a(n+4)+2*a(n+3)+a(n+2)-2*a(n+1), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 2\}$ , ogf]  
A173200 17.6616  $-2*(35+50*x+11*x^2)/(x-1)/(11*x^2+26*x+11)$  lgdogf  
A173200 3.61798 [ $\{(-33-11*n)*a(n+4)+(40-15*n)*a(n+3)+(115+15*n)*a(n+2)+(22+11*n)*a(n+1), a(0) = 0, a(1) = 11, a(2) = 70, a(3) = 225\}$ , ogf]  
A173200 9.90183 [  $x*(11*x^2+26*x+11)/(x-1)^4$  ogf]  
A173202 10.0726 [  $x*(5*x^2+38*x+5)/(x-1)^4$  ogf]  
A173202 18.8365  $-2*(29+62*x+5*x^2)/(x-1)/(5*x^2+38*x+5)$  lgdogf  
A173202 3.65378 [ $\{(-15-5*n)*a(n+4)+(-8-33*n)*a(n+3)+(157+33*n)*a(n+2)+(10+5*n)*a(n+1), a(0) = 0, a(1) = 5, a(2) = 58, a(3) = 207\}$ , ogf]  
A173205 13.0511 [  $1/(x^2-98*x+1)$  ogf]  
A173205 18.8468  $-2*(-49+x)/(x^2-98*x+1)$  lgdogf  
A173205 5.28257 [ $\{-a(n+2)+98*a(n+1)-a(n), a(0) = 1, a(1) = 98\}$ , ogf]  
A173205 9.22291  $-1/2*(-1-98*x+(1+100*x)^(1/2)*(96*x+1)^(1/2))/x$  revogf  
A173227 3.71549 [ $\{(-n^2-5*n-6)*a(n+1)+(n^2+7*n+13)*a(n+2)+(-2*n-8)*a(n+3)+a(n+4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 18\}$ , ogf]  
A173234 8.43890 [  $-x*(x^5-2*x^4+2*x^3-3*x^2-1)/(x+1)/(x-1)^2/(x^2+1)^2$  ogf]  
A173234 9.49911  $-(-1-5*x+2*x^8+5*x^6-10*x^5-2*x^4-10*x^3-5*x^7+2*x^2)/(x-1)/(x+1)/(1+x^2)/(x^5-2*x^4+2*x^3-3*x^2-1)$  lgdogf  
A173237 17.6994 [  $(10*x+1)/(x-1)^2/(x+1)^2$  ogf]  
A173237 22.8493  $-2*(5+2*x+15*x^2)/(x-1)/(10*x+1)/(x+1)$  lgdogf  
A173237 4.38104 [ $\{(-n-4)*a(n+4)+(-20-10*n)*a(n+3)+(6+n)*a(n+2)+(40+10*n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 2, a(3) = 20\}$ , ogf]  
A173243 4.19197 [  $(x+1)^{10}/(x^{10}+x^9-x^7-x^6-x^5-x^4-x^3+x+1)$  ogf]  
A173243 7.15189  $-(x-1)*(9*x^8+18*x^7+21*x^6+18*x^5+17*x^4+18*x^3+21*x^2+18*x+9)/(x+1)/(x^{10}+x^9-x^7-x^6-x^5-x^4-x^3+x+1)$  lgdogf  
A173244 5.17628 [  $(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9-x^7-x^6-x^5-x^4-x^3+x+1)$  ogf]  
A173245 19.9948 [ $x^{10}-10*x+9$  ogf\_with\_Euler\_transform]  
A173245 5.53240  $-(-1+x)*(9*x^8+16*x^7+21*x^6+24*x^5+25*x^4+24*x^3+21*x^2+16*x+9)/(x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A173246 26.2439 [[49-50\*x] ogf\_with\_Euler\_transform]  
A173246 27.3701  $(-49+51*x)/(x-1)/(x+1)$  lgdogf  
A173246 4.38661 [ $\{(-n-3)*a(n+3)+49*a(n+2)+(-50+n)*a(n+1), a(0) = 1, a(1) = 49, a(2) = 1175\}$ , ogf]  
A173247 10.7704 [  $(x^3-x^2-1)/(x+1)^3$  ogf]  
A173247 24.7803  $(3-2*x+4*x^2)/(x+1)/(x^3-x^2-1)$  lgdogf  
A173247 5.26372 [ $\{a(n+4)+3*a(n+3)+3*a(n+2)+a(n+1), a(0) = -1, a(1) = 3, a(2) = -7, a(3) = 14\}$ , ogf]  
A173248 23.3014  $(4-3*x^2+5*x^3)/(x+1)/(x^4-x^3-1)$  lgdogf  
A173248 9.54273 [  $(x^4-x^3-1)/(x+1)^4$  ogf]  
A173254 7.13713  $-(1+2*x-3*x^6+6*x^7+6*x^4-2*x^3+2*x^8+x^{10}+x^{12}-2*x^9)/(x-1)/(x+1)/(x^7-x^6+x^3-x+1)/(1+x^4)$  lgdogf  
A173254 7.22949 [  $-(x^7-x^6+x^3-x+1)/(x+1)/(x^4+1)/(x-1)^3$  ogf]  
A173259 13.1926 [ $\{a(n+3)-a(n), a(0) = 4, a(1) = 1, a(2) = 4\}$ , ogf]  
A173259 19.6797  $-(2*x+1)*(2*x^3+6*x+1)/(x-1)/(x^2+x+1)/(4*x^2+x+4)$  lgdogf  
A173259 20.4620 [  $-(4*x^2+x+4)/(x-1)/(x^2+x+1)$  ogf]  
A173262 11.5615 [  $-(70*x-9)/(10*x-1)/(x-1)$  ogf]  
A173262 12.3498  $-(29-180*x+700*x^2)/(-1+x)/(70*x-9)/(10*x-1)$  lgdogf  
A173262 12.3498  $-1/20*(-9-11*x+(81-82*x+81*x^2)^(1/2))/(7+x)$  revogf  
A173262 6.52884 [ $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 9, a(1) = 29\}$ , ogf]  
A173267 17.4863 [  $-2*(60*x+61)/(x-1)^3$  ogf]  
A173267 35.0598  $-3*(81+40*x)/(60*x+61)/(x-1)$  lgdogf  
A173267 8.37578 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 122, a(1) = 486, a(2) = 1092\}$ , ogf]  
A173275 17.8823 [  $-2*(84*x+85)/(x-1)^3$  ogf]



A173275 34.6290  $-3*(113+56*x)/(84*x+85)/(x-1)$  lgdogf  
A173275 8.56546  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 170, a(1) = 678, a(2) = 1524\}, ogf]$   
A173276 14.1617  $[ (x+1)*(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2 ogf]$   
A173276 21.7427  $[-x^5+x^4+x^2+1 ogf\_with\_Euler\_transform]$   
A173276 6.42033  $-(1+x+x^6+x^5+3*x^7+7*x^4+2*x^3+4*x^2)/(-1+x)/(x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A173277 19.0268  $[3*x^15+3*x^7+3*x^3+3*x+4 ogf\_with\_Euler\_transform]$   
A173294 15.6126  $[ (x^4-26*x^2-7)/(x+1)^2/(x-1)^3 ogf]$   
A173294 21.4179  $-(-7-87*x+x^5+x^4-26*x^2-74*x^3)/(x-1)/(x+1)/(x^4-26*x^2-7)$  lgdogf  
A173299 7.01977  $[ (x^9-x^7+x^6-15*x^5+5*x^4+7*x^3+5*x^2+2*x+1)/(x^4-4*x^2+1)/(x^4+4*x^2+1) ogf]$   
A173300 13.1352  $[ (2*x^5-2*x^3-2*x^2-x-1)/(2*x^2-1)/(2*x^2+1) ogf]$   
A173300 9.42104  $(1+4*x+8*x^8+8*x^6+16*x^5+2*x^4+16*x^3+6*x^2)/(2*x^2-1)/(2*x^2+1)/(2*x^5-2*x^3-2*x^2-x-1)$  lgdogf  
A173307 16.1188  $[ -26*x/(x-1)^3 ogf]$   
A173307 56.6443  $[[3] ogf\_with\_Euler\_transform]$   
A173307 6.56164  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 26, a(2) = 78\}, ogf]$   
A173307 91.2998  $-3/(x-1)$  lgdogf  
A173308 16.6000  $[ -34*x/(x-1)^3 ogf]$   
A173308 58.3352  $[[3] ogf\_with\_Euler\_transform]$   
A173308 6.69823  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 34, a(2) = 102\}, ogf]$   
A173308 94.0664  $-3/(x-1)$  lgdogf  
A173309 16.7603  $[ -38*x/(x-1)^3 ogf]$   
A173309 58.8988  $[[3] ogf\_with\_Euler\_transform]$   
A173309 6.76295  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 38, a(2) = 114\}, ogf]$   
A173309 94.9887  $-3/(x-1)$  lgdogf  
A173314 3.33656  $[ \{(-n^2-4*n-4)*a(n+1)+(n^2+5*n+5)*a(n+2)+(-n-1)*a(n+3), a(0) = 7, a(1) = 7, a(2) = 13\}, ogf]$   
A173315 10.5791  $[ (14*x^3+12*x^2+5*x+1)/(2*x+1)/(2*x^2+2*x+1) ogf]$   
A173315 13.4480  $(1+6*x+6*x^2)^2/(2*x+1)/(14*x^3+12*x^2+5*x+1)/(2*x^2+2*x+1)$  lgdogf  
A173315 5.69027  $[ \{a(n+4)+4*a(n+3)+6*a(n+2)+4*a(n+1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = -4\}, ogf]$   
A173316 3.33656  $[ \{(-n^2-4*n-4)*a(n+1)+(n^2+5*n+5)*a(n+2)+(-n-1)*a(n+3), a(0) = 5, a(1) = 5, a(2) = 11\}, ogf]$   
A173317 3.33861  $[ \{(-n^2-4*n-4)*a(n+1)+(n^2+5*n+5)*a(n+2)+(-n-1)*a(n+3), a(0) = 4, a(1) = 4, a(2) = 9\}, ogf]$   
A173319 3.33656  $[ \{(-n^2-4*n-4)*a(n+1)+(n^2+5*n+5)*a(n+2)+(-n-1)*a(n+3), a(0) = 6, a(1) = 6, a(2) = 11\}, ogf]$   
A173321 3.30252  $[ \{(-n^2-4*n-4)*a(n+1)+(n^2+5*n+5)*a(n+2)+(-n-1)*a(n+3), a(0) = 3, a(1) = 3, a(2) = 7\}, ogf]$   
A173322 4.18966  $[ \{(-n^2-4*n-4)*a(n+1)+(n^2+5*n+5)*a(n+2)+(-n-1)*a(n+3), a(0) = 5, a(1) = 5, a(2) = 9\}, ogf]$   
A173323 3.30252  $[ \{(n^2+4*n+4)*a(n+1)+(-n^2-5*n-5)*a(n+2)+(n+1)*a(n+3), a(0) = 2, a(1) = 2, a(2) = 5\}, ogf]$   
A173324 4.18966  $[ \{(-n^2-4*n-4)*a(n+1)+(n^2+5*n+5)*a(n+2)+(-n-1)*a(n+3), a(0) = 4, a(1) = 4, a(2) = 7\}, ogf]$   
A173329 4.91057  $[ (x^21-x^20+x^18-x^16+x^14-x^13+x^11-x^9+x^7-x^2+1)/(x^8+x^7-x^5-x^4-x^3+x+1)/(x-1)^2 ogf]$   
A173343 10.9066  $[ (x+1)/(x^4+x^3+2*x^2-x+1) ogf]$   
A173343 14.2455  $-(-2+4*x+5*x^2+6*x^3+3*x^4)/(x+1)/(x^4+x^3+2*x^2-x+1)$  lgdogf  
A173344 15.2688  $-x*(-4-x-2*x^2+3*x^3)/(x-1)/(x^4+x^3+2*x^2-x+1)$  lgdogf  
A173344 9.60294  $[ -x*(x-1)/(x^4+x^3+2*x^2-x+1) ogf]$   
A173345 7.90712  $[ -x^4*(2*x^20+x^15+x^10+x^5+1)/(x^4+x^3+x^2+x+1)/(x^20+x^15+x^10+x^5+1)/(x-1)^3 ogf]$   
A173388 12.4004  $[ -(x^7-x^6+x+1)/(x^4+x^2-1) ogf]$

A173388 9.08388  $(-1-2*x-x^2-4*x^3-3*x^4+6*x^5-7*x^6-4*x^7+5*x^8-2*x^9+3*x^{10})/(x^4+x^2-1)/(x^7-x^6+x+1)$  lgdogf  
A173391 10.2277  $[-3*(x^2-8*x+3)/(3*x-1)/(x-1)^2$  ogf]  
A173391 12.6784  $(-7+33*x-45*x^2+3*x^3)/(x-1)/(3*x-1)/(x^2-8*x+3)$  lgdogf  
A173391 5.56245  $[{a(n+3)-5*a(n+2)+7*a(n+1)-3*a(n), a(0) = 9, a(1) = 21, a(2) = 45},$  ogf]  
A173393 4.00994  $[{a(n+3)-14*a(n+2)+25*a(n+1)-12*a(n), a(0) = 22, a(1) = 164, a(2) = 1758},$  ogf]  
A173393 7.13534  $[-2*(6*x^2-72*x+11)/(12*x-1)/(x-1)^2$  ogf]  
A173393 7.90188  $-2*(-41+228*x+36*x^3-828*x^2)/(x-1)/(12*x-1)/(6*x^2-72*x+11)$  lgdogf  
A173432 12.1303  $-(1+2*x+2*x^5-x^4+4*x^3-4*x^2)/(-1+x)/(x+1)/(1+x^2)/(x^2-x+1)$  lgdogf  
A173432 12.2042  $[-(x^2+1)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A173432 16.9209  $[x^5-x^3-x^2+x+1$  ogf\_with\_Euler\_transform]  
A173434 10.7506  $-2*(-1+3*x^5-4*x^3+3*x^2)/(x-1)/(x+1)/(x^2-x+1)/(x^2+x-1)$  lgdogf  
A173434 11.6295  $[x^3/(x-1)/(x+1)/(x^2-x+1)/(x^2+x-1)$  ogf]  
A173435 10.4454  $[(19*x^3+36*x^2+26*x+8)/(2*x+1)/(2*x^2+2*x+1)$  ogf]  
A173435 10.5821  $-(6+24*x+30*x^4+56*x^3+51*x^2)/(2*x+1)/(2*x^2+2*x+1)/(19*x^3+36*x^2+26*x+8)$  lgdogf  
A173435 5.61243  $[{-a(n+4)-4*a(n+3)-6*a(n+2)-4*a(n+1), a(0) = 8, a(1) = -6, a(2) = 12, a(3) = -25},$  ogf]  
A173474 18.2413  $[-x*(x-2)/(x-1)^2$  ogf]  
A173474 30.3791  $x/(1+x)^{(1/2)}/(1+(1+x)^{(1/2)})$  revogf  
A173474 48.9441  $-(x-3)/(x-1)/(x-2)$  lgdogf  
A173474 8.84974  $[{a(n+3)-2*a(n+2)+a(n+1), a(0) = 0, a(1) = 2, a(2) = 3},$  ogf]  
A173495 10.9150  $[-(2*x^3-1)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A173495 11.3340  $-(1+2*x+2*x^6+4*x^7-3*x^4-3*x^2)/(-1+x)/(x^2+x+1)/(x^2+x-1)/(2*x^3-1)$  lgdogf  
A173502 23.4642  $-2*(2*x+1)/(2*x^2+1+2*x)$  lgdogf  
A173511 12.3106  $[-x*(3*x^2+9*x+4)/(x+1)/(x-1)^3$  ogf]  
A173511 16.0959  $-(17+40*x+6*x^3+33*x^2)/(x-1)/(x+1)/(3*x^2+9*x+4)$  lgdogf  
A173512 13.7957  $[(3*x^2+9*x+4)/(x-1)^2/(x+1)$  ogf]  
A173512 16.8471  $-(13+27*x+3*x^3+21*x^2)/(x-1)/(x+1)/(3*x^2+9*x+4)$  lgdogf  
A173512 7.38192  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 13, a(2) = 20},$  ogf]  
A173516 4.16649  $[{(-3*n-9)*a(n+1)+(3*n+13)*a(n+2)-a(n+3), a(0) = 1, a(1) = 7, a(2) = 64},$  ogf]  
A173521 3.30669  $[{a(n+3)-111*a(n+2)+1110*a(n+1)-1000*a(n), a(0) = 0, a(1) = 1010, a(2) = 110110},$  ogf]  
A173521 5.91479  $[10*x*(200*x-101)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A173535 13.1560  $[-(7*x-1)/(12*x-1)/(x-1)$  ogf]  
A173535 13.1860  $-1/24*(-6-13*x+(36+108*x+121*x^2)^{(1/2)})/(1+x)$  revogf  
A173535 15.1639  $-(11-24*x+24*x^2)/(x-1)/(2*x-1)/(12*x-1)$  lgdogf  
A173535 7.36110  $[{a(n+2)-13*a(n+1)+12*a(n), a(0) = 1, a(1) = 6},$  ogf]  
A173536 7.30859  $-x*(2+75*x^7+8*x^8+160*x^6+27*x+16*x^2+117*x^3+9*x^9+186*x^4+48*x^5)/(x-1)/(x^2+x+1)/(9*x^8+4*x^7+25*x^6+22*x^5+4*x^4+6*x^3+x^2+1)$  lgdogf  
A173536 8.66888  $[-(9*x^8+4*x^7+25*x^6+22*x^5+4*x^4+6*x^3+x^2+1)/(x-1)^3/(x^2+x+1)^3$  ogf]  
A173559 10.1117  $-(6+26*x+22*x^4+48*x^3+57*x^2)/(2*x-1)/(2*x^2+2*x+1)/(19*x^3+15*x^2+6*x-1)$  lgdogf  
A173559 5.71753  $[{-a(n+4)+2*a(n+2)+4*a(n+1), a(0) = 1, a(1) = -6, a(2) = -13, a(3) = -27},$  ogf]  
A173559 9.89901  $[(19*x^3+15*x^2+6*x-1)/(2*x-1)/(2*x^2+2*x+1)$  ogf]  
A173562 9.32153  $[-x*(3*x^3+2*x^2+2*x+1)/(x+1)/(x^2+1)/(x-1)^3$  ogf]  
A173562 9.85326  $-(4+10*x+14*x^5+20*x^4+20*x^3+19*x^2+9*x^6)/(x-1)/(x+1)/(x^2+1)/(3*x^3+2*x^2+2*x+1)$  lgdogf  
A173565 6.39608  $-3/(-1+x)$  lgdogf  
A173593 10.7337  $[-(4*x^4+2*x^3-5*x-3)/(x-1)/(x^2+x+1)/(2*x^2-1)$  ogf]  
A173593 7.68709  $-(5+12*x-26*x^4-6*x^3+13*x^2-24*x^5+8*x^8+8*x^7+4*x^6)/(x-1)/$

$(x^2+x+1)/(4x^4+2x^3-5x-3)/(2x^2-1)$  lgdogf  
A173598 10.6782 [  $-(5x^5+4x^4+2x^3+7x^2+8x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A173633 7.70208 [  $(x^8+x^6+x^3+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A173635 11.1551 [  $-(2x^4+4x^3+4x^2+x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A173635 7.00501 [  $-(1+8x+2x^8+12x^6+4x^5+8x^7+5x^4+8x^3+12x^2)/(-1+x)/(x^4+x^3+x^2+x+1)/(2x^4+4x^3+4x^2+x+1)$  lgdogf  
A173644 11.3959 [  $-(7x^{13}-x^9-3x^8-5x^7-21x^6-4x^5-8x^4-12x^3-x^2-3x-5)/(x-1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)^2$  ogf]  
A173645 20.5896 [x<sup>10</sup>-x<sup>9</sup>+x<sup>4</sup>+3 ogf\_with\_Euler\_transform]  
A173645 8.10687 [  $x^4*(x+1)*(x^4-x^3+x^2-x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A173650 10.4629 [  $-2*(1+4x-7x^4+2x^5+8x^2)/(x+1)/(x^2-2x-1)/(2x^3-4x^2-x+1)$  lgdogf  
A173650 10.6332 [  $-x^2*(x^2-2x-1)/(x+1)/(2x^3-4x^2-x+1)$  ogf]  
A173652 5.78495 [  $-x^3*(x^4-6x^3-x^2+4x+1)/(x^3+x^2-1)/(x^6-2x^5+9x^4-2x^3-8x^2+1)$  ogf]  
A173653 7.66328 [  $x^4*(x^4+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^4$  ogf]  
A173657 10.1335 [  $-(7-54x+102x^4-204x^3+157x^2)/(-1+x)/(-1+3x)/(2x-1)/(17x^2-17x+4)$  lgdogf  
A173657 11.7668 [  $-(17x^2-17x+4)/(x-1)/(3x-1)/(2x-1)$  ogf]  
A173657 6.60594 [  $\{-a(n+3)+6a(n+2)-11a(n+1)+6a(n), a(0) = 4, a(1) = 7, a(2) = 15\}$ , ogf]  
A173659 5.28306 [  $x^3*(x-1)*(x^4+4x^3-x^2-4x-1)/(x^6+5x^5-9x^4-3x^3+7x^2+x-1)/(x^3+x^2-1)$  ogf]  
A173661 10.3829 [  $-(2x^3-5x^2+4x+1)/(x-1)/(x+1)/(x^2-3x+1)$  ogf]  
A173661 8.08154 [  $-(7-10x+2x^6-10x^5+27x^4+12x^2-32x^3)/(x-1)/(x+1)/(x^2-3x+1)/(2x^3-5x^2+4x+1)$  lgdogf  
A173673 8.35328 [  $-x^3*(x^5+x^4+2x^3+x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^2-1)$  ogf]  
A173674 7.43303 [  $-x*(x+1)*(x^2+1)*(x^{12}-x^{11}+x^9-x^7+x^6+x-1)/(x-1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^4+x-1)/(x^8-x^7+x^5-x^4+x^3-x+1)$  ogf]  
A173686 10.5710 [  $-(2x^8+8x^7+5x^6+3x^5+2x^2+8x+2)/(x-1)/(x^2+1)/(x^2+x+1)/(x^4-x^2+1)$  ogf]  
A173690 22.7320 [  $-x^5+x^4+x^2+3$  ogf\_with\_Euler\_transform]  
A173690 9.08971 [  $x^2*(x+1)*(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A173690 9.85270 [  $-(3+3x+3x^6+3x^5+11x^4+6x^3+5x^7+6x^2)/(x-1)/(x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A173691 22.5205 [  $-x^7+x^5+x^3+3$  ogf\_with\_Euler\_transform]  
A173691 8.55274 [  $-(3+3x+3x^6+12x^5+5x^9+3x^8+3x^7+6x^4+3x^2+7x^3)/(x-1)/(x+1)/(x^4+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A173691 9.00516 [  $x^2*(x^4+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^4$  ogf]  
A173704 13.5995 [  $-x^2*(x^2+x+4)/(x+1)/(x-1)^5$  ogf]  
A173704 26.0931 [  $-(17+30x+4x^3+9x^2)/(x-1)/(x+1)/(x^2+x+4)$  lgdogf  
A173707 11.1727 [  $-x^2*(x^3+3x+2)/(x^2+x+1)/(x-1)^5$  ogf]  
A173707 17.5089 [  $-(11+20x+4x^5+4x^4+22x^3+29x^2)/(x-1)/(x^2+x+1)/(x^3+3x+2)$  lgdogf  
A173711 10.1351 [  $x^6/(x+1)/(x^4+1)/(x-1)^2$  ogf]  
A173711 17.0095 [  $-(1+3x+7x^5+x^4-4x^3)/(x-1)/(x+1)/(1+x^4)$  lgdogf  
A173712 10.2606 [  $(5x^3+5x^2+4x+1)/(x-1)/(x+1)/(10x^2-1)$  ogf]  
A173712 7.49363 [  $-(4-32x+175x^4+40x^3-59x^2+100x^5+50x^6)/(x-1)/(x+1)/(10x^2-1)/(5x^3+5x^2+4x+1)$  lgdogf  
A173714 6.06248 [  $-x*(x^3-x-1)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A173714 6.77125 [  $-(2+2x+x^6-4x^5+2x^7-7x^4+x^2)/(-1+x)/(x^2+x+1)/(x^2+x-1)/(x^3-x-1)$  lgdogf  
A173721 19.9418 [  $x^6-2x^5+2x^2+x+2$  ogf\_with\_Euler\_transform]  
A173721 6.52184 [  $x^2*(x+1)*(x^2-x+1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A173721 7.75132 [  $-(2+4x+6x^4+6x^3+8x^2+6x^5+5x^9+2x^8+4x^7+13x^6)/(x-1)/(x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A173722 13.0638 [  $-(2+2x+5x^5-3x^4+7x^3+3x^2)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)$

lgdogf  
 A173722 19.8463  $[-x^5+x^3+x^2+x+2 \text{ ogf\_with\_Euler\_transform}]$   
 A173722 8.09724  $[x^2*(x^2-x+1)/(x+1)/(x^2+1)/(x-1)^4 \text{ ogf}]$   
 A173731 10.1346  $[-x^2/(x-1)/(x^2-7*x+1)/(x^2-3*x+1) \text{ ogf}]$   
 A173731 10.2004  $-(11-66*x+5*x^4+99*x^2-44*x^3)/(x-1)/(x^2-7*x+1)/(x^2-3*x+1)$   
 lgdogf  
 A173734 11.5615  $[-2*(35*x-4)/(10*x-1)/(x-1) \text{ ogf}]$   
 A173734 12.0753  $-1/20*(-8-11*x+(64-104*x+81*x^2)^{(1/2)})/(7+x) \text{ revogf}$   
 A173734 12.9378  $-(9-80*x+350*x^2)/(-1+x)/(35*x-4)/(10*x-1) \text{ lgdogf}$   
 A173734 6.52884  $[{a(n+2)-11*a(n+1)+10*a(n), a(0) = 8, a(1) = 18}, \text{ ogf}]$   
 A173735 11.9004  $[-(29*x-3)/(10*x-1)/(x-1) \text{ ogf}]$   
 A173735 12.7146  $-1/20*(-4-11*x+(16-32*x+81*x^2)^{(1/2)})/(x+3) \text{ revogf}$   
 A173735 13.3201  $-(7-40*x+150*x^2)/(-1+x)/(15*x-2)/(10*x-1) \text{ lgdogf}$   
 A173735 6.80025  $[{a(n+2)-11*a(n+1)+10*a(n), a(0) = 3, a(1) = 4}, \text{ ogf}]$   
 A173736 11.5615  $[-5*(8*x-1)/(10*x-1)/(x-1) \text{ ogf}]$   
 A173736 12.3498  $-1/20*(-5-11*x+(25-50*x+81*x^2)^{(1/2)})/(4+x) \text{ revogf}$   
 A173736 13.5847  $-(3-20*x+80*x^2)/(-1+x)/(8*x-1)/(10*x-1) \text{ lgdogf}$   
 A173736 6.52884  $[{a(n+2)-11*a(n+1)+10*a(n), a(0) = 5, a(1) = 15}, \text{ ogf}]$   
 A173737 11.5615  $[-2*(25*x-3)/(10*x-1)/(x-1) \text{ ogf}]$   
 A173737 12.3498  $-1/20*(-6-11*x+(36-68*x+81*x^2)^{(1/2)})/(5+x) \text{ revogf}$   
 A173737 12.3498  $-2*(4-30*x+125*x^2)/(-1+x)/(25*x-3)/(10*x-1) \text{ lgdogf}$   
 A173737 6.52884  $[{a(n+2)-11*a(n+1)+10*a(n), a(0) = 6, a(1) = 16}, \text{ ogf}]$   
 A173764 11.5615  $[-3*(20*x-3)/(10*x-1)/(x-1) \text{ ogf}]$   
 A173764 12.3498  $-1/20*(-9-11*x+(81-42*x+81*x^2)^{(1/2)})/(6+x) \text{ revogf}$   
 A173764 12.6370  $-(13-60*x+200*x^2)/(-1+x)/(20*x-3)/(10*x-1) \text{ lgdogf}$   
 A173764 6.52884  $[{a(n+2)-11*a(n+1)+10*a(n), a(0) = 9, a(1) = 39}, \text{ ogf}]$   
 A173766 11.5615  $[-(40*x-7)/(10*x-1)/(x-1) \text{ ogf}]$   
 A173766 12.3498  $-(37-140*x+400*x^2)/(-1+x)/(40*x-7)/(10*x-1) \text{ lgdogf}$   
 A173766 12.6370  $-1/20*(-7-11*x+(49-6*x+81*x^2)^{(1/2)})/(4+x) \text{ revogf}$   
 A173766 6.52884  $[{a(n+2)-11*a(n+1)+10*a(n), a(0) = 7, a(1) = 37}, \text{ ogf}]$   
 A173768 11.5615  $[(30*x+1)/(10*x-1)/(x-1) \text{ ogf}]$   
 A173768 12.3498  $-(-41+20*x+300*x^2)/(-1+x)/(30*x+1)/(10*x-1) \text{ lgdogf}$   
 A173768 12.3498  $-1/20*(-1-11*x+(1+142*x+81*x^2)^{(1/2)})/(x-3) \text{ revogf}$   
 A173768 6.52884  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 1, a(1) = 41}, \text{ ogf}]$   
 A173770 11.5615  $[(10*x+3)/(10*x-1)/(x-1) \text{ ogf}]$   
 A173770 12.3498  $-(-43+60*x+100*x^2)/(-1+x)/(10*x+3)/(10*x-1) \text{ lgdogf}$   
 A173770 12.3498  $-1/20*(-3-11*x+(9+106*x+81*x^2)^{(1/2)})/(x-1) \text{ revogf}$   
 A173770 6.52884  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 3, a(1) = 43}, \text{ ogf}]$   
 A173772 11.5615  $[-(30*x-7)/(10*x-1)/(x-1) \text{ ogf}]$   
 A173772 12.3498  $-(47-140*x+300*x^2)/(-1+x)/(30*x-7)/(10*x-1) \text{ lgdogf}$   
 A173772 12.3498  $-1/20*(-7-11*x+(49+34*x+81*x^2)^{(1/2)})/(x+3) \text{ revogf}$   
 A173772 6.52884  $[{a(n+2)-11*a(n+1)+10*a(n), a(0) = 7, a(1) = 47}, \text{ ogf}]$   
 A173773 8.32219  $-(1+12*x+2*x^6+2*x^7+30*x^2+9*x^3+34*x^4+18*x^5)/(x-1)/(x+1)/(x^2+x+1)/(2*x^4-x^3+7*x^2-x+2) \text{ lgdogf}$   
 A173773 9.65456  $[(x+1)*(2*x^4-x^3+7*x^2-x+2)/(x-1)^2/(x^2+x+1)^2 \text{ ogf}]$   
 A173776 11.9004  $[-(46*x-5)/(10*x-1)/(x-1) \text{ ogf}]$   
 A173776 12.1618  $-1/4*(-5-11*x+(25-74*x+81*x^2)^{(1/2)})/(23+5*x) \text{ revogf}$   
 A173776 13.3201  $-(9-100*x+460*x^2)/(x-1)/(46*x-5)/(10*x-1) \text{ lgdogf}$   
 A173776 6.80025  $[{a(n+2)-11*a(n+1)+10*a(n), a(0) = 5, a(1) = 9}, \text{ ogf}]$   
 A173777 6.90168  $[(x^9-2*x^8-x^6+2*x^5-x^4+2*x^3-2)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x-1)^3 \text{ ogf}]$   
 A173785 12.5247  $-(9+44*x+x^4+54*x^2+12*x^3)/(x-1)/(x^4+4*x^3+14*x^2+4*x+1)$   
 lgdogf  
 A173785 7.63439  $[-2*(9*x^4+4*x^3+14*x^2-4*x+1)/(x-1)^5 \text{ ogf}]$   
 A173802 11.5615  $[(20*x+3)/(10*x-1)/(x-1) \text{ ogf}]$   
 A173802 12.0753  $-1/20*(-3-11*x+(9+146*x+81*x^2)^{(1/2)})/(-2+x) \text{ revogf}$   
 A173802 12.3498  $-(-53+60*x+200*x^2)/(-1+x)/(20*x+3)/(10*x-1) \text{ lgdogf}$   
 A173802 6.52884  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 3, a(1) = 53}, \text{ ogf}]$   
 A173804 11.5615  $[(40*x+1)/(10*x-1)/(x-1) \text{ ogf}]$   
 A173804 12.0753  $-1/20*(-1-11*x+(1+182*x+81*x^2)^{(1/2)})/(-4+x) \text{ revogf}$   
 A173804 12.3498  $-(-51+20*x+400*x^2)/(-1+x)/(40*x+1)/(10*x-1) \text{ lgdogf}$

A173804 6.52884 [ $\{-a(n+2)+11a(n+1)-10a(n), a(0) = 1, a(1) = 51\}$ , ogf]  
A173805 11.5615 [ $(50x+1)/(10x-1)/(x-1)$  ogf]  
A173805 12.0753  $-1/20*(-1-11x+(1+222x+81x^2)^{1/2})/(-5+x)$  revogf  
A173805 12.3498  $-(-61+20x+500x^2)/(-1+x)/(50x+1)/(10x-1)$  lgdogf  
A173805 6.52884 [ $\{-a(n+2)+11a(n+1)-10a(n), a(0) = 1, a(1) = 61\}$ , ogf]  
A173806 11.5615 [ $(60x+1)/(10x-1)/(x-1)$  ogf]  
A173806 12.0753  $-1/20*(-1-11x+(1+262x+81x^2)^{1/2})/(-6+x)$  revogf  
A173806 12.3498  $-(-71+20x+600x^2)/(-1+x)/(60x+1)/(10x-1)$  lgdogf  
A173806 6.52884 [ $\{-a(n+2)+11a(n+1)-10a(n), a(0) = 1, a(1) = 71\}$ , ogf]  
A173807 11.5615 [ $(40x+3)/(10x-1)/(x-1)$  ogf]  
A173807 12.0753  $-1/20*(-3-11x+(9+226x+81x^2)^{1/2})/(-4+x)$  revogf  
A173807 12.3498  $-(-73+60x+400x^2)/(-1+x)/(40x+3)/(10x-1)$  lgdogf  
A173807 6.52884 [ $\{-a(n+2)+11a(n+1)-10a(n), a(0) = 3, a(1) = 73\}$ , ogf]  
A173808 11.5615 [ $-(20x-9)/(10x-1)/(x-1)$  ogf]  
A173808 12.0753  $-(-79-180x+200x^2)/(-1+x)/(-9+20x)/(10x-1)$  lgdogf  
A173808 12.0753  $-1/20*(-9-11x+(81+118x+81x^2)^{1/2})/(x+2)$  revogf  
A173808 6.52884 [ $\{a(n+2)-11a(n+1)+10a(n), a(0) = 9, a(1) = 79\}$ , ogf]  
A173809 11.2608  $-(-3-9x+2x^4-9x^3+3x^2)/(x-1)/(x+1)/(x^3-4x^2+3x-2)$  lgdogf  
A173809 7.72495 [ $-(x^3-4x^2+3x-2)/(x+1)/(x-1)^4$  ogf]  
A173810 11.5615 [ $(70x+1)/(10x-1)/(x-1)$  ogf]  
A173810 12.0753  $-1/20*(-1-11x+(1+302x+81x^2)^{1/2})/(-7+x)$  revogf  
A173810 12.3498  $-(-81+20x+700x^2)/(-1+x)/(70x+1)/(10x-1)$  lgdogf  
A173810 6.52884 [ $\{-a(n+2)+11a(n+1)-10a(n), a(0) = 1, a(1) = 81\}$ , ogf]  
A173811 11.5615 [ $(50x+3)/(10x-1)/(x-1)$  ogf]  
A173811 12.0753  $-1/20*(-3-11x+(9+266x+81x^2)^{1/2})/(-5+x)$  revogf  
A173811 12.3498  $-(-83+60x+500x^2)/(-1+x)/(50x+3)/(10x-1)$  lgdogf  
A173811 6.52884 [ $\{-a(n+2)+11a(n+1)-10a(n), a(0) = 3, a(1) = 83\}$ , ogf]  
A173812 11.5615 [ $(10x+7)/(10x-1)/(x-1)$  ogf]  
A173812 12.0753  $-(-87+140x+100x^2)/(-1+x)/(10x+7)/(10x-1)$  lgdogf  
A173812 12.0753  $-1/20*(-7-11x+(49+194x+81x^2)^{1/2})/(x-1)$  revogf  
A173812 6.52884 [ $\{-a(n+2)+11a(n+1)-10a(n), a(0) = 7, a(1) = 87\}$ , ogf]  
A173813 10.9787  $-1/20*(-10-11x+(100+540x+81x^2)^{1/2})/(-8+x)$  revogf  
A173813 10.9859 [ $10*(8x+1)/(10x-1)/(x-1)$  ogf]  
A173813 12.8531  $-(-19+20x+80x^2)/(x-1)/(8x+1)/(10x-1)$  lgdogf  
A173813 6.18747 [ $\{-a(n+2)+11a(n+1)-10a(n), a(0) = 10, a(1) = 190\}$ , ogf]  
A173833 11.5615 [ $(20x+7)/(10x-1)/(x-1)$  ogf]  
A173833 11.8128  $-1/20*(-7-11x+(49+234x+81x^2)^{1/2})/(-2+x)$  revogf  
A173833 12.0753  $-(-97+140x+200x^2)/(-1+x)/(20x+7)/(10x-1)$  lgdogf  
A173833 6.52884 [ $\{-a(n+2)+11a(n+1)-10a(n), a(0) = 7, a(1) = 97\}$ , ogf]  
A173834 10.1717  $-2*(7x+2)*(15x^2+5x-2)/(x-1)/(10x-1)/(21x^2-4x+1)$  lgdogf  
A173834 4.92432 [ $\{a(n+3)-12a(n+2)+21a(n+1)-10a(n), a(0) = 1, a(1) = 8, a(2) = 96\}$ , ogf]  
A173834 8.78802 [ $-(21x^2-4x+1)/(10x-1)/(x-1)^2$  ogf]  
A173835 10.4498  $-2*(6-34x+95x^2+95x^3)/(-1+x)/(10x-1)/(19x^2-1)$  lgdogf  
A173835 4.70297 [ $\{a(n+3)-12a(n+2)+21a(n+1)-10a(n), a(0) = 1, a(1) = 12, a(2) = 104\}$ , ogf]  
A173835 9.09756 [ $(19x^2-1)/(10x-1)/(x-1)^2$  ogf]  
A173855 10.0391 [ $4*(x+1)*(2x^4-x^3+7x^2-x+2)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A173856 5.93934 [ $(x^7-x^2+1)*(x^7-x^5-1)/(x-1)/(x+1)/(x^4+1)/(x^8-x^4+1)$  ogf]  
A173857 12.6447 [ $(x^3-x^2-1)/(x-1)/(x^2+x+1)$  ogf]  
A173857 26.2886  $x*(2+x^3)/(x-1)/(x^2+x+1)/(x^3-x^2-1)$  lgdogf  
A173857 7.12947 [ $\{a(n+4)-a(n+1), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 0\}$ , ogf]  
A173858 14.5176  $x^2*(x^2+1)*(3x^4-4x^2+3)/(x-1)/(x+1)/(x^6-x^4-x^3+x^2-1)/(x^4+1)$  lgdogf  
A173858 7.39159 [ $(x^6-x^4-x^3+x^2-1)/(x^4+1)/(x-1)/(x+1)$  ogf]  
A173860 5.94672 [ $(x^{24}-x^{21}-x^{18}-x^{16}-x^{13}-x^{11}-x^9-x^4-1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)/(x^4+1)/(x^8-x^4+1)$  ogf]  
A173861 12.1585  $x^4*(x^2+1)*(5x^8-8x^6+8x^4-8x^2+5)/(x-1)/(x+1)/(x^{10}-x^8-x^5+x^2-1)/(x^8+1)$  lgdogf  
A173861 7.22167 [ $(x^{10}-x^8-x^5+x^2-1)/(x-1)/(x+1)/(x^8+1)$  ogf]  
A173862 11.3885 [ $\{a(n+3)-2a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]

A173862 17.6637 [  $-(x^2+x+1)/(2*x^3-1)$  ogf]  
A173862 18.4705  $-(1+2*x+2*x^4+4*x^3+6*x^2)/(2*x^3-1)/(x^2+x+1)$  lgdogf  
A173864 4.96683 [  $(x^{10}-x^8+x^6-x^5-x^4+x^2-1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)$  ogf]  
A173873 14.6404 [  $(12*x+1)/(2*x-1)/(x-1)$  ogf]  
A173873 16.4998  $-(-15+4*x+24*x^2)/(x-1)/(12*x+1)/(2*x-1)$  lgdogf  
A173873 16.9228  $-1/4*(-1-3*x+(1+54*x+x^2)^{(1/2)})/(-6+x)$  revogf  
A173873 8.11398 [  $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 15\}$ , ogf]  
A173911 4.61692 [  $1/(x^{18}-x^{17}+x^{16}-x^{15}-x^{12}+x^{11}-x^{10}+x^9-x^8+x^7-x^6-x^3+x^2-x+1)$  ogf]  
A173924 10.9142 [  $1/(x+1)/(x^2-x+1)/(x^{10}-x^7-x^5-x^3+1)$  ogf]  
A173924 9.23125  $-x^4*(-7*x^2-6*x-8*x^3-5+13*x^8)/(x+1)/(x^2-x+1)/(x^{10}-x^7-x^5-x^3+1)$  lgdogf  
A173925 14.6624  $-(-1-15*x^{14}-8*x^7+16*x^{15})/(-x^8+1-x+x^{16}-x^{15})$  lgdogf  
A173925 15.3090 [  $1/(x^{16}-x^{15}-x^8-x+1)$  ogf]  
A173936 3.83916 [  $\{(-8*n^3-60*n^2-144*n-112)*a(n+1)+(-8*n^2-40*n-46)*a(n+2)+(-2*n-3)*a(n+3), a(0) = 0, a(1) = -3, a(2) = 42\}$ , ogf]  
A173952 13.8325  $-1/9*(-5*x-16+4*(x+2)^{(1/2)}*(8+x)^{(1/2)})/x$  revogf  
A173952 16.9293 [  $32/(9*x-1)/(x-1)$  ogf]  
A173952 23.2386  $-2*(-5+9*x)/(9*x-1)/(x-1)$  lgdogf  
A173952 6.88984 [  $\{-a(n+2)+10*a(n+1)-9*a(n), a(0) = 32, a(1) = 320\}$ , ogf]  
A173960 12.7493 [  $-(9*x^2-22*x+21)/(x-1)^3$  ogf]  
A173960 20.7363  $-(41-26*x+9*x^2)/(x-1)/(9*x^2-22*x+21)$  lgdogf  
A173960 6.98439 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 21, a(1) = 41, a(2) = 69\}$ , ogf]  
A173961 17.0217  $-(9+25*x+13*x^2+x^3)/(x-1)/(x+1)/(x^2+4*x+1)$  lgdogf  
A173961 4.33688 [  $\{(n^2+2*n)*a(n+1)+(-2*n^2-10*n-39)*a(n+2)+(n^2+8*n+15)*a(n+3), a(0) = 4, a(1) = 36, a(2) = 140\}$ , ogf]  
A173961 9.66190 [  $4*(x+1)*(x^2+4*x+1)/(x-1)^4$  ogf]  
A173962 10.3204 [  $2*(7*x^2+10*x+7)/(x-1)^4$  ogf]  
A173962 18.6884  $-2*(19+22*x+7*x^2)/(x-1)/(7*x^2+10*x+7)$  lgdogf  
A173962 3.60713 [  $\{(-7*n-28)*a(n+4)+(29-3*n)*a(n+3)+(50+3*n)*a(n+2)+(21+7*n)*a(n+1), a(0) = 14, a(1) = 76, a(2) = 234, a(3) = 536\}$ , ogf]  
A173963 21.3719  $-3*(-9-2*x+x^2)/(x-1)/(x^2-2*x-5)$  lgdogf  
A173963 3.65295 [  $\{(131*n^2+545*n+566)*a(n+1)+(-744*n^2-4291*n-6507)*a(n+2)+(613*n^2+1818*n+1205)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 20\}$ , ogf]  
A173963 8.09460 [  $4*x^2*(x^2-2*x-5)/(x-1)^5$  ogf]  
A173965 16.9353  $-(9+5*x+8*x^2+2*x^3)/(x-1)/(x+1)/(2*x^2-x+2)$  lgdogf  
A173965 4.22172 [  $\{(-5*n^2-37*n-54)*a(n+1)+(10*n^2+50*n+6)*a(n+2)+(-5*n^2-13*n+6)*a(n+3), a(0) = 2, a(1) = 9, a(2) = 25\}$ , ogf]  
A173965 9.86895 [  $(x+1)*(2*x^2-x+2)/(x-1)^4$  ogf]  
A173989 12.1083 [  $x^2*(x^4-x^3+x^2+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A173989 12.8281  $-(1+3*x-x^6+3*x^5+x^4+9*x^3-x^2+x^7)/(x-1)/(x+1)/(x^2+1)/(x^4-x^3+x^2+1)$  lgdogf  
A173992 12.3891  $-1/2*(-1-2*x-x^2+(1+6*x^2-4*x^3+x^4)^{(1/2)})/(1+2*x^2)$  revogf  
A173993 9.88752  $-1/2*(-1-4*x-4*x^2+(1+4*x+12*x^2+12*x^3+4*x^4)^{(1/2)})/(1+2*x+3*x^2)$  revogf  
A173998 3.28800 [  $\{(-9*n-18)*a(n+1)+(23*n+67)*a(n+2)+(-15*n-54)*a(n+3)+(n+5)*a(n+4), a(0) = 3, a(1) = 13, a(2) = 83, a(3) = 673\}$ , ogf]  
A174002 10.1873 [  $5*x/(x-1)^6$  ogf]  
A174002 55.9442 [[6] ogf\_with\_Euler\_transform]  
A174002 7.12119 [  $\{(n+1)*a(n+2)+(-6-n)*a(n+1), a(0) = 0, a(1) = 5\}$ , ogf]  
A174002 90.3630  $-6/(x-1)$  lgdogf  
A174007 12.2384 [  $-(x^3+2*x^2-2)/(x-1)^2/(x+1)^2$  ogf]  
A174007 18.8050  $-x*(-4+x^3+4*x^2+3*x)/(x-1)/(x+1)/(x^3+2*x^2-2)$  lgdogf  
A174012 15.6870 [  $3*(2*x^2+x+2)/(x-1)^2/(x+1)^2$  ogf]  
A174012 19.5005  $-(1+12*x+3*x^2+4*x^3)/(x-1)/(x+1)/(2+x+2*x^2)$  lgdogf  
A174012 7.64238 [  $\{(n+4)*a(n+1)+(-n-2)*a(n+3), a(0) = 6, a(1) = 3, a(2) = 18\}$ , ogf]  
A174013 9.51384  $1/2/(-1+x+x^2)*(-1-3*x-x^2+(1+2*x+11*x^2+14*x^3+5*x^4)^{(1/2)})$  revogf

A174015 15.1923  $1/2+3/2*x+1/2*x^2-1/2*(1+2*x+7*x^2+6*x^3+x^4)^{(1/2)}$  revogf  
A174016 12.5808  $1/2+2*x+x^2-1/2*(1+4*x+16*x^2+16*x^3+4*x^4)^{(1/2)}$  revogf  
A174029 11.5021  $[3*(3*x^3+5*x^2+6*x+1)/(x-1)^2/(x+1)^2$  ogf]  
A174041 14.0281  $[-(3*x^2-x-8)/(x-1)^2/(x+1)$  ogf]  
A174041 19.0759  $-(-9-19*x+3*x^3+x^2)/(x-1)/(x+1)/(3*x^2-x-8)$  lgdogf  
A174041 7.57272  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 8, a(1) = 9, a(2) = 14},$   
ogf]  
A174091 11.9438  $[(x^3-x+2)/(x^2+1)/(x-1)^2$  ogf]  
A174091 67.2750  $-8/(-1+16*x)$  lgdegf  
A174091 73.3910  $-x*(-1+4*x)$  revegfg  
A174114 12.6423  $-(2+14*x+x^5+3*x^4+11*x^2+17*x^3)/(x-1)/(x+1)/(x^4+x^3+4*x^2+x$   
 $+1)$  lgdogf  
A174114 9.00516  $[-(x^4+x^3+4*x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A174120 10.5789  $-(-2+14*x-35*x^2+27*x^3+4*x^4)/(x-1)/(2*x-1)/(x^3+4*x^2-4*x+1)$   
lgdogf  
A174120 7.69687  $[-(x^3+4*x^2-4*x+1)/(2*x-1)/(x-1)^4$  ogf]  
A174121 10.9666  $-(4-12*x+12*x^4+7*x^2-3*x^3)/(x-1)/(2*x-1)/(3*x^3-2*x^2+2*x-1)$   
lgdogf  
A174121 9.00251  $[(3*x^3-2*x^2+2*x-1)/(2*x-1)/(x-1)^4$  ogf]  
A174132 13.6624  $[(x-3)/(x+1)/(3*x-1)$  ogf]  
A174132 14.3317  $1/2/(-1+3*x)*(-3-2*x+(9+8*x+16*x^2)^{(1/2)})$  revogf  
A174132 16.7203  $-(-5-18*x+3*x^2)/(3*x-1)/(x-3)/(x+1)$  lgdogf  
A174132 7.49763  $[{-a(n+2)+2*a(n+1)+3*a(n), a(0) = 3, a(1) = 5},$  ogf]  
A174138 6.79732  $[(6*x^10+x^9+x^8+x^7+x^6+6*x^5+x^4+x^3+x^2+x+5)/(x+1)/$   
 $(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A174139 5.21821  $[$   
 $x*(x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+6*x^9+x^8+x^7+x^6+x^5+6*x^4+x^3+x^2+x+1)/(x^2+x+1)/$   
 $(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf]  
A174140 5.09879  $[$   
 $(x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+10)/(x^2+x+1)/$   
 $(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf]  
A174141 7.07977  $[x*(16*x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/$   
 $(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A174169 16.1975  $-1/6*(-1-x-x^2+(1+2*x-9*x^2+2*x^3+x^4)^{(1/2)})/x$  revogf  
A174171 13.8145  $1/4/x*(-1-x-x^2+(1+2*x+11*x^2+2*x^3+x^4)^{(1/2)})$  revogf  
A174183 15.3835  $[-(9*x+1)/(x-1)$  egf]  
A174183 3.98034  $[{(9*n^2+9*n)*a(n)+(n^2-5*n+4)*a(n+1)+(-n-2)*a(n+2), a(0) = 1,$   
 $a(1) = 10},$  ogf]  
A174183 32.7768  $-10/(1+9*x)/(x-1)$  lgdegf  
A174191 12.1034  $[-(x+1)*(2*x-1)/(x-1)/(x^2+2*x-1)$  ogf]  
A174191 12.9388  $-2*(1-3*x+x^4+2*x^2+x^3)/(x-1)/(2*x-1)/(x+1)/(x^2+2*x-1)$  lgdogf  
A174191 6.59204  $[{-a(n+3)+3*a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 3},$   
ogf]  
A174192 5.35574  $[{-a(n+3)+3*a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 7},$   
ogf]  
A174192 9.83349  $[(2*x^2-x+1)/(x-1)/(x^2+2*x-1)$  ogf]  
A174215 8.44172  $[$   
 $(30*x^55-30*x^54+x^25+3*x^23-4*x^22+12*x^19-12*x^18+x^7+4*x^6-5*x^5+x-2)/(x-1)$   
ogf]  
A174227 13.4630  $1/20+1/2*x-1/20*(1-20*x+140*x^2)^{(1/2)}$  revogf  
A174239 16.5692  $[(x^3+x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A174239 24.9385  $-x*(x+2)*(x^2+3)/(x-1)/(x+1)/(x^3+x^2+1)$  lgdogf  
A174256 12.9034  $[8*x^3*(2*x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A174256 14.8689  $-(2+4*x+8*x^4+13*x^3+9*x^2)/(x-1)/(2*x+1)/(x+1)/(x^2+x+1)$  lgdogf  
A174257 13.7917  $[x^3*(2*x+1)/(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A174257 15.6514  $-(-2+4*x+9*x^2+8*x^4+13*x^3)/(x-1)/(2*x+1)/(x+1)/(x^2+x+1)$  lgdogf  
A174296 10.3260  $[{-a(n+4)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 3},$  ogf]  
A174296 17.3911  $[-(x^3+x^2+2*x+1)/(x-1)/(x+1)$  ogf]  
A174296 21.1452  $-(-2-4*x+x^4-5*x^2)/(x-1)/(x+1)/(x^3+x^2+2*x+1)$  lgdogf  
A174312 10.5488  $[{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 32},$  ogf]  
A174312 106.651  $-2/(x-1)$  lgdogf

A174312 22.7632 [  $32x/(x-1)^2$  ogf]  
A174312 35.5503  $2x/(4+(16+2x)^{1/2})^2$  revogf  
A174312 66.2034 [[2] ogf\_with\_Euler\_transform]  
A174316 10.5791 [  $-(4x^5-2x^4-x^3+2x-1)/(2x-1)/(x-1)$  ogf]  
A174316 9.06141  $(-1+4x-56x^5+36x^4-2x^3+24x^6-7x^2)/(x-1)/(2x-1)/(4x^5-2x^4-x^3+2x-1)$  lgdogf  
A174317 10.0039  $(-2+10x-29x^2+4x^5-21x^4+40x^3)/(x-1)/(2x-1)/(x^4-6x^3+3x^2+x-1)$  lgdogf  
A174317 10.6416 [  $-(x^4-6x^3+3x^2+x-1)/(2x-1)/(x-1)$  ogf]  
A174317 5.78163 [{a(n+5)-3a(n+4)+2a(n+3), a(0) = 1, a(1) = 2, a(2) = 1, a(3) = 5, a(4) = 12}], ogf]  
A174318 3.37213 [{(n^2+5n+6)\*a(n+1)+(-n-3)\*a(n+2)+(-n^2-5n-4)\*a(n+3)+(n+1)\*a(n+4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3}], ogf]  
A174325 5.12734 [  $-3x*(7x^{10}+5x^9+39x^8+4x^7+74x^6+18x^5+58x^4+2x^3+15x^2+x-1)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
A174333 12.4240 [  $-61x*(x+1)/(x-1)^3$  ogf]  
A174333 34.6407 [[4-x] ogf\_with\_Euler\_transform]  
A174333 36.1092  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A174333 6.42997 [{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 61, a(2) = 244}], ogf]  
A174334 12.5464 [  $-73x*(x+1)/(x-1)^3$  ogf]  
A174334 34.9820 [[4-x] ogf\_with\_Euler\_transform]  
A174334 36.4703  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A174334 6.49332 [{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 73, a(2) = 292}], ogf]  
A174335 15.4941  $-2*(4+7x+x^2)/(x-1)/(x^2+4x+1)$  lgdegf  
A174335 6.63567 [  $16x*(x^2+4x+1)/(x-1)^4$  egf]  
A174337 11.8110 [  $-94x*(x+1)/(x-1)^3$  ogf]  
A174337 32.9127 [[4-x] ogf\_with\_Euler\_transform]  
A174337 34.3091  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A174337 6.11271 [{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 94, a(2) = 376}], ogf]  
A174338 12.3297 [  $-97x*(x+1)/(x-1)^3$  ogf]  
A174338 34.3684 [[4-x] ogf\_with\_Euler\_transform]  
A174338 35.8352  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A174338 6.38118 [{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 97, a(2) = 388}], ogf]  
A174339 12.1605 [  $-109x*(x+1)/(x-1)^3$  ogf]  
A174339 35.0456 [[4-x] ogf\_with\_Euler\_transform]  
A174339 36.5519  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A174339 6.45034 [{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 109, a(2) = 436}], ogf]  
A174347 30.1376  $x*(x-1)/(-1-2x+x^2)$  revogf  
A174347 7.53441  $-1/2*(1+2*(1-8x+8x^2)^{1/2})x-(1-8x+8x^2)^{1/2})/(x-1)/x/(1-8x+8x^2)^{1/2}$  lgdogf  
A174353 10.1152 [  $(x^48-x^40+x^38-x^36+x^10-x^8+x^2-x-1)/(x-1)$  ogf]  
A174371 12.2700 [  $-(49x^2+22x+1)/(x-1)^3$  ogf]  
A174371 18.9589  $-(25+142x+49x^2)/(x-1)/(49x^2+22x+1)$  lgdogf  
A174371 6.72183 [{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 25, a(2) = 121}], ogf]  
A174390 14.3293  $-(1-12x+4x^3+3x^2)/(x-1)/(x+1)/(2x^2+x-4)$  lgdogf  
A174390 9.15279 [  $-x*(2x^2+x-4)/(x-1)^2/(x+1)^2$  ogf]  
A174395 14.7120 [  $-2x/(x-1)/(3x-1)/(2x-1)/(x+1)$  ogf]  
A174396 10.6242 [  $(x^4+3x^3+x^2+3x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A174396 6.92538  $-(4+6x+7x^6+7x^5+x^7+17x^4+16x^3+14x^2)/(-1+x)/(x+1)/(1+x^2)/(x^4+3x^3+x^2+3x+1)$  lgdogf  
A174398 10.6969 [  $(4x^3-x^2+2x+1)/(x^2+1)/(x-1)^2$  ogf]  
A174398 10.8781  $-2*(x^2-x+2)*(2x^3+3x^2+1)/(x-1)/(x^2+1)/(4x^3-x^2+2x+1)$  lgdogf  
A174398 4.20236 [{(n+3)\*a(n+1)+(-n-2)\*a(n+2)+(n+3)\*a(n+3)+(-n-2)\*a(n+4), a(0) = 1}



1, a(1) = 4, a(2) = 5, a(3) = 8}], ogf]  
A174399 13.3690  $1/2/(-2+x)*(-1-x-x^2+(1-6*x+7*x^2+2*x^3+x^4)^{(1/2)})$  revogf  
A174403 13.2697  $1/4/x*(-1-2*x-x^2+(1+4*x+14*x^2+4*x^3+x^4)^{(1/2)})$  revogf  
A174416 11.0560  $(2+2*x+2*x^4-4*x^3-39*x^20+20*x^19+19*x^21)/(-1+x)/(x^{21}-x^{20}+x^4-x^2-1)$  lgdogf  
A174438 11.3072  $[x*(x+2)*(x^2+x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A174443 20.4808  $1/16/x*(-1+4*x+(1-8*x+48*x^2)^{(1/2)})$  revogf  
A174443 21.5722  $[-x/(8*x^2-4*x-1)$  ogf]  
A174443 30.7211  $-4*(4*x-1)/(8*x^2-1-4*x)$  lgdogf  
A174443 8.78868  $[{a(n+2)+4*a(n+1)-8*a(n), a(0) = 0, a(1) = 1},$  ogf]  
A174455 20.9318  $[-(-x^3+2*x^2)/(x-1)$  ogf\_with\_Euler\_transform]  
A174469 12.1673  $2*x^3*(4-8*x+4*x^2+x^5)/(x^2-x+1)/(x^3+x^2-1)/(3*x^5-2*x^4+x-1)$  lgdogf  
A174469 12.3719  $[(3*x^5-2*x^4+x-1)/(x^2-x+1)/(x^3+x^2-1)$  ogf]  
A174470 7.23652  $-3*(1+3*x+27*x^3+81*x^4+729*x^6+2187*x^7+6561*x^8)/(-1+3*x)/(9*x^2+3*x+1)/(729*x^6+27*x^3+1)$  lgdogf  
A174474 15.9102  $-3*(-1+x+x^3-5*x^2)/(x-1)/(x+1)/(x^2-4*x+1)$  lgdogf  
A174474 8.04868  $[x^2*(x^2-4*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A174500 7.13005  $-2*(1+x-8*x^7+x^9+8*x^2-8*x^3-20*x^4+18*x^5+3*x^8)/(x-1)/(x+1)/(x^4+2*x^3-4*x^2+2*x+1)/(x^4-4*x^2+1)$  lgdogf  
A174500 8.98593  $[-(x^4+2*x^3-4*x^2+2*x+1)/(x-1)/(x+1)/(x^4-4*x^2+1)$  ogf]  
A174501 5.91705  $-2*(2+x-56*x^4-12*x^3+x^9+6*x^8-12*x^7-4*x^6+38*x^5+20*x^2)/(x-1)/(x+1)/(x^2+2*x-1)/(x^2-2*x-1)/(x^4+4*x^3-6*x^2+4*x+1)$  lgdogf  
A174501 9.81473  $[-(x^4+4*x^3-6*x^2+4*x+1)/(x-1)/(x+1)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A174502 6.30995  $-2*(3+x-12*x^6+66*x^5+x^9+9*x^8-16*x^7-108*x^4+36*x^2-16*x^3)/(x-1)/(x+1)/(x^4+6*x^3-8*x^2+6*x+1)/(x^4-8*x^2+1)$  lgdogf  
A174502 8.82253  $[-(x^4+6*x^3-8*x^2+6*x+1)/(x-1)/(x+1)/(x^4-8*x^2+1)$  ogf]  
A174503 5.62482  $-2*(4+x-20*x^7-24*x^6+102*x^5+56*x^2-20*x^3-176*x^4+12*x^8+x^9)/(x-1)/(x+1)/(x^4+8*x^3-10*x^2+8*x+1)/(x^4-10*x^2+1)$  lgdogf  
A174503 7.86714  $[-(x^4+8*x^3-10*x^2+8*x+1)/(x-1)/(x+1)/(x^4-10*x^2+1)$  ogf]  
A174504 6.65958  $[-(x^2-x+1)*(x^6-2*x^5-2*x^4-2*x^3+6*x^2+2*x+1)/(x-1)/(x^2+x+1)/(x^6-6*x^3+1)$  ogf]  
A174505 7.30474  $[(x^9-x^7-5*x^6+2*x^5+3*x^4+6*x^3-3*x^2-x-3)/(x-1)/(x^2+x+1)/(x^6-3*x^3+1)$  ogf]  
A174506 5.44200  $[-(x^6-4*x^5-4*x^4-2*x^3+20*x^2+4*x+1)*(x^2-x+1)/(x-1)/(x^2+x+1)/(x^2-3*x+1)/(x^4+3*x^3+8*x^2+3*x+1)$  ogf]  
A174507 5.76436  $[-(x^2-x+1)*(x^6-6*x^5-6*x^4-2*x^3+42*x^2+6*x+1)/(x-1)/(x^2+x+1)/(x^6-38*x^3+1)$  ogf]  
A174508 5.78899  $[-(x^2-x+1)*(x^6-8*x^5-8*x^4-2*x^3+72*x^2+8*x+1)/(x-1)/(x^2+x+1)/(x^6-66*x^3+1)$  ogf]  
A174509 4.88023  $[-(x^2-x+1)*(x^6-10*x^5-10*x^4-2*x^3+110*x^2+10*x+1)/(x-1)/(x^2+x+1)/(x^6-102*x^3+1)$  ogf]  
A174510 6.83164  $[-(x^2-x+1)*(x^6-2*x^5-2*x^4-2*x^3+4*x^2+2*x+1)/(x-1)/(x^2+x+1)/(x^6-4*x^3+1)$  ogf]  
A174515 12.3498  $-(25-306*x+864*x^2)/(6*x-1)/(-1+4*x)/(9*x-1)$  lgdogf  
A174515 9.73598  $[1/(9*x-1)/(4*x-1)/(6*x-1)^2$  ogf]  
A174522 20.3139  $[1/(x-1)/(x^5+x^4-1)$  ogf]  
A174522 23.3342  $-(-1-4*x^3+6*x^5)/(x-1)/(x^5+x^4-1)$  lgdogf  
A174529 9.61949  $[-(3*x^5+25*x^4-22*x^3-8*x^2-5*x-3)/(x-1)/(x^2+x+1)/(5*x^3-1)$  ogf]  
A174532 14.0159  $[x^5/(x-1)/(x^5-x-1)$  ogf]  
A174532 21.0239  $-x*(-2+6*x^4-5*x^3)/(x-1)/(x^5-x-1)$  lgdogf  
A174542 16.3584  $-2*(-1-3*x-2*x^6+3*x^5+x^7+x^4+2*x^2+3*x^3)/(x-1)/(x^3-x^2+x+1)/(x^4+4*x^2-1)$  lgdogf  
A174542 9.13206  $[(x^3-x^2+x+1)/(x-1)/(x^4+4*x^2-1)$  ogf]  
A174549 6.59232  $[{(4*n^2+22*n+28)*a(n+1)-a(n+2), a(0) = 3, a(1) = 30},$  ogf]  
A174562 12.2687  $[(x^3-3*x^2-3*x-2)/(x^4+x^2-1)$  ogf]  
A174562 12.4124  $-(-3-10*x+x^6-6*x^5-8*x^3-10*x^4)/(x^3-3*x^2-3*x-2)/(x^4+x^2-1)$  lgdogf  
A174565 14.3716  $[-(3*x+1)/(x-1)/(4*x^2+3*x+1)$  ogf]

A174565 16.3364  $-(1-2*x+24*x^3+9*x^2)/(x-1)/(3*x+1)/(4*x^2+3*x+1)$  lgdogf  
A174565 6.80084  $[{-a(n+3)-2*a(n+2)-a(n+1)+4*a(n), a(0) = 1, a(1) = 1, a(2) = -3}]$ , ogf]  
A174571 7.51129  $-(-1-8*x+3*x^8-16*x^3-3*x^2-2*x^4+8*x^9-5*x^6+16*x^7)/(x-1)/(x+1)/(1+x^2)/(4*x^6+x^5+4*x^4-x^3-4*x^2-x-4)$  lgdogf  
A174571 8.62342  $[-x*(4*x^6+x^5+4*x^4-x^3-4*x^2-x-4)/(x-1)^2/(x+1)^2/(x^2+1)^2]$  ogf]  
A174577 11.5706  $-x*(-2+7*x^5+10*x^8-8*x^6-3*x)/(x-1)/(x+1)/(x^2+1)/(x^6-x^4+x^3+x^2-1)$  lgdogf  
A174577 14.1698  $[1/(x-1)/(x+1)/(x^2+1)/(x^6-x^4+x^3+x^2-1)]$  ogf]  
A174578 13.6039  $[-1/(x^14+x^13-x^10+x^4+x-1)]$  ogf]  
A174578 13.8074  $-(1-10*x^9+14*x^13+13*x^12+4*x^3)/(x^4-1+x+x^13-x^10+x^14)$  lgdogf  
A174592 4.64937  $[{-a(n+3)+15*a(n+2)-15*a(n+1)+a(n), a(0) = 2, a(1) = 46, a(2) = 658}]$ , ogf]  
A174592 8.49962  $[2*(x^2-8*x-1)/(x-1)/(x^2-14*x+1)]$  ogf]  
A174592 8.59102  $-(-23+32*x+102*x^2-16*x^3+x^4)/(-1+x)/(x^2-14*x+1)/(x^2-8*x-1)$  lgdogf  
A174595 12.0789  $[-x^2*(4*x+1)*(x^2+1)/(x+1)^3/(x-1)^3]$  ogf]  
A174595 17.9660  $-4*(1+2*x+8*x^2+x^3+3*x^4)/(x-1)/(4*x+1)/(x+1)/(1+x^2)$  lgdogf  
A174618 10.8838  $[-x*(x^3-x^2+1)/(x^4-x^2+1)/(x^4+x^2-1)]$  ogf]  
A174618 8.64088  $-x*(2-6*x^8+3*x-4*x^2-2*x^3+2*x^4-x^5+8*x^6+5*x^9)/(x^4+x^2-1)/(x^3-x^2+1)/(x^4-x^2+1)$  lgdogf  
A174619 12.9003  $[-(x+1)*(x^3-x^2+1)/(x^4-x^2+1)/(x^4+x^2-1)]$  ogf]  
A174634 13.1884  $1/6*(-1-3*x+((1+3*x)*(1+15*x))^(1/2))/(1+3*x)$  revogf  
A174634 15.6179  $-3*(2+6*x+9*x^2)/(3*x+1)/(9*x^2+3*x-1)$  lgdogf  
A174634 16.2434  $[-(3*x+1)/(9*x^2+3*x-1)]$  ogf]  
A174634 8.91405  $[{a(n+2)-3*a(n+1)-9*a(n), a(0) = 1, a(1) = 6}]$ , ogf]  
A174642 19.2572  $-(5+2*x^3+3*x^2)/(-1+x)/(x+1)/(x^2-x+1)$  lgdogf  
A174642 9.02487  $[-12*x^7*(x+1)*(x^2-x+1)/(x-1)^5]$  ogf]  
A174644 4.45225  $[4*x^7*(x^9+x^8+7*x^7-6*x^6+5*x^5+10*x^4+x^3+6*x^2+4*x+1)/(x-1)^6]$  ogf]  
A174647 10.4349  $-64*x^3*(-1+2*x+2*x^2)/(2*x+1)/(4*x^2-2*x+1)/(8*x^3+4*x^2-2*x+1)$  lgdogf  
A174647 6.75730  $[-4*(8*x^3+4*x^2-2*x+1)/(2*x+1)/(4*x^2-2*x+1)^2]$  ogf]  
A174650 8.99797  $[1/(x-1)/(x+1)/(x^18+x^17+x^13+x^11+x^9+x^7+x^5+x-1)]$  ogf]  
A174654 3.62923  $[(x+1)*(x^3-4*x^2+2*x-1)*(x-1)^2/(x^3-2*x^2+4*x-1)^3]$  ogf]  
A174655 10.0019  $-(5+15*x+2*x^5+23*x^2+11*x^3+8*x^4)/(x-1)/(x+1)/(x^5-x^4+3*x^3+2*x^2+2*x+1)$  lgdogf  
A174655 7.57421  $[(x^5-x^4+3*x^3+2*x^2+2*x+1)/(x+1)/(x-1)^4]$  ogf]  
A174679 5.53481  $[-x*(9*x^10+4*x^9+25*x^8+x^7+22*x^6+4*x^5+6*x^4+x^3+x^2+1)/(x-1)^3/(x+1)^3/(x^2+1)^3]$  ogf]  
A174685 5.76699  $[x*(x^3+435*x^2-169*x-75)/(x-1)/(x^2-34*x+1)/(x^2+34*x+1)]$  ogf]  
A174686 3.99522  $[60*(2*x^6+61*x^5+368*x^4+650*x^3+368*x^2+61*x+2)/(x-1)^10]$  ogf]  
A174687 3.77608  $[{(-81*n^2-243*n-180)*a(n+1)+(39*n^2+204*n+264)*a(n+2)+(-4*n^2-26*n-42)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 9}]$ , ogf]  
A174709 10.1961  $-2*(1+x+x^2+x^3+x^4+4*x^5)/(-1+x)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A174709 10.4159  $[-x^6/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3]$  ogf]  
A174723 11.1407  $[(2*x^2+x+1)/(x-1)^4]$  ogf]  
A174723 23.5580  $-(5+7*x+4*x^2)/(x-1)/(2*x^2+x+1)$  lgdogf  
A174723 4.22368  $[{(-n-4)*a(n+4)+5*a(n+3)+(5-n)*a(n+2)+(6+2*n)*a(n+1), a(0) = 1, a(1) = 5, a(2) = 16, a(3) = 38}]$ , ogf]  
A174724 13.3444  $[-(x^9+x^2+x-4)/(x-1)^2]$  ogf]  
A174724 20.4438  $(7-3*x-9*x^8+7*x^9)/(x-1)/(x^9+x^2+x-4)$  lgdogf  
A174737 14.9170  $[-(3*x-2)/(x^2-x+1)]$  ogf]  
A174737 22.2389  $-1/2*(-x-2+(4-8*x-3*x^2)^(1/2))/(x+3)$  revogf  
A174737 24.9345  $-(-1-4*x+3*x^2)/(3*x-2)/(x^2-x+1)$  lgdogf  
A174737 8.18613  $[{-a(n+2)+a(n+1)-a(n), a(0) = 2, a(1) = -1}]$ , ogf]  
A174738 10.8851  $-(2+2*x+2*x^2+2*x^3+2*x^4+2*x^5+9*x^6)/(-1+x)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf

A174738 13.3423 [  $-x^7/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A174745 11.0293 [  $12*x/(x^2-110*x+1)$  ogf]  
A174745 18.0615  $-2*(-55+x)/(x^2+1-110*x)$  lgdogf  
A174745 5.25204 [  $\{a(n+2)-110*a(n+1)+a(n), a(0) = 0, a(1) = 12\}$ , ogf]  
A174745 8.49954  $-(-55*x-6+2*(28*x+3)^{(1/2)}*(1+9*x)^{(1/2)}*3^{(1/2)})/x$  revogf  
A174746 8.89637  $-2*(760-x+760*x^2)/(1520*x-1)/(x^2-3040*x+1)$  lgdogf  
A174747 10.0995 [  $-(73*x-1)/(x^2-146*x+1)$  ogf]  
A174747 12.1671  $-(73-2*x+73*x^2)/(73*x-1)/(x^2-146*x+1)$  lgdogf  
A174747 5.70325 [  $\{a(n+2)-146*a(n+1)+a(n), a(0) = 1, a(1) = 73\}$ , ogf]  
A174748 12.9986  $-1/2*(-1-46*x+(1+2112*x^2)^{(1/2)})/(23+x)$  revogf  
A174748 13.0961 [  $-(23*x-1)/(x^2-46*x+1)$  ogf]  
A174748 13.6828  $-(23-2*x+23*x^2)/(23*x-1)/(x^2-46*x+1)$  lgdogf  
A174748 7.32756 [  $\{a(n+2)-46*a(n+1)+a(n), a(0) = 1, a(1) = 23\}$ , ogf]  
A174749 10.5562 [  $-(35*x-1)/(x^2-70*x+1)$  ogf]  
A174749 5.90646 [  $\{a(n+2)-70*a(n+1)+a(n), a(0) = 1, a(1) = 35\}$ , ogf]  
A174750 10.7247 [  $-(37*x-1)/(x^2-74*x+1)$  ogf]  
A174750 12.9870  $-(37-2*x+37*x^2)/(37*x-1)/(x^2-74*x+1)$  lgdogf  
A174750 6.00071 [  $\{a(n+2)-74*a(n+1)+a(n), a(0) = 1, a(1) = 37\}$ , ogf]  
A174751 11.5236 [  $-(25*x-1)/(x^2-50*x+1)$  ogf]  
A174751 13.2694  $-1/2*(-1-50*x+(1+2496*x^2)^{(1/2)})/(25+x)$  revogf  
A174751 13.9678  $-(25-2*x+25*x^2)/(25*x-1)/(x^2-50*x+1)$  lgdogf  
A174751 6.44774 [  $\{a(n+2)-50*a(n+1)+a(n), a(0) = 1, a(1) = 25\}$ , ogf]  
A174752 8.70980  $-(2049-2*x+2049*x^2)/(2049*x-1)/(x^2-4098*x+1)$  lgdogf  
A174753 7.11708  $-2*(1741-x+1741*x^2)/(3482*x-1)/(x^2-6964*x+1)$  lgdogf  
A174755 11.4073  $-2*(24-x+24*x^2)/(48*x-1)/(x^2-96*x+1)$  lgdogf  
A174755 5.28257 [  $\{a(n+2)-96*a(n+1)+a(n), a(0) = 1, a(1) = 48\}$ , ogf]  
A174755 9.44119 [  $-(48*x-1)/(x^2-96*x+1)$  ogf]  
A174756 11.1148  $-2*(25-x+25*x^2)/(50*x-1)/(x^2-100*x+1)$  lgdogf  
A174756 5.22042 [  $\{a(n+2)-100*a(n+1)+a(n), a(0) = 1, a(1) = 50\}$ , ogf]  
A174756 9.24450 [  $-(50*x-1)/(x^2-100*x+1)$  ogf]  
A174757 5.89175  $-1/2*(-1-132498*x+(1+17555720000*x^2)^{(1/2)})/(66249+x)$  revogf  
A174758 10.3219  $-(89-2*x+89*x^2)/(89*x-1)/(x^2-178*x+1)$  lgdogf  
A174758 4.85288 [  $\{a(n+2)-178*a(n+1)+a(n), a(0) = 1, a(1) = 89\}$ , ogf]  
A174758 8.59365 [  $-(89*x-1)/(x^2-178*x+1)$  ogf]  
A174759 10.5904  $-(151-2*x+151*x^2)/(151*x-1)/(x^2-302*x+1)$  lgdogf  
A174759 5.28766 [  $\{a(n+2)-302*a(n+1)+a(n), a(0) = 1, a(1) = 151\}$ , ogf]  
A174759 9.28039 [  $-(151*x-1)/(x^2-302*x+1)$  ogf]  
A174761 4.96117 [  $\{a(n+2)-1060*a(n+1)+a(n), a(0) = 1, a(1) = 530\}$ , ogf]  
A174761 8.63244 [  $-(530*x-1)/(x^2-1060*x+1)$  ogf]  
A174761 9.17457  $-1/2*(-1-1060*x+(1+1123596*x^2)^{(1/2)})/(x+530)$  revogf  
A174763 11.7067  $-(63-2*x+63*x^2)/(63*x-1)/(x^2-126*x+1)$  lgdogf  
A174763 5.49201 [  $\{a(n+2)-126*a(n+1)+a(n), a(0) = 1, a(1) = 63\}$ , ogf]  
A174763 9.72544 [  $-(63*x-1)/(x^2-126*x+1)$  ogf]  
A174765 10.9957 [  $39*x/(x^2-340*x+1)$  ogf]  
A174765 17.2950  $-2*(-170+x)/(x^2+1-340*x)$  lgdogf  
A174765 5.23606 [  $\{a(n+2)-340*a(n+1)+a(n), a(0) = 0, a(1) = 39\}$ , ogf]  
A174765 6.45335  $-1/2*(-39-340*x+(114*x+13)^{(1/2)}*(26*x+3)^{(1/2)}*3^{(1/2)}*13^{(1/2)})/x$  revogf  
A174766 11.2442 [  $42*x/(x^2-394*x+1)$  ogf]  
A174766 17.6926  $-2*(-197+x)/(x^2+1-394*x)$  lgdogf  
A174766 5.35439 [  $\{a(n+2)-394*a(n+1)+a(n), a(0) = 0, a(1) = 42\}$ , ogf]  
A174766 7.37190  $-(-21-197*x+(28*x+3)^{(1/2)}*(66*x+7)^{(1/2)}*3^{(1/2)}*7^{(1/2)})/x$  revogf  
A174767 13.3977 [  $5*x/(x^2-48*x+1)$  ogf]  
A174767 21.7821  $-2*(-24+x)/(x^2+1-48*x)$  lgdogf  
A174767 6.20870 [  $\{a(n+2)-48*a(n+1)+a(n), a(0) = 0, a(1) = 5\}$ , ogf]  
A174767 9.27758  $-1/2*(-48*x-5+(46*x+5)^{(1/2)}*(1+10*x)^{(1/2)}*5^{(1/2)})/x$  revogf  
A174768 17.9525 [  $10*x/(x^2-102*x+1)$  ogf]  
A174768 8.54882 [  $\{a(n+2)-102*a(n+1)+a(n), a(0) = 0, a(1) = 10\}$ , ogf]  
A174769 7.71364  $-(9801-2*x+9801*x^2)/(9801*x-1)/(x^2-19602*x+1)$  lgdogf  
A174770 12.5555  $-2*(-9801+x)/(x^2+1-19602*x)$  lgdogf

A174770 5.02222  $-( -9801*x-910+2*(377*x+35)^{(1/2)}*(140*x+13)^{(1/2)}*35^{(1/2)}*13^{(1/2)})/x$  revogf  
A174771 13.7303  $-2*(-1520+x)/(x^2+1-3040*x)$  lgdogf  
A174771 5.37271  $-1/2*(-273-3040*x+(434*x+39)^{(1/2)}*(78*x+7)^{(1/2)}*39^{(1/2)}*7^{(1/2)})/x$  revogf  
A174772 12.9808  $-( -2-23*x+2*(12*x+1)^{(1/2)}*(1+11*x)^{(1/2)})/x$  revogf  
A174772 17.5957  $[ 4*x/(x^2-46*x+1)$  ogf]  
A174772 24.8328  $-2*(-23+x)/(x^2+1-46*x)$  lgdogf  
A174772 8.15412  $[{a(n+2)-46*a(n+1)+a(n), a(0) = 0, a(1) = 4},$  ogf]  
A174773 12.3619  $[ 6*x/(x^2-70*x+1)$  ogf]  
A174773 20.0798  $-2*(-35+x)/(x^2+1-70*x)$  lgdogf  
A174773 5.72870  $[{a(n+2)-70*a(n+1)+a(n), a(0) = 0, a(1) = 6},$  ogf]  
A174773 9.23671  $-( -3-35*x+(12*x+1)^{(1/2)}*(34*x+3)^{(1/2)}*3^{(1/2)})/x$  revogf  
A174775 11.4140  $[ 12*x/(x^2-146*x+1)$  ogf]  
A174775 19.5159  $-2*(x-73)/(x^2+1-146*x)$  lgdogf  
A174775 5.43525  $[{a(n+2)-146*a(n+1)+a(n), a(0) = 0, a(1) = 12},$  ogf]  
A174775 8.63204  $-( -73*x-6+2*(12*x+1)^{(1/2)}*(37*x+3)^{(1/2)}*3^{(1/2)})/x$  revogf  
A174776 11.3246  $-( -2-25*x+2*(12*x+1)^{(1/2)}*(1+13*x)^{(1/2)})/x$  revogf  
A174776 13.3264  $[ 4*x/(x^2-50*x+1)$  ogf]  
A174776 6.17567  $[{a(n+2)-50*a(n+1)+a(n), a(0) = 0, a(1) = 4},$  ogf]  
A174777 12.4314  $[ 6*x/(x^2-74*x+1)$  ogf]  
A174777 5.76088  $[{a(n+2)-74*a(n+1)+a(n), a(0) = 0, a(1) = 6},$  ogf]  
A174777 9.28949  $-( -37*x-3+(12*x+1)^{(1/2)}*(38*x+3)^{(1/2)}*3^{(1/2)})/x$  revogf  
A174778 14.2419  $-2*(-2049+x)/(x^2+1-4098*x)$  lgdogf  
A174778 6.62987  $-( -160-2049*x+8*(205*x+16)^{(1/2)}*(64*x+5)^{(1/2)}*5^{(1/2)})/x$  revogf  
A174779 13.4915  $-( -1-13*x+(12*x+1)^{(1/2)}*(1+14*x)^{(1/2)})/x$  revogf  
A174779 15.1353  $[ 2*x/(x^2-26*x+1)$  ogf]  
A174779 24.6366  $-2*(-13+x)/(x^2+1-26*x)$  lgdogf  
A174779 7.01393  $[{a(n+2)-26*a(n+1)+a(n), a(0) = 0, a(1) = 2},$  ogf]  
A174780 12.5033  $[ 531*x/(x^2-6964*x+1)$  ogf]  
A174780 19.1832  $-2*(-3482+x)/(x^2+1-6964*x)$  lgdogf  
A174780 6.10628  $[{a(n+2)-6964*a(n+1)+a(n), a(0) = 0, a(1) = 531},$  ogf]  
A174780 8.09291  $-1/2*(-6964*x-531+3*(118*x+9)^{(1/2)}*(774*x+59)^{(1/2)}*59^{(1/2)})/x$  revogf  
A174781 4.47807  $[ (20*x^16+12*x^12+4*x^11+2*x^10+x^9+x^8+2*x^4+4*x^3+2*x^2+x+1)/(x+1)/(x^2+1)/(x^8+1)/(x-1)^2$  ogf]  
A174784 11.3881  $[ x*(x^4+x^3-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A174784 11.5522  $-(x-1)*(2*x^8+5*x^7+5*x^6+6*x^4+6*x^3+2*x^2-x-1)/(x^4+x^3-x+1)/(x^2+1)/(x^4-x^2+1)$  lgdogf  
A174785 5.77640  $[ -(x^5+x^4-x^3+x^2-2*x-1)/(x+1)^2/(x^2-x+1)^2$  ogf]  
A174785 6.79576  $-(2-2*x+2*x^6-3*x^5+x^7-x^4-14*x^3-3*x^2)/(x+1)/(x^2-x+1)/(x^5+x^4-x^3+x^2-2*x-1)$  lgdogf  
A174792 10.3501  $[ -x*(x-1)*(x+1)/(x^3+7*x^2-x+1)$  ogf]  
A174792 12.9774  $-(1-16*x-2*x^2+x^4)/(-1+x)/(x+1)/(x^3+7*x^2-x+1)$  lgdogf  
A174792 4.50347  $[{a(n+4)-a(n+3)+7*a(n+2)+a(n+1), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = -7},$  ogf]  
A174794 17.6179  $-(5+9*x+15*x^2+3*x^3)/(x-1)/(x+1)/(3*x^2+1)$  lgdogf  
A174794 9.49023  $[ x*(x+1)*(3*x^2+1)/(x-1)^4$  ogf]  
A174808 12.7673  $1/2/x*(-1-x-x^2+(1+2*x+7*x^2-2*x^3+x^4)^{(1/2)})$  revogf  
A174810 11.6703  $-1/2*(-1+x-2*x^2+(1-2*x+x^2+4*x^3+4*x^4)^{(1/2)})/x$  revogf  
A174814 12.3976  $[ 2*x*(3*x+2)/(x-1)^4$  ogf]  
A174814 34.5523  $-(11+9*x)/(3*x+2)/(x-1)$  lgdogf  
A174814 5.33672  $[{(4+2*n)*a(n+3)+(-10+n)*a(n+2)+(-9-3*n)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 22},$  ogf]  
A174836 5.01703  $-2*(2+4*x+2*x^5-5*x^4+2*x^3-7*x^2)/(-1+x)/(2*x-1)/(x+1)/(2*x^3-3*x^2-1)$  lgdogf  
A174836 5.04640  $[ (2*x^3-3*x^2-1)/(x-1)/(x+1)/(2*x-1)^2$  ogf]  
A174850 4.84485  $[ -5*x*(9*x^10+7*x^9+57*x^8+6*x^7+118*x^6+30*x^5+102*x^4+4*x^3+33*x^2+3*x+1)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]

A174853 10.7998 [  $7x/(x^2-96x+1)$  ogf]  
A174853 17.5086  $-2*(-48+x)/(x^2+1-96x)$  lgdogf  
A174853 5.00478 [  $\{a(n+2)-96a(n+1)+a(n), a(0) = 0, a(1) = 7\}$ , ogf]  
A174853 7.45735  $-1/2*(-96x-7+(94x+7)^{1/2}*(1+14x)^{1/2}*7^{1/2})/x$  revogf  
A174855 10.5229 [  $7x/(x^2-100x+1)$  ogf]  
A174855 16.7790  $-2*(-50+x)/(x^2+1-100x)$  lgdogf  
A174855 4.94448 [  $\{a(n+2)-100a(n+1)+a(n), a(0) = 0, a(1) = 7\}$ , ogf]  
A174855 7.19102  $-1/2*(-100x-7+(102x+7)^{1/2}*(1+14x)^{1/2}*7^{1/2})/x$  revogf  
A174871 9.24528 [  $(4x^6+4x^5+x^4+3x^3+x^2+4x+3)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A174882 10.3795 [  $-(2x-1)*(4x^2+3x+1)/(16x^4+1)$  ogf]  
A174882 8.34840  $-(1-4x-24x^2-64x^3-48x^4+64x^5+128x^6)/(2x-1)/(4x^2+3x+1)/(16x^4+1)$  lgdogf  
A174887 7.02596  $(3-x+44x^{21}-86x^{22}+42x^{23}-87x^{15}+42x^{16}+45x^{14}+21x^9+24x^7-45x^8)/(x-1)/(2x^{23}-2x^{22}+3x^{16}-3x^{15}+3x^9-3x^8+x-2)$  lgdogf  
A174887 9.30286 [  $-(2x^{23}-2x^{22}+3x^{16}-3x^{15}+3x^9-3x^8+x-2)/(x-1)^2$  ogf]  
A174902 11.8660 [  $-(4x^2-3x+1)/(x-1)^3$  ogf]  
A174902 22.2587  $-2x*(1+2x)/(x-1)/(4x^2-3x+1)$  lgdogf  
A174902 6.52097 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = 1\}$ , ogf]  
A174908 10.6289 [  $-(2x^{17}-2x^{16}+2x^9-2x^8+x-2)/(x-1)^2$  ogf]  
A174908 9.35005  $(3-x+32x^{15}-62x^{16}+30x^{17}+14x^9+16x^7-30x^8)/(x-1)/(2x^{17}-2x^{16}+2x^9-2x^8+x-2)$  lgdogf  
A174927 14.5195 [  $\{a(n+2)-a(n), a(0) = 1, a(1) = 64\}$ , ogf]  
A174927 22.4706 [  $-(64x+1)/(x-1)/(x+1)$  ogf]  
A174927 25.0281  $-2*(32+x+32x^2)/(x-1)/(64x+1)/(x+1)$  lgdogf  
A174927 25.0281  $1/2/(64+x)*(-1+(1+256x+4x^2)^{1/2})$  revogf  
A174928 14.9113 [  $(64x+1)/(x-1)^2/(x+1)$  ogf]  
A174928 20.2494  $-(65+67x+128x^2)/(x-1)/(64x+1)/(x+1)$  lgdogf  
A174928 7.06325 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 65, a(2) = 66\}$ , ogf]  
A174929 14.2773 [  $-(64x+1)/(x+1)/(x-1)^3$  ogf]  
A174929 18.9055  $-6*(11+22x+32x^2)/(x-1)/(64x+1)/(x+1)$  lgdogf  
A174944 3.23876 [  $-(1000000x^5-1000000x^4+1000x^2-910x-99)/(10x-1)/(x-1)$  ogf]  
A174959 6.37030 [  $-x^3*(2x-1)/(x-1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A174959 6.61548  $-x*(-4+16x^4-10x^3-20x^2+19x)/(-1+x)/(2x-1)/(2x^2-1)/(x^2+x-1)$  lgdogf  
A174971 115.755  $-1/(x+1)$  lgdogf  
A174971 115.755  $-x/(x-3)$  revogf  
A174971 14.5706 [  $\{-a(n+1)-a(n), a(0) = 3\}$ , ogf]  
A174971 30.3068 [  $3/(x+1)$  ogf]  
A174971 35.9820 [  $[-1+x]$  ogf\_with\_Euler\_transform]  
A174984 8.81934 [  $-(4x^9+4x^8+4x^7+2x^6+4x^5+3x^4+x^3+4x^2+5x+4)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A174988 11.0403 [  $-x*(3x+1)*(x-1)/(9x^4-8x^2+1)$  ogf]  
A174988 9.90087  $-2*(1+5x+27x^5-27x^4+8x^2-18x^3)/(x-1)/(3x+1)/(9x^4-8x^2+1)$  lgdogf  
A174994 11.8440 [  $-16*(x^4+6x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A174994 17.4895  $-(1+17x+x^5+6x^2+22x^3+x^4)/(x-1)/(x+1)/(x^4+6x^2+1)$  lgdogf  
A175005 15.7342 [  $-x/(2x^3-3x^2+4x-1)$  ogf]  
A175005 17.1711  $-2*(2-3x+3x^2)/(-3x^2-1+4x+2x^3)$  lgdogf  
A175005 5.81175 [  $\{a(n+3)-4a(n+2)+3a(n+1)-2a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A175014 11.7988 [  $12x/(x^2-178x+1)$  ogf]  
A175014 19.3440  $-2*(-89+x)/(x^2+1-178x)$  lgdogf  
A175014 5.61846 [  $\{a(n+2)-178a(n+1)+a(n), a(0) = 0, a(1) = 12\}$ , ogf]  
A175014 8.92800  $-(-89x-6+2*(1+15x)^{1/2}*(44x+3)^{1/2}*3^{1/2})/x$  revogf  
A175015 10.6851 [  $20x/(x^2-302x+1)$  ogf]  
A175015 16.7980  $-2*(-151+x)/(x^2+1-302x)$  lgdogf

A175015 5.08815 [ $\{a(n+2)-302*a(n+1)+a(n), a(0) = 0, a(1) = 20\}$ , ogf]  
A175015 7.77685  $-(-10-151*x+2*(76*x+5)^{(1/2)}*(1+15*x)^{(1/2)}*5^{(1/2)})/x$  revogf  
A175033 6.74409 [ $-(x+3)*(x^2-4*x-3)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A175049 10.0595 [ $69*x/(x^2-1060*x+1)$  ogf]  
A175049 15.5863  $-2*(-530+x)/(x^2+1-1060*x)$  lgdogf  
A175049 4.85222 [ $\{a(n+2)-1060*a(n+1)+a(n), a(0) = 0, a(1) = 69\}$ , ogf]  
A175049 5.95949  $-1/2*(-1060*x-69+(354*x+23)^{(1/2)}*(46*x+3)^{(1/2)}*3^{(1/2)}*23^{(1/2)})/x$  revogf  
A175109 7.54032 [ $(x^2+6*x+1)*(x^2+4*x+1)/(x+1)/(x-1)^4$  ogf]  
A175109 9.71968  $-(13+87*x+x^5+23*x^4+148*x^2+112*x^3)/(x-1)/(x+1)/(x^2+6*x+1)/(x^2+4*x+1)$  lgdogf  
A175110 10.4693  $-(41+380*x+x^4+462*x^2+76*x^3)/(x-1)/(x^4+36*x^3+118*x^2+36*x+1)$  lgdogf  
A175110 6.90546 [ $-(x^4+36*x^3+118*x^2+36*x+1)/(x-1)^5$  ogf]  
A175111 4.86319 [ $(x^6+116*x^5+967*x^4+1672*x^3+967*x^2+116*x+1)/(x+1)/(x-1)^6$  ogf]  
A175112 5.54800 [ $-(x^6+116*x^5+967*x^4+1672*x^3+967*x^2+116*x+1)/(x+1)/(x-1)^5$  ogf]  
A175112 5.72435  $-4*(30+601*x+30*x^6+601*x^5+2366*x^4+2366*x^2+3606*x^3)/(x-1)/(x+1)/(x^6+116*x^5+967*x^4+1672*x^3+967*x^2+116*x+1)$  lgdogf  
A175113 4.40722 [ $-(x^6+358*x^5+5279*x^4+11764*x^3+5279*x^2+358*x+1)/(x-1)^7$  ogf]  
A175113 5.51510  $-(365+12706*x+x^6+722*x^5+17627*x^4+61687*x^2+68172*x^3)/(x-1)/(x^6+358*x^5+5279*x^4+11764*x^3+5279*x^2+358*x+1)$  lgdogf  
A175114 4.83822 [ $(x^6+358*x^5+5279*x^4+11764*x^3+5279*x^2+358*x+1)/(x-1)^6$  ogf]  
A175114 6.23147  $-4*(x+1)*(91*x^4+2996*x^3+11106*x^2+2996*x+91)/(x-1)/(x^6+358*x^5+5279*x^4+11764*x^3+5279*x^2+358*x+1)$  lgdogf  
A175161 10.6154 [ $-8*(3*x-2)/(2*x-1)/(x-1)$  ogf]  
A175161 13.1365  $-(3-8*x+6*x^2)/(-1+x)/(2*x-1)/(3*x-2)$  lgdogf  
A175161 5.46125  $1/2*\ln(x+12)-1/2*\ln((x+16)^{(1/2)}+2)+1/2*\ln((x+16)^{(1/2)}-2)-1/2*\ln(12)+1/2*\ln(6)-1/2*\ln(2)$  revegf  
A175161 5.93960 [ $\{a(n+2)-3*a(n+1)+2*a(n), a(0) = 16, a(1) = 24\}$ , ogf]  
A175162 11.0949 [ $-16*(3*x-2)/(2*x-1)/(x-1)$  ogf]  
A175162 13.7455  $-(3-8*x+6*x^2)/(-1+x)/(2*x-1)/(3*x-2)$  lgdogf  
A175162 6.20785 [ $\{a(n+2)-3*a(n+1)+2*a(n), a(0) = 32, a(1) = 48\}$ , ogf]  
A175162 8.20295  $1/2*\ln(x+24)-\arctanh(1/4*(2*x+64)^{(1/2)})-1/2*\ln(24)+\arctanh(2)$  revegf  
A175163 11.5743 [ $-32*(3*x-2)/(2*x-1)/(x-1)$  ogf]  
A175163 14.7532  $-(3-8*x+6*x^2)/(x-1)/(2*x-1)/(3*x-2)$  lgdogf  
A175163 5.90128  $1/2*\ln(x+48)+1/2*\ln((x+64)^{(1/2)}-4)-1/2*\ln((x+64)^{(1/2)}+4)-1/2*\ln(48)-1/2*\ln(4)+1/2*\ln(12)$  revegf  
A175163 6.47608 [ $\{a(n+2)-3*a(n+1)+2*a(n), a(0) = 64, a(1) = 96\}$ , ogf]  
A175164 13.5532 [ $16*x/(2*x-1)/(x-1)$  ogf]  
A175164 13.6585  $-1/4*(-16-3*x+(256+96*x+x^2)^{(1/2)})/x$  revogf  
A175164 21.0568  $-(-3+4*x)/(2*x-1)/(-1+x)$  lgdogf  
A175164 6.28074 [ $\{a(n+2)-3*a(n+1)+2*a(n), a(0) = 0, a(1) = 16\}$ , ogf]  
A175165 13.3707  $-1/4*(-32-3*x+(1024+192*x+x^2)^{(1/2)})/x$  revogf  
A175165 13.9767 [ $32*x/(2*x-1)/(x-1)$  ogf]  
A175165 21.7274  $-(-3+4*x)/(2*x-1)/(-1+x)$  lgdogf  
A175165 6.47701 [ $\{a(n+2)-3*a(n+1)+2*a(n), a(0) = 0, a(1) = 32\}$ , ogf]  
A175166 14.0310  $-1/4*(-64-3*x+(4096+384*x+x^2)^{(1/2)})/x$  revogf  
A175166 14.6544 [ $64*x/(2*x-1)/(x-1)$  ogf]  
A175166 23.7917  $-(-3+4*x)/(2*x-1)/(x-1)$  lgdogf  
A175166 6.79105 [ $\{a(n+2)-3*a(n+1)+2*a(n), a(0) = 0, a(1) = 64\}$ , ogf]  
A175237 10.9281 [ $6*(20*x+1)/(10*x-1)/(x-1)$  ogf]  
A175237 11.3944  $-1/20*(-6-11*x+3*(4+68*x+9*x^2)^{(1/2)})/(-12+x)$  revogf  
A175237 12.1894  $-(-31+20*x+200*x^2)/(x-1)/(1+20*x)/(10*x-1)$  lgdogf  
A175237 6.22648 [ $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 6, a(1) = 186\}$ , ogf]  
A175287 10.7276 [ $x*(x^2-x+1)/(x+1)/(x-1)^4$  ogf]  
A175287 21.4285  $-(2+4*x+3*x^3-x^2)/(x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A175287 26.1987  $[-x^5+x^2+2*x+2$  ogf\_with\_Euler\_transform]

A175307 10.2731 [  $(x^{40}-x^{34}-x^5-3x^4-x^3-x^2-x-2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A175322 7.59162 [  $2*(x+3)*(x-2)/(x-1)/(x^2-34x+1)/(x^2-6x+1)$  ogf]  
A175360 10.6010 [  $-(x^3+6x^2-4x+11)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A175361 10.4629 [  $-(x^3+7x^2-5x+13)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A175373 12.7126 [  $-(2x^{16}+2x+1)^2/(x-1)$  ogf]  
A175373 19.9564  $(-5+2x+62x^{16}-64x^{15})/(x-1)/(2x^{16}+2x+1)$  lgdogf  
A175376 19.0014  $(-7+4x+94x^{16}-96x^{15})/(x-1)/(2x^{16}+2x+1)$  lgdogf  
A175378 7.21937  $(-3+8x-3x^2-12x^3+18x^4+12x^5-38x^6+20x^8)/(x-1)/(x+1)/(2x^2-1)/(x^2+x-1)/(2x^3-2x^2+2x-1)$  lgdogf  
A175378 8.66325 [  $x^4*(2x^2-1)/(x-1)/(x+1)/(x^2+x-1)/(2x^3-2x^2+2x-1)$  ogf]  
A175395 13.0812 [  $\{a(n+3)-2a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 2, a(2) = 2\}$ , ogf]  
A175395 25.4739 [  $-2x*(x-1)/(x+1)/(x^2-3x+1)$  ogf]  
A175395 32.7469  $-(1+4x+2x^3-5x^2)/(x-1)/(x+1)/(x^2-3x+1)$  lgdogf  
A175408 9.35182 [  $-(3x^9+5x^8+4x^7+4x^6+5x^5+3x^4+6x^3+2x^2+7x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A175410 4.43090 [  $-12*(x^2-44x+11)/(x-1)/(x^2-14x+1)/(x^2-194x+1)$  ogf]  
A175416 5.69680 [  $-(x^{27}+18x^{26}-10x^{25}-8x^{24}-x^{23}+x^9+2x^8-2x^7-x^5+x^3-x^2-1)/(x-1)^2$  ogf]  
A175430 5.10580 [  $\{(n^2+6n+8)*a(n+1)-a(n+2), a(0) = 2, a(1) = 6\}$ , ogf]  
A175458 5.11365 [  $x*(42x^{22}-84x^{21}+42x^{20}+36x^{19}-72x^{18}+36x^{17}+18x^{10}-36x^9+18x^8+8x^5-16x^4+8x^3-1)/(x-1)^3$  ogf]  
A175558 19.8580 [  $\{a(n+1)-167*a(n), a(0) = 1\}$ , ogf]  
A175558 46.6230 [  $-1/(167x-1)$  ogf]  
A175558 62.3980  $1/167*\ln(1+167*x)$  revogf  
A175558 70.7177  $-167/(-1+167*x)$  lgdogf  
A175564 16.7809  $2*(1+14x+1680x^3+234x^2)/(14x^2+1+2x+840x^4+156x^3)$  lgdogf  
A175564 5.65925 [  $\{-a(n+5), a(0) = 1, a(1) = 2, a(2) = 14, a(3) = 156, a(4) = 840\}$ , ogf]  
A175601 10.9197  $-1/20*(-7-11x+(49+2394x+81x^2)^{(1/2)})/(-56+x)$  revogf  
A175601 10.9281 [  $7*(80x+1)/(10x-1)/(x-1)$  ogf]  
A175601 12.1894  $-(20x+7)*(40x-13)/(x-1)/(80x+1)/(10x-1)$  lgdogf  
A175601 6.22648 [  $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 7, a(1) = 637\}$ , ogf]  
A175602 10.3329  $-1/20*(-56-11x+(3136+1872x+81x^2)^{(1/2)})/(-16+x)$  revogf  
A175602 10.7662 [  $8*(20x+7)/(10x-1)/(x-1)$  ogf]  
A175602 11.9768  $(-97+140x+200x^2)/(x-1)/(20x+7)/(10x-1)$  lgdogf  
A175602 6.18747 [  $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 56, a(1) = 776\}$ , ogf]  
A175603 10.3329  $-1/20*(-40-11x+(1600+2160x+81x^2)^{(1/2)})/(-32+x)$  revogf  
A175603 10.7662 [  $40*(8x+1)/(10x-1)/(x-1)$  ogf]  
A175603 12.8531  $(-19+20x+80x^2)/(x-1)/(8x+1)/(10x-1)$  lgdogf  
A175603 6.18747 [  $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 40, a(1) = 760\}$ , ogf]  
A175604 10.7546  $-1/20*(-24-11x+3*(64+272x+9x^2)^{(1/2)})/(-48+x)$  revogf  
A175604 10.7662 [  $24*(20x+1)/(10x-1)/(x-1)$  ogf]  
A175604 12.2553  $(-31+20x+200x^2)/(x-1)/(20x+1)/(10x-1)$  lgdogf  
A175604 6.18747 [  $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 24, a(1) = 744\}$ , ogf]  
A175629 6.97532 [  $x*(x^4+2x^3+x^2+2x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A175629 9.62242  $(-1+14x^6+14x^5+2x^9+7x^8+8x^7+7x^4-2x^2)/(x^4+2x^3+x^2+2x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A175630 8.33900 [  $-x*(14x^{15}-16x^{13}+7x^8-9x^6+4x^5+3x^4-2x^3-x-1)/(x-1)^2/(x+1)^2$  ogf]  
A175631 11.4730 [  $x*(3x^3-8x^2+6x-2)/(x-1)^3$  ogf]  
A175631 23.7005  $-x*(-4+x)/(x-1)/(3x^3-8x^2+6x-2)$  lgdogf  
A175631 5.10690 [  $\{(-n^2+n)*a(n)+(5n^2+5n)*a(n+1)+(-4n^2+4)*a(n+2), a(0) = 0, a(1) = 2, a(2) = 0, a(3) = 2\}$ , ogf]  
A175633 10.2355  $(-127-2x+127x^2)/(127x-1)/(x^2-254x+1)$  lgdogf  
A175633 5.11429 [  $\{a(n+2)-254*a(n+1)+a(n), a(0) = 1, a(1) = 127\}$ , ogf]  
A175633 8.97610 [  $-(127x-1)/(x^2-254x+1)$  ogf]  
A175637 5.54306 [ -

$(400x^{13}-70x^8-404x^7-10x^6-77x^5-11x^4-9x^3-7x^2-3x-1)/(x-1)/(x+1)/$   
 $(10x^3+1)/(10x^3-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A175654 12.6664 [  $-(x^2+x-1)/(2x-1)/(3x^2+x-1)$  ogf]  
A175654 14.0539  $-2*(1+3x^4+6x^3-8x^2)/(2x-1)/(3x^2+x-1)/(x^2+x-1)$  lgdogf  
A175654 6.89864 [  $\{a(n+3)-3a(n+2)-a(n+1)+6a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ ,  
ogf]  
A175655 10.3854  $-2*(2-4x-x^2-6x^3+15x^4)/(-1+2x)/(3x^2+x-1)/(5x^2-x-1)$   
lgdogf  
A175655 10.4336 [  $-(5x^2-x-1)/(2x-1)/(3x^2+x-1)$  ogf]  
A175655 5.68259 [  $\{-a(n+3)+3a(n+2)+a(n+1)-6a(n), a(0) = 1, a(1) = 4, a(2) = 8\}$ ,  
ogf]  
A175656 13.5354 [  $-(3x^2-1)/(x+1)/(2x-1)^2$  ogf]  
A175656 15.8446  $-3*(-1+2x^3+x^2)/(2x-1)/(x+1)/(3x^2-1)$  lgdogf  
A175656 7.05568 [  $\{-a(n+3)+3a(n+2)-4a(n), a(0) = 1, a(1) = 3, a(2) = 6\}$ , ogf]  
A175657 11.4279 [  $-(3x^2-x-1)/(x^2+x-1)/(2x-1)$  ogf]  
A175657 12.2029  $-2*(x-1)*(3x^3+x^2+2x-2)/(2x-1)/(3x^2-x-1)/(x^2+x-1)$  lgdogf  
A175657 6.22411 [  $\{a(n+3)-3a(n+2)+a(n+1)+2a(n), a(0) = 1, a(1) = 4, a(2) = 8\}$ ,  
ogf]  
A175658 11.6919 [  $-(3x^2-1)/(2x-1)/(x^2+2x-1)$  ogf]  
A175658 12.5598  $-2*(2-6x+3x^4+3x^2)/(2x-1)/(3x^2-1)/(x^2+2x-1)$  lgdogf  
A175658 5.89770 [  $\{a(n+3)-4a(n+2)+3a(n+1)+2a(n), a(0) = 1, a(1) = 4, a(2) =$   
 $10\}$ , ogf]  
A175659 10.0788 [  $-(7x^2-2x-1)/(3x-1)/(2x-1)/(x+1)$  ogf]  
A175659 5.44076 [  $\{-a(n+3)+4a(n+2)-a(n+1)-6a(n), a(0) = 1, a(1) = 6, a(2) =$   
 $16\}$ , ogf]  
A175659 8.98404  $-2*(3-8x+4x^2-12x^3+21x^4)/(3x-1)/(-1+2x)/(x+1)/$   
 $(7x^2-2x-1)$  lgdogf  
A175660 10.8727 [  $(2x^2-x+1)/(x^2+x-1)/(2x-1)$  ogf]  
A175660 11.2005  $-(-2-2x+11x^2-4x^3+4x^4)/(2x-1)/(2x^2-x+1)/(x^2+x-1)$   
lgdogf  
A175660 5.92173 [  $\{-a(n+3)+3a(n+2)-a(n+1)-2a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$ ,  
ogf]  
A175661 10.9405  $-(-5-10x+4x^2-8x^3+8x^4)/(-1+2x)/(4x^2-2x-1)/(x^2+x-1)$   
lgdogf  
A175661 10.9842 [  $-(4x^2-2x-1)/(x^2+x-1)/(2x-1)$  ogf]  
A175661 5.92952 [  $\{a(n+3)-3a(n+2)+a(n+1)+2a(n), a(0) = 1, a(1) = 5, a(2) = 10\}$ ,  
ogf]  
A175672 10.4366 [  $24x/(x^2-254x+1)$  ogf]  
A175672 16.4004  $-2*(-127+x)/(x^2+1-254x)$  lgdogf  
A175672 4.96982 [  $\{a(n+2)-254a(n+1)+a(n), a(0) = 0, a(1) = 24\}$ , ogf]  
A175672 6.61307  $-(-12-127x+2*(21x+2)^{(1/2)}*(32x+3)^{(1/2)}*2^{(1/2)}*3^{(1/2)})/x$   
revogf  
A175676 18.4188 [  $x^2/(x-1)^2/(x^2+x+1)^2$  ogf]  
A175676 32.3757 [  $[2x^2]$  ogf\_with\_Euler\_transform]  
A175676 43.1613  $-6x^2/(x-1)/(x^2+x+1)$  lgdogf  
A175676 5.45195 [  $\{(n+2)*a(n+4)+(-5-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 1, a(3)$   
 $= 0\}$ , ogf]  
A175677 8.41769 [  $x^3*(x^{10}+x^8+6x^4+3x^2+1)/(x-1)^2/(x+1)^2/(x^2+1)^2/$   
 $(x^4+1)^2$  ogf]  
A175677 9.19595  $-2x*(3+12x^2+12x^6+26x^8+36x^{10}+4x^{14}+3x^{16})/(x-1)/(x+1)/$   
 $(x^2+1)/(x^{10}+x^8+6x^4+3x^2+1)/(x^4+1)$  lgdogf  
A175686 7.53368 [  $-x*(x^2-x-1)*(x^4-x^2+1)/(x-1)^4/(x+1)^4$  ogf]  
A175713 14.3667 [  $-1/(2x^4-4x^3+4x^2+x-1)$  ogf]  
A175713 15.3385  $-(1+8x+8x^3-12x^2)/(4x^2-1+x+2x^4-4x^3)$  lgdogf  
A175714 12.9374  $-(1+2x+16x^3-15x^2)/(-1+x)/(4x^3-x^2+1)$  lgdogf  
A175714 17.5413 [  $1/(x-1)/(4x^3-x^2+1)$  ogf]  
A175715 14.0002 [  $-1/(2x^6-4x^5+3x^4+x^2+x-1)$  ogf]  
A175715 9.57902  $-(1+2x+12x^3-20x^4+12x^5)/(x^2-1+x-4x^5+3x^4+2x^6)$  lgdogf  
A175716 19.8458  $(\exp(x)*x+\exp(x)+x+2)/(x+1)$  lgdegf  
A175722 12.7868 [  $-1/(x-1)/(x^2-x-1)^2$  ogf]  
A175722 25.0021  $-(1-7x+5x^2)/(-1+x)/(x^2-x-1)$  lgdogf



A175722 4.02678 [ $\{(n+4)*a(n+4)+a(n+3)+(-11-2*n)*a(n+2)+(6+n)*a(n+1), a(0) = 1, a(1) = -1, a(2) = 4, a(3) = -6\}$ , ogf]  
A175723 11.0075  $[-1-4*x-20*x^3-8*x^4+10*x^9+x^8-3*x^6-34*x^5-9*x^2]/(x-1)/(x+1)/(1+x^2)/(5*x^6+x^5+4*x^4+3*x^3+2*x^2+x+1)$  lgdogf  
A175723 14.5058 [ $-(5*x^6+x^5+4*x^4+3*x^3+2*x^2+x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A175724 10.3427 [ $x^4/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^4$  ogf]  
A175724 13.0176  $-3*(1+x+x^2+x^3+x^4+3*x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A175724 30.0448 [ $x^5+3$ ] ogf\_with\_Euler\_transform]  
A175740 13.5976 [ $1/(x^2-x+1)/(x^4-x^2+1)/(x^{14}-x^{11}-x^{10}+x^7-x^4-x^3+1)$  ogf]  
A175740 7.86366  $-(-1-10*x^9-19*x^{18}+20*x^{19})/(x^2-x+1)/(x^4-x^2+1)/(x^{14}-x^{11}-x^{10}+x^7-x^4-x^3+1)$  lgdogf  
A175772 14.3888 [ $1/(x^4-x^3+x^2-x+1)/(x^4-x^2+1)/(x^{10}-x^6-x^5-x^4+1)$  ogf]  
A175772 8.46856  $-(-1-17*x^{16}-9*x^8+18*x^{17})/(x^4-x^3+x^2-x+1)/(x^4-x^2+1)/(x^{10}-x^6-x^5-x^4+1)$  lgdogf  
A175773 12.2721  $-(-1-11*x^{10}-6*x^5+12*x^{11})/(x^2-x+1)/(x^{10}-x^8-x^7+x^5-x^3-x^2+1)$  lgdogf  
A175773 17.5677 [ $1/(x^2-x+1)/(x^{10}-x^8-x^7+x^5-x^3-x^2+1)$  ogf]  
A175774 10.3329  $-1/20*(-35-11*x+(1225+1890*x+81*x^2)^{(1/2)})/(-28+x)$  revogf  
A175774 10.7662 [ $35*(8*x+1)/(10*x-1)/(x-1)$  ogf]  
A175774 12.8531  $-(-19+20*x+80*x^2)/(x-1)/(8*x+1)/(10*x-1)$  lgdogf  
A175774 6.18747 [ $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 35, a(1) = 665\}$ , ogf]  
A175775 10.3329  $-1/20*(-49-11*x+(2401+1638*x+81*x^2)^{(1/2)})/(-14+x)$  revogf  
A175775 10.7662 [ $7*(20*x+7)/(10*x-1)/(x-1)$  ogf]  
A175775 11.9768  $-(-97+140*x+200*x^2)/(x-1)/(20*x+7)/(10*x-1)$  lgdogf  
A175775 6.18747 [ $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 49, a(1) = 679\}$ , ogf]  
A175776 11.4397 [ $(x-1)*x^5+(x-1)*x^{13}+x^2+x+2$  ogf\_with\_Euler\_transform]  
A175776 5.74881 [ $x^4*(x+1)*(x^2-x+1)*(x^6-x^5+x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^4$  ogf]  
A175777 18.4151 [ $x^7-x^5+x^2+x+2$  ogf\_with\_Euler\_transform]  
A175777 7.36741 [ $x^4*(x^2-x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^4$  ogf]  
A175777 7.98782  $-(2+2*x+11*x^7+3*x^2+3*x^3+3*x^4+3*x^5+9*x^9+3*x^6-7*x^8)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)/(x^4+1)$  lgdogf  
A175780 16.8590 [ $x^{11}-x^9+x^4+x+2$  ogf\_with\_Euler\_transform]  
A175780 5.88150 [ $x^5*(x^4-x^3+x^2-x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^4$  ogf]  
A175782 9.42030  $-(-20+19*x+302*x^{20}+39*x^{21}-361*x^{19})/(19*x^2+20-39*x+97*x^2-20-39*x^{19}+39*x^{22}-98*x^{21})$  lgdogf  
A175784 6.99461 [ $-4*(2*x^9+x^8-x^6-2*x^5-7*x^4-6*x^3-x^2-4*x-3)/(x-1)^2/(x^4+x^3+x^2+x+1)^2$  ogf]  
A175790 15.2478  $-(-1+5*x^4+8*x^3+3*x^2)/(x+1)/(x^4+x^3-1)$  lgdogf  
A175790 16.0760 [ $-1/(x+1)/(x^4+x^3-1)$  ogf]  
A175805 15.8901 [ $\{a(n+1)-2*a(n), a(0) = 21\}$ , ogf]  
A175805 31.8581  $-1/2*\ln(21)+1/2*\ln(21+2*x)$  revegf  
A175805 32.3913 [ $-21/(2*x-1)$  ogf]  
A175805 75.3011  $-2/(-1+2*x)$  lgdogf  
A175806 15.1614 [ $\{a(n+1)-2*a(n), a(0) = 27\}$ , ogf]  
A175806 30.9059 [ $-27/(2*x-1)$  ogf]  
A175806 31.5927  $-3/2*\ln(3)+1/2*\ln(27+2*x)$  revegf  
A175806 71.8016  $-2/(-1+2*x)$  lgdogf  
A175812 11.0615  $-(-2+6*x+3*x^7+5*x^6+6*x^5+6*x^4+11*x^3+9*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^4+1)$  lgdogf  
A175812 11.5262 [ $x*(x^4+1)/(x^2+x+1)/(x+1)/(x-1)^4$  ogf]  
A175812 20.4188 [ $-x^7+x^3+x^2+x+2$  ogf\_with\_Euler\_transform]  
A175822 14.6186 [ $-x^9+x^6-x^5+x^4+x^2+x+2$  ogf\_with\_Euler\_transform]  
A175822 6.86459 [ $x*(x+1)*(x^2-x+1)*(x^4-x^3+x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A175824 10.4020 [ $255*x/(256*x-1)/(x-1)$  ogf]  
A175824 15.1665  $-(-257+512*x)/(256*x-1)/(x-1)$  lgdogf  
A175824 5.14120 [ $\{a(n+2)-257*a(n+1)+256*a(n), a(0) = 0, a(1) = 255\}$ , ogf]  
A175824 6.19478  $-1/512*(-255-257*x+(15*x+17)^{(1/2)}*(17*x$

+15)^(1/2)\*17^(1/2)\*15^(1/2))/x revogf  
A175825 11.5181 [ (128\*x+127)/(256\*x-1)/(x-1) ogf]  
A175825 6.63541 [ {-a(n+2)+257\*a(n+1)-256\*a(n), a(0) = 127, a(1) = 32767}, ogf]  
A175825 6.83401 -1/256\*(-127-257\*x+(16129+65790\*x+65025\*x^2)^(1/2))/(-1+2\*x)  
revogf  
A175825 7.45529 -(-32767+65024\*x+32768\*x^2)/(x-1)/(256\*x-1)/(128\*x+127) lgdogf  
A175826 10.9985 -(2+2\*x+3\*x^7-x^6+5\*x^5-3\*x^4+8\*x^3)/(x-1)/(x+1)/(x^2+1)/(x^4-x^3+x^2-x+1) lgdogf  
A175826 20.0372 [-x^9+x^4+x^3+x+2 ogf\_with\_Euler\_transform]  
A175826 7.30694 [ x\*(x^4-x^3+x^2-x+1)/(x+1)/(x^2+1)/(x-1)^4 ogf]  
A175827 6.37761 [ x\*(x^10-x^9+x^7+x^3-x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^4 ogf]  
A175828 10.5943 -2\*(1+14\*x+x^5+10\*x^4+25\*x^3+21\*x^2)/(x-1)/(x+1)/(2\*x^4+9\*x^3+11\*x^2+x+1) lgdogf  
A175828 8.39043 [ -(2\*x^4+9\*x^3+11\*x^2+x+1)/(x+1)^2/(x-1)^3 ogf]  
A175829 13.1470 [ -(x^2-x+1)\*(x^9-x^2-2\*x-2) ogf\_with\_Euler\_transform]  
A175829 6.34665 [ x\*(x+1)\*(x^2-x+1)\*(x^4-x^3+x^2-x+1)\*(x^4-x^2+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4 ogf]  
A175831 10.6266 -(2+4\*x+3\*x^7+5\*x^6+x^5-x^4+5\*x^3+5\*x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^4-x^2+1) lgdogf  
A175831 17.2639 [-x^11+x^5+x^3+x^2+2 ogf\_with\_Euler\_transform]  
A175831 9.85384 [ x\*(x^4-x^2+1)/(x^2+x+1)/(x+1)/(x-1)^4 ogf]  
A175833 11.9478 [{a(n+3)-a(n), a(0) = 4, a(1) = 7, a(2) = 11}, ogf]  
A175833 14.7888 -(7+22\*x+11\*x^4+14\*x^3+12\*x^2)/(x-1)/(x^2+x+1)/(11\*x^2+7\*x+4) lgdogf  
A175833 18.3995 [ -(11\*x^2+7\*x+4)/(x-1)/(x^2+x+1) ogf]  
A175842 4.85411 [ x\*(x^14-x^13+x^11-x^10+x^9+x^5-x^4+x^3-x+1)/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^4 ogf]  
A175846 17.0088 [-x^13+x^6+x^4+x^2+2 ogf\_with\_Euler\_transform]  
A175846 6.89795 [ x\*(x+1)\*(x^6-x^5+x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x-1)^4 ogf]  
A175848 12.4932 [-x^11-x^9+x^7+x^5+x^4+x^3+2 ogf\_with\_Euler\_transform]  
A175848 5.85272 -(2+3\*x^15-x^14+3\*x^4+4\*x^3+7\*x^11+3\*x^10+3\*x^9-7\*x^8+16\*x^7-4\*x^6+3\*x^5)/(x-1)/(x+1)/(x^2+1)/(x^4-x^3+x^2-x+1)/(x^4+1)/(x^4-x^2+1) lgdogf  
A175848 6.76958 [ x\*(x^4-x^3+x^2-x+1)\*(x^4-x^2+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^4 ogf]  
A175852 5.13844 [ -5\*(1953125\*x^6+78125\*x^5+15625\*x^4+625\*x^3+125\*x^2+5\*x+1)/(9765625\*x^7-1) ogf]  
A175868 11.9844 [-x^13-x^11+x^9+x^6+x^5+x^3+2 ogf\_with\_Euler\_transform]  
A175868 5.62106 [ x\*(x^6-x^5+x^4-x^3+x^2-x+1)\*(x^4-x^2+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^4 ogf]  
A175870 6.54145 -(2+4\*x+6\*x^2+8\*x^3+4\*x^4+6\*x^5-2\*x^6+2\*x^7+3\*x^11+5\*x^10+7\*x^9+3\*x^8)/(-1+x)/(x+1)/(x^2+1)/(x^2+x+1)/(x^6-x^3+1) lgdogf  
A175870 6.64584 [ x\*(x^6-x^3+1)/(x^2+x+1)/(x+1)/(x^2+1)/(x-1)^4 ogf]  
A175884 10.8336 [ x\*(3\*x^4+2\*x^3+3\*x^2+2\*x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A175884 8.16082 -(4+10\*x+18\*x^5+22\*x^4+21\*x^3+6\*x^8+13\*x^2+17\*x^6+9\*x^7)/(x-1)/(x^4+x^3+x^2+x+1)/(3\*x^4+2\*x^3+3\*x^2+2\*x+2) lgdogf  
A175885 13.4016 [ (x^2+9\*x+1)/(x-1)^2/(x+1) ogf]  
A175885 17.8104 -(10+14\*x+19\*x^2+x^3)/(x-1)/(x+1)/(x^2+9\*x+1) lgdogf  
A175885 7.17101 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 10, a(2) = 12}, ogf]  
A175886 13.0607 [ (x^2+11\*x+1)/(x-1)^2/(x+1) ogf]  
A175886 17.2567 -(12+16\*x+23\*x^2+x^3)/(x-1)/(x+1)/(x^2+11\*x+1) lgdogf  
A175886 7.10318 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 12, a(2) = 14}, ogf]  
A175887 13.1894 [ (x^2+13\*x+1)/(x-1)^2/(x+1) ogf]  
A175887 17.4301 -(14+18\*x+27\*x^2+x^3)/(x-1)/(x+1)/(x^2+13\*x+1) lgdogf  
A175887 7.17317 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 14, a(2) = 16}, ogf]

A175895 19.2492  $x*(1+x^2-3*x)/(1+x+x^2)/(x-1)^2$  revogf  
A175898 6.40216  $[-(x^6+3*x^5+9*x^4+9*x^3+9*x^2+3*x+1)/(x+1)^2/(x-1)^5$  ogf]  
A175898 8.18458  $-(6+34*x+9*x^6+42*x^5+78*x^4+108*x^3+x^7+72*x^2)/(x-1)/(x+1)/(x^6+3*x^5+9*x^4+9*x^3+9*x^2+3*x+1)$  lgdogf  
A175899 11.9220  $[-x*(8*x^2+3*x+2)/(2*x^4+x^3+x^2-1)$  ogf]  
A175899 11.9346  $-(3+20*x+32*x^5+26*x^4+22*x^3+9*x^2)/(8*x^2+3*x+2)/(2*x^4+x^3+x^2-1)$  lgdogf  
A175912 13.6342  $1/2*(-1+2*x+4*x^2+(1-4*x+4*x^3)^(1/2))/x/(1+x)$  revogf  
A175921 10.1627  $[-(x^4-x^3+2*x^2+2*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A175921 7.53264  $-(2+4*x+6*x^6+8*x^5-2*x^7+5*x^4+4*x^3+x^8-3*x^2)/(x-1)/(x^4-x^3+2*x^2+2*x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A175922 12.6687  $[-(2*x^4-x^3+2*x^2+x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A175922 9.23399  $-(1+4*x+2*x^8-2*x^7+6*x^6+4*x^5+5*x^4+8*x^3-3*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(2*x^4-x^3+2*x^2+x+1)$  lgdogf  
A175925 10.6111  $[-(3*x+1)/(x-1)^3$  egf]  
A175925 16.6852  $-1/2*(-1-2*x+(1+8*x)^(1/2))/(x-1)$  revegfg  
A175925 25.0277  $-6*(x+1)/(3*x+1)/(x-1)$  lgdegf  
A175925 3.28882  $[{-3*n^2-15*n-18}*a(n+1)+(-2*n^2-13*n-30)*a(n+2)+(2*n+6)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 30}$ , ogf]  
A175971 6.72605  $-(1+18*x+27*x^8+2*x^9+96*x^7+75*x^2+32*x^3+173*x^4+x^10+186*x^5+37*x^6)/(x-1)/(x^2+x+1)/(x^8+x^7+9*x^6+22*x^5+6*x^4+22*x^3+9*x^2+x+1)$  lgdogf  
A175971 7.22057  $[-16*(x^8+x^7+9*x^6+22*x^5+6*x^4+22*x^3+9*x^2+x+1)/(x-1)^3/(x^2+x+1)^3$  ogf]  
A175976 10.4422  $[-(17*x^2-10*x+2)/(4*x-1)/(x-1)^2$  ogf]  
A175976 12.9029  $-2*(-1+34*x^3-6*x^2)/(x-1)/(4*x-1)/(17*x^2-10*x+2)$  lgdogf  
A175976 5.82173  $[{a(n+3)-6*a(n+2)+9*a(n+1)-4*a(n), a(0) = 2, a(1) = 2, a(2) = 11}$ , ogf]  
A176006 10.8492  $-(x^2-6*x+1+((x^2-6*x+1)*(x-1)^2)^(1/2))/(x^2-6*x+1)/(x-1)$  lgdogf  
A176006 3.79862  $[{a(n)*n+(-7*n-9)*a(n+1)+(7*n+12)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 4}$ , ogf]  
A176010 12.5627  $[(14*x^2+69*x+14)/(x-1)^2/(x+1)$  ogf]  
A176010 14.3400  $-(83+139*x+14*x^3+152*x^2)/(x-1)/(x+1)/(14*x^2+69*x+14)$  lgdogf  
A176010 6.93116  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 14, a(1) = 83, a(2) = 111}$ , ogf]  
A176027 10.9672  $[x*(4*x-3)/(2*x-1)^3$  ogf]  
A176027 23.1929  $-2*(-7+8*x)/(2*x-1)/(4*x-3)$  lgdogf  
A176027 5.62918  $[{a(n+3)-6*a(n+2)+12*a(n+1)-8*a(n), a(0) = 0, a(1) = 3, a(2) = 14}$ , ogf]  
A176037 4.45870  $[{(-n^3-9*n^2-26*n-24)*a(n+1)+a(n+2), a(0) = 2, a(1) = 12}$ , ogf]  
A176040 15.4890  $[{-a(n+2)+a(n), a(0) = 3, a(1) = 1}$ , ogf]  
A176040 20.2641  $-\arcsinh(1/4*2^(1/2))+\arcsinh(1/4*2^(1/2)*(1+x))$  revegfg  
A176040 24.1779  $[-(x+3)/(x-1)/(x+1)$  ogf]  
A176040 32.4226  $-(1+6*x+x^2)/(x-1)/(x+3)/(x+1)$  lgdogf  
A176059 15.4890  $[{-a(n+2)+a(n), a(0) = 3, a(1) = 2}$ , ogf]  
A176059 20.2641  $-\arcsinh(2/5*5^(1/2))+\arcsinh(1/5*5^(1/2)*(x+2))$  revegfg  
A176059 24.1779  $[-(2*x+3)/(x-1)/(x+1)$  ogf]  
A176059 28.6082  $-2*(1+3*x+x^2)/(x-1)/(2*x+3)/(x+1)$  lgdogf  
A176060 21.7717  $-(13+14*x+3*x^2)/(x-1)/(x+2)/(x+1)$  lgdogf  
A176060 3.77423  $[{(6+2*n)*a(n+4)+(-11+n)*a(n+3)+(-16-2*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 13, a(3) = 46}$ , ogf]  
A176060 9.04905  $[-x*(x+2)*(x+1)/(x-1)^5$  ogf]  
A176067 10.4540  $[(110*x^2-101*x+1)/(100*x-1)/(x-1)$  ogf]  
A176067 6.01600  $[{-a(n+3)+101*a(n+2)-100*a(n+1), a(0) = 1, a(1) = 0, a(2) = 10}$ , ogf]  
A176067 9.02559  $-10*x*(-2+101*x)/(x-1)/(100*x-1)/(110*x^2-101*x+1)$  lgdogf  
A176085 11.6115  $-(6*x^2+15*x-4+((-1+4*x)*(-1+2*x)^2)^(1/2))/(x^2+4*x-1)/(-1+4*x)$  lgdogf  
A176085 3.84239  $[{(-4*n-6)*a(n+1)+(-15*n-22)*a(n+2)+(8*n+14)*a(n+3)+(-n-2)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 11}$ , ogf]

A176118 17.9275  $-n*a(n)+(-1-n)*a(n+1), a(0)=-1, a(1)=-1$  lgdegf  
A176126 12.2098  $-(1-6*x-2*x^9+10*x^4-32*x^3+x^10-27*x^6+4*x^7-x^8+4*x^5+12*x^2)/(x-1)/(x^2+1)/(x^4-x^3+3*x^2-x+1)/(x^4-x^3-2*x^2-x+1)$  lgdogf  
A176126 8.92739  $[(x^4-x^3+3*x^2-x+1)*(x^4-x^3-2*x^2-x+1)/(x-1)^3/(x^2+1)^3$  ogf]  
A176145 19.2542  $-(-5-6*x+2*x^3-6*x^2)/(x-1)/(x^3-3*x^2-1)$  lgdogf  
A176145 4.52253  $[{(7*n^2+45*n+62)*a(n+1)+(-11*n^2-39*n+2)*a(n+2)+(4*n^2+6*n-4)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 5}$ , ogf]  
A176145 9.64442  $[x*(x^3-3*x^2-1)/(x-1)^5$  ogf]  
A176174 11.6551  $-1/2*(-1-10*x+((1+6*x)*(1+10*x))^(1/2))/(1+10*x)$  revogf  
A176174 12.1536  $[-(x-1)/(10*x^2-10*x+1)$  ogf]  
A176174 14.7222  $-(9-20*x+10*x^2)/(x-1)/(10*x^2-10*x+1)$  lgdogf  
A176174 6.80025  $[{-a(n+2)+10*a(n+1)-10*a(n), a(0) = 1, a(1) = 9}$ , ogf]  
A176177 17.7028  $[-x*(x+1)/(x-1)/(3*x-1)^2$  ogf]  
A176177 26.7490  $-2*(-4+3*x+3*x^2)/(x-1)/(-1+3*x)/(x+1)$  lgdogf  
A176177 9.16750  $[{a(n+3)-7*a(n+2)+15*a(n+1)-9*a(n), a(0) = 0, a(1) = 1, a(2) = 8}$ , ogf]  
A176222 14.4184  $[x*(x-3)/(x+1)/(x-1)^3$  ogf]  
A176222 21.1249  $-(-5-10*x+3*x^2)/(-1+x)/(x-3)/(x+1)$  lgdogf  
A176222 4.17183  $[{(9+3*n)*a(n+4)+(-7-n)*a(n+3)+(-13-3*n)*a(n+2)+(n+3)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 5, a(3) = 10}$ , ogf]  
A176260 15.4890  $[{-a(n+2)+a(n), a(0) = 5, a(1) = 1}$ , ogf]  
A176260 19.4536  $-\operatorname{arcsinh}(1/12*6^(1/2))+\operatorname{arcsinh}(1/12*6^(1/2)*(1+x))$  revegff  
A176260 24.1779  $[-(x+5)/(x-1)/(x+1)$  ogf]  
A176260 31.3767  $-(1+10*x+x^2)/(x+5)/(x-1)/(x+1)$  lgdogf  
A176271 10.8318  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 3}$ , ogf]  
A176271 19.7379  $[(x+1)/(x-1)^2$  ogf]  
A176271 26.4075  $-1/2*(-1-2*x+(8*x+1)^(1/2))/(x-1)$  revogf  
A176271 42.1415  $[[3-x]$  ogf\_with\_Euler\_transform]  
A176271 48.4137  $-(x+3)/(x-1)/(x+1)$  lgdogf  
A176280 20.1650  $-2*(-1+3*x+3*x^2)/(4*x-1)/(x^2+4*x-1)$  lgdogf  
A176280 3.77680  $[{(n+4)*a(n+4)+(-26-8*n)*a(n+3)+(36+15*n)*a(n+2)+(10+4*n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 26}$ , ogf]  
A176281 5.26019  $[{-a(n+3)+8*a(n+2)-16*a(n+1)+8*a(n), a(0) = 1, a(1) = 3, a(2) = 12}$ , ogf]  
A176281 8.76564  $-(3-24*x+72*x^2-80*x^3+32*x^4)/(x-1)/(-1+4*x)/(2*x-1)/(4*x^2-6*x+1)$  lgdogf  
A176281 9.67197  $[-(4*x-1)*(x-1)/(2*x-1)/(4*x^2-6*x+1)$  ogf]  
A176288 10.3611  $-(3+3*x+32*x^4+12*x^2-88*x^3)/(4*x^2-3*x+1)/(8*x^3-14*x^2+3*x-1)$  lgdogf  
A176288 7.81627  $[-(8*x^3-14*x^2+3*x-1)/(4*x^2-3*x+1)^2$  ogf]  
A176290 6.40338  $[-(x^3-4*x^2+8*x-1)/(x^2-5*x+1)^2$  ogf]  
A176290 9.89661  $-(2-36*x+21*x^2-3*x^3+x^4)/(x^2-5*x+1)/(x^3-4*x^2+8*x-1)$  lgdogf  
A176303 11.4289  $[(252*x^8+2*x^7-253*x+126)/(2*x-1)/(x-1)$  ogf]  
A176303 8.08333  $(125-504*x-5272*x^8+14*x^6+1980*x^7+506*x^2+3024*x^9)/(x-1)/(2*x-1)/(252*x^8+2*x^7-253*x+126)$  lgdogf  
A176326 7.34573  $-(-9-22*x+14*x^6+24*x^5-17*x^3+14*x^7+26*x^4-18*x^2)/(x-1)/(x^2+x+1)/(14*x^5+7*x^4+8*x^3-11*x^2-9*x-7)$  lgdogf  
A176326 7.79405  $[-(14*x^5+7*x^4+8*x^3-11*x^2-9*x-7)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A176332 10.8023  $(-6*x^2+9*x-5+(-(4*x-1)*(x+1)^2)^(1/2))/(x^2-2*x+2)/(4*x-1)$  lgdogf  
A176333 13.6840  $[-(3*x-1)/(9*x^2-4*x+1)$  ogf]  
A176333 15.4372  $-1/6*(-1-4*x+(1-4*x-20*x^2)^(1/2))/(1+3*x)$  revogf  
A176333 16.6247  $-(1-18*x+27*x^2)/(-1+3*x)/(9*x^2-4*x+1)$  lgdogf  
A176333 7.50952  $[{a(n+2)-4*a(n+1)+9*a(n), a(0) = 1, a(1) = 1}$ , ogf]  
A176355 15.4890  $[{-a(n+2)+a(n), a(0) = 6, a(1) = 1}$ , ogf]  
A176355 18.7053  $-\operatorname{arcsinh}(1/35*35^(1/2))+\operatorname{arcsinh}(1/35*35^(1/2)*(1+x))$  revegff  
A176355 24.1779  $[-(x+6)/(x-1)/(x+1)$  ogf]  
A176355 31.3767  $-(1+12*x+x^2)/(x-1)/(x+6)/(x+1)$  lgdogf  
A176367 11.3121  $[8*x/(x^2-126*x+1)$  ogf]  
A176367 18.0615  $-2*(-63+x)/(x^2+1-126*x)$  lgdogf  
A176367 5.31531  $[{a(n+2)-126*a(n+1)+a(n), a(0) = 0, a(1) = 8}$ , ogf]

A176367 8.33609  $-( -63x-4+2(31x+2)^{1/2}(1+16x)^{1/2}2^{1/2} )/x$  revogf  
A176368 10.2355  $-(129-2x+129x^2)/(129x-1)/(x^2-258x+1)$  lgdogf  
A176368 5.11429  $[ \{ a(n+2)-258a(n+1)+a(n), a(0) = 1, a(1) = 129 \},$  ogf]  
A176368 8.97610  $[ -(129x-1)/(x^2-258x+1)$  ogf]  
A176369 10.3745  $[ 16x/(x^2-258x+1)$  ogf]  
A176369 16.3010  $-2*(-129+x)/(x^2+1-258x)$  lgdogf  
A176369 4.94024  $[ \{ a(n+2)-258a(n+1)+a(n), a(0) = 0, a(1) = 16 \},$  ogf]  
A176369 9.05612  $-( -8-129x+4(65x+4)^{1/2}(1+16x)^{1/2} )/x$  revogf  
A176370 11.8382  $-(65-2x+65x^2)/(65x-1)/(x^2-130x+1)$  lgdogf  
A176370 5.55236  $[ \{ a(n+2)-130a(n+1)+a(n), a(0) = 1, a(1) = 65 \},$  ogf]  
A176370 9.83231  $[ -(65x-1)/(x^2-130x+1)$  ogf]  
A176372 11.3778  $[ 8x/(x^2-130x+1)$  ogf]  
A176372 18.1684  $-2*(-65+x)/(x^2+1-130x)$  lgdogf  
A176372 5.34622  $[ \{ a(n+2)-130a(n+1)+a(n), a(0) = 0, a(1) = 8 \},$  ogf]  
A176372 8.38541  $-( -65x-4+2(33x+2)^{1/2}(1+16x)^{1/2}2^{1/2} )/x$  revogf  
A176373 7.98605  $-1/2*(-1-97684x+(1+9542163852x^2)^{1/2})/(48842+x)$  revogf  
A176377 11.4188  $-(251-2x+251x^2)/(251x-1)/(x^2-502x+1)$  lgdogf  
A176377 5.69217  $[ \{ a(n+2)-502a(n+1)+a(n), a(0) = 1, a(1) = 251 \},$  ogf]  
A176377 9.99035  $[ -(251x-1)/(x^2-502x+1)$  ogf]  
A176378 11.4927  $[ 30x/(x^2-502x+1)$  ogf]  
A176378 18.0901  $-2*(-251+x)/(x^2+1-502x)$  lgdogf  
A176378 5.47271  $[ \{ a(n+2)-502a(n+1)+a(n), a(0) = 0, a(1) = 30 \},$  ogf]  
A176378 7.53756  $-( -15-251x+(84x+5)^{1/2}(50x+3)^{1/2}5^{1/2}3^{1/2} )/x$  revogf  
A176380 7.11708  $-2*(1740-x+1740x^2)/(3480x-1)/(x^2-6960x+1)$  lgdogf  
A176381 11.4744  $-2*(-3480+x)/(x^2+1-6960x)$  lgdogf  
A176386 7.16485  $-(3699-2x+3699x^2)/(3699x-1)/(x^2-7398x+1)$  lgdogf  
A176387 11.5557  $-2*(-3699+x)/(x^2+1-7398x)$  lgdogf  
A176409 8.19698  $[ (3x^8+3x^7+x^6+2x^5+3x^4+2x^3+x^2+3x+3)/(x^2+x+1)/$   
 $(x^6+x^3+1)/(x-1)^2$  ogf]  
A176413 12.1126  $[ \{ a(n+1)-3a(n), a(0) = 19 \},$  ogf]  
A176413 24.2021  $-1/3*\ln(19)+1/3*\ln(19+3x)$  revegf  
A176413 24.6910  $[ -19/(3x-1)$  ogf]  
A176413 57.2049  $-3/(-1+3x)$  lgdogf  
A176414 16.5635  $[ (7+8x)/(2x+1)$  ogf]  
A176414 17.4736  $-7/16+1/8x+1/16*(49+4x+4x^2)^{1/2}$  revogf  
A176414 35.9179  $-6/(8x+7)/(2x+1)$  lgdogf  
A176414 8.51179  $[ \{ -a(n+2)-2a(n+1), a(0) = 7, a(1) = -6 \},$  ogf]  
A176415 15.4890  $[ \{ -a(n+2)+a(n), a(0) = 7, a(1) = 1 \},$  ogf]  
A176415 19.4536  $-\operatorname{arcsinh}(1/12*3^{1/2})+\operatorname{arcsinh}(1/12*3^{1/2}*(1+x))$  revegf  
A176415 24.1779  $[ -(x+7)/(x-1)/(x+1)$  ogf]  
A176415 31.3767  $-(1+14x+x^2)/(x-1)/(x+7)/(x+1)$  lgdogf  
A176447 13.9760  $[ x*(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A176447 25.7485  $[-x^5+x^2+3x-1$  ogf\_with\_Euler\_transform]  
A176447 7.41336  $[ \{ (n+3)*a(n+1)+(-n-1)*a(n+3), a(0) = 0, a(1) = 1, a(2) = -1 \},$   
ogf]  
A176448 15.4188  $[ -(3x-5)/(2x-1)/(x-1)$  ogf]  
A176448 16.5912  $-1/2*(-5-3x+(25+18x+x^2)^{1/2})/(3+2x)$  revogf  
A176448 17.4421  $-2*(6-10x+3x^2)/(3x-5)/(x-1)/(2x-1)$  lgdogf  
A176448 8.35958  $[ \{ -a(n+2)+3a(n+1)-2a(n), a(0) = 5, a(1) = 12 \},$  ogf]  
A176449 14.6665  $[ -(5x-7)/(2x-1)/(x-1)$  ogf]  
A176449 15.7688  $-1/2*(-7-3x+(49+22x+x^2)^{1/2})/(5+2x)$  revogf  
A176449 16.5775  $-2*(5x-4)*(x-2)/(x-1)/(-1+2x)/(5x-7)$  lgdogf  
A176449 7.95170  $[ \{ -a(n+2)+3a(n+1)-2a(n), a(0) = 7, a(1) = 16 \},$  ogf]  
A176476 7.40657  $-( -6+18x+4x^3-15x^2)/(-1+x)/(x^3-4x^2+5x-1)$  lgdogf  
A176476 7.49137  $[ 1/(x-1)/(x^3-4x^2+5x-1)$  ogf]  
A176479 16.4855  $-(x-3+(x^2+1-6x)^{1/2})/(x^2+1-6x)$  lgdogf  
A176479 4.86179  $[ \{ (-n^2-2n)*a(n)+(6n^2+15n+9)*a(n+1)+(-n^2-3n-2)*a(n+2),$   
 $a(0) = 1, a(1) = 2 \},$  ogf]  
A176513 10.4195  $[ (x^2+x+1)*(x-1)*(x+1)/(x^5+x^3+x^2-1)$  ogf]  
A176513 8.98175  $-( -1-2x-x^6-6x^5+x^8+2x^7-6x^4-x^2+2x^3)/(x-1)/(x+1)/(x^2+x$

+1)/(x^5+x^3+x^2-1) lgdogf  
A176514 12.1924 [ -(x^5+2\*x^4+3\*x^3+x^2+x+3)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) ogf]  
A176514 7.26492 -(1+2\*x+x^10+4\*x^7+9\*x^8+9\*x^2+8\*x^3+5\*x^4+18\*x^5+5\*x^6+4\*x^9)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^5+2\*x^4+3\*x^3+x^2+x+3) lgdogf  
A176542 10.5571 -(25+73\*x+4\*x^5-2\*x^4-11\*x^3+19\*x^2)/(x-1)/(x+1)/(4\*x^4-3\*x^3-8\*x^2+9\*x+16) lgdogf  
A176542 8.40638 [ -2\*(4\*x^4-3\*x^3-8\*x^2+9\*x+16)/(x+1)^2/(x-1)^3 ogf]  
A176563 14.0436 [ -(x^2+2\*x-1)/(x+1)/(x^2+1) ogf]  
A176563 18.4859 -(3-4\*x+x^4+4\*x^3-2\*x^2)/(x+1)/(x^2+1)/(x^2+2\*x-1) lgdogf  
A176563 7.64876 [{-a(n+3)-a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = -3, a(2) = 1}], ogf]  
A176592 17.3841 [ (11\*x+1)/(x-1)^2/(x+1)^2 ogf]  
A176592 23.0424 -(11+4\*x+33\*x^2)/(x-1)/(11\*x+1)/(x+1) lgdogf  
A176592 4.30300 [{(-n-4)\*a(n+4)+(-22-11\*n)\*a(n+3)+(6+n)\*a(n+2)+(44+11\*n)\*a(n+1), a(0) = 1, a(1) = 11, a(2) = 2, a(3) = 22}], ogf]  
A176593 17.8664 [ (13\*x+1)/(x-1)^2/(x+1)^2 ogf]  
A176593 23.6925 -(13+4\*x+39\*x^2)/(x-1)/(13\*x+1)/(x+1) lgdogf  
A176593 4.42237 [{(-n-4)\*a(n+4)+(-26-13\*n)\*a(n+3)+(6+n)\*a(n+2)+(52+13\*n)\*a(n+1), a(0) = 1, a(1) = 13, a(2) = 2, a(3) = 26}], ogf]  
A176632 4.02224 [{a(n+4)-7\*a(n+3)+14\*a(n+2)-8\*a(n+1), a(0) = 77, a(1) = 897, a(2) = 3333, a(3) = 12813}], ogf]  
A176632 5.92839 -3\*(299-1964\*x+4728\*x^2-4736\*x^3+1664\*x^4)/(-1+x)/(2\*x-1)/(-1+4\*x)/(1424\*x^3-1868\*x^2+358\*x+77) lgdogf  
A176632 7.28076 [ -(1424\*x^3-1868\*x^2+358\*x+77)/(x-1)/(2\*x-1)/(4\*x-1) ogf]  
A176633 5.32574 [{-a(n+3)+6\*a(n+2)-8\*a(n+1), a(0) = 83, a(1) = 708, a(2) = 2952}], ogf]  
A176633 9.71030 -12\*(59-216\*x+176\*x^2)/(2\*x-1)/(-1+4\*x)/(632\*x^2-210\*x-83) lgdogf  
A176633 9.91690 [ -(632\*x^2-210\*x-83)/(4\*x-1)/(2\*x-1) ogf]  
A176634 3.96618 [{a(n+4)-7\*a(n+3)+14\*a(n+2)-8\*a(n+1), a(0) = 89, a(1) = 519, a(2) = 2063, a(3) = 8223}], ogf]  
A176634 7.31425 [ -(336\*x^3-324\*x^2-104\*x+89)/(x-1)/(2\*x-1)/(4\*x-1) ogf]  
A176635 12.1159 -2\*(121-456\*x+400\*x^2)/(100\*x-57)/(4\*x-1)/(2\*x-1) lgdogf  
A176635 12.3684 -1/8\*(-57-6\*x+(3249+284\*x+4\*x^2)^(1/2))/(25+2\*x) revogf  
A176635 12.6221 [ -(100\*x-57)/(4\*x-1)/(2\*x-1) ogf]  
A176635 7.12775 [{-a(n+2)+6\*a(n+1)-8\*a(n), a(0) = 57, a(1) = 242}], ogf]  
A176636 13.4722 [{a(n+2)-a(n), a(0) = 57, a(1) = 71}], ogf]  
A176636 20.6782 [ -(71\*x+57)/(x-1)/(x+1) ogf]  
A176636 21.2738 1/2/(71+x)\*(-57+(3249+284\*x+4\*x^2)^(1/2)) revogf  
A176636 21.8057 -(71+114\*x+71\*x^2)/(x-1)/(71\*x+57)/(x+1) lgdogf  
A176640 6.59855 [ x\*(4\*x^3-4\*x^2+2\*x+1)/(x+1)/(2\*x+1)/(2\*x-1)^2/(x-1)^2 ogf]  
A176640 6.91564 -(-5-13\*x-14\*x^2+44\*x^3+16\*x^4-40\*x^5+48\*x^6)/(x-1)/(2\*x+1)/(2\*x-1)/(x+1)/(4\*x^3-4\*x^2+2\*x+1) lgdogf  
A176646 10.8785 [ 30\*x\*(2\*x^3+25\*x^2+20\*x+1)/(x-1)^6 ogf]  
A176646 21.5510 -2\*(13+75\*x+53\*x^2+3\*x^3)/(x-1)/(2\*x^3+25\*x^2+20\*x+1) lgdogf  
A176646 5.76560 [{(-943\*n^2-6077\*n-9744)\*a(n+1)+(38\*n^2-6248\*n-15906)\*a(n+2)+(905\*n^2+3085\*n+2550)\*a(n+3), a(0) = 0, a(1) = 30, a(2) = 780}], ogf]  
A176662 12.6836 [ (12\*x^3-6\*x^2-x+2)/(2\*x-1)^2 ogf]  
A176662 15.4530 (-7+14\*x+24\*x^3-36\*x^2)/(2\*x-1)/(12\*x^3-6\*x^2-x+2) lgdogf  
A176662 6.77917 [{-a(n+4)+4\*a(n+3)-4\*a(n+2), a(0) = 2, a(1) = 7, a(2) = 14, a(3) = 40}], ogf]  
A176672 8.85993 [ (x^7+5\*x^6+2\*x^5+11\*x^4+5\*x^3+7\*x^2+x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2 ogf]  
A176675 13.3380 1/4+1/4\*x-1/4\*x^2-1/4\*(1-6\*x+7\*x^2-2\*x^3+x^4)^(1/2) revogf  
A176691 11.5335 [ (x^2+3\*x-2)/(2\*x-1)/(x-1)^2 ogf]  
A176691 14.3684 -(5-17\*x+14\*x^2+2\*x^3)/(x-1)/(2\*x-1)/(x^2+3\*x-2) lgdogf  
A176691 6.28165 [{a(n+3)-4\*a(n+2)+5\*a(n+1)-2\*a(n), a(0) = 2, a(1) = 5, a(2) = 9}], ogf]  
A176697 4.74276 [{(-4\*n-2)\*a(n+1)+(-4\*n-14)\*a(n+3)+(n+5)\*a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 7}], ogf]

A176710 10.5833 [  $-(2*x+1)/(12*x^2-1)$  ogf]  
A176710 11.6844  $-2*(1+12*x+12*x^2)/(2*x+1)/(12*x^2-1)$  lgdogf  
A176710 11.6844  $1/4*(-1+(1+8*x+48*x^2)^{(1/2)})/(1+6*x)$  revogf  
A176710 6.83846 [  $\{-a(n+2)+12*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A176711 10.6280  $-(95-340*x-186*x^2-20*x^3+x^4)/(x-1)/(x^4-12*x^3-50*x^2-60*x-7)$   
lgdogf  
A176711 6.86796 [  $3*(x^4-12*x^3-50*x^2-60*x-7)/(x-1)^5$  ogf]  
A176712 6.44640 [  $-3*(39*x^4+124*x^3-590*x^2+460*x+95)/(x-1)^5$  ogf]  
A176712 8.90048  $-(935+660*x+39*x^4+404*x^3-1398*x^2)/(x-1)/$   
 $(39*x^4+124*x^3-590*x^2+460*x+95)$  lgdogf  
A176730 6.96356 [  $\{(9*n^2+33*n+30)*a(n+1)-a(n+2), a(0) = 1, a(1) = 6\}$ , ogf]  
A176731 7.16676 [  $\{(9*n^2+39*n+42)*a(n+1)-a(n+2), a(0) = 1, a(1) = 12\}$ , ogf]  
A176732 5.84097 [  $\{(-n-2)*a(n+1)+(-n-8)*a(n+2)+a(n+3), a(0) = 1, a(1) = 6, a(2) = 43\}$ , ogf]  
A176732 64.6960  $-(6+x)/(x-1)$  lgdegf  
A176733 5.37013 [  $\{(-n-2)*a(n+1)+(-n-9)*a(n+2)+a(n+3), a(0) = 1, a(1) = 7, a(2) = 57\}$ , ogf]  
A176733 59.4153  $-(7+x)/(x-1)$  lgdegf  
A176734 5.46280 [  $\{(-n-2)*a(n+1)+(-n-10)*a(n+2)+a(n+3), a(0) = 1, a(1) = 8, a(2) = 73\}$ , ogf]  
A176734 60.9132  $-(x+8)/(x-1)$  lgdegf  
A176735 5.61699 [  $\{(-n-2)*a(n+1)+(-n-11)*a(n+2)+a(n+3), a(0) = 1, a(1) = 9, a(2) = 91\}$ , ogf]  
A176735 62.6607  $-(9+x)/(x-1)$  lgdegf  
A176736 5.68754 [  $\{(-n-2)*a(n+1)+(-n-12)*a(n+2)+a(n+3), a(0) = 1, a(1) = 10, a(2) = 111\}$ , ogf]  
A176736 59.4537  $-(10+x)/(x-1)$  lgdegf  
A176737 24.5815 [  $-1/(x+1)/(3*x^2+x-1)$  ogf]  
A176737 28.5965  $-x*(8+9*x)/(x+1)/(3*x^2+x-1)$  lgdogf  
A176737 8.72247 [  $\{-a(n+3)+4*a(n+1)+3*a(n), a(0) = 1, a(1) = 0, a(2) = 4\}$ , ogf]  
A176738 23.8298 [  $-1/(x+1)/(4*x^2+x-1)$  ogf]  
A176738 25.8694  $-2*x*(5+6*x)/(x+1)/(4*x^2+x-1)$  lgdogf  
A176738 8.45574 [  $\{-a(n+3)+5*a(n+1)+4*a(n), a(0) = 1, a(1) = 0, a(2) = 5\}$ , ogf]  
A176739 22.9006  $-4*x*(1+3*x)/(2*x-1)/(2*x^2+2*x+1)$  lgdogf  
A176739 23.9178 [  $-1/(2*x-1)/(2*x^2+2*x+1)$  ogf]  
A176739 8.48697 [  $\{a(n+3)-2*a(n+1)-4*a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf]  
A176742 16.6508 [  $-(x-1)*(x+1)/(x^2+1)$  ogf]  
A176742 29.9099 [[ $x^3-2*x$ ] ogf\_with\_Euler\_transform]  
A176742 47.5513  $4*x/(x-1)/(x+1)/(x^2+1)$  lgdogf  
A176742 9.02757 [  $\{-a(n+3)-a(n+1), a(0) = 1, a(1) = 0, a(2) = -2\}$ , ogf]  
A176743 6.33461 [  $-(2*x^7-x^5-x^4-10*x^3-2*x^2-3*x-1)/(x-1)^2/(x+1)^2/(x^2+1)^2$   
ogf]  
A176758 16.0521 [  $2/(2*x-1)/(2*x^2+2*x-1)$  ogf]  
A176758 17.4352  $-4*(-1+x+3*x^2)/(2*x-1)/(2*x^2+2*x-1)$  lgdogf  
A176758 5.82421 [  $\{-a(n+3)+4*a(n+2)-2*a(n+1)-4*a(n), a(0) = 2, a(1) = 8, a(2) = 28\}$ , ogf]  
A176776 10.9003  $-(2*x^2+4*x-3)*(5*x^2-4*x+1)/(x-1)/(2*x-1)/(5*x^3-2*x^2-2*x+1)$   
lgdogf  
A176776 8.95691 [  $(5*x^3-2*x^2-2*x+1)/(2*x-1)/(x-1)^3$  ogf]  
A176777 10.8373  $-2*(-2+10*x+7*x^4-16*x^2+4*x^3)/(x-1)/(2*x-1)/(7*x^3-5*x^2-x+1)$   
lgdogf  
A176777 9.04694 [  $(7*x^3-5*x^2-x+1)/(2*x-1)/(x-1)^3$  ogf]  
A176778 11.4947  $-(-1+6*x^4+17*x^2-28*x^3)/(x-1)/(-1+3*x)/(2*x-1)/(x^2-3*x+1)$   
lgdogf  
A176778 8.79765 [  $-(3*x-1)*(x^2-3*x+1)/(2*x-1)/(x-1)^3$  ogf]  
A176780 33.3371 [[ $7-2*x$ ] ogf\_with\_Euler\_transform]  
A176780 34.6154  $-(3*x+7)/(x-1)/(x+1)$  lgdogf  
A176780 5.15544 [  $\{(-n-3)*a(n+3)+7*a(n+2)+(4+n)*a(n+1), a(0) = 6, a(1) = 42, a(2) = 156\}$ , ogf]  
A176780 8.82869 [  $-6*(x+1)^2/(x-1)^5$  ogf]  
A176785 23.9901  $-1/2*\ln(1-2*x+2*x^2)$  revegf

A176805 10.5755 [ (x+1)\*(5\*x-2)/(3\*x-1)/(x-1)^2 ogf]  
A176805 12.1552 -(7-31\*x+33\*x^2+15\*x^3)/(x-1)/(3\*x-1)/(-2+5\*x)/(x+1) lgdogf  
A176805 5.70888 [{a(n+3)-5\*a(n+2)+7\*a(n+1)-3\*a(n), a(0) = 2, a(1) = 7, a(2) = 16}, ogf]  
A176812 13.9834 [ -3\*(x+1)/(5\*x^2+2\*x-1) ogf]  
A176812 14.6796 1/2/(3+5\*x)\*(-3-2\*x+(9+24\*x+24\*x^2)^(1/2)) revogf  
A176812 17.6155 -(3+10\*x+5\*x^2)/(x+1)/(5\*x^2+2\*x-1) lgdogf  
A176812 7.67383 [{-a(n+2)+2\*a(n+1)+5\*a(n), a(0) = 3, a(1) = 9}, ogf]  
A176818 13.2577 [ -(6\*x-1)/(9\*x-1)/(2\*x-1) ogf]  
A176818 13.8893 -1/12\*(-1-11\*x+(1-2\*x+49\*x^2)^(1/2))/(1+3\*x) revogf  
A176818 14.9056 -(5-36\*x+108\*x^2)/(6\*x-1)/(2\*x-1)/(9\*x-1) lgdogf  
A176818 7.41800 [{a(n+2)-11\*a(n+1)+18\*a(n), a(0) = 1, a(1) = 5}, ogf]  
A176848 15.1725 [ (x^2+x+1)\*(x-1)^2/(x^4-2\*x^3-x+1) ogf]  
A176868 5.16192 [ -(84\*x^18-x^16-x^14-113\*x^12+4\*x^11-x^9-4\*x^8-x^7+x^6-5\*x^5+4\*x^2-1)/(x-1)/(2\*x+1)/(2\*x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) ogf]  
A176880 14.4285 -(3+2\*x-6\*x^2+8\*x^3)/(x^2+1-3\*x+2\*x^4-2\*x^3) lgdogf  
A176880 17.1358 [ 1/(2\*x^4-2\*x^3+x^2-3\*x+1) ogf]  
A176889 10.5000 [ -(x^4+2\*x^3-2\*x^2+2\*x+1)/(x+1)^3/(x-1)^3 ogf]  
A176889 12.6324 -2\*(1+x+x^5+3\*x^4+8\*x^2-2\*x^3)/(x-1)/(x+1)/(x^4+2\*x^3-2\*x^2+2\*x+1) lgdogf  
A176895 13.5094 -4\*(1+x+x^6+x^5+3\*x^4+3\*x^2+x^3)/(x-1)/(x+1)/(x^2+1)/(4\*x^3+2\*x^2+4\*x+1) lgdogf  
A176895 17.3911 [ -(4\*x^3+2\*x^2+4\*x+1)/(x-1)/(x+1)/(x^2+1) ogf]  
A176898 4.75961 [{(216\*n^2+1080\*n+1326)\*a(n+1)+(-2\*n^2-13\*n-21)\*a(n+2), a(0) = 5, a(1) = 231}, ogf]  
A176900 13.1328 -4\*(1+6\*x-24\*x^2+8\*x^3)/(4\*x^2-2\*x+1)/(1-8\*x+4\*x^2) lgdogf  
A176900 3.53697 [{(4\*n^2+28\*n+48)\*a(n+1)+(-2\*n^2-12\*n-16)\*a(n+2)+(n^2+5\*n+6)\*a(n+3), a(0) = 1, a(1) = -4, a(2) = -24}, ogf]  
A176900 8.79331 [ (4\*x^2-8\*x+1)/(4\*x^2-2\*x+1)^2 ogf]  
A176916 11.1048 -(11-71\*x+125\*x^2+95\*x^3)/(x-1)/(5\*x-1)/(19\*x^2+3\*x-2) lgdogf  
A176916 5.32197 [{a(n+3)-7\*a(n+2)+11\*a(n+1)-5\*a(n), a(0) = 2, a(1) = 11, a(2) = 36}, ogf]  
A176916 9.71470 [ (19\*x^2+3\*x-2)/(5\*x-1)/(x-1)^2 ogf]  
A176961 10.3709 [ (2\*x^2+x+1)/(2\*x-1)/(2\*x+1)/(x-1) ogf]  
A176961 5.64842 [{a(n+3)-a(n+2)-4\*a(n+1)+4\*a(n), a(0) = 1, a(1) = 2, a(2) = 8}, ogf]  
A176961 9.82569 -2\*(-1-6\*x+4\*x^3+4\*x^4+5\*x^2)/(x-1)/(1+2\*x)/(2\*x-1)/(2\*x^2+x+1) lgdogf  
A176963 10.4926 [ (8\*x^2+2\*x+1)/(x-1)/(4\*x-1)/(4\*x+1) ogf]  
A176963 5.74812 [{a(n+3)-a(n+2)-16\*a(n+1)+16\*a(n), a(0) = 1, a(1) = 3, a(2) = 27}, ogf]  
A176963 9.53415 -(3-48\*x+128\*x^4+24\*x^2+64\*x^3)/(x-1)/(4\*x+1)/(4\*x-1)/(8\*x^2+2\*x+1) lgdogf  
A176965 11.9799 [ (2\*x^2-x+1)/(2\*x-1)/(2\*x+1)/(x-1) ogf]  
A176965 12.2082 -2\*x\*(-6+4\*x^3-4\*x^2+9\*x)/(x-1)/(2\*x+1)/(2\*x-1)/(2\*x^2-x+1) lgdogf  
A176965 6.58352 [{a(n+3)-a(n+2)-4\*a(n+1)+4\*a(n), a(0) = 1, a(1) = 0, a(2) = 6}, ogf]  
A176968 8.60580 -2\*(1+8\*x-24\*x^3-9\*x^4+12\*x^5+36\*x^6)/(6\*x^3+x^2-2\*x-1)/(12\*x^4-9\*x^2+1) lgdogf  
A176968 9.58789 [ -(6\*x^3+x^2-2\*x-1)/(12\*x^4-9\*x^2+1) ogf]  
A176971 11.6491 [ -(x+1)/(x^3-x-1) ogf]  
A176971 21.6558 -x^2\*(2\*x+3)/(x+1)/(x^3-x-1) lgdogf  
A176971 5.69795 [{-a(n+3)-a(n+2)+a(n), a(0) = 1, a(1) = 0, a(2) = 0}, ogf]  
A176972 10.2176 -(15-127\*x+329\*x^2+287\*x^3)/(x-1)/(7\*x-1)/(41\*x^2+3\*x-2) lgdogf  
A176972 5.07971 [{a(n+3)-9\*a(n+2)+15\*a(n+1)-7\*a(n), a(0) = 2, a(1) = 15, a(2) = 64}, ogf]  
A176972 9.27249 [ (41\*x^2+3\*x-2)/(7\*x-1)/(x-1)^2 ogf]  
A176974 8.48252 [ -(x^7+x^6-x^5-x^4-5\*x^3-7\*x^2-x-1)/(x-1)^2/(x+1)^2/(x^2+1)^2 ogf]  
A176981 11.3726 [ (2\*x^2+2\*x-1)/(x^2+2\*x-1) ogf]



A176981 19.5303  $2*x*(x-1)/(2*x^2+2*x-1)/(x^2+2*x-1)$  lgdogf  
A176981 5.96779  $[{-a(n+3)+2*a(n+2)+a(n+1), a(0) = 1, a(1) = 0, a(2) = -1}]$ , ogf]  
A176995 5.32491  $[ -(x^{13}+x^{12}+x^{11}+x^{10}-x^9-x^8-x^7-x^6-x^5-2*x^4-2*x^3-2*x^2-2*x-2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$   
ogf]  
A177002 13.6756  $[ -(2*x^3+4*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A177002 8.85808  $[{-a(n+4)+a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 2}]$ , ogf]  
A177010 23.0154  $(x-1+(x^2-6*x+1)^{(1/2)})/(x^2-6*x+1)^{(1/2)}/x$  lgdogf  
A177010 4.45377  $[{(n^2-2*n)*a(n)+(-7*n^2+2*n+3)*a(n+1)+(7*n^2+16*n+6)*a(n+2)+(-n^2-4*n-3)*a(n+3), a(0) = 1, a(1) = -2, a(2) = -3}]$ , ogf]  
A177019 3.13572  $[{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 7, a(1) = 331, a(2) = 30301}]$ , ogf]  
A177019 5.33920  $[ -(1330*x^2-446*x+7)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A177022 10.3260  $[{-a(n+4)+a(n+3), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 1}]$ , ogf]  
A177022 18.7036  $[ (5*x^3-3*x^2-2*x-1)/(x-1)$  ogf]  
A177022 20.6953  $(3+6*x-18*x^2+10*x^3)/(x-1)/(5*x^3-3*x^2-2*x-1)$  lgdogf  
A177044 14.1200  $[ (38*x^2+27*x+38)/(x-1)^2/(x+1)$  ogf]  
A177044 16.4450  $-(65+217*x+38*x^3+92*x^2)/(x-1)/(x+1)/(38*x^2+27*x+38)$  lgdogf  
A177044 7.79032  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 38, a(1) = 65, a(2) = 141}]$ , ogf]  
A177046 14.1078  $[ (16*x^2+95*x+16)/(x-1)^2/(x+1)$  ogf]  
A177046 15.8453  $-(111+175*x+16*x^3+206*x^2)/(x-1)/(x+1)/(16*x^2+95*x+16)$  lgdogf  
A177046 7.71711  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 16, a(1) = 111, a(2) = 143}]$ , ogf]  
A177049 4.68869  $[ -(x^2+4*x+1)*(x^6-2*x^5+12*x^4-13*x^3+12*x^2-2*x+1)/(x-1)^3/(x^2+1)^3$  ogf]  
A177056 12.2382  $[ (5*x^6+2*x^5-4*x^4-6*x^3-8*x^2-5*x-1)/(x-1)/(x^2+x+1)$  ogf]  
A177056 9.00627  $(5+16*x-4*x^6-30*x^5+15*x^8+4*x^7-2*x^4+21*x^2+26*x^3)/(x-1)/(x^2+x+1)/(5*x^6+2*x^5-4*x^4-6*x^3-8*x^2-5*x-1)$  lgdogf  
A177057 11.8011  $[{-a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = 6}]$ , ogf]  
A177057 24.1779  $[ -(5*x^2+1)/(x-1)$  ogf]  
A177057 31.3767  $(-1-10*x+5*x^2)/(x-1)/(5*x^2+1)$  lgdogf  
A177058 16.5873  $-(1-7*x+29*x^2+x^3)/(x-1)/(x^3+13*x^2-11*x+3)$  lgdogf  
A177058 3.92522  $[{(95*n^2+427*n+474)*a(n+1)+(278*n^2+1888*n+2346)*a(n+2)+(-373*n^2-911*n+624)*a(n+3), a(0) = 3, a(1) = 1, a(2) = -1}]$ , ogf]  
A177058 9.58947  $[ (x^3+13*x^2-11*x+3)/(x-1)^4$  ogf]  
A177059 12.2906  $[ -2*(3*x^2+19*x+3)/(x-1)^3$  ogf]  
A177059 20.7602  $-(x+14)*(3*x+2)/(x-1)/(3*x^2+19*x+3)$  lgdogf  
A177059 6.62626  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 6, a(1) = 56, a(2) = 156}]$ , ogf]  
A177060 11.5662  $[ -2*(5*x^2+39*x+5)/(x-1)^3$  ogf]  
A177060 19.6161  $-(54+88*x+5*x^2)/(x-1)/(5*x^2+39*x+5)$  lgdogf  
A177060 6.32683  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 10, a(1) = 108, a(2) = 304}]$ , ogf]  
A177065 11.2545  $[ -(15*x^2+98*x+15)/(x-1)^3$  ogf]  
A177065 16.8084  $-(143+226*x+15*x^2)/(x-1)/(15*x^2+98*x+15)$  lgdogf  
A177065 6.15631  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 15, a(1) = 143, a(2) = 399}]$ , ogf]  
A177071 11.5662  $[ -2*(x+6)*(6*x+1)/(x-1)^3$  ogf]  
A177071 20.1610  $-(55+86*x+6*x^2)/(x-1)/(x+6)/(6*x+1)$  lgdogf  
A177071 6.32683  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 12, a(1) = 110, a(2) = 306}]$ , ogf]  
A177072 11.2467  $[ -2*(7*x^2+67*x+7)/(x-1)^3$  ogf]  
A177072 18.8606  $-(88+148*x+7*x^2)/(x-1)/(7*x^2+67*x+7)$  lgdogf  
A177072 6.24819  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 14, a(1) = 176, a(2) = 500}]$ , ogf]  
A177073 11.2467  $[ -2*(10*x^2+61*x+10)/(x-1)^3$  ogf]  
A177073 17.4806  $-(91+142*x+10*x^2)/(x-1)/(10*x^2+61*x+10)$  lgdogf  
A177073 6.24819  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 20, a(1) = 182, a(2) = 506}]$ , ogf]  
A177074 10.7662  $[ 15*(8*x+1)/(10*x-1)/(x-1)$  ogf]

A177074 10.9787  $-1/20*(-15-11*x+3*(25+90*x+9*x^2)^{(1/2)})/(-12+x)$  revogf  
A177074 12.8531  $-(-19+20*x+80*x^2)/(x-1)/(8*x+1)/(10*x-1)$  lgdogf  
A177074 6.18747  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 15, a(1) = 285}, ogf]$   
A177075 6.33049  $[ (x^5+25*x^4+62*x^3+38*x^2-7*x+1)/(x-1)^6 ogf]$   
A177075 9.44347  $-(-1+41*x+x^5+55*x^4+338*x^2+286*x^3)/(x-1)/$   
 $(x^5+25*x^4+62*x^3+38*x^2-7*x+1)$  lgdogf  
A177079 10.3329  $-1/20*(-35-11*x+(1225+1170*x+81*x^2)^{(1/2)})/(-10+x)$  revogf  
A177079 10.7662  $[ 5*(20*x+7)/(10*x-1)/(x-1) ogf]$   
A177079 11.9768  $-(-97+140*x+200*x^2)/(x-1)/(20*x+7)/(10*x-1)$  lgdogf  
A177079 6.18747  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 35, a(1) = 485}, ogf]$   
A177080 10.7546  $-1/20*(-15-11*x+3*(25+170*x+9*x^2)^{(1/2)})/(-30+x)$  revogf  
A177080 10.7662  $[ 15*(20*x+1)/(10*x-1)/(x-1) ogf]$   
A177080 12.2553  $-(-31+20*x+200*x^2)/(x-1)/(20*x+1)/(10*x-1)$  lgdogf  
A177080 6.18747  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 15, a(1) = 465}, ogf]$   
A177090 10.5041  $[ 12*x/(100*x-1)/(x-1) ogf]$   
A177090 14.9475  $-(-101+200*x)/(100*x-1)/(x-1)$  lgdogf  
A177090 5.12990  $[{a(n+2)-101*a(n+1)+100*a(n), a(0) = 0, a(1) = 12}, ogf]$   
A177090 7.22461  $-1/200*(-101*x-12+(4+27*x)^{(1/2)}*(121*x+12)^{(1/2)}*3^{(1/2)})/x$   
revogf  
A177095 11.8075  $[ (63*x+1)/(9*x-1)/(x-1) ogf]$   
A177095 12.0753  $-1/18*(-1-10*x+(1+272*x+64*x^2)^{(1/2)})/(-7+x)$  revogf  
A177095 12.6370  $-(-73+18*x+567*x^2)/(-1+x)/(63*x+1)/(9*x-1)$  lgdogf  
A177095 6.60656  $[{-a(n+2)+10*a(n+1)-9*a(n), a(0) = 1, a(1) = 73}, ogf]$   
A177096 10.5395  $-1/20*(-40-11*x+(1600+1080*x+81*x^2)^{(1/2)})/(-5+x)$  revogf  
A177096 10.9859  $[ 10*(5*x+4)/(10*x-1)/(x-1) ogf]$   
A177096 12.8531  $-(-49+80*x+50*x^2)/(x-1)/(5*x+4)/(10*x-1)$  lgdogf  
A177096 6.18747  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 40, a(1) = 490}, ogf]$   
A177097 10.5395  $-1/20*(-30-11*x+3*(100+180*x+9*x^2)^{(1/2)})/(-24+x)$  revogf  
A177097 10.7662  $[ 30*(8*x+1)/(10*x-1)/(x-1) ogf]$   
A177097 12.8531  $-(-19+20*x+80*x^2)/(x-1)/(8*x+1)/(10*x-1)$  lgdogf  
A177097 6.18747  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 30, a(1) = 570}, ogf]$   
A177098 10.7546  $-1/20*(-18-11*x+3*(36+204*x+9*x^2)^{(1/2)})/(-36+x)$  revogf  
A177098 10.7662  $[ 18*(20*x+1)/(10*x-1)/(x-1) ogf]$   
A177098 12.2553  $-(-31+20*x+200*x^2)/(x-1)/(20*x+1)/(10*x-1)$  lgdogf  
A177098 6.18747  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 18, a(1) = 558}, ogf]$   
A177099 18.5487  $[ -(79*x+83)/(x-1)^3 ogf]$   
A177099 34.6537  $-2*(164+79*x)/(79*x+83)/(x-1)$  lgdogf  
A177099 8.71949  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 83, a(1) = 328, a(2) = 735}, ogf]$   
A177100 21.6747  $[-x^9+x^8+x^4+3 ogf\_with\_Euler\_transform]$   
A177100 8.39609  $[ x^3*(x+1)*(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^4 ogf]$   
A177107 10.9281  $[ 9*(20*x+1)/(10*x-1)/(x-1) ogf]$   
A177107 11.1520  $-1/20*(-9-11*x+3*(9+102*x+9*x^2)^{(1/2)})/(-18+x)$  revogf  
A177107 12.1894  $-(-31+20*x+200*x^2)/(x-1)/(1+20*x)/(10*x-1)$  lgdogf  
A177107 6.22648  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 9, a(1) = 279}, ogf]$   
A177108 10.9787  $-1/20*(-28-11*x+(784+936*x+81*x^2)^{(1/2)})/(-8+x)$  revogf  
A177108 10.9859  $[ 4*(20*x+7)/(10*x-1)/(x-1) ogf]$   
A177108 11.9768  $-(-97+140*x+200*x^2)/(x-1)/(20*x+7)/(10*x-1)$  lgdogf  
A177108 6.18747  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 28, a(1) = 388}, ogf]$   
A177109 10.5395  $-1/20*(-20-11*x+(400+1080*x+81*x^2)^{(1/2)})/(-16+x)$  revogf  
A177109 10.7662  $[ 20*(8*x+1)/(10*x-1)/(x-1) ogf]$   
A177109 12.8531  $-(-19+20*x+80*x^2)/(x-1)/(8*x+1)/(10*x-1)$  lgdogf  
A177109 6.18747  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 20, a(1) = 380}, ogf]$   
A177112 10.7546  $-1/20*(-12-11*x+3*(16+136*x+9*x^2)^{(1/2)})/(-24+x)$  revogf  
A177112 10.7662  $[ 12*(20*x+1)/(10*x-1)/(x-1) ogf]$   
A177112 12.2553  $-(-31+20*x+200*x^2)/(x-1)/(20*x+1)/(10*x-1)$  lgdogf  
A177112 6.18747  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 12, a(1) = 372}, ogf]$   
A177114 10.9197  $-1/20*(-4-11*x+(16+1368*x+81*x^2)^{(1/2)})/(-32+x)$  revogf  
A177114 10.9281  $[ 4*(80*x+1)/(10*x-1)/(x-1) ogf]$   
A177114 12.1894  $- (20*x+7)*(40*x-13)/(x-1)/(80*x+1)/(10*x-1)$  lgdogf  
A177114 6.22648  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 4, a(1) = 364}, ogf]$

A177116 13.5572 [x<sup>10</sup>-x<sup>9</sup>-x<sup>5</sup>+x<sup>4</sup>+x<sup>2</sup>+x+2 ogf\_with\_Euler\_transform]  
A177116 6.07922 [ x<sup>3</sup>\*(x+1)\*(x<sup>2</sup>-x+1)\*(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/  
(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x-1)<sup>4</sup> ogf]  
A177142 5.52424 -(-11-54\*x+352\*x<sup>2</sup>-50\*x<sup>3</sup>+36\*x<sup>4</sup>+872\*x<sup>5</sup>+3\*x<sup>6</sup>-714\*x<sup>7</sup>)/(x+1)/  
(8\*x<sup>2</sup>-5\*x-1)/(22\*x<sup>5</sup>-31\*x<sup>4</sup>-69\*x<sup>3</sup>+30\*x<sup>2</sup>+5\*x-1) lgdogf  
A177142 6.90028 [ (x+1)\*(8\*x<sup>2</sup>-5\*x-1)/(22\*x<sup>5</sup>-31\*x<sup>4</sup>-69\*x<sup>3</sup>+30\*x<sup>2</sup>+5\*x-1) ogf]  
A177143 10.4417 [ -(x<sup>3</sup>+x<sup>2</sup>-2\*x-1)/(2\*x-1)/(x-1)/(x+1)<sup>2</sup> ogf]  
A177143 12.9493 -(3+x+2\*x<sup>5</sup>+2\*x<sup>4</sup>-10\*x<sup>3</sup>)/(x-1)/(2\*x-1)/(x+1)/(x<sup>3</sup>+x<sup>2</sup>-2\*x-1)  
lgdogf  
A177143 4.08127 [{(2\*n+8)\*a(n+1)+(-n-6)\*a(n+2)+(-2\*n-5)\*a(n+3)+(n+3)\*a(n+4),  
a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 12}, ogf]  
A177145 38.8645 -x/(x-1)/(x+1) lgdegf  
A177145 4.81103 [{(n<sup>2</sup>+4\*n+4)\*a(n+1)-a(n+3), a(0) = 1, a(1) = 0, a(2) = 1}, ogf]  
A177145 90.6838 sin(x) revegf  
A177146 12.1669 -(10+30\*x+25\*x<sup>2</sup>+6\*x<sup>3</sup>)/(x+2)/(x+1)/(x<sup>2</sup>+2\*x+2) lgdegf  
A177146 4.95041 [{(n<sup>2</sup>+11\*n+30)\*a(n+1)+(2\*n+12)\*a(n+2)+2\*a(n+3), a(0) = 0, a(1)  
= -3, a(2) = 15}, ogf]  
A177146 6.08314 [ -24\*x\*(x+2)\*(x+1)/(x<sup>2</sup>+2\*x+2)<sup>4</sup> egf]  
A177154 11.8619 -(3+4\*x+6\*x<sup>6</sup>+12\*x<sup>5</sup>+2\*x<sup>7</sup>+20\*x<sup>4</sup>+3\*x<sup>2</sup>)/(x-1)/(x<sup>3</sup>+2\*x<sup>2</sup>+3\*x  
+4)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1) lgdogf  
A177154 14.6485 [ -2\*x\*(x<sup>3</sup>+2\*x<sup>2</sup>+3\*x+4)/(x-1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1) ogf]  
A177176 13.1285 [-x<sup>13</sup>+x<sup>12</sup>+x<sup>6</sup>-x<sup>5</sup>+x<sup>2</sup>+x+2 ogf\_with\_Euler\_transform]  
A177176 5.89774 [ x<sup>3</sup>\*(x+1)\*(x<sup>2</sup>-x+1)\*(x<sup>6</sup>-x<sup>5</sup>+x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/  
(x<sup>12</sup>+x<sup>11</sup>+x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x-1)<sup>4</sup> ogf]  
A177187 13.6048 -(-1-18\*x+2\*x<sup>5</sup>+3\*x<sup>4</sup>+4\*x<sup>3</sup>-8\*x<sup>2</sup>)/(1+x<sup>2</sup>+x)/(x<sup>4</sup>-8\*x<sup>2</sup>+1)  
lgdogf  
A177187 14.0822 [ (x<sup>2</sup>+x+1)/(x<sup>4</sup>-8\*x<sup>2</sup>+1) ogf]  
A177189 18.5105 [-x<sup>9</sup>+x<sup>7</sup>+x<sup>4</sup>+x+2 ogf\_with\_Euler\_transform]  
A177189 6.40987 [ x<sup>3</sup>\*(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x+1)/(x<sup>2</sup>+1)/(x<sup>4</sup>+1)/(x-1)<sup>4</sup> ogf]  
A177189 6.83643 -  
(2+2\*x-5\*x<sup>10</sup>+11\*x<sup>7</sup>+7\*x<sup>11</sup>+4\*x<sup>3</sup>+3\*x<sup>4</sup>+3\*x<sup>5</sup>+9\*x<sup>9</sup>+3\*x<sup>6</sup>-7\*x<sup>8</sup>)/(x-1)/(x+1)/  
(x<sup>2</sup>+1)/(x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x<sup>4</sup>+1) lgdogf  
A177206 11.4164 -(15-18\*x+3\*x<sup>4</sup>+24\*x<sup>2</sup>-14\*x<sup>3</sup>)/(x-1)/(3\*x<sup>4</sup>-13\*x<sup>3</sup>+21\*x<sup>2</sup>-15\*x  
+6) lgdogf  
A177206 7.72060 [ -(3\*x<sup>4</sup>-13\*x<sup>3</sup>+21\*x<sup>2</sup>-15\*x+6)/(x-1)<sup>5</sup> ogf]  
A177239 11.5498 -(2+6\*x+6\*x<sup>2</sup>+6\*x<sup>3</sup>+11\*x<sup>4</sup>+9\*x<sup>5</sup>)/(-1+x)/(x+1)/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)  
lgdogf  
A177239 25.3607 [[x<sup>4</sup>+x+2] ogf\_with\_Euler\_transform]  
A177239 9.59979 [ x<sup>4</sup>/(x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/(x+1)/(x-1)<sup>4</sup> ogf]  
A177265 3.26356 [{(n<sup>2</sup>+9\*n+20)\*a(n+1)+(-5-n)\*a(n+2)+(-n<sup>2</sup>-9\*n-19)\*a(n+3)+(n  
+4)\*a(n+4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 12}, ogf]  
A177274 10.2195 [ -(9\*x<sup>8</sup>+8\*x<sup>7</sup>+7\*x<sup>6</sup>+6\*x<sup>5</sup>+5\*x<sup>4</sup>+4\*x<sup>3</sup>+3\*x<sup>2</sup>+2\*x+1)/(x-1)/  
(x<sup>2</sup>+x+1)/(x<sup>6</sup>+x<sup>3</sup>+1) ogf]  
A177277 14.1615 [-x<sup>13</sup>\*(x-1)+x<sup>4</sup>+x<sup>2</sup>+2 ogf\_with\_Euler\_transform]  
A177277 5.11986 [ x<sup>4</sup>\*(x<sup>8</sup>-x<sup>7</sup>+x<sup>5</sup>-x<sup>4</sup>+x<sup>3</sup>-x+1)/(x+1)/(x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x+1)/  
(x<sup>6</sup>-x<sup>5</sup>+x<sup>4</sup>-x<sup>3</sup>+x<sup>2</sup>-x+1)/(x-1)<sup>4</sup> ogf]  
A177282 10.2710 2\*(-3+3\*x+x<sup>5</sup>-5\*x<sup>4</sup>+9\*x<sup>3</sup>-3\*x<sup>2</sup>)/(x-1)/(x<sup>2</sup>+x-1)/  
(x<sup>4</sup>-3\*x<sup>3</sup>+4\*x<sup>2</sup>-3\*x-1) lgdogf  
A177282 8.69727 [ (x<sup>5</sup>-2\*x<sup>4</sup>+3\*x<sup>3</sup>-5\*x<sup>2</sup>+2\*x-1)/(x<sup>2</sup>+x-1)/(x-1)<sup>2</sup> ogf]  
A177332 4.47930 [ x<sup>4</sup>\*(x<sup>20</sup>-x<sup>19</sup>+x<sup>10</sup>+x<sup>7</sup>+x<sup>5</sup>+x<sup>3</sup>+1)/(x+1)/(x<sup>2</sup>+1)/(x<sup>2</sup>+x+1)/  
(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>4</sup>+1)/(x-1)<sup>4</sup> ogf]  
A177337 4.30511 [ x<sup>5</sup>\*(x<sup>10</sup>-x<sup>9</sup>+x<sup>7</sup>-x<sup>6</sup>+x<sup>5</sup>-x<sup>4</sup>+x<sup>3</sup>-x+1)/(x+1)/(x<sup>2</sup>+x+1)/(x<sup>2</sup>-x  
+1)/(x<sup>6</sup>+x<sup>3</sup>+1)/(x<sup>6</sup>-x<sup>3</sup>+1)/(x-1)<sup>4</sup> ogf]  
A177339 13.9001 [-x<sup>11</sup>+x<sup>10</sup>+x<sup>5</sup>+x<sup>3</sup>+2 ogf\_with\_Euler\_transform]  
A177339 6.25349 [ x<sup>5</sup>\*(x<sup>4</sup>-x<sup>2</sup>+1)/(x+1)/(x<sup>10</sup>+x<sup>9</sup>+x<sup>8</sup>+x<sup>7</sup>+x<sup>6</sup>+x<sup>5</sup>+x<sup>4</sup>+x<sup>3</sup>+x<sup>2</sup>+x  
+1)/(x-1)<sup>4</sup> ogf]  
A177342 17.7817 -(9+17\*x+5\*x<sup>2</sup>+x<sup>3</sup>)/(x-1)/(x<sup>3</sup>+x<sup>2</sup>+5\*x+1) lgdogf  
A177342 3.89373 [{(-29\*n<sup>2</sup>-118\*n-120)\*a(n+1)+(-42\*n<sup>2</sup>-561\*n-1170)\*a(n  
+2)+(71\*n<sup>2</sup>+379\*n+498)\*a(n+3), a(0) = 1, a(1) = 9, a(2) = 31}, ogf]  
A177342 9.65848 [ (x<sup>3</sup>+x<sup>2</sup>+5\*x+1)/(x-1)<sup>4</sup> ogf]  
A177358 3.55658 [ -(12\*x<sup>6</sup>-10\*x<sup>5</sup>-10\*x<sup>4</sup>+50\*x<sup>3</sup>+12\*x<sup>2</sup>-10\*x-1)/

(108\*x^7-84\*x^6-532\*x^5+178\*x^4+280\*x^3-66\*x^2-8\*x+1) ogf]  
 A177369 3.89710 [ {a(n+3)-3\*a(n+2)-4\*a(n+1)+4\*a(n), a(0) = 1, a(1) = 7, a(2) = 21}, ogf]  
 A177369 7.21921 [ -(4\*x^2-4\*x-1)/(4\*x^3-4\*x^2-3\*x+1) ogf]  
 A177369 7.26084 -(7+16\*x^4-32\*x^3+16\*x^2)/(4\*x^2-4\*x-1)/(4\*x^3-4\*x^2-3\*x+1) lgdogf  
 A177370 4.62498 [ {a(n+3)-4\*a(n+2)-8\*a(n+1)+6\*a(n), a(0) = 1, a(1) = 11, a(2) = 46}, ogf]  
 A177370 8.05102 -(11+4\*x+36\*x^4-84\*x^3+62\*x^2)/(6\*x^2-7\*x-1)/(6\*x^3-8\*x^2-4\*x+1) lgdogf  
 A177370 8.64341 [ -(6\*x^2-7\*x-1)/(6\*x^3-8\*x^2-4\*x+1) ogf]  
 A177371 7.50781 [ -(8\*x^4-24\*x^2+12\*x+1)/(2\*x^2-2\*x-1)/(4\*x^3+4\*x^2-8\*x+1) ogf]  
 A177373 27.4609 -2\*(x+1)/(2\*x-1)/(1+2\*x) lgdegf  
 A177373 5.24253 [ {(4\*n^2+14\*n+12)\*a(n+1)-a(n+3)+2\*a(n+2), a(0) = 1, a(1) = 2, a(2) = 6}, ogf]  
 A177412 10.7217 [ {a(n+2)-a(n+1)-a(n), a(0) = 14831, a(1) = 41069}, ogf]  
 A177412 16.6880 1/2/(26238+x)\*(-14831-x+(219958561+134614\*x+5\*x^2)^(1/2)) revogf  
 A177412 18.2066 [ -(26238\*x+14831)/(x^2+x-1) ogf]  
 A177412 18.2926 -(41069+29662\*x+26238\*x^2)/(26238\*x+14831)/(x^2+x-1) lgdogf  
 A177467 6.17869 -(5-34\*x+42\*x^5+87\*x^4+88\*x^3+26\*x^2)/(3\*x^2+2\*x+1)/(7\*x^4+15\*x^3-14\*x^2-3\*x+1) lgdogf  
 A177467 7.13068 [ (3\*x^2+2\*x+1)/(7\*x^4+15\*x^3-14\*x^2-3\*x+1) ogf]  
 A177468 6.72374 [ (8\*x^3-12\*x^2-x-1)/(22\*x^5-31\*x^4-69\*x^3+30\*x^2+5\*x-1) ogf]  
 A177469 5.43840 [ (30\*x^5-8\*x^4-72\*x^3+38\*x^2-x+1)/(108\*x^7-84\*x^6-532\*x^5+178\*x^4+280\*x^3-66\*x^2-8\*x+1) ogf]  
 A177485 8.76142 [ -(x^5+x^3+x+1)/(x^3-x^2+1)/(x^3+x-1) ogf]  
 A177499 11.2932 -4\*(4+2\*x+4\*x^6+2\*x^5+12\*x^4+12\*x^2+x^3)/(x-1)/(x+1)/(x^2+1)/(16\*x^3+4\*x^2+16\*x+1) lgdogf  
 A177499 15.9960 [ -(16\*x^3+4\*x^2+16\*x+1)/(x-1)/(x+1)/(x^2+1) ogf]  
 A177534 4.60525 [ (545653\*x^12+791960649480\*x^6+570546629452800)/(545653\*x^12-112738471560\*x^7+791960649480\*x^6-570546629452800\*x+570546629452800) egf]  
 A177548 4.43880 [ (24715079\*x^12+1077925441320\*x^6+194842442995200)/(24715079\*x^12-498037218120\*x^7+1077925441320\*x^6-194842442995200\*x+194842442995200) egf]  
 A177550 4.77496 [ (2529101\*x^12+61185053020\*x^6+2005850246400)/(2529101\*x^12-25366298620\*x^7+61185053020\*x^6-2005850246400\*x+2005850246400) egf]  
 A177552 4.63421 [ (9531649\*x^12+272233130988\*x^6+32871404966400)/(9531649\*x^12-141791047788\*x^7+272233130988\*x^6-32871404966400\*x+32871404966400) egf]  
 A177682 5.39355 [ -(259376\*x^5-352284\*x^4+88388\*x^3+4020\*x^2+318\*x+179)/(x-1)/(2\*x-1)/(4\*x-1) ogf]  
 A177683 6.78953 [ -(116584\*x^4-50734\*x^3-6167\*x^2-441\*x-191)/(4\*x-1)/(2\*x-1) ogf]  
 A177684 4.97786 [ -3\*(72816\*x^5-86148\*x^4+5914\*x^3+7080\*x^2+126\*x+211)/(x-1)/(2\*x-1)/(4\*x-1) ogf]  
 A177685 3.68225 [ {-a(n+5)+6\*a(n+4)-8\*a(n+3), a(0) = 603, a(1) = 4731, a(2) = 58834, a(3) = 254204, a(4) = 1032696}, ogf]  
 A177685 6.25127 [ -(21856\*x^4+60952\*x^3-35272\*x^2-1113\*x-603)/(4\*x-1)/(2\*x-1) ogf]  
 A177698 29.8510 1/(-(x-1)\*(1+x))^(1/2)\*x revegf  
 A177698 59.7019 -3\*x/(1+x^2) lgdegf  
 A177698 7.94911 [ {(n^2+2\*n)\*a(n)+a(n+2), a(0) = 0, a(1) = 1}, ogf]  
 A177702 13.0433 [ {-a(n+3)+a(n), a(0) = 1, a(1) = 1, a(2) = 2}, ogf]  
 A177702 20.2305 [ -(2\*x^2+x+1)/(x-1)/(x^2+x+1) ogf]  
 A177702 20.2641 -(x+1)\*(2\*x^3+3\*x+1)/(x-1)/(x^2+x+1)/(2\*x^2+x+1) lgdogf  
 A177704 11.2647 [ {-a(n+4)+a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2}, ogf]  
 A177704 13.1443 -(1+2\*x+2\*x^6+2\*x^5+3\*x^4+6\*x^2+4\*x^3)/(x-1)/(x+1)/(x^2+1)/(2\*x^3+x^2+x+1) lgdogf  
 A177704 17.3911 [ -(2\*x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+1) ogf]

A177706 10.3476  $-(1+2*x+3*x^6+4*x^5+2*x^8+2*x^7+5*x^4+3*x^2+8*x^3)/(x-1)/(x^4+x^3+x^2+x+1)/(2*x^4+x^3+x^2+x+1)$  lgdogf  
A177706 15.2507  $[-(2*x^4+x^3+x^2+x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A177711 7.51658  $(5+5*x+4*x^3-12*x^2+180*x^23-188*x^24+92*x^25+88*x^21-172*x^22)/(x-1)/(4*x^25-4*x^24+4*x^23-4*x^22+4*x^3-4*x^2+3*x-4)$  lgdogf  
A177711 9.24159  $[-(4*x^25-4*x^24+4*x^23-4*x^22+4*x^3-4*x^2+3*x-4)/(x-1)^2$  ogf]  
A177727 8.15931  $-(-3-30*x+75*x^2-40*x^3-35*x^4+8*x^5)/(x-1)/(2*x-1)/(x^2+3*x+1)/(x^2-7*x+1)$  lgdogf  
A177727 8.79052  $[(2*x-1)/(x-1)/(x^2+3*x+1)/(x^2-7*x+1)$  ogf]  
A177728 5.09251  $-(45-620*x+57344*x^5+26784*x^3-78208*x^4-620*x^2)/(x-1)/(14*x+1)/(2*x-1)/(-1+4*x)/(8*x-1)/(16*x-1)$  lgdogf  
A177728 8.07189  $[-(14*x+1)/(x-1)/(4*x-1)/(2*x-1)/(8*x-1)/(16*x-1)$  ogf]  
A177730 11.0248  $[(6*x+1)/(8*x-1)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A177730 7.69480  $-(-21+140*x+1152*x^4-1184*x^3+60*x^2)/(x-1)/(4*x-1)/(2*x-1)/(8*x-1)/(6*x+1)$  lgdogf  
A177747 38.9317  $-2*(1+5*x)/(x-1)/(x+1)$  lgdogf  
A177747 41.2657  $[[2+4*x]$  ogf\_with\_Euler\_transform]  
A177747 6.45722  $[{(n+3)*a(n+3)-2*a(n+2)+(-11-n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 7},$  ogf]  
A177747 8.80530  $[1/(x+1)^4/(x-1)^6$  ogf]  
A177755 3.37338  $[-2*x*(x^5+8*x^4+14*x^3+18*x^2+5*x+2)/(x+1)^3/(x-1)^5$  ogf]  
A177769 23.1376  $[111/(x-1)^2$  ogf]  
A177769 24.0812  $444*x/(111+(12321+444*x)^(1/2))^2$  revogf  
A177769 61.9152  $[[2]$  ogf\_with\_Euler\_transform]  
A177769 9.41648  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 111, a(1) = 222},$  ogf]  
A177769 99.3350  $-2/(x-1)$  lgdogf  
A177787 11.4751  $[(2*x^2-3*x+2)/(x-1)^4$  ogf]  
A177787 22.8400  $-(5-5*x+4*x^2)/(x-1)/(2*x^2-3*x+2)$  lgdogf  
A177787 3.95892  $[{(2*n+8)*a(n+4)+(-20-5*n)*a(n+3)+(15+5*n)*a(n+2)+(-6-2*n)*a(n+1), a(0) = 2, a(1) = 5, a(2) = 10, a(3) = 18},$  ogf]  
A177795 9.88252  $[x*(x-1)^2/(2*x-1)/(x^4-x^3+2*x-1)$  ogf]  
A177824 6.97433  $-(5+2*x+3*x^12+30*x^10+48*x^7+35*x^8+8*x^11+18*x^2+8*x^3+5*x^4+6*x^9)/(x-1)/(x+1)/(x^5+2*x^4+6*x^3+x^2+5*x+6)/(x^2+1)/(x^4+1)$  lgdogf  
A177824 9.63585  $[-x^2*(x^5+2*x^4+6*x^3+x^2+5*x+6)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A177825 13.7177  $[1/(x-1)/(x^4-x^3-1)$  ogf]  
A177843 3.57283  $[{a(n+5)-7*a(n+4)+14*a(n+3)-8*a(n+2), a(0) = 775, a(1) = 8919, a(2) = 49581, a(3) = 197469, a(4) = 788157},$  ogf]  
A177843 6.23345  $[-(28656*x^4-30932*x^3-2002*x^2+3494*x+775)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A177844 4.45143  $[{a(n+4)-6*a(n+3)+8*a(n+2), a(0) = 279, a(1) = 3996, a(2) = 16008, a(3) = 64784},$  ogf]  
A177844 6.29039  $4*(999-3984*x+4488*x^2-2112*x^3+1408*x^4)/(2*x-1)/(-1+4*x)/(704*x^3-5736*x^2+2322*x+279)$  lgdogf  
A177844 7.96242  $[(704*x^3-5736*x^2+2322*x+279)/(4*x-1)/(2*x-1)$  ogf]  
A177845 3.92592  $[{a(n+4)-7*a(n+3)+14*a(n+2)-8*a(n+1), a(0) = 775, a(1) = 8919, a(2) = 34223, a(3) = 133983},$  ogf]  
A177845 6.95313  $[-(13088*x^3-17360*x^2+3494*x+775)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A177846 5.19919  $[{-a(n+3)+6*a(n+2)-8*a(n+1), a(0) = 837, a(1) = 7896, a(2) = 32176},$  ogf]  
A177846 8.83332  $-8*(987-3800*x+3504*x^2)/(-1+2*x)/(-1+4*x)/(8504*x^2-2874*x-837)$  lgdogf  
A177846 9.46082  $[-(8504*x^2-2874*x-837)/(4*x-1)/(2*x-1)$  ogf]  
A177849 8.26078  $[(x^50-x^30-x^25+x^5+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^20+x^15+x^10+x^5+1)/(x-1)^2$  ogf]  
A177881 10.8194  $[x^2/(3*x-1)/(x-1)/(x^2+1)$  ogf]  
A177881 12.5980  $-4*(-1+2*x+3*x^3-3*x^2)/(x-1)/(3*x-1)/(1+x^2)$  lgdogf  
A177883 10.6782  $[-(8*x^5+x^4+2*x^3+7*x^2+5*x+4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A177890 12.0168  $[x*(12*x+1)/(x-1)^4$  ogf]

A177890 31.2817  $-4*(4+9*x)/(12*x+1)/(x-1)$  lgdogf  
A177890 5.18372  $[ \{ (-2-n)*a(n+3)+(5-11*n)*a(n+2)+(36+12*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 16 \}, ogf]$   
A177898 17.4982  $[ -(3*x^2-5*x-1)/(x-1)^2/(x+1)$  ogf]  
A177898 22.3397  $-(-6-2*x-7*x^2+3*x^3)/(x-1)/(x+1)/(3*x^2-5*x-1)$  lgdogf  
A177898 9.53027  $[ \{ a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 6, a(2) = 4 \}, ogf]$   
A177949 10.9075  $[ \{ -a(n+2)+2*a(n+1)-a(n), a(0) = 15684, a(1) = 15685 \}, ogf]$   
A177949 14.0574  $-1/2*(-15685-2*x+(246019225+4*x)^(1/2))/(15684+x)$  revogf  
A177949 17.6619  $-2*(-7843+7842*x)/(x-1)/(15684*x-15685)$  lgdogf  
A177949 18.5221  $[ -(15683*x-15684)/(x-1)^2$  ogf]  
A177964 14.1507  $[ (2*x^2+11*x+2)/(x-1)^2/(x+1)$  ogf]  
A177964 17.2234  $-(13+21*x+2*x^2+24*x^3)/(x-1)/(x+1)/(2*x^2+11*x+2)$  lgdogf  
A177964 7.69598  $[ \{ a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 13, a(2) = 17 \}, ogf]$   
A178027 17.5678  $21164*x/(5291+(27994681+21164*x)^(1/2))^2$  revogf  
A178027 18.2693  $[ 5291*x/(x-1)^2$  ogf]  
A178027 55.7185  $[[2]$  ogf\_with\_Euler\_transform]  
A178027 8.69965  $[ \{ a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 5291 \}, ogf]$   
A178027 90.0351  $-2/(x-1)$  lgdogf  
A178069 15.4509  $-(2+6*x+x^3+3*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A178069 24.8046  $[-x^2+x+2$  ogf\_with\_Euler\_transform]  
A178069 4.73847  $[ \{ a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 12345679, a(1) = 24691358, a(2) = 49382716 \}, ogf]$   
A178069 7.68556  $[ 12345679*(x^2+x+1)/(x-1)^2/(x+1)$  ogf]  
A178073 16.3711  $-2*(5+11*x+3*x^2+x^3)/(x-1)/(x^3+x^2+5*x+1)$  lgdogf  
A178073 3.84054  $[ \{ (-8*n^2-27*n-9)*a(n+1)+(-34*n^2-406*n-906)*a(n+2)+(42*n^2+233*n+321)*a(n+3), a(0) = 1, a(1) = 10, a(2) = 41 \}, ogf]$   
A178073 8.25495  $[ -(x^3+x^2+5*x+1)/(x-1)^5$  ogf]  
A178094 9.19482  $[ -(6*x^10+4*x^9+2*x^8+3*x^7+7*x^6+2*x^5+5*x^4+3*x^3+2*x^2+x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A178115 10.3646  $[ -(x^3-x^2+2*x-1)/(x^4+3*x^2+1)$  ogf]  
A178115 10.8040  $-(-2-4*x+x^6-2*x^5+3*x^2-4*x^3+3*x^4)/(x^3-x^2+2*x-1)/(x^4+3*x^2+1)$  lgdogf  
A178134 4.57165  $[ -x*(5*x^5-5*x^4-10*x^3-6*x^2+1)/(x-1)/(x+1)/(5*x^2+x-1)/(5*x^4+x^2-1)$  ogf]  
A178141 5.79879  $-(1-4*x+2*x^4-2*x^3+12*x^2)/(x+1)/(x^2-x+1)/(2*x^2-x+4)$  lgdogf  
A178141 9.48927  $[ -(2*x^5+x^4-4*x^3+2*x^2-x+4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A178142 12.7447  $[ -x*(5*x^2+5*x+2)/(x^2+x+1)/(x-1)/(x+1)$  ogf]  
A178142 13.3244  $-(3+10*x+10*x^5+20*x^4+11*x^2+18*x^3)/(x-1)/(x+1)/(x^2+x+1)/(5*x^2+5*x+2)$  lgdogf  
A178143 10.0631  $[ -x*(13*x^2+13*x+4)/(x^2+x+1)/(x-1)/(x+1)$  ogf]  
A178143 8.24537  $-(9+26*x+26*x^5+52*x^4+42*x^3+25*x^2)/(-1+x)/(x+1)/(1+x^2+x)/(13*x^2+13*x+4)$  lgdogf  
A178144 6.52943  $[ -x*(10*x^6+20*x^5+22*x^4+17*x^3+12*x^2+7*x+2)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)$  ogf]  
A178146 6.67429  $[ -x*(3*x^6+6*x^5+7*x^4+6*x^3+5*x^2+3*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)$  ogf]  
A178147 5.34044  $[ -x*(38*x^6+76*x^5+80*x^4+55*x^3+30*x^2+17*x+4)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)$  ogf]  
A178159 8.50300  $[ -(2*x^3-2*x+1)/(x^4+2*x^2-1)/(x^2+2*x-1)^2$  ogf]  
A178205 22.7854  $[ -1/(10*x^3+x-1)$  ogf]  
A178205 26.8037  $-(1+30*x^2)/(-1+x+10*x^3)$  lgdogf  
A178205 7.19539  $[ \{ -a(n+3)+a(n+2)+10*a(n), a(0) = 1, a(1) = 1, a(2) = 1 \}, ogf]$   
A178208 11.5337  $-(21+112*x+4*x^3+73*x^2)/(-1+x)/(x+1)/(x^2+13*x+1)$  lgdogf  
A178208 5.28341  $[ -4*x*(x+1)*(x^2+13*x+1)/(x-1)^7$  ogf]  
A178218 10.6602  $[ -(x^3-3*x^2+3*x+1)/(x+1)/(x-1)^3$  ogf]  
A178218 13.3331  $-(5+4*x+6*x^2-4*x^3+x^4)/(x-1)/(x+1)/(1+3*x-3*x^2+x^3)$  lgdogf  
A178218 5.48921  $[ \{ (-n-5)*a(n+1)-2*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 7 \}, ogf]$   
A178219 22.6829  $[ x^3/(5*x^4-4*x^3+1)$  ogf]

A178219 29.2294  $-4x^2(-3+5x)/(1-4x^3+5x^4)$  lgdogf  
A178222 11.1750  $[-2x/(x+1)/(3x-1)/(x-1)^2]$  ogf  
A178222 17.6551  $-4(-1+3x^2)/(x-1)/(3x-1)/(1+x)$  lgdogf  
A178223 10.1984  $(2+2x$   
 $+30x^4-74x^3+22x^{10}+19x^{18}+42x^2-37x^{19}+18x^{20}-42x^{11}+20x^{12})/(x-1)/$   
 $(x^{20}-x^{19}+2x^{12}-2x^{11}+15x^4-14x^3-x^2-1)$  lgdogf  
A178223 12.8497  $[-(x^{20}-x^{19}+2x^{12}-2x^{11}+15x^4-14x^3-x^2-1)/(x-1)^2]$  ogf  
A178242 5.26713  $[x(x^7-3x^3-3x^2+2x-3)/(x-1)^3/(x^2+1)^3]$  ogf  
A178242 7.02910  $-(-7+16x+28x^3-49x^2-12x^4+2x^9+7x^6-4x^7+x^8-18x^5)/$   
 $(x-1)/(x^2+1)/(x^7-3x^3-3x^2+2x-3)$  lgdogf  
A178248 11.8626  $[-(13x-2)/(12x-1)/(x-1)]$  ogf  
A178248 12.9731  $-(13-48x+156x^2)/(x-1)/(-1+12x)/(13x-2)$  lgdogf  
A178248 6.69886  $[{a(n+2)-13a(n+1)+12a(n), a(0) = 2, a(1) = 13},$  ogf  
A178312 15.7126  $-2*(1+8x+5x^2+10x^3)/(x-1)/(x+1)/(4x^2+x+1)$  lgdogf  
A178312 7.73105  $[x*(4x^2+x+1)/(x+1)^3/(x-1)^4]$  ogf  
A178320 12.0514  $[-1/(x^5-x^4-2x^3+2x^2+2x-1)]$  ogf  
A178320 12.4715  $-(2+4x+5x^4-6x^2-4x^3)/(2x^2-1+2x-x^4-2x^3+x^5)$  lgdogf  
A178333 9.57136  $[{-a(n+2), a(0) = 0, a(1) = 1},$  ogf  
A178334 121.585  $-1/(x-1)$  lgdogf  
A178334 13.8963  $[{-a(n+2)+a(n+1), a(0) = 0, a(1) = 1},$  ogf  
A178334 138.954  $x/(1+x)$  revogf  
A178334 34.0221  $[-x/(x-1)]$  ogf  
A178334 75.7393  $[1]$  ogf\_with\_Euler\_transform  
A178348 14.3360  $[1/(1100x-1)/(x-1)]$  ogf  
A178348 6.14401  $[{-a(n+2)+1101a(n+1)-1100a(n), a(0) = 1, a(1) = 1101},$  ogf  
A178349 14.3360  $[1/(1010x-1)/(x-1)]$  ogf  
A178349 6.14401  $[{-a(n+2)+1011a(n+1)-1010a(n), a(0) = 1, a(1) = 1011},$  ogf  
A178370 4.24080  $[(x^8-2x^7-4x^6-8x^5+9x^4-46x^3+7x^2-4x-7)/(x-1)^3/$   
 $(x^2+1)^3]$  ogf  
A178381 8.74127  $(1+4x+10x^6+20x^5-x^2-16x^3-5x^4)/(x+1)/(x^3-3x^2+1)/$   
 $(5x^4-5x^2+1)$  lgdogf  
A178381 9.05260  $[(x+1)*(x^3-3x^2+1)/(5x^4-5x^2+1)]$  ogf  
A178390 11.7545  $-(5+22x+5x^4+66x^2+22x^3)/(x-1)/(5x^4+x^3+21x^2-5x+2)$   
lgdogf  
A178390 7.49351  $[-(5x^4+x^3+21x^2-5x+2)/(x-1)^5]$  ogf  
A178392 14.5462  $-2*(-4-39x-18x^2+x^3)/(x-1)/(x+1)/(x^2-14x+1)$  lgdogf  
A178392 3.91818  $[{(8n^2+43n+54)a(n+1)+(-16n^2-64n-72)a(n+2)+(8n^2+21n$   
 $+10)a(n+3), a(0) = 0, a(1) = -1, a(2) = 8},$  ogf  
A178392 7.58357  $[x*(x+1)*(x^2-14x+1)/(x-1)^5]$  ogf  
A178393 4.93507  $[$   
 $(9x^9+640x^8+15058x^7+86866x^6+156292x^5+89386x^4+14350x^3+262x^2+19x-2$   
 $)/(x-1)^{10}]$  ogf  
A178396 13.9776  $[1/(1000x-1)/(11x-1)]$  ogf  
A178396 6.07723  $[{-a(n+2)+1011a(n+1)-11000a(n), a(0) = 1, a(1) = 1011},$  ogf  
A178397 9.03988  $[-x*(2x-1)/(x-1)/(7x-1)/(x^2+1)]$  ogf  
A178397 9.48293  $-2*(3-8x+20x^2-30x^3+21x^4)/(x-1)/(2x-1)/(7x-1)/(1+x^2)$   
lgdogf  
A178405 10.0252  $[{-a(n+2)+2a(n+1)-a(n), a(0) = 11, a(1) = 12},$  ogf  
A178405 17.9174  $[-(10x-11)/(x-1)^2]$  ogf  
A178405 22.3071  $-1/2*(-11-2x+(121+4x)^{1/2})/(10+x)$  revogf  
A178405 30.5689  $-2*(-6+5x)/(x-1)/(10x-11)$  lgdogf  
A178407 11.2154  $-1/202000*(-1-1101x+(1+2202x+808201x^2)^{1/2})/x$  revogf  
A178407 14.1385  $[x/(1000x-1)/(101x-1)]$  ogf  
A178407 15.0522  $-(-1101+202000x)/(1000x-1)/(101x-1)$  lgdogf  
A178407 6.51325  $[{a(n+2)-1101a(n+1)+101000a(n), a(0) = 0, a(1) = 1},$  ogf  
A178414 13.5767  $[(x^3+7x^2+3x+1)/(x-1)^2/(x+1)^2]$  ogf  
A178414 15.1915  $-(3+18x+x^4+12x^2+14x^3)/(x-1)/(x+1)/(x^3+7x^2+3x+1)$  lgdogf  
A178414 8.32535  $[{a(n+4)-2a(n+2)+a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 7},$   
ogf  
A178419 4.51110  $[ -$   
 $x*(36x^{13}+28x^{12}+32x^{11}+21x^{10}+17x^9+14x^8+13x^7+12x^6+5x^5+2x^4-$

$x^3-3x^2-2x-1)/(x-1)/(4x^3-1)$  ogf]  
A178420 13.2744 [  $-x/(x+1)/(2x-1)/(x-1)^2$  ogf]  
A178420 21.0045  $-(-3-x+8x^2)/(x-1)/(2x-1)/(x+1)$  lgdogf  
A178420 3.60792 [  $\{(-3-n)a(n+4)+(7+2n)a(n+3)+(n+2)a(n+2)+(-8-2n)a(n+1),$   
 $a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 8\}$ , ogf]  
A178440 39.0780 [[ $2+6x$ ] ogf\_with\_Euler\_transform]  
A178440 5.94467 [  $1/(x+1)^6/(x-1)^8$  ogf]  
A178440 6.12081 [  $\{(n+3)a(n+3)-2a(n+2)+(-15-n)a(n+1), a(0) = 1, a(1) = 2, a(2)$   
 $= 9\}$ , ogf]  
A178441 7.89978 [  $1/(x^7-x^6-3x^5+3x^4+3x^3-3x^2-2x+1)$  ogf]  
A178452 11.9173 [  $-x^2/(2x-1)/(x^2+1)/(x-1)^2$  ogf]  
A178452 14.6164  $-2*(-2+4x-5x^2+5x^3)/(x-1)/(-1+2x)/(x^2+1)$  lgdogf  
A178455 11.7777 [  $-x^3/(2x-1)/(x^2+x+1)/(x-1)^2$  ogf]  
A178455 15.1780  $-(-3+x-2x^2+10x^3)/(x-1)/(2x-1)/(x^2+x+1)$  lgdogf  
A178457 10.1836 [  $-x^5(x^6+x^3+x^2+1)/(2x-1)/$   
 $(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A178459 15.8440 [  $-x^4/(2x-1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A178459 16.1081  $-(-3+x-4x^4+x^3+x^2+14x^5)/(x-1)/(2x-1)/(x^4+x^3+x^2+x+1)$   
lgdogf  
A178460 7.02150  $-(-3+x-6x^6+x^5+18x^7+x^4+x^3+x^2)/(-1+x)/(2x-1)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A178460 8.74957 [  $-x^6/(2x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A178465 6.48502 [  $-2x^2(x^5-2x^4-x^3+x^2-2x-3)/(x+1)^2/(x-1)^4$  ogf]  
A178500 17.8084 [  $-10x/(10x-1)$  ogf]  
A178500 41.7992  $-10/(-1+10x)$  lgdogf  
A178500 45.2825  $1/10*\ln(1+x)$  revegf  
A178500 7.56248 [  $\{-a(n+2)+10a(n+1), a(0) = 0, a(1) = 10\}$ , ogf]  
A178501 18.9426 [  $-x/(10x-1)$  ogf]  
A178501 37.2962  $1/10*\ln(1+10x)$  revegf  
A178501 46.6203  $-10/(10x-1)$  lgdogf  
A178501 7.89274 [  $\{-a(n+2)+10a(n+1), a(0) = 0, a(1) = 1\}$ , ogf]  
A178502 6.99661 [  $-$   
 $(3x^{32}+18x^{31}-21x^{30}+9x^{14}-7x^{13}-2x^{12}+3x^6-3x^5+3x^2-3x-1)/(x-1)^2$   
ogf]  
A178508 8.16669 [  $- (27x^7+60x^6+49x^5+31x^4+13x^3+10x^2+7x+1)/(10x^6-1)$   
ogf]  
A178510 14.3828  $-1/4200*(-121x-1+(6241x^2+242x+1)^{1/2})/x$  revogf  
A178510 17.3173 [  $1/(100x-1)/(21x-1)$  ogf]  
A178510 19.6128  $-(-121+4200x)/(100x-1)/(21x-1)$  lgdogf  
A178510 7.39389 [  $\{-a(n+2)+121a(n+1)-2100a(n), a(0) = 1, a(1) = 121\}$ , ogf]  
A178511 13.8480  $1/3800/x*(-81x-1+(14161x^2+162x+1)^{1/2})$  revogf  
A178511 16.7606 [  $-1/(19x+1)/(100x-1)$  ogf]  
A178511 19.6552  $- (81+3800x)/(19x+1)/(100x-1)$  lgdogf  
A178511 7.12808 [  $\{-a(n+2)+81a(n+1)+1900a(n), a(0) = 1, a(1) = 81\}$ , ogf]  
A178512 10.3168  $-1/240*(-121x-1+(14161x^2+242x+1)^{1/2})/x$  revogf  
A178512 15.4752  $-(-121+240x)/(120x-1)/(-1+x)$  lgdogf  
A178512 17.9317 [  $1/(120x-1)/(x-1)$  ogf]  
A178512 7.53945 [  $\{-a(n+2)+121a(n+1)-120a(n), a(0) = 1, a(1) = 121\}$ , ogf]  
A178513 12.5316 [  $1/(80x-1)/(x-1)$  ogf]  
A178513 15.8647  $-(-81+160x)/(80x-1)/(x-1)$  lgdogf  
A178513 5.16007 [  $\{-a(n+2)+81a(n+1)-80a(n), a(0) = 1, a(1) = 81\}$ , ogf]  
A178513 9.96155  $-1/160*(-81x-1+(6241x^2+162x+1)^{1/2})/x$  revogf  
A178521 11.5296 [  $x^2(x+3)/(x^2+x-1)^2$  ogf]  
A178521 25.4314  $- (7+13x+3x^2)/(x+3)/(x^2+x-1)$  lgdogf  
A178521 4.62524 [  $\{(n^2+6n+8)a(n+1)+(n^2+5n+7)a(n+2)+(-n^2-4n-3)a(n+3),$   
 $a(0) = 0, a(1) = 0, a(2) = 3\}$ , ogf]  
A178523 11.1774 [  $-2x^2/(x-1)/(x^2+x-1)^2$  ogf]  
A178523 23.2699  $-(-3-x+5x^2)/(x-1)/(x^2+x-1)$  lgdogf  
A178523 3.83044 [  $\{(-n-4)a(n+1)+a(n+2)+(2n+5)a(n+3)+(-n-2)a(n+4), a(0) = 0,$   
 $a(1) = 0, a(2) = 2, a(3) = 6\}$ , ogf]  
A178525 12.7558  $-(-8-4x+3x^4+17x^2-5x^3)/(x-1)/(x^2-x+3)/(x^2+x-1)$  lgdogf



A178525 8.18594 [  $-x^2(x^2-x+3)/(x-1)/(x^2+x-1)^2$  ogf]  
A178529 3.71615 [  $\{(-256n^2-640n-396)a(n+1)+(n^2+4n+4)a(n+2), a(0) = 1, a(1) = 12\}$ , ogf]  
A178529 9.25394 [hypergeom([1/8, 3/8],[1],256\*x) ogf]  
A178543 13.3220 [  $-x/(3x-1)/(x^2+1)$  ogf]  
A178543 19.6572 [  $-(3-2x+9x^2)/(3x-1)/(1+x^2)$  lgdogf]  
A178543 5.40081 [  $\{-a(n+3)+3a(n+2)-a(n+1)+3a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$ , ogf]  
A178572 14.1791 [  $-(14x+11)/(x-1)^3$  ogf]  
A178572 29.4229 [  $-(47+28x)/(14x+11)/(x-1)$  lgdogf]  
A178572 6.72284 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 11, a(1) = 47, a(2) = 108\}$ , ogf]  
A178574 16.6801 [  $-4(5x+4)/(x-1)^3$  ogf]  
A178574 37.5908 [  $-(17+10x)/(5x+4)/(x-1)$  lgdogf]  
A178574 7.90866 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 16, a(1) = 68, a(2) = 156\}$ , ogf]  
A178575 5.57294 [  $\{(-27n^3-117n^2-168n-80)a(n+1)+a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A178577 7.56437 [  $-(3x^3+8x^2-5x+2)(5x^3-4x^2-x+2)/(x-1)/(5x-1)/(x+1)/(x^2-x+1)/(x^2+2x-1)$  lgdogf]  
A178577 7.58711 [  $-x(x^2+2x-1)/(x-1)/(5x-1)/(x+1)/(x^2-x+1)$  ogf]  
A178578 22.5767 [  $1/2(-1-3x+(1+6x+13x^2+4x^3)^{1/2})/x/(1+x)$  revogf]  
A178617 11.6958 [  $-(7+20x+x^4+78x^2+28x^3)/(x-1)/(x^4+12x^3+14x^2-2x-1)$  lgdogf]  
A178617 7.27085 [  $-(x^4+12x^3+14x^2-2x-1)/(x-1)^5$  ogf]  
A178626 12.6125 [  $1/(10x-1)/(x^2+2x-1)$  ogf]  
A178626 13.2534 [  $-2(-6+19x+15x^2)/(-1+10x)/(x^2+2x-1)$  lgdogf]  
A178626 4.70297 [  $\{-a(n+3)+12a(n+2)-19a(n+1)-10a(n), a(0) = 1, a(1) = 12, a(2) = 125\}$ , ogf]  
A178630 3.29395 [  $\{a(n+3)-111a(n+2)+1110a(n+1)-1000a(n), a(0) = 18, a(1) = 2178, a(2) = 221778\}$ , ogf]  
A178630 6.28758 [  $-(121-2220x+20000x^3-8100x^2)/(x-1)/(10x+1)/(100x-1)/(10x-1)$  lgdogf]  
A178630 6.63938 [  $-18(10x+1)/(x-1)/(100x-1)/(10x-1)$  ogf]  
A178631 3.29395 [  $\{a(n+3)-111a(n+2)+1110a(n+1)-1000a(n), a(0) = 27, a(1) = 3267, a(2) = 332667\}$ , ogf]  
A178631 6.28758 [  $-(121-2220x+20000x^3-8100x^2)/(x-1)/(10x+1)/(100x-1)/(10x-1)$  lgdogf]  
A178631 6.63938 [  $-27(10x+1)/(x-1)/(100x-1)/(10x-1)$  ogf]  
A178632 3.29395 [  $\{a(n+3)-111a(n+2)+1110a(n+1)-1000a(n), a(0) = 45, a(1) = 5445, a(2) = 554445\}$ , ogf]  
A178632 6.28758 [  $-(121-2220x+20000x^3-8100x^2)/(x-1)/(10x+1)/(100x-1)/(10x-1)$  lgdogf]  
A178632 6.63938 [  $-45(10x+1)/(x-1)/(100x-1)/(10x-1)$  ogf]  
A178633 4.64393 [  $\{a(n+3)-111a(n+2)+1110a(n+1)-1000a(n), a(0) = 54, a(1) = 6534, a(2) = 665334\}$ , ogf]  
A178633 6.28758 [  $-(121-2220x+20000x^3-8100x^2)/(x-1)/(10x+1)/(100x-1)/(10x-1)$  lgdogf]  
A178633 9.36042 [  $-54(10x+1)/(x-1)/(100x-1)/(10x-1)$  ogf]  
A178634 3.29395 [  $\{a(n+3)-111a(n+2)+1110a(n+1)-1000a(n), a(0) = 63, a(1) = 7623, a(2) = 776223\}$ , ogf]  
A178634 6.28758 [  $-(121-2220x+20000x^3-8100x^2)/(x-1)/(10x+1)/(100x-1)/(10x-1)$  lgdogf]  
A178634 6.63938 [  $-63(10x+1)/(x-1)/(100x-1)/(10x-1)$  ogf]  
A178635 3.29395 [  $\{a(n+3)-111a(n+2)+1110a(n+1)-1000a(n), a(0) = 72, a(1) = 8712, a(2) = 887112\}$ , ogf]  
A178635 6.28758 [  $-(121-2220x+20000x^3-8100x^2)/(x-1)/(10x+1)/(100x-1)/(10x-1)$  lgdogf]  
A178635 6.63938 [  $-72(10x+1)/(x-1)/(100x-1)/(10x-1)$  ogf]  
A178664 6.21010 [  $-(2048000x^{10}-115200x^7-1440x^4-11)/(2x-1)/(1024000x^{10}-1)$  ogf]

A178671 15.9593 [  $4*(6*x-1)/(5*x-1)/(x-1)$  ogf]  
A178671 19.1519  $(-2+3*x+2*(1+3*x+x^2)^{(1/2)})/(-24+5*x)$  revogf  
A178671 20.2159  $-10*x*(3*x-1)/(x-1)/(-1+6*x)/(5*x-1)$  lgdogf  
A178671 9.06333 [  $\{-a(n+2)+6*a(n+1)-5*a(n), a(0) = -4, a(1) = 0\}$ , ogf]  
A178672 14.8112  $-1/12*(-30-7*x+(180+84*x+5*x^2)^{(1/2)}*5^{(1/2)})/x$  revogf  
A178672 18.9529 [  $30*x/(6*x-1)/(x-1)$  ogf]  
A178672 28.4376  $(-(-7+12*x)/(-1+6*x)/(x-1)$  lgdogf  
A178672 8.78307 [  $\{a(n+2)-7*a(n+1)+6*a(n), a(0) = 0, a(1) = 30\}$ , ogf]  
A178674 16.3712 [  $-2*(5*x-2)/(3*x-1)/(x-1)$  ogf]  
A178674 19.4671  $-3*(1-4*x+5*x^2)/(x-1)/(3*x-1)/(5*x-2)$  lgdogf  
A178674 20.5486  $(-(-2-2*x+(4-2*x+x^2)^{(1/2)})/(10+3*x)$  revogf  
A178674 9.18387 [  $\{a(n+2)-4*a(n+1)+3*a(n), a(0) = 4, a(1) = 6\}$ , ogf]  
A178675 16.9988 [  $-(17*x-5)/(4*x-1)/(x-1)$  ogf]  
A178675 17.4753  $-1/2*(-5-5*x+(25-18*x+9*x^2)^{(1/2)})/(17+4*x)$  revogf  
A178675 18.7539  $-4*(2-10*x+17*x^2)/(17*x-5)/(x-1)/(4*x-1)$  lgdogf  
A178675 9.53590 [  $\{a(n+2)-5*a(n+1)+4*a(n), a(0) = 5, a(1) = 8\}$ , ogf]  
A178676 16.0975 [  $-2*(13*x-3)/(5*x-1)/(x-1)$  ogf]  
A178676 18.1943  $-5*(1-6*x+13*x^2)/(x-1)/(13*x-3)/(5*x-1)$  lgdogf  
A178676 19.1519  $(-(-3-3*x+(9-8*x+4*x^2)^{(1/2)})/(26+5*x)$  revogf  
A178676 8.92152 [  $\{a(n+2)-6*a(n+1)+5*a(n), a(0) = 6, a(1) = 10\}$ , ogf]  
A178681 11.9163  $-1/2*(-7-7*x+(49-50*x+25*x^2)^{(1/2)})/(37+6*x)$  revogf  
A178681 11.9178 [  $-(37*x-7)/(6*x-1)/(x-1)$  ogf]  
A178681 13.0789  $-6*(2-14*x+37*x^2)/(x-1)/(6*x-1)/(37*x-7)$  lgdogf  
A178681 6.60505 [  $\{a(n+2)-7*a(n+1)+6*a(n), a(0) = 7, a(1) = 12\}$ , ogf]  
A178683 5.78650  $-2*(-1-3*x$   
 $+40*x^6+3*x^5+25*x^9+21*x^8+30*x^7-9*x^4-6*x^2-22*x^3)/(x-1)/(5*x^3-1)/$   
 $(4*x^6+5*x^4-2*x^3+3*x^2+2*x+1)/(x^2+x+1)$  lgdogf  
A178683 8.43181 [  $x*(4*x^6+5*x^4-2*x^3+3*x^2+2*x+1)/(x-1)/(x^2+x+1)/(5*x^3-1)$   
ogf]  
A178690 5.03008  $-2*(18-343*x+2583*x^2-9744*x^3+19236*x^4-18800*x^5+7200*x^6)/$   
 $(x-1)/(6*x-1)/(-1+4*x)/(2*x-1)/(5*x-1)/(20*x^2-18*x+3)$  lgdogf  
A178690 7.22113 [  $-12*x^3*(20*x^2-18*x+3)/(x-1)/(6*x-1)/(4*x-1)/(2*x-1)/(5*x-1)$   
ogf]  
A178703 11.0652 [  $x^2/(3*x-1)/(x-1)/(x^2-x+1)$  ogf]  
A178703 12.0821  $(-(-5+16*x+12*x^3-21*x^2)/(x-1)/(3*x-1)/(x^2-x+1)$  lgdogf  
A178704 6.30600 [  $-x^2*(2*x^2-x+1)/(x+1)/(3*x-1)/(x^2-x+1)/(x-1)^2$  ogf]  
A178704 6.82284  $(-(-4+6*x-13*x^3+3*x^2+33*x^4-33*x^5+24*x^6)/(x-1)/(3*x-1)/(x+1)/$   
 $(x^2-x+1)/(2*x^2-x+1)$  lgdogf  
A178706 10.1084  $-2*(-3+5*x+3*x^3+6*x^4-3*x^2)/(x-1)/(3*x-1)/(x+1)/(1+x^2)$  lgdogf  
A178706 8.02515 [  $-x*(x+1)/(3*x-1)/(x^2+1)/(x-1)^2$  ogf]  
A178710 11.3452  $(-(-11+5*x+16*x^4+41*x^3+3*x^2)/(x-1)/(x+2)/(-1+4*x)/(x^2+x+1)$   
lgdogf  
A178710 9.61255 [  $-x*(x+2)/(4*x-1)/(x^2+x+1)/(x-1)^2$  ogf]  
A178711 8.80770 [  $-x*(2*x^2-x+3)/(5*x-1)/(x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A178711 8.99823  $(-(-20+42*x-51*x^5+40*x^6+9*x^2-67*x^3+111*x^4)/(x-1)/(5*x-1)/(x$   
 $+1)/(x^2-x+1)/(2*x^2-x+3)$  lgdogf  
A178715 10.8790 [  $-(x^{14}+3*x^{10}+x^6+2*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(4*x^5-1)$   
ogf]  
A178719 15.7987 [  $-x^2/(x+1)/(6*x-1)/(x-1)^2$  ogf]  
A178719 23.0782  $(-(-7+3*x+24*x^2)/(x-1)/(6*x-1)/(x+1)$  lgdogf  
A178719 4.27210 [  $\{(6*n+18)*a(n+1)+(-n+3)*a(n+2)+(-6*n-13)*a(n+3)+(n+2)*a(n+4),$   
 $a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 7\}$ , ogf]  
A178730 17.9994 [  $-x/(x+1)/(7*x-1)/(x-1)^2$  ogf]  
A178730 24.9233  $-4*(-2+x+7*x^2)/(x-1)/(7*x-1)/(x+1)$  lgdogf  
A178730 4.45441 [  $\{(n+3)*a(n+4)+(-22-7*n)*a(n+3)+(3-n)*a(n+2)+(28+7*n)*a(n+1),$   
 $a(0) = 0, a(1) = 1, a(2) = 8, a(3) = 58\}$ , ogf]  
A178742 10.9557  $(-(-4+6*x+3*x^2-13*x^3+12*x^4)/(-1+x)/(2*x-1)/(x+1)/(x^2-x+1)$   
lgdogf  
A178742 9.52672 [  $-x^4/(x+1)/(2*x-1)/(x^2-x+1)/(x-1)^2$  ogf]  
A178744 12.2322  $(-(-8+48*x^4+23*x^3+9*x^2)/(x-1)/(3*x+1)/(4*x-1)/(x^2+x+1)$  lgdogf  
A178744 9.13961 [  $-x^2*(3*x+1)/(4*x-1)/(x^2+x+1)/(x-1)^2$  ogf]

A178747 3.73376 [  $-(4*x^3-2*x^2-1)/(4*x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A178748 2.98586 [  $-(2*x^3-1)/(x+1)^2/(2*x-1)^2$  ogf]  
A178750 8.47106 [  $-x^2*(x^2+x+2)/(5*x-1)/(x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A178750 9.28180 [  $-(-15+27*x+12*x^5+20*x^6+21*x^2-43*x^3+42*x^4)/(x-1)/(5*x-1)/(x+1)/(x^2-x+1)/(x^2+x+2)$  lgdogf]  
A178759 10.8296  $-2*(12-91*x+132*x^4-301*x^3+252*x^2)/(-1+x)/(-1+3*x)/(2*x-1)/(11*x^2-12*x+3)$  lgdogf  
A178759 7.87034 [  $6*x^3*(11*x^2-12*x+3)/(x-1)^2/(3*x-1)^2/(2*x-1)^2$  ogf]  
A178765 12.5496  $1/2/x*(-1-17*x+(1+34*x+293*x^2)^(1/2))$  revogf  
A178765 19.2357 [  $-x/(x^2+17*x-1)$  ogf]  
A178765 21.6766  $-(17+2*x)/(x^2-1+17*x)$  lgdogf  
A178765 8.91412 [  $\{-a(n+2)+17*a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A178766 10.8889  $-(2+6*x-3*x^4-8*x^3+x^6+6*x^5+3*x^2)/(x^2+x-1)/(x^2-x-1)/(x^4+x^3-2*x-1)$  lgdogf  
A178766 12.2870 [  $-(x^4+x^3-2*x-1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A178769 11.9004 [  $-(15*x-2)/(10*x-1)/(x-1)$  ogf]  
A178769 12.4321  $-1/10*(-2-11*x+(4-16*x+81*x^2)^(1/2))/(3+2*x)$  revogf  
A178769 13.6450  $-(7-40*x+150*x^2)/(x-1)/(15*x-2)/(10*x-1)$  lgdogf  
A178769 6.80025 [  $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 2, a(1) = 7\}$ , ogf]  
A178778 7.93738  $-(3-13*x-3*x^2+69*x^3-30*x^4-126*x^5+108*x^6)/(x-1)/(3*x-1)/(3*x^2-1)/(6*x^3-4*x^2-2*x+1)$  lgdogf  
A178778 8.90206 [  $(6*x^3-4*x^2-2*x+1)/(3*x-1)/(3*x^2-1)/(x-1)^2$  ogf]  
A178787 6.55548 [  $-(x^11-x^10-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A178789 14.6190 [  $-3*(3*x-1)/(4*x-1)/(x-1)$  ogf]  
A178789 15.7352  $-1/2*(-3-5*x+(9-6*x+9*x^2)^(1/2))/(9+4*x)$  revogf  
A178789 16.9775  $-2*(1-4*x+6*x^2)/(x-1)/(3*x-1)/(4*x-1)$  lgdogf  
A178789 8.02263 [  $\{a(n+2)-5*a(n+1)+4*a(n), a(0) = 3, a(1) = 6\}$ , ogf]  
A178792 13.8327  $1/4*(-7*x+1+3*(9*x^2+2*x+1)^(1/2))*x/(2*x+1)^2$  revogf  
A178792 4.23845 [  $\{(8*n+20)*a(n+1)+(7*n+17)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 31\}$ , ogf]  
A178795 7.32197 [  $-x^14-x^11-x^9-x^8-x^6-x^5-x^3-1$  ogf\_with\_Euler\_transform]  
A178804 14.3184 [  $(x^3+x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A178804 15.7451  $-(3*x^2+1)*(x^4+2*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^3+x+1)$  lgdogf  
A178815 13.7680 [  $\{a(n+2)-a(n+1), a(0) = 3, a(1) = 2\}$ , ogf]  
A178815 26.7917 [  $(x-3)/(x-1)$  ogf]  
A178815 31.3767  $3/2+1/2*x-1/2*(9+2*x+x^2)^(1/2)$  revogf  
A178815 74.8214  $2/(x-1)/(x-3)$  lgdogf  
A178826 12.9196 [  $-x*(3*x+5)/(7*x-1)/(x^2+x+1)/(x-1)^2$  ogf]  
A178826 14.3612  $-(-43+27*x+84*x^4+187*x^3+33*x^2)/(3*x+5)/(x-1)/(7*x-1)/(x^2+x+1)$  lgdogf  
A178827 17.6127 [  $-x/(x+1)/(8*x-1)/(x-1)^2$  ogf]  
A178827 25.6616  $-(-9+5*x+32*x^2)/(x-1)/(8*x-1)/(x+1)$  lgdogf  
A178827 4.71452 [  $\{(n+3)*a(n+4)+(-25-8*n)*a(n+3)+(4-n)*a(n+2)+(32+8*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 74\}$ , ogf]  
A178828 11.5460  $-(-5+11*x+15*x^3-13*x^2)/(x-1)/(3*x-1)/(1+x^2)$  lgdogf  
A178828 9.43075 [  $-x^2/(3*x-1)/(x^2+1)/(x-1)^2$  ogf]  
A178829 7.29224 [  $-x*(x+2)/(7*x-1)/(x^2+1)/(x-1)^2$  ogf]  
A178829 8.93808  $-(-19+45*x+53*x^3+28*x^4-35*x^2)/(x-1)/(-1+7*x)/(x+2)/(1+x^2)$  lgdogf  
A178869 16.1039  $-1/20*(-9*x-1+(41*x^2+18*x+1)^(1/2))/x$  revogf  
A178869 18.2671 [  $x/(10*x^2-9*x+1)$  ogf]  
A178869 24.4779  $-(-9+20*x)/(10*x^2+1-9*x)$  lgdogf  
A178869 7.57417 [  $\{a(n+2)-9*a(n+1)+10*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A178872 17.4825 [  $-x/(4*x-1)/(x^2+x+1)$  ogf]  
A178872 20.7943  $-3*(1+2*x+4*x^2)/(4*x-1)/(x^2+x+1)$  lgdogf  
A178872 6.45750 [  $\{a(n+3)-3*a(n+2)-3*a(n+1)-4*a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$ , ogf]  
A178873 8.39655 [  $-x*(2*x-1)/(5*x-1)/(x-1)/(x^2-x+1)$  ogf]  
A178873 8.92413  $-(5-24*x-64*x^3+30*x^4+57*x^2)/(x-1)/(2*x-1)/(5*x-1)/(x^2-x+1)$

lgdogf  
 A178874 11.6375  $-2*(2-2*x-7*x^2+15*x^3)/(x-1)/(-1+2*x)/(5*x-1)/(x+1)$  lgdogf  
 A178874 9.45471  $[x*(2*x-1)/(5*x-1)/(x+1)/(x-1)^2$  ogf]  
 A178875 12.0213  $-(9-7*x+16*x^4-39*x^3+3*x^2)/(x-1)/(x-2)/(4*x-1)/(x^2+x+1)$   
 lgdogf  
 A178875 9.13961  $[x^2*(x-2)/(4*x-1)/(x^2+x+1)/(x-1)^2$  ogf]  
 A178885 14.7731  $[x^2/(x-1)/(4*x^3-4*x^2+2*x-1)$  ogf]  
 A178902 10.5374  $[-(-3*x^3+5*x^2-8*x+5)/(x^4-1)$  ogf\_with\_Euler\_transform]  
 A178906 15.4693  $-1/200*(-111*x-1+(131*x+1)^(1/2)*(1+91*x)^(1/2))/x$  revogf  
 A178906 21.1342  $[x/(100*x^2-111*x+1)$  ogf]  
 A178906 24.9505  $-(-111+200*x)/(100*x^2+1-111*x)$  lgdogf  
 A178906 9.19960  $[{a(n+2)-111*a(n+1)+100*a(n), a(0) = 0, a(1) = 1},$  ogf]  
 A178914 13.3837  $(9+810*x^11-11*x-1710*x^10+900*x^9)/(x-1)/$   
 $(90*x^11-90*x^10+11*x-10)$  lgdogf  
 A178914 13.6398  $[-(90*x^11-90*x^10+11*x-10)/(x-1)^2$  ogf]  
 A178915 11.6636  $[-(3*x^5-6*x^4+3*x^3-3*x^2+6*x-4)/(x-1)^2$  ogf]  
 A178915 13.1492  $(2+27*x^3-9*x^2+9*x^5-27*x^4)/(x-1)/$   
 $(3*x^5-6*x^4+3*x^3-3*x^2+6*x-4)$  lgdogf  
 A178934 6.26353  $[-(x^5-2*x^4-6*x^3+4*x^2-4*x+1)/(x-1)/(4*x-1)/(3*x-1)/(x+1)/$   
 $(x^2+1)$  ogf]  
 A178935 5.71421  $-$   
 $(-6+30*x-7*x^6+74*x^5+168*x^9-193*x^8+200*x^7-157*x^4-45*x^2+80*x^3)/(x-1)/$   
 $(4*x-1)/(-1+3*x)/(x+1)/(x^2+1)/(7*x^4-4*x^3+3*x^2+x-1)$  lgdogf  
 A178935 7.60223  $[x*(7*x^4-4*x^3+3*x^2+x-1)/(x-1)/(4*x-1)/(3*x-1)/(x+1)/(x^2+1)$   
 ogf]  
 A178936 7.70145  $[(x^5-2*x^4+3*x^3-2*x^2+3*x-1)/(x-1)/(3*x-1)/(2*x-1)/(x+1)/$   
 $(x^2+1)$  ogf]  
 A178945 10.7499  $[-(x-1)^2/(2*x^2-1)/(2*x-1)^2$  ogf]  
 A178945 15.8262  $-2*(1+2*x-8*x^2+4*x^3)/(x-1)/(2*x-1)/(2*x^2-1)$  lgdogf  
 A178945 3.70871  $[{(-4*n-28)*a(n+1)+(2*n+12)*a(n+2)+(2*n+14)*a(n+3)+(-n-6)*a(n$   
 $+4), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 16},$  ogf]  
 A178946 10.6419  $-(3+16*x+16*x^2+22*x^3+5*x^4+2*x^5)/(x-1)/(x+1)/(x^4+x^3+4*x^2+x$   
 $+1)$  lgdogf  
 A178946 7.20653  $[(x^4+x^3+4*x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
 A178947 8.15548  $[(3*x^4+4*x^3+8*x^2+2*x+1)/(x+1)^2/(x-1)^4$  ogf]  
 A178947 9.32987  $-2*(2+13*x+19*x^2+26*x^3+9*x^4+3*x^5)/(x-1)/(x+1)/$   
 $(3*x^4+4*x^3+8*x^2+2*x+1)$  lgdogf  
 A178960 8.45692  $(27+9*x^11-19*x-19*x^10+17*x^9-15*x^8+8*x^7+2*x^4-6*x^2-2*x^3)/$   
 $(x-1)/(x^11-x^10+x^9-x^8+x^4+2*x^3+19*x-23)$  lgdogf  
 A178960 9.41678  $[-(x^11-x^10+x^9-x^8+x^4+2*x^3+19*x-23)/(x-1)^2$  ogf]  
 A178972 5.73545  $[4*x^5*(8*x^6-7*x^5-30*x^4+23*x^3+44*x^2-26*x-36)/(x+1)^3/$   
 $(x-1)^5$  ogf]  
 A178972 7.71619  $-(-98-252*x-5*x^6-86*x^5+20*x^4+190*x^3+16*x^7-25*x^2)/(x-1)/(x$   
 $+1)/(8*x^6-7*x^5-30*x^4+23*x^3+44*x^2-26*x-36)$  lgdogf  
 A178973 4.29631  $[$   
 $-4*x^6*(36*x^11-47*x^10-178*x^9+228*x^8+354*x^7-419*x^6-356*x^5+297*x^4+182*x^3+$   
 $178*x^2+538*x+147)/(x+1)^5/(x-1)^7$  ogf]  
 A178977 13.0425  $[(x^2-5*x-5)/(x-1)^3$  ogf]  
 A178977 25.1731  $-(x+2)*(x-10)/(x-1)/(x^2-5*x-5)$  lgdogf  
 A178977 6.97888  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 20, a(2) =$   
 $44},$  ogf]  
 A178982 13.9084  $-2*(-1-x+3*x^4+3*x^3-x^2)/(x-1)/(x^2+x+1)/(x^2+x-1)$  lgdogf  
 A178982 17.3895  $[-x^3/(x^2+x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
 A178987 11.0882  $[-x*(4*x-1)/(2*x-1)^3$  ogf]  
 A178987 22.1764  $-2*(-1+8*x)/(-1+4*x)/(-1+2*x)$  lgdogf  
 A178987 5.74210  $[{-a(n+3)+6*a(n+2)-12*a(n+1)+8*a(n), a(0) = 0, a(1) = -1, a(2) =$   
 $-2},$  ogf]  
 A179001 9.32710  $[-x^4*(x^4+x^3+1)/(x+1)/(x^2+1)/(x^2+x-1)/(x^4+1)/(x-1)^2$  ogf]  
 A179005 8.77108  $[-x*(x^21-x^20+x^18-x^17+x^2-x-1)/(x-1)^2$  ogf]  
 A179005 9.02355  $(3-x-39*x^20+20*x^19+19*x^21+16*x^18+17*x^16-33*x^17)/(x-1)/$   
 $(x^21-x^20+x^18-x^17+x^2-x-1)$  lgdogf

A179006 8.26317 [  $-x^5/(x^2+x+1)/(x^2-x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A179006 9.21855  $-( -3+3*x+8*x^6+x^5-3*x^2+5*x^3-5*x^4)/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1)$  lgdogf  
A179018 5.95515  $-(x+1)*(3*x^6+4*x^5+x^4-6*x^3+x^2-2*x+2)/(-1+x)/(x^2+x+1)/(x^2+x-1)/(x^3+x^2-1)$  lgdogf  
A179018 7.39629 [  $x*(x^3+x^2-1)/(x^2+x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A179023 13.8462  $-2*(2+3*x^5-6*x^2+2*x^3)/(x-1)/(x^2+x-1)/(2*x^3-1)$  lgdogf  
A179023 3.73829 [  $\{(-n^2-7*n-12)*a(n+1)+(2*n^2+10*n+8)*a(n+3)+(-n^2-4*n-3)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 12\}$ , ogf]  
A179023 9.62738 [  $-x*(2*x^3-1)/(x-1)^2/(x^2+x-1)^2$  ogf]  
A179041 6.39914 [  $x*(x^8+x^7+x^3+x^2-1)/(x+1)/(x^2+1)/(x^2+x-1)/(x^4+1)/(x-1)^2$  ogf]  
A179042 6.73791 [  $x*(x^6+x^5+x^3+x^2-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A179051 10.8144  $-(1+x*x^2+x^3+x^4+x^5+x^6+x^7+x^8+11*x^9)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
A179051 22.8117 [  $1/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A179051 46.6077 [  $x^9+1$  ogf\_with\_Euler\_transform]  
A179052 15.6701 [  $-1/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^3$  ogf]  
A179052 41.6286 [  $x^9+2$  ogf\_with\_Euler\_transform]  
A179052 9.56542  $-2*(1+x*x^2+x^3+x^4+x^5+x^6+x^7+x^8+6*x^9)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  lgdogf  
A179053 5.10994 [  $x*(x^{10}+x^9+x^7+x^5+x^4+x^3+x^2-1)/(x+1)/(x^2+x-1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A179054 8.42266  $-( -1-2*x-6*x^6+2*x^{10}+2*x^9+3*x^8+4*x^7-2*x^4-12*x^2-4*x^3)/(x-1)/(x+1)/(x^2+1)/(2*x^7+x^6+x^5+x^4-4*x^3-x^2-x-1)$  lgdogf  
A179054 9.99975 [  $-(2*x^7+x^6+x^5+x^4-4*x^3-x^2-x-1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A179058 14.4208  $-4*(4+18*x+12*x^2+x^3)/(x-1)/(x+1)/(x^2+8*x+1)$  lgdogf  
A179058 5.82690 [  $-6*x^2*(x+1)*(x^2+8*x+1)/(x-1)^7$  ogf]  
A179058 5.87801 [  $\{(n^2+6*n+9)*a(n+1)-a(n+2)*n^2, a(0) = 0, a(1) = 0, a(2) = 6\}$ , ogf]  
A179059 10.6151  $-5*(5+40*x+60*x^2+20*x^3+x^4)/(x-1)/(x^4+16*x^3+36*x^2+16*x+1)$  lgdogf  
A179059 4.43889 [  $-24*x^3*(x^4+16*x^3+36*x^2+16*x+1)/(x-1)^9$  ogf]  
A179059 4.65770 [  $\{(n^2+6*n+9)*a(n+1)+(-n^2+2*n-1)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 24\}$ , ogf]  
A179060 3.82774 [  $\{(n^2+6*n+9)*a(n+1)+(-n^2+4*n-4)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 120\}$ , ogf]  
A179060 7.55733  $-6*(6+75*x+200*x^2+150*x^3+30*x^4+x^5)/(-1+x)/(x+1)/(x^4+24*x^3+76*x^2+24*x+1)$  lgdogf  
A179061 3.54065 [  $\{(n^2+6*n+9)*a(n+1)+(-n^2+6*n-9)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 720\}$ , ogf]  
A179062 3.11294 [  $\{(n^2+6*n+9)*a(n+1)+(-n^2+8*n-16)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 5040\}$ , ogf]  
A179063 3.30142 [  $\{(n^2+6*n+9)*a(n+1)+(-n^2+10*n-25)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 0, a(7) = 40320\}$ , ogf]  
A179070 16.5032 [  $-(x+1)*(x^2-x+1)/(x^3+x-1)$  ogf]  
A179070 18.8956  $(-1-6*x^2+2*x^3)/(x+1)/(x^2-x+1)/(x^3+x-1)$  lgdogf  
A179070 7.09349 [  $\{-a(n+4)+a(n+3)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3\}$ , ogf]  
A179088 10.8733  $-(9+73*x+3*x^5+15*x^4+96*x^3+68*x^2)/(x-1)/(x+1)/(3*x^4+6*x^3+26*x^2+6*x+3)$  lgdogf  
A179088 8.83846 [  $-(3*x^4+6*x^3+26*x^2+6*x+3)/(x+1)^2/(x-1)^3$  ogf]  
A179095 21.0637  $-5*(2+6*x+3*x^2)/(x-1)/(5*x^2+5*x+1)$  lgdogf  
A179095 4.20287 [  $\{(n+3)*a(n+4)+(-2+4*n)*a(n+3)-30*a(n+2)+(-15-5*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 10, a(3) = 45\}$ , ogf]  
A179095 9.26658 [  $-x*(5*x^2+5*x+1)/(x-1)^5$  ogf]  
A179096 14.9178  $-3*(x+1)*(x^2+20*x+5)/(x-1)/(x^3+15*x^2+9*x+1)$  lgdogf  
A179096 3.55415 [  $\{(-611*n^2-4033*n-6600)*a(n+1)+(390*n^2-1048*n-5308)*a(n+2)+(221*n^2+921*n+958)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 15\}$ , ogf]

A179096 6.89717 [  $x^*(x^3+15x^2+9x+1)/(x-1)^6$  ogf]  
A179097 12.6921  $-7*(3+22x+4x^3+28x^2)/(x-1)/(7x^3+35x^2+14x+1)$  lgdogf  
A179097 6.03687 [  $-x^*(7x^3+35x^2+14x+1)/(x-1)^7$  ogf]  
A179098 10.7900  $-4*(7+70x+x^4+126x^2+36x^3)/(x-1)/(x^4+28x^3+70x^2+20x+1)$  lgdogf  
A179098 5.34702 [  $x^*(x^4+28x^3+70x^2+20x+1)/(x-1)^8$  ogf]  
A179099 4.62142 [  $-x^*(9x^4+84x^3+126x^2+27x+1)/(x-1)^9$  ogf]  
A179099 9.43891  $-9*(4+52x+5x^4+126x^2+60x^3)/(x-1)/(9x^4+84x^3+126x^2+27x+1)$  lgdogf  
A179111 10.1320 [  $-x^6/(x+1)/(x^2+x-1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A179111 5.60493  $-(-2-2x+x^6+x^5+13x^{10}+x^3+x^8+x^7+13x^{11}-9x^9+x^4+x^2)/(x-1)/(x+1)/(x^2+x-1)/(1+x+x^3+x^4+x^2)/(x^4-x^3+x^2-x+1)$  lgdogf  
A179123 6.82158  $-(10+8x+4x^8-71x^6+28x^5-10x^7+326x^4-74x^3-59x^2)/(-1+x)/(4x^4-5x^3-36x^2+5x+5)/(x^4-8x^2+1)$  lgdogf  
A179123 7.83421 [  $-(4x^4-5x^3-36x^2+5x+5)/(x-1)/(x^4-8x^2+1)$  ogf]  
A179131 7.23652 [  $-(4x^6+5x^5+5x^4-47x^3-25x^2-5x-1)/(x^2-3x+1)/(x^4+3x^3+8x^2+3x+1)$  ogf]  
A179132 7.02158 [  $-(3x^6+6x^5+7x^4-18x^3-14x^2-3x-1)/(x^2-3x+1)/(x^4+3x^3+8x^2+3x+1)$  ogf]  
A179133 8.18999 [  $-(x^5+4x^4+10x^3-5x^2-4x-2)/(x^2-3x+1)/(x^4+3x^3+8x^2+3x+1)$  ogf]  
A179134 7.70353 [  $-(2x^5+4x^4+5x^3-10x^2-4x-1)/(x^2-3x+1)/(x^4+3x^3+8x^2+3x+1)$  ogf]  
A179135 11.0967 [  $-(10x-3)/(25x^2-15x+1)$  ogf]  
A179135 11.3328  $-1/10*(-3-15x+(9+50x+125x^2)^{1/2})/(2+5x)$  revogf  
A179135 6.26639 [  $\{a(n+2)-15a(n+1)+25a(n), a(0) = 3, a(1) = 35\}$ , ogf]  
A179167 4.57734 [  $\{a(n+4)-5a(n+3)+5a(n+2)-a(n+1), a(0) = 3, a(1) = 4, a(2) = 11, a(3) = 37\}$ , ogf]  
A179167 8.76234 [  $(x^3-6x^2+11x-3)/(x-1)/(x^2-4x+1)$  ogf]  
A179167 9.38518  $(4-18x+31x^2-12x^3+x^4)/(-1+x)/(x^2-4x+1)/(x^3-6x^2+11x-3)$  lgdogf  
A179178 9.22667 [  $-(x^7-2x^6+x^4+x^3+x^2+1)/(x-1)^3$  ogf]  
A179184 20.5698 [  $-(x^3-x+1)/(x-1)$  ogf]  
A179184 32.7296  $x^2*(-3+2x)/(x-1)/(x^3-x+1)$  lgdogf  
A179184 9.84722 [  $\{-a(n+4)+a(n+3), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A179190 8.32617  $-2*(-4x^2+1-4x+2*(1-4x-4x^2)^{1/2})*(2x+1)/(4x^2+4x-1)/(4x^2+4x+3)$  lgdogf  
A179207 11.3670 [  $(2x^4-2x^3-x^2-1)/(x+1)/(x-1)^3$  ogf]  
A179207 17.2393  $-2*(-1-3x-4x^2+x^3+x^4)/(x-1)/(x+1)/(2x^4-2x^3-x^2-1)$  lgdogf  
A179237 15.8865 [  $(4x-1)/(x^2+6x-1)$  ogf]  
A179237 8.71820 [  $\{-a(n+2)+6a(n+1)+a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A179238 7.27312  $-(2+6x+4x^6+6x^5+2x^9-3x^8+12x^7+18x^4+15x^2+28x^3)/(x^6+6x^3-1)/(x^4-x^3+3x^2+2x+1)$  lgdogf  
A179238 9.75788 [  $-(x^4-x^3+3x^2+2x+1)/(x^6+6x^3-1)$  ogf]  
A179257 4.61591 [  $-(x^5-4x^4+7x^3-8x^2+4x-1)/(x-1)^6$  ogf]  
A179257 7.29533  $-(2+4x+x^5-3x^4+5x^3-11x^2)/(-1+x)/(x^5-4x^4+7x^3-8x^2+4x-1)$  lgdogf  
A179259 15.0455  $-2*(-3-11x-5x^2+x^3)/(x-1)/(2x^3-8x^2-2x-1)$  lgdogf  
A179259 9.44395 [  $-2*(2x^3-8x^2-2x-1)/(x-1)^4$  ogf]  
A179272 12.8060 [  $(x^3-3x^2+1)/(x+1)/(x-1)^3$  ogf]  
A179272 16.6478  $-(2-2x-4x^3+x^4-3x^2)/(x-1)/(x+1)/(x^3-3x^2+1)$  lgdogf  
A179297 20.7862  $-(3+7x+4x^2)/(x-1)/(2x-1)/(x+1)$  lgdogf  
A179297 8.96217 [  $-(x+1)*(2x-1)/(x-1)^4$  ogf]  
A179298 15.1340  $-(7+6x+4x^3+27x^2)/(x-1)/(2x-1)/(x^2+4x+1)$  lgdogf  
A179298 7.33645 [  $(2x-1)*(x^2+4x+1)/(x-1)^5$  ogf]  
A179309 6.35703 [  $-(10x^{19}-10x^9-9x^8-8x^7-7x^6-6x^5-5x^4-4x^3-3x^2-2x-1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(10x^{10}-1)$  ogf]  
A179327 31.6464 [  $1/(-x+1)$ , egf\_with\_Euler\_transform]  
A179337 7.67058 [  $-(5x^4+30x^3+62x^2+30x+5)/(x+1)^2/(x-1)^3$  ogf]

A179337 8.91014  $-(35+179*x+5*x^5+65*x^4+272*x^2+236*x^3)/(x-1)/(x+1)/(5*x^4+30*x^3+62*x^2+30*x+5)$  lgdogf  
A179338 7.69199  $[-(x^4+90*x^3+38*x^2+90*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A179338 9.28052  $-(91+171*x+x^5+181*x^4+668*x^2+208*x^3)/(x-1)/(x+1)/(x^4+90*x^3+38*x^2+90*x+1)$  lgdogf  
A179339 6.96989  $[-(11*x^4+210*x^3+218*x^2+210*x+11)/(x+1)^2/(x-1)^3$  ogf]  
A179339 7.66375  $-(221+701*x+1688*x^2+908*x^3+431*x^4+11*x^5)/(x-1)/(x+1)/(11*x^4+210*x^3+218*x^2+210*x+11)$  lgdogf  
A179370 7.46268  $[-(16*x^4+7*x^3+108*x^2+7*x+16)/(x+1)^2/(x-1)^3$  ogf]  
A179370 8.54615  $-(23+303*x+30*x^4+395*x^3+16*x^5+157*x^2)/(x-1)/(x+1)/(16*x^4+7*x^3+108*x^2+7*x+16)$  lgdogf  
A179403 10.0181  $-2*(-50+57*x+5*x^3-27*x^2)/(-1+x)/(x-2)/(5*x^2-13*x+14)$  lgdogf  
A179403 5.59996  $[2*x^3*(x-2)*(5*x^2-13*x+14)/(x-1)^5$  ogf]  
A179404 4.84901  $[-4*x^3*(12*x^6-67*x^5+140*x^4-112*x^3-21*x^2+66*x+12)/(x-1)^7$  ogf]  
A179404 7.00247  $-(150+354*x+12*x^6-62*x^5+85*x^4-441*x^2+112*x^3)/(x-1)/(12*x^6-67*x^5+140*x^4-112*x^3-21*x^2+66*x+12)$  lgdogf  
A179424 4.17345  $[x^3*(160*x^9-963*x^8+2054*x^7-1308*x^6-963*x^5-375*x^4+5288*x^3-5094*x^2-467*x-12)/(x-1)^9$  ogf]  
A179436 11.5060  $[(2*x^2-4*x-7)/(x-1)^3$  ogf]  
A179436 19.0836  $-(-25-4*x+2*x^2)/(x-1)/(2*x^2-4*x-7)$  lgdogf  
A179436 6.15671  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 7, a(1) = 25, a(2) = 52},$  ogf]  
A179441 4.51127  $[(x^3+10*x^2+15*x+1)/(x-1)^6$  ogf]  
A179441 8.59124  $-(21+95*x+3*x^3+43*x^2)/(-1+x)/(x^3+10*x^2+15*x+1)$  lgdogf  
A179477 10.4627  $[-(10*x^2-21*x+10)/(10*x-1)/(x-1)^2$  ogf]  
A179477 5.89076  $[{a(n+3)-12*a(n+2)+21*a(n+1)-10*a(n), a(0) = 10, a(1) = 99, a(2) = 988},$  ogf]  
A179477 5.99323  $-(-99+301*x+100*x^3-320*x^2)/(-1+x)/(10*x-1)/(10*x^2-21*x+10)$  lgdogf  
A179483 4.94376  $[{-a(n+5)+6*a(n+4)-11*a(n+3)+6*a(n+2), a(0) = 3, a(1) = -9, a(2) = 6, a(3) = 36, a(4) = 150},$  ogf]  
A179483 8.81537  $[-3*(18*x^4-39*x^3+31*x^2-9*x+1)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A179508 28.6257  $(1+x^2+3*x)/(2+x)/(x+1)$  lgdegf  
A179526 8.65545  $[-(27*x^31+9*x^28+3*x^27-27*x^13-9*x^4-3*x-1)/(x-1)/(3*x^27-1)$  ogf]  
A179540 5.11302  $[{(-2*n-6)*a(n+1)+(-2*n-6)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 4},$  ogf]  
A179540 5.88635  $2*(-3486483*x-486486-2999997*x^2+44697906250*x^9+134093718750*x^10)/(5999994*x^2-486486-2027025*x+44697906250*x^9)$  lgdegf  
A179555 14.3061  $[-(11*x-10)/(10*x-1)/(x-1)$  ogf]  
A179555 7.31174  $-1/2*(-10-11*x+(100+176*x+81*x^2)^(1/2))/(11+10*x)$  revogf  
A179555 8.12415  $-(99-200*x+110*x^2)/(-1+x)/(11*x-10)/(10*x-1)$  lgdogf  
A179555 8.15117  $[{a(n+2)-11*a(n+1)+10*a(n), a(0) = 10, a(1) = 99},$  ogf]  
A179556 14.3061  $[-(21*x-10)/(10*x-1)/(2*x-1)$  ogf]  
A179556 6.82713  $-(99-400*x+420*x^2)/(21*x-10)/(2*x-1)/(10*x-1)$  lgdogf  
A179556 7.47734  $-(-5-6*x+(25+39*x+16*x^2)^(1/2))/(21+20*x)$  revogf  
A179556 8.15117  $[{a(n+2)-12*a(n+1)+20*a(n), a(0) = 10, a(1) = 99},$  ogf]  
A179557 14.3545  $1/2/(9+10*x)*(-10-9*x+(100+216*x+121*x^2)^(1/2))$  revogf  
A179557 14.9149  $[-(9*x+10)/(x+1)/(10*x-1)$  ogf]  
A179557 16.4052  $-(99+200*x+90*x^2)/(10*x-1)/(9*x+10)/(x+1)$  lgdogf  
A179557 8.24707  $[{-a(n+2)+9*a(n+1)+10*a(n), a(0) = 10, a(1) = 99},$  ogf]  
A179558 10.0343  $-(99-1000*x+2550*x^2)/(51*x-10)/(5*x-1)/(10*x-1)$  lgdogf  
A179558 14.3061  $[-(51*x-10)/(10*x-1)/(5*x-1)$  ogf]  
A179558 6.33744  $1/10*\ln(50*x+51)-1/5*\operatorname{arctanh}(5*(98*x+100)^(1/2))-1/10*\ln(51)+1/5*\operatorname{arctanh}(50)$  revegf  
A179558 8.15117  $[{a(n+2)-15*a(n+1)+50*a(n), a(0) = 10, a(1) = 99},$  ogf]  
A179571 8.30993  $[-(26*x^3-83*x^2+89*x-31)/(2*x-1)/(x-1)^3$  ogf]  
A179571 9.16355  $-(66-260*x+52*x^4+373*x^2-228*x^3)/(x-1)/(2*x-1)/$

$(26x^3-83x^2+89x-31)$  lgdogf  
A179572 5.41306 [  $-(180x^5-868x^4+1677x^3-1620x^2+776x-146)/(2x-1)^2/(x-1)^4$  ogf]  
A179572 5.71548  $-(392-2392x+5690x^2-7811x^3+5969x^4+360x^5-2212x^6)/(x-1)/(-1+2x)/(180x^5-868x^4+1677x^3-1620x^2+776x-146)$  lgdogf  
A179579 8.10969 [  $-(36x^3-110x^2+112x-37)/(2x-1)/(x-1)^3$  ogf]  
A179579 8.91589  $-(73-300x+72x^2+454x^3-296x^4)/(x-1)/(2x-1)/(36x^3-110x^2+112x-37)$  lgdogf  
A179580 5.01547 [  $-(328x^5-1536x^4+2866x^3-2658x^2+1218x-219)/(2x-1)^2/(x-1)^4$  ogf]  
A179596 11.7871 [  $-(x+1)/(2x+1)/(3x^2+4x-1)$  ogf]  
A179596 12.2346  $-(3+22x+29x^2+12x^3)/(2x+1)/(x+1)/(3x^2+4x-1)$  lgdogf  
A179596 5.58337 [  $\{a(n+3)-2a(n+2)-11a(n+1)-6a(n), a(0) = 1, a(1) = 3, a(2) = 17\}$ , ogf]  
A179597 5.26019 [  $\{a(n+3)-2a(n+2)-11a(n+1)-6a(n), a(0) = 1, a(1) = 7, a(2) = 27\}$ , ogf]  
A179597 8.89845  $-(7+26x+69x^2+60x^3+12x^4)/(2x+1)/(2x^2+5x+1)/(3x^2+4x-1)$  lgdogf  
A179597 9.67197 [  $-(2x^2+5x+1)/(2x+1)/(3x^2+4x-1)$  ogf]  
A179598 13.3258 [  $-(2x+1)/(8x^2+3x-1)$  ogf]  
A179598 13.9833  $1/4*(-1-3x+(1+14x+41x^2)^{1/2})/(4x+1)$  revogf  
A179598 15.4552  $-(5+16x+16x^2)/(2x+1)/(8x^2+3x-1)$  lgdogf  
A179598 7.31295 [  $\{a(n+2)-3a(n+1)-8a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A179599 13.3258 [  $-(4x+1)/(8x^2+3x-1)$  ogf]  
A179599 13.9833  $1/8*(-1-3x+(1+22x+41x^2)^{1/2})/(2x+1)$  revogf  
A179599 15.4552  $-(7+16x+32x^2)/(4x+1)/(8x^2+3x-1)$  lgdogf  
A179599 7.31295 [  $\{a(n+2)-3a(n+1)-8a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A179600 11.6129 [  $-(x+1)/(2x+1)/(2x^2+4x-1)$  ogf]  
A179600 12.2911  $-(3+20x+8x^3+22x^2)/(2x+1)/(x+1)/(2x^2+4x-1)$  lgdogf  
A179600 5.50086 [  $\{a(n+3)-2a(n+2)-10a(n+1)-4a(n), a(0) = 1, a(1) = 3, a(2) = 16\}$ , ogf]  
A179601 11.4018  $-2*(3+10x+26x^2+16x^3)/(2x+1)/(4x+1)/(2x^2+4x-1)$  lgdogf  
A179601 11.8452 [  $-(4x+1)/(2x+1)/(2x^2+4x-1)$  ogf]  
A179601 5.61088 [  $\{-a(n+3)+2a(n+2)+10a(n+1)+4a(n), a(0) = 1, a(1) = 6, a(2) = 22\}$ , ogf]  
A179602 14.2142 [  $-(2x+1)/(7x^2+3x-1)$  ogf]  
A179602 14.9309  $1/2/(2+7x)*(-1-3x+(1+14x+37x^2)^{1/2})$  revogf  
A179602 16.5026  $-(5+14x+14x^2)/(2x+1)/(7x^2+3x-1)$  lgdogf  
A179602 7.80049 [  $\{a(n+2)-3a(n+1)-7a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A179603 13.0511 [  $-(3x+1)/(7x^2+3x-1)$  ogf]  
A179603 13.6889  $1/2/(3+7x)*(-1-3x+(1+18x+37x^2)^{1/2})$  revogf  
A179603 15.1298  $-(6+14x+21x^2)/(3x+1)/(7x^2+3x-1)$  lgdogf  
A179603 7.16217 [  $\{a(n+2)-3a(n+1)-7a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A179604 11.5362 [  $-(x+1)/(2x+1)/(x^2+4x-1)$  ogf]  
A179604 12.4766  $-(3+18x+15x^2+4x^3)/(2x+1)/(x+1)/(x^2+4x-1)$  lgdogf  
A179604 5.41081 [  $\{a(n+3)-2a(n+2)-9a(n+1)-2a(n), a(0) = 1, a(1) = 3, a(2) = 15\}$ , ogf]  
A179605 10.0858  $-(x-5)*(4x^3+8x^2+3x+1)/(2x+1)/(2x^2-3x-1)/(x^2+4x-1)$  lgdogf  
A179605 10.1261 [  $(2x^2-3x-1)/(2x+1)/(x^2+4x-1)$  ogf]  
A179605 5.46630 [  $\{-a(n+3)+2a(n+2)+9a(n+1)+2a(n), a(0) = 1, a(1) = 5, a(2) = 17\}$ , ogf]  
A179606 13.5871 [  $-(x+1)/(5x^2+3x-1)$  ogf]  
A179606 14.2590  $1/2/(5x+1)*(-1-3x+(1+10x+29x^2)^{1/2})$  revogf  
A179606 17.1108  $-(4+10x+5x^2)/(x+1)/(5x^2+3x-1)$  lgdogf  
A179606 7.45635 [  $\{-a(n+2)+3a(n+1)+5a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A179607 12.1725 [  $(4x^2-2x-1)/(2x+1)/(4x-1)$  ogf]  
A179607 14.0540  $4*(1+2x+6x^2)/(4x-1)/(2x+1)/(4x^2-2x-1)$  lgdogf  
A179607 6.26353 [  $\{a(n+3)-2a(n+2)-8a(n+1), a(0) = 1, a(1) = 4, a(2) = 12\}$ , ogf]  
A179608 12.4527 [  $(x+1)/(2x+1)/(2x-1)^2$  ogf]  
A179608 16.5775  $-(3+2x)*(4x+1)/(2x+1)/(-1+2x)/(x+1)$  lgdogf



A179608 5.84063 [ {a(n+3)-2\*a(n+2)-4\*a(n+1)+8\*a(n), a(0) = 1, a(1) = 3, a(2) = 10}, ogf]  
A179609 13.5197 -8\*x\*(2+5\*x+6\*x^2)/(2\*x+1)/(2\*x-1)/(12\*x^2+2\*x-1) lgdogf  
A179609 5.31491 [ {-a(n+3)+2\*a(n+2)+4\*a(n+1)-8\*a(n), a(0) = 1, a(1) = 0, a(2) = -8}, ogf]  
A179609 9.51540 [ -(12\*x^2+2\*x-1)/(2\*x+1)/(2\*x-1)^2 ogf]  
A179610 15.7352 [ 1/(4\*x-1)/(x^2-x-1) ogf]  
A179610 18.0695 -(-3-10\*x+12\*x^2)/(4\*x-1)/(x^2-x-1) lgdogf  
A179610 5.70924 [ {a(n+3)-3\*a(n+2)-5\*a(n+1)+4\*a(n), a(0) = 1, a(1) = 3, a(2) = 14}, ogf]  
A179611 11.4771 [ -(2\*x+1)/(4\*x^3+8\*x^2+2\*x-1) ogf]  
A179611 11.9149 -4\*(x+1)\*(4\*x^2+3\*x+1)/(2\*x+1)/(4\*x^3+8\*x^2+2\*x-1) lgdogf  
A179611 5.38305 [ {-a(n+3)+2\*a(n+2)+8\*a(n+1)+4\*a(n), a(0) = 1, a(1) = 4, a(2) = 16}, ogf]  
A179619 12.4644 [ -(x+1)/(10\*x-1)/(x-1)^2 ogf]  
A179619 17.1506 -(-13+29\*x+20\*x^2)/(-1+x)/(10\*x-1)/(x+1) lgdogf  
A179619 5.91530 [ {a(n+3)-12\*a(n+2)+21\*a(n+1)-10\*a(n), a(0) = 1, a(1) = 13, a(2) = 135}, ogf]  
A179734 20.5989 -9/(x-2) lgdegf  
A179736 16.4045 -10/(x-2) lgdegf  
A179741 11.9591 [ -(7\*x^2+18\*x-1)/(x-1)^3 ogf]  
A179741 19.7405 -(15+50\*x+7\*x^2)/(x-1)/(7\*x^2+18\*x-1) lgdogf  
A179741 6.50408 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = -1, a(1) = 15, a(2) = 55}, ogf]  
A179742 13.6183 [[1] ogf\_with\_Euler\_transform]  
A179744 10.2968 [ -(x^3+x^2-2\*x+1)/(2\*x-1)/(x-1)^2 ogf]  
A179744 13.6591 -(-2+6\*x-9\*x^2+7\*x^3)/(x-1)/(2\*x-1)/(x^3+x^2-2\*x+1) lgdogf  
A179744 5.38240 [ {-a(n+4)+4\*a(n+3)-5\*a(n+2)+2\*a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9}, ogf]  
A179783 7.04759 [ (x^4-4\*x^3+10\*x^2+1)/(x+1)/(x-1)^4 ogf]  
A179783 9.39317 -(3+25\*x+x^5-5\*x^4+22\*x^3+18\*x^2)/(x-1)/(x+1)/(x^4-4\*x^3+10\*x^2+1) lgdogf  
A179805 11.0455 [ (2\*x+1)\*(3\*x^2-x+1)/(x-1)^2 ogf]  
A179805 14.3125 3\*(-1-x+2\*x^3-6\*x^2)/(x-1)/(1+2\*x)/(3\*x^2-x+1) lgdogf  
A179805 5.85892 [ {-a(n+4)+2\*a(n+3)-a(n+2), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 15}, ogf]  
A179808 7.82914 -2\*(2\*x^2-2\*x-1)\*(8\*x^5-2\*x^3-4\*x^2+3\*x-2)/(x-1)/(2\*x-1)/(x+1)/(2\*x^2+1)/(4\*x^3-2\*x^2-2\*x-1) lgdogf  
A179808 8.21091 [ -x\*(4\*x^3-2\*x^2-2\*x-1)/(x-1)/(2\*x-1)/(x+1)/(2\*x^2+1) ogf]  
A179819 17.3527 [ 5\*(x^2+2\*x+2)/(x^2+x+1)/(x-1)^2 ogf]  
A179819 19.2214 -(4+6\*x+2\*x^4+7\*x^3+11\*x^2)/(-1+x)/(x^2+x+1)/(x^2+2\*x+2) lgdogf  
A179819 6.43071 [ {(5\*n+21)\*a(n+1)+5\*a(n+2)+5\*a(n+3)+(-5\*n-16)\*a(n+4), a(0) = 10, a(1) = 20, a(2) = 25, a(3) = 35}, ogf]  
A179820 13.7213 [ -x\*(2\*x^3+x^2-3\*x-1)/(x-1)^2/(x+1)^2 ogf]  
A179820 16.3750 -(-3-2\*x+2\*x^4-3\*x^2+2\*x^3)/(x-1)/(x+1)/(2\*x^3+x^2-3\*x-1) lgdogf  
A179824 19.7803 -12\*(1+3\*x+x^2)/(x-1)/(4\*x^2+7\*x+1) lgdogf  
A179824 8.82869 [ -2\*(4\*x^2+7\*x+1)/(x-1)^5 ogf]  
A179848 6.13308 [ {(27\*n^2+27\*n+6)\*a(n)+(4\*n^2+10\*n+6)\*a(n+1), a(0) = 0, a(1) = 1}, ogf]  
A179848 72.4595 -x/(x-1)^3 revogf  
A179850 13.8954 -(1-x+x^6-x^5+x^7+5\*x^4+4\*x^2)/(x-1)/(x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1) lgdogf  
A179850 15.6765 [ -(x^2-x+1)\*(x+1)^2/(x-1)/(x^4+x^3+x^2+x+1) ogf]  
A179850 19.8161 [[-x^5+x^4+x^2-x+1] ogf\_with\_Euler\_transform]  
A179865 13.9981 (2\*x+1)/(-1+x)/(x^3-3\*x^2+2\*x-1) lgdogf  
A179865 6.69962 [ (x^3-3\*x^2+2\*x-1)/(x-1)^3 ogf]  
A179870 4.57868 [ {(-n^3-10\*n^2-32\*n-32)\*a(n+1)+a(n+2), a(0) = 4, a(1) = 36}, ogf]  
A179892 12.5362 (-2-17\*x^16-13\*x^15+27\*x^14-14\*x^13+15\*x^17)/(x-1)/(x^17-x^15+x^14+1) lgdogf  
A179892 12.9688 [ (x^17-x^15+x^14+1)/(x-1)^2 ogf]

A179894 12.3968 [  $(2*x+1)*(x^3+x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A179894 14.8034  $-(2+6*x+15*x^2+10*x^3+3*x^4)/(x-1)/(2*x+1)/(x+1)/(x^3+x^2+1)$  lgdogf  
A179903 15.9630  $-(-3-x+x^3-13*x^2)/(x-1)/(x+1)/(x^3-4*x^2+2*x-1)$  lgdogf  
A179903 9.19027 [  $-(x+1)*(x^3-4*x^2+2*x-1)/(x-1)^4$  ogf]  
A179904 9.11538 [  $-(x+1)*(x^3-3*x^2+2*x-1)/(x-1)^4$  ogf]  
A179905 13.5518  $(4+2*x+x^3+29*x^2)/(-1+x)/(2*x+1)/(x^3-5*x^2+2*x-1)$  lgdogf  
A179905 8.71225 [  $-(2*x+1)*(x^3-5*x^2+2*x-1)/(x-1)^4$  ogf]  
A179930 8.65504  $-(11+54*x-2*x^7-100*x^2-110*x^3+346*x^4+26*x^5-68*x^6+3*x^8)/(x-1)/(3*x^4-x^3-33*x^2+5*x+6)/(x^4-10*x^2+1)$  lgdogf  
A179931 13.0123  $-(4+22*x-31*x^2-44*x^3+91*x^4+6*x^5-17*x^6+x^8)/(x-1)/(x^4-9*x^2+2*x+2)/(x^4-10*x^2+1)$  lgdogf  
A179934 6.21244  $-(9+54*x-2*x^7-60*x^2-110*x^3+142*x^4+26*x^5-28*x^6+x^8)/(x-1)/(x^4-x^3-13*x^2+5*x+4)/(x^4-10*x^2+1)$  lgdogf  
A179934 6.60541 [  $-(x^4-x^3-13*x^2+5*x+4)/(x-1)/(x^4-10*x^2+1)$  ogf]  
A179935 8.92899 [  $-x*(952*x^5-1960*x^4+1008*x^3+x+1)/(x-1)^3$  ogf]  
A179935 9.67071  $2*(-2-x+952*x^5+3920*x^3-3360*x^4-1512*x^2)/(x-1)/(952*x^5-1960*x^4+1008*x^3+x+1)$  lgdogf  
A179962 3.62133 [  $-2*(131*x-45)/(4*x-1)/(3*x-1)$  ogf]  
A179980 14.6467 [  $-1/(10*x-1)/(x+1)^2$  ogf]  
A179980 21.5171  $-2*(4+15*x)/(x+1)/(10*x-1)$  lgdogf  
A179980 4.96714 [  $\{-a(n+3)+8*a(n+2)+19*a(n+1)+10*a(n), a(0) = 1, a(1) = 8, a(2) = 83\}$ , ogf]  
A179986 13.5571 [  $-x*(x+6)/(x-1)^3$  ogf]  
A179986 36.2539  $-(19+2*x)/(x+6)/(x-1)$  lgdogf  
A179986 6.89957 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 19\}$ , ogf]  
A179991 10.4576 [  $(x-2)*(x^2-x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A179991 12.2780  $-(3+x+x^5-5*x^4-11*x^2+9*x^3)/(x-1)/(x-2)/(x^2-x+1)/(x^2+x-1)$  lgdogf  
A179991 4.44881 [  $\{(n+5)*a(n+1)+a(n+2)+(-2*n-9)*a(n+3)+(n+4)*a(n+4), a(0) = 2, a(1) = 3, a(2) = 8, a(3) = 15\}$ , ogf]  
A179992 7.63217 [  $(x^4-4*x^3+6*x^2-3*x+2)/(x^2+x-1)/(x-1)^3$  ogf]  
A179992 8.69757  $-(-5-2*x+x^6-6*x^5+14*x^4+16*x^2-12*x^3)/(x-1)/(x^2+x-1)/(x^4-4*x^3+6*x^2-3*x+2)$  lgdogf  
A179994 10.4049 [  $x*(x^2+5*x+1)/(8*x^4-11*x^2+1)$  ogf]  
A179994 9.34308  $-(-5-24*x+120*x^4+32*x^3+16*x^5-55*x^2)/(x^2+5*x+1)/(8*x^4-11*x^2+1)$  lgdogf  
A179995 5.04839 [  $(x^2+x+1)*(x^4+26*x^3+66*x^2+26*x+1)/(x-1)^6$  ogf]  
A179995 7.41564  $-3*(x+1)*(11*x^4+96*x^3+146*x^2+96*x+11)/(-1+x)/(x^2+x+1)/(x^4+26*x^3+66*x^2+26*x+1)$  lgdogf  
A179999 7.61938 [  $-(x+1)*(x^2-x+1)*(x^2-x-1)/(x-1)/(x^4+x^2-1)$  ogf]  
A179999 8.97907  $2*(-1-4*x^6+2*x^5+2*x^7+5*x^4-x^2-2*x^3)/(x-1)/(x+1)/(x^2-x+1)/(x^2-x-1)/(x^4+x^2-1)$  lgdogf  
A180002 6.14790 [  $-(3*x^6-4*x^5-16*x^4-133*x^3+16*x^2+4*x+4)/(x-1)/(x^6-38*x^3+1)$  ogf]  
A180003 5.93439 [  $-(x^6+x^5+5*x^4-32*x^3+5*x^2+x+1)/(x-1)/(x^6-38*x^3+1)$  ogf]  
A180027 3.18630 [  $\{a(n+3)-102*a(n+2)+201*a(n+1)-100*a(n), a(0) = 1, a(1) = 112, a(2) = 11223\}$ , ogf]  
A180027 6.58502 [  $-(10*x+1)/(100*x-1)/(x-1)^2$  ogf]  
A180027 8.37307  $-2*(25*x+8)*(40*x-7)/(-1+x)/(10*x+1)/(100*x-1)$  lgdogf  
A180028 12.5821 [  $-(3*x+1)/(3*x^2+6*x-1)$  ogf]  
A180028 13.8553  $1/6*(-1-6*x+(1+24*x+48*x^2)^(1/2))/(1+x)$  revogf  
A180028 14.5845  $-3*(3+2*x+3*x^2)/(3*x+1)/(3*x^2+6*x-1)$  lgdogf  
A180028 6.90479 [  $\{a(n+2)-6*a(n+1)-3*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A180029 12.4489 [  $-(2*x+1)/(2*x^2+6*x-1)$  ogf]  
A180029 13.7055  $1/4*(-1-6*x+(1+20*x+44*x^2)^(1/2))/(1+x)$  revogf  
A180029 16.1241  $-4*(2+x^2+x)/(1+2*x)/(2*x^2+6*x-1)$  lgdogf  
A180029 6.83173 [  $\{a(n+2)-6*a(n+1)-2*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A180030 13.5989 [  $-(x+1)/(8*x^2+5*x-1)$  ogf]  
A180030 14.2802  $1/2/(8*x+1)*(-5*x-1+(57*x^2+14*x+1)^(1/2))$  revogf

A180030 15.7834  $-2*(2*x+3)*(2*x+1)/(x+1)/(8*x^2+5*x-1)$  lgdogf  
A180030 7.46279  $[{-a(n+2)+5*a(n+1)+8*a(n), a(0) = 1, a(1) = 6}],$  ogf]  
A180031 12.1826  $1/2/(3+8*x)*(-5*x-1+((1+3*x)*(1+19*x))^(1/2))$  revogf  
A180031 12.4489  $[ -(3*x+1)/(8*x^2+5*x-1)$  ogf]  
A180031 14.4268  $-8*(1+2*x+3*x^2)/(3*x+1)/(8*x^2+5*x-1)$  lgdogf  
A180031 6.83173  $[{a(n+2)-5*a(n+1)-8*a(n), a(0) = 1, a(1) = 8}],$  ogf]  
A180032 13.5312  $[ -(x+1)/(7*x^2+5*x-1)$  ogf]  
A180032 14.2078  $1/2/(7*x+1)*(-5*x-1+(53*x^2+14*x+1)^(1/2))$  revogf  
A180032 17.0493  $-(6+14*x+7*x^2)/(x+1)/(7*x^2+5*x-1)$  lgdogf  
A180032 7.42566  $[{-a(n+2)+5*a(n+1)+7*a(n), a(0) = 1, a(1) = 6}],$  ogf]  
A180033 13.2606  $[ -(x+1)/(5*x^2+5*x-1)$  ogf]  
A180033 13.2852  $1/2/(5*x+1)*(-5*x-1+((5*x+1)*(1+9*x))^(1/2))$  revogf  
A180033 16.7014  $-(6+10*x+5*x^2)/(x+1)/(5*x^2+5*x-1)$  lgdogf  
A180033 7.27715  $[{a(n+2)-5*a(n+1)-5*a(n), a(0) = 1, a(1) = 6}],$  ogf]  
A180034 12.8546  $[ -(2*x-1)/(2*x^2-6*x+1)$  ogf]  
A180034 14.1570  $-1/4*(-1-6*x+(1+4*x+28*x^2)^(1/2))/(1+x)$  revogf  
A180034 16.1794  $-4*(1-x+x^2)/(-1+2*x)/(2*x^2-6*x+1)$  lgdogf  
A180034 7.05438  $[{a(n+2)-6*a(n+1)+2*a(n), a(0) = 1, a(1) = 4}],$  ogf]  
A180035 12.9223  $[ -(x+1)/(3*x^2+5*x-1)$  ogf]  
A180035 13.5554  $1/2/(1+3*x)*(-5*x-1+(1+14*x+37*x^2)^(1/2))$  revogf  
A180035 16.7449  $-3*(2+2*x+x^2)/(x+1)/(3*x^2+5*x-1)$  lgdogf  
A180035 7.09150  $[{a(n+2)-5*a(n+1)-3*a(n), a(0) = 1, a(1) = 6}],$  ogf]  
A180036 12.5164  $[ (2*x-1)/(3*x^2+5*x-1)$  ogf]  
A180036 13.1204  $1/2/(-2+3*x)*(-5*x-1+(37*x^2+2*x+1)^(1/2))$  revogf  
A180036 14.1297  $-3*(-1-2*x+2*x^2)/(2*x-1)/(3*x^2+5*x-1)$  lgdogf  
A180036 6.86873  $[{-a(n+2)+5*a(n+1)+3*a(n), a(0) = 1, a(1) = 3}],$  ogf]  
A180037 12.4487  $1/2/(2*x+1)*(-5*x-1+((1+3*x)*(1+11*x))^(1/2))$  revogf  
A180037 12.7193  $[ -(x+1)/(2*x^2+5*x-1)$  ogf]  
A180037 6.98012  $[{a(n+2)-5*a(n+1)-2*a(n), a(0) = 1, a(1) = 6}],$  ogf]  
A180038 13.5319  $[ (3*x-1)/(2*x^2+5*x-1)$  ogf]  
A180038 14.2041  $1/2/(-3+2*x)*(-5*x-1+(33*x^2-2*x+1)^(1/2))$  revogf  
A180038 15.6992  $-2*(3*x+1)*(x-1)/(3*x-1)/(2*x^2+5*x-1)$  lgdogf  
A180038 7.42604  $[{-a(n+2)+5*a(n+1)+2*a(n), a(0) = 1, a(1) = 2}],$  ogf]  
A180046 10.6081  $[ -(x+1)*(2*x^2+1)/(x^4+x^3-x^2+x-1)$  ogf]  
A180046 11.1297  $-(2+2*x+7*x^4+2*x^3+6*x^2+4*x^5+2*x^6)/(x+1)/(2*x^2+1)/(x^4+x^3-x^2+x-1)$  lgdogf  
A180053 12.6612  $[ (-1+900*x)/(1001*x-1)$  ogf]  
A180053 6.90612  $[{a(n+2)-1001*a(n+1), a(0) = 1, a(1) = 101}],$  ogf]  
A180083 12.2334  $[[2]$  ogf\_with\_Euler\_transform]  
A180084 7.19370  $[[2]$  ogf\_with\_Euler\_transform]  
A180115 2.86618  $[ -(1000*x^4+110*x^3+90*x^2-110*x-1)/(x+1)/(x-1)^2/(10*x+1)^2/(10*x-1)^2$  ogf]  
A180118 11.1971  $[ 2*x*(x^2-3*x+3)/(x-1)^4$  ogf]  
A180118 20.9510  $-(9-7*x+2*x^2)/(x-1)/(x^2-3*x+3)$  lgdogf  
A180118 4.10746  $[{(9+3*n)*a(n+4)+(-21-6*n)*a(n+3)+(11+4*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 6, a(2) = 18, a(3) = 38}],$  ogf]  
A180119 18.6970  $[ -x/(x-1)^3$  egf]  
A180119 6.90611  $[{(n^2+5*n+6)*a(n+1)+(-1-n)*a(n+2), a(0) = 0, a(1) = 1}],$  ogf]  
A180119 65.5138  $-3/(x-1)$  lgdegf  
A180140 11.5362  $[ -(x^2+x+1)/(5*x^2+3*x-1)$  ogf]  
A180140 15.7600  $-2*(2+6*x+x^2)/(x^2+x+1)/(5*x^2+3*x-1)$  lgdogf  
A180140 5.93613  $[{-a(n+3)+3*a(n+2)+5*a(n+1), a(0) = 1, a(1) = 4, a(2) = 18}],$  ogf]  
A180141 11.7729  $[ (2*x+1)*(x-1)/(6*x^2+3*x-1)$  ogf]  
A180141 14.2191  $4*(1+2*x+3*x^2)/(x-1)/(2*x+1)/(6*x^2+3*x-1)$  lgdogf  
A180141 6.05789  $[{-a(n+3)+3*a(n+2)+6*a(n+1), a(0) = 1, a(1) = 4, a(2) = 16}],$  ogf]  
A180142 11.9327  $[ (x^2-x-1)/(3*x^2+3*x-1)$  ogf]  
A180142 15.8902  $2*(2+2*x+3*x^2)/(3*x^2+3*x-1)/(x^2-x-1)$  lgdogf  
A180142 6.14012  $[{a(n+3)-3*a(n+2)-3*a(n+1), a(0) = 1, a(1) = 4, a(2) = 14}],$  ogf]  
A180143 10.8165  $[ (x^2+1)/(x-1)/(2*x^2+3*x-1)$  ogf]

A180143 13.4184  $-2*(-2+5*x^2+x^4)/(x-1)/(x^2+1)/(2*x^2+3*x-1)$  lgdogf  
A180143 5.45612  $[{-a(n+3)+4*a(n+2)-a(n+1)-2*a(n), a(0) = 1, a(1) = 4, a(2) = 16}]$ , ogf]  
A180144 10.7050  $[ -(2*x^2-1)/(x-1)/(2*x^2+3*x-1)$  ogf]  
A180144 11.7152  $-2*(2-3*x+x^2+2*x^4)/(-1+x)/(2*x^2-1)/(2*x^2+3*x-1)$  lgdogf  
A180144 5.39988  $[{-a(n+3)+4*a(n+2)-a(n+1)-2*a(n), a(0) = 1, a(1) = 4, a(2) = 13}]$ , ogf]  
A180145 10.9467  $[ -(3*x^2-1)/(x-1)/(6*x^2+3*x-1)$  ogf]  
A180145 12.7379  $-2*(2+9*x^4-3*x^2)/(x-1)/(6*x^2+3*x-1)/(3*x^2-1)$  lgdogf  
A180145 5.52180  $[{a(n+3)-4*a(n+2)-3*a(n+1)+6*a(n), a(0) = 1, a(1) = 4, a(2) = 16}]$ , ogf]  
A180146 15.2951  $[ 1/(x-1)/(6*x^2+3*x-1)$  ogf]  
A180146 16.1725  $-2*(3*x+1)*(3*x-2)/(6*x^2+3*x-1)/(x-1)$  lgdogf  
A180146 5.54954  $[{a(n+3)-4*a(n+2)-3*a(n+1)+6*a(n), a(0) = 1, a(1) = 4, a(2) = 19}]$ , ogf]  
A180147 11.0228  $[ (3*x+1)/(x-1)/(6*x^2+3*x-1)$  ogf]  
A180147 11.4368  $-(-7-6*x+36*x^3+9*x^2)/(x-1)/(3*x+1)/(6*x^2+3*x-1)$  lgdogf  
A180147 5.16997  $[{a(n+3)-4*a(n+2)-3*a(n+1)+6*a(n), a(0) = 1, a(1) = 7, a(2) = 31}]$ , ogf]  
A180148 14.3777  $[ (x-2)/(x^2+3*x-1)$  ogf]  
A180148 16.2595  $1/2/(x-1)*(-2-3*x+(4+8*x+13*x^2)^(1/2))$  revogf  
A180148 21.1373  $-(x+1)*(x-5)/(x-2)/(x^2+3*x-1)$  lgdogf  
A180148 7.89018  $[{-a(n+2)+3*a(n+1)+a(n), a(0) = 2, a(1) = 5}]$ , ogf]  
A180153 10.6138  $[ 1/(100*x-1)/(x-1)/(10*x-1)^2$  ogf]  
A180153 2.93775  $[{(n+4)*a(n+4)+(-454-111*n)*a(n+3)+(5450+1110*n)*a(n+2)+(-5000-1000*n)*a(n+1), a(0) = 1, a(1) = 121, a(2) = 12421, a(3) = 1246421}]$ , ogf]  
A180158 4.11559  $[ -(x+1)/(x^8+x^7+x^6+x^5+x^4+x^3-1)$  ogf]  
A180167 15.7986  $[ -(x+1)/(6*x^2+6*x-1)$  ogf]  
A180167 7.64003  $1/2/(1+6*x)*(-1-6*x+((1+6*x)*(1+10*x))^(1/2))$  revogf  
A180167 8.66999  $[{a(n+2)-6*a(n+1)-6*a(n), a(0) = 1, a(1) = 7}]$ , ogf]  
A180167 9.82289  $- (7+12*x+6*x^2)/(x+1)/(6*x^2+6*x-1)$  lgdogf  
A180168 16.9919  $[ -(x+1)/(5*x^2+2*x-1)$  ogf]  
A180168 5.95092  $1/2/(5*x+1)*(-2*x-1+(1+8*x+24*x^2)^(1/2))$  revogf  
A180168 6.97108  $-(3+10*x+5*x^2)/(x+1)/(5*x^2+2*x-1)$  lgdogf  
A180168 9.32482  $[{-a(n+2)+2*a(n+1)+5*a(n), a(0) = 1, a(1) = 3}]$ , ogf]  
A180169 5.87790  $[ (725590016*x^12-362795008*x^11+93184*x^7-46592*x^6+2560*x^5-1280*x^4+2*x^2-x-1)/(2*x-1)$  ogf]  
A180175 12.6910  $[ -(x-1)/(10*x-1)/(x^2+x-1)$  ogf]  
A180175 14.0005  $- (10+20*x^3-18*x-21*x^2)/(x-1)/(10*x-1)/(x^2+x-1)$  lgdogf  
A180175 5.96585  $[{-a(n+3)+11*a(n+2)-9*a(n+1)-10*a(n), a(0) = 1, a(1) = 10, a(2) = 101}]$ , ogf]  
A180176 8.22988  $[ -(9*x^22+2*x^21-11*x^20-20*x^12+20*x^10+9*x^2-x-10)/(x-1)^2/(x+1)$  ogf]  
A180189 16.8510  $-x*(4+x^2-3*x)/(x-1)/(x^2-2*x+2)$  lgdegf  
A180189 3.30438  $[{(-n^2-7*n-12)*a(n+1)+(-n^2-5*n-4)*a(n+2)+(n+2)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 0}]$ , ogf]  
A180191 3.59570  $[{(n^2+5*n+6)*a(n+1)+(n^2+5*n+6)*a(n+2)+(-2*n-7)*a(n+3)+a(n+4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 13}]$ , ogf]  
A180218 3.19118  $[{(n^3+11*n^2+38*n+40)*a(n+1)+(-2*n^2-15*n-25)*a(n+2)+(n+3)*a(n+3), a(0) = 0, a(1) = 6, a(2) = 36}]$ , ogf]  
A180221 11.6255  $[ -(x^8-x^7+x^4-x^2+x-2)/(x-1)^2$  ogf]  
A180221 13.7205  $(3+x+2*x^4-4*x^3+6*x^8-13*x^7+7*x^6)/(x-1)/(x^8-x^7+x^4-x^2+x-2)$  lgdogf  
A180222 19.2401  $[ -x/(8*x^2+4*x-1)$  ogf]  
A180222 19.5097  $1/16/x*(-4*x-1+(48*x^2+8*x+1)^(1/2))$  revogf  
A180222 29.2645  $-4*(1+4*x)/(8*x^2-1+4*x)$  lgdogf  
A180222 8.78868  $[{-a(n+2)+4*a(n+1)+8*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A180223 12.1180  $[ -x*(9*x+2)/(x-1)^3$  ogf]  
A180223 28.3160  $-3*(5+6*x)/(9*x+2)/(x-1)$  lgdogf

A180223 6.16718 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 15\}$ , ogf]  
A180226 19.0683 [  $-x/(10x^2+4x-1)$  ogf]  
A180226 19.8628  $1/20/x^{(-4x-1+(56x^2+8x+1)^{1/2})}$  revogf  
A180226 28.6024  $-4*(1+5x)/(10x^2-1+4x)$  lgdogf  
A180226 8.83652 [ $\{-a(n+2)+4a(n+1)+10a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A180232 14.3734 [  $-x*(15x+2)/(x-1)^3$  ogf]  
A180232 31.6246  $-3*(7+10x)/(15x+2)/(x-1)$  lgdogf  
A180232 7.44338 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 21\}$ , ogf]  
A180236 11.4590 [  $-(91x^3-91x^2+10x+101)/(x^4+x^2-1)$  ogf]  
A180236 7.81658  $-(10+404x^3-61x^4-182x^5+20x+91x^6+283x^2)/(91x^3-91x^2+10x+101)/(x^4+x^2-1)$  lgdogf  
A180250 18.4829 [  $-x/(10x^2+5x-1)$  ogf]  
A180250 18.7282  $1/20/x^{(-5x-1+(65x^2+10x+1)^{1/2})}$  revogf  
A180250 27.7177  $-5*(1+4x)/(10x^2-1+5x)$  lgdogf  
A180250 8.56524 [ $\{-a(n+2)+5a(n+1)+10a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A180254 20.3513  $1/12+1/2x-1/12*(-(4x-1)^3)^{1/2}$  revegf  
A180274 5.21451 [  $-2*(25x^{11}+19x^{10}+17x^9+17x^8+19x^7+25x^6-215x^5-137x^4-91x^3-79x^2-53x-35)/(x^{12}-10x^6+1)$  ogf]  
A180291 11.9628 [  $-(x^3-3x^2+3x+1)/(x-1)^3$  ogf]  
A180291 31.1457  $-6/(x-1)/(x^3-3x^2+3x+1)$  lgdogf  
A180291 6.15997 [ $\{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 1, a(1) = 6, a(2) = 12, a(3) = 20\}$ , ogf]  
A180292 10.2422  $2*(9+29x^3-15x^4+3x^5+5x-25x^2)/(x-1)/(6x^5-16x^4+6x^3+16x^2-14x-1)$  lgdogf  
A180292 8.37082 [  $-(6x^5-16x^4+6x^3+16x^2-14x-1)/(x-1)^4$  ogf]  
A180293 5.95372 [  $-(15x^7-25x^6-61x^5+167x^4-93x^3-45x^2+45x+1)/(x-1)^5$  ogf]  
A180293 6.50692  $2*(-25-241x^3+69x^4+75x^5-45x+15x^7-65x^6+207x^2)/(x-1)/(15x^7-25x^6-61x^5+167x^4-93x^3-45x^2+45x+1)$  lgdogf  
A180294 4.72029 [  $-(28x^9-21x^8-182x^7+139x^6+696x^5-1298x^4+678x^3+90x^2-134x-1)/(x-1)^6$  ogf]  
A180295 3.61412 [  $-(45x^{11}+9x^{10}-343x^9-259x^8+1966x^7-98x^6-6230x^5+8548x^4-4011x^3-7x^2+385x+1)/(x-1)^7$  ogf]  
A180312 15.0764 [  $-(3x^4+2x^3+1)/(-x^5-x^4-x-1)$  ogf\_with\_Euler\_transform]  
A180313 15.5239 [  $(38x^2-5x-3)/(17x^2-1)$  ogf]  
A180313 18.9923  $(5+26x+85x^2)/(38x^2-5x-3)/(17x^2-1)$  lgdogf  
A180313 9.20602 [ $\{a(n+3)-17a(n+1), a(0) = 3, a(1) = 5, a(2) = 13\}$ , ogf]  
A180319 11.7034 [  $4x*(x^2-7x-2)/(x-1)^3$  ogf]  
A180319 24.5575  $-(x+1)*(x-13)/(x-1)/(x^2-7x-2)$  lgdogf  
A180319 5.76435 [ $\{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 0, a(1) = 8, a(2) = 52, a(3) = 128\}$ , ogf]  
A180324 19.0032  $-(25+46x+9x^2)/(x-1)/(x+3)/(3x+1)$  lgdogf  
A180324 8.27015 [  $-x*(x+3)*(3x+1)/(x-1)^5$  ogf]  
A180343 10.3169 [  $(9x^4+2x^3+x^2+6x-4)/(x-1)/(2x-1)/(x+1)/(x^2+1)$  ogf]  
A180343 7.78276  $-2*(1-6x^3-2x^4+23x^5-x+4x^7+2x^6+9x^8-2x^2)/(x-1)/(2x-1)/(x+1)/(x^2+1)/(9x^4+2x^3+x^2+6x-4)$  lgdogf  
A180354 14.9308  $-6*(-4+x^3-7x-10x^2)/(x-1)/(3x^3-23x^2+x-5)$  lgdogf  
A180354 3.71003 [ $\{(346n^2+1901n+2418)*a(n+1)+(-440n^2-920n+744)*a(n+2)+(94n^2+27n-322)*a(n+3), a(0) = 0, a(1) = 5, a(2) = 24\}$ , ogf]  
A180354 7.74266 [  $x*(3x^3-23x^2+x-5)/(x-1)^5$  ogf]  
A180355 12.4298  $-(7+37x+67x^2+7x^3+2x^4)/(x-1)/(x^4+x^3+16x^2+x+1)$  lgdogf  
A180355 6.36555 [  $6x*(x^4+x^3+16x^2+x+1)/(x-1)^6$  ogf]  
A180356 5.13245 [  $x*(5x^5-87x^4-242x^3-362x^2-27x-7)/(x-1)^7$  ogf]  
A180356 7.44341  $-2*(-38-443x-1268x^2-658x^3-118x^4+5x^5)/(x-1)/(5x^5-87x^4-242x^3-362x^2-27x-7)$  lgdogf  
A180357 3.81177 [  $2x*(4x^6+39x^5+648x^4+1138x^3+648x^2+39x+4)/(x-1)^8$

ogf]  
 A180357 5.41316  $-(71+1569*x+8*x^6+141*x^5+8282*x^3+2787*x^4+7302*x^2)/(x-1)/(4*x^6+39*x^5+648*x^4+1138*x^3+648*x^2+39*x+4)$  lgdogf  
 A180358 3.60844 [  $x*(7*x^7-303*x^6-4125*x^5-15899*x^4-15339*x^3-4461*x^2-191*x-9)/(x-1)^9$  ogf]  
 A180359 5.28238 [  $10*x*(x^8+43*x^7+1486*x^6+8773*x^5+15682*x^4+8773*x^3+1486*x^2+43*x+1)/(x-1)^{10}$  ogf]  
 A180364 25.1455  $-(-2-x+(4+3*x)^{(1/2)})/(1+x)$  revogf  
 A180364 3.27538 [  $\{(-2*n^3-18*n^2-51*n-46)*a(n+1)+(12*n^3+90*n^2+184*n+85)*a(n+2)+(-2*n^3-12*n^2-21*n-9)*a(n+3), a(0) = 1, a(1) = 19, a(2) = 205\}$ , ogf]  
 A180364 33.9464  $-(x-7)/(-1+x)/(-4+x)$  lgdogf  
 A180374 4.51499 [  $\{a(n+4)-6*a(n+3)-18*a(n+2)+32*a(n+1), a(0) = 1, a(1) = 21, a(2) = 156, a(3) = 1236\}$ , ogf]  
 A180374 7.84957  $-3*(7+20*x+148*x^4-136*x^3-12*x^2)/(32*x^3-18*x^2-6*x+1)/(46*x^3-12*x^2-15*x-1)$  lgdogf  
 A180374 8.54188 [  $-(46*x^3-12*x^2-15*x-1)/(32*x^3-18*x^2-6*x+1)$  ogf]  
 A180399 20.6420  $-1/2+1/2*(1+4*x-12*x^2+12*x^3)^{(1/2)}$  revogf  
 A180399 3.60056 [  $\{(18*n^2-12*n)*a(n)+(27*n^2+33*n+6)*a(n+1)+(7*n^2+29*n+30)*a(n+2)+(-n^2-5*n-6)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
 A180400 24.5900  $-3*(1+2*x)/(9*x^2-1+9*x)$  lgdogf  
 A180400 3.93557 [  $\{(n+3)*a(n+3)+(-21-9*n)*a(n+2)+(-15-9*n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 21\}$ , ogf]  
 A180413 13.0325 [  $144*x/(x-1)^4$  ogf]  
 A180413 54.6521 [ [4] ogf\_with\_Euler\_transform]  
 A180413 6.82652 [  $\{(n+1)*a(n+2)+(-4-n)*a(n+1), a(0) = 0, a(1) = 144\}$ , ogf]  
 A180413 88.2869  $-4/(x-1)$  lgdogf  
 A180415 12.0526 [  $(x^3-x+1)/(x-1)^4$  ogf]  
 A180415 24.0068  $-(3+x^3-3*x+3*x^2)/(x-1)/(x^3-x+1)$  lgdogf  
 A180415 4.49531 [  $\{(-19*n^2-117*n-158)*a(n+1)+(36*n^2+160*n+68)*a(n+2)+(-17*n^2-49*n+6)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 6\}$ , ogf]  
 A180473 6.46904  $1/2*((5*x^2+2*x+1)^{(1/2)}*x+2*(5*x^2+2*x+1)^{(1/2)}-2-3*x-3*x^2)/x/(1+x)$  revogf  
 A180483 7.20909  $-2*(3+5*x+x^8-26*x^6+11*x^5+140*x^4-29*x^3-3*x^7-22*x^2)/(x-1)/(2*x^4-3*x^3-25*x^2+3*x+3)/(x^4-10*x^2+1)$  lgdogf  
 A180483 7.94869 [  $-(2*x^4-3*x^3-25*x^2+3*x+3)/(x-1)/(x^4-10*x^2+1)$  ogf]  
 A180486 10.4356 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 5, a(1) = 8\}$ , ogf]  
 A180486 19.0159 [  $-(2*x-5)/(x-1)^2$  ogf]  
 A180486 23.9811  $-1/2*(-5-2*x+(12*x+25)^{(1/2)})/(x+2)$  revogf  
 A180486 36.4930  $-2*(-4+x)/(x-1)/(2*x-5)$  lgdogf  
 A180488 11.1867  $-(-3+12*x^2-12*x^3+5*x^4)/(-1+x)/(x^4-2*x^3+2*x^2+2*x-1)$  lgdogf  
 A180488 12.0085 [  $x/(x-1)/(x^4-2*x^3+2*x^2+2*x-1)$  ogf]  
 A180509 5.73720 [  $-(5*x^8-6*x^7-14*x^6-78*x^5-605*x^4+78*x^3+14*x^2+6*x+6)/(x-1)/(x^8-110*x^4+1)$  ogf]  
 A180510 10.2806 [  $x*(x^4+2*x^3+x^2+2*x+1)/(x^6+x^5-2*x^4-5*x^3-2*x^2+x+1)$  ogf]  
 A180510 9.20846  $-(-1-36*x^3-6*x+2*x^9+7*x^8+8*x^7+14*x^6+14*x^5-26*x^2-11*x^4)/(x^4+2*x^3+x^2+2*x+1)/(x^6+x^5-2*x^4-5*x^3-2*x^2+x+1)$  lgdogf  
 A180516 18.1649 [  $x*(x^2+x+1)/(x-1)/(4*x^3-1)$  ogf]  
 A180516 19.4850  $-(-2+8*x^3-2*x+8*x^5-11*x^2+8*x^4)/(x-1)/(4*x^3-1)/(x^2+x+1)$  lgdogf  
 A180567 3.74216 [  $-2*x^2*(x^7-2*x^6-6*x^5+6*x^4+6*x^3-8*x^2+3*x-2)/(x+1)^2/(x^2-3*x+1)^2/(x^2+x-1)^2$  ogf]  
 A180569 11.0969 [  $-(4*x^2-9*x-4)/(x-1)^4$  ogf]  
 A180569 20.2981  $-(-25-19*x+8*x^2)/(x-1)/(4*x^2-9*x-4)$  lgdogf  
 A180569 3.73504 [  $\{(-4*n-16)*a(n+4)+(10-5*n)*a(n+3)+(45+13*n)*a(n+2)+(-12-4*n)*a(n+1), a(0) = 4, a(1) = 25, a(2) = 72, a(3) = 154\}$ , ogf]  
 A180571 12.8317  $-2*(-68+8*x^3+81*x-39*x^2)/(x-1)/(16*x^3-63*x^2+96*x-58)$  lgdogf  
 A180571 9.04959 [  $-(16*x^3-63*x^2+96*x-58)/(x-1)^4$  ogf]  
 A180574 6.76295 [  $-(5*x^2-2*x-9)*(2*x^3-3*x^2+3)/(x+1)^2/(x-1)^4$  ogf]  
 A180574 8.69219  $-2*(-30+34*x^3-45*x+5*x^6-9*x^5+9*x^2-12*x^4)/(x-1)/(x+1)/(5*x^2-2*x-9)/(2*x^3-3*x^2+3)$  lgdogf

A180576 7.38431  $-( -148+170*x^3-214*x+27*x^6-46*x^5+65*x^2-70*x^4)/(x-1)/(x+1)/(27*x^5-50*x^4-35*x^3+110*x^2-10*x-69)$  lgdogf  
A180576 7.59265  $[ -(6*x^4+x^3-11*x^2-19*x-4)/(x+1)^2/(x-1)^4$  ogf]  
A180577 13.4260  $[ -5*(7*x+3)/(x-1)^3$  ogf]  
A180577 30.1617  $-2*(8+7*x)/(7*x+3)/(x-1)$  lgdogf  
A180577 6.36578  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 15, a(1) = 80, a(2) = 195\},$  ogf]  
A180578 13.4589  $[ -9*(7*x+3)/(x-1)^3$  ogf]  
A180578 30.2415  $-2*(8+7*x)/(7*x+3)/(x-1)$  lgdogf  
A180578 6.32683  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 27, a(1) = 144, a(2) = 351\},$  ogf]  
A180579 13.4260  $[ -3*(11*x+5)/(x-1)^3$  ogf]  
A180579 26.8104  $-2*(11*x+13)/(11*x+5)/(x-1)$  lgdogf  
A180579 6.36578  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 15, a(1) = 78, a(2) = 189\},$  ogf]  
A180582 5.97291  $[ (x+1)*(6*x^6-14*x^5-2*x^4-24*x^3+16*x^2-2*x+1)/(12*x^7+32*x^6+36*x^5+28*x^4-10*x^3-9*x+1)$  ogf]  
A180592 9.76871  $[ -x*(9*x^8+7*x^7+5*x^6+3*x^5+x^4+8*x^3+6*x^2+4*x+2)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A180593 13.7965  $-(2+4*x^3+6*x+3*x^2+3*x^4)/(x-1)/(x^2+x+1)/(3*x^2+2*x+1)$  lgdogf  
A180593 14.8302  $[ -3*x*(3*x^2+2*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A180593 8.27368  $[ \{a(n+4)-a(n+1), a(0) = 0, a(1) = 3, a(2) = 6, a(3) = 9\},$  ogf]  
A180594 9.76871  $[ -x*(9*x^8+5*x^7+x^6+6*x^5+2*x^4+7*x^3+3*x^2+8*x+4)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A180595 9.76871  $[ -x*(9*x^8+4*x^7+8*x^6+3*x^5+7*x^4+2*x^3+6*x^2+x+5)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A180596 10.3857  $[ \{-a(n+4)+a(n+1), a(0) = 0, a(1) = 6, a(2) = 3, a(3) = 9\},$  ogf]  
A180596 18.0125  $-(1+2*x^3+6*x+6*x^2+3*x^4)/(x-1)/(x^2+x+1)/(3*x^2+x+2)$  lgdogf  
A180596 18.6158  $[ -3*x*(3*x^2+x+2)/(x-1)/(x^2+x+1)$  ogf]  
A180597 9.76871  $[ -x*(9*x^8+2*x^7+4*x^6+6*x^5+8*x^4+x^3+3*x^2+5*x+7)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A180598 9.76871  $[ -x*(9*x^8+x^7+2*x^6+3*x^5+4*x^4+5*x^3+6*x^2+7*x+8)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A180599 11.0704  $[ \{-a(n+2)+a(n+1), a(0) = 0, a(1) = 9\},$  ogf]  
A180599 110.372  $x/(9+x)$  revogf  
A180599 27.1034  $[ -9*x/(x-1)$  ogf]  
A180599 60.3051  $[ [1]$  ogf\_with\_Euler\_transform]  
A180599 96.5753  $-1/(x-1)$  lgdogf  
A180664 8.94585  $-( -8+2*x+15*x^2+4*x^3-9*x^4+2*x^5)/(x-1)/(x+1)/(x^2-3*x+1)/(x^2-2*x-2)$  lgdogf  
A180664 9.78611  $[ x*(x^2-2*x-2)/(x-1)/(x+1)/(x^2-3*x+1)$  ogf]  
A180665 10.4882  $[ -x/(x-1)/(x^2-3*x+1)/(x+1)^2$  ogf]  
A180665 13.6910  $-(2+4*x-13*x^2+5*x^3)/(-1+x)/(x+1)/(x^2-3*x+1)$  lgdogf  
A180666 8.22231  $[ -x/(x-1)/(x^2+1)/(x^2-3*x+1)/(x+1)^2$  ogf]  
A180666 9.58648  $-(2+2*x-5*x^2+9*x^3-19*x^4+7*x^5)/(x-1)/(x+1)/(1+x^2)/(x^2-3*x+1)$  lgdogf  
A180667 5.19595  $[ -(44*x^4-218*x^3+1425*x^2+1408*x+41)/(x-1)^5$  ogf]  
A180667 6.66292  $-(1613+8482*x+44*x^4-260*x^3+3621*x^2)/(x-1)/(44*x^4-218*x^3+1425*x^2+1408*x+41)$  lgdogf  
A180668 12.2282  $-( -5+2*x+2*x^2+6*x^3+3*x^4)/(x-1)/(x+1)/(x^3+x^2+x-1)$  lgdogf  
A180668 8.50682  $[ -x^2*(x+1)^2/(x^3+x^2+x-1)/(x-1)^2$  ogf]  
A180669 12.3105  $-( -7+4*x+4*x^2+8*x^3+3*x^4)/(x-1)/(x+1)/(x^3+x^2+x-1)$  lgdogf  
A180669 6.52798  $[ x^2*(x+1)^3/(x^3+x^2+x-1)/(x-1)^3$  ogf]  
A180670 13.0606  $-(x+3)*(3*x^3+x^2+3*x-3)/(x-1)/(x+1)/(x^3+x^2+x-1)$  lgdogf  
A180670 5.63960  $[ -x^2*(x+1)^4/(x^3+x^2+x-1)/(x-1)^4$  ogf]  
A180671 16.0161  $[ x*(3*x+5)/(x-1)/(x^2+x-1)$  ogf]  
A180671 16.0736  $-( -13+6*x^3+15*x^2)/(x-1)/(3*x+5)/(x^2+x-1)$  lgdogf  
A180671 8.34884  $[ \{a(n+3)-2*a(n+2)+a(n), a(0) = 0, a(1) = 5, a(2) = 13\},$  ogf]  
A180672 13.9860  $[ x*(5*x+8)/(x-1)/(x^2+x-1)$  ogf]  
A180672 15.3370  $-( -21+10*x^3+24*x^2)/(5*x+8)/(x-1)/(x^2+x-1)$  lgdogf  
A180672 7.29060  $[ \{-a(n+3)+2*a(n+2)-a(n), a(0) = 0, a(1) = 8, a(2) = 21\},$  ogf]

A180673 14.2658 [  $x^*(8*x+13)/(x-1)/(x^2+x-1)$  ogf]  
A180673 15.6177  $-(-34+16*x^3+39*x^2)/(x-1)/(8*x+13)/(x^2+x-1)$  lgdogf  
A180673 7.50829 [  $\{a(n+3)-2*a(n+2)+a(n), a(0) = 0, a(1) = 13, a(2) = 34\}$ , ogf]  
A180674 13.6591 [  $x^*(13*x+21)/(x-1)/(x^2+x-1)$  ogf]  
A180674 14.9178  $-(-55+26*x^3+63*x^2)/(x-1)/(13*x+21)/(x^2+x-1)$  lgdogf  
A180674 7.33278 [  $\{-a(n+3)+2*a(n+2)-a(n), a(0) = 0, a(1) = 21, a(2) = 55\}$ , ogf]  
A180675 5.14312 [  $\{a(n+3)-11*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
A180675 8.75675  $-(-1+20*x-110*x^2+20*x^3+7*x^4)/(7*x^2+10*x-1)/(x^3-3*x^2+11*x-1)$  lgdogf  
A180675 9.22495 [  $(7*x^2+10*x-1)/(x^3-3*x^2+11*x-1)$  ogf]  
A180676 5.79491  $-(1+524*x^3-38*x+17*x^6+26*x^5+335*x^2-97*x^4)/(17*x^3+13*x^2+19*x-1)/(x^4-4*x^3+6*x^2-20*x+1)$  lgdogf  
A180676 6.87036 [  $-(17*x^3+13*x^2+19*x-1)/(x^4-4*x^3+6*x^2-20*x+1)$  ogf]  
A180677 7.02870 [  $-(2*x-1)^3/(x-1)/(16*x^3-16*x^2+8*x-1)$  ogf]  
A180677 8.44162  $-(3-12*x-64*x^3+32*x^4+48*x^2)/(x-1)/(2*x-1)/(16*x^3-16*x^2+8*x-1)$  lgdogf  
A180678 10.1239 [  $-(2*x-1)^2/(8*x^3-11*x^2+6*x-1)$  ogf]  
A180678 12.0550  $-2*(x-1)*(8*x^2-4*x+1)/(2*x-1)/(8*x^3-11*x^2+6*x-1)$  lgdogf  
A180678 5.55471 [  $\{a(n+3)-6*a(n+2)+11*a(n+1)-8*a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A180713 13.1422  $-2*(3+14*x^3+8*x+x^6+8*x^5+7*x^2+7*x^4)/(x-1)/(x+1)/(x^2+1)/(x^3+5*x^2+2*x+4)$  lgdogf  
A180713 14.0363 [  $x*(x^3+5*x^2+2*x+4)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A180715 25.7072  $-2*\ln(1+x)-2*\ln(1+x)*x+3*x$  revogf  
A180735 10.8801 [  $-(x-1)*(x+1)/(x^3+x^2-x+1)$  ogf]  
A180735 15.2763  $-(1-4*x+x^4-2*x^2)/(x-1)/(1+x)/(x^3+x^2-x+1)$  lgdogf  
A180735 5.53720 [  $\{a(n+3)-a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = -1\}$ , ogf]  
A180752 8.30067 [  $-x*(x^3+x^2+x-1)/(x-1)/(x+1)/(x^3+2*x-1)$  ogf]  
A180752 8.48662  $-(1+2*x^7-5*x^2+6*x^3-3*x^4+4*x^5+3*x^6)/(x-1)/(x+1)/(x^3+x^2+x-1)/(x^3+2*x-1)$  lgdogf  
A180762 10.5763 [  $-(x-1)*(2*x^2+x+1)/(2*x^4-x^2-3*x+1)$  ogf]  
A180762 9.11387  $-(3+4*x^3+4*x+4*x^6-4*x^5-9*x^2+2*x^4)/(x-1)/(2*x^2+x+1)/(2*x^4-x^2-3*x+1)$  lgdogf  
A180763 4.20296 [  $-(x-1)*(2*x^6-3*x^5-5*x^4-x^3+7*x^2+7*x+1)/(2*x^8-4*x^7-3*x^6+x^5+10*x^4+5*x^3-8*x^2-5*x+1)$  ogf]  
A180844 13.6823  $-1/108*(-1-29*x+(1+58*x+625*x^2)^(1/2))/x$  revogf  
A180844 16.2707 [  $x/(27*x-1)/(2*x-1)$  ogf]  
A180844 19.3440  $-(-29+108*x)/(27*x-1)/(2*x-1)$  lgdogf  
A180844 6.86114 [  $\{a(n+2)-29*a(n+1)+54*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A180845 12.1120  $-1/96*(-1-19*x+(1+38*x+169*x^2)^(1/2))/x$  revogf  
A180845 14.0851 [  $x/(16*x-1)/(3*x-1)$  ogf]  
A180845 16.7062  $-(-19+96*x)/(-1+16*x)/(3*x-1)$  lgdogf  
A180845 5.93951 [  $\{a(n+2)-19*a(n+1)+48*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A180846 12.3437  $-1/324*(-1-83*x+(1+166*x+6241*x^2)^(1/2))/x$  revogf  
A180846 14.9695 [  $x/(81*x-1)/(2*x-1)$  ogf]  
A180846 18.3027  $-(-83+324*x)/(81*x-1)/(2*x-1)$  lgdogf  
A180846 6.41550 [  $\{a(n+2)-83*a(n+1)+162*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A180847 13.6823  $-1/216*(-1-31*x+(1+62*x+529*x^2)^(1/2))/x$  revogf  
A180847 15.8188 [  $x/(27*x-1)/(4*x-1)$  ogf]  
A180847 19.3440  $-(-31+216*x)/(27*x-1)/(4*x-1)$  lgdogf  
A180847 6.77946 [  $\{a(n+2)-31*a(n+1)+108*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A180853 15.2507 [  $-(5*x^4+7*x^3+9*x^2+6*x+4)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A180853 9.09045  $-(6+18*x+27*x^6+24*x^5+5*x^8+14*x^7+20*x^4+21*x^2+20*x^3)/(x-1)/(x^4+x^3+x^2+x+1)/(5*x^4+7*x^3+9*x^2+6*x+4)$  lgdogf  
A180857 8.18850  $-2*(-22+18*x^3-41*x+3*x^6-5*x^5+7*x^2-8*x^4)/(x-1)/(x+1)/(6*x^5-11*x^4-8*x^3+24*x^2-2*x-21)$  lgdogf  
A180857 8.43990 [  $-(x^4-8*x^2-4*x-1)/(x+1)^2/(x-1)^4$  ogf]  
A180861 9.11605 [  $(x^4-x^2+2*x+1)/(x+1)^2/(x-1)^4$  ogf]  
A180861 9.73305  $-2*(-8+8*x^3-10*x+2*x^6-3*x^5+5*x^2-6*x^4)/(x-1)/(x+1)/$



$(4x^5-7x^4-6x^3+14x^2-8) \lgdogf$   
A180863 12.7493  $[-(6x^2-19x+21)/(x-1)^3 \text{ ogf}]$   
A180863 19.6995  $-2*(22-13x+3x^2)/(x-1)/(6x^2-19x+21) \lgdogf$   
A180863 6.98439  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 21, a(1) = 44, a(2) = 75}], \text{ ogf}]$   
A180898 8.21003  $1/2/(1+5x+15x^2+25x^3+25x^4)*(1+10x^2+10x^3+3x+(5x^2+2x+1)^{1/2})*x \text{ revogf}$   
A180907 10.2635  $1/2*(1+8x^2+4x+(1+8x^2+4x)^{1/2})*x/(2x+1)/(1+8x^2+4x) \text{ revogf}$   
A180919 11.0814  $[(729x^2-730x-1)/(x-1)^3 \text{ ogf}]$   
A180919 16.4175  $-(-733-2x+729x^2)/(x-1)/(729x^2-730x-1) \lgdogf$   
A180919 6.15631  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 733, a(2) = 1467}], \text{ ogf}]$   
A180920 10.3539  $[-(x^2-30x+1)/(x-1)/(x^2-62x+1) \text{ ogf}]$   
A180920 5.61567  $[{-a(n+3)+63a(n+2)-63a(n+1)+a(n), a(0) = 1, a(1) = 33, a(2) = 2017}], \text{ ogf}]$   
A180920 7.58206  $-(33-124x-60x^3+x^4+1830x^2)/(x-1)/(x^2-30x+1)/(x^2-62x+1) \lgdogf$   
A180921 5.45905  $[(x+1)*(x^2-1826x+1)/(x^2-62x+1)/(x^2-3842x+1) \text{ ogf}]$   
A180926 11.8398  $[-x/(x-1)/(x^2-62x+1) \text{ ogf}]$   
A180926 14.3140  $-3*(21-42x+x^2)/(x-1)/(x^2-62x+1) \lgdogf$   
A180926 4.46590  $[{a(n+3)-63a(n+2)+63a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 63}], \text{ ogf}]$   
A180958 7.56472  $[-(x^2+x-1)/(x+1)/(x^3+2x^2-3x+1) \text{ ogf}]$   
A180958 9.08346  $-(1+2x^3+2x^5-8x^2+6x^4)/(x+1)/(x^2+x-1)/(x^3+2x^2-3x+1) \lgdogf$   
A180964 12.3717  $-(4+14x^3+4x+5x^5+22x^2+5x^4)/(x-1)/(x^2+x+1)/(5x^3+3x+1) \lgdogf$   
A180964 13.2464  $[(5x^3+3x+1)/(x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A180964 4.89714  $[{(-n-3)*a(n+1)-a(n+2)-a(n+3)+(n+2)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 4, a(3) = 10}], \text{ ogf}]$   
A180965 12.3167  $[-(x^3-2x^2-1)/(x^4-2x^3-2x+1) \text{ ogf}]$   
A180965 13.1120  $-(2+4x+x^6-4x^5+4x^4-x^2)/(x^3-2x^2-1)/(x^4-2x^3-2x+1) \lgdogf$   
A180970 5.41471  $[(x^8+2x^7-4x^6-3x^5-6x^4+3x^3+8x^2+2x+1)/(x^2+1)/(x^4+x^3-3x^2-x+1) \text{ ogf}]$   
A180972 2.79551  $[{-2a(n+2)+5a(n+1)-2a(n), a(0) = 4096, a(1) = 14336}], \text{ ogf}]$   
A180972 4.87843  $[8192*(x+1)/(2x-1)/(x-2) \text{ ogf}]$   
A180972 6.81544  $-(-7+4x+2x^2)/(x-2)/(2x-1)/(x+1) \lgdogf$   
A180973 2.48155  $[{3a(n+2)-10a(n+1)+3a(n), a(0) = 0, a(1) = 78732}], \text{ ogf}]$   
A180973 4.96309  $[236196*x/(3x-1)/(x-3) \text{ ogf}]$   
A180973 7.93152  $-2*(-5+3x)/(-1+3x)/(x-3) \lgdogf$   
A181066 8.39656  $1/6*(\text{HeunG}(-1/8, 1/4, 1, 1, 1, 1, -x)+4*\text{HeunG}(-1/8, 1/4, 1, 1, 1, 1, -x)*x-1)/x \lgdogf$   
A181099 7.94111  $[x*(x^8+3x^7+3x^6-5x^5+3x^4+3x^3-5x^2+3x+3)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 \text{ ogf}]$   
A181106 11.8494  $[(x^3-x^2-5x+1)/(x+1)/(x-1)^3 \text{ ogf}]$   
A181106 16.4465  $-(-3-8x+x^4-14x^2)/(-1+x)/(x+1)/(x^3-x^2-5x+1) \lgdogf$   
A181120 12.8912  $[x^3/(x^2+x+1)/(x+1)/(x-1)^4 \text{ ogf}]$   
A181120 18.6294  $-(2+6x+9x^2+7x^3)/(x-1)/(x+1)/(x^2+x+1) \lgdogf$   
A181120 31.2962  $[x^2+x+2 \text{ ogf\_with\_Euler\_transform}]$   
A181137 10.7210  $[-(x^2+1)*(x+1)/(2x^3+2x^2+2x-1) \text{ ogf}]$   
A181137 11.7524  $-(3+4x^3+6x+6x^2+2x^4)/(x^2+x+1)/(2x^3+2x^2+2x-1) \lgdogf$   
A181137 5.56202  $[{-a(n+4)+2a(n+3)+2a(n+2)+2a(n+1), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 27}], \text{ ogf}]$   
A181140 8.52118  $-(3+6x+2x^6+4x^5+6x^4+9x^2+8x^3)/(x+1)/(1+x^2)/(2x^4+2x^3+2x^2+2x-1) \lgdogf$   
A181140 8.80110  $[-3*(x^2+1)*(x+1)/(2x^4+2x^3+2x^2+2x-1) \text{ ogf}]$   
A181156 11.7225  $[-(x^3-x^2-21x-3)/(x^2+4x-1)/(x^2-4x-1) \text{ ogf}]$   
A181192 4.38401  $[{-a(n+3)+24a(n+2)-40a(n+1)-8a(n), a(0) = 1, a(1) = 14, a(2) = 290}], \text{ ogf}]$

A181192 7.06815  $-2*(7+80*x^3-46*x+260*x^2+24*x^4)/(2*x-1)/(4*x^2+22*x-1)/(6*x^2+10*x-1)$  lgdogf  
A181192 8.01452  $[-(6*x^2+10*x-1)/(2*x-1)/(4*x^2+22*x-1)$  ogf]  
A181193 3.92687  $[-(224*x^4-1976*x^3+164*x^2-78*x+1)/(16*x-1)/(4*x^2+1)/(4*x^2-104*x+1)$  ogf]  
A181201 3.62716  $[{(-27*n^3-216*n^2-573*n-504)*a(n+1)+(n^3+10*n^2+29*n+20)*a(n+2), a(0) = 0, a(1) = 30}$ ], ogf]  
A181202 2.73984  $[{(-256*n^4-2688*n^3-10544*n^2-18312*n-11880)*a(n+1)+(n^4+16*n^3+89*n^2+194*n+120)*a(n+2), a(0) = 0, a(1) = 168}$ ], ogf]  
A181207 6.44515  $-(25+648*x^3-12*x+81*x^6-108*x^5-303*x^2-315*x^4)/(3*x^2-1)/(3*x^2-5*x+1)/(9*x^3-6*x^2-15*x+8)$  lgdogf  
A181207 8.70715  $[-(9*x^3-6*x^2-15*x+8)/(3*x^2-1)/(3*x^2-5*x+1)$  ogf]  
A181208 5.16071  $[-4*(4*x^5-4*x^4-14*x^3+7*x^2+8*x-4)/(4*x^3-12*x^2+8*x-1)/(4*x^3+4*x^2-2*x-1)$  ogf]  
A181214 4.08689  $[-4*(2*x^8-2*x^7-x^6-9*x^5-23*x^4-7*x^3+4*x^2+4*x+2)/(2*x^3-3*x^2-6*x+1)/(4*x^6+12*x^4-3*x^2-1)$  ogf]  
A181239 5.44201  $[-2*(4*x^4-13*x^3-17*x^2+9*x+8)/(8*x^5-30*x^4-21*x^3+20*x^2+10*x-1)$  ogf]  
A181246 4.94971  $[{a(n+3)-6*a(n+2)-10*a(n+1)+5*a(n), a(0) = 8, a(1) = 57, a(2) = 417}$ ], ogf]  
A181246 9.26074  $[-(5*x^2-9*x-8)/(5*x^3-10*x^2-6*x+1)$  ogf]  
A181246 9.37313  $-(57+150*x-90*x^3+25*x^4)/(5*x^2-9*x-8)/(5*x^3-10*x^2-6*x+1)$  lgdogf  
A181247 6.07330  $[-8*(8*x^3-x^2-7*x-2)/(64*x^4-16*x^3-54*x^2-10*x+1)$  ogf]  
A181255 4.97269  $[-6*(756*x^6+99*x^5+45*x^4-291*x^3-17*x^2-7*x+21)/(3*x-1)/(3*x^3-1)/(9*x^3-1)$  ogf]  
A181270 4.77884  $[{a(n+4)-4*a(n+3)-4*a(n+2)+16*a(n+1), a(0) = 1, a(1) = 2, a(2) = 11, a(3) = 44}$ ], ogf]  
A181270 9.21634  $[(8*x^3-x^2-2*x+1)/(2*x+1)/(2*x-1)/(4*x-1)$  ogf]  
A181270 9.58230  $-2*(-1-3*x+14*x^2+8*x^4)/(2*x+1)/(2*x-1)/(4*x-1)/(8*x^3-x^2-2*x+1)$  lgdogf  
A181271 3.98871  $[x^2*(512*x^6+960*x^5-832*x^4-444*x^3+272*x^2-3*x-6)/(2*x+1)/(8*x-1)/(4*x+1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A181278 4.79079  $[{-a(n+4)+4*a(n+3)+4*a(n+2)-16*a(n+1), a(0) = 0, a(1) = 3, a(2) = 11, a(3) = 48}$ ], ogf]  
A181278 9.30047  $-(11+32*x^3+8*x-116*x^2+128*x^4)/(2*x+1)/(2*x-1)/(4*x-1)/(8*x^2+x-3)$  lgdogf  
A181278 9.72676  $[-x*(8*x^2+x-3)/(2*x+1)/(2*x-1)/(4*x-1)$  ogf]  
A181279 3.98871  $[-x^2*(512*x^6-320*x^5+224*x^4+124*x^3-16*x^2-47*x+9)/(2*x+1)/(8*x-1)/(4*x+1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A181282 22.3655  $-3/2-2*x+3/2*(4*x+1)^{1/2}$  revogf  
A181282 3.88027  $[{(16*n^2+8*n)*a(n)+(6*n^2+24*n+24)*a(n+1)+(-n^2-5*n-6)*a(n+2), a(0) = 1, a(1) = 3}$ ], ogf]  
A181286 18.9873  $-(4+5*x^3+6*x+9*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A181286 32.0332  $[x^2-x+4$  ogf\_with\_Euler\_transform]  
A181286 9.47306  $[x^2*(x+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A181287 14.3712  $-2*(-1-9*x^3-x+5*x^7+5*x^6+5*x^5-x^2+5*x^4)/(x-1)/(x+1)/(1+x^2)/(5*x^4-1)$  lgdogf  
A181287 14.5303  $[x*(x^2+1)*(x+1)/(x-1)/(5*x^4-1)$  ogf]  
A181288 10.0970  $-(2+12*x^9+12*x^7-2*x+12*x^5+12*x^8+12*x^6-2*x^2-2*x^3-27*x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(6*x^5-1)$  lgdogf  
A181288 12.2349  $[x*(x^4+x^3+x^2+x+1)/(x-1)/(6*x^5-1)$  ogf]  
A181290 12.2137  $-(-11+17*x+2*x^3-10*x^2)/(x-1)/(-2+x)/(2*x^2-4*x+1)$  lgdogf  
A181290 22.2463  $1-\cos(1/2*\arctan(2*x^{1/2}))$  revogf  
A181290 7.61966  $[-x*(x-2)*(x-1)^2/(2*x^2-4*x+1)^2$  ogf]  
A181292 17.6155  $-(7-12*x+6*x^2)/(x-1)/(2*x^2-4*x+1)$  lgdogf  
A181292 9.34442  $[-x*(x-1)/(2*x^2-4*x+1)^2$  ogf]  
A181294 18.2271  $-(-5-4*x+2*x^2)/(x-1)/(2*x^2-4*x+1)$  lgdogf  
A181294 3.72340  $[{(n+2)*a(n+3)+(-5*n-10)*a(n+2)+(4+6*n)*a(n+1)-2*n*a(n), a(0) = 0, a(1) = 2, a(2) = 10}$ ], ogf]  
A181294 7.58137  $[-2*x*(x-1)^3/(2*x^2-4*x+1)^2$  ogf]

A181296 13.2531  $-(5+3*x+6*x^3-10*x^2)/(x-1)/(x+1)/(2*x^2-4*x+1)$  lgdogf  
A181296 7.61966  $[2*x*(x-1)^2/(x+1)/(2*x^2-4*x+1)^2$  ogf]  
A181298 6.45240  $[-2*x*(x^2-x-1)*(x-1)^2/(x+1)/(2*x^2-4*x+1)^2$  ogf]  
A181298 9.11962  $-(-6+5*x^3-2*x+2*x^5+3*x^2-6*x^4)/(x-1)/(x+1)/(2*x^2-4*x+1)/(x^2-x-1)$  lgdogf  
A181300 12.3500  $-2*(2+3*x-4*x^2+2*x^3)/(-1+x)/(x+1)/(2*x^2-4*x+1)$  lgdogf  
A181300 6.43776  $[-x^2*(x-1)^3/(x+1)/(2*x^2-4*x+1)^2$  ogf]  
A181301 15.1269  $-2*(1+x+2*x^2)/(x-1)/(x+1)/(x^3-x^2-3*x+1)$  lgdogf  
A181301 4.87490  $[{-a(n+4)+3*a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 20}$ ], ogf]  
A181301 9.39655  $[(x-1)^2*(x+1)/(x^3-x^2-3*x+1)$  ogf]  
A181303 10.3957  $[x*(x^2-x+1)*(x^2+x+1)*(x+1)/(x-1)/(7*x^6-1)$  ogf]  
A181303 8.45929  $-2*(-1-x-19*x^5+7*x^7+7*x^6-x^2-x^3-x^4+7*x^8+7*x^9+7*x^10+7*x^11)/(x-1)/(x+1)/(x^2+x+1)/(7*x^6-1)$  lgdogf  
A181305 12.5136  $-(5+3*x-10*x^2+6*x^3)/(-1+x)/(x+1)/(2*x^2-4*x+1)$  lgdogf  
A181305 7.35164  $[x*(x-1)^2/(x+1)/(2*x^2-4*x+1)^2$  ogf]  
A181306 10.4008  $[(x-1)^2*(x+1)/(2*x^3-2*x^2-2*x+1)$  ogf]  
A181306 17.6012  $-(1+3*x)/(x-1)/(x+1)/(2*x^3-2*x^2-2*x+1)$  lgdogf  
A181306 5.43677  $[{a(n+4)-2*a(n+3)-2*a(n+2)+2*a(n+1), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 7}$ ], ogf]  
A181315 6.04229  $x*(-1+x^4-x^2+x^3-x^5-4*x^7+x^8+2*x+3*x^11+x^10-2*x^9+x^12)/(-1+x-x^7+3*x^11+2*x^6+3*x^4-2*x^10+x^13-x^9-x^12)$  revogf  
A181318 5.95292  $[-x*(x^10+x^9+9*x^8+x^7+22*x^6+6*x^5+22*x^4+x^3+9*x^2+x+1)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
A181319 8.01889  $[-(11009*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-11011)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A181326 12.7784  $-4*(1+2*x-4*x^2+2*x^3)/(x-1)/(x+1)/(2*x^2-4*x+1)$  lgdogf  
A181326 6.92109  $[2*x*(x-1)^2/(x+1)^2/(2*x^2-4*x+1)^2$  ogf]  
A181328 5.91104  $[-x^2*(x^2-3)*(x-1)^2/(x+1)^2/(2*x^2-4*x+1)^2$  ogf]  
A181328 9.06727  $-2*(-6-11*x+22*x^2-7*x^3-4*x^4+2*x^5)/(x-1)/(x+1)/(x^2-3)/(2*x^2-4*x+1)$  lgdogf  
A181329 10.3554  $[(x-1)^2*(x+1)^2/(x^4-2*x^2-2*x+1)$  ogf]  
A181329 15.7089  $-2*(1+3*x^2)/(x-1)/(x+1)/(x^4-2*x^2-2*x+1)$  lgdogf  
A181331 19.1239  $-(5-4*x+2*x^2)/(x-1)/(2*x^2-4*x+1)$  lgdogf  
A181331 3.92780  $[{(n+2)*a(n+3)+(-5*n-10)*a(n+2)+(4+6*n)*a(n+1)-2*n*a(n), a(0) = 0, a(1) = 1, a(2) = 5}$ ], ogf]  
A181331 7.95024  $[-x*(x-1)^3/(2*x^2-4*x+1)^2$  ogf]  
A181337 6.19560  $[-x*(x^2-x-1)*(x-1)^2/(x+1)/(2*x^2-4*x+1)^2$  ogf]  
A181337 8.75115  $-(-6+5*x^3-2*x+2*x^5+3*x^2-6*x^4)/(x-1)/(x+1)/(2*x^2-4*x+1)/(x^2-x-1)$  lgdogf  
A181342 6.80240  $[-(6*x^4+46*x^3+66*x^2+21*x+1)/(x-1)^5$  ogf]  
A181342 9.46421  $-2*(13+108*x+168*x^2+58*x^3+3*x^4)/(x-1)/(6*x^4+46*x^3+66*x^2+21*x+1)$  lgdogf  
A181343 10.5815  $-(-76+316*x+x^4+46*x^3+261*x^2)/(x-1)/(x^4+21*x^3+66*x^2+46*x+6)$  lgdogf  
A181343 6.94122  $[-(x^4+21*x^3+66*x^2+46*x+6)/(x-1)^5$  ogf]  
A181353 17.6911  $[-x/(3*x^2+9*x-1)$  ogf]  
A181353 17.9288  $1/6/x*(-1-9*x+(1+18*x+93*x^2)^(1/2))$  revogf  
A181353 26.8933  $-3*(3+2*x)/(3*x^2-1+9*x)$  lgdogf  
A181353 8.08114  $[{-a(n+2)+9*a(n+1)+3*a(n), a(0) = 0, a(1) = 1}$ ], ogf]  
A181358 16.2434  $[4*(x+2)/(4*x-1)/(x-1)$  ogf]  
A181358 7.57390  $-1/8*(-8-5*x+(64+96*x+9*x^2)^(1/2))/(x-1)$  revogf  
A181358 8.17184  $-(-11+16*x+4*x^2)/(-1+x)/(2+x)/(4*x-1)$  lgdogf  
A181358 8.80665  $[{-a(n+2)+5*a(n+1)-4*a(n), a(0) = 8, a(1) = 44}$ ], ogf]  
A181367 14.3012  $(3-8*x+2*x^2)/(-1+x)/(2*x-1)/(2*x^2-4*x+1)$  lgdogf  
A181367 4.54344  $[{-a(n+4)+6*a(n+3)-10*a(n+2)+4*a(n+1), a(0) = 2, a(1) = 6, a(2) = 22, a(3) = 78}$ ], ogf]  
A181367 8.76234  $[2*(x-1)^3/(2*x-1)/(2*x^2-4*x+1)$  ogf]  
A181369 16.8613  $2*(-1-4*x+2*x^2)/(x-1)/(2*x^2-4*x+1)$  lgdogf  
A181369 5.84642  $[(x-1)^6/(2*x^2-4*x+1)^2$  ogf]  
A181385 11.6807  $[(x^5-2*x^4+x^2-1)/(x+1)/(x-1)^3$  ogf]

A181385 13.2770  $(2+2*x-2*x^5+x^6+6*x^3-x^4-2*x^2)/(x-1)/(x+1)/(x^5-2*x^4+x^2-1)$   
lgdogf  
A181389 11.7358  $[-2*(2*x^4-7*x^3+x^2+x-1)/(x-1)^2$  ogf]  
A181389 14.7178  $(1-3*x+4*x^4-15*x^3+21*x^2)/(x-1)/(2*x^4-7*x^3+x^2+x-1)$  lgdogf  
A181390 15.5001  $[(9*x^2-2*x+1)/(x-1)^2$  ogf]  
A181390 32.3792  $-16*x/(x-1)/(9*x^2-2*x+1)$  lgdogf  
A181390 8.13369  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 0, a(2) = 8}],$  ogf]  
A181394 4.98745  $[-2*(2*x^6-2*x^5+2*x^4-12*x^3+2*x^2+x-1)/(x^2-x+1)^2/$   
 $(x^2+3*x-1)^2$  ogf]  
A181402 4.76059  $[{a(n+4)-a(n+3), a(0) = 1, a(1) = 10, a(2) = 73, a(3) = 121}],$   
ogf]  
A181402 8.65562  $[-(48*x^3+63*x^2+9*x+1)/(x-1)$  ogf]  
A181404 17.9116  $[-3*x*(4*x+1)/(x-1)$  ogf]  
A181404 8.95582  $[{-a(n+3)+a(n+2), a(0) = 0, a(1) = 3, a(2) = 15}],$  ogf]  
A181405 33.3422  $2*x/(3+(9+24*x)^(1/2))$  revegef  
A181405 5.95874  $[{-a(n+3), a(0) = 0, a(1) = 3, a(2) = 12}],$  ogf]  
A181405 81.5030  $4/(4*x+1)$  lgdogf  
A181407 12.1263  $[-(20*x^2-15*x+3)/(2*x-1)^3$  ogf]  
A181407 19.2303  $-(3-20*x+40*x^2)/(2*x-1)/(20*x^2-15*x+3)$  lgdogf  
A181407 6.86798  $[{a(n+3)-6*a(n+2)+12*a(n+1)-8*a(n), a(0) = 3, a(1) = 3, a(2) =$   
 $2}],$  ogf]  
A181427 8.07012  $[2*(5*x^5-3*x^4+14*x^3+2*x^2+5*x+1)/(x-1)^4/(x+1)^4$  ogf]  
A181427 9.65592  $-(5+12*x-12*x^5+95*x^4+77*x^2+15*x^6)/(x-1)/(x+1)/$   
 $(5*x^5-3*x^4+14*x^3+2*x^2+5*x+1)$  lgdogf  
A181430 13.2090  $-(57+145*x+92*x^2+12*x^3)/(x-1)/(2*x+1)/(2*x^2+9*x+6)$  lgdogf  
A181430 3.51747  $[{(8638*n^2+27438*n+20324)*a(n+1)+(-3761*n^2+44340*n-6403)*a(n$   
 $+2)+(-4877*n^2-4203*n+674)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 6}],$  ogf]  
A181430 6.66992  $[x^2*(2*x+1)*(2*x^2+9*x+6)/(x-1)^6$  ogf]  
A181433 11.3854  $-(4+36*x+7*x^4+49*x^3+35*x^2+x^5)/(x-1)/(x+1)/$   
 $(x^4+3*x^3+14*x^2+3*x+1)$  lgdogf  
A181433 8.64236  $[-(x^4+3*x^3+14*x^2+3*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A181440 14.7230  $[-(x-2)*(x^2-x+1)/(x-1)^2$  ogf]  
A181440 22.5896  $(1+3*x+x^3-3*x^2)/(x-2)/(x-1)/(x^2-x+1)$  lgdogf  
A181440 7.87808  $[{a(n+4)-2*a(n+3)+a(n+2), a(0) = 2, a(1) = 1, a(2) = 3, a(3) =$   
 $4}],$  ogf]  
A181442 7.99728  $[-(x^4+x^3-8*x^2+x+1)/(x-1)/(x^4-10*x^2+1)$  ogf]  
A181442 8.67922  $-(2+4*x+x^8-15*x^6+69*x^4-22*x^3+2*x^7-9*x^2)/(x-1)/$   
 $(x^4+x^3-8*x^2+x+1)/(x^4-10*x^2+1)$  lgdogf  
A181443 10.4771  $[-(x^8+x^7+3*x^6+17*x^5-98*x^4+17*x^3+3*x^2+x+1)/(x-1)/$   
 $(x^8-110*x^4+1)$  ogf]  
A181474 5.19973  $[-(x^4+x^3+4*x^2+x+1)/(x+1)^4/(x-1)^5$  ogf]  
A181475 13.4983  $-(7+140*x+x^4+8*x^3+204*x^2)/(x-1)/(x^4+2*x^3+66*x^2+2*x+1)$   
lgdogf  
A181475 8.44396  $[-(x^4+2*x^3+66*x^2+2*x+1)/(x-1)^5$  ogf]  
A181477 29.8465  $-5*(1+5*x)/(x-1)/(x+1)$  lgdogf  
A181477 30.1413  $[[5+10*x]$  ogf\_with\_Euler\_transform]  
A181477 4.92715  $[{(n+3)*a(n+3)-5*a(n+2)+(-26-n)*a(n+1), a(0) = 1, a(1) = 5, a(2)$   
 $= 25}],$  ogf]  
A181478 28.1381  $-6*(6*x+1)/(x-1)/(x+1)$  lgdogf  
A181478 28.3847  $[[6+15*x]$  ogf\_with\_Euler\_transform]  
A181478 4.64758  $[{(n+3)*a(n+3)-6*a(n+2)+(-37-n)*a(n+1), a(0) = 1, a(1) = 6, a(2)$   
 $= 36}],$  ogf]  
A181479 30.8039  $-7*(1+7*x)/(x-1)/(x+1)$  lgdogf  
A181479 31.0183  $[[7+21*x]$  ogf\_with\_Euler\_transform]  
A181479 5.07880  $[{(n+3)*a(n+3)-7*a(n+2)+(-50-n)*a(n+1), a(0) = 1, a(1) = 7, a(2)$   
 $= 49}],$  ogf]  
A181480 28.6024  $-8*(1+8*x)/(x-1)/(x+1)$  lgdogf  
A181480 28.7895  $[[8+28*x]$  ogf\_with\_Euler\_transform]  
A181480 4.72034  $[{(n+3)*a(n+3)-8*a(n+2)+(-65-n)*a(n+1), a(0) = 1, a(1) = 8, a(2)$   
 $= 64}],$  ogf]  
A181482 10.9986  $-3*(1-x+3*x^5+x^6+5*x^3-4*x^4+4*x^2)/(x-1)/(x^2+x+1)/$

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(x^4+2*x^3-3*x^2+2*x+1) lgdogf
A181482 9.11966 [ -(x^4+2*x^3-3*x^2+2*x+1)/(x^2+x+1)^2/(x-1)^3 ogf]
A181509 11.3237 [ -2*(x^4+22*x^2+1)/(x-1)^3 ogf]
A181509 15.5896 (-3-44*x+x^4-4*x^3-22*x^2)/(x-1)/(x^4+22*x^2+1) lgdogf
A181509 5.01588 [{-a(n+5)+3*a(n+4)-3*a(n+3)+a(n+2), a(0) = 2, a(1) = 6, a(2) = 56, a(3) = 152, a(4) = 296}, ogf]
A181510 14.9410 -(-9+2*x+x^2)/(-1+x)/(x^2-3) lgdogf
A181510 3.78905 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 6, a(1) = 18, a(2) = 34}, ogf]
A181510 7.57811 [ 2*(x^2-3)/(x-1)^3 ogf]
A181517 14.0048 1/2/(1+x)^2*(-2*x-1+(1+8*x+8*x^2)^(1/2)) revogf
A181527 11.0758 [ (2*x^2-2*x+1)/(2*x-1)^2/(x-1)^2 ogf]
A181527 15.1500 -2*(-2+5*x+4*x^3-6*x^2)/(x-1)/(2*x-1)/(2*x^2-2*x+1) lgdogf
A181531 17.8285 [-x^3-x^2+x)/(x-1) ogf_with_Euler_transform]
A181532 16.4498 [ -x/(x+1)/(x^3-x^2+2*x-1) ogf]
A181532 20.2613 -(1+2*x+4*x^3)/(x+1)/(x^3-x^2+2*x-1) lgdogf
A181533 5.59009 [ -2*(5*x^9-8*x^7+9*x^5-4*x^3+1)/(x^5-x^3+1)/(x^5-x^3+2*x-1) ogf]
A181534 5.87717 [ (x^15+x^14+x^12+x^11+x^10+x^8+x^7+x^5+x^4+x^2+x+1)/(x^16+x^15+x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]
A181553 20.4699 -(98*x+(4*x^2+1)^(1/2))/(-1+9600*x^2)*x revogf
A181553 24.0823 -2*(-49+4800*x)/(100*x-1)/(96*x-1) lgdogf
A181553 5.03110 [ {(-n-3)*a(n+3)+(490+196*n)*a(n+2)+(-19200-9600*n)*a(n+1), a(0) = 1, a(1) = 98, a(2) = 9606}, ogf]
A181560 14.4061 -x^4*(-5+3*x^2+4*x^3)/(2*x^3+x^2-1)/(x^5-2*x^3-x^2+1) lgdogf
A181560 8.99417 [ -(2*x^3+x^2-1)/(x^5-2*x^3-x^2+1) ogf]
A181565 11.8413 1/2*ln(2*x+5)-arctanh((6*x+16)^(1/2))-1/2*ln(5)+arctanh(4) revogf
A181565 15.5674 [ -(5*x-4)/(2*x-1)/(x-1) ogf]
A181565 18.0736 -(7-16*x+10*x^2)/(x-1)/(5*x-4)/(2*x-1) lgdogf
A181565 8.54310 [{a(n+2)-3*a(n+1)+2*a(n), a(0) = 4, a(1) = 7}, ogf]
A181571 5.52576 [ {(16*n^3+160*n^2+524*n+560)*a(n+1)+(-n^3-15*n^2-68*n-84)*a(n+2), a(0) = 1, a(1) = 6}, ogf]
A181586 10.7506 [ x^2*(x-1)/(x+1)/(2*x-1)/(x^2+1) ogf]
A181586 14.4746 -2*x*(-1-3*x^2+3*x^3-x)/(x-1)/(2*x-1)/(x+1)/(x^2+1) lgdogf
A181600 17.4821 [ -1/(x^10-x^8+x^2+x-1) ogf]
A181617 12.6261 [ 4*x*(2*x+1)/(x-1)^4 ogf]
A181617 5.47133 [ {(n+2)*a(n+3)+(-5+n)*a(n+2)+(-6-2*n)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 24}, ogf]
A181626 13.2929 [ 2*(2*x^3+5*x^2-2)/(x+1)/(4*x^2+x-1) ogf]
A181626 6.10451 -2*x*(-5+5*x^3-9*x)/(x+1)/(4*x^2+x-1)/(2*x^3+5*x^2-2) lgdogf
A181626 7.16659 [{a(n+4)-5*a(n+2)-4*a(n+1), a(0) = 4, a(1) = 0, a(2) = 10, a(3) = 12}, ogf]
A181635 12.8332 [ 36*x*(36*x^2-6*x+1)/(36*x^2+6*x+1)/(6*x-1)^2 ogf]
A181635 7.44520 [{a(n+4)-6*a(n+3)-216*a(n+1)+1296*a(n), a(0) = 0, a(1) = 36, a(2) = 0, a(3) = 1296}, ogf]
A181639 3.42684 [ {-a(n+2)+10*a(n), a(0) = 20, a(1) = 30}, ogf]
A181639 5.21814 [ -10*(3*x+2)/(10*x^2-1) ogf]
A181639 5.47605 1/10*(-10+(100+30*x+10*x^2)^(1/2))/(x+3) revogf
A181639 6.25834 -(3+40*x+30*x^2)/(3*x+2)/(10*x^2-1) lgdogf
A181640 13.1685 -(4+6*x+11*x^4+6*x^3+6*x^2+7*x^5)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1) lgdogf
A181640 28.5982 [[x^4-x+4] ogf_with_Euler_transform]
A181640 8.96288 [ x^3*(x+1)/(x^4+x^3+x^2+x+1)/(x-1)^4 ogf]
A181641 25.4828 -(-3+2*x)/(x+1)/(-1+4*x) lgdogf
A181641 3.66952 [ {(-n-3)*a(n+3)+(3+3*n)*a(n+2)+(6+4*n)*a(n+1), a(0) = 1, a(1) = -3, a(2) = 1}, ogf]
A181648 8.48049 [ -(3*x^4+2*x^3+2*x^2+x+1)/(-x^5-x^4-x^3-x^2-x-1) ogf_with_Euler_transform]
A181655 11.2130 [ (x^4-x^3+2*x+1)/(x-1)/(x+1)/(3*x^2-1) ogf]

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A181655 9.40297  $(2+8*x+3*x^6+5*x^2-8*x^3-14*x^4-8*x^5)/(x-1)/(x+1)/(3*x^2-1)/(x^4-x^3+2*x+1)$  lgdogf  
A181658 12.0052  $[(x^3+2*x+1)/(x-1)/(x+1)/(x^4+2*x^2-1)]$  ogf  
A181658 9.11529  $-(-2-6*x+9*x^4+4*x^3+3*x^8+11*x^6-9*x^2+6*x^5)/(x-1)/(x+1)/(x^3+2*x+1)/(x^4+2*x^2-1)$  lgdogf  
A181662 11.4005  $[-(4096*x^8+768*x^6+16*x^3+40*x^2+8*x+3)/(2*x-1)]$  ogf  
A181662 7.75065  $2*(-7-40*x-2304*x^5+28672*x^8+3840*x^6-16384*x^7+16*x^2+32*x^3)/(2*x-1)/(4096*x^8+768*x^6+16*x^3+40*x^2+8*x+3)$  lgdogf  
A181665 6.72351  $x*(1+x)*(x^2-x+1)*(x^9+9*x^6+6*x^3+1)/(x^{11}+x^{10}+8*x^9+8*x^8+x^7+14*x^6+6*x^5+7*x^3+x^2+1)/(x^3+x+1)$  revogf  
A181668 9.67349  $[-(2*x^9+8*x^6+2*x^3+5)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)/(x^4-x^2+1)]$  ogf  
A181679 15.7910  $[-(119*x+123)/(x-1)^3]$  ogf  
A181679 27.6666  $-2*(244+119*x)/(119*x+123)/(x-1)$  lgdogf  
A181679 7.56376  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 123, a(1) = 488, a(2) = 1095},$  ogf]  
A181685 4.32746  $[{(-216*n-1080)*a(n+1)-36*a(n+2)-6*a(n+3)+(n+4)*a(n+4), a(0) = 0, a(1) = 36, a(2) = 432, a(3) = 1296},$  ogf]  
A181685 9.96454  $[-36*x*(36*x^2-6*x-1)/(36*x^2+6*x+1)/(6*x-1)^2]$  ogf  
A181688 12.0993  $[(x-1)/(x^4-2*x^3+2*x^2+2*x-1)]$  ogf  
A181688 12.7097  $-(-1-4*x+3*x^4-8*x^3+8*x^2)/(x-1)/(x^4-2*x^3+2*x^2+2*x-1)$  lgdogf  
A181689 23.4765  $[(2*x^4+3*x^2-1)/(2*x^6+11*x^2-1)]$  ogf  
A181689 24.7319  $-8*x*(-2+x^2-7*x^4+3*x^6+x^8)/(2*x^4+3*x^2-1)/(2*x^6+11*x^2-1)$  lgdogf  
A181716 13.7268  $[-x*(2*x+1)/(x^2+x-1)/(x+1)]$  ogf  
A181716 16.2865  $-(2+4*x+7*x^2+4*x^3)/(2*x+1)/(x+1)/(x^2+x-1)$  lgdogf  
A181716 7.82277  $[{-a(n+3)+2*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 2},$  ogf]  
A181718 5.01980  $[{a(n+3)-111*a(n+2)+1110*a(n+1)-1000*a(n), a(0) = 0, a(1) = 12, a(2) = 1122},$  ogf]  
A181718 9.07993  $[6*x*(35*x-2)/(x-1)/(100*x-1)/(10*x-1)]$  ogf  
A181719 5.41610  $[{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 25, a(1) = 1225, a(2) = 112225},$  ogf]  
A181719 9.19312  $[-25*(160*x^2-62*x+1)/(x-1)/(100*x-1)/(10*x-1)]$  ogf  
A181762 16.7746  $[-x*(2*x^2-x-8)/(x-1)^2/(x+1)^2]$  ogf  
A181768 10.5213  $[{-5*a(n)*n+(6*n+4)*a(n+1)+(-n-2)*a(n+2), a(0) = 1, a(1) = 1},$  ogf]  
A181768 22.2717  $-1/2*(-5*x+1+3*((5*x-1)*(x-1))^(1/2))/(5*x-1)/(x-2)/(x-1)$  lgdogf  
A181773 28.5419  $[5-x]$  ogf\_with\_Euler\_transform  
A181773 4.45157  $[{(n+2)*a(n+3)-5*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 48, a(2) = 240},$  ogf]  
A181773 9.03603  $[48*x*(x+1)/(x-1)^4]$  ogf  
A181829 4.69464  $[-4*x*(5*x^10+3*x^9+21*x^8+2*x^7+30*x^6+6*x^5+14*x^4-3*x^2-x-3)/(x-1)^3/(x+1)^3/(x^2+1)^3]$  ogf  
A181879 18.8568  $[-x*(x+1)/(x^3+4*x^2+3*x-1)]$  ogf  
A181879 24.1940  $-(x+2)*(2*x^2+3*x+2)/(x+1)/(x^3+4*x^2+3*x-1)$  lgdogf  
A181879 9.68324  $[{a(n+3)-3*a(n+2)-4*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 4},$  ogf]  
A181880 10.1735  $[{-a(n+3)+4*a(n+2)+3*a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 19},$  ogf]  
A181880 28.0393  $[-1/(x^3+3*x^2+4*x-1)]$  ogf  
A181880 35.5000  $-(4+6*x+3*x^2)/(3*x^2-1+4*x+x^3)$  lgdogf  
A181888 10.5342  $[-x^2*(x+9)/(x-1)^7]$  ogf  
A181888 44.1062  $-2*(32+3*x)/(x+9)/(x-1)$  lgdogf  
A181888 6.85785  $[{(9+9*n)*a(n+3)+(-64-8*n)*a(n+2)+(-5-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 9},$  ogf]  
A181889 11.1950  $[-16*x*(x^3+14*x^2+21*x+4)/(x-1)^7]$  ogf  
A181889 25.5270  $-(49+154*x+73*x^2+4*x^3)/(x-1)/(x^3+14*x^2+21*x+4)$  lgdogf  
A181889 6.81175  $[{(2*n^2+15*n+28)*a(n+1)+(-74*n^2-759*n-2008)*a(n+2)+(72*n^2+324*n+360)*a(n+3), a(0) = 0, a(1) = 64, a(2) = 784},$  ogf]  
A181890 10.1921  $[(x^2-12*x-5)/(x-1)^3]$  ogf  
A181890 18.1608  $-(-27-22*x+x^2)/(x-1)/(x^2-12*x-5)$  lgdogf

A181890 5.54308 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 5, a(1) = 27, a(2) = 65\}$ , ogf]  
A181900 6.30104 [ $\{(-n^2-6^n-9)a(n+1)+(n^2+2n+1)a(n+3), a(0) = 0, a(1) = 1, a(2) = 8\}$ , ogf]  
A181900 9.71101 [  $-x*(x^4+8x^3+6x^2+8x+1)/(x+1)^3/(x-1)^3$  ogf]  
A181961 8.13612 [  $-(x^4-14x^2+6x+1)/(x^5-2x^4-25x^3-3x^2+12x-1)$  ogf]  
A181963 11.3678 [  $-(15293x^2-29326x+14083)/(x-1)^3$  ogf]  
A181963 6.69235 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 14083, a(1) = 12923, a(2) = 11813\}$ , ogf]  
A181965 4.81828 [ $\{-a(n+3)+111a(n+2)-1110a(n+1)+1000a(n), a(0) = 989, a(1) = 99899, a(2) = 9998999\}$ , ogf]  
A181965 8.25991 [  $-(8000x^2-9880x+989)/(x-1)/(100x-1)/(10x-1)$  ogf]  
A181968 4.05797 [ $\{(3n^2-29n-70)a(n+1)+(-978n^2-8504n-19130)a(n+2)+(975n^2+5617n+8076)a(n+3), a(0) = 53, a(1) = 431, a(2) = 1457\}$ , ogf]  
A181968 9.96958 [  $(x^3+51x^2+219x+53)/(x-1)^4$  ogf]  
A181969 11.5147 [  $-(1681x^2-3022x+1373)/(x-1)^3$  ogf]  
A181969 6.71693 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1373, a(1) = 1097, a(2) = 853\}$ , ogf]  
A181973 11.8550 [  $-(1763x^2-3178x+1447)/(x-1)^3$  ogf]  
A181973 6.91543 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1447, a(1) = 1163, a(2) = 911\}$ , ogf]  
A181975 10.2658 [  $-(2x^4+x^3+x^2+x+1)/(x-1)/(x^4+1)$  ogf]  
A181977 8.18593 [  $-(-6x^8-3x^7-3x^6-3x^4-3x^3-3x-3)/(x^9-1)$  ogf\_with\_Euler\_transform]  
A181982 22.3400 [ $[x^5-4x+2]$  ogf\_with\_Euler\_transform]  
A181982 9.99869 [  $-(x-1)*(x+1)^3/(x^2+x+1)/(x^2-x+1)$  ogf]  
A181983 19.0331 [  $x/(x+1)^2$  ogf]  
A181983 33.3970 [ $[-2+2x]$  ogf\_with\_Euler\_transform]  
A181983 8.69415 [ $\{-a(n+2)-2a(n+1)-a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A181984 12.3849 [  $-(x^2-x+1)/(x^3-2x^2+3x-1)$  ogf]  
A181984 6.74534 [ $\{a(n+3)-3a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A181989 12.3135 [  $-(x^2-4x-1)/(x^3-5x^2-7x+1)$  ogf]  
A181989 6.58880 [ $\{a(n+3)-7a(n+2)-5a(n+1)+a(n), a(0) = 1, a(1) = 11, a(2) = 81\}$ , ogf]  
A181995 14.5449 [  $-x^2*(2x^2+5x+1)/(x+1)^2/(x-1)^3$  ogf]  
A182014 6.67467 [  $-(x^4+6x^3-24x^2+12x+1)/(x^5+5x^4-44x^3+8x^2+17x-1)$  ogf]  
A182026 5.28648 [ $\{(-4n^3-290n^2-978n-828)a(n+1)+(n^3+72n^2+251n-1428)a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 288\}$ , ogf]  
A182033 4.44115 [  $-(-x^{12}+2x^{11}-x^7+x^5-2x+1)/(x^{14}-x^{13}+x^{12}+x^8-x^7+x^6+x^2-x+1)$  ogf\_with\_Euler\_transform]  
A182034 5.18255 [  $-(x^6-2x^5+x^4-x^2+2x-1)/(-x^8+x^7-x^6-x^5+x^4-x^3-x^2+x-1)$  ogf\_with\_Euler\_transform]  
A182036 5.92661 [  $-(-x^7+x^6-x^5-x^4+x^3+x^2-x+1)/(-x^9-2x^6-2x^3-1)$  ogf\_with\_Euler\_transform]  
A182037 3.57999 [ $\{(n^3-n)a(n)+(n^3+6n^2+5n)a(n+1)+(2n^2+6n+6)a(n+2)+(-2-n)a(n+3), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A182041 5.43753 [  $-(11x^6-27x^5-130x^4+70x^3+220x^2+43x-11)/(x^3-5x^2-7x+1)/(x^4-3x^3-x^2+3x+1)$  ogf]  
A182054 6.67744 [  $(6x^2-11x-8)*(2x^3-5x^2-4x+1)/(4x^5-13x^4+3x^3+15x^2+3x-1)$  ogf]  
A182077 7.30609 [  $-(4x^4-23x^3+12x^2+37x+13)/(4x^5-13x^4+3x^3+15x^2+3x-1)$  ogf]  
A182079 11.3044 [  $-x^3*(x^4+x^3+x^2+1)/(x^2+x+1)/(x^2-x+1)/(x+1)^2/(x-1)^3$  ogf]  
A182089 4.42626 [  $-(394274630593x^4+4594381810448x^3+4796126519298x^2+461574415688x+63973)/(x-1)^5$  ogf]  
A182097 13.0841 [ $\{a(n+3)-a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = 1\}$ , ogf]  
A182097 36.8733 [  $-1/(x^3+x^2-1)$  ogf]  
A182122 6.55952 [ $\{-4a(n+1)*n+(-n-3)a(n+3), a(0) = 1, a(1) = 2, a(2) = 2\}$ , ogf]

A182130 6.36438 [  $-(28x^4+55x^3-89x^2-29x+27)/(28x^5+42x^4-109x^3+17x^2+13x-1)$  ogf]  
A182143 12.8352 [  $(x^2-2x-1)/(x+1)/(x^2+2x-1)$  ogf]  
A182143 6.99062 [  $\{-a(n+3)+a(n+2)+3a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 5\}$ , ogf]  
A182188 4.03883 [  $\{-a(n+3)+7a(n+2)-7a(n+1)+a(n), a(0) = 1, a(1) = -1, a(2) = -11\}$ , ogf]  
A182188 7.48177 [  $-(3x^2-8x+1)/(x-1)/(x^2-6x+1)$  ogf]  
A182189 5.03827 [  $\{a(n+3)-7a(n+2)+7a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 13\}$ , ogf]  
A182189 9.33320 [  $(x^2+4x-1)/(x-1)/(x^2-6x+1)$  ogf]  
A182190 11.7166 [  $-4x/(x-1)/(x^2-6x+1)$  ogf]  
A182190 4.70757 [  $\{a(n+3)-7a(n+2)+7a(n+1)-a(n), a(0) = 0, a(1) = 4, a(2) = 28\}$ , ogf]  
A182191 11.8340 [  $-(x^2+12x-1)/(x-1)/(x^2-6x+1)$  ogf]  
A182191 6.49296 [  $\{a(n+3)-7a(n+2)+7a(n+1)-a(n), a(0) = -1, a(1) = 5, a(2) = 43\}$ , ogf]  
A182193 11.6681 [  $-(5x^2+8x-1)/(x-1)/(x^2-6x+1)$  ogf]  
A182193 6.29873 [  $\{a(n+3)-7a(n+2)+7a(n+1)-a(n), a(0) = -1, a(1) = 1, a(2) = 19\}$ , ogf]  
A182194 8.64951 [  $-(91x^{25}-91x^{24}+21x^9-21x^8+7x^4-7x^3+3x^2-2)/(x-1)^2$  ogf]  
A182202 8.79609 [  $x(2x^2+1)(4x^4-2x^2+x+1)/(x+1)/(2x-1)/(x^2+1)/(2x^2-1)$  ogf]  
A182214 11.9645 [  $-(4x^3+2x^2+2x+3)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A182215 14.0604 [  $-(5x^3+4x^2+4x+2)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A182228 22.3698 [  $-x/(3x^2-x-1)$  ogf]  
A182228 9.11362 [  $\{a(n+2)+a(n+1)-3a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A182255 11.0390 [  $-(17711x^2-32932x+15383)/(x-1)^3$  ogf]  
A182255 6.49875 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 15383, a(1) = 13217, a(2) = 11213\}$ , ogf]  
A182260 9.21516 [  $x(x^2+2x+3)/(x+1)/(x-1)^4$  ogf]  
A182268 12.3889 [  $(7x-1)(98x^2+14x+1)/(14x-1)/(14x+1)$  ogf]  
A182268 6.43735 [  $\{-a(n+4)+196a(n+2), a(0) = 1, a(1) = 7, a(2) = 196, a(3) = 686\}$ , ogf]  
A182323 12.9341 [  $(25x^2+47x+25)/(x-1)^2/(x+1)$  ogf]  
A182323 7.13605 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 25, a(1) = 72, a(2) = 122\}$ , ogf]  
A182334 5.94465 [  $x(x^9-x^8-38x^6+25x^5-15x^4+20x^3-10x^2-3x-1)/(x-1)/(x^2+x+1)/(x^6-34x^3+1)$  ogf]  
A182341 12.2577 [  $(2x^{20}+3x^{19}-5x^{18}+7)/(x-1)^2$  ogf]  
A182349 5.08599 [  $\{(n+3)a(n+3)+(-8-n)a(n+2)+(-20-2n)a(n+1), a(0) = 1, a(1) = 6, a(2) = 30\}$ , ogf]  
A182349 8.40293 [  $-1/(x+1)^4/(2x-1)^5$  ogf]  
A182386 5.35155 [  $\{(n+2)a(n+1)+(-n-2)a(n+2)-a(n+3), a(0) = 1, a(1) = 0, a(2) = 1\}$ , ogf]  
A182401 4.67289 [  $\{(-21n-42)a(n+1)+(10n+35)a(n+2)+(-n-5)a(n+3), a(0) = 1, a(1) = 5, a(2) = 26\}$ , ogf]  
A182409 10.9075 [  $(1591x^2-3182x+1583)/(x-1)^3$  ogf]  
A182409 6.31012 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = -1583, a(1) = -1567, a(2) = -1543\}$ , ogf]  
A182415 17.0002 [  $(3x^2+1)/(x-1)/(x^2+x-1)$  ogf]  
A182415 8.86179 [  $\{-a(n+3)+2a(n+2)-a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
A182428 18.5371 [  $4x(10x-9)/(x-1)^3$  ogf]  
A182428 9.67867 [  $\{-a(n+3)+3a(n+2)-3a(n+1)+a(n), a(0) = 0, a(1) = 36, a(2) = 68\}$ , ogf]  
A182432 10.7806 [  $-(x^2-5x+1)/(x-1)/(x^2-8x+1)$  ogf]  
A182432 5.81961 [  $\{-a(n+3)+9a(n+2)-9a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 28\}$ , ogf]  
A182435 12.7122 [  $x(3x-1)/(x-1)/(x^2-6x+1)$  ogf]  
A182435 6.52788 [  $\{a(n+3)-7a(n+2)+7a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]



ogf]

A182453 14.3286 [ (2\*x^3+2\*x^2-3\*x+1)/(3\*x-1)/(x-1)^3 ogf]

A182453 4.77620 [ {(12\*n^2+60\*n+72)\*a(n+1)+(-19\*n^2-80\*n-69)\*a(n+2)+(8\*n^2+38\*n+39)\*a(n+3)+(-n^2-6\*n-8)\*a(n+4), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 24}, ogf]

A182455 7.82473 [ -(3\*x^5-3\*x^4-6\*x^3+7\*x^2+2\*x+1)/(x+1)^2/(x-1)^3 ogf]

A182456 4.56092 [ {(n^2+12\*n+36)\*a(n)+(-n^2-9\*n-18)\*a(n+2)+(n+3)\*a(n+3), a(0) = 1, a(1) = 4, a(2) = 20, a(3) = 12}, ogf]

A182456 7.74914 [ -(8\*x^5-8\*x^4-14\*x^3+14\*x^2+3\*x+1)/(x+1)^2/(x-1)^3 ogf]

A182460 10.3514 [ {-a(n+2)+17\*a(n+1)-16\*a(n), a(0) = 1, a(1) = 19}, ogf]

A182460 18.7206 [ (2\*x+1)/(16\*x-1)/(x-1) ogf]

A182461 16.2666 [ -8\*(x-2)/(2\*x-1)/(x-1) ogf]

A182461 8.90790 [ {-a(n+2)+3\*a(n+1)-2\*a(n), a(0) = 16, a(1) = 40}, ogf]

A182462 16.1376 [ -10\*(x-2)/(2\*x-1)/(x-1) ogf]

A182462 9.02938 [ {-a(n+2)+3\*a(n+1)-2\*a(n), a(0) = 20, a(1) = 50}, ogf]

A182464 17.3161 [ -12\*(x-2)/(2\*x-1)/(x-1) ogf]

A182464 9.68876 [ {-a(n+2)+3\*a(n+1)-2\*a(n), a(0) = 24, a(1) = 60}, ogf]

A182465 16.4994 [ -14\*(x-2)/(2\*x-1)/(x-1) ogf]

A182465 9.23183 [ {-a(n+2)+3\*a(n+1)-2\*a(n), a(0) = 28, a(1) = 70}, ogf]

A182466 17.6083 [ -16\*(x-2)/(2\*x-1)/(x-1) ogf]

A182466 9.85229 [ {-a(n+2)+3\*a(n+1)-2\*a(n), a(0) = 32, a(1) = 80}, ogf]

A182467 16.6442 [ -18\*(x-2)/(2\*x-1)/(x-1) ogf]

A182467 9.31281 [ {-a(n+2)+3\*a(n+1)-2\*a(n), a(0) = 36, a(1) = 90}, ogf]

A182480 11.4560 [ -(8\*x^3-2\*x^2+3\*x+2)/(x-1)/(x+1)/(x^2-x+1) ogf]

A182486 3.52036 [ {(-4\*n-6)\*a(n+1)+(9\*n+15)\*a(n+2)+(-10\*n-18)\*a(n+3)+(2\*n+6)\*a(n+4), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = -1}, ogf]

A182494 9.66633 [ -(9\*x^6-9\*x^5+8\*x^4-7\*x^3+7\*x^2-8\*x+9)/(x-1)/(x^2+1)/(x^4-x^2+1) ogf]

A182495 6.37473 [ -

(6\*x^11+5\*x^10+4\*x^9+5\*x^8+7\*x^7+6\*x^6+7\*x^5+5\*x^4+5\*x^3+4\*x^2+5\*x+4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) ogf]

A182512 16.8362 [ 3\*x/(16\*x-1)/(x-1) ogf]

A182512 7.91096 [ {a(n+2)-17\*a(n+1)+16\*a(n), a(0) = 0, a(1) = 3}, ogf]

A182522 16.4063 [ (x^2-x-1)/(3\*x^2-1) ogf]

A182522 9.57032 [ {-a(n+3)+3\*a(n+1), a(0) = 1, a(1) = 1, a(2) = 2}, ogf]

A182531 4.70519 [ x\*(x^2-x-1)\*(x^3-x^2+1)/(x+1)/(x-1)^3 ogf]

A182542 4.17584 [ {(-16\*n^2-136\*n-288)\*a(n+1)+(8\*n^2+74\*n+156)\*a(n+2)+(-n^2-10\*n-21)\*a(n+3), a(0) = 1, a(1) = 8, a(2) = 46}, ogf]

A182555 5.01748 [ {(8\*n^2+8\*n)\*a(n)+(-4\*n^2+4\*n+8)\*a(n+1)+(-2\*n^2-8\*n+4)\*a(n+2)+(n^2+2\*n-3)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12, a(4) = 29}, ogf]

A182568 20.3661 [ -2\*x^5/(x^2+1)/(x+1)/(x-1)^3 ogf]

A182568 49.5436 [ [x^3+2] ogf\_with\_Euler\_transform]

A182614 6.79423 [ -(2\*x^4-2\*x^3-3\*x^2+2\*x+2)/(x-1)/(x+1)/(x^2+x-1)^2 ogf]

A182614 7.07741 [ -2\*(-3-4\*x+2\*x^7+3\*x^2+7\*x^3+4\*x^4-5\*x^5-3\*x^6)/(x-1)/(x+1)/(x^2+x-1)/(2\*x^4-2\*x^3-3\*x^2+2\*x+2) lgdogf]

A182661 3.72250 [ {(n^2+11\*n+30)\*a(n+1)+(n^2+8\*n+12)\*a(n+2)+(-n-3)\*a(n+3), a(0) = 2, a(1) = 0, a(2) = 20}, ogf]

A182661 6.66792 [ -x\*(60+165\*x^2-124\*x^3+54\*x^4-12\*x^5+x^6-120\*x)/(x-1)/(x^6-9\*x^5+30\*x^4-49\*x^3+45\*x^2-18\*x+6) lgdegf]

A182687 8.32633 [ 2\*(1+4\*x+9\*x^2)/(4\*x^2+1+2\*x+6\*x^3) lgdogf]

A182688 8.32633 [ (7+18\*x+24\*x^2)/(9\*x^2+1+7\*x+8\*x^3) lgdogf]

A182691 8.06489 [ -(4\*x^5+4\*x^4+2\*x^3+2\*x^2-4\*x-3)/(x-1)/(x+1)/(4\*x^4+4\*x^2-1) ogf]

A182712 19.5540 [ -(-x^2+2\*x)/(x-1) ogf\_with\_Euler\_transform]

A182713 16.6061 [ -(x^3-x^2-x)/(-x+1) ogf\_with\_Euler\_transform]

A182714 16.5297 [ -(x^4-x^3-x)/(-x+1) ogf\_with\_Euler\_transform]

A182751 15.8699 [ -(3\*x^2+3\*x+1)/(3\*x^2-1) ogf]

A182751 17.0147 [ -3\*(x+1)\*(3\*x+1)/(3\*x^2+3\*x+1)/(3\*x^2-1) lgdogf]

A182751 9.25743 [ {-a(n+3)+3\*a(n+1), a(0) = 1, a(1) = 3, a(2) = 6}, ogf]

A182752 10.1862 [ -2\*(3+14\*x+42\*x^2)/(6\*x+1)/(14\*x^2-1) lgdogf]

A182752 5.97948 [ {a(n+2)-14\*a(n), a(0) = 1, a(1) = 6}, ogf]

A182752 9.25395 [  $-(6*x+1)/(14*x^2-1)$  ogf]  
A182752 9.91811  $1/4*(-1+(1+24*x+56*x^2)^{(1/2)})/(3+7*x)$  revogf  
A182753 11.2593 [  $\{a(n+2)-35*a(n), a(0) = 1, a(1) = 14\}$ , ogf]  
A182753 17.2817 [  $-(14*x+1)/(35*x^2-1)$  ogf]  
A182753 6.20179  $1/14*(-1+(1+56*x+140*x^2)^{(1/2)})/(2+5*x)$  revogf  
A182753 6.52820  $-14*(1+5*x+35*x^2)/(14*x+1)/(35*x^2-1)$  lgdogf  
A182754 10.8865 [  $\{a(n+2)-77*a(n), a(0) = 1, a(1) = 21\}$ , ogf]  
A182754 16.7095 [  $-(21*x+1)/(77*x^2-1)$  ogf]  
A182754 17.2275  $1/14*(-1+(1+84*x+308*x^2)^{(1/2)})/(3+11*x)$  revogf  
A182754 18.1110  $-7*(3+22*x+231*x^2)/(21*x+1)/(77*x^2-1)$  lgdogf  
A182755 11.3016 [  $\{a(n+2)-90*a(n), a(0) = 1, a(1) = 35\}$ , ogf]  
A182755 17.3467 [  $-(35*x+1)/(90*x^2-1)$  ogf]  
A182758 4.60679 [  $-(6*x^{24}+3*x^{23}+17*x^{22}+15*x^{20}-45*x^{19}+10*x^{16}+15*x^{15}-25*x^{14}+13*x^{12}+x^{11}-16*x^{10}+5*x^9-7*x^7+x^5-x^3-1)/(x-1)^2$  ogf]  
A182780 15.7241 [  $-2*(x^2+x-1)/(x-1)/(x^2+2*x-1)$  ogf]  
A182780 8.56402 [  $\{-a(n+3)+3*a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 4, a(2) = 8\}$ , ogf]  
A182788 12.6733  $-4*(8+71*x+27*x^3+104*x^2)/(x-1)/(27*x^3+67*x^2+25*x+1)$  lgdogf  
A182788 3.62901 [  $\{(-119*n^2-271*n-66)*a(n+1)+(160*n^2-208*n+1008)*a(n+2)+(-41*n^2+11*n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$ , ogf]  
A182788 5.88570 [  $-6*x^3*(27*x^3+67*x^2+25*x+1)/(x-1)^7$  ogf]  
A182789 3.36167 [  $-6*x^3*(3267*x^7+51359*x^6+195679*x^5+241075*x^4+100425*x^3+12653*x^2+341*x+1)/(x-1)^{11}$  ogf]  
A182789 5.81678  $(88+1559*x+2154*x^4+5103*x^3+4957*x^2+34*x^6+x^7+408*x^5)/(736*x^2+1+87*x+924*x^4+1407*x^3+27*x^6+246*x^5+x^7)$  lgdegf  
A182818 17.8038 [  $-(2*x+3)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A182819 14.0213 [  $-(-3*x^2-4*x-4)/(-x^3+1)$  ogf\_with\_Euler\_transform]  
A182820 16.4792 [  $-(4*x+7)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A182827 21.4533  $-1/8*\exp(-2*x)+3/8*\exp(2*x)-1/4$  revegf  
A182827 30.2296  $-(4*x+1)/(4*x^2+1+2*x)$  lgdegf  
A182827 4.43118 [  $\{(4*n^2+16*n+16)*a(n+1)+(2*n+5)*a(n+2)+a(n+3), a(0) = 1, a(1) = -1, a(2) = -1\}$ , ogf]  
A182866 10.6727  $-3*(135+584*x+72*x^3+x^4+468*x^2)/(x-1)/(x^4+53*x^3+249*x^2+209*x+28)$  lgdogf  
A182866 6.01946 [  $-2*x*(x^4+53*x^3+249*x^2+209*x+28)/(x-1)^7$  ogf]  
A182868 14.7502 [  $-(2*x^2+7*x-1)/(x-1)^3$  ogf]  
A182868 26.1185  $-2*(2+9*x+x^2)/(x-1)/(2*x^2+7*x-1)$  lgdogf  
A182868 7.96252 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = -1, a(1) = 4, a(2) = 17\}$ , ogf]  
A182879 9.73787  $-(3+7*x+3*x^6-11*x^5+10*x^4-x^3+4*x^2)/(x^2-3*x+1)/(x^3-2*x^2-1)/(x^2+x+1)$  lgdogf  
A182881 15.5836  $-3*(-1-x+2*x^3-3*x^2)/(x^2+x+1)/(x^2-3*x+1)$  lgdogf  
A182883 19.4672  $-2*x*(-1+x^2-3*x)/(1-2*x^2-4*x^3+x^4)$  lgdogf  
A182884 10.8385  $-2*(x-1)*(2*x^4+2*x^3-5*x^2-x-1)/(x^2+x+1)/(x^2-3*x+1)/(x^2+x-1)$  lgdogf  
A182887 9.38354  $-(3-x-10*x^4+3*x^6+5*x^5+8*x^2-5*x^3)/(x+1)/(x^2+x+1)/(x^2-3*x+1)/(x^2+x-1)$  lgdogf  
A182890 14.7726 [  $x/(x^2+x+1)/(x^2-3*x+1)$  ogf]  
A182890 17.9686  $-2*(-1-x+2*x^3-3*x^2)/(x^2+x+1)/(x^2-3*x+1)$  lgdogf  
A182895 10.6199 [  $x*(x+1)/(x^2+x+1)/(x^2-3*x+1)$  ogf]  
A182895 13.8815  $-(-3-2*x+3*x^4-7*x^2)/(x+1)/(x^2+x+1)/(x^2-3*x+1)$  lgdogf  
A182904 13.6039  $-(-1-x+3*x^5-2*x^3-5*x^4)/(-x^2+1-2*x-2*x^5-x^4+x^6)$  lgdogf  
A182909 4.82201 [  $-(8*x^{20}-4*x^{19}+3*x^{18}-6*x^{16}+13*x^{15}-6*x^{14}-7*x^{13}-x^{12}+8*x^{11}-4*x^{10}-x^9+x^8-2*x^7-2*x^6+3*x^5-x^4-2*x^3+2*x^2-3)/(x-1)^2$  ogf]  
A182943 7.42055 [  $-(9*x^{13}-5*x^{12}+3*x^{11}+x^{10}+6*x^9-5*x^8-9*x^7+8*x^6-x^5-x^4-6*x^3+5*x^2-2*x-4)/(x-1)^2$  ogf]  
A182959 8.77004  $1/2*(4*I*x+I-(8*x-1)^{(1/2)}+2*x*(8*x-1)^{(1/2)})/(x+1)/(8*x-1)^{(1/2)}/x$  lgdogf  
A182990 13.4772  $-299792458/(-1+299792458*x)$  lgdogf

A182990 21.4050  $x/(1+299792458*x)$  revogf  
A183010 17.9497  $[(25*x-1)/(x-1)^2$  ogf]  
A183010 21.9970  $-1/2*(-23-2*x+(529+96*x)^(1/2))/(x-1)$  revogf  
A183010 40.6944  $-(47+x)/(x+23)/(x-1)$  lgdogf  
A183010 9.94800  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = -1, a(1) = 23}]$ , ogf]  
A183035 8.60411  $-2*x*(-1+5*x^2-12*x^6-x^8+17*x^10-48*x^30-x^32+53*x^34-60*x^38-x^40+65*x^42)/(x-1)/(x+1)/(x^2+1)/(1+x^8)/(1+x^32)$  lgdogf  
A183041 9.02007  $[(2*x^5-2*x^4+x^3-x^2-x+3)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A183041 9.61471  $-2*(1+3*x^3+2*x^4-x^5+x^6+2*x^2)/(x-1)/(x+1)/(1+x^2)/(2*x^5-2*x^4+x^3-x^2-x+3)$  lgdogf  
A183042 5.96583  $[2*x*(x^13-x^9-3*x^7-x^6-4*x^2-3*x-3)/(x^2+1)/(x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A183044 4.26528  $[x*(2*x^10+2*x^9-2*x^8-4*x^7-5*x^6-x^5+x^4-2*x^3-5*x^2-7*x-5)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A183046 5.43602  $[x*(4*x^8+2*x^7-8*x^6-7*x^5+5*x^3-3*x^2-12*x-7)/(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A183047 4.43366  $[-4*x*(2*x^8+2*x^7-4*x^6-5*x^5-2*x^4-x^3-5*x^2-8*x-5)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A183048 4.67237  $[4*x*(2*x^8+2*x^7-4*x^6-5*x^5-2*x^4-x^3-5*x^2-8*x-5)/(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A183050 4.06217  $[x*(2*x^12-2*x^11+2*x^10-4*x^9+2*x^8-x^7-x^6-4*x^4-4*x^2-x-3)/(x^2+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A183066 14.4231  $-2*(-13-45*x+x^3-3*x^2)/(x-1)/(x^3-3*x^2-21*x-1)$  lgdogf  
A183066 3.73701  $[{(7*n^2+53*n+96)*a(n+1)+(-38*n^2-310*n-624)*a(n+2)+(31*n^2+161*n+204)*a(n+3), a(0) = 1, a(1) = 26, a(2) = 123}]$ , ogf]  
A183066 8.02608  $[(x^3-3*x^2-21*x-1)/(x-1)^5$  ogf]  
A183111 10.3787  $[-x*(4*x^3+x^2-1)/(3*x-1)/(2*x^3+x^2-1)$  ogf]  
A183111 5.46223  $-(3+24*x^6+12*x^5+5*x^4-12*x^2)/(-1+3*x)/(2*x^3+x^2-1)/(4*x^3+x^2-1)$  lgdogf  
A183112 4.81110  $[x*(4*x^3+x^2-1)/(3*x-1)/(x-1)/(2*x^3+x^2-1)$  ogf]  
A183113 10.2864  $[-x*(2*x-1)*(x+1)^2/(3*x-1)/(2*x^3+x^2-1)$  ogf]  
A183113 10.2890  $-(3-7*x+12*x^5+24*x^4-19*x^3+7*x^2)/(-1+3*x)/(2*x-1)/(x+1)/(2*x^3+x^2-1)$  lgdogf  
A183113 4.63523  $[{-a(n+5)+3*a(n+4)+a(n+3)-a(n+2)-6*a(n+1), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 7, a(4) = 21}]$ , ogf]  
A183114 4.73593  $[x*(2*x-1)*(x+1)^2/(3*x-1)/(x-1)/(2*x^3+x^2-1)$  ogf]  
A183115 5.08810  $[-x*(4*x^3+3*x^2-1)/(3*x-1)/(2*x^3+x^2-1)$  ogf]  
A183116 4.73593  $[x*(4*x^3+3*x^2-1)/(3*x-1)/(x-1)/(2*x^3+x^2-1)$  ogf]  
A183117 4.54799  $[-x*(x+1)*(2*x^3+2*x^2+x-1)/(3*x-1)/(2*x^3+x^2-1)$  ogf]  
A183118 4.31022  $[x*(x+1)*(2*x^3+2*x^2+x-1)/(3*x-1)/(x-1)/(2*x^3+x^2-1)$  ogf]  
A183119 5.90169  $[x*(3*x^2-1)/(x+1)/(3*x-1)/(x-1)^2$  ogf]  
A183119 6.24127  $-2*(2-3*x+9*x^4+3*x^3-3*x^2)/(-1+x)/(-1+3*x)/(x+1)/(3*x^2-1)$  lgdogf  
A183120 7.44888  $(-3+7*x-20*x^6-33*x^5+12*x^7+21*x^4-18*x^3+2*x^2)/(-1+x)/(-1+3*x)/(x+1)/(4*x^5-2*x^4-x^3+3*x^2+x-1)$  lgdogf  
A183120 7.70661  $[x*(4*x^5-2*x^4-x^3+3*x^2+x-1)/(x+1)/(3*x-1)/(x-1)^2$  ogf]  
A183121 3.65343  $[-x*(4*x^5-2*x^4-x^3+3*x^2+x-1)/(3*x-1)/(x+1)/(x-1)^3$  ogf]  
A183122 9.18732  $[-x*(4*x^5+2*x^4+2*x^3+3*x^2-1)/(x-1)/(3*x-1)/(x+1)$  ogf]  
A183123 8.55067  $[x*(4*x^5+2*x^4+2*x^3+3*x^2-1)/(x+1)/(3*x-1)/(x-1)^2$  ogf]  
A183124 3.79780  $[x*(4*x^7+2*x^5-x^3+3*x^2+x-1)/(x+1)/(3*x-1)/(x-1)^2$  ogf]  
A183125 3.65343  $[-x*(4*x^7+2*x^5-x^3+3*x^2+x-1)/(3*x-1)/(x+1)/(x-1)^3$  ogf]  
A183139 4.39799  $[-x*(x+1)*(x^14+x^12-x^11+2*x^10-x^9+x^8+x^6+x^3+1)/(x^16+x^15+x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A183140 6.71043  $[-x^3*(x^14+x^10+x^7+x^3+1)/(x^16+x^15+x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A183155 10.4824  $[-(4*x^2-3*x+1)/(2*x-1)/(x-1)^2$  ogf]  
A183155 13.0379  $-(-1+x+8*x^3-4*x^2)/(x-1)/(-1+2*x)/(4*x^2-3*x+1)$  lgdogf  
A183155 5.70916  $[{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 1, a(2) = 3}]$ , ogf]

A183156 11.6530  $-2*(1-x+2*x^4-8*x^3+3*x^2)/(x-1)/(-1+2*x)/(2*x^3-6*x^2+3*x-1)$   
lgdogf  
A183156 4.07063  $[ \{ (-2*n^2-12*n-16)*a(n+1)+(3*n^2+14*n+14)*a(n+2)+(-n^2-4*n-3)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 7 \}, ogf]$   
A183156 9.41003  $[ -(2*x^3-6*x^2+3*x-1)/(2*x-1)/(x-1)^3 ogf]$   
A183159 7.07898  $[ -(3*x^4-10*x^3+2*x-1)/(2*x-1)/(2*x+1)/(x-1)^3 ogf]$   
A183159 7.08699  $-(1+4*x+20*x^3-37*x^4-56*x^5+12*x^6+2*x^2)/(x-1)/(2*x+1)/(-1+2*x)/(3*x^4-10*x^3+2*x-1)$  lgdogf  
A183188 16.8832  $[ (x-1)/(x^3+3*x-1) ogf]$   
A183188 21.3261  $-(2+2*x^3-3*x^2)/(x-1)/(x^3+3*x-1)$  lgdogf  
A183188 8.08236  $[ \{-a(n+3)+3*a(n+2)+a(n), a(0) = 1, a(1) = 2, a(2) = 6 \}, ogf]$   
A183199 13.5317  $[ -(2*x^2-3*x+3)/(x-1)^3 ogf]$   
A183199 25.3059  $-2*(3-x+x^2)/(x-1)/(2*x^2-3*x+3)$  lgdogf  
A183199 7.30474  $[ \{ a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 6, a(2) = 11 \}, ogf]$   
A183207 12.6184  $-2*(1+8*x+8*x^3+x^4+6*x^2)/(x-1)/(x+1)/(x^3+5*x^2+x+1)$  lgdogf  
A183207 8.19552  $[ -(x^3+5*x^2+x+1)/(x+1)^2/(x-1)^3 ogf]$   
A183223 5.69866  $[ -(x^46-2*x^45-x^36-2*x^28+2*x^27-2*x^19+3*x^18-2*x^10+3*x^9-x+2)/(x^45+x^36-x^18-x^9-1)/(x-1)^2 ogf]$   
A183245 11.7581  $[ (17*x^2-34*x+9)/(4*x-1)/(3*x-1) ogf]$   
A183245 12.9182  $(29-182*x+289*x^2)/(4*x-1)/(3*x-1)/(17*x^2-34*x+9)$  lgdogf  
A183245 6.21182  $[ \{ a(n+3)-7*a(n+2)+12*a(n+1), a(0) = 9, a(1) = 29, a(2) = 112 \}, ogf]$   
A183246 4.54622  $[ \{ a(n+4)-10*a(n+3)+24*a(n+2), a(0) = 44, a(1) = 206, a(2) = 1168, a(3) = 6984 \}, ogf]$   
A183246 6.87036  $(103-892*x+2360*x^2-2480*x^3+2976*x^4)/(6*x-1)/(-1+4*x)/(124*x^3+82*x^2-117*x+22)$  lgdogf  
A183246 8.11824  $[ 2*(124*x^3+82*x^2-117*x+22)/(6*x-1)/(4*x-1) ogf]$   
A183247 4.95174  $[ (100844*x^5+29191*x^4+7150*x^3-17394*x^2+4122*x-265)/(9*x-1)/(8*x-1)/(5*x-1) ogf]$   
A183264 3.20042  $[ x*(2*x+1)*(x-2)/(2*x-1)^3 ogf]$   
A183264 5.34484  $-(15-8*x+4*x^2)/(x-2)/(2*x+1)/(2*x-1)$  lgdogf  
A183275 3.34295  $[ (6*x^12-10*x^11-4*x^10+64*x^9-118*x^8+127*x^7-50*x^6+31*x^5-23*x^4+11*x^3-14*x^2+5*x-1)/(2*x-1)^2/(x-1)^5 ogf]$   
A183276 3.96807  $[ -(x^9-x^8+3*x^7-4*x^6-5*x^5-x^4+2*x^3+3*x^2+3*x+1)/(x^2+x-1)/(x^4+4*x^2-1)/(x^4-x^2-1) ogf]$   
A183304 13.1556  $[ -(x+1)^2/(x^3+2*x-1) ogf]$   
A183304 18.9900  $-(4-2*x+3*x^2+x^3)/(x+1)/(x^3+2*x-1)$  lgdogf  
A183304 7.41751  $[ \{ a(n+3)-2*a(n+2)-a(n), a(0) = 1, a(1) = 4, a(2) = 9 \}, ogf]$   
A183314 8.92262  $[ -(x^3+2*x^2-3*x-3)/(x^4+x^3-3*x^2-x+1) ogf]$   
A183314 9.10051  $-(x+1)*(x^5+3*x^4-7*x^3-9*x^2+8*x+6)/(x^3+2*x^2-3*x-3)/(x^4+x^3-3*x^2-x+1)$  lgdogf  
A183315 4.63148  $[ -(x^7-13*x^5-10*x^4+21*x^3+15*x^2-8*x-5)/(x^8-x^7-13*x^6-x^5+21*x^4+3*x^3-9*x^2-x+1) ogf]$   
A183324 9.26348  $[ -(x^3-x^2-x-1)/(x^4-2*x^3+x^2-2*x+1) ogf]$   
A183324 9.99003  $-(x+1)*(x^5-3*x^4+x^3+3*x^2-3*x+3)/(x^3-x^2-x-1)/(x^4-2*x^3+x^2-2*x+1)$  lgdogf  
A183325 5.83847  $[ -(3*x^5+2*x^4-2*x^3-x^2+x-1)*(x+1)^2/(3*x^8+5*x^7-2*x^5-2*x^3+2*x^2-3*x+1) ogf]$   
A183330 8.50300  $-(7+6*x+12*x^3-13*x^4-2*x^5+2*x^6+8*x^2)/(2*x^3-x^2-6*x-1)/(x^4-x^3-2*x^2-x+1)$  lgdogf  
A183330 8.79012  $[ -(2*x^3-x^2-6*x-1)/(x^4-x^3-2*x^2-x+1) ogf]$   
A183331 4.89940  $[ -2*(2*x^7+4*x^6-3*x^4+x^3-2*x^2-3*x-1)/(x^9+3*x^8+x^7-3*x^6-x^5-3*x^3-x^2-2*x+1) ogf]$   
A183336 8.84412  $[ -(x^2-x-1)*(x+1)^2/(x^5-2*x^3-x^2-x+1) ogf]$   
A183336 9.58135  $-(4+2*x+8*x^3-5*x^4-5*x^5+x^6+x^7+2*x^2)/(x+1)/(-1-x+x^2)/(x^5-2*x^3-x^2-x+1)$  lgdogf  
A183337 5.39274  $[ -(x^7+2*x^6+x^5-x^4-2*x^3-6*x^2-5*x-1)/(x^8+x^7-x^5-2*x^4-5*x^3-x^2-x+1) ogf]$   
A183344 11.8652  $[ -(x^2+6*x+1)/(x^3+x^2+x-1) ogf]$

A183344 13.9175  $-(x+1)*(x^3+11*x^2-3*x+7)/(x^2+6*x+1)/(x^3+x^2+x-1)$  lgdogf  
A183344 6.46230  $[ \{a(n+3)-a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 7, a(2) = 9\}, \text{ogf} ]$   
A183345 6.49037  $[ -(x^5+5*x^4+3*x^3-6*x^2-8*x-1)/(x^3-x^2-1)/(x^3+2*x^2+x-1)$   
ogf ]  
A183346 4.83632  $[ -(x^7+9*x^6+10*x^5-3*x^4-17*x^3-7*x^2-16*x-1)/$   
 $(x^8+2*x^7+x^6-3*x^5-4*x^4-4*x^3-x^2-x+1)$  ogf ]  
A183353 2.82727  $[ (256*x^4-272*x^3-144*x^2-28*x-1)/(4*x+1)/(4*x-1)^3$  ogf ]  
A183354 17.3277  $[ -4*(5*x+1)/(4*x-1)$  ogf ]  
A183354 18.4546  $-1/10-1/10*x+1/10*(1+7*x+x^2)^{(1/2)}$  revogf  
A183354 35.8839  $-9/(5*x+1)/(4*x-1)$  lgdogf  
A183354 9.01990  $[ \{a(n+2)-4*a(n+1), a(0) = 4, a(1) = 36\}, \text{ogf} ]$   
A183355 16.7642  $[ -12*(9*x+1)/(3*x-1)$  ogf ]  
A183355 17.7799  $-1/18-1/72*x+1/72*(16+56*x+x^2)^{(1/2)}$  revogf  
A183355 34.6240  $-12/(9*x+1)/(3*x-1)$  lgdogf  
A183355 8.94092  $[ \{a(n+2)-3*a(n+1), a(0) = 12, a(1) = 144\}, \text{ogf} ]$   
A183356 4.68818  $[ \{a(n+4)-2*a(n+3)-2*a(n+2)+a(n+1), a(0) = 36, a(1) = 576, a(2) =$   
 $1296, a(3) = 3600\}, \text{ogf} ]$   
A183356 8.81379  $[ -36*(3*x^3-2*x^2-14*x-1)/(x+1)/(x^2-3*x+1)$  ogf ]  
A183356 9.97419  $-4*(4+2*x+3*x^2-4*x^3+x^4)/(x+1)/(x^2-3*x+1)/$   
 $(3*x^3-2*x^2-14*x-1)$  lgdogf  
A183357 5.67239  $[ 36*(12*x^6+24*x^5-29*x^4-34*x^3+20*x^2-58*x-3)/(x^2+1)/$   
 $(x^2+2*x-1)$  ogf ]  
A183364 6.16784  $[ -(x+1)*(x^8-2*x^5-4*x^4-2*x^3+2*x^2-3*x+2)/$   
 $(x^{10}-3*x^7-4*x^6+x^3+2*x-1)$  ogf ]  
A183382 3.79859  $[ -(x^8+x^7+3*x^6-x^5-x^3-x^2-x+1)*(2*x^2-2*x-1)/$   
 $(2*x^{11}+4*x^{10}-5*x^9-4*x^8-6*x^7+2*x^6-3*x^5+13*x^4-6*x^3+4*x^2-4*x+1)$  ogf ]  
A183388 4.69852  $[ 2*(2*x^8-2*x^7-4*x^6-4*x^5-3*x^4+x^3+3*x^2+x-1)/(2*x^8-x^7-$   
 $x^6-3*x^5-4*x^4-x^3+2*x^2+2*x-1)$  ogf ]  
A183389 3.50199  $[ (3*x^{11}+3*x^{10}-31*x^9+6*x^8+31*x^7-5*x^6+21*x^5+35*x^4-$   
 $x^3-18*x^2-3*x+3)/(x^{11}+2*x^{10}-10*x^9+8*x^7-4*x^6+3*x^5+11*x^4+4*x^3-5*x^2-2*x$   
 $+1)$  ogf ]  
A183393 4.25150  $[ 2*(4*x^{10}-8*x^9+x^8-19*x^7-13*x^6+14*x^5+20*x^4+2*x^3+5*x^2-$   
 $x-1)/(x-1)/(x+1)/(x^2-3*x+1)/(x^4+3*x^2+1)$  ogf ]  
A183399 4.34030  $[ 2*(16*x^9-40*x^8+90*x^6-76*x^5-32*x^4+47*x^3-2*x^2-9*x+2)/$   
 $(2*x^3-5*x^2+5*x-1)/(4*x^6-10*x^4+5*x^2-1)$  ogf ]  
A183409 6.63166  $[ -(x^6-x^5-3*x^4+2*x^3+3*x^2-3*x-2)/(x+1)^3/(x-1)^4$  ogf ]  
A183409 9.91939  $-(5-11*x+5*x^3-4*x^5-x^6+x^7-9*x^2)/(x-1)/(x+1)/(x^6-$   
 $x^5-3*x^4+2*x^3+3*x^2-3*x-2)$  lgdogf  
A183425 7.68645  $-(9-8*x+32*x^5+32*x^4-38*x^3+19*x^2+8*x^6)/(x-1)/(4*x-1)/(x^2+x$   
 $+1)/(2*x^3+4*x^2+3*x-3)$  lgdogf  
A183425 9.76445  $[ -(2*x^3+4*x^2+3*x-3)/(4*x-1)/(x-1)/(x^2+x+1)$  ogf ]  
A183426 5.82999  $[ -(32*x^6+112*x^4+14*x^3+40*x-9)/(8*x-1)/(2*x-1)/(x+1)/(x^2-x$   
 $+1)/(4*x^2+2*x+1)$  ogf ]  
A183430 5.22318  $[ \{a(n+3)-9*a(n+2)-a(n+1)+9*a(n), a(0) = 4, a(1) = 27, a(2) =$   
 $244\}, \text{ogf} ]$   
A183430 9.05982  $-(27+2*x+162*x^3+27*x^4-90*x^2)/(x-1)/(9*x-1)/(x+1)/$   
 $(3*x^2+9*x-4)$  lgdogf  
A183430 9.84698  $[ -(3*x^2+9*x-4)/(x-1)/(9*x-1)/(x+1)$  ogf ]  
A183435 11.8475  $-(7+12*x+25*x^2+40*x^3+16*x^4)/(4*x^2+5*x+2)/(4*x^3+x^2+x-1)$   
lgdogf  
A183435 11.8763  $[ -(4*x^2+5*x+2)/(4*x^3+x^2+x-1)$  ogf ]  
A183435 6.41112  $[ \{a(n+3)-a(n+2)-a(n+1)-4*a(n), a(0) = 2, a(1) = 7, a(2) = 13\},$   
ogf ]  
A183436 6.13115  $[ -(2*x^5+4*x^4+3*x^3-7*x^2-10*x-3)/$   
 $(2*x^6+2*x^5+x^4-8*x^3-3*x^2-x+1)$  ogf ]  
A183437 3.72461  $[ -(7*x^8-11*x^7-46*x^6-80*x^5-63*x^4+37*x^2+24*x+4)/$   
 $(7*x^9-18*x^8-28*x^7-52*x^6-12*x^5+15*x^4+26*x^3+6*x^2+x-1)$  ogf ]  
A183444 5.90442  $-(9-35*x^6+46*x^5+104*x^3-144*x^4+16*x^8+4*x^7+4*x^{10})/$   
 $(2*x^6-2*x^5+7*x^4-8*x^3+x^2-2*x+1)/(2*x^5+5*x^3-x^2-7*x-1)$  lgdogf  
A183444 6.79637  $[ -(2*x^5+5*x^3-x^2-7*x-1)/(2*x^6-2*x^5+7*x^4-8*x^3+x^2-2*x+1)$   
ogf ]

A183445 4.42767 [  $-(x+1)*(x^7-x^6-3x^5-7x^4+17x^3+19x^2-9x-1)/(x^9-x^8-3x^7-7x^6+16x^5+18x^4-5x^3-x^2-3x+1)$  ogf]  
A183467 6.18855  $-(3+6x^2-8x^3-10x^4-8x^5-4x^6+16x^7+16x^8+16x^9+8x^{10})/(2x^3-1)/(2x^3+2x-1)/(2x^5+2x^4+2x^3-x-1)$  lgdogf  
A183467 8.23998 [  $-2*(2x^5+2x^4+2x^3-x-1)/(2x^3-1)/(2x^3+2x-1)$  ogf]  
A183476 6.45240 [  $-3*(12x^5+12x^4+6x^3+2x^2-2x-1)/(6x^3-1)/(6x^3+3x-1)$  ogf]  
A183485 5.97403 [  $-4*(36x^5+36x^4+12x^3+6x^2-3x-1)/(12x^3+4x-1)/(12x^3-1)$  ogf]  
A183494 10.7936 [  $-(x+1)*(2x^2-1)/(2x-1)/(2x^3-1)$  ogf]  
A183494 9.74361  $-(3-4x-4x^3-16x^4+16x^5+8x^6+4x^2)/(-1+2x)/(x+1)/(2x^2-1)/(2x^3-1)$  lgdogf  
A183495 4.34675 [  $-(128x^8+256x^7-96x^6-48x^5+28x^4-4x^3-12x^2-3x+3)/(2x+1)/(2x-1)/(4x-1)/(2x^3-1)/(4x^3+1)$  ogf]  
A183503 8.83117  $-(4-6x+54x^5+27x^6-12x^3-36x^4+9x^2)/(3x-1)/(x+1)/(3x^2-1)/(3x^3-1)$  lgdogf  
A183503 9.91596 [  $-3*(x+1)*(3x^2-1)/(3x^3-1)/(3x-1)$  ogf]  
A183506 3.49766 [  $-3*(471033469863x^5+90171081225x^4-1113223225x^3-900855)/(81x-1)/(17445684069x^5-33365)$  ogf]  
A183510 6.35091 [  $-(6x^6+9x^5-x^4+2x^3-x^2-2)/(x+1)/(6x^6-5x^5+4x^4-2x^3+2x^2-3x+1)$  ogf]  
A183547 3.60317 [  $-(10x^9+9x^8+13x^7+17x^6-32x^5+10x^4-23x^3+5x^2+3)/(2x^{10}+7x^9+4x^8+8x^7-13x^6-9x^4+4x^3-3x^2+5x-1)$  ogf]  
A183557 3.53811 [  $x*(x^6+5x^4+2x^3+x^2+2x+1)/(x-1)/(x^2+1)/(x^4+4x^2-1)$  ogf]  
A183575 20.2682 [  $2*(x^2-x-1)/(x+1)/(x-1)^3$  ogf]  
A183575 29.0339  $-(3-4x+2x^3-x^2)/(x-1)/(x+1)/(-1-x+x^2)$  lgdogf  
A183586 12.0642 [  $-2*(4x+3)/(12x^2+8x-1)$  ogf]  
A183586 12.0753  $1/4*(-3-4x+(9+14x)*(2x+1))^{1/2}/(2+3x)$  revogf  
A183586 13.2534  $-4*(7+18x+12x^2)/(4x+3)/(12x^2+8x-1)$  lgdogf  
A183586 6.60656 [  $\{a(n+2)-8a(n+1)-12a(n), a(0) = 6, a(1) = 56\}$ , ogf]  
A183587 5.80727 [  $-(512x^3-772x^2-101x+56)/(192x^4-296x^3-30x^2+24x-1)$  ogf]  
A183596 6.22626  $-(68-102x+152x^3+369x^4-96x^5+6x^6-219x^2)/(3x^3-24x^2-4x+9)/(2x^4-16x^3-3x^2+8x-1)$  lgdogf  
A183596 7.52468 [  $-3*(3x^3-24x^2-4x+9)/(2x^4-16x^3-3x^2+8x-1)$  ogf]  
A183597 3.38077 [  $-(3024x^6-5400x^5-4094x^4+5338x^3+2974x^2-39x-120)/(224x^7-400x^6-324x^5+420x^4+238x^3-20x^2-12x+1)$  ogf]  
A183611 12.7592  $2/3*3^{1/2}*exp(-1/2*x)*sin(1/2*3^{1/2}*x)$  revevgf  
A183615 11.5615 [  $-2*(8x-3)/(24x^2-12x+1)$  ogf]  
A183615 12.6370  $-1/8*(-3-6x+(9+20x+12x^2))^{1/2}/(2+3x)$  revogf  
A183615 12.9378  $-4*(7-36x+48x^2)/(8x-3)/(24x^2-12x+1)$  lgdogf  
A183615 6.52884 [  $\{a(n+2)-12a(n+1)+24a(n), a(0) = 6, a(1) = 56\}$ , ogf]  
A183616 5.91486 [  $-4*(128x^3-68x^2-57x+9)/(12x^2+5x-1)/(16x^2-16x+1)$  ogf]  
A183624 10.3499 [  $-(54x^2-69x+19)/(x-1)/(3x-1)/(2x-1)$  ogf]  
A183624 5.74997 [  $\{-a(n+3)+6a(n+2)-11a(n+1)+6a(n), a(0) = 19, a(1) = 45, a(2) = 115\}$ , ogf]  
A183624 8.79827  $-(45-310x-828x^3+324x^4+777x^2)/(x-1)/(-1+3x)/(2x-1)/(54x^2-69x+19)$  lgdogf  
A183625 10.0890 [  $-3*(54x^2-61x+15)/(x-1)/(3x-1)/(2x-1)$  ogf]  
A183625 5.77748 [  $\{-a(n+3)+6a(n+2)-11a(n+1)+6a(n), a(0) = 45, a(1) = 87, a(2) = 189\}$ , ogf]  
A183625 8.84119  $-(29-222x-732x^3+324x^4+617x^2)/(x-1)/(3x-1)/(-1+2x)/(54x^2-61x+15)$  lgdogf  
A183626 5.31455 [  $\{-a(n+3)+6a(n+2)-11a(n+1)+6a(n), a(0) = 115, a(1) = 189, a(2) = 355\}$ , ogf]  
A183626 7.46650  $-(189-1558x+2916x^4-6012x^3+4665x^2)/(x-1)/(-1+3x)/(2x-1)/(486x^2-501x+115)$  lgdogf  
A183626 9.30047 [  $-(486x^2-501x+115)/(x-1)/(3x-1)/(2x-1)$  ogf]  
A183627 5.34126 [  $\{-a(n+3)+6a(n+2)-11a(n+1)+6a(n), a(0) = 309, a(1) = 447, a(2) = 741\}$ , ogf]  
A183627 7.50479  $-(149-1294x+2916x^4-5628x^3+4097x^2)/(x-1)/(-1+3x)/(2x-1)/$

(486\*x^2-469\*x+103) lgdogf  
 A183627 9.08014 [ -3\*(486\*x^2-469\*x+103)/(x-1)/(3\*x-1)/(2\*x-1) ogf]  
 A183628 5.35803 [ {-a(n+3)+6\*a(n+2)-11\*a(n+1)+6\*a(n), a(0) = 859, a(1) = 1125, a(2) = 1675}, ogf]  
 A183628 7.14169 -(1125-10150\*x+33537\*x^2-48348\*x^3+26244\*x^4)/(x-1)/(3\*x-1)/(2\*x-1)/(4374\*x^2-4029\*x+859) lgdogf  
 A183628 9.26174 [ -(4374\*x^2-4029\*x+859)/(x-1)/(3\*x-1)/(2\*x-1) ogf]  
 A183629 4.98594 [ {-a(n+3)+6\*a(n+2)-11\*a(n+1)+6\*a(n), a(0) = 2445, a(1) = 2967, a(2) = 4029}, ogf]  
 A183629 6.76981 -(989-9182\*x+31337\*x^2-46812\*x^3+26244\*x^4)/(x-1)/(-1+3\*x)/(2\*x-1)/(4374\*x^2-3901\*x+815) lgdogf  
 A183629 8.33267 [ -3\*(4374\*x^2-3901\*x+815)/(x-1)/(3\*x-1)/(2\*x-1) ogf]  
 A183630 5.02189 [ {-a(n+3)+6\*a(n+2)-11\*a(n+1)+6\*a(n), a(0) = 7075, a(1) = 8109, a(2) = 10195}, ogf]  
 A183630 6.30364 -(8109-76918\*x+268905\*x^2-412092\*x^3+236196\*x^4)/(x-1)/(3\*x-1)/(-1+2\*x)/(39366\*x^2-34341\*x+7075) lgdogf  
 A183630 8.46153 [ -(39366\*x^2-34341\*x+7075)/(x-1)/(3\*x-1)/(2\*x-1) ogf]  
 A183631 5.06695 [ {-a(n+3)+6\*a(n+2)-11\*a(n+1)+6\*a(n), a(0) = 20709, a(1) = 22767, a(2) = 26901}, ogf]  
 A183631 6.53502 -(7589-73134\*x+260177\*x^2-405948\*x^3+236196\*x^4)/(x-1)/(3\*x-1)/(2\*x-1)/(39366\*x^2-33829\*x+6903) lgdogf  
 A183631 8.33380 [ -3\*(39366\*x^2-33829\*x+6903)/(x-1)/(3\*x-1)/(2\*x-1) ogf]  
 A183634 7.16559 [ -4\*(96\*x^3-158\*x^2+76\*x-11)/(x-1)/(3\*x-1)/(2\*x-1)/(4\*x-1) ogf]  
 A183635 5.24698 -(85-1224\*x+9216\*x^6-27744\*x^5+7093\*x^2-21084\*x^3+33820\*x^4)/(x-1)/(-1+3\*x)/(2\*x-1)/(-1+4\*x)/(384\*x^3-578\*x^2+255\*x-34) lgdogf  
 A183635 6.92124 [ -4\*(384\*x^3-578\*x^2+255\*x-34)/(x-1)/(3\*x-1)/(2\*x-1)/(4\*x-1) ogf]  
 A183636 6.98843 [ -4\*(1536\*x^3-2150\*x^2+892\*x-113)/(x-1)/(3\*x-1)/(2\*x-1)/(4\*x-1) ogf]  
 A183637 6.27932 [ -4\*(6144\*x^3-8114\*x^2+3219\*x-394)/(x-1)/(3\*x-1)/(2\*x-1)/(4\*x-1) ogf]  
 A183638 6.30875 [ -4\*(24576\*x^3-30998\*x^2+11896\*x-1421)/(x-1)/(3\*x-1)/(2\*x-1)/(4\*x-1) ogf]  
 A183639 6.33260 [ -4\*(98304\*x^3-119618\*x^2+44775\*x-5254)/(x-1)/(3\*x-1)/(2\*x-1)/(4\*x-1) ogf]  
 A183640 5.84461 [ -4\*(393216\*x^3-465350\*x^2+170932\*x-19793)/(x-1)/(3\*x-1)/(2\*x-1)/(4\*x-1) ogf]  
 A183644 5.19613 [ -(3000\*x^4-5770\*x^3+3683\*x^2-950\*x+85)/(x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
 A183645 5.07751 [ -(15000\*x^4-26930\*x^3+16055\*x^2-3874\*x+325)/(x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
 A183646 5.12493 [ -(75000\*x^4-126970\*x^3+71843\*x^2-16550\*x+1333)/(x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
 A183647 4.64407 [ -5\*(75000\*x^4-120826\*x^3+65635\*x^2-14618\*x+1145)/(x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
 A183648 4.60069 [ -(1875000\*x^4-2897770\*x^3+1524203\*x^2-330950\*x+25405)/(x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
 A183649 3.80645 [ -(9375000\*x^4-13997330\*x^3+7175735\*x^2-1527874\*x+115525)/(x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
 A183654 4.05633 [ -2\*(12960\*x^5-27792\*x^4+21234\*x^3-7409\*x^2+1200\*x-73)/(x-1)/(6\*x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
 A183655 4.02607 [ -6\*(25920\*x^5-52584\*x^4+37994\*x^3-12543\*x^2+1924\*x-111)/(x-1)/(6\*x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
 A183656 3.63689 [ -2\*(466560\*x^5-901512\*x^4+622938\*x^3-197411\*x^2+29172\*x-1627)/(x-1)/(6\*x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
 A183657 3.66854 [ -6\*(933120\*x^5-1728024\*x^4+1151450\*x^3-353635\*x^2+50860\*x-2771)/(x-1)/(6\*x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
 A183658 3.31131 [ -2\*(16796160\*x^5-29979432\*x^4+19388154\*x^3-5809499\*x^2+818580\*x-43843)/(x-1)/(6\*x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1) ogf]

A183664 3.23921 [  $-(246960x^6-574812x^5+499000x^4-211729x^3+47033x^2-5243x+231)/(x-1)/(6x-1)/(4x-1)/(3x-1)/(2x-1)/(7x-1)/(5x-1)$  ogf]  
A183665 3.19378 [  $-(1728720x^6-3842244x^5+3182536x^4-1288407x^3+273175x^2-29085x+1225)/(x-1)/(6x-1)/(4x-1)/(3x-1)/(2x-1)/(7x-1)/(5x-1)$  ogf]  
A183666 3.20116 [  $-(12101040x^6-25807068x^5+20565592x^4-8030449x^3+1646297x^2-169883x+6951)/(x-1)/(6x-1)/(4x-1)/(3x-1)/(2x-1)/(7x-1)/(5x-1)$  ogf]  
A183682 14.0722 [  $-4*(5x+3)/(4x^2+x-1)$  ogf]  
A183682 15.8137  $1/8*(-12-x+((4+x)*(17x+36))^{(1/2)})/(5+x)$  revogf  
A183682 18.0101  $-4*(2+6x+5x^2)/(5x+3)/(4x^2+x-1)$  lgdogf  
A183682 7.87374 [  $\{a(n+2)-a(n+1)-4a(n), a(0) = 12, a(1) = 32\}$ , ogf]  
A183683 5.96847 [  $\{-a(n+3)+13a(n+1)+16a(n), a(0) = 48, a(1) = 208, a(2) = 832\}$ , ogf]  
A183683 8.55995  $-(13+104x+313x^2+416x^3+208x^4)/(13x^2+13x+3)/(16x^3+13x^2-1)$  lgdogf  
A183683 9.41898 [  $-16*(13x^2+13x+3)/(16x^3+13x^2-1)$  ogf]  
A183684 5.27195  $-3*(11+46x-85x^2-588x^3-256x^4+1872x^5+2256x^6)/(2x+1)/(94x^3+39x^2-15x-6)/(36x^3-8x^2-5x+1)$  lgdogf  
A183684 6.42423 [  $-16*(94x^3+39x^2-15x-6)/(2x+1)/(36x^3-8x^2-5x+1)$  ogf]  
A183685 3.07785 [  $-16*(17344x^7+4668x^6-8058x^5-2127x^4+1123x^3+287x^2-49x-12)/(8192x^8+1392x^7-4232x^6-612x^5+720x^4+78x^3-48x^2-3x+1)$  ogf]  
A183690 12.5922 [  $-2*(32x+25)/(8x^2+5x-1)$  ogf]  
A183690 12.6099  $1/16*(-50-5x+(2500+756x+57x^2)^{(1/2)})/(8+x)$  revogf  
A183690 13.1831  $-(157+400x+256x^2)/(32x+25)/(8x^2+5x-1)$  lgdogf  
A183690 6.96273 [  $\{a(n+2)-5a(n+1)-8a(n), a(0) = 50, a(1) = 314\}$ , ogf]  
A183691 5.41610 [  $-2*(2288x^3-666x^2-1041x-157)/(208x^4-74x^3-91x^2-8x+1)$  ogf]  
A183702 10.3508  $-(103+384x+360x^2)/(15x+8)/(24x^2+11x-1)$  lgdogf  
A183702 5.35525 [  $\{a(n+2)-11a(n+1)-24a(n), a(0) = 192, a(1) = 2472\}$ , ogf]  
A183702 9.13303  $1/48*(-192-11x+((7x+96)*(31x+384))^{(1/2)})/(15+x)$  revogf  
A183702 9.34543 [  $-24*(15x+8)/(24x^2+11x-1)$  ogf]  
A183703 4.90358 [  $-24*(9747x^3-3561x^2-1539x-103)/(4104x^4-1587x^3-617x^2-29x+1)$  ogf]  
A183712 11.5767  $-(17+6x-4x^3+2x^4-7x^2)/(2x^2-2x-5)/(x^3-x^2-3x+1)$  lgdogf  
A183712 11.9642 [  $-(2x^2-2x-5)/(x^3-x^2-3x+1)$  ogf]  
A183712 6.40188 [  $\{a(n+3)-3a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 17, a(2) = 54\}$ , ogf]  
A183713 5.94879 [  $-2*(2x^5-4x^4-19x^3-2x^2+15x+6)/(x-1)/(x+1)/(x^4-2x^3-9x^2-2x+1)$  ogf]  
A183721 5.66209 [  $x*(x^2-2x-1)^2/(x+1)/(2x^2-5x+1)/(x^3-2x^2-4x+1)$  ogf]  
A183721 5.90664  $-(12-42x+4x^7-45x^2-44x^3+36x^4+30x^5-23x^6)/(x+1)/(2x^2-5x+1)/(x^2-2x-1)/(x^3-2x^2-4x+1)$  lgdogf  
A183766 3.02848 [  $\{(-2304n^3-17280n^2-42944n-35360)*a(n+1)+(9n^3+72n^2+191n+168)*a(n+2), a(0) = 40, a(1) = 7392\}$ , ogf]  
A183767 4.06208 [  $\{(-64n^2-320n-396)*a(n+1)+(2n^2+11n+15)*a(n+2), a(0) = 12, a(1) = 280\}$ , ogf]  
A183767 7.95750  $-1/256*(-3-24x-32x^3-8x^4-44x^2+(9+16x+8x^2)^{(1/2)})/(1+x)^4$  revogf  
A183769 2.82447 [  $\{(-1152n^3-8640n^2-21472n-17680)*a(n+1)+(9n^3+72n^2+191n+168)*a(n+2), a(0) = 160, a(1) = 14784\}$ , ogf]  
A183774 15.0876 [  $-(8x+5)/(4x^2+x-1)$  ogf]  
A183774 16.6440  $1/8*(-5-x+((17x+25)*(1+x))^{(1/2)})/(x+2)$  revogf  
A183774 17.9935  $-(13+40x+32x^2)/(8x+5)/(4x^2+x-1)$  lgdogf  
A183774 8.18004 [  $\{a(n+2)-a(n+1)-4a(n), a(0) = 5, a(1) = 13\}$ , ogf]  
A183775 10.0037 [  $-(32x^2-8x-13)/(8x^3-4x^2-3x+1)$  ogf]  
A183775 5.43304 [  $\{a(n+3)-3a(n+2)-4a(n+1)+8a(n), a(0) = 13, a(1) = 47, a(2) = 161\}$ , ogf]  
A183775 8.82416  $-(47+40x-128x^3+256x^4-184x^2)/(32x^2-8x-13)/(8x^3-4x^2-3x+1)$  lgdogf



A183776 5.05783 [  $-(512x^5+280x^4-494x^3-186x^2+95x+33)/(2x+1)/(32x^5-4x^4-33x^3+10x^2+4x-1)$  ogf]  
A183784 5.00555 [  $\{-a(n+3)+3a(n+2)+24a(n+1)+24a(n), a(0) = 31, a(1) = 216, a(2) = 1500\}$ , ogf]  
A183784 7.45428  $-12*(18+142x+405x^2+492x^3+216x^4)/(108x^2+123x+31)/(24x^3+24x^2+3x-1)$  lgdogf  
A183784 8.83332 [  $-(108x^2+123x+31)/(24x^3+24x^2+3x-1)$  ogf]  
A183785 3.66268 [  $-2*(9072x^5-13611x^4+3422x^3+2049x^2-480x-108)/(1344x^6-2092x^5+618x^4+279x^3-90x^2-12x+1)$  ogf]  
A183794 5.88787 [  $-(576x^3+866x^2+388x+53)/(144x^4+206x^3+81x^2+6x-1)$  ogf]  
A183804 5.18757 [  $\{-a(n+3)+3a(n+2)+9a(n+1)-15a(n), a(0) = 3, a(1) = 13, a(2) = 55\}$ , ogf]  
A183804 8.46676  $-(13+32x-120x^3+165x^4-66x^2)/(11x^2-4x-3)/(15x^3-9x^2-3x+1)$  lgdogf  
A183804 9.46938 [  $-(11x^2-4x-3)/(15x^3-9x^2-3x+1)$  ogf]  
A183805 5.84461 [  $-(98x^4+108x^3-116x^2+x+9)/(6x-1)/(2x-1)/(5x^3+8x^2-2x-1)$  ogf]  
A183813 4.49978 [  $\{-a(n+3)+15a(n+2)+120a(n+1)-330a(n), a(0) = 8, a(1) = 162, a(2) = 3256\}$ , ogf]  
A183813 6.72353  $-(81+826x-13860x^3+22110x^4-435x^2)/(67x^2-21x-4)/(330x^3-120x^2-15x+1)$  lgdogf  
A183813 7.95613 [  $-2*(67x^2-21x-4)/(330x^3-120x^2-15x+1)$  ogf]  
A183814 4.37698 [  $-8*(7624x^4+4218x^3-1580x^2+63x+8)/(45920x^5+24480x^4-10054x^3+560x^2+43x-1)$  ogf]  
A183821 4.18027 [  $\{-a(n+3)+43a(n+2)+645a(n+1)-2451a(n), a(0) = 15, a(1) = 813, a(2) = 43947\}$ , ogf]  
A183821 5.88480  $-(271+5992x+9202x^2-274512x^3+561279x^4)/(229x^2-56x-5)/(2451x^3-645x^2-43x+1)$  lgdogf  
A183821 7.25742 [  $-3*(229x^2-56x-5)/(2451x^3-645x^2-43x+1)$  ogf]  
A183829 3.31794 [  $-(552x^7+4160x^6-7906x^5-6x^4+5444x^3-2150x^2-193x+127)/(x-1)/(24x^7+200x^6-186x^5-118x^4+128x^3-14x^2-7x+1)$  ogf]  
A183838 7.09194 [  $-(140x^3-134x^2-26x+31)/(18x^4-22x^3+x^2+5x-1)$  ogf]  
A183857 13.1417  $-(4-8x+x^6-3x^4-8x^3-14x^2)/(x-1)/(x^2+x+1)/(x^4-x^3-x^2-2x-1)$  lgdogf  
A183857 9.78133 [  $(x^4-x^3-x^2-2x-1)/(x^2+x+1)/(x-1)^3$  ogf]  
A183859 13.6598  $-(3-4x-2x^3+x^6-10x^2)/(x-1)/(x^2+x+1)/(-1-x+x^2)/(1+x^2)$  lgdogf  
A183859 9.99234 [  $(x^2+1)*(x^2-x-1)/(x^2+x+1)/(x-1)^3$  ogf]  
A183861 12.3075 [  $(x^2+1)*(x^3-x^2-1)/(x^2+x+1)/(x-1)^3$  ogf]  
A183861 16.5751  $-(2-6x+2x^5-x^4-6x^3-6x^2+x^6)/(x-1)/(x^2+1)/(x^2+x+1)/(x^3-x^2-1)$  lgdogf  
A183863 12.1146 [  $(x^6-x^5-x^3-x^2-x-1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A183863 12.4389  $-(3-6x-6x^5-18x^4-8x^3+x^{10}-9x^2-7x^6-4x^7)/(x-1)/(x^4+x^3+x^2+x+1)/(x^6-x^5-x^3-x^2-x-1)$  lgdogf  
A183865 8.91981  $-(4-6x^7-8x-14x^5-3x^8-9x^6-11x^2+x^{10}-14x^3-22x^4)/(x-1)/(x^4+x^3+x^2+x+1)/(x^6-x^5-x^4-x^3-x^2-2x-1)$  lgdogf  
A183865 9.31560 [  $(x^6-x^5-x^4-x^3-x^2-2x-1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A183871 14.3581  $-(3-4x+3x^8-2x^7-5x^6+4x^5-14x^4-2x^3-7x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4-x^3-x^2+x-2)$  lgdogf  
A183871 14.7010 [  $(x^4-x^3-x^2+x-2)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A183873 12.9374 [  $(x^2+1)*(x^4-x^3-1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A183873 13.2762  $-(2-4x+x^{10}+3x^8-2x^7-5x^6+2x^5-14x^4-2x^3-7x^2)/(x-1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3-1)$  lgdogf  
A183877 7.20358 [  $(18x^4-33x^3-3x^2+25x+1)/(3x-1)/(x-1)^3$  ogf]  
A183877 8.25468  $-(31-32x+81x^4-288x^3+318x^2)/(x-1)/(3x-1)/(18x^4-33x^3-3x^2+25x+1)$  lgdogf  
A183878 3.52806 [  $(384x^8-1536x^7+2040x^6-444x^5-1318x^4+1087x^3-258x^2+13x-4)/(4x-1)/(2x-1)^2/(x-1)^4$  ogf]  
A183879 3.00951 [ -

$(960x^8-4312x^7+7204x^6-4706x^5-701x^4+1960x^3-538x^2-10x-1)/(5x-1)/(2x-1)^3/(x-1)^4$  ogf]  
A183885 5.61538  $(-121-52x+450x^6-2100x^5+3995x^4-3848x^3+1724x^2)/(x-1)/(3x-1)/(150x^5-410x^4+285x^3+83x^2-115x-1)$  lgdogf  
A183885 6.05993  $[-(150x^5-410x^4+285x^3+83x^2-115x-1)/(3x-1)/(x-1)^3$  ogf]  
A183886 3.60597  $[2*(656x^7-2996x^6+5336x^5-4469x^4+1488x^3+x^2-50x-8)/(4x-1)/(2x-1)^2/(x-1)^4$  ogf]  
A183897 11.1374  $[-(3x^2-3x-1)*(x^2-x-1)/(x-1)^3$  ogf]  
A183897 14.2661  $(-7-6x-12x^3+3x^4+19x^2)/(x-1)/(3x^2-3x-1)/(-1-x+x^2)$  lgdogf  
A183897 5.83390  $[{a(n+5)-3a(n+4)+3a(n+3)-a(n+2), a(0) = 1, a(1) = 7, a(2) = 17, a(3) = 25, a(4) = 34},$  ogf]  
A183898 14.0081  $-2*(7+3x+7x^3-15x^2)/(x-1)/(8x^4-18x^3+12x^2-6x+5)$  lgdogf  
A183898 9.35174  $[(8x^4-18x^3+12x^2-6x+5)/(x-1)^4$  ogf]  
A183898 6.61903  $[(2x^7+5x^6+2x^5-74x^4+116x^3-51x^2-1)/(x-1)^5$  ogf]  
A183899 7.73011  $(5+102x+4x^7-9x^6-30x^5+64x^4+64x^3-195x^2)/(x-1)/(2x^7+5x^6+2x^5-74x^4+116x^3-51x^2-1)$  lgdogf  
A183900 5.10593  $[-(6x^9-38x^8+78x^7-59x^6+38x^5-102x^4+116x^3-31x^2-6x-3)/(x-1)^6$  ogf]  
A183901 4.52861  $[(33x^9-102x^8-60x^7+548x^6-649x^5+72x^4+302x^3-150x^2+6x-1)/(x-1)^7$  ogf]  
A183905 12.3137  $[(2x^3-x^2-x-1)/(x-1)^3$  ogf]  
A183905 22.5341  $-(-4-4x+5x^2)/(x-1)/(2x^3-x^2-x-1)$  lgdogf  
A183905 6.34061  $[{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 1, a(1) = 4, a(2) = 10, a(3) = 17},$  ogf]  
A183906 11.1904  $(-5-9x+12x^3-10x^4+2x^5+6x^2)/(x-1)/(2x^5-x^4-8x^3+9x^2-3x+2)$  lgdogf  
A183906 8.58563  $[(2x^5-x^4-8x^3+9x^2-3x+2)/(x-1)^4$  ogf]  
A183907 11.1720  $-(2+28x-12x^2-36x^3+23x^4)/(x-1)/(4x^5+3x^4-24x^3+20x^2-3x+1)$  lgdogf  
A183907 7.58855  $[-(4x^5+3x^4-24x^3+20x^2-3x+1)/(x-1)^5$  ogf]  
A183908 5.72820  $[-(4x^7-5x^6-11x^5+10x^4+18x^3-19x^2+4x-2)/(x-1)^6$  ogf]  
A183908 7.20183  $(8+18x+4x^7-28x^6+41x^5+35x^4-94x^3+22x^2)/(x-1)/(4x^7-5x^6-11x^5+10x^4+18x^3-19x^2+4x-2)$  lgdogf  
A183909 4.84316  $[-(4x^9-9x^8-16x^7+40x^6+3x^5-20x^4-32x^3+36x^2-6x+1)/(x-1)^7$  ogf]  
A183909 5.64748  $(-1-36x-45x^8+72x^6-246x^5+45x^4+208x^3+8x^9+72x^7-84x^2)/(x-1)/(4x^9-9x^8-16x^7+40x^6+3x^5-20x^4-32x^3+36x^2-6x+1)$  lgdogf  
A183910 3.86092  $[-(10x^{10}-49x^9+44x^8+129x^7-302x^6+231x^5-102x^4+85x^3-56x^2+11x-2)/(x-1)^8$  ogf]  
A183911 3.50075  $[(2x^{11}+20x^{10}-120x^9+147x^8+120x^7-327x^6+116x^5+80x^4-12x^3-31x^2+5x-1)/(x-1)^9$  ogf]  
A183918 33.1238  $(1+2x+3x^2+5x^4)/(x^2+1+x+x^5+x^3)$  lgdogf  
A183919 38.2994  $(1+3x^2+11x^{10})/(1+x+x^3+x^{11})$  lgdogf  
A183920 5.58975  $[-(x^{10}-x^9-2x^7+x^6+x^5-2x^2-x-1)/(x^2+1)/(x+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A183928 7.10649  $[(x^5+x^3+x+1)/(x^2+1)/(x+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A183928 7.27886  $-(2+4x+6x^{10}+7x^9+16x^8+18x^7+27x^6+37x^5+34x^4+26x^3+15x^2)/(x-1)/(x+1)/(x^2+1)/(x^5+x^3+x+1)/(x^2+x+1)$  lgdogf  
A183954 6.72222  $[-(x+1)*(x^9-3x^8+4x^7-3x^6+2x^5-x^4+x^3-x+1)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A183963 3.50196  $[-9*(3456x^8-96x^7+96x^6-108x^5-932x^4-37x^3-17x^2-3x+9)/(12x^3-3x^2-6x+1)/(144x^6+72x^4-3x^2-1)$  ogf]  
A183977 3.42716  $[-2*(4x^3-5x^2-2x+2)/(2x-1)/(x-1)/(2x^2-1)$  ogf]  
A183978 10.6893  $[-(12x^3-9x^2-6x+4)/(2x-1)/(x-1)/(2x^2-1)$  ogf]  
A183978 5.98602  $[{-a(n+4)+3a(n+3)-6a(n+1)+4a(n), a(0) = 4, a(1) = 6, a(2) =$

9, a(3) = 15}], ogf]  
 A183978 8.25019  $-(6-18*x+64*x^3-18*x^4-72*x^5+48*x^6-9*x^2)/(x-1)/(-1+2*x)/(2*x^2-1)/(12*x^3-9*x^2-6*x+4)$  lgdogf  
 A183979 10.4410 [  $-(20*x^3-13*x^2-10*x+6)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
 A183979 8.01917  $-(8-26*x+96*x^3-42*x^4-104*x^5+80*x^6-9*x^2)/(x-1)/(-1+2*x)/(2*x^2-1)/(20*x^3-13*x^2-10*x+6)$  lgdogf  
 A183980 10.4895 [  $-(32*x^3-19*x^2-16*x+9)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
 A183980 7.80274  $-(11-38*x+144*x^3-78*x^4-152*x^5+128*x^6-9*x^2)/(x-1)/(-1+2*x)/(2*x^2-1)/(32*x^3-19*x^2-16*x+9)$  lgdogf  
 A183981 10.3937 [  $-(56*x^3-31*x^2-28*x+15)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
 A183981 7.67790  $-(17-62*x+240*x^3-150*x^4-248*x^5+224*x^6-9*x^2)/(x-1)/(-1+2*x)/(2*x^2-1)/(56*x^3-31*x^2-28*x+15)$  lgdogf  
 A183982 10.4416 [  $-(96*x^3-51*x^2-48*x+25)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
 A183982 7.63524  $-(27-102*x+400*x^3-270*x^4-408*x^5+384*x^6-9*x^2)/(x-1)/(-1+2*x)/(2*x^2-1)/(96*x^3-51*x^2-48*x+25)$  lgdogf  
 A183983 10.3005 [  $-(176*x^3-91*x^2-88*x+45)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
 A183983 7.55811  $-(47-182*x+720*x^3-510*x^4-728*x^5+704*x^6-9*x^2)/(x-1)/(-1+2*x)/(176*x^3-91*x^2-88*x+45)/(2*x^2-1)$  lgdogf  
 A183984 6.89783  $-(83-326*x-1304*x^5+1280*x^6+1296*x^3-942*x^4-9*x^2)/(x-1)/(2*x-1)/(2*x^2-1)/(320*x^3-163*x^2-160*x+81)$  lgdogf  
 A183984 9.53079 [  $-(320*x^3-163*x^2-160*x+81)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
 A183985 6.83339  $-(155-614*x+2432*x^6-2456*x^5-1806*x^4+2448*x^3-9*x^2)/(x-1)/(2*x-1)/(2*x^2-1)/(608*x^3-307*x^2-304*x+153)$  lgdogf  
 A183985 9.58705 [  $-(608*x^3-307*x^2-304*x+153)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
 A183995 3.59574 [ -  
 $(9720*x^8-12420*x^7-6300*x^6+12000*x^5-270*x^4-3549*x^3+665*x^2+315*x-81)/(x-1)/(3*x-1)/(2*x-1)/(6*x^2-1)/(3*x^2-1)/(2*x^2-1)$  ogf]  
 A183996 3.56865 [ -  
 $3*(7992*x^8-9252*x^7-5676*x^6+8968*x^5+234*x^4-2673*x^3+425*x^2+239*x-57)/(x-1)/(3*x-1)/(2*x-1)/(6*x^2-1)/(3*x^2-1)/(2*x^2-1)$  ogf]  
 A183997 3.50982 [ -  
 $(56376*x^8-60804*x^7-42012*x^6+59088*x^5+3474*x^4-17685*x^3+2497*x^2+1587*x-361)/(x-1)/(3*x-1)/(2*x-1)/(6*x^2-1)/(3*x^2-1)/(2*x^2-1)$  ogf]  
 A183998 3.46696 [ -  
 $3*(48600*x^8-49140*x^7-37500*x^6+47992*x^5+4146*x^4-14429*x^3+1837*x^2+1299*x-285)/(x-1)/(3*x-1)/(2*x-1)/(6*x^2-1)/(3*x^2-1)/(2*x^2-1)$  ogf]  
 A184005 15.1313 [  $(x^3-x^2-2*x-1)/(x+1)/(x-1)^3$  ogf]  
 A184005 21.4100  $-(4-10*x+x^4-5*x^2)/(x-1)/(x+1)/(x^3-x^2-2*x-1)$  lgdogf  
 A184006 4.73583 [  $(x+1)*(x^{14}+x^{13}+2*x^{11}+2*x^9-x^8+3*x^7-x^6+2*x^5+2*x^3+x+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf]  
 A184009 10.9292 [  $(x^2+1)*(x^6-x^5-x^4-x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
 A184013 16.0846 [  $(x^5-x^4-x-1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
 A184013 16.6625  $-(3-4*x-6*x^5-6*x^4-8*x^3+2*x^9-x^8-4*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5-x^4-x-1)$  lgdogf  
 A184017 11.8477 [  $(x^2+1)*(x^8-x^7+x^5-x^4-x^3+x^2-1)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^3$  ogf]  
 A184031 5.52695 [  $\{-a(n+4)+3*a(n+3)-6*a(n+1)+4*a(n), a(0) = 16, a(1) = 28, a(2) = 49, a(3) = 91\}$ , ogf]  
 A184031 7.15304  $-(28-70*x+256*x^3-30*x^4-280*x^5+160*x^6-63*x^2)/(x-1)/(-1+2*x)/(2*x^2-1)/(40*x^3-35*x^2-20*x+16)$  lgdogf  
 A184031 9.69110 [  $-(40*x^3-35*x^2-20*x+16)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
 A184032 7.04289  $-(40-118*x+448*x^3-174*x^4-472*x^5+352*x^6-63*x^2)/(x-1)/(-1+2*x)/(2*x^2-1)/(88*x^3-59*x^2-44*x+28)$  lgdogf  
 A184032 9.73768 [  $-(88*x^3-59*x^2-44*x+28)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
 A184033 6.97246  $-(61-202*x-808*x^5+688*x^6+784*x^3-426*x^4-63*x^2)/(x-1)/(2*x-1)/(2*x^2-1)/(172*x^3-101*x^2-86*x+49)$  lgdogf  
 A184033 9.47801 [  $-(172*x^3-101*x^2-86*x+49)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
 A184034 6.64197  $-(103-370*x+1360*x^6-1480*x^5-930*x^4+1456*x^3-63*x^2)/(x-1)/(-1+2*x)/(2*x^2-1)/(340*x^3-185*x^2-170*x+91)$  lgdogf  
 A184034 9.44280 [  $-(340*x^3-185*x^2-170*x+91)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]

A184035 6.61168  $-(181-682*x-2728*x^5-1866*x^4+2704*x^3-63*x^2+2608*x^6)/(x-1)/(2*x-1)/(2*x^2-1)/(652*x^3-341*x^2-326*x+169)$  lgdogf  
A184035 9.36434  $[-(652*x^3-341*x^2-326*x+169)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
A184036 6.49036  $-(337-1306*x-5224*x^5-3738*x^4+5200*x^3-63*x^2+5104*x^6)/(x-1)/(2*x-1)/(1276*x^3-653*x^2-638*x+325)/(2*x^2-1)$  lgdogf  
A184036 9.24428  $[-(1276*x^3-653*x^2-638*x+325)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
A184037 6.32081  $-(637-2506*x+9904*x^6-10024*x^5-7338*x^4+10000*x^3-63*x^2)/(x-1)/(2*x-1)/(2*x^2-1)/(2476*x^3-1253*x^2-1238*x+625)$  lgdogf  
A184037 9.09821  $[-(2476*x^3-1253*x^2-1238*x+625)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
A184038 5.89997  $-(1237-4906*x-19624*x^5+19504*x^6+19600*x^3-14538*x^4-63*x^2)/(x-1)/(2*x-1)/(2*x^2-1)/(4876*x^3-2453*x^2-2438*x+1225)$  lgdogf  
A184038 8.68847  $[-(4876*x^3-2453*x^2-2438*x+1225)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
A184041 7.32821  $-(21-64*x+192*x^6-256*x^5-96*x^4+240*x^3-30*x^2)/(x-1)/(-1+2*x)/(2*x^2-1)/(48*x^3-32*x^2-24*x+15)$  lgdogf  
A184041 9.92564  $[-(48*x^3-32*x^2-24*x+15)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
A184042 7.18016  $-(31-104*x+352*x^6-416*x^5-216*x^4+400*x^3-30*x^2)/(x-1)/(-1+2*x)/(2*x^2-1)/(88*x^3-52*x^2-44*x+25)$  lgdogf  
A184042 9.92564  $[-(88*x^3-52*x^2-44*x+25)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
A184043 7.21485  $-(51-184*x-736*x^5-456*x^4+720*x^3-30*x^2+672*x^6)/(x-1)/(2*x-1)/(2*x^2-1)/(168*x^3-92*x^2-84*x+45)$  lgdogf  
A184043 9.83792  $[-(168*x^3-92*x^2-84*x+45)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
A184044 6.90100  $-(87-328*x+1248*x^6-1312*x^5-888*x^4+1296*x^3-30*x^2)/(x-1)/(2*x-1)/(2*x^2-1)/(312*x^3-164*x^2-156*x+81)$  lgdogf  
A184044 9.62421  $[-(312*x^3-164*x^2-156*x+81)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
A184045 6.80379  $-(159-616*x-30*x^2-2464*x^5+2400*x^6+2448*x^3-1752*x^4)/(x-1)/(2*x-1)/(2*x^2-1)/(600*x^3-308*x^2-300*x+153)$  lgdogf  
A184045 9.63301  $[-(600*x^3-308*x^2-300*x+153)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
A184046 6.67895  $-(295-1160*x-30*x^2-4640*x^5+4576*x^6+4624*x^3-3384*x^4)/(x-1)/(2*x-1)/(2*x^2-1)/(1144*x^3-580*x^2-572*x+289)$  lgdogf  
A184046 9.50951  $[-(1144*x^3-580*x^2-572*x+289)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
A184047 6.58955  $-(567-2248*x+8928*x^6-8992*x^5-6648*x^4+8976*x^3-30*x^2)/(x-1)/(2*x-1)/(2*x^2-1)/(2232*x^3-1124*x^2-1116*x+561)$  lgdogf  
A184047 9.31470  $[-(2232*x^3-1124*x^2-1116*x+561)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
A184052 8.12691  $-(2-6*x+12*x^5-48*x^7+16*x^8+24*x^6+3*x^2+4*x^3-10*x^4)/(x-1)/(2*x-1)/(2*x^2-1)/(4*x^5-10*x^4+5*x^3+2*x^2-3*x+1)$  lgdogf  
A184052 8.25489  $[-(4*x^5-10*x^4+5*x^3+2*x^2-3*x+1)/(2*x-1)/(2*x^2-1)/(x-1)^3$  ogf]  
A184063 14.4653  $(-11+15*x+4*x^3-12*x^2)/(x-1)/(x^4-8*x^3+18*x^2-17*x+7)$  lgdogf  
A184063 9.31976  $[(x^4-8*x^3+18*x^2-17*x+7)/(x-1)^4$  ogf]  
A184064 7.63934  $[(2*x^6-x^5+5*x^4-19*x^3+38*x^2-28*x+11)/(x-1)^4$  ogf]  
A184064 9.26208  $(-16+8*x-19*x^2-13*x^5+4*x^6-x^3+5*x^4)/(x-1)/(2*x^6-x^5+5*x^4-19*x^3+38*x^2-28*x+11)$  lgdogf  
A184065 4.55580  $[(x^{12}-x^{11}+5*x^{10}-31*x^9+31*x^8-62*x^7+73*x^6-4*x^5+52*x^4-2*x^3+106*x^2-44*x+20)/(x-1)^4$  ogf]  
A184096 3.96732  $[(2*x^2-2*x-1)*(2*x^2+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(2*x^2-1)$  ogf]  
A184103 12.7437  $[(x^9-x^8+x^7-x^4-1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^3$  ogf]  
A184103 9.25827  $[-(2-2*x-4*x^5-4*x^4-6*x^3+x^{16}-2*x^2+3*x^6+3*x^{14}+2*x^{13}-18*x^7+7*x^8-4*x^{11}+2*x^{12})/(x-1)/(x+1)/(x^9-x^8+x^7-x^4-1)/(x^2+1)/(x^4+1)$  lgdogf  
A184107 6.37275  $[(x^{19}-x^{18}+x^{17}-x^{12}+x^{11}-x^{10}+x^9-x^8+x^7-x^6-1)/(x+1)/(x^6+x^3+1)/(x^6-x^3+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3$  ogf]  
A184109 15.7731  $[(x^8-x^6-x^3+x-2)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A184112 11.8397  $[-(3-2*x+2*x^{13}+2*x^{12}+3*x^6-4*x^5-4*x^4-6*x^3-18*x^7+9*x^8+3*x^{14}-4*x^{11}-2*x^2)/(x-1)/(x+1)/(x^2+1)/(x^7-x^4+x-2)/(x^4+1)$  lgdogf  
A184112 17.0051  $[(x^7-x^4+x-2)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^3$  ogf]  
A184115 8.56850  $[(x^{24}-x^4+20*x^{19}-x^{18}+x^{16}-x^{15}-x^{10}+x^9-x^7+x^6-x^5+x-2)/(x^4+x^3+x^2+x+1)/(x^{20}+x^{15}+x^{10}+x^5+1)/(x-1)^3$  ogf]  
A184130 4.30738  $[-(x-2)*(x^7-7*x^6+22*x^5-39*x^4+42*x^3-28*x^2+11*x-3)/(x-1)^9$

ogf]  
 A184130 6.14655  $-(29-66*x+x^8+45*x^6-116*x^5+185*x^4-192*x^3-10*x^7+133*x^2)/(x-2)/(x-1)/(x^7-7*x^6+22*x^5-39*x^4+42*x^3-28*x^2+11*x-3)$  lgdogf  
 A184138 4.75105  $[-(x^7-8*x^6+27*x^5-52*x^4+62*x^3-45*x^2+18*x-4)/(x-1)^8$  ogf]  
 A184138 6.83054  $-(-14+36*x+33*x^5-73*x^4+102*x^3-9*x^6+x^7-84*x^2)/(x-1)/(x^7-8*x^6+27*x^5-52*x^4+62*x^3-45*x^2+18*x-4)$  lgdogf  
 A184145 10.1662  $-(499+2408*x+3136*x^2)/(112*x+43)/(28*x^2+9*x-1)$  lgdogf  
 A184145 10.1662  $1/56*(-43-9*x+(1849+1222*x+193*x^2)^(1/2))/(4+x)$  revogf  
 A184145 10.1850  $[-(112*x+43)/(28*x^2+9*x-1)$  ogf]  
 A184145 5.80309  $[{a(n+2)-9*a(n+1)-28*a(n), a(0) = 43, a(1) = 499},$  ogf]  
 A184146 5.58369  $[-(12096*x^3-10003*x^2+736*x+499)/(756*x^4-637*x^3+53*x^2+33*x-1)$  ogf]  
 A184185 3.98102  $[{(n+2)*a(n+1)+(-2*n-6)*a(n+2)+(n+6)*a(n+3)-a(n+4), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1},$  ogf]  
 A184189 10.3105  $-(19-32*x+20*x^3+8*x^4-10*x^2)/(4*x-3)/(x+2)/(2*x^3+2*x^2-4*x+1)$  lgdogf  
 A184189 11.0286  $[-(x+2)*(4*x-3)/(2*x^3+2*x^2-4*x+1)$  ogf]  
 A184189 5.90128  $[{-a(n+3)+4*a(n+2)-2*a(n+1)-2*a(n), a(0) = 6, a(1) = 19, a(2) = 60},$  ogf]  
 A184190 6.02172  $[-(8*x^4+41*x^3-34*x^2-29*x+19)/(2*x^5+10*x^4-10*x^3-7*x^2+7*x-1)$  ogf]  
 A184200 5.58843  $[-(16*x^4-6*x^3-87*x^2+20*x+35)/(2*x^5-x^4-11*x^3+4*x^2+5*x-1)$  ogf]  
 A184209 4.18443  $[-(2160*x^5+684*x^4-2220*x^3-679*x^2+400*x+106)/(144*x^6+36*x^5-160*x^4-37*x^3+35*x^2+6*x-1)$  ogf]  
 A184218 11.3437  $[-x^4*(5*x^2-13*x+9)/(x-1)^3$  ogf]  
 A184218 18.3097  $-(14-16*x+5*x^2)/(x-1)/(5*x^2-13*x+9)$  lgdogf  
 A184220 16.5295  $-(23-24*x+7*x^2)/(x-1)/(7*x^2-19*x+14)$  lgdogf  
 A184220 8.84676  $[-x^4*(7*x^2-19*x+14)/(x-1)^3$  ogf]  
 A184223 5.37899  $[{a(n+3)-3*a(n+2)-3*a(n+1)+6*a(n), a(0) = 15, a(1) = 57, a(2) = 180},$  ogf]  
 A184223 9.26395  $-(19+6*x+72*x^4-48*x^3-42*x^2)/(6*x-5)/(2*x+1)/(6*x^3-3*x^2-3*x+1)$  lgdogf  
 A184223 9.74942  $[-3*(2*x+1)*(6*x-5)/(6*x^3-3*x^2-3*x+1)$  ogf]  
 A184224 4.78771  $[-(168*x^5-324*x^4-250*x^3+547*x^2-69*x-57)/(12*x^6-24*x^5-17*x^4+42*x^3-7*x^2-6*x+1)$  ogf]  
 A184258 4.94747  $[-(x^28-2*x^27+x^26+x^24-x^23+x^21-x^20+x^18+x^8-x^6+x^5-x^3+x^2-x+1)/(x^2+x+1)/(x^6+x^3+1)/(x^18+x^9+1)/(x-1)^3$  ogf]  
 A184327 9.84717  $[-(x^3-5*x^2+11*x+1)/(x-1)/(x+1)/(x^2-6*x+1)$  ogf]  
 A184334 13.1921  $[(x^2+x+1)/(x^2-x+1)$  ogf]  
 A184334 21.1355  $[x^5-2*x^2-x+2$  ogf\_with\_Euler\_transform]  
 A184334 27.9939  $-2*(x-1)*(x+1)/(x^2+1+x)/(x^2-x+1)$  lgdogf  
 A184334 6.85474  $[{-a(n+3)+a(n+2)-a(n+1), a(0) = 1, a(1) = 2, a(2) = 2},$  ogf]  
 A184337 4.26970  $[{a(n+3)-111*a(n+2)+1110*a(n+1)-1000*a(n), a(0) = 0, a(1) = 81, a(2) = 8811},$  ogf]  
 A184337 7.49646  $-(-979+19980*x+40000*x^3-49200*x^2)/(x-1)/(20*x-9)/(100*x-1)/(10*x-1)$  lgdogf  
 A184337 7.72313  $[9*x*(20*x-9)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
 A184358 5.84350  $[{(n^2+6*n+9)*a(n+1)-2*a(n+2), a(0) = 1, a(1) = 2},$  ogf]  
 A184368 12.7801  $[-3*(9*x+7)/(9*x^2+6*x-1)$  ogf]  
 A184368 14.3631  $-3*(17+42*x+27*x^2)/(9*x+7)/(9*x^2+6*x-1)$  lgdogf  
 A184368 14.7222  $1/6*(-7-2*x+(49+40*x+8*x^2)^(1/2))/(3+x)$  revogf  
 A184368 7.06666  $[{a(n+2)-6*a(n+1)-9*a(n), a(0) = 21, a(1) = 153},$  ogf]  
 A184369 5.75080  $[-(162*x^3-507*x^2+154*x+153)/(18*x^4-57*x^3+19*x^2+17*x-1)$  ogf]  
 A184418 11.9639  $[(x^2+x+1)^2/(x-1)^2/(x+1)^2$  ogf]  
 A184418 23.7980  $-2*(1+4*x+x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
 A184418 34.8023  $[-2*x^2+2*x+2$  ogf\_with\_Euler\_transform]  
 A184423 3.34401  $[{(108*n^3+486*n^2+726*n+360)*a(n+1)+(-n^3-6*n^2-12*n-8)*a(n+2), a(0) = 1, a(1) = 12},$  ogf]  
 A184424 3.72820  $[{(-108*n^2-270*n-168)*a(n+1)+(n^2+4*n+4)*a(n+2), a(0) = 1, a(1)$

= 6}], ogf]  
 A184424 9.21084 [hypergeom([1/6, 1/3],[1],108\*x) ogf]  
 A184449 4.40251 [ -9\*(35964\*x^6-1458\*x^5-432\*x^4-1071\*x^3+18\*x^2+5\*x+7)/(3\*x-1)/(108\*x^3-1)/(54\*x^3-1) ogf]  
 A184469 3.05945 [ -3\*(2332800\*x^9-42768\*x^8-17496\*x^7-269028\*x^6+5112\*x^5+1944\*x^4+9672\*x^3-140\*x^2-50\*x-105)/(3\*x-1)/(24\*x^3-1)/(18\*x^3-1)/(54\*x^3-1) ogf]  
 A184485 5.70458 [ -(x^15-x^14-2\*x^10-4\*x^9-5\*x^8-4\*x^7-4\*x^6-5\*x^5-4\*x^4-4\*x^3-4\*x^2-5\*x-2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
 A184489 5.39797 -(165+594\*x+264\*x^2-1488\*x^3-1360\*x^4+1056\*x^5+1152\*x^6)/(2\*x+1)/(6\*x^3-x^2-5\*x+1)/(96\*x^3+44\*x^2-72\*x-31) lgdogf  
 A184489 7.03816 [ -(96\*x^3+44\*x^2-72\*x-31)/(2\*x+1)/(6\*x^3-x^2-5\*x+1) ogf]  
 A184533 10.7657 [ (x^2+1)\*(x^2-2\*x-2)/(x+1)/(x-1)^3 ogf]  
 A184533 15.9488 2\*(3+7\*x+x^3+7\*x^2)/(x-1)/(x+1)/(1+x^2)/(x^2-2\*x-2) lgdogf  
 A184534 20.7011 [ (x^6-2\*x^5+x^4-x^2-x-1)/(x+1)/(x-1)^3 ogf]  
 A184534 22.0466 (3+8\*x-2\*x^3+8\*x^4-2\*x^5-4\*x^6+2\*x^7+5\*x^2)/(x-1)/(x+1)/(x^6-2\*x^5+x^4-x^2-x-1) lgdogf  
 A184535 9.60619 [ (x^7-2\*x^6+x^5-2\*x^4-x^3-2\*x^2-1)/(x^4+x^3+x^2+x+1)/(x-1)^3 ogf]  
 A184535 9.62998 (2+6\*x+6\*x^8+8\*x^7+11\*x^6+12\*x^4+16\*x^3+20\*x^5+9\*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(x^7-2\*x^6+x^5-2\*x^4-x^3-2\*x^2-1) lgdogf  
 A184536 18.7631 [ (x^4-4\*x^3+10\*x^2+12\*x+5)/(x-1)^4 ogf]  
 A184536 35.1265 -8\*(4+7\*x+x^2)/(x-1)/(x^4-4\*x^3+10\*x^2+12\*x+5) lgdogf  
 A184537 16.1841 [ (x^5+x^4-12\*x^3+34\*x^2-17\*x+5)/(x-1)^4 ogf]  
 A184537 22.2768 (-3-17\*x+8\*x^3-5\*x^4+x^5-32\*x^2)/(x-1)/(x^5+x^4-12\*x^3+34\*x^2-17\*x+5) lgdogf  
 A184538 12.1780 [ (x+1)\*(x^6-3\*x^5+3\*x^4+6\*x^2+3\*x+2)/(x^2+x+1)/(x-1)^4 ogf]  
 A184538 12.5755 (-11-39\*x-82\*x^3-63\*x^4-15\*x^5-7\*x^6-72\*x^2+3\*x^7-3\*x^8+x^9)/(x-1)/(x+1)/(x^2+x+1)/(x^6-3\*x^5+3\*x^4+6\*x^2+3\*x+2) lgdogf  
 A184540 14.0830 -(-89+151\*x+14\*x^3-80\*x^2)/(x-1)/(14\*x^3-61\*x^2+91\*x-45) lgdogf  
 A184540 9.92098 [ -(14\*x^3-61\*x^2+91\*x-45)/(x-1)^4 ogf]  
 A184541 10.2338 -(193-478\*x-158\*x^3+22\*x^4+426\*x^2)/(x-1)/(22\*x^4-123\*x^3+265\*x^2-252\*x+89) lgdogf  
 A184541 7.59303 [ -(22\*x^4-123\*x^3+265\*x^2-252\*x+89)/(x-1)^5 ogf]  
 A184542 6.21463 [ -(31\*x^5-209\*x^4+578\*x^3-796\*x^2+542\*x-147)/(x-1)^6 ogf]  
 A184542 7.89662 -(-340+1118\*x+898\*x^3-263\*x^4+31\*x^5-1450\*x^2)/(x-1)/(31\*x^5-209\*x^4+578\*x^3-796\*x^2+542\*x-147) lgdogf  
 A184543 5.03245 [ -(41\*x^6-322\*x^5+1078\*x^4-1922\*x^3+1909\*x^2-1003\*x+220)/(x-1)^7 ogf]  
 A184543 6.21443 -(537-2200\*x-398\*x^5+1624\*x^4-3376\*x^3+3779\*x^2+41\*x^6)/(x-1)/(41\*x^6-322\*x^5+1078\*x^4-1922\*x^3+1909\*x^2-1003\*x+220) lgdogf  
 A184544 4.28223 [ -(52\*x^7-465\*x^6+1819\*x^5-3955\*x^4+5120\*x^3-3943\*x^2+1680\*x-309)/(x-1)^8 ogf]  
 A184545 3.79264 [ -(64\*x^8-641\*x^7+2861\*x^6-7310\*x^5+11605\*x^4-11699\*x^3+7327\*x^2-2621\*x+415)/(x-1)^9 ogf]  
 A184549 7.43468 -(17+29\*x+10\*x^6+23\*x^5+55\*x^4+52\*x^3+38\*x^2)/(x-1)/(x+1)/(5\*x^3+6\*x^2+11\*x+6)/(1+x^2) lgdogf  
 A184549 8.79553 [ x\*(5\*x^3+6\*x^2+11\*x+6)/(x^2+1)/(x+1)/(x-1)^2 ogf]  
 A184550 6.87244 -(11+23\*x+22\*x^6+29\*x^5+37\*x^4+52\*x^3+50\*x^2)/(-1+x)/(x+1)/(x^2+1)/(11\*x^3+6\*x^2+5\*x+6) lgdogf  
 A184550 8.23318 [ x\*(11\*x^3+6\*x^2+5\*x+6)/(x^2+1)/(x+1)/(x-1)^2 ogf]  
 A184551 6.74422 -(17+27\*x+12\*x^6+21\*x^5+35\*x^4+72\*x^3+40\*x^2)/(-1+x)/(x+1)/(x^2+1)/(6\*x^3+5\*x^2+6\*x+11) lgdogf  
 A184551 8.08150 [ x\*(6\*x^3+5\*x^2+6\*x+11)/(x^2+1)/(x+1)/(x-1)^2 ogf]  
 A184552 11.1014 [ x\*(6\*x^3+11\*x^2+6\*x+5)/(x^2+1)/(x+1)/(x-1)^2 ogf]  
 A184552 9.41257 -(11+33\*x+12\*x^6+39\*x^5+40\*x^4+48\*x^3+41\*x^2)/(x-1)/(x+1)/(6\*x^3+11\*x^2+6\*x+5)/(x^2+1) lgdogf  
 A184556 5.86001 [ -(108\*x^4-24\*x^3-199\*x^2+36\*x+50)/(2\*x+1)/(6\*x^4-5\*x^3-9\*x^2+8\*x-1) ogf]

A184592 20.2402 [  $(x^7+2x^6+2x^5+2x^4+2x^3+2x^2+2x+2)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A184606 4.82572 [  $\{a(n+4)-3a(n+3)-6a(n+1)-4a(n), a(0) = 8, a(1) = 28, a(2) = 98, a(3) = 350\}$ , ogf]  
A184606 6.79943  $-(14+14x+63x^2+64x^3+66x^4+56x^5+16x^6)/(2x^2+3x-1)/(2x^2+1)/(4x^3+7x^2+2x+4)$  lgdogf  
A184606 8.82417 [  $-2*(4x^3+7x^2+2x+4)/(2x^2+3x-1)/(2x^2+1)$  ogf]  
A184628 15.1388 [  $(x^4-4x^3+7x^2+2)/(x-1)^4$  ogf]  
A184628 30.2553  $-2*(4+7x+x^2)/(x-1)/(x^4-4x^3+7x^2+2)$  lgdogf  
A184629 6.47931 [  $(x^{13}-3x^{12}+3x^{11}-2x^9+2x^7+3x^5+6x^4+5x^3+4x^2+4x+1)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A184630 7.44539 [  $(x^9-3x^8+4x^7-4x^6+3x^5-x^4+5x^3+3x^2+3x+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A184631 6.51206 [  $(x+1)*(x^{10}-3x^9+3x^8+x^6+3x^5+3x^3+2x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A184632 12.9316 [  $(x^5-3x^4+3x^3+3x^2+x+1)/(x+1)/(x-1)^4$  ogf]  
A184632 19.2495  $-2*(2+7x+11x^2+3x^3+x^4)/(x-1)/(x+1)/(x^5-3x^4+3x^3+3x^2+x+1)$  lgdogf  
A184633 15.4618 [  $(x+1)*(x^6-3x^5+3x^4-x^3+3x^2+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A184633 17.2284  $(-4-12x-24x^2+x^9-28x^3-24x^4-5x^6+3x^7-3x^8)/(x-1)/(x+1)/(x^2+x+1)/(x^6-3x^5+3x^4-x^3+3x^2+1)$  lgdogf  
A184634 11.0868 [  $(x^2+1)*(x^8-3x^7+3x^6-x^5+x^4+4x^2+1)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A184635 11.8188 [  $(x^3-3x^2-x-5)/(x-1)^3$  ogf]  
A184635 27.5926  $8*(x+2)/(x-1)/(x^3-3x^2-x-5)$  lgdogf  
A184635 6.04074 [  $\{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 5, a(1) = 16, a(2) = 36, a(3) = 64\}$ , ogf]  
A184636 10.2091 [  $\{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 3, a(1) = 8, a(2) = 18, a(3) = 32\}$ , ogf]  
A184636 19.8264 [  $(x-3)*(x^2+1)/(x-1)^3$  ogf]  
A184636 50.0379  $4*(x+2)/(x-1)/(x-3)/(1+x^2)$  lgdogf  
A184637 14.7139 [  $(x+1)*(x^5-2x^4+x^3-2x^2-2)/(x^2+x+1)/(x-1)^3$  ogf]  
A184637 17.8235  $(6+12x+18x^3+15x^4+x^6-2x^7+x^8+21x^2)/(x-1)/(x+1)/(x^2+x+1)/(x^5-2x^4+x^3-2x^2-2)$  lgdogf  
A184665 3.41101 [  $-(2304x^6-432x^5-4756x^4+828x^3+1881x^2-240x-150)/(144x^7-36x^6-304x^5+73x^4+123x^3-25x^2-10x+1)$  ogf]  
A184674 18.8120 [  $(x^4-x^3-1)/(x+1)/(x-1)^3$  ogf]  
A184674 24.6045  $-(-2-4x+x^3+x^4-3x^2)/(x-1)/(x+1)/(x^4-x^3-1)$  lgdogf  
A184676 12.6953 [  $(x^3-x^2-1)/(x+1)/(x-1)^3$  ogf]  
A184676 19.7340  $-(-2-6x+x^4+x^2)/(x-1)/(x+1)/(x^3-x^2-1)$  lgdogf  
A184679 10.6825 [  $-4*(24x^2+3x-7)/(2x-1)/(6x^2+3x-1)$  ogf]  
A184679 6.08904 [  $\{a(n+3)-5a(n+2)+12a(n), a(0) = 28, a(1) = 128, a(2) = 544\}$ , ogf]  
A184679 8.52466  $-4*(8-12x+18x^3+72x^4-33x^2)/(-1+2x)/(6x^2+3x-1)/(24x^2+3x-7)$  lgdogf  
A184680 5.83226 [  $-4*(64x^4+100x^3-150x^2+3x+19)/(2x-1)/(8x^4+16x^3-12x^2-5x+1)$  ogf]  
A184681 3.18082 [  $-16*(3072x^6-2688x^5-1692x^4+1974x^3-348x^2-59x+13)/(1536x^7-1392x^6-848x^5+1058x^4-190x^3-51x^2+16x-1)$  ogf]  
A184688 11.7983 [  $-3*(2x-3)/(16x^2-22x+1)$  ogf]  
A184688 13.5857  $-32*(x-1)*(-2+x)/(2x-3)/(16x^2-22x+1)$  lgdogf  
A184688 6.44788 [  $\{-a(n+2)+22a(n+1)-16a(n), a(0) = 9, a(1) = 192\}$ , ogf]  
A184688 9.70406  $-1/4*(-9-22x+3^{(1/2)}*((2x+1)*(70x+27))^{(1/2)})/(3+8x)$  revogf  
A184689 5.95254 [  $-3*(32x^3-58x^2+37x-9)/(256x^4-416x^3+266x^2-61x+1)$  ogf]  
A184704 5.76361 [  $-(x^9-x^8-x^7-x^6-4x^5-4x^4-7x^3-5x^2-5x-2)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A184750 17.8255  $-(32-32x+9x^2)/(x-1)/(9x^2-25x+19)$  lgdogf  
A184750 9.54042 [  $-x^4*(9x^2-25x+19)/(x-1)^3$  ogf]  
A184755 5.20997 [  $\{a(n+3)-5a(n+2)-9a(n+1)-4a(n), a(0) = 4, a(1) = 25, a(2) = 163\}$ , ogf]

A184755 9.32005  $-(x+1)*(8*x^3+32*x^2+51*x+25)/(2*x^2+5*x+4)/(4*x^3+9*x^2+5*x-1)$   
lgdogf  
A184755 9.82207  $[-(2*x^2+5*x+4)/(4*x^3+9*x^2+5*x-1)$  ogf]  
A184756 6.45153  $[-(14*x^3+32*x^2+25*x+8)/(32*x^4+58*x^3+39*x^2+8*x-1)$  ogf]  
A184757 3.83325  $[-(40*x^6-166*x^5+176*x^4+417*x^3+326*x^2+109*x+16)/$   
 $(32*x^7-228*x^6+434*x^5+889*x^4+550*x^3+150*x^2+13*x-1)$  ogf]  
A184765 4.82492  $[{-a(n+3)+5*a(n+2)+8*a(n+1)-24*a(n), a(0) = 64, a(1) = 424, a(2)$   
 $= 2248},$  ogf]  
A184765 7.81095  $-(53+32*x-232*x^2-624*x^3+1152*x^4)/(48*x^2-13*x-8)/$   
 $(24*x^3-8*x^2-5*x+1)$  lgdogf  
A184765 8.56964  $[-8*(48*x^2-13*x-8)/(24*x^3-8*x^2-5*x+1)$  ogf]  
A184766 5.36027  $[-8*(14400*x^3-6111*x^2-26*x+53)/$   
 $(1800*x^4-792*x^3-19*x^2+20*x-1)$  ogf]  
A184877 3.72364  $[{(n^3+8*n^2+21*n+18)*a(n+1)+(n^3+12*n^2+48*n+64)*a(n+2)+(-2-$   
 $n)*a(n+3)+(-n-4)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 9},$  ogf]  
A184878 35.4327  $-8*(288+61*x+x^2)/(x-1)/(x^2+54*x+225)$  lgdogf  
A184878 9.41566  $[x^4*(x^2+54*x+225)/(x-1)^{10}$  ogf]  
A184880 11.0975  $[-(x^2+x-1)/(4*x^3+3*x^2-x-1)/(4*x^3-5*x^2+3*x-1)$  ogf]  
A184880 9.92891  $-(1+40*x^3+25*x^4-142*x^5+56*x^6+64*x^7-17*x^2)/(x^2+x-1)/$   
 $(4*x^3+3*x^2-x-1)/(4*x^3-5*x^2+3*x-1)$  lgdogf  
A184881 10.2014  $1/2*(8*(4*x+1)^{(1/2)}*x-(4*x+1)^{(1/2)}+1+16*x^2)/x/(16*x^2-1-4*x)$   
lgdogf  
A184881 4.03307  $[{(32*n^2-16*n)*a(n)+(4*n^2+6*n-4)*a(n+1)+(-n^2-5*n-6)*a(n+2),$   
 $a(0) = 1, a(1) = -3},$  ogf]  
A184882 22.3767  $-(-7-18*x+x^2)/(x-1)/(x^2-10*x+1)$  lgdogf  
A184882 5.47248  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = -7, a(2) =$   
 $-23},$  ogf]  
A184882 9.97403  $[-(x^2-10*x+1)/(x-1)^3$  ogf]  
A184884 12.2398  $-(-1-2*x+4*x^3-3*x^4-2*x^5+3*x^6-7*x^2)/(x-1)/(x+1)/(x^5-$   
 $x^4+2*x^3+2*x^2+x-1)$  lgdogf  
A184884 13.1068  $[(x-1)*(x+1)/(x^5-x^4+2*x^3+2*x^2+x-1)$  ogf]  
A184887 3.31313  $[{(-2048*n^2-5120*n-3192)*a(n+1)+(n^2+4*n+4)*a(n+2), a(0) = 1,$   
 $a(1) = 120},$  ogf]  
A184888 2.90272  $[{(2048*n^3+9216*n^2+13792*n+6864)*a(n+1)+(-$   
 $n^3-6*n^2-12*n-8)*a(n+2), a(0) = 1, a(1) = 240},$  ogf]  
A184889 3.39734  $[{(-500*n^2-1250*n-780)*a(n+1)+(n^2+4*n+4)*a(n+2), a(0) = 1,$   
 $a(1) = 30},$  ogf]  
A184890 3.00191  $[{(500*n^3+2250*n^2+3370*n+1680)*a(n+1)+(-n^3-6*n^2-12*n-8)*a(n$   
 $+2), a(0) = 1, a(1) = 60},$  ogf]  
A184891 3.37792  $[{(-500*n^2-1250*n-770)*a(n+1)+(n^2+4*n+4)*a(n+2), a(0) = 1,$   
 $a(1) = 20},$  ogf]  
A184892 2.95187  $[{(500*n^3+2250*n^2+3330*n+1620)*a(n+1)+(-n^3-6*n^2-12*n-8)*a(n$   
 $+2), a(0) = 1, a(1) = 40},$  ogf]  
A184895 3.88028  $[{(-1372*n^2-3430*n-2100)*a(n+1)+(n^2+4*n+4)*a(n+2), a(0) = 1,$   
 $a(1) = 42},$  ogf]  
A184896 3.36291  $[{(1372*n^3+6174*n^2+9086*n+4368)*a(n+1)+(-n^3-6*n^2-12*n-8)*a(n$   
 $+2), a(0) = 1, a(1) = 84},$  ogf]  
A184897 3.24638  $[{(-2048*n^2-5120*n-3128)*a(n+1)+(n^2+4*n+4)*a(n+2), a(0) = 1,$   
 $a(1) = 56},$  ogf]  
A184898 2.85539  $[{(2048*n^3+9216*n^2+13536*n+6480)*a(n+1)+(-$   
 $n^3-6*n^2-12*n-8)*a(n+2), a(0) = 1, a(1) = 112},$  ogf]  
A184902 26.3994  $-(-1-x+(1+3*x)^{(1/2)})/(-1+x)$  revogf  
A184902 41.0658  $-(5+x)/(x+2)/(x-1)$  lgdogf  
A184947 16.2845  $I*(I+I*\ln(x-1)*x-I*\ln(x-1)+Pi*x-Pi)/(x-1)$  lgdegf  
A184959 17.0607  $[(x-10)/(x^2+x-1)$  ogf]  
A184959 24.8534  $-(-9-20*x+x^2)/(x-10)/(x^2+x-1)$  lgdogf  
A184959 9.45531  $[{-a(n+2)+a(n+1)+a(n), a(0) = 10, a(1) = 9},$  ogf]  
A184969 7.56121  $[-(x^7+3*x^6+3*x^5+3*x^4+3*x^3+3*x^2+3*x+3)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A184985 15.1306  $[-x*(x^2-x-1)/(x-1)^2$  ogf]  
A184985 36.9435  $-(x-3)/(x-1)/(-1-x+x^2)$  lgdogf



A184985 7.63227 [ $\{-a(n+4)+2*a(n+3)-a(n+2), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 4\}$ , ogf]  
A185000 12.5385 [ $-(1099*x^4+11100*x^3+1101*x^2+111*x+11)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A185000 8.29618  $-3*(37+734*x+734*x^5+3700*x^6+11100*x^2+1480*x^3+111*x^4)/(x-1)/(x+1)/(1099*x^4+11100*x^3+1101*x^2+111*x+11)/(x^2+1)$  lgdogf  
A185010 4.15517 [ $\{(-48*n^2-192*n-180)*a(n+1)+(-8*n^2-44*n-60)*a(n+2)+(n^2+7*n+12)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 14\}$ , ogf]  
A185012 6.26394 [ $\{-a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A185013 5.34523 [ $\{-a(n+4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A185014 4.66153 [ $\{-a(n+5), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1\}$ , ogf]  
A185019 14.0248 [ $-x*(17*x+11)/(x-1)^3$  ogf]  
A185019 29.1493  $-2*(25+17*x)/(17*x+11)/(x-1)$  lgdogf  
A185019 7.32269 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 11, a(2) = 50\}$ , ogf]  
A185020 4.02004 [ $\{(32*n^2+128*n+120)*a(n+1)+(8*n^2+44*n+60)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 12\}$ , ogf]  
A185039 10.1320 [ $-x*(5*x^2+8*x+5)/(x+1)^2/(x-1)^3$  ogf]  
A185039 16.1816  $-(13+43*x+15*x^3+37*x^2)/(x-1)/(x+1)/(5*x^2+8*x+5)$  lgdogf  
A185047 11.3478  $-1/2*(-1-12*x-9*x^2+(-(x+1)*(3*x-1)^3)^{(1/2)})/(3*x+2)^3$  revogf  
A185047 6.06005 [ $\{(-9*n-21)*a(n+1)+(n+4)*a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A185048 8.05192 [ $(x^7+x^6-x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A185049 11.0413  $(x^2+x+1)*(x^6-x^5-3*x^4-5*x^2-3*x-1)/(x-1)/(x+1)/(x^5+x^4+3*x^3+2*x^2+x+1)/(1+x^2)$  lgdogf  
A185049 12.8062 [ $-(x^5+x^4+3*x^3+2*x^2+x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A185055 17.3529 [ $-2*x^2/(5*x-1)/(x-1)^2$  ogf]  
A185055 7.19130 [ $\{a(n+3)-7*a(n+2)+11*a(n+1)-5*a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A185057 7.58392  $(4+8*x+5*x^4-2*x^5-9*x^6+2*x^7+3*x^2+6*x^{11}+3*x^{10})/(x-1)/(x+1)/(1+x+x^3+x^4+x^2)/(3*x^6-x^2-3*x-1)$  lgdogf  
A185057 9.00069 [ $x*(x+1)*(3*x^6-x^2-3*x-1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A185058 8.36264 [ $x*(3*x^8-x^5-x^4-x^3-x^2-4*x-1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A185059 8.64571 [ $-(x^6-x^5+x^4+x-1)/(-x^7+1)$  ogf\_with\_Euler\_transform]  
A185061 10.5401  $(2+8*x+11*x^3-2*x^5-x^6+x^7-7*x^2)/(x-1)/(x+1)/(x^6-x^5-3*x^4+4*x^3-x^2-x-1)$  lgdogf  
A185061 7.49675 [ $(x^6-x^5-3*x^4+4*x^3-x^2-x-1)/(x+1)^2/(x-1)^3$  ogf]  
A185065 13.6293  $-2*(-10-27*x+x^3-24*x^2)/(x-1)/(x^3-17*x^2-5*x-3)$  lgdogf  
A185065 3.60810 [ $\{(121*n^2+635*n+786)*a(n+1)+(-116*n^2-44*n+552)*a(n+2)+(-5*n^2-87*n-154)*a(n+3), a(0) = 0, a(1) = 3, a(2) = 20\}$ , ogf]  
A185065 7.37308 [ $x*(x^3-17*x^2-5*x-3)/(x-1)^5$  ogf]  
A185080 3.87580 [ $\{(-44*n^2-198*n-220)*a(n+1)+(347*n^2+2575*n+4734)*a(n+2)+(-84*n^2-672*n-1260)*a(n+3), a(0) = 7, a(1) = 27, a(2) = 100\}$ , ogf]  
A185087 10.0076  $-(2-x+2*(x-1)^{(1/2)}*(4*x^2+x-1)^{(1/2)})/(x-1)^{(1/2)}/x/(4*x^2+x-1)^{(1/2)}$  lgdogf  
A185087 3.58930 [ $\{-4*n-14)*a(n+1)+(3*n+15)*a(n+2)+(2*n+13)*a(n+3)+(-n-8)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 5\}$ , ogf]  
A185096 12.6347 [ $-12*x*(x+3)*(3*x+1)/(x-1)^5$  ogf]  
A185096 30.2243  $-(25+46*x+9*x^2)/(x-1)/(x+3)/(3*x+1)$  lgdogf  
A185096 5.41488 [ $\{(9+3*n)*a(n+4)+(-11+7*n)*a(n+3)+(-53-7*n)*a(n+2)+(-9-3*n)*a(n+1), a(0) = 0, a(1) = 36, a(2) = 300, a(3) = 1176\}$ , ogf]  
A185098 5.11953 [ $-(8*x^6-36*x^5+22*x^4+67*x^3-82*x^2-20*x+23)/(2*x+1)/(2*x-1)/(4*x-1)/(x-1)^3$  ogf]  
A185108 4.41476 [ $\{(n+4)*a(n+1)+(-n-6)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 5\}$ , ogf]  
A185114 20.9665 [ $-(x^4-x+1)/(x-1)$  ogf]  
A185114 33.5310  $x^3*(-4+3*x)/(x-1)/(x^4-x+1)$  lgdogf  
A185114 8.98566 [ $\{-a(n+5)+a(n+4), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1\}$ , ogf]  
A185115 20.8638 [ $-(x^5-x+1)/(x-1)$  ogf]

A185115 33.5310  $x^4*(-5+4*x)/(x-1)/(x^5-x+1)$  lgdogf  
A185115 8.09370  $[{-a(n+6)+a(n+5), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 1}],$  ogf]  
A185116 20.7610  $[ -(x^6-x+1)/(x-1)$  ogf]  
A185116 33.5310  $x^5*(-6+5*x)/(x-1)/(x^6-x+1)$  lgdogf  
A185116 7.35625  $[{-a(n+7)+a(n+6), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 1}],$  ogf]  
A185117 20.6582  $[ -(x^7-x+1)/(x-1)$  ogf]  
A185117 33.5310  $x^6*(-7+6*x)/(x-1)/(x^7-x+1)$  lgdogf  
A185117 7.15092  $[{a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 0, a(7) = 1}],$  ogf]  
A185118 19.5598  $x^7*(-8+7*x)/(x-1)/(x^2-x+1)/(x^6+x^5-x^3-x^2+1)$  lgdogf  
A185118 20.5554  $[ -(x^2-x+1)*(x^6+x^5-x^3-x^2+1)/(x-1)$  ogf]  
A185118 6.56024  $[{-a(n+1)+a(n), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 0, a(7) = 0, a(8) = 1}],$  ogf]  
A185119 20.4526  $[ -(x^9-x+1)/(x-1)$  ogf]  
A185119 33.5310  $x^8*(-9+8*x)/(x-1)/(x^9-x+1)$  lgdogf  
A185119 6.05506  $[{-a(n+1)+a(n), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 0, a(7) = 0, a(8) = 0, a(9) = 1}],$  ogf]  
A185123 13.8809  $[ (70*x+11)/(10*x-1)/(x-1)$  ogf]  
A185123 14.5302  $-(-191+220*x+700*x^2)/(70*x+11)/(x-1)/(10*x-1)$  lgdogf  
A185123 7.81800  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 11, a(1) = 191}],$  ogf]  
A185127 13.8809  $[ (10*x+11)/(10*x-1)/(x-1)$  ogf]  
A185127 14.5302  $-(-131+220*x+100*x^2)/(10*x+11)/(x-1)/(10*x-1)$  lgdogf  
A185127 7.81800  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 11, a(1) = 131}],$  ogf]  
A185132 3.47259  $[{(12*n+24)*a(n+1)+(40*n+68)*a(n+2)+(-31*n-107)*a(n+3)+(4*n+20)*a(n+4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 4}],$  ogf]  
A185132 30.2295  $-x*(-1+4*x)/(1-4*x+x^2)$  revogf  
A185138 5.73567  $[ -x^2*(3*x^8+x^7+5*x^6+3*x^5+12*x^4+3*x^3+3*x^2+x+1)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
A185151 39.4102  $-1-x^2+\exp(x)$  revegf  
A185170 8.91637  $[ -(3*x^6-x^5+2*x^4-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A185175 8.07720  $[-(x^6+x^5-x^3-x^2+1)/(-x^7+1)$  ogf\_with\_Euler\_transform]  
A185190 46.3259  $-\operatorname{arcsinh}(x)^2+x$  revegf  
A185212 13.0429  $[ -(21*x^2+2*x+1)/(x-1)^3$  ogf]  
A185212 7.15627  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 33}],$  ogf]  
A185220 9.61392  $[ -(-3*x^4-2*x^2-x-3)/(x^5+x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A185247 5.27638  $[{(256*n^3+1152*n^2+1712*n+840)*a(n+1)+(-n^3-14*n^2-59*n-70)*a(n+2), a(0) = 1, a(1) = 1}],$  ogf]  
A185248 4.33654  $[{(64*n^3+480*n^2+1136*n+840)*a(n+1)+(-n^3-12*n^2-44*n-48)*a(n+2), a(0) = 1, a(1) = 8}],$  ogf]  
A185265 10.8183  $-(2+x^8+2*x+10*x^3+6*x^4-4*x^5-2*x^6+2*x^7+4*x^2)/(x+1)/(x^4+x^3+1)/(x^5+x^4+x^2+x-1)$  lgdogf  
A185265 10.9907  $[ -(x+1)*(x^4+x^3+1)/(x^5+x^4+x^2+x-1)$  ogf]  
A185270 5.12380  $[ -648*x*(x+1)*(x^4+56*x^3+246*x^2+56*x+1)/(x-1)^7$  ogf]  
A185273 11.0331  $[ -(x^4+6*x^3+5*x^2+6*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A185276 10.6216  $[ (x^2+x+1)*(x^2-x+1)*(x-1)^2*(x+1)^2/(x^2+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A185284 9.21523  $a(n+2)-27*a(n), a(0)=0, a(1)=2$  lgdogf  
A185292 16.0831  $-4*(1+2*x^3+3*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A185292 25.5811  $[4*x^2-4*x+4$  ogf\_with\_Euler\_transform]  
A185292 6.56455  $[ x^4*(x+1)^4/(x-1)^4/(x^2+x+1)^4$  ogf]  
A185295 8.14451  $[-(x^6-x^4+x^3+x^2-x)/(-x^7+1)$  ogf\_with\_Euler\_transform]  
A185298 11.2682  $-n*a(n)+(-2*n-3+n^2)*a(n+1)+(6*n+4+2*n^2)*a(n+2), a(0)=2, a(1)=2$  lgdegf  
A185308 4.71033  $[{(-n-3)*a(n+1)+(n+3)*a(n+2)-a(n+4)+2*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2}],$  ogf]  
A185309 4.81318  $[{(n+4)*a(n+1)+(-n-4)*a(n+2)+a(n+4)-2*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2}],$  ogf]

A185325 28.6604  $[-x^4/(x-1)$  ogf\_with\_Euler\_transform]  
A185326 29.2877  $[-x^5/(x-1)$  ogf\_with\_Euler\_transform]  
A185327 29.2207  $[-x^6/(x-1)$  ogf\_with\_Euler\_transform]  
A185328 28.9979  $[-x^7/(x-1)$  ogf\_with\_Euler\_transform]  
A185329 29.7395  $[-x^8/(x-1)$  ogf\_with\_Euler\_transform]  
A185338 6.67227  $[-(-2*x^8-x^7-x-2)/(x^{10}-x^8+x^2-1)$  ogf\_with\_Euler\_transform]  
A185346 17.0952  $[(17*x-8)/(2*x-1)/(x-1)$  ogf]  
A185346 9.58998  $[-a(n+2)+3*a(n+1)-2*a(n), a(0) = -8, a(1) = -7]$ , ogf]  
A185355 4.21195  $[(n+3)*a(n+4)+6*n*a(n+3)+(-37-5*n)*a(n+2)+(-6-2*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 12, a(3) = 52]$ , ogf]  
A185355 9.64181  $[-x*(2*x^2+7*x+1)/(x-1)^5$  ogf]  
A185357 17.3456  $[-1/(x^{20}-x^{18}+x^2+x-1)$  ogf]  
A185369 27.8356  $-1/2*x*(-2+x)/(x-1)^2$  lgdegf  
A185375 3.34860  $[( -72*n^2-324*n-360)*a(n+1)+(74*n^2-93*n+91)*a(n+2)+(-2*n^2-3*n-1)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1]$ , ogf]  
A185375 4.78371  $[-x^2*(9*x^4+196*x^3+350*x^2+84*x+1)/(x-1)^7$  ogf]  
A185375 8.16757  $-(91+1204*x+820*x^3+27*x^4+2338*x^2)/(x-1)/(9*x^4+196*x^3+350*x^2+84*x+1)$  lgdogf  
A185392 5.55179  $[(x^{12}+x^{10}+x^9-2*x^8+x^7+x^6-x^5-x^4+2*x^3-x^2+2)/(x+1)/(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A185394 6.98954  $[x*(88*x^5+17*x^4+88*x^3-376*x^2-51*x-152)/(x-1)/(x^6-6*x^3+1)$  ogf]  
A185395 15.4700  $-3*(1+2*x^3+3*x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A185395 24.7757  $[3*x^2-3*x+3$  ogf\_with\_Euler\_transform]  
A185395 7.68754  $[-x^3*(x+1)^3/(x-1)^3/(x^2+x+1)^3$  ogf]  
A185401 3.13572  $[( -1372*n^2-3430*n-2128)*a(n+1)+(n^2+4*n+4)*a(n+2), a(0) = 1, a(1) = 70]$ , ogf]  
A185402 2.73138  $[(1372*n^3+6174*n^2+9198*n+4536)*a(n+1)+(-n^3-6*n^2-12*n-8)*a(n+2), a(0) = 1, a(1) = 140]$ , ogf]  
A185403 3.13572  $[( -1372*n^2-3430*n-2142)*a(n+1)+(n^2+4*n+4)*a(n+2), a(0) = 1, a(1) = 84]$ , ogf]  
A185404 2.74726  $[(1372*n^3+6174*n^2+9254*n+4620)*a(n+1)+(-n^3-6*n^2-12*n-8)*a(n+2), a(0) = 1, a(1) = 168]$ , ogf]  
A185405 4.89622  $[-(42*x^4+29*x^3+16*x^2-2*x-1)/(216*x^5+144*x^4+72*x^3-23*x^2-11*x+1)$  ogf]  
A185437 14.0903  $[(x^2+1)*(x^3-x-1)/(x-1)$  ogf]  
A185437 15.1898  $(2+2*x+4*x^5-5*x^4-x^2)/(-1+x)/(1+x^2)/(x^3-x-1)$  lgdogf  
A185438 14.7980  $[-(11*x^2+4*x+1)/(x-1)^3$  ogf]  
A185438 24.3781  $-(7+30*x+11*x^2)/(x-1)/(11*x^2+4*x+1)$  lgdogf  
A185438 8.11924  $[a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 7, a(2) = 29]$ , ogf]  
A185452 17.9592  $[x*(2*x^2+x+3)/(x-1)^2/(x+1)^2$  ogf]  
A185452 24.0525  $-(1+16*x+3*x^2+4*x^3)/(x-1)/(x+1)/(2*x^2+x+3)$  lgdogf  
A185453 15.9506  $[-(2*x^4+4*x^3+8*x^2+3*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A185453 9.78868  $-(3+16*x+2*x^8+24*x^6+12*x^5+5*x^4+8*x^3+8*x^7+12*x^2)/(x-1)/(x^4+x^3+x^2+x+1)/(2*x^4+4*x^3+8*x^2+3*x+1)$  lgdogf  
A185454 11.3028  $[-(21*x^7+52*x^6+104*x^5+208*x^4+83*x^3+33*x^2+13*x+5)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A185459 6.61802  $-(2*x+1)*(2*x^5+21*x^4+28*x^3+44*x^2+24*x+17)/(2*x^4+5*x^3+13*x^2+9*x+8)/(2*x^4+3*x^3+2*x^2+x-1)$  lgdogf  
A185459 7.28497  $[-2*(2*x^4+5*x^3+13*x^2+9*x+8)/(2*x^4+3*x^3+2*x^2+x-1)$  ogf]  
A185460 4.24307  $[-2*(2*x^9-18*x^8-7*x^7-29*x^6+18*x^5-29*x^4+38*x^3+35*x^2+46*x+17)/(3*x^8-x^6-8*x^5+4*x^4+4*x^3+5*x^2-1)$  ogf]  
A185461 3.55356  $[-2*(32*x^{11}+112*x^{10}+194*x^9+316*x^8+357*x^7+393*x^6+300*x^5+297*x^4+139*x^3+101*x^2+28*x+46)/(2*x^6+4*x^5+2*x^4+3*x^3+2*x^2+2*x-1)$  ogf]  
A185479 5.96089  $[-2*x*(2*x^5+4*x^4-2*x^3+12*x^2+7*x-15)/(2*x^6-3*x^4+5*x^3-x^2-3*x+1)$  ogf]  
A185489 4.20127  $[-4*x*(96*x^6-60*x^5+90*x^4-32*x^3+5*x^2+9*x-6)/(2*x-1)/(32*x^7+8*x^6+16*x^5+16*x^4-4*x^3+5*x^2+x-1)$  ogf]  
A185505 19.1069  $[-(x+1)*(x^2+5*x+1)/(x-1)^5$  ogf]

A185505 35.0197  $-(11+36*x+2*x^3+21*x^2)/(x-1)/(x+1)/(x^2+5*x+1)$  lgdogf  
A185505 9.28659  $[ \{ (-n^2-5*n-6)*a(n+1)+(2*n^2+12*n+38)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 11, a(2) = 51 \}, ogf]$   
A185513 5.17828  $[ \{-a(n+3)+4*a(n+2)+3*a(n+1)-8*a(n), a(0) = 31, a(1) = 143, a(2) = 593 \}, ogf]$   
A185513 8.24558  $-(143+42*x+576*x^4-304*x^3-399*x^2)/(72*x^2-19*x-31)/(8*x^3-3*x^2-4*x+1)$  lgdogf  
A185513 9.46655  $[ -(72*x^2-19*x-31)/(8*x^3-3*x^2-4*x+1)$  ogf]  
A185514 5.94060  $[ -(6048*x^3-3934*x^2-227*x+143)/(224*x^4-154*x^3-11*x^2+12*x-1)$  ogf]  
A185526 4.89302  $[ \{ a(n+3)-3*a(n+2)-2*a(n+1)-12*a(n), a(0) = 174, a(1) = 726, a(2) = 3030 \}, ogf]$   
A185526 7.66907  $-(121+284*x+816*x^3+1008*x^4+860*x^2)/(84*x^2+34*x+29)/(12*x^3+2*x^2+3*x-1)$  lgdogf  
A185526 8.63475  $[ -6*(84*x^2+34*x+29)/(12*x^3+2*x^2+3*x-1)$  ogf]  
A185535 5.54951  $[ -(30*x^4+19*x^3+8*x^2-2*x-1)/(125*x^5+75*x^4+25*x^3-19*x^2-9*x+1)$  ogf]  
A185552 5.48876  $-(2*x+1)*(24*x^7-4*x^6-22*x^5+21*x^4+16*x^3-x^2+12*x+5)/(x-1)/(6*x^3+7*x^2+3*x+1)/(8*x^5-8*x^3-7*x^2-3*x+1)$  lgdogf  
A185552 7.05485  $[ -(x-1)*(6*x^3+7*x^2+3*x+1)/(8*x^5-8*x^3-7*x^2-3*x+1)$  ogf]  
A185561 10.7178  $[ -4*(3*x-4)/(45*x^2-57*x+1)$  ogf]  
A185561 12.5516  $-45*(x-1)*(3*x-5)/(3*x-4)/(45*x^2-57*x+1)$  lgdogf  
A185561 6.03647  $[ \{-a(n+2)+57*a(n+1)-45*a(n), a(0) = 16, a(1) = 900 \}, ogf]$   
A185561 9.89648  $-1/6*(-16-57*x+(256+1776*x+3069*x^2)^{(1/2)})/(4+15*x)$  revogf  
A185562 5.15292  $[ -4*(135*x^3-201*x^2+97*x-16)/(2025*x^4-2835*x^3+1371*x^2-217*x+1)$  ogf]  
A185590 7.27514  $[ -(66*x^{11}+99*x^{10}+74*x^9+111*x^8+83*x^7+62*x^6+93*x^5+70*x^4+105*x^3+79*x^2+59*x+44)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A185594 7.08490  $[ (x^9-3*x^8-2*x^7-3*x^6-3*x^5-3*x^4-3*x^3-3*x^2-4*x-1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^3$  ogf]  
A185619 11.5880  $-(1+5*x^4+2*x^5+22*x^2)/(x^2+4*x-1)/(x^4-x^3+5*x^2+x+1)$  lgdogf  
A185647 12.3976  $[ (2*x+1)*(2*x^2+1)/(x-1)/(x+1)/(2*x^2-1)$  ogf]  
A185653 17.5757  $[ -(-6*x-9)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A185654 14.4038  $[ -(-3*x^2-4*x-4)/(x^3-1)$  ogf\_with\_Euler\_transform]  
A185669 17.0805  $[ -(3*x^2+3*x+2)/(x-1)^3$  ogf]  
A185669 30.1728  $-3*(x+3)*(x+1)/(x-1)/(3*x^2+3*x+2)$  lgdogf  
A185669 9.22044  $[ \{ a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2, a(1) = 9, a(2) = 24 \}, ogf]$   
A185691 15.6060  $[ -(11*x+10)/(x^2+x-1)$  ogf]  
A185691 19.4426  $-(21+20*x+11*x^2)/(11*x+10)/(x^2+x-1)$  lgdogf  
A185691 8.73194  $[ \{ a(n+2)-a(n+1)-a(n), a(0) = 10, a(1) = 21 \}, ogf]$   
A185706 11.0674  $[ x^9/(-x^{50}+x^{40}-x^{30}+x^{20}+1)$  ogf\_with\_Euler\_transform]  
A185708 9.00414  $[ -(-2*x^{39}-x^9)/(x^{40}+x^{30}+x^{10}+1)$  ogf\_with\_Euler\_transform]  
A185717 9.26635  $[ -(-4*x^4-x^3-x^2-3*x-3)/(x^5+x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A185727 8.15930  $[ x*(x^{10}+x^9+4*x^8+2*x^7+7*x^6+x^5+8*x^4+2*x^3+5*x^2+x+2)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2$  ogf]  
A185742 8.00485  $-(5+6*x-32*x^2+112*x^3-108*x^4+96*x^5)/(6*x^2-4*x+3)/(8*x^4-2*x^3-x^2+3*x-1)$  lgdogf  
A185742 8.13191  $[ -8*x*(6*x^2-4*x+3)/(8*x^4-2*x^3-x^2+3*x-1)$  ogf]  
A185761 14.3495  $[ -8*(3*x+2)/(4*x^2+x-1)$  ogf]  
A185761 15.7475  $1/8*(-16-x+(256+128*x+17*x^2)^{(1/2)})/(6+x)$  revogf  
A185761 18.3721  $-(6*x+5)*(2*x+1)/(3*x+2)/(4*x^2+x-1)$  lgdogf  
A185761 8.02889  $[ \{-a(n+2)+a(n+1)+4*a(n), a(0) = 16, a(1) = 40 \}, ogf]$   
A185762 10.5935  $[ -8*(x^2+10*x+5)/(x^3+6*x^2+x-1)$  ogf]  
A185762 11.4856  $-(15+62*x+20*x^3+x^4+74*x^2)/(x^2+10*x+5)/(x^3+6*x^2+x-1)$  lgdogf  
A185762 5.70419  $[ \{ a(n+3)-a(n+2)-6*a(n+1)-a(n), a(0) = 40, a(1) = 120, a(2) = 368 \}, ogf]$   
A185763 5.69402  $(46+260*x+2*x^8-26*x^7+89*x^6-4*x^5-296*x^4-2*x^3+399*x^2)/(x^5-5*x^4+3*x^3+10*x^2+x-1)/(x^5-7*x^4+16*x^3-33*x-13)$  lgdogf

A185763 6.54934 [  $8*(x^5-7*x^4+16*x^3-33*x-13)/(x^5-5*x^4+3*x^3+10*x^2+x-1)$  ogf]  
A185764 3.52967 [  $8*(18*x^8+81*x^7+43*x^6+5*x^5-69*x^4-249*x^3-43*x^2+108*x+33)/(6*x^7-x^6+x^5+22*x^4-9*x^3-17*x^2-x+1)$  ogf]  
A185771 3.32032 [ -  
(155520\*x^8+177120\*x^7+25200\*x^6-21720\*x^5-11880\*x^4-7476\*x^3-2170\*x^2-315\*x-81)  
/(24\*x^3+24\*x^2+3\*x-1)/(576\*x^6-72\*x^4-24\*x^2-1) ogf]  
A185787 15.5346 [  $(3*x^2+3*x+1)/(x-1)^4$  ogf]  
A185787 30.1784  $-(7+15*x+6*x^2)/(x-1)/(3*x^2+3*x+1)$  lgdogf  
A185787 5.85732 [  $\{(-n-4)*a(n+4)+(1-2*n)*a(n+3)+15*a(n+2)+(9+3*n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 25, a(3) = 62\}$ , ogf]  
A185788 14.4692 [  $x*(x^2+4*x+2)/(x-1)^4$  ogf]  
A185788 32.6409  $-2*(x+6)*(x+1)/(x-1)/(x^2+4*x+2)$  lgdogf  
A185788 5.33460 [  $\{(6+2*n)*a(n+4)+(-8+2*n)*a(n+3)+(-17-3*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 12, a(3) = 37\}$ , ogf]  
A185790 5.12343 [  $\{a(n+4)-a(n+3)-4*a(n+1)-16*a(n), a(0) = 16, a(1) = 40, a(2) = 100, a(3) = 260\}$ , ogf]  
A185790 7.00145  $-(10+30*x+384*x^6+480*x^5+105*x^2+256*x^3+348*x^4)/(24*x^3+15*x^2+6*x+4)/(4*x^2+x-1)/(4*x^2+1)$  lgdogf  
A185790 9.06985 [  $-4*(24*x^3+15*x^2+6*x+4)/(4*x^2+1)/(4*x^2+x-1)$  ogf]  
A185791 5.91071  $-4*(3+8*x-160*x^7+128*x^8-32*x^5+8*x^6+38*x^3-2*x^4+17*x^2)/(32*x^4-20*x^3-6*x^2-7*x-5)/(16*x^5-16*x^4-2*x^2-x+1)$  lgdogf  
A185791 7.24407 [  $-8*(32*x^4-20*x^3-6*x^2-7*x-5)/(16*x^5-16*x^4-2*x^2-x+1)$  ogf]  
A185799 3.48426 [  $-64*x*(1008*x^6-1536*x^5+1730*x^4-934*x^3+375*x^2-76*x+11)/(3456*x^8-4944*x^7+5260*x^6-2466*x^5+799*x^4-54*x^3-21*x^2+10*x-1)$  ogf]  
A185818 7.02332 [  $-(20*x^4+11*x^3+2*x^2-2*x-1)/(64*x^5+32*x^4-15*x^2-7*x+1)$  ogf]  
A185828 8.67226  $-(3+8*x-5*x^2+5*x^4+8*x^3-6*x^5+2*x^6)/(x^2+x+1)/(x^2-3*x+1)$  lgdogf  
A185828 8.95799 [  $-(2*x^3-3*x^2-x-1)/(x^2+x+1)/(x^2-3*x+1)$  ogf]  
A185837 4.57747 [  $-9*x*(180*x^4-210*x^3+205*x^2-69*x+19)/(144*x^6-144*x^5+120*x^4-15*x^3-6*x^2+6*x-1)$  ogf]  
A185848 3.33887 [ -  
(3024\*x^7+4068\*x^6-2586\*x^5-5490\*x^4-3255\*x^3-1432\*x^2-387\*x-81)/  
(288\*x^8+336\*x^7-324\*x^6-510\*x^5-252\*x^4-99\*x^3-20\*x^2-3\*x+1) ogf]  
A185858 12.5155 [  $-2*(3*x+2)/(9*x^2+4*x-1)$  ogf]  
A185858 13.1242  $1/3*(-2-2*x+(4+14*x+13*x^2)^{1/2})/(2+3*x)$  revogf  
A185858 14.1337  $-(11+36*x+27*x^2)/(3*x+2)/(9*x^2+4*x-1)$  lgdogf  
A185858 6.78551 [  $\{-a(n+2)+4*a(n+1)+9*a(n), a(0) = 4, a(1) = 22\}$ , ogf]  
A185859 6.00435 [  $-2*(12*x^4-42*x^3+52*x^2-16*x-11)/(6*x^5-24*x^4+36*x^3-17*x^2-6*x+1)$  ogf]  
A185883 5.53384 [  $-3*(294*x^3+351*x^2+106*x+9)/(756*x^4+846*x^3+221*x^2+10*x-1)$  ogf]  
A185899 5.06709 [  $-(56*x^4+41*x^3+26*x^2-2*x-1)/(343*x^5+245*x^4+147*x^3-27*x^2-13*x+1)$  ogf]  
A185906 30.6870  $(-1-2*x+4*x^3)/(x-1)/(x^3+x^2-1)$  lgdogf  
A185906 6.13228 [  $\{a(n+5), a(0) = 1, a(1) = -1, a(2) = -1, a(3) = 0, a(4) = 1\}$ , ogf]  
A185918 14.2814 [  $-(x+1)*(13*x-1)/(x-1)^3$  ogf]  
A185918 24.0066  $-(9+50*x+13*x^2)/(x-1)/(13*x-1)/(x+1)$  lgdogf  
A185918 7.96221 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = -1, a(1) = 9, a(2) = 43\}$ , ogf]  
A185925 5.24139 [  $-64*(42*x^3+64*x^2+29*x+4)/(144*x^4+206*x^3+81*x^2+6*x-1)$  ogf]  
A185939 16.7231  $-2*(13+13*x+x^2)/(x+5)/(x-1)/(1+2*x)$  lgdogf  
A185939 5.40671 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 26, a(2) = 65\}$ , ogf]  
A185939 9.94137 [  $-(x+5)*(2*x+1)/(x-1)^3$  ogf]  
A185940 10.1265  $-(37-216*x+144*x^4-420*x^3+457*x^2)/(x-1)/(3*x-1)/(2*x-1)/(24*x^2-35*x+12)$  lgdogf  
A185940 11.7292 [  $-2*(24*x^2-35*x+12)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A185940 6.51620 [  $\{a(n+3)-6*a(n+2)+11*a(n+1)-6*a(n), a(0) = 24, a(1) = 74, a(2) = 228\}$ , ogf]  
A185950 16.9490 [  $-(4*x^2+5*x-1)/(x-1)^3$  ogf]

A185950 28.3853  $-2*(1+9*x+2*x^2)/(x-1)/(4*x^2+5*x-1)$  lgdogf  
A185950 9.14947  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = -1, a(1) = 2, a(2) = 13}],$  ogf]  
A185963 11.8528  $[ -(x-1)^2/(x^3-3*x^2+2*x-1)$  ogf]  
A185963 20.1470  $-x*(4+x^2-3*x)/(-1+x)/(x^3-3*x^2+2*x-1)$  lgdogf  
A185963 6.51369  $[{a(n+3)-2*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = -2}],$  ogf]  
A185964 13.8498  $-(1-x+2*x^4-6*x^3+6*x^2)/(-1+x)/(x^4-2*x^3+x-1)$  lgdogf  
A185964 9.48544  $[ -(x-1)^2/(x^4-2*x^3+x-1)$  ogf]  
A185966 40.1534  $x*(1-x+x^2)/(x-1)^2,$  revogf  
A185985 7.53912  $-2*(9*x+1)*(27*x^4-36*x^3+42*x^2-19*x+7)/(9*x^2-6*x+5)/$   
 $(27*x^4-12*x^3+7*x^2+4*x-1)$  lgdogf  
A185985 8.04463  $[ -2*x*(9*x^2-6*x+5)/(27*x^4-12*x^3+7*x^2+4*x-1)$  ogf]  
A186011 4.39122  $[ -2*(5400*x^4+7272*x^3+2718*x^2+367*x+16)/$   
 $(19440*x^5+25452*x^4+9060*x^3+1101*x^2+32*x-1)$  ogf]  
A186025 12.0550  $-x*(2+x^3-4*x)/(x-1)/(x^2-3*x+1)/(x^3-3*x^2+4*x-1)$  lgdogf  
A186025 5.16662  $[{-a(n+4)+4*a(n+3)-4*a(n+2)+a(n+1), a(0) = 1, a(1) = 0, a(2) =$   
 $-1, a(3) = -4}],$  ogf]  
A186025 9.80909  $[ (x^3-3*x^2+4*x-1)/(x-1)/(x^2-3*x+1)$  ogf]  
A186029 14.3199  $[ -x*(2*x+5)/(x-1)^3$  ogf]  
A186029 34.9861  $-(17+4*x)/(2*x+5)/(x-1)$  lgdogf  
A186029 7.28779  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 17}],$  ogf]  
A186030 13.1972  $[ -x*(8*x+5)/(x-1)^3$  ogf]  
A186030 30.8732  $-(23+16*x)/(8*x+5)/(x-1)$  lgdogf  
A186030 6.71643  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 23}],$  ogf]  
A186044 4.38072  $[ -2*(2304*x^5+1056*x^4+1412*x^3-368*x^2-174*x-169)/$   
 $(72*x^6+24*x^5+40*x^4-18*x^3-4*x^2-5*x+1)$  ogf]  
A186055 4.73859  $[ -3*(22*x^6-25*x^5+13*x^4-15*x^3+57*x^2+31*x+29)/$   
 $(2*x^7-3*x^6+2*x^5-2*x^4+6*x^3+x^2+2*x-1)$  ogf]  
A186069 9.44805  $(f(x)-2)^4$  lgdogf  
A186070 5.82243  $(f(x)-1)^4$  lgdegf  
A186101 11.7013  $[ x*(x^2+1)*(x+1)^2/(x-1)^2/(x^2+x+1)^2$  ogf]  
A186101 14.8021  $-2*(1+x+5*x^2+x^5+2*x^3+2*x^4)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A186101 27.2152  $[-x^3+2*x^2-x+2$  ogf\_with\_Euler\_transform]  
A186101 7.09446  $[{(n+4)*a(n+1)+(-n-1)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 2}],$  ogf]  
A186111 13.8995  $[-(-3-6*x-12*x^2+2*x^5-4*x^3-x^4)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A186111 25.7590  $[2*x^3-x^2-3$  ogf\_with\_Euler\_transform]  
A186111 8.06352  $[ (x^2+x+1)*(x-1)^2/(x^2+1)^2/(x+1)^2$  ogf]  
A186113 18.1751  $[ (7*x+6)/(x-1)^2$  ogf]  
A186113 34.8695  $-(19+7*x)/(7*x+6)/(x-1)$  lgdogf  
A186113 9.85398  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 6, a(1) = 19}],$  ogf]  
A186120 7.80113  $[ -2*x*(8*x^4-4*x^3+2*x^2+12*x-7)/(2*x-1)/$   
 $(2*x^4-2*x^3+2*x^2+x-1)$  ogf]  
A186121 3.76160  $[ -2*(64*x^8+72*x^7+4*x^6-14*x^5-52*x^4-40*x^3+27*x^2+16*x-7)/$   
 $(2*x-1)/(8*x^8+12*x^7+2*x^6-2*x^5-8*x^4-7*x^3+3*x^2+3*x-1)$  ogf]  
A186133 5.20184  $[{a(n+3)-3*a(n+2)-24*a(n+1)-24*a(n), a(0) = 81, a(1) = 558, a(2) = 3888}],$  ogf]  
A186133 8.16591  $-2*(3*x+1)*(120*x^3+240*x^2+153*x+31)/(30*x^2+35*x+9)/$   
 $(24*x^3+24*x^2+3*x-1)$  lgdogf  
A186133 9.17972  $[ -9*(30*x^2+35*x+9)/(24*x^3+24*x^2+3*x-1)$  ogf]  
A186161 5.92905  $[ -(12*x^4+5*x^3-2*x^2-2*x-1)/(27*x^5+9*x^4-9*x^3-11*x^2-5*x+1)$  ogf]  
A186181 15.2507  $[ -(x^2+x+1)^2/(x-1)/(x+1)/(x^2+1)$  ogf]  
A186181 19.4536  $-2*(1+2*x+x^4+2*x^3)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A186181 34.1122  $[x^3-2*x^2+2$  ogf\_with\_Euler\_transform]  
A186187 11.0532  $-2*(1-2*x+6*x^2+x^8-2*x^7+6*x^6-6*x^5+6*x^4-6*x^3)/(x-1)/(x+1)/$

$(1+x^2)/(x^2-x+1)/(1+x^4)$  lgdogf  
A186187 24.1282 [x^7-2\*x^5+2\*x^2-2\*x+2 ogf\_with\_Euler\_transform]  
A186187 8.47259 [ -(x^2-x+1)^2\*(x+1)^3/(x-1)/(x^4+1)/(x^2+1) ogf]  
A186194 4.78945 [{a(n+3)-111\*a(n+2)+1110\*a(n+1)-1000\*a(n), a(0) = 0, a(1) = 2, a(2) = 132}, ogf]  
A186194 8.52834 -6\*(-11+370\*x-8825\*x^2+15000\*x^3)/(x-1)/(100\*x-1)/(10\*x-1)/(45\*x-1) lgdogf  
A186194 8.78065 [ 2\*x\*(45\*x-1)/(x-1)/(100\*x-1)/(10\*x-1) ogf]  
A186195 12.5137 1/2\*(x-1+(9\*x^2+2\*x+1)^(1/2))/(9\*x^2+2\*x+1)^(1/2)/x/(2\*x+1) lgdogf  
A186195 4.14517 [{18\*a(n)\*n+(13\*n+6)\*a(n+1)+(4\*n+9)\*a(n+2)+(n+3)\*a(n+3), a(0) = 1, a(1) = 1, a(2) = 0}, ogf]  
A186209 16.6573 [-12\*x^10-12/(x-1) ogf\_with\_Euler\_transform]  
A186229 6.65989 [ {(-48\*n^2-176\*n-156)\*a(n+1)+(3\*n^2+13\*n+12)\*a(n+2), a(0) = 1, a(1) = 14}, ogf]  
A186231 6.81393 [ {(-32\*n^2-128\*n-126)\*a(n+1)+(2\*n^2+9\*n+9)\*a(n+2), a(0) = 1, a(1) = 15}, ogf]  
A186235 11.9591 -2\*(9+48\*x+30\*x^2+23\*x^3+2\*x^4)/(x-1)/(x+1)/(x^3+9\*x^2+8\*x+10) lgdogf  
A186235 7.41392 [ (x^3+9\*x^2+8\*x+10)/(x+1)^3/(x-1)^4 ogf]  
A186239 30.6840 x/(1+x+x^2+2\*x^3), revogf  
A186240 14.8538 x/(1+x+x^2+3\*x^3), revogf  
A186244 16.1427 [ x^2/(3\*x-1)/(2\*x^2+2\*x-1) ogf]  
A186244 18.4553 -(-5+8\*x+18\*x^2)/(3\*x-1)/(-1+2\*x+2\*x^2) lgdogf  
A186244 6.60382 [ {-a(n+3)+5\*a(n+2)-4\*a(n+1)-6\*a(n), a(0) = 0, a(1) = 0, a(2) = 1}, ogf]  
A186246 6.87489 [ {(-4\*n^2-14\*n-12)\*a(n+1)-a(n+2), a(0) = -1, a(1) = 2}, ogf]  
A186262 4.62934 [ {(16\*n^3+112\*n^2+252\*n+180)\*a(n+1)+(-n^3-11\*n^2-38\*n-40)\*a(n+2), a(0) = 1, a(1) = 2}, ogf]  
A186264 5.50450 [ {(16\*n^2+80\*n+100)\*a(n+1)+(-n^2-9\*n-20)\*a(n+2), a(0) = 1, a(1) = 3}, ogf]  
A186264 6.68021 [-3/4\*hypergeom([5/2, 5/2],[2],16\*x)\*(16\*x-1)^3/x^2+1/4\*(-6\*x-3)/x^2 ogf]  
A186266 14.6137 [hypergeom([1/2, 3/2],[4],16\*x) ogf]  
A186266 5.89262 [ {(-16\*n^2-64\*n-60)\*a(n+1)+(n^2+7\*n+10)\*a(n+2), a(0) = 1, a(1) = 3}, ogf]  
A186272 7.86489 [ (x-1)\*(x+1)\*(x^4+2\*x^3+x-1)/(x^2+x-1)/(x^3+x^2+x-1) ogf]  
A186314 17.4544 [ -x^2/(3\*x-1)/(x^2-3\*x+1) ogf]  
A186314 20.7548 -(6-20\*x+9\*x^2)/(3\*x-1)/(x^2-3\*x+1) lgdogf  
A186314 6.60436 [ {a(n+3)-6\*a(n+2)+10\*a(n+1)-3\*a(n), a(0) = 0, a(1) = 0, a(2) = 1}, ogf]  
A186335 18.0284 -(2\*x-1)\*(5\*x^2+7\*x+1)/(5\*x^2+x-1)/(x^2+x-1) lgdogf  
A186338 13.0011 1/4+3/4\*x-1/2\*x^2-1/4\*(1-2\*x+13\*x^2-12\*x^3+4\*x^4)^(1/2) revogf  
A186347 17.5425 [ (x^4-x^2-1)/(x^2+1)/(x+1)/(x-1)^3 ogf]  
A186347 20.9421 -2\*(-1-2\*x-2\*x^2+x^6-2\*x^3-x^5+x^7)/(x-1)/(x+1)/(x^2+1)/(x^4-x^2-1) lgdogf  
A186349 14.6489 [ (x^5-x^4+x^3-x^2-1)/(x^2+1)/(x+1)/(x-1)^3 ogf]  
A186349 17.1112 -(-2-4\*x-x^2+3\*x^6-10\*x^3+3\*x^4-2\*x^5+x^8)/(x-1)/(x+1)/(x^2+1)/(x^5-x^4+x^3-x^2-1) lgdogf  
A186351 15.0858 [ (x^3-2\*x^2+2\*x-2)/(x^2+1)/(x-1)^3 ogf]  
A186351 19.1670 -(-4+4\*x-11\*x^2+8\*x^3-5\*x^4+2\*x^5)/(x-1)/(x^2+1)/(x^3-2\*x^2+2\*x-2) lgdogf  
A186351 5.43343 [ {(n^2+13\*n+38)\*a(n+1)+(-n^2-11\*n-26)\*a(n+2)+(n^2+13\*n+38)\*a(n+3)+(-n^2-11\*n-26)\*a(n+4), a(0) = 2, a(1) = 4, a(2) = 6, a(3) = 9}, ogf]  
A186353 20.3374 [ (x^3-x^2-1)/(x^2+1)/(x-1)^3 ogf]  
A186353 33.2526 -(-3-3\*x^2-2\*x^4+2\*x^5)/(x-1)/(1+x^2)/(x^3-x^2-1) lgdogf  
A186353 6.98021 [ {(n^2+13\*n+36)\*a(n+1)+(-n^2-11\*n-24)\*a(n+2)+(n^2+13\*n+36)\*a(n+3)+(-n^2-11\*n-24)\*a(n+4), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 9}, ogf]  
A186355 18.9822 [ (x^3-x-1)/(x^2+x+1)/(x-1)^3 ogf]  
A186355 24.4722 -(-3-4\*x-4\*x^2-2\*x^3+2\*x^4+2\*x^5)/(x-1)/(1+x+x^2)/(x^3-x-1) lgdogf

A186355 6.70472 [  $\{(n^2+15n+44)*a(n+1)+(2n+14)*a(n+2)+(2n+14)*a(n+3)+(-n^2-13n-30)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 7\}$ , ogf]  
A186357 19.6102 [  $(x^4-x^2-1)/(x^2+x+1)/(x-1)^3$  ogf]  
A186357 26.1739  $-(x^2+2)*(x^4+2*x^3-3*x^2-2*x-1)/(x-1)/(1+x+x^2)/(x^4-x^2-1)$  lgdogf  
A186359 4.20001 [  $\{(-n-2)*a(n+1)+a(n+2)+(-n-4)*a(n+3)+a(n+4), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A186371 12.1510 [  $1/6*x*(x^2-3*x+6)/(x-1)^2$  egf]  
A186371 25.7516  $(-9+x)/(x-1)/(x^2-3*x+6)$  lgdegf  
A186371 3.18895 [  $\{(n^2+2*n)*a(n+1)+(-3*n^2-16*n-14)*a(n+2)+(4*n^2+35*n+66)*a(n+3)+(-12-4*n)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 13\}$ , ogf]  
A186375 3.01536 [  $\{(-64*n^2-256*n-252)*a(n+1)+(20*n^2+100*n+126)*a(n+2)+(-n^2-6*n-9)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 54\}$ , ogf]  
A186380 9.71107 [  $(x^7-x^6+x^5-2*x^4+2*x^3-2*x^2+x-1)/(x^4+1)/(x^2+1)/(x-1)^3$  ogf]  
A186382 10.0618 [  $(x^8-x^7+x^5-2*x^4+2*x^3-2*x^2+x-1)/(x^4+1)/(x^2+1)/(x-1)^3$  ogf]  
A186384 16.7163  $-(-2-4*x-4*x^2-3*x^6-4*x^3-4*x^4+2*x^7+2*x^8+2*x^9)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5-x^2-1)$  lgdogf  
A186384 18.1762 [  $(x^5-x^2-1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A186386 15.4014 [  $(x^2-x+1)*(x^4+x^3-x^2-x-1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A186388 9.48233 [  $(x^9-2*x^6+x^5-x^4+2*x^3-x^2-1)/(x^2+1)/(x^2+x+1)/(x^4-x^2+1)/(x-1)^3$  ogf]  
A186390 14.1896  $-(-2-2*x-9*x^2-3*x^6-4*x^3-12*x^4+4*x^5+6*x^7+x^8+2*x^9+x^{10})/(x-1)/(x^2+1)/(1+x+x^2)/(x^6-x^2-1)$  lgdogf  
A186390 14.3733 [  $(x^6-x^2-1)/(x^2+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A186414 3.61393 [  $\{(64*n^3+288*n^2+432*n+216)*a(n+1)+(-n^3-8*n^2-21*n-18)*a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A186415 5.80766 [  $\{(64*n^3+288*n^2+432*n+216)*a(n+1)+(-n^3-7*n^2-16*n-12)*a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A186416 4.49981 [  $\{(-256*n^4-1536*n^3-3456*n^2-3456*n-1296)*a(n+1)+(n^4+11*n^3+45*n^2+81*n+54)*a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A186417 4.82239 [  $-(x^2+x)/(x-1)$  ogf\_with\_Euler\_transform]  
A186418 2.93401 [  $\{(-256*n^4-1536*n^3-3456*n^2-3456*n-1296)*a(n+1)+(n^4+10*n^3+37*n^2+60*n+36)*a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A186419 3.68551 [  $\{(-256*n^4-1536*n^3-3456*n^2-3456*n-1296)*a(n+1)+(n^4+9*n^3+30*n^2+44*n+24)*a(n+2), a(0) = 1, a(1) = 8\}$ , ogf]  
A186420 3.88685 [  $\{(-256*n^4-1536*n^3-3456*n^2-3456*n-1296)*a(n+1)+(n^4+8*n^3+24*n^2+32*n+16)*a(n+2), a(0) = 1, a(1) = 16\}$ , ogf]  
A186421 14.2356  $-2*(1+x+5*x^2+3*x^6+5*x^3+7*x^4+x^5+x^7)/(x-1)/(x+1)/(x^2+1)/(x^4+2*x^3+2*x+1)$  lgdogf  
A186421 14.5949 [  $x*(x^4+2*x^3+2*x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A186422 15.0904 [  $-(x^4+2*x^3+2*x+1)/(x-1)/(x^2+1)/(x+1)^2$  ogf]  
A186422 15.8577  $-(1-x+7*x^2+3*x^6+5*x^3+9*x^4-x^5+x^7)/(x-1)/(x+1)/(x^2+1)/(x^4+2*x^3+2*x+1)$  lgdogf  
A186423 11.7470  $-(3+5*x+13*x^2+9*x^6+15*x^3+19*x^4+5*x^5+3*x^7)/(x-1)/(x+1)/(x^2+1)/(x^4+2*x^3+2*x+1)$  lgdogf  
A186423 9.62781 [  $-x*(x^4+2*x^3+2*x+1)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A186424 12.0762  $-(3+19*x+20*x^2+24*x^3+5*x^4+x^5)/(x-1)/(x+1)/(x^4+2*x^3+6*x^2+2*x+1)$  lgdogf  
A186424 9.12804 [  $-(x^4+2*x^3+6*x^2+2*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A186438 9.38977 [  $2*(5*x^6+x^5+4*x^4+5*x^3+4*x^2+x+5)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A186439 8.60684 [  $2*(x^4+x^3+x^2+x+1)*(19*x^2+12*x+19)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A186444 7.51563 [  $x^2*(x^{24}+x^{21}+x^{18}+x^{12}+x^9+x^3+1)/(x^2+x+1)/(x^6+x^3+1)/(x^{18}+x^9+1)/(x-1)^2$  ogf]  
A186445 16.5174 [  $-(x^4-x+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A186446 19.1897 [  $1/(2*x^2-7*x+1)$  ogf]  
A186446 27.0036  $-(-7+4*x)/(2*x^2+1-7*x)$  lgdogf  
A186446 7.72268 [  $\{-a(n+2)+7*a(n+1)-2*a(n), a(0) = 1, a(1) = 7\}$ , ogf]



A186454 7.21425 [  $(x^7+2x^6-3x^5-6x^4+9x^3-11x+16)/(x-1)/(x^4-x^3+x^2+x-1)$  ogf ]  
A186455 6.33496 [  $(4x^7+2x^6+4x^5-30x^4+28x^3-9x^2-12x+21)/(x-1)/(x^4-x^3+x^2+x-1)$  ogf ]  
A186456 5.75232 [  $(16x^8-7x^7+19x^6-16x^5-36x^4+24x^3+9x^2-33x+42)/(x-1)/(x^4-x^3+x^2+x-1)$  ogf ]  
A186457 5.33409 [  $(64x^9-28x^8+45x^7-19x^6-16x^5-115x^4+107x^3-14x^2-34x+61)/(x-1)/(x^4-x^3+x^2+x-1)$  ogf ]  
A186458 4.82893 [  $(144x^{10}-44x^9+88x^8-111x^7+45x^6-143x^5-57x^4+121x^3+14x^2-84x+106)/(x-1)/(x^4-x^3+x^2+x-1)$  ogf ]  
A186459 4.50124 [  $(324x^{11}-128x^{10}+260x^9-344x^8+61x^7-190x^6+52x^5-193x^4+251x^3-32x^2-105x+151)/(x-1)/(x^4-x^3+x^2+x-1)$  ogf ]  
A186460 4.08154 [  $(784x^{12}-300x^{11}+484x^{10}-640x^9-36x^8-547x^7+369x^6-144x^5-115x^4+255x^3+6x^2-198x+245)/(x-1)/(x^4-x^3+x^2+x-1)$  ogf ]  
A186461 3.65182 [  $(1936x^{13}-780x^{12}+1200x^{11}-1624x^{10}-12x^9-1432x^8+641x^7+30x^6+244x^5-505x^4+519x^3-68x^2-261x+359)/(x-1)/(x^4-x^3+x^2+x-1)$  ogf ]  
A186464 4.97879 [  $(x^9-2x^8+26x^7-4x^6-40x^5-37x^4+54x^3+30x^2-79x+81)/(x-1)/(2x^4-2x^3+2x^2+x-1)$  ogf ]  
A186465 4.61610 [  $(x^{10}-2x^9+4x^8+12x^7+60x^6+8x^5-280x^4+279x^3-98x^2-37x+83)/(x-1)/(2x^4-2x^3+2x^2+x-1)$  ogf ]  
A186466 4.16032 [  $(x^{11}-2x^{10}+4x^9+176x^8-170x^7+276x^6-210x^5-294x^4+184x^3+179x^2-311x+277)/(x-1)/(2x^4-2x^3+2x^2+x-1)$  ogf ]  
A186467 3.64834 [  $(9x^{12}-18x^{11}+36x^{10}+1364x^9-1350x^8+1428x^7-604x^6+196x^5-1920x^4+1686x^3-288x^2-172x+367)/(x-1)/(2x^4-2x^3+2x^2+x-1)$  ogf ]  
A186474 4.01898 [  $(2x^{11}+2x^{10}-2x^9-19x^8+191x^7-88x^6-211x^5-109x^4+181x^3+176x^2-307x+256)/(x-1)/(3x^4-3x^3+3x^2+x-1)$  ogf ]  
A186475 3.95213 [  $(2x^{12}+x^{10}+3x^9-33x^8+112x^7+336x^6-110x^5-1116x^4+1153x^3-433x^2-48x+205)/(x-1)/(3x^4-3x^3+3x^2+x-1)$  ogf ]  
A186494 15.2405 -  $(-3-4x-7x^2-2x^6-10x^3-8x^4-8x^5-4x^7-x^8+2x^9)/(x-1)/(x^4+x^3+x^2+x+1)/(x^5-x^4-x^3-x-1)$  lgdogf  
A186494 16.2499 [  $(x^5-x^4-x^3-x-1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf ]  
A186496 16.3928 [  $(x^6-x^5-2x^2-1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf ]  
A186496 17.5778 -  $(-2-6x-6x^2-10x^6-6x^3-16x^4+x^{10})/(x-1)/(x^4+x^3+x^2+x+1)/(x^6-x^5-2x^2-1)$  lgdogf  
A186498 17.1956 [  $(x^3-x^2+x-2)/(x^2+x+1)/(x-1)^3$  ogf ]  
A186498 23.6699 -  $(-3-4x-7x^2+4x^3-x^4+2x^5)/(x-1)/(1+x+x^2)/(x^3-x^2+x-2)$  lgdogf  
A186498 6.70472 [  $\{(n^2+15n+46)*a(n+1)+(2n+14)*a(n+2)+(2n+14)*a(n+3)+(-n^2-13n-32)*a(n+4), a(0) = 2, a(1) = 3, a(2) = 5, a(3) = 8\}$ , ogf ]  
A186544 7.85220 [  $(9x^{15}+8x^{14}+8x^{13}+8x^{12}+8x^{11}+8x^{10}+8x^9+8x^8+8x^7+8x^6+8x^5+8x^4+8x^3+8x^2+8x+8)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf ]  
A186561 4.14447 [  $(712x^9+1236x^8+812x^7-3114x^6-1996x^5+2734x^4-660x^3+776x^2-1269x+721)/(x-1)/(2x^6-2x^4+2x^3+x-1)$  ogf ]  
A186562 3.74132 [  $(800x^{10}-288x^9+1280x^8+6916x^7-7774x^6-7616x^5+10230x^4-4810x^3+3514x^2-5433x+2917)/(x-1)/(2x^6-2x^4+2x^3+x-1)$  ogf ]  
A186563 3.62500 [  $(6272x^{11}-4416x^9+1848x^8+17962x^7-19680x^6-15622x^5+20566x^4-9636x^3+7193x^2-11777x+6594)/(x-1)/(2x^6-2x^4+2x^3+x-1)$  ogf ]

A186575 12.0146  $-(3+14*x+2*x^2+8*x^3+12*x^4)/(2*x-1)/(1+x+x^2)/(6*x^2+2*x+1)$   
lgdogf  
A186575 12.0449  $[-(6*x^2+2*x+1)/(2*x-1)/(x^2+x+1)$  ogf]  
A186575 6.50210  $[{-a(n+3)+a(n+2)+a(n+1)+2*a(n), a(0) = 1, a(1) = 3, a(2) = 10},$   
ogf]  
A186620 15.8311  $[-(13*x+12)/(x^2+x-1)$  ogf]  
A186620 19.7286  $-(25+24*x+13*x^2)/(13*x+12)/(x^2+x-1)$  lgdogf  
A186620 8.85788  $[{a(n+2)-a(n+1)-a(n), a(0) = 12, a(1) = 25},$  ogf]  
A186636 10.5694  $[-x*(x^3+9*x^2+9*x+5)/(x-1)^5$  ogf]  
A186636 20.2271  $-2*(17+27*x+15*x^2+x^3)/(x-1)/(x^3+9*x^2+9*x+5)$  lgdogf  
A186636 5.11604  $[{(-28*n^2-127*n-142)*a(n+1)+(2*n^2-202*n-442)*a(n$   
 $+2)+(26*n^2+113*n+122)*a(n+3), a(0) = 0, a(1) = 5, a(2) = 34},$  ogf]  
A186646 14.9212  $[ (x^6+2*x^5+3*x^4+2*x^3+3*x^2+2*x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$   
ogf]  
A186679 14.7555  $[-x*(x-3)/(x^2+1)/(x^2-x-1)$  ogf]  
A186679 19.2293  $-(4+9*x^2-14*x^3+3*x^4)/(x-3)/(1+x^2)/(x^2-x-1)$  lgdogf  
A186680 13.7967  $[-x*(2*x^3+30*x^2+30*x+3)/(x-1)$  ogf]  
A186680 15.7154  $(-33-60*x+24*x^2+4*x^3)/(x-1)/(2*x^3+30*x^2+30*x+3)$  lgdogf  
A186680 7.40005  $[{a(n+5)-a(n+4), a(0) = 0, a(1) = 3, a(2) = 33, a(3) = 63, a(4)$   
 $= 65},$  ogf]  
A186681 21.4056  $6*(5+10*x+x^2)/(2*x^3+30*x^2+30*x+3)$  lgdogf  
A186681 4.86394  $[{a(n+5), a(0) = 0, a(1) = 3, a(2) = 30, a(3) = 30, a(4) = 2},$   
ogf]  
A186682 16.2801  $[-x*(5*x^2+17*x+2)/(x-1)$  ogf]  
A186682 21.6617  $(-19-10*x+5*x^2)/(x-1)/(5*x^2+17*x+2)$  lgdogf  
A186682 8.39181  $[{-a(n+4)+a(n+3), a(0) = 0, a(1) = 2, a(2) = 19, a(3) = 24},$   
ogf]  
A186683 31.9228  $(17+10*x)/(5*x^2+17*x+2)$  lgdogf  
A186683 5.31096  $[{-a(n+4), a(0) = 0, a(1) = 2, a(2) = 17, a(3) = 5},$  ogf]  
A186684 19.1707  $[-x*(6*x+1)/(x-1)$  ogf]  
A186684 48.2877  $-7/(6*x+1)/(x-1)$  lgdogf  
A186684 9.46988  $[{-a(n+3)+a(n+2), a(0) = 0, a(1) = 1, a(2) = 7},$  ogf]  
A186685 6.32098  $[{-a(n+3), a(0) = 0, a(1) = 1, a(2) = 6},$  ogf]  
A186685 85.8447  $6/(6*x+1)$  lgdogf  
A186704 3.31321  $[[1+x]$  ogf\_with\_Euler\_transform]  
A186707 10.4161  $-2*(7+43*x+80*x^2+62*x^3+17*x^4+x^5)/(x-1)/(x+1)/$   
 $(x^4+10*x^3+20*x^2+10*x+1)$  lgdogf  
A186707 8.28689  $[-(x^4+10*x^3+20*x^2+10*x+1)/(x+1)/(x-1)^5$  ogf]  
A186719 13.2235  $x*(-2+4*x^3-2*x^6-17*x^15+14*x^18)/(x-1)/(1+x+x^2)/(x^17-x^5-$   
 $x^3+x^2+1)$  lgdogf  
A186719 8.98566  $[-(x^17-x^5-x^3+x^2+1)/(x-1)/(x^2+x+1)$  ogf]  
A186723 6.07162  $[ x*(8*x^12-2*x^11-x^8-6*x^7-x^6-6*x^5-5*x^4-6*x^3-9*x^2-4*x-1)/$   
 $(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A186731 12.9374  $[ x^2*(x+1)^2/(x-1)^2/(x^2+x+1)^2$  ogf]  
A186731 15.4947  $-2*(1+3*x^2+2*x^3)/(x-1)/(x+1)/(1+x+x^2)$  lgdogf  
A186731 33.5291  $[2*x^2-2*x+2$  ogf\_with\_Euler\_transform]  
A186739 6.22683  $[{a(n+1)*n-a(n)*n-a(n+3)+2*a(n+2), a(0) = 0, a(1) = 0, a(2) =$   
 $1},$  ogf]  
A186741 3.90931  $[{-(-x^16-x^15+x^11+x^10+x^9-x^7-x^6-x^5-x^4)/$   
 $(x^17+x^16+x^9+x^8+x+1)$  ogf\_with\_Euler\_transform]  
A186742 5.33415  $[{-(-x^16-x^13-x^8+x^2-1)/(x^17+x^16+x^9+x^8+x+1)$   
ogf\_with\_Euler\_transform]  
A186755 26.0487  $-(1+\exp(x)*x-\exp(x))/(x-1)$  lgdegf  
A186758 25.4199  $-(\exp(x)*x-\exp(x)-x+2)/(x-1)$  lgdegf  
A186763 4.02025  $[{(n+2)*a(n+1)-a(n+2)+(-n-4)*a(n+3)+a(n+4), a(0) = 0, a(1) = 1,$   
 $a(2) = 2, a(3) = 7},$  ogf]  
A186788 6.35881  $[-(288*x^4+36*x^3-471*x^2-188*x-246)/(9*x^5-15*x^3-4*x^2-7*x+1)$   
ogf]  
A186809 11.3881  $[ x*(x+1)^2/(x^2+x+1)/(x^2-x+1)$  ogf]  
A186809 21.1509  $-2*(-1+x+2*x^3+x^4)/(x+1)/(1+x+x^2)/(x^2-x+1)$  lgdogf  
A186809 23.8956  $[[x^5-3*x+2]$  ogf\_with\_Euler\_transform]

A186812 12.1510 [  $-1/(x^6+3x^5+4x^4+3x^3+2x^2+x-1)$  ogf]  
A186813 14.5594  $-(3-6*x+12*x^2-4*x^3+x^4+2*x^5)/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)$   
lgdogf  
A186813 21.9049  $[-x^5+2*x^3+x^2-3*x+3$  ogf\_with\_Euler\_transform]  
A186813 9.28863 [  $x*(x^2-x+1)*(x+1)^2/(x-1)^2/(x^2+1)^2$  ogf]  
A186817 3.80574 [  $-3*(837*x^6+495*x^5+870*x^4+609*x^3+16*x^2-76*x-42)/$   
 $(81*x^7+27*x^6+72*x^5+36*x^4-15*x^3-9*x^2-3*x+1)$  ogf]  
A186830 10.2633  $-(9+4*x-14*x^2-16*x^3+3*x^4)/(3*x^2-8*x-1)/(x^3+x^2+x-1)$  lgdogf  
A186830 5.34474 [  $\{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 9, a(2) = 7\}$ ,  
ogf]  
A186830 9.81330 [  $(3*x^2-8*x-1)/(x^3+x^2+x-1)$  ogf]  
A186842 8.02263 [  $-2*(20*x^3+32*x^2+17*x+8)/(8*x^4+10*x^3+3*x^2+x-1)$  ogf]  
A186843 5.17568 [  $-2*(14*x^5+23*x^4+91*x^3+167*x^2+59*x+25)/$   
 $(2*x^6+3*x^5+14*x^4+24*x^3+4*x^2+2*x-1)$  ogf]  
A186852 10.8868  $-(-13-30*x+x^2)/(x-1)/(3*x^3-8*x^2-7*x-2)$  lgdogf  
A186852 3.30498 [  $\{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 16, a(1) = 104, a(2) =$   
 $328, a(3) = 664\}$ , ogf]  
A186852 6.29304 [  $8*(3*x^3-8*x^2-7*x-2)/(x-1)^3$  ogf]  
A186853 7.69977 [  $16*(6*x^5-3*x^4-16*x^3-25*x^2-10*x-1)/(x-1)^3$  ogf]  
A186853 9.09989  $(13+70*x+73*x^2+12*x^3-33*x^4+12*x^5)/(x-1)/$   
 $(6*x^5-3*x^4-16*x^3-25*x^2-10*x-1)$  lgdogf  
A186854 4.24630 [  $8*(37*x^7+37*x^6-45*x^5-187*x^4-264*x^3-206*x^2-44*x-2)/$   
 $(x-1)^3$  ogf]  
A186858 26.9720  $x/(x+1)/(x^4+2*x^3+2*x^2+x+1)$  revogf  
A186859 21.2194  $(2*x+1)*(3*x^4+6*x^3+5*x^2+2*x+1)$  lgdegf  
A186862 17.8951  $-2*(10+11*x)/(11*x+3)/(x-1)$  lgdogf  
A186862 4.32602 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 24, a(2) =$   
 $160\}$ , ogf]  
A186862 8.35875 [  $-8*x*(11*x+3)/(x-1)^3$  ogf]  
A186863 14.4959  $2*(7*x+62)*(3*x+1)/(x-1)/(15*x^3-87*x^2-106*x-6)$  lgdogf  
A186863 4.64668 [  $\{a(n+5)-3*a(n+4)+3*a(n+3)-a(n+2), a(0) = 0, a(1) = 24, a(2) =$   
 $496, a(3) = 1764, a(4) = 3768\}$ , ogf]  
A186863 8.94044 [  $4*x*(15*x^3-87*x^2-106*x-6)/(x-1)^3$  ogf]  
A186864 13.6699  $-(-839-964*x+51*x^2)/(x-1)/(49*x^3-96*x^2-386*x-151)$  lgdogf  
A186864 8.24947 [  $8*x^2*(49*x^3-96*x^2-386*x-151)/(x-1)^3$  ogf]  
A186865 4.72929 [  $4*x^2*(465*x^4-11*x^3-3194*x^2-3988*x-560)/(x-1)^3$  ogf]  
A186874 3.82384 [  $(7047*x^9+12492*x^8+1305*x^7-22980*x^6-11457*x^5+15069*x^4-2436*x^3+2787*x^2-443$   
 $5*x+2428)/(x-1)/(3*x^6-3*x^4+3*x^3+x-1)$  ogf]  
A186875 3.42702 [  $(7803*x^{10}-4104*x^9+16011*x^8+72393*x^7-80919*x^6-75462*x^5+107205*x^4-49779*x^3$   
 $+23546*x^2-37271*x+19236)/(x-1)/(3*x^6-3*x^4+3*x^3+x-1)$  ogf]  
A186924 12.9919  $[-(-4*x^4-2*x^3-2*x-4)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A186930 8.17222 [  $[-(-4*x^{10}-x^9-4*x^6-6*x^5-4*x^4-x-4)/(x^{12}-1)$   
ogf\_with\_Euler\_transform]  
A186942 3.93552 [  $\{(8*n+24)*a(n+1)+(-14*n-38)*a(n+2)+(7*n+16)*a(n+3)+(-n-2)*a(n$   
 $+4), a(0) = 1, a(1) = 3, a(2) = 15, a(3) = 79\}$ , ogf]  
A186942 9.30886  $-(-3+18*x-72*x^2+208*x^3-224*x^4+64*x^5)/(x-1)/(-1+2*x)/(4*x-1)/$   
 $(8*x^3-16*x^2+6*x-1)$  lgdogf  
A186942 9.81452 [  $-(8*x^3-16*x^2+6*x-1)/(4*x-1)/(x-1)/(2*x-1)^2$  ogf]  
A186947 12.1161 [  $-(12*x^2-6*x+1)/(4*x-1)/(2*x-1)^2$  ogf]  
A186947 13.3754  $-2*(-1+6*x-24*x^2+48*x^3)/(-1+2*x)/(4*x-1)/(12*x^2-6*x+1)$  lgdogf  
A186947 6.80200 [  $\{-a(n+3)+8*a(n+2)-20*a(n+1)+16*a(n), a(0) = 1, a(1) = 2, a(2) =$   
 $8\}$ , ogf]  
A186948 10.5221 [  $-(7*x^2-4*x+1)/(3*x-1)/(x-1)^2$  ogf]  
A186948 13.1003  $-(-1-x-3*x^2+21*x^3)/(x-1)/(3*x-1)/(7*x^2-4*x+1)$  lgdogf  
A186948 5.73077 [  $\{a(n+3)-5*a(n+2)+7*a(n+1)-3*a(n), a(0) = 1, a(1) = 1, a(2) =$   
 $5\}$ , ogf]  
A186949 14.4991 [  $-(4*x^2-2*x+1)/(2*x-1)$  ogf]  
A186949 20.0674  $8*x*(x-1)/(-1+2*x)/(4*x^2-2*x+1)$  lgdogf  
A186949 7.86094 [  $\{-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 0, a(2) = 4\}$ , ogf]

A186950 11.2043 [  $-(527x^2-1004x+479)/(x-1)^3$  ogf]  
A186950 17.3987  $-(433-954x+527x^2)/(x-1)/(527x^2-1004x+479)$  lgdogf  
A186950 6.45674 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 479, a(1) = 433, a(2) = 389\}$ , ogf]  
A186966 3.87868 [  $-8x*(9x^3+30x^2+25x+3)/(x+1)/(x-1)^5$  ogf]  
A186996 17.0514  $1/2/(x+1)*(1+(1-4x^3-4x^2)^{(1/2)})^x$  revogf  
A186997 21.2109  $1/2*(1+(1-4x-4x^2)^{(1/2)})^x$  revogf  
A187003 11.2615  $-(3x^2+2x+1)*(2x^3+2x^2+2x+1)/(2x^2-1x+3x^4+3x^3+x^6+2x^5)$  lgdogf  
A187003 11.9926 [  $-1/(x^6+2x^5+3x^4+3x^3+2x^2+x-1)$  ogf]  
A187004 5.84937 [  $-(3x^2+2x+1)*(2x^3+2x^2+2x+1)/(x^6+2x^5+3x^4+3x^3+2x^2+x-1)$  ogf]  
A187012 12.0288 [  $-(x^4-3x^2-2x-1)/(x-1)^2/(x+1)^2$  ogf]  
A187028 6.46675 [  $8x*(4x^4-9x^3-24x^2-28x-3)/(x-1)^3$  ogf]  
A187028 8.87257  $(2x+1)*(2x^3-9x^2+30x+37)/(x-1)/(4x^4-9x^3-24x^2-28x-3)$  lgdogf  
A187029 6.28614 [  $4x*(56x^6+9x^5-117x^4-602x^3-774x^2-318x-6)/(x-1)^3$  ogf]  
A187035 11.8758 [  $-1/(x-1)/(x^2-x+1)/(x+1)^2$  ogf]  
A187035 16.8762  $-x*(2-5x+5x^2)/(x-1)/(x+1)/(x^2-x+1)$  lgdogf  
A187035 18.3539 [  $x^5-x^2+x$  ogf\_with\_Euler\_transform]  
A187044 4.09249 [  $\{(n+2)*a(n+1)+(-n-2)*a(n+2)+a(n+4)-2*a(n+3), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9\}$ , ogf]  
A187047 15.4912  $2*(17+22x+3x^2)/(x-1)/(x^3-9x^2-13x-7)$  lgdogf  
A187047 3.59421 [  $\{(50n^2-33n-17)*a(n+1)+(5n^2+277n-102)*a(n+2)+(-55n^2-34n+21)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 28\}$ , ogf]  
A187047 8.22175 [  $4x^2*(x^3-9x^2-13x-7)/(x-1)^3$  ogf]  
A187048 7.31984 [  $4x^2*(9x^5-8x^4-50x^3-85x^2-50x-6)/(x-1)^3$  ogf]  
A187048 9.24391  $(68+270x+235x^2+32x^3-53x^4+18x^5)/(x-1)/(9x^5-8x^4-50x^3-85x^2-50x-6)$  lgdogf  
A187049 5.96627 [  $4x^2*(37x^7+41x^6-70x^5-308x^4-472x^3-388x^2-108x-2)/(x-1)^3$  ogf]  
A187050 4.85550 [  $4x^3*(113x^8+290x^7+163x^6-531x^5-1651x^4-2715x^3-2599x^2-1300x-146)/(x-1)^3$  ogf]  
A187051 3.97960 [  $4x^3*(313x^{10}+1175x^9+1721x^8+531x^7-3066x^6-9182x^5-14708x^4-16724x^3-11434x^2-3206x-100)/(x-1)^3$  ogf]  
A187053 12.5551 [  $-(-3x+3)/(x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A187062 4.46398 [  $-2x^2*(2x^9+x^8-4x^7-6x^6+4x^4+x^3-5x^2-7x-4)/(x^2+x+1)^2/(x+1)^2/(x-1)^4$  ogf]  
A187065 10.0006  $-x^2*(-3-2x^4-8x+x^2+10x^3-4x^5+3x^6)/(x^3-x^2+1)/(x^6-2x^4-x^2+1)$  lgdogf  
A187065 11.1492 [  $x^2*(x^3-x^2+1)/(x^6-2x^4-x^2+1)$  ogf]  
A187066 10.2097 [  $(x^3-x^2+1)/(x^6-2x^4-x^2+1)$  ogf]  
A187066 9.67795  $-x^2*(-3-2x^4-8x+x^2+10x^3-4x^5+3x^6)/(x^3-x^2+1)/(x^6-2x^4-x^2+1)$  lgdogf  
A187067 8.91942  $-(1+2x+x^2-5x^6+4x^3+6x^4-4x^5+2x^9)/(x^4-x-1)/(x^6-2x^4-x^2+1)$  lgdogf  
A187067 9.21222 [  $-x*(x^4-x-1)/(x^6-2x^4-x^2+1)$  ogf]  
A187068 10.3569 [  $(x-1)*(x^4+x^3+x^2-x-1)/(x^6-x^4-2x^2+1)$  ogf]  
A187068 8.77613  $-x^3*(6x^3-4-5x+10x^2-8x^4+x^5+x^7)/(x-1)/(x^4+x^3+x^2-x-1)/(x^6-x^4-2x^2+1)$  lgdogf  
A187069 10.4927  $-x*(2+3x+x^5-2x^3-4x^4+4x^6-3x^7+2x^8)/(x-1)/(x^6-x^4-2x^2+1)/(x^3+x+1)$  lgdogf  
A187069 10.7279 [  $-x*(x-1)*(x^3+x+1)/(x^6-x^4-2x^2+1)$  ogf]  
A187070 9.51285 [  $-x^2*(x^2-x-1)/(x^6-x^4-2x^2+1)$  ogf]  
A187070 9.54181  $-(1+2x+2x^2-5x^6+4x^3+3x^4-8x^5+4x^7)/(x^2-x-1)/(x^6-x^4-2x^2+1)$  lgdogf  
A187074 9.48466 [  $-(x^6+x^3+1)*(x^4+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]

A187076 11.6134  $[-(-4*x^3+4*x^2-8*x+4)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A187077 10.0639  $-(4-12*x+17*x^2-8*x^3+2*x^4)/(x-1)/(2*x^4-10*x^3+13*x^2-7*x+1)$  lgdogf  
A187077 8.05701  $[-(x-1)^3/(2*x^4-10*x^3+13*x^2-7*x+1)$  ogf]  
A187078 15.4678  $[-(37*x-38)/(10*x-1)/(x-1)$  ogf]  
A187078 16.5764  $-(381-760*x+370*x^2)/(x-1)/(37*x-38)/(10*x-1)$  lgdogf  
A187078 8.71172  $[{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 38, a(1) = 381},$  ogf]  
A187093 12.6899  $-(-1-2*x-8*x^2+8*x^3-11*x^4+2*x^5)/(x-1)/(x^2+1)/$   
 $(x^3-4*x^2+2*x-1)$  lgdogf  
A187093 9.54555  $[x*(x^3-4*x^2+2*x-1)/(x^2+1)/(x-1)^3$  ogf]  
A187107 12.3925  $-(8-14*x-10*x^2+16*x^3+7*x^4)/(x-1)/(7*x^2+8*x-8)/(x^2+x-1)$  lgdogf  
A187107 14.0699  $[-(7*x^2+8*x-8)/(x-1)/(x^2+x-1)$  ogf]  
A187107 7.93304  $[{a(n+3)-2*a(n+2)+a(n), a(0) = 8, a(1) = 8, a(2) = 9},$  ogf]  
A187130 4.53985  $[{-(-3*x^8-x^7+x^6-x^5-4*x^4-x^3+x^2-x-3)/(x^10-x^8+x^6-x^4+x^2-1)}$  ogf\_with\_Euler\_transform]  
A187143 8.65684  $[-(x^4-3*x^3+3*x-1)/(-x^6+x^5-x^3+x-1)$  ogf\_with\_Euler\_transform]  
A187144 8.22935  $[{-(-x^6-x^5+2*x^4-2*x^2+x+1)/(-x^8-x^4-1)}$  ogf\_with\_Euler\_transform]  
A187145 5.62076  $[-(3*x^7-4*x^6+2*x^5+x^4-x^3-2*x^2+4*x-3)/(x^9+x^6+x^3+1)$  ogf\_with\_Euler\_transform]  
A187149 12.2924  $[-(4*x^3+4*x^2+2*x+4)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A187150 11.7812  $[-(4*x^2+2*x-2)/(x^3-x^2+x-1)$  ogf\_with\_Euler\_transform]  
A187153 9.20036  $[{-(-x^4+3*x^3-3*x+1)/(-x^6+x^5-x^3+x-1)}$  ogf\_with\_Euler\_transform]  
A187154 10.9656  $[-(2*x^4-x^3-x-2)/(-x^6+x^4-x^2+1)$  ogf\_with\_Euler\_transform]  
A187156 12.9215  $[-4*x^2*(x+5)/(x-1)^3$  ogf]  
A187156 39.6807  $-2*(x+8)/(x+5)/(x-1)$  lgdogf  
A187156 6.06921  $[{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 0, a(1) = 0, a(2) = 20, a(3) = 64},$  ogf]  
A187157 11.3529  $[4*x^2*(x^2-17*x-2)/(x-1)^3$  ogf]  
A187157 23.1552  $-(-23-32*x+x^2)/(x-1)/(x^2-17*x-2)$  lgdogf  
A187157 5.48072  $[{-a(n+5)+3*a(n+4)-3*a(n+3)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 8, a(3) = 92, a(4) = 248},$  ogf]  
A187158 10.7398  $[4*x^3*(11*x^2-43*x-18)/(x-1)^3$  ogf]  
A187158 19.0326  $-(-97-64*x+11*x^2)/(x-1)/(11*x^2-43*x-18)$  lgdogf  
A187159 14.6151  $-2*(-57-169*x+13*x^2)/(x-1)/(41*x^3-97*x^2-72*x-14)$  lgdogf  
A187159 8.91614  $[4*x^3*(41*x^3-97*x^2-72*x-14)/(x-1)^3$  ogf]  
A187160 7.98063  $[4*x^3*(125*x^4-201*x^3-186*x^2-124*x-4)/(x-1)^3$  ogf]  
A187160 9.95498  $(136+620*x+789*x^2-500*x^3+125*x^4)/(x-1)/$   
 $(125*x^4-201*x^3-186*x^2-124*x-4)$  lgdogf  
A187161 7.31089  $[4*x^4*(337*x^4-413*x^3-370*x^2-522*x-118)/(x-1)^3$  ogf]  
A187161 9.04722  $(876+1784*x+1609*x^2-1348*x^3+337*x^4)/(x-1)/$   
 $(337*x^4-413*x^3-370*x^2-522*x-118)$  lgdogf  
A187163 11.1784  $[12*x*(x+2)/(x-1)^4$  ogf]  
A187163 36.9103  $-3*(x+3)/(x+2)/(x-1)$  lgdogf  
A187163 4.89514  $[{(4+2*n)*a(n+3)+(-10-n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 24, a(2) = 108},$  ogf]  
A187164 16.5347  $-(-57+67*x-5*x^2+x^3)/(x-1)/(x^3-4*x^2+25*x+8)$  lgdogf  
A187164 4.38745  $[{(309*n^2+547*n)*a(n)+(1552*n^2+8848*n+7296)*a(n+1)+(-1861*n^2-2885*n-1024)*a(n+2), a(0) = 0, a(1) = 48},$  ogf]  
A187164 8.87813  $[6*x*(x^3-4*x^2+25*x+8)/(x-1)^4$  ogf]  
A187165 13.0492  $-(92+204*x+3*x^2+x^3)/(x-1)/(2*x^4-7*x^3+12*x^2+60*x+8)$  lgdogf  
A187165 7.58340  $[12*x*(2*x^4-7*x^3+12*x^2+60*x+8)/(x-1)^4$  ogf]  
A187166 6.58014  $[6*x*(9*x^5+4*x^4-115*x^3+360*x^2+444*x+24)/(x-1)^4$  ogf]  
A187166 8.12797  $3*(-180-684*x-125*x^2+33*x^3-15*x^4+3*x^5)/(x-1)/$   
 $(9*x^5+4*x^4-115*x^3+360*x^2+444*x+24)$  lgdogf  
A187167 5.65384  $[12*x*(8*x^6+37*x^5-110*x^4-144*x^3+1244*x^2+712*x+20)/(x-1)^4$  ogf]  
A187168 4.87497  $[6*x*(25*x^7+220*x^6+133*x^5-2240*x^4+1844*x^3+12816*x^2+4096*x+32)/(x-1)^4$  ogf]

A187169 4.38280 [ $12*x*(18*x^8+233*x^7+748*x^6-1320*x^5-6080*x^4+13272*x^3+28208*x^2+5604*x+12)/(x-1)^4$  ogf]  
A187170 3.76139 [ $6*x^2*(49*x^8+836*x^7+4625*x^6+4576*x^5-32904*x^4-37336*x^3+196068*x^2+224216*x+27836)/(x-1)^4$  ogf]  
A187173 11.4059 [ $4*x^3*(x+1)*(x-4)/(x-1)^3$  ogf]  
A187173 25.1885 [ $-(-15-4*x+x^2)/(x-1)/(x-4)/(x+1)$  lgdogf]  
A187173 4.68102 [ $\{(7-7*n)*a(n+1)+(-75*n^2-120*n)*a(n+2)+(75*n^2-23*n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 16\}$ , ogf]  
A187174 14.8543 [ $(6+20*x+4*x^2-4*x^3+x^4)/(x-1)/(x^4+x^3-7*x^2-3*x-1)$  lgdogf]  
A187174 8.92110 [ $8*x^3*(x^4+x^3-7*x^2-3*x-1)/(x-1)^3$  ogf]  
A187175 10.0735 [ $2*(17+46*x+30*x^2-18*x^3-3*x^4+3*x^5)/(x-1)/(x-2)/(3*x^4+15*x^3+18*x^2+12*x+2)$  lgdogf]  
A187175 7.93668 [ $4*x^4*(x-2)*(3*x^4+15*x^3+18*x^2+12*x+2)/(x-1)^3$  ogf]  
A187176 6.51883 [ $8*x^5*(2*x^6+9*x^5+3*x^4-18*x^3-27*x^2-29*x-11)/(x-1)^3$  ogf]  
A187176 8.13449 [ $(62+112*x+81*x^2+6*x^6-12*x^3-42*x^4+6*x^5)/(x-1)/(2*x^6+9*x^5+3*x^4-18*x^3-27*x^2-29*x-11)$  lgdogf]  
A187177 5.40163 [ $4*x^5*(5*x^8+29*x^7+43*x^6-19*x^5-85*x^4-143*x^3-136*x^2-80*x-4)/(x-1)^3$  ogf]  
A187178 4.84182 [ $8*x^6*(3*x^9+21*x^8+49*x^7+28*x^6-31*x^5-117*x^4-164*x^3-179*x^2-118*x-35)/(x-1)^3$  ogf]  
A187179 11.8911 [ $-(7-12*x-9*x^2+14*x^3+6*x^4)/(x-1)/(6*x^2+7*x-7)/(x^2+x-1)$  lgdogf]  
A187179 13.2855 [ $-(6*x^2+7*x-7)/(x-1)/(x^2+x-1)$  ogf]  
A187179 7.49073 [ $\{a(n+3)-2*a(n+2)+a(n), a(0) = 7, a(1) = 7, a(2) = 8\}$ , ogf]  
A187180 20.3911 [ $(x^5-2*x^4+x^3+x^2+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A187180 20.4067 [ $(-1-3*x-5*x^2-x^6+x^3-5*x^4-3*x^5+x^7)/(x-1)/(x+1)/(1+x^2)/(x^5-2*x^4+x^3+x^2+1)$  lgdogf]  
A187181 12.7103 [ $(x^{11}-x^{10}-x^8+x^7+x^6+x^3+1)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A187182 7.93277 [ $(x^{19}-x^{18}+x^{17}-2*x^{16}+x^{15}-x^{14}+x^{13}+x^{12}+x^9-x^7+x^6+x^4+1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A187183 7.51981 [ $(x^{29}-x^{28}+x^{27}-x^{26}-x^{24}+x^{23}-x^{22}+x^{21}+x^{20}+x^{15}+x^{10}+x^5+1)/(x^4+x^3+x^2+x+1)/(x^{20}+x^{15}+x^{10}+x^5+1)/(x-1)^2$  ogf]  
A187190 16.9165 [ $-3*(9+26*x+5*x^2)/(x-1)/(5*x^2+17*x+2)$  lgdogf]  
A187190 7.68271 [ $-4*x*(5*x^2+17*x+2)/(x-1)^5$  ogf]  
A187191 12.6017 [ $-6*(7*x+1)*(x^2+8*x+6)/(x-1)/(14*x^3+75*x^2+30*x+1)$  lgdogf]  
A187191 6.15638 [ $8*x*(14*x^3+75*x^2+30*x+1)/(x-1)^6$  ogf]  
A187192 3.44715 [ $-48*x^2*(14*x^3+112*x^2+99*x+15)/(x-1)^7$  ogf]  
A187192 6.96851 [ $-2*(102+409*x+301*x^2+28*x^3)/(x-1)/(14*x^3+112*x^2+99*x+15)$  lgdogf]  
A187196 7.12868 [ $-(-2*x^{10}-2*x^9-4*x^8-2*x^6-4*x^5-2*x^4-4*x^2-2*x-2)/(x^{12}-1)$  ogf\_with\_Euler\_transform]  
A187197 6.72132 [ $-(2*x^7-4*x^6+4*x^5+2*x^4-2*x^3-4*x^2+4*x-2)/(x^9+x^6+x^3+1)$  ogf\_with\_Euler\_transform]  
A187206 15.9604 [ $6*(x+23)/(x-1)^2$  ogf]  
A187206 36.7643 [ $-(47+x)/(x+23)/(x-1)$  lgdogf]  
A187206 8.72257 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 138, a(1) = 282\}$ , ogf]  
A187243 10.3050 [ $-(1+x+x^2+x^3+6*x^4+x^5+x^6+x^7+x^8+16*x^9)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  lgdogf]  
A187243 12.4063 [ $-1/(x+1)/(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]  
A187243 32.8462 [ $x^9+x^4+1$  ogf\_with\_Euler\_transform]  
A187246 4.17447 [ $\{(2*n+2)*a(n)+(-3*n-8)*a(n+1)+(n+6)*a(n+2)-a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A187248 20.9222 [ $-1/2*(\exp(2*x)*x-\exp(2*x)+x+1)/(x-1)$  lgdegf]  
A187249 3.85172 [ $\{(2*n^2+2*n)*a(n)+(-3*n^2-12*n-8)*a(n+1)+(n^2+8*n+10)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 3\}$ , ogf]  
A187251 19.9511 [ $2*a(n)+(-n-1)*a(n+1), a(0)=1, a(1)=1$  lgdegf]

A187256 14.3089  $-1/2*(-1-2*x-x^2+(x^2+1)^{(1/2)}*(x^2+4*x+1)^{(1/2)})/x$  revogf  
A187272 15.3183  $[2*x*(x+1)*(2*x+1)/(2*x^2-1)^2$  ogf]  
A187272 20.0697  $-(3+12*x+18*x^2+8*x^3)/(2*x+1)/(x+1)/(2*x^2-1)$  lgdogf  
A187272 8.12537  $[{(2*n+6)*a(n+1)+(-n-1)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 6},$   
ogf]  
A187273 15.6085  $[3*x*(x+1)*(3*x+1)/(3*x^2-1)^2$  ogf]  
A187273 20.3594  $-2*(2+9*x+18*x^2+9*x^3)/(3*x+1)/(x+1)/(3*x^2-1)$  lgdogf  
A187273 8.34247  $[{(-3*n-9)*a(n+1)+(n+1)*a(n+3), a(0) = 0, a(1) = 3, a(2) = 12},$   
ogf]  
A187274 14.0407  $[4*x*(x+1)*(4*x+1)/(2*x-1)^2/(2*x+1)^2$  ogf]  
A187274 16.4465  $-(5+24*x+60*x^2+32*x^3)/(4*x+1)/(2*x+1)/(-1+2*x)/(x+1)$  lgdogf  
A187274 7.68037  $[{(4*n+12)*a(n+1)+(-n-1)*a(n+3), a(0) = 0, a(1) = 4, a(2) = 20},$   
ogf]  
A187275 13.5246  $[5*x*(x+1)*(5*x+1)/(5*x^2-1)^2$  ogf]  
A187275 17.7306  $-2*(3+15*x+45*x^2+25*x^3)/(1+5*x)/(x+1)/(5*x^2-1)$  lgdogf  
A187275 7.51368  $[{(-5*n-15)*a(n+1)+(n+1)*a(n+3), a(0) = 0, a(1) = 5, a(2) = 30},$   
ogf]  
A187277 13.8671  $[-(x^2-12*x-1)/(x-1)^4$  ogf]  
A187277 27.2992  $-2*(-8-17*x+x^2)/(x-1)/(x^2-12*x-1)$  lgdogf  
A187277 4.75832  $[{(-n-4)*a(n+4)+(-17-11*n)*a(n+3)+(60+13*n)*a(n+2)+(-3-n)*a(n$   
 $+1), a(0) = 1, a(1) = 16, a(2) = 57, a(3) = 136},$  ogf]  
A187287 11.7965  $[4*x*(x^2-3*x-2)/(x-1)^3$  ogf]  
A187287 24.7511  $-(-9-4*x+x^2)/(x-1)/(x^2-3*x-2)$  lgdogf  
A187287 5.85389  $[{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 0, a(1) = 8, a(2) =$   
 $36, a(3) = 80},$  ogf]  
A187288 12.8225  $(27+56*x+10*x^2-12*x^3+3*x^4)/(x-1)/(3*x^4-x^3-7*x^2-21*x-2)$   
lgdogf  
A187288 9.28974  $[4*x*(3*x^4-x^3-7*x^2-21*x-2)/(x-1)^3$  ogf]  
A187289 6.91965  $[4*x*(5*x^6+5*x^5+15*x^4-43*x^3-104*x^2-66*x-2)/(x-1)^3$  ogf]  
A187289 7.60951  $(72+340*x+233*x^2+15*x^6-60*x^3-10*x^4-20*x^5)/(x-1)/$   
 $(5*x^6+5*x^5+15*x^4-43*x^3-104*x^2-66*x-2)$  lgdogf  
A187290 6.03710  $[4*x^2*(7*x^7+15*x^6+64*x^5+24*x^4-78*x^3-518*x^2-604*x-180)/$   
 $(x-1)^3$  ogf]  
A187291 4.61364  $[$   
 $4*x^2*(9*x^9+29*x^8+144*x^7+228*x^6+384*x^5-356*x^4-1844*x^3-3834*x^2-2776*x-360$   
 $)/(x-1)^3$  ogf]  
A187292 3.83911  $[$   
 $4*x^2*(11*x^11+47*x^10+261*x^9+637*x^8+1604*x^7+1716*x^6+280*x^5-7392*x^4-17964*x$   
 $^3-23120*x^2-10184*x-576)/(x-1)^3$  ogf]  
A187297 12.6759  $[2*x*(x^2-3*x-2)/(x-1)^3$  ogf]  
A187297 26.2059  $-(-9-4*x+x^2)/(x-1)/(x^2-3*x-2)$  lgdogf  
A187297 6.19498  $[{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 0, a(1) = 4, a(2) =$   
 $18, a(3) = 40},$  ogf]  
A187298 12.6599  $(18+26*x+13*x^2-12*x^3+3*x^4)/(x-1)/(3*x^4-5*x^3+2*x^2-15*x-1)$   
lgdogf  
A187298 9.59186  $[2*x*(3*x^4-5*x^3+2*x^2-15*x-1)/(x-1)^3$  ogf]  
A187299 8.01120  $[2*x^2*(5*x^5-7*x^4+15*x^3-27*x^2-17*x-27)/(x-1)^3$  ogf]  
A187299 9.94597  $2*(49+44*x-9*x^2+14*x^3-16*x^4+5*x^5)/(x-1)/$   
 $(5*x^5-7*x^4+15*x^3-27*x^2-17*x-27)$  lgdogf  
A187300 6.30102  $[2*x^2*(7*x^7-9*x^6+38*x^5-50*x^4+33*x^3-115*x^2-73*x-45)/$   
 $(x-1)^3$  ogf]  
A187301 5.16710  $[$   
 $2*x^2*(9*x^9-11*x^8+69*x^7-75*x^6+151*x^5-235*x^4-5*x^3-393*x^2-226*x-72)/$   
 $(x-1)^3$  ogf]  
A187302 4.36275  $[$   
 $2*x^2*(11*x^11-13*x^10+108*x^9-104*x^8+369*x^7-393*x^6+368*x^5-904*x^4-400*x^3-1$   
 $242*x^2-522*x-54)/(x-1)^3$  ogf]  
A187303 3.78440  $[$   
 $2*x^2*(13*x^13-15*x^12+155*x^11-137*x^10+705*x^9-579*x^8+1337*x^7-1607*x^6+196*x$   
 $^5-3148*x^4-2401*x^3-3455*x^2-906*x-36)/(x-1)^3$  ogf]  
A187306 3.87200  $[{(3*n+9)*a(n+1)+(5*n+18)*a(n+2)+(n+3)*a(n+3)+(-n-6)*a(n+4),$

$a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 2$ , ogf]  
A187306 8.04957  $-(-I*x-I+2*(3*x-1)^{(1/2)}*x*(x+1)^{(1/2)}+(3*x-1)^{(1/2)}*(x+1)^{(1/2)})/(3*x-1)^{(1/2)}/x/(x+1)^{(3/2)}$  lgdogf  
A187307 17.2843  $-(2-2*x-3*x^2-x^3+x^4)/(x^2-x+1)/(x^3-x^2-1)$  lgdogf  
A187307 8.95381  $[-(x^3-x^2-1)/(x^2-x+1)^2]$  ogf]  
A187309 3.82213  $[-(2592*x^7+324*x^6-2718*x^5+477*x^4+210*x^3+252*x^2-2*x-210)/(81*x^8-90*x^6+27*x^5+6*x^4+6*x^3-x^2-7*x+1)]$  ogf]  
A187318 15.0977  $[x*(2*x^4+2*x^3+2*x^2+2*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf]  
A187321 14.1170  $-(1+5*x+3*x^2+7*x^3+2*x^4+6*x^5)/(x-1)/(x+1)/(2*x^2+1)/(x^2+1)$  lgdogf  
A187321 14.4891  $[x^2*(2*x^2+1)/(x^2+1)/(x+1)/(x-1)^2]$  ogf]  
A187322 14.5648  $[x^2*(2*x^2+x+2)/(x^2+1)/(x+1)/(x-1)^2]$  ogf]  
A187322 29.1436  $-(3+7*x+5*x^2+13*x^3+6*x^4+6*x^5)/(x-1)/(x+1)/(x^2+1)/(2*x^2+x+2)$  lgdogf  
A187323 20.5842  $[x^2*(3*x^4+3*x^3+4*x^2+2*x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^2]$  ogf]  
A187324 11.5188  $[x^2*(x^4+x^3+2*x^2+2*x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^2]$  ogf]  
A187325 4.98952  $[x^2*(2*x^4+3*x^3+3*x^2+2*x+1)*(2*x^4+x^3+2*x^2+x+1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x-1)^2]$  ogf]  
A187326 15.5594  $[x^2*(3*x^2+x+2)/(x^2+1)/(x+1)/(x-1)^2]$  ogf]  
A187326 16.3821  $-(3+9*x+6*x^2+14*x^3+7*x^4+9*x^5)/(x-1)/(x+1)/(x^2+1)/(3*x^2+x+2)$  lgdogf  
A187327 21.6368  $-(2+4*x+12*x^2+7*x^6+6*x^3+11*x^4+9*x^5+9*x^7)/(x-1)/(3*x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A187327 24.2904  $[x^2*(3*x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf]  
A187331 13.0173  $[x*(4*x^3+2*x^2+3*x+1)/(x^2+1)/(x+1)/(x-1)^2]$  ogf]  
A187331 21.2618  $-2*(2+4*x+9*x^2+4*x^6+7*x^3+9*x^4+5*x^5)/(x-1)/(x+1)/(x^2+1)/(4*x^3+2*x^2+3*x+1)$  lgdogf  
A187332 8.84253  $[(x^2+1)*(x^4+x^3+x+2)/(x^2-x+1)/(x^2+x+1)/(x+1)/(x-1)^2]$  ogf]  
A187333 12.6355  $-(2+4*x+9*x^2+6*x^6+5*x^3+10*x^4+8*x^5+6*x^7)/(x-1)/(2*x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A187333 14.0608  $[2*x^2*(2*x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf]  
A187334 20.9674  $[x*(5*x^4+3*x^3+3*x^2+3*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf]  
A187335 11.9087  $[(x^{10}+x^9+x^8+x^7+2*x^6+x^5+2*x^4+x^3+2*x^2+x+2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2]$  ogf]  
A187336 21.8434  $[x^2*(5*x^4+2*x^3+2*x^2+3*x+3)/(x^2-x+1)/(x^2+x+1)/(x+1)/(x-1)^2]$  ogf]  
A187337 18.3506  $[3*x^2*(2*x^5+x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf]  
A187340 16.8717  $-(2+4*x-3*x^2-7*x^3+x^4)/(x^2-x+1)/(x^3-4*x^2-1)$  lgdogf  
A187340 9.62958  $[-(x^3-4*x^2-1)/(x^2-x+1)^2]$  ogf]  
A187357 5.83038  $[{(-576*n^3-2592*n^2-3824*n-1848)*a(n+1)+(9*n^3+54*n^2+107*n+70)*a(n+2), a(0) = 1, a(1) = 5}$ , ogf]  
A187358 5.23289  $[{(576*n^3+3168*n^2+5744*n+3432)*a(n+1)+(-9*n^3-63*n^2-146*n-112)*a(n+2), a(0) = 1, a(1) = 14}$ , ogf]  
A187359 25.0618  $-x*(-1+2*x)*(6*x-1)^3*(3*x-1)^3/(4*x-1)^2$  revogf  
A187359 6.79425  $[{(576*n^3+3744*n^2+8048*n+5720)*a(n+1)+(-9*n^3-72*n^2-191*n-168)*a(n+2), a(0) = 1, a(1) = 21}$ , ogf]  
A187361 16.3463  $[(2*x-1)/(x^2+14*x-1)]$  ogf]  
A187361 20.5540  $-2*(x+2)*(x-3)/(-1+2*x)/(x^2+14*x-1)$  lgdogf  
A187361 8.95152  $[{-a(n+2)+14*a(n+1)+a(n), a(0) = 1, a(1) = 12}$ , ogf]  
A187362 16.7370  $[-(x+2)/(x^2+14*x-1)]$  ogf]  
A187362 23.6850  $-(29+4*x+x^2)/(x+2)/(x^2+14*x-1)$  lgdogf  
A187362 9.16551  $[{a(n+2)-14*a(n+1)-a(n), a(0) = 2, a(1) = 29}$ , ogf]  
A187364 4.28657  $[{(576*n^3+3168*n^2+5744*n+3432)*a(n+1)+(-9*n^3-54*n^2-107*n-70)*a(n+2), a(0) = 1, a(1) = 35}$ , ogf]  
A187365 4.29480  $[{(-576*n^3-3744*n^2-8048*n-5720)*a(n+1)+(9*n^3+63*n^2+146*n+112)*a(n+2), a(0) = 1, a(1) = 42}$ , ogf]  
A187366 3.84368  $[{(-576*n^3-4320*n^2-10736*n-8840)*a(n+1)+(9*n^3+72*n^2+191*n+168)*a(n+2), a(0) = 5, a(1) = 231}$ , ogf]  
A187378 10.2797  $[2*x*(x^3-12*x^2-14*x-2)/(x-1)^3]$  ogf]



A187378 18.5344  $(20+52*x+9*x^2)/(x-1)/(x^3-12*x^2-14*x-2)$  lgdogf  
A187378 5.20930  $[ \{a(n+5)-3*a(n+4)+3*a(n+3)-a(n+2), a(0) = 0, a(1) = 4, a(2) = 40, a(3) = 132, a(4) = 278\}, ogf]$   
A187379 16.4463  $2*(94+111*x+2*x^2)/(x-1)/(13*x^3-43*x^2-68*x-40)$  lgdogf  
A187379 9.83701  $[ x^2*(13*x^3-43*x^2-68*x-40)/(x-1)^3 ogf]$   
A187380 10.4946  $(132+304*x+179*x^2-88*x^3+22*x^4)/(x-1)/(22*x^4-41*x^3-56*x^2-96*x-12)$  lgdogf  
A187380 8.06292  $[ 2*x^2*(22*x^4-41*x^3-56*x^2-96*x-12)/(x-1)^3 ogf]$   
A187381 6.98490  $[ x^2*(129*x^5-167*x^4-148*x^3-500*x^2-270*x-18)/(x-1)^3 ogf]$   
A187381 7.65295  $2*(162+770*x+472*x^2+334*x^3-406*x^4+129*x^5)/(x-1)/(129*x^5-167*x^4-148*x^3-500*x^2-270*x-18)$  lgdogf  
A187382 6.82652  $[ 2*x^3*(171*x^5-168*x^4-48*x^3-586*x^2-464*x-202)/(x-1)^3 ogf]$   
A187382 7.50830  $(1070+2100*x+730*x^2+672*x^3-1023*x^4+342*x^5)/(x-1)/(171*x^5-168*x^4-48*x^3-586*x^2-464*x-202)$  lgdogf  
A187383 6.19721  $[ x^3*(865*x^6-687*x^5+364*x^4-2772*x^3-2160*x^2-2040*x-340)/(x-1)^3 ogf]$   
A187384 5.42209  $[ 2*x^3*(1048*x^7-691*x^6+1108*x^5-3300*x^4-2202*x^3-3258*x^2-1476*x-140)/(x-1)^3 ogf]$   
A187392 11.1891  $[ (2*x^{10}+x^9+x^8+x^7+x^6+2*x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]$   
A187427 14.3787  $[ -(x^2-3*x-3)/(x^3-1) ogf\_with\_Euler\_transform]$   
A187428 15.0654  $[ -(-x^2-4*x-4)/(-x^3+1) ogf\_with\_Euler\_transform]$   
A187430 37.0403  $x*(x-1)^2/(x^2-x+1)^2$  revogf  
A187452 15.8921  $-(7+20*x+19*x^2+4*x^3)/(x-1)/(x+1)/(x^2+3*x+1)$  lgdogf  
A187452 9.80374  $[ -4*x*(x^2+3*x+1)/(x+1)/(x-1)^5 ogf]$   
A187466 11.9925  $[ -(5*x^4+3*x^3+4*x^2+9*x+1)/(x-1)/(x^4+x^3+x^2+x+1) ogf]$   
A187468 10.9140  $2*(1-8*x+64*x^2-192*x^3+128*x^4)/(-1+2*x)/(4*x-1)/(32*x^3-4*x+1)$  lgdogf  
A187468 13.1736  $[ (32*x^3-4*x+1)/(4*x-1)/(2*x-1) ogf]$   
A187468 6.18584  $[ \{a(n+4)-6*a(n+3)+8*a(n+2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 40\}, ogf]$   
A187484 5.60504  $[ (x^{32}-x^{30}+x^{26}-x^{24}+x^{14}+x^{13}+x^{12}+x^9+2*x^8+x^5+2*x^4+x+1)/(x+1)/(x^8+1)/(x^4+1)/(x-1)^2 ogf]$   
A187495 5.38082  $[ x^3*(x^7-x^5-x^4-x^2-x-1)/(x^2+x+1)/(x^9+3*x^6-1) ogf]$   
A187496 5.80590  $[ (x^7-x^5-x^4-x^2-x-1)/(x^2+x+1)/(x^9+3*x^6-1) ogf]$   
A187497 9.28119  $[ -x*(x^7-x^6+x^4+x^2+1)/(x^9+3*x^6-1) ogf]$   
A187498 5.01925  $[ -x^2*(x+1)*(x^6+3*x^4+2*x^2+1)/(x^2+x+1)/(x^9+3*x^6-1) ogf]$   
A187499 8.87524  $[ -x^4*(x-1)*(x^6+x^5-x^3+x^2+x+1)/(3*x^9-3*x^3+1) ogf]$   
A187500 7.05861  $[ -(x^{11}-x^9+x^8-x^7+x^6-x^5+2*x^3-1)/(3*x^9-3*x^3+1) ogf]$   
A187501 9.55038  $[ -x*(x-1)*(x^6+x^5-x^3+x^2+x+1)/(3*x^9-3*x^3+1) ogf]$   
A187502 6.79042  $[ x^2*(x^9-x^7-x^5-x^4-2*x^3+x^2+x+1)/(3*x^9-3*x^3+1) ogf]$   
A187503 6.07899  $[ -x^5*(x^5-2*x^4+2*x^3-x^2-1)/(x^2-x+1)/(x^9-3*x^3+1) ogf]$   
A187504 4.52490  $[ -(x-1)*(x^8-x^7+x^6-x^5+2*x^4-2*x^3+x^2+1)/(x^2-x+1)/(x^9-3*x^3+1) ogf]$   
A187505 9.64025  $[ -x*(x-1)*(x^4+2*x^2+x+1)/(x^9-3*x^3+1) ogf]$   
A187506 6.21024  $[ -x^2*(x^5-2*x^4+2*x^3-x^2-1)/(x^2-x+1)/(x^9-3*x^3+1) ogf]$   
A187508 11.9105  $[ x*(x^2-13*x-6)/(x-1)^3 ogf]$   
A187508 22.7884  $-(31-24*x+x^2)/(x-1)/(x^2-13*x-6)$  lgdogf  
A187508 5.91046  $[ \{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 0, a(1) = 6, a(2) = 31, a(3) = 74\}, ogf]$   
A187509 10.8642  $[ x*(3*x^3-13*x^2-30*x-2)/(x-1)^3 ogf]$   
A187509 17.8578  $2*(18+43*x+2*x^2)/(x-1)/(3*x^3-13*x^2-30*x-2)$  lgdogf  
A187509 5.50549  $[ \{a(n+5)-3*a(n+4)+3*a(n+3)-a(n+2), a(0) = 0, a(1) = 2, a(2) = 36, a(3) = 115, a(4) = 236\}, ogf]$   
A187510 16.6392  $-2*(-92-67*x+6*x^2)/(x-1)/(5*x^3-3*x^2-64*x-40)$  lgdogf  
A187510 9.99266  $[ x^2*(5*x^3-3*x^2-64*x-40)/(x-1)^3 ogf]$   
A187511 10.9921  $(272+456*x+31*x^2-28*x^3+7*x^4)/(x-1)/(7*x^4+11*x^3-64*x^2-164*x-36)$  lgdogf  
A187511 8.38536  $[ x^2*(7*x^4+11*x^3-64*x^2-164*x-36)/(x-1)^3 ogf]$   
A187512 7.39513  $[ x^2*(x+1)*(9*x^4+20*x^3-44*x^2-250*x-20)/(x-1)^3 ogf]$

A187512 8.82412  $2*(165+564*x+183*x^2-58*x^3-8*x^4+9*x^5)/(x-1)/(x+1)/(9*x^4+20*x^3-44*x^2-250*x-20)$  lgdogf  
A187513 6.60795  $[x^2*(11*x^6+51*x^5+50*x^4-308*x^3-776*x^2-354*x-12)/(x-1)^3$  ogf]  
A187514 5.96965  $[x^2*(13*x^7+77*x^6+164*x^5-164*x^4-1250*x^3-1540*x^2-432*x-6)/(x-1)^3$  ogf]  
A187515 5.47292  $[x^3*(15*x^7+107*x^6+324*x^5+172*x^4-1366*x^3-3386*x^2-2674*x-398)/(x-1)^3$  ogf]  
A187532 8.43734  $[-(5*x^8+6*x^7+11*x^6+17*x^5+9*x^4+7*x^3+16*x^2+4*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A187535 4.95625  $[{(16*n^2+16*n+4)*a(n)+(-n-1)*a(n+1), a(0) = 1, a(1) = 2},$  ogf]  
A187536 3.54891  $[{(-16*n^2-80*n-100)*a(n+1)+(16*n^2+81*n+103)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 39},$  ogf]  
A187538 4.16840  $[{(-16*n^2-80*n-100)*a(n+1)+(-16*n^2-79*n-97)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 35},$  ogf]  
A187541 9.35748  $[x*(4*x^6+x^5+12*x^4+16*x^3+12*x^2+x+4)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A187560 12.3563  $[(4*x^2+x-2)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A187560 6.66168  $[{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = 2, a(1) = 13, a(2) = 59},$  ogf]  
A187560 7.77034  $-(-13+64*x-90*x^2+16*x^3+32*x^4)/(x-1)/(-1+2*x)/(4*x-1)/(4*x^2+x-2)$  lgdogf  
A187587 10.7223  $[x*(7*x^3-49*x^2-69*x-5)/(x-1)^3$  ogf]  
A187587 17.6246  $4*(21+59*x+7*x^2)/(x-1)/(7*x^3-49*x^2-69*x-5)$  lgdogf  
A187587 5.43362  $[{a(n+5)-3*a(n+4)+3*a(n+3)-a(n+2), a(0) = 0, a(1) = 5, a(2) = 84, a(3) = 286, a(4) = 604},$  ogf]  
A187588 14.1517  $-(-289-328*x+11*x^2)/(x-1)/(15*x^3-34*x^2-130*x-53)$  lgdogf  
A187588 8.78129  $[2*x^2*(15*x^3-34*x^2-130*x-53)/(x-1)^3$  ogf]  
A187589 8.03858  $[x^2*(93*x^4-41*x^3-619*x^2-757*x-104)/(x-1)^3$  ogf]  
A187589 9.74389  $(1069+2752*x+742*x^2-372*x^3+93*x^4)/(x-1)/(93*x^4-41*x^3-619*x^2-757*x-104)$  lgdogf  
A187590 6.86670  $[2*x^2*(129*x^5+95*x^4-576*x^3-1388*x^2-737*x-39)/(x-1)^3$  ogf]  
A187590 7.58131  $2*(427+2125*x+1558*x^2-190*x^3-275*x^4+129*x^5)/(x-1)/(129*x^5+95*x^4-576*x^3-1388*x^2-737*x-39)$  lgdogf  
A187591 6.23313  $[x^2*(663*x^6+1095*x^5-1481*x^4-7443*x^3-8231*x^2-2207*x-34)/(x-1)^3$  ogf]  
A187592 5.41806  $[x^2*(1634*x^7+3976*x^6+286*x^5-16432*x^4-29715*x^3-18915*x^2-2753*x-13)/(x-1)^3$  ogf]  
A187593 5.06971  $[x^3*(3889*x^7+12207*x^6+10953*x^5-28587*x^4-85546*x^3-90876*x^2-36636*x-3108)/(x-1)^3$  ogf]  
A187594 26.1031  $-x*(-1+2*x)/(1-4*x)^(3/2)$  revogf  
A187601 6.27390  $[x*(x^6+x^5+x^4-x^3+x^2+x+1)/(x-1)^2/(x+1)^2/(x^2-x+1)^2$  ogf]  
A187607 10.0150  $[x^2*(5*x^3-19*x^2-9*x-9)/(x-1)^3$  ogf]  
A187607 18.8707  $4*(9+14*x+x^2)/(x-1)/(5*x^3-19*x^2-9*x-9)$  lgdogf  
A187607 4.33985  $[{(36*n^2-11*n-25)*a(n+1)+(-4*n^2+174*n-20)*a(n+2)+(-32*n^2-27*n+5)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 9},$  ogf]  
A187608 11.4060  $(144+104*x+169*x^2-116*x^3+29*x^4)/(x-1)/(29*x^4-59*x^3+8*x^2-60*x-28)$  lgdogf  
A187608 9.01271  $[x^3*(29*x^4-59*x^3+8*x^2-60*x-28)/(x-1)^3$  ogf]  
A187609 6.73387  $[x^3*(97*x^6-159*x^5+80*x^4-156*x^3-134*x^2-106*x-8)/(x-1)^3$  ogf]  
A187610 5.97253  $[x^4*(277*x^7-403*x^6+312*x^5-243*x^4-546*x^3-238*x^2-423*x-96)/(x-1)^3$  ogf]  
A187611 5.28954  $[x^4*(729*x^9-983*x^8+960*x^7-1907*x^6-213*x^5-1522*x^4-1232*x^3-472*x-48)/(x-1)^3$  ogf]  
A187612 4.31441  $[x^5*(1809*x^10-2319*x^9+2608*x^8+1689*x^7-6086*x^6+1503*x^5-4759*x^4-4897*x^3-3028*x^2-2358*x-474)/(x-1)^3$  ogf]

A187620 4.00672 [  $(x^7-8x^6-36x^5-337x^4-267x^3-78x^2+6x-1)/(x+1)/(x-1)^7$  ogf ]  
A187638 3.81440 [  $\{(256n^3-256n)a(n)+(-32n^3-96n^2-80n-8)a(n+1)+(n^3+6n^2+12n+8)a(n+2), a(0) = 1, a(1) = 1\}$ , ogf ]  
A187673 16.4068  $-(10+26x+9x^2)/(x-1)/(3x^2+5x+1)$  lgdogf  
A187673 7.65040 [  $-(3x^2+5x+1)/(x-1)^5$  ogf ]  
A187693 12.6785 [  $-x^2(3x^2-4x-1)/(3x-1)/(2x-1)/(x-1)^2$  ogf ]  
A187693 14.4155  $-(-11+29x+25x^2-87x^3+36x^4)/(x-1)/(3x-1)/(-1+2x)/(3x^2-4x-1)$  lgdogf  
A187693 5.24398 [  $\{(-6n-18)a(n)+(11n+27)a(n+1)+(-6n-13)a(n+2)+(n+2)a(n+3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 11\}$ , ogf ]  
A187695 8.14766 [  $-x^4(x+1)(19x^2-12x-1)/(4x-1)/(3x-1)/(2x-1)^2/(x-1)^2$  ogf ]  
A187709 10.5020 [  $\{a(n+2)-10a(n+1)+9a(n), a(0) = 1, a(1) = 8\}$ , ogf ]  
A187709 18.9493 [  $-(2x-1)/(9x-1)/(x-1)$  ogf ]  
A187709 22.0288  $-2(4-9x+9x^2)/(x-1)/(-1+2x)/(9x-1)$  lgdogf  
A187710 13.0197 [  $-2(5x^2-9x+5)/(x-1)^3$  ogf ]  
A187710 24.0474  $-(6-8x+5x^2)/(x-1)/(5x^2-9x+5)$  lgdogf  
A187710 7.24574 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 10, a(1) = 12, a(2) = 16\}$ , ogf ]  
A187715 10.3562 [  $(5x^2+4x+1)/(x+1)/(x-1)^2$  ogf ]  
A187715 12.8419  $-(5+17x+13x^2+5x^3)/(x-1)/(x+1)/(5x^2+4x+1)$  lgdogf  
A187715 5.59050 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 11\}$ , ogf ]  
A187721 3.76715 [  $(2x^{10}+2x^9-13x^8-16x^7+11x^6+47x^5+35x^4-16x^3-50x^2-43x-16)/(x^{10}+3x^9-7x^8-10x^7-2x^6+8x^5+10x^4+5x^3+5x^2-1)$  ogf ]  
A187732 14.7816 [  $x/(x^4-13x^3+36x^2-13x+1)$  ogf ]  
A187732 16.0463  $-(-13+72x-39x^2+4x^3)/(36x^2+1-13x+x^4-13x^3)$  lgdogf  
A187734 17.0816 [  $2x/(4x^3-6x^2-x+1)$  ogf ]  
A187734 6.92496 [  $\{-a(n+3)+a(n+2)+6a(n+1)-4a(n), a(0) = 0, a(1) = 2, a(2) = 2\}$ , ogf ]  
A187735 14.3950 [  $-(x-1)/(2x-1)^2$  egf ]  
A187735 3.83300 [  $\{(-2n^2-8n-8)a(n+1)+(-2n^2-13n-21)a(n+2)+(n+3)a(n+3), a(0) = 1, a(1) = 3, a(2) = 16\}$ , ogf ]  
A187738 13.1697 [  $1/2(3x^2-4x+2)/(3x-1)^2$  egf ]  
A187738 3.79231 [  $\{(-3n^2-3n)a(n)+(n+3)a(n+1)+(3n^2+21n+34)a(n+2)+(-n-3)a(n+3), a(0) = 1, a(1) = 4, a(2) = 33\}$ , ogf ]  
A187739 13.2232 [  $-1/2(3x^2+2x-2)/(3x-1)^2$  egf ]  
A187739 3.61829 [  $\{(6n^2+6n)a(n)+(9n^2+34n+33)a(n+1)+(3n^2+18n+29)a(n+2)+(-n-3)a(n+3), a(0) = 1, a(1) = 5, a(2) = 39\}$ , ogf ]  
A187740 13.0583 [  $1/2(15x^2-8x+2)/(5x-1)^2$  egf ]  
A187740 3.58463 [  $\{(15n^2+15n)a(n)+(10n^2+37n+25)a(n+1)+(-5n^2-37n-60)a(n+2)+(n+3)a(n+3), a(0) = 1, a(1) = 6, a(2) = 85\}$ , ogf ]  
A187753 4.94894 [  $(x^9-x^8+x^7-4x^6+x^5-3x^4-x^3-2x^2-1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^5$  ogf ]  
A187756 4.49458 [  $\{(-2n^2-9n-10)a(n+1)+(4n^2+16n+32)a(n+2)+(-2n^2-7n-6)a(n+3), a(0) = 0, a(1) = 1, a(2) = 20\}$ , ogf ]  
A187756 8.55420 [  $-x(x+1)(x^2+14x+1)/(x-1)^5$  ogf ]  
A187830 4.71997 [  $\{(-n-7)a(n+1)+(n+7)a(n+2)-a(n+4)+2a(n+3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$ , ogf ]  
A187851 11.5549  $(38+112x+39x^2-12x^3+3x^4)/(x-1)/(3x^4-4x^3-27x^2-29x-3)$  lgdogf  
A187851 8.52476 [  $8x(3x^4-4x^3-27x^2-29x-3)/(x-1)^3$  ogf ]  
A187852 6.28614 [  $4x(24x^6+66x^5-64x^4-567x^3-873x^2-332x-6)/(x-1)^3$  ogf ]  
A187853 5.05362 [  $8x^2(37x^7+217x^6+419x^5-237x^4-2616x^3-5462x^2-4224x-666)/(x-1)^3$  ogf ]  
A187854 3.88217 [  $4x^2(200x^9+1750x^8+6286x^7+10396x^6-708x^5-46297x^4-117405x^3-142484x^2-61170x-4008)/(x-1)^3$  ogf ]

A187858 11.6634  $(81+184*x+188*x^2-92*x^3+23*x^4)/(x-1)/$   
 $(23*x^4-57*x^3-17*x^2-75*x-2)$  lgdogf  
A187858 9.46089 [  $x*(23*x^4-57*x^3-17*x^2-75*x-2)/(x-1)^3$  ogf]  
A187859 6.98555 [  $x^2*(141*x^5-247*x^4+146*x^3-498*x^2-320*x-216)/(x-1)^3$  ogf]  
A187859 7.72798  $2*(484+818*x+30*x^2+494*x^3-476*x^4+141*x^5)/(x-1)/$   
 $(141*x^5-247*x^4+146*x^3-498*x^2-320*x-216)$  lgdogf  
A187860 5.61684 [  
 $x^2*(655*x^7-977*x^6+1488*x^5-2508*x^4-352*x^3-3484*x^2-1862*x-486)/(x-1)^3$  ogf]  
A187861 4.52481 [  
 $x^2*(2685*x^9-3655*x^8+8800*x^7-10073*x^6+3232*x^5-17172*x^4-11461*x^3-20704*x^2$   
 $-7394*x-846)/(x-1)^3$  ogf]  
A187890 15.3670 [  $-x*(5*x-4)/(x-1)/(x^2+x-1)$  ogf]  
A187890 17.2574  $-(3-12*x^2+10*x^3)/(-4+5*x)/(x-1)/(x^2+x-1)$  lgdogf  
A187890 8.09657 [  $\{a(n+3)-2*a(n+2)+a(n), a(0) = 0, a(1) = 4, a(2) = 3\}$ , ogf]  
A187891 15.8124 [  $-x*(6*x-5)/(x-1)/(x^2+x-1)$  ogf]  
A187891 17.7650  $-(4-15*x^2+12*x^3)/(x-1)/(-5+6*x)/(x^2+x-1)$  lgdogf  
A187891 8.33126 [  $\{a(n+3)-2*a(n+2)+a(n), a(0) = 0, a(1) = 5, a(2) = 4\}$ , ogf]  
A187892 16.1836 [  $-x*(7*x-6)/(x-1)/(x^2+x-1)$  ogf]  
A187892 18.1880  $-(5-18*x^2+14*x^3)/(-6+7*x)/(x-1)/(x^2+x-1)$  lgdogf  
A187892 8.52683 [  $\{a(n+3)-2*a(n+2)+a(n), a(0) = 0, a(1) = 6, a(2) = 5\}$ , ogf]  
A187893 14.3271  $-(4-8*x+5*x^2-4*x^3+4*x^4)/(x-1)/(4*x^2-2*x-1)/(x^2+x-1)$  lgdogf  
A187893 15.4146 [  $-(4*x^2-2*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A187893 8.69121 [  $\{a(n+3)-2*a(n+2)+a(n), a(0) = 1, a(1) = 4, a(2) = 4\}$ , ogf]  
A187915 12.9628 [  $-(x^3+x^2-x-3)/(x^2+2*x-1)^2$  ogf]  
A187915 20.9419  $-(x+1)*(x^3-x^2+x-13)/(x^2+2*x-1)/(x^3+x^2-x-3)$  lgdogf  
A187917 12.9769 [  $x*(2*x+3)/(x^2+2*x-1)^2$  ogf]  
A187917 23.1471  $-2*(7+8*x+3*x^2)/(2*x+3)/(x^2+2*x-1)$  lgdogf  
A187917 4.23868 [  $\{(9+3*n)*a(n+4)+(-22-4*n)*a(n+3)+(-23-7*n)*a(n+2)+(-6-2*n)*a(n$   
 $+1), a(0) = 0, a(1) = 3, a(2) = 14, a(3) = 50\}$ , ogf]  
A187919 13.2567  $-4*(-8+70*x^2+123*x^3+90*x^4+27*x^5)/(6*x^2+8*x+3)/$   
 $(9*x^2+6*x-1)/(x^2+2*x-1)$  lgdogf  
A187919 14.5769 [  $(6*x^2+8*x+3)/(9*x^2+6*x-1)/(x^2+2*x-1)$  ogf]  
A187956 3.01883 [  $-32*(8748*x^7+5346*x^6-81*x^5-432*x^4-255*x^3+6*x^2-12*x-8)/$   
 $(9*x^2+4*x-1)/(729*x^6-36*x^3-1)$  ogf]  
A187992 3.40762 [  $-(890*x^4-3963*x^3+6683*x^2-5061*x+1452)/(x-1)^5$  ogf]  
A188021 14.1988 [  $x^2/(x-1)/(x^3+3*x^2-1)$  ogf]  
A188021 18.1798  $-(-1-6*x+6*x^2+4*x^3)/(x-1)/(x^3+3*x^2-1)$  lgdogf  
A188022 14.6045 [  $-x*(x+1)/(x^3+3*x^2-1)$  ogf]  
A188022 19.0822  $-(1+6*x+6*x^2+2*x^3)/(x+1)/(x^3+3*x^2-1)$  lgdogf  
A188022 8.32301 [  $\{a(n+3)-3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
A188048 14.4693 [  $(x-1)*(x+1)/(x^3+3*x^2-1)$  ogf]  
A188048 18.4420  $-x*(-4-3*x+x^3)/(x-1)/(x+1)/(x^3+3*x^2-1)$  lgdogf  
A188048 8.24595 [  $\{a(n+3)-3*a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf]  
A188050 10.7722 [  $20*x*(x+1)/(x-1)^4$  ogf]  
A188050 34.0881 [ 5-x ogf\_with\_Euler\_transform]  
A188050 35.5535  $-(5+3*x)/(x-1)/(x+1)$  lgdogf  
A188050 5.30688 [  $\{(n+2)*a(n+3)-5*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 20, a(2)$   
 $= 100\}$ , ogf]  
A188067 14.3477  $-(1+12*x+10*x^2+12*x^3+5*x^4)/(x-1)/(x+1)/(x^3+2*x^2+x+1)$  lgdogf  
A188067 9.27735 [  $x^2*(x^3+2*x^2+x+1)/(x-1)^4/(x+1)^4$  ogf]  
A188123 8.71627  $-(3+13*x+26*x^2+19*x^3+44*x^4+44*x^5+34*x^6+9*x^7)/(x-1)/(x+1)/$   
 $(1+x+x^2)/(3*x^4+x^3+2*x^2+x+1)$  lgdogf  
A188123 8.97467 [  $(3*x^4+x^3+2*x^2+x+1)/(x^2+x+1)/(x+1)/(x-1)^4$  ogf]  
A188124 5.78457 [  $-2*x*(2*x^6+x^5+4*x^4+5*x^3+5*x^2+4*x+2)/(x^2+1)/(x^2+x+1)/(x$   
 $+1)^2/(x-1)^5$  ogf]  
A188128 8.64623  $-(-2-12*x+15*x^2+x^6+8*x^3-21*x^4-12*x^5)/(x+1)/(x^3-3*x+1)/$   
 $(x^3-6*x^2-6*x+4)$  lgdogf  
A188128 8.81744 [  $(x^3-6*x^2-6*x+4)/(x+1)/(x^3-3*x+1)$  ogf]  
A188129 13.2417  $-(17-156*x+500*x^2-624*x^3+272*x^4)/(x-1)/(-1+2*x)/(4*x-1)/$   
 $(34*x^2-39*x+8)$  lgdogf  
A188129 15.5212 [  $-(34*x^2-39*x+8)/(x-1)/(2*x-1)/(4*x-1)$  ogf]

A188129 8.63786 [  $\{-a(n+3)+7a(n+2)-14a(n+1)+8a(n), a(0) = 8, a(1) = 17, a(2) = 41\}$ , ogf]  
A188134 8.59155 [  $x*(4x^6+2x^5+12x^4+x^3+12x^2+2x+4)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A188135 11.9321 [  $-(x+1)*(7x+1)/(x-1)^3$  ogf]  
A188135 19.8057  $-(11+30x+7x^2)/(x-1)/(7x+1)/(x+1)$  lgdogf  
A188135 6.38474 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 11, a(2) = 37\}$ , ogf]  
A188146 13.5964  $-(3+2x+15x^2+2x^6+19x^3+4x^4+9x^5)/(x-1)/(1+x+x^2)/(x^4+3x^3+x^2+3x+1)$  lgdogf  
A188146 14.7699 [  $(x^4+3x^3+x^2+3x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A188148 12.3094 [  $4x*(x^2-5x-2)/(x-1)^3$  ogf]  
A188148 25.0355  $-(-11-8x+x^2)/(x-1)/(x^2-5x-2)$  lgdogf  
A188148 6.06283 [  $\{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 0, a(1) = 8, a(2) = 44, a(3) = 104\}$ , ogf]  
A188149 10.4764 [  $8x*(x^3-2x^2-7x-1)/(x-1)^3$  ogf]  
A188149 19.8632  $-(-10-18x+x^2)/(x-1)/(x^3-2x^2-7x-1)$  lgdogf  
A188149 5.30899 [  $\{a(n+5)-3a(n+4)+3a(n+3)-a(n+2), a(0) = 0, a(1) = 8, a(2) = 80, a(3) = 232, a(4) = 456\}$ , ogf]  
A188150 17.5266  $-6*(2x+3)*(x-6)/(x-1)/(3x^3+3x^2-30x-26)$  lgdogf  
A188150 4.20781 [  $\{(-13n^2-14n+27)*a(n+1)+(-19n^2-134n-108)*a(n+2)+(32n^2+58n+26)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 104\}$ , ogf]  
A188150 9.37884 [  $4x^2*(3x^3+3x^2-30x-26)/(x-1)^3$  ogf]  
A188151 11.5549  $(100+128x-9x^2-8x^3+2x^4)/(x-1)/(2x^4+7x^3-12x^2-52x-16)$  lgdogf  
A188151 8.11548 [  $8x^2*(2x^4+7x^3-12x^2-52x-16)/(x-1)^3$  ogf]  
A188152 7.29238 [  $4x^2*(5x^5+29x^4+18x^3-186x^2-228x-28)/(x-1)^3$  ogf]  
A188152 8.85788  $2*(156+414x+66x^2-58x^3+2x^4+5x^5)/(x-1)/(5x^5+29x^4+18x^3-186x^2-228x-28)$  lgdogf  
A188153 6.33394 [  $8x^2*(x+2)*(3x^5+18x^4+15x^3-111x^2-99x-7)/(x-1)^3$  ogf]  
A188153 7.50315  $(247+1052x+564x^2+9x^6-204x^3-69x^4+30x^5)/(x+2)/(x-1)/(3x^5+18x^4+15x^3-111x^2-99x-7)$  lgdogf  
A188154 5.83233 [  $4x^2*(7x^7+71x^6+240x^5+72x^4-1028x^3-1680x^2-630x-10)/(x-1)^3$  ogf]  
A188155 5.13956 [  $8x^3*(4x^7+49x^6+222x^5+314x^4-440x^3-1890x^2-1864x-462)/(x-1)^3$  ogf]  
A188161 14.7158 [  $-(14x-5)/(4x-1)/(x-1)$  ogf]  
A188161 16.6053  $-(11-40x+56x^2)/(14x-5)/(x-1)/(4x-1)$  lgdogf  
A188161 8.15572 [  $\{a(n+2)-5a(n+1)+4a(n), a(0) = 5, a(1) = 11\}$ , ogf]  
A188162 4.62262 [  $x*(8x^5-24x^4+32x^3-19x^2-x+1)/(x-1)/(4x-1)/(x+1)/(2x-1)^3$  ogf]  
A188165 16.1435 [  $-(19x-10)/(2x-1)/(x-1)$  ogf]  
A188165 17.7323  $-(11-40x+38x^2)/(19x-10)/(x-1)/(-1+2x)$  lgdogf  
A188165 9.03265 [  $\{a(n+2)-3a(n+1)+2a(n), a(0) = 10, a(1) = 11\}$ , ogf]  
A188167 11.7928 [  $x*(2x^6+x^5+6x^4+8x^3+6x^2+x+2)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A188168 15.3987 [  $(4x-1)/(5x^2+5x-1)$  ogf]  
A188168 17.4462  $-(-1-10x+20x^2)/(4x-1)/(5x^2+5x-1)$  lgdogf  
A188168 8.45052 [  $\{-a(n+2)+5a(n+1)+5a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A188182 7.42951 [  $-(x^5-3x^4+3x^3-3x^2+3x-5)/(x^2+x+1)/(x-1)^4$  ogf]  
A188182 8.63782  $-(-12-12x-21x^2-3x^6+3x^3-7x^4+3x^5+x^7)/(x-1)/(1+x+x^2)/(x^5-3x^4+3x^3-3x^2+3x-5)$  lgdogf  
A188183 4.78987 [  $-(3x^{10}-5x^9-2x^8+3x^7+2x^6+7x^5+2x^4+7x^3+9x^2+8x+12)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A188187 5.99024 [  $-(x^{71}+x^{28}-x^{27}+x^{24}-x^{23}+x^{20}-x^{19}+x^{16}+x^{11}+x^7+x^3)/(-x^{68}-x^{12}-x^8-x^4-1)$  ogf\_with\_Euler\_transform]  
A188212 6.99451 [  $-(8x^5-21x^4+16x^3-10x^2+21x-18)/(x^2+x+1)/(x-1)^4$  ogf]  
A188223 12.1789  $-(1+4x+2x^2+4x^6+2x^3+4x^4+2x^5+2x^7)/(x^3+x^2+1)/(x^5+x^4+x^2+x-1)$  lgdogf  
A188223 12.5464 [  $-(x^3+x^2+1)/(x^5+x^4+x^2+x-1)$  ogf]  
A188225 28.9699  $-(-31+15x)/(x-1)/(x-2)$  lgdogf

A188225 4.38183 [  $\{(2^n+6)a(n+3)+(-37-3^n)a(n+2)+(16+n)a(n+1), a(0) = 2, a(1) = 31, a(2) = 256\}$ , ogf]  
A188237 7.05641 [  $-(7x^5-19x^4+15x^3-7x^2+15x-15)/(x^2+x+1)/(x-1)^4$  ogf]  
A188238 4.52967 [  $-(22x^{10}-37x^9-13x^8+20x^7+7x^6+44x^5-31x^4-10x^3-17x^2+3x+58)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A188270 5.09088 [  $-(x^{12}-2x^{11}+2x^9-x^8-x^7+x^6-x^5+x^4-2x^3+3x^2-x-1)/(x+1)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A188312 20.2694  $1/2/x*(-x^2-1+(x^4+6x^2+1-4x^3)^{1/2})$  revogf  
A188314 23.8464  $1/2/(x+1)*(-1+(1-4x^3+4x)^{1/2})$  revogf  
A188334 7.67548 [  $-(3x^6-5x^5-2x^4+3x^3+3x^2-10)/(x^2+x+1)/(x+1)/(x-1)^4$  ogf]  
A188335 4.56803 [  $-2*(7x^{10}-12x^9-4x^8+7x^7+2x^6+14x^5-9x^4-2x^3-3x^2+3x+20)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A188365 15.1979  $(1-2x+2x^2)/(1-3x+x^2)^2$  lgdegf  
A188377 10.4173 [  $-(2x^3-7x^2+6x-7)/(x-1)^4$  ogf]  
A188377 16.4016  $-2*(-11+2x-4x^2+x^3)/(x-1)/(2x^3-7x^2+6x-7)$  lgdogf  
A188377 4.11349 [  $\{(325n^2+2081n+2862)a(n+1)+(-344n^2-936n+516)a(n+2)+(19n^2-227n-852)a(n+3), a(0) = 7, a(1) = 22, a(2) = 53\}$ , ogf]  
A188378 15.1450 [  $(3x-2)/(x-1)/(x^2-3x+1)$  ogf]  
A188378 16.1036  $-(-5+16x-18x^2+6x^3)/(3x-2)/(x-1)/(1-3x+x^2)$  lgdogf  
A188378 7.10339 [  $\{a(n+3)-4a(n+2)+4a(n+1)-a(n), a(0) = 2, a(1) = 5, a(2) = 12\}$ , ogf]  
A188386 7.09709 [  $-(x^5-x^4-2x^3+14x^2+13x+11)/(x-1)^3/(x+1)^3$  ogf]  
A188386 7.87872  $-(13+94x+59x^2+x^6+52x^3-x^4-2x^5)/(x-1)/(x+1)/(x^5-x^4-2x^3+14x^2+13x+11)$  lgdogf  
A188430 5.24246 [  $-(x^{21}-3x^{17}+2x^{15}+x^{13}+3x^{11}-x^{10}-8x^9+x^8+7x^7-x^6-5x^5+2x^4+x^3-x^2+x-1)/(x+1)/(x-1)^2$  ogf]  
A188441 3.06293 [  $\{(-27n^2-135n-168)a(n+1)+(28n^2+141n+177)a(n+2)+(-n^2-6n-9)a(n+3), a(0) = 1, a(1) = 7, a(2) = 97\}$ , ogf]  
A188442 11.4105  $1/2/(4x^2+1+2x)*(-1-x-2x^2+(5x^2+2x+1)*(2x+1)^2)^{1/2}$  revogf  
A188444 5.70438 [  $(x+1)*(x^2+x+1)*(x^6-x^5+x^4-4x^3+x^2-x+1)/(x^4+1)^3$  ogf]  
A188475 10.2907 [  $-(x^3-5x^2+x-1)/(x-1)^4$  ogf]  
A188475 18.9618  $-(-3-7x-7x^2+x^3)/(x-1)/(x^3-5x^2+x-1)$  lgdogf  
A188475 4.30645 [  $\{(23n^2+130n+168)a(n+1)+(-28n^2-89n-30)a(n+2)+(5n^2+13n-6)a(n+3), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]  
A188477 4.29554 [  $(x^2+x+1)*(x^8+8x^7-14x^4-8x^3+1)/(x^4+1)^3$  ogf]  
A188480 12.9818  $-(10+18x-21x^2+3x^4)/(x-1)/(3x^4-6x^3-x^2+5x+1)$  lgdogf  
A188480 7.39337 [  $-(3x^4-6x^3-x^2+5x+1)/(x-1)^5$  ogf]  
A188491 3.80305 [  $-x*(x^3+2x^2+x+1)*(x^3+x^2-1)/(x^{13}+3x^{12}+3x^{11}+5x^{10}+9x^9+7x^8-3x^7-19x^6-21x^5-13x^4-3x^3-3x^2-x+1)$  ogf]  
A188492 4.40021 [  $2x^2*(x+1)^2/(x^{13}+3x^{12}+3x^{11}+5x^{10}+9x^9+7x^8-3x^7-19x^6-21x^5-13x^4-3x^3-3x^2-x+1)$  ogf]  
A188494 4.06272 [  $x*(x^6+x^5-x^4-x^3-x^2+x+1)/(x^{13}+3x^{12}+3x^{11}+5x^{10}+9x^9+7x^8-3x^7-19x^6-21x^5-13x^4-3x^3-3x^2-x+1)$  ogf]  
A188495 4.40956 [  $-x*(x+1)*(x^6+x^5-x^4-x^3-x^2-x+1)/(x-1)/(x^{13}+3x^{12}+3x^{11}+5x^{10}+9x^9+7x^8-3x^7-19x^6-21x^5-13x^4-3x^3-3x^2-x+1)$  ogf]  
A188496 4.91444 [  $2x^2*(x+1)/(x^{13}+3x^{12}+3x^{11}+5x^{10}+9x^9+7x^8-3x^7-19x^6-21x^5-13x^4-3x^3-3x^2-x+1)$  ogf]  
A188497 4.16075 [  $-x^2*(x^9+2x^8-2x^4-2x^3-5x^2+2)/(x-1)/(x^{13}+3x^{12}+3x^{11}+5x^{10}+9x^9+7x^8-3x^7-19x^6-21x^5-13x^4-3x^3-3x^2-x+1)$  ogf]  
A188498 3.94975 [  $-x*(x+1)*(x^8+x^7-2x^4-2x^2-x+1)/(x-1)/(x^{13}+3x^{12}+3x^{11}+5x^{10}+9x^9+7x^8-3x^7-19x^6-21x^5-13x^4-3x^3-3x^2-x+1)$  ogf]

+1) ogf]  
A188501 6.05385 [  $-(x^5+2x^4-x^3-5x^2-4x-4)/(x^3-2x^2+x-1)/(x^3+3x^2+2x-1)$  ogf]  
A188510 16.5474 [  $x*(x^2+1)/(x^4+1)$  ogf]  
A188510 20.0838 [  $x*(x^6-2x^2+1)$  ogf\_with\_Euler\_transform]  
A188510 31.2480  $-2*x*(-1+2*x^2+x^4)/(x^2+1)/(1+x^4)$  lgdogf  
A188510 8.65853 [  $\{a(n+4)+a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 1\}$ , ogf]  
A188511 11.2338 [  $x^2*(x^8+x^7+x^6+x^4+x^3+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A188512 14.2194 [  $-(x^6+x^5+2x^4+x^3+2x^2+x+2)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A188516 6.29899 [  $-(x^5-2x^4-4x^3+7x^2-4)/(x-1)/(x+1)/(x^2-3x+1)/(x^2+x-1)$  ogf]  
A188526 13.3401 [  $-7*(9x-4)/(9x-1)/(2x-1)$  ogf]  
A188526 14.2642  $-(35-144x+162x^2)/(9x-4)/(-1+2x)/(-1+9x)$  lgdogf  
A188526 7.51340 [  $\{a(n+2)-11a(n+1)+18a(n), a(0) = 28, a(1) = 245\}$ , ogf]  
A188527 15.9999 [  $-(9x-4)/(9x-1)/(2x-1)$  ogf]  
A188527 16.4404  $-(35-144x+162x^2)/(9x-4)/(-1+2x)/(-1+9x)$  lgdogf  
A188527 8.84701 [  $\{a(n+2)-11a(n+1)+18a(n), a(0) = 4, a(1) = 35\}$ , ogf]  
A188530 4.26116 [  $\{-a(n+3)+7a(n+2)-14a(n+1)+8a(n), a(0) = 2, a(1) = 21, a(2) = 107\}$ , ogf]  
A188530 6.79313  $-(21+80x-34x^2-112x^3+96x^4)/(x-1)/(4x-1)/(-1+2x)/(12x^2-7x-2)$  lgdogf  
A188530 7.84595 [  $(12x^2-7x-2)/(x-1)/(2x-1)/(4x-1)$  ogf]  
A188538 7.22734  $-2*(1-4x+6x^2+2x^6-5x^3+8x^4-9x^5)/(x-1)/(x^2+x-1)/(2x^4-6x^3+2x^2+2x-1)$  lgdogf  
A188538 8.69727 [  $-(2x^4-6x^3+2x^2+2x-1)/(x-1)^2/(x^2+x-1)^2$  ogf]  
A188551 10.9064 [  $(x+1)*(x^2+1)*(x^2-x+1)*(x^3-x-1)/(x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]  
A188554 10.6406 [  $-(2x^3-8x^2+9x-4)/(x-1)^4$  ogf]  
A188554 16.4085  $-(7+11x-10x^2+2x^3)/(x-1)/(2x^3-8x^2+9x-4)$  lgdogf  
A188554 4.31226 [  $\{(2n+4)*a(n+1)+(-3n+1)*a(n+2)+(n-2)*a(n+3), a(0) = 4, a(1) = 7, a(2) = 12, a(3) = 20, a(4) = 32, a(5) = 49\}$ , ogf]  
A188555 11.8950  $-(9-22x+27x^2-12x^3+3x^4)/(x-1)/(3x^4-12x^3+21x^2-16x+5)$  lgdogf  
A188555 3.80459 [  $\{(2n+4)*a(n+1)+(-3n+3)*a(n+2)+(n-3)*a(n+3), a(0) = 5, a(1) = 9, a(2) = 16, a(3) = 28, a(4) = 48, a(5) = 80, a(6) = 129\}$ , ogf]  
A188555 7.91976 [  $-(3x^4-12x^3+21x^2-16x+5)/(x-1)^5$  ogf]  
A188556 6.61665 [  $-(3x^5-18x^4+39x^3-44x^2+25x-6)/(x-1)^6$  ogf]  
A188556 9.41226  $-(11+37x-59x^2+45x^3-21x^4+3x^5)/(x-1)/(3x^5-18x^4+39x^3-44x^2+25x-6)$  lgdogf  
A188557 5.61596 [  $-(4x^6-24x^5+66x^4-96x^3+80x^2-36x+7)/(x-1)^7$  ogf]  
A188557 7.77058  $-(13-56x+112x^2+4x^6-120x^3+78x^4-24x^5)/(x-1)/(4x^6-24x^5+66x^4-96x^3+80x^2-36x+7)$  lgdogf  
A188558 4.85442 [  $-(4x^7-32x^6+102x^5-184x^4+200x^3-132x^2+49x-8)/(x-1)^8$  ogf]  
A188559 4.06938 [  $-(5x^8-40x^7+150x^6-320x^5+430x^4-372x^3+203x^2-64x+9)/(x-1)^9$  ogf]  
A188570 9.52368 [  $-(x-1)*(4x^2+2x-1)/(8x^4-16x^3+4x^2+4x-1)$  ogf]  
A188571 9.86235 [  $-x*(2x^2-2x+1)/(8x^4-16x^3+4x^2+4x-1)$  ogf]  
A188572 10.9591 [  $x*(2x-1)/(8x^4-16x^3+4x^2+4x-1)$  ogf]  
A188573 10.1001 [  $2x^2*(x-1)/(8x^4-16x^3+4x^2+4x-1)$  ogf]  
A188578 15.2336 [  $x^{14}-x^2*(x^3+x^2+1)$  ogf\_with\_Euler\_transform]  
A188578 8.20698 [  $(x^2-x+1)*(x^2+x+1)*(x+1)*(x-1)^2/(x^8-x^7+x^5-x^4+x^3-x+1)$  ogf]  
A188580 12.1135 [  $-(x^4+x^3+x^2+x+1)/(4x^4+4x^3+4x^2+4x-1)$  ogf]  
A188580 15.3988  $-5*(1+2x+3x^2+4x^3)/(x^4+x^3+x^2+x+1)/(4x^4+4x^3+4x^2+4x-1)$  lgdogf  
A188588 11.0564 [  $1/2*(2x^3-3x^2+2)/(x-1)^2$  egf]  
A188588 15.8471  $2*(x-2)*(x^2-x+1)/(x-1)/(2x^3-3x^2+2)$  lgdegf  
A188588 3.11988 [  $\{(3n^2+9n)*a(n+1)-3n*a(n+2)+(-n^2-9n-20)*a(n+3)+(n+4)*a(n$

+4), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 12}, ogf]  
A188589 10.0531 [ (3\*x^3-6\*x^2+3\*x-1)/(2\*x-1)/(x-1)^2 ogf]  
A188589 12.3624 -(1+3\*x-9\*x^2+3\*x^3)/(x-1)/(-1+2\*x)/(3\*x^3-6\*x^2+3\*x-1) lgdogf  
A188589 5.21553 [{a(n+4)-4\*a(n+3)+5\*a(n+2)-2\*a(n+1), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 14}, ogf]  
A188599 21.3961 [ x/(25\*x^2-6\*x+1) ogf]  
A188599 24.8517 -2\*(-3+25\*x)/(25\*x^2+1-6\*x) lgdogf  
A188599 8.87155 [{a(n+2)-6\*a(n+1)+25\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A188622 11.8576 -(3-10\*x+4\*x^2)/(x-1)/(-1+2\*x)/(4\*x-1) lgdogf  
A188622 3.62907 [ {(-n-4)\*a(n+4)+(24+7\*n)\*a(n+3)+(-38-14\*n)\*a(n+2)+(12+8\*n)\*a(n+1), a(0) = 1, a(1) = 3, a(2) = 10, a(3) = 34}, ogf]  
A188623 13.6247 [ (x^2-x+1)\*(x^2-x-1)/(x^2+x+1)/(x-1)^3 ogf]  
A188623 17.8400 -(-2-9\*x^2+x^6+2\*x^3+x^4-2\*x^5)/(x-1)/(1+x+x^2)/(x^2-x+1)/(x^2-x-1) lgdogf  
A188626 10.0485 -(-3+13\*x-21\*x^2+11\*x^3+2\*x^4)/(x-1)/(-1+2\*x)/(x^3+2\*x^2-3\*x+1) lgdogf  
A188626 8.18382 [ (x^3+2\*x^2-3\*x+1)/(2\*x-1)^2/(x-1)^2 ogf]  
A188643 10.8132 [ -(x^23-x^22+x^12-x^11+x^4-x^3+2\*x^2+7\*x-10)/(x-1)^2 ogf]  
A188652 13.9227 [ -x\*(x^3+x^2-3\*x-1)/(x-1)^2/(x+1)^3 ogf]  
A188652 28.1959 -2\*(-1-5\*x^2+x^3+x^4)/(x-1)/(x+1)/(x^3+x^2-3\*x-1) lgdogf  
A188653 19.7729 [ (x^3+x^2-3\*x-1)/(x-1)/(x+1)^3 ogf]  
A188653 32.0597 -(-1+4\*x-8\*x^2+x^4)/(x-1)/(x+1)/(x^3+x^2-3\*x-1) lgdogf  
A188653 5.83047 [ {(-n^2-5\*n-6)\*a(n+1)+(-4\*n^2-30\*n-54)\*a(n+2)+(n^2+11\*n+28)\*a(n+3)+(4\*n^2+24\*n+32)\*a(n+4), a(0) = 1, a(1) = 1, a(2) = -3, a(3) = 7}, ogf]  
A188662 3.72365 [ {(729\*n^4+4374\*n^3+9801\*n^2+9720\*n+3600)\*a(n+1)+(-16\*n^4-112\*n^3-292\*n^2-336\*n-144)\*a(n+2), a(0) = 1, a(1) = 9}, ogf]  
A188667 22.2126 -(-7-6\*x+3\*x^2)/(x-1)/(x^2-2\*x-1) lgdogf  
A188667 3.93744 [ {(-117\*n^2-789\*n-1110)\*a(n+1)+(176\*n^2+529\*n-609)\*a(n+2)+(-59\*n^2+28\*n+87)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 3}, ogf]  
A188667 8.50849 [ 3\*x^2\*(x^2-2\*x-1)/(x-1)^5 ogf]  
A188670 7.46157 [ -(3\*x^8+6\*x^7+3\*x^6+2\*x^5+6\*x^4+3\*x^3-5\*x^2-6\*x-3)/(x-1)/(x^2+x+1)/(x^6+x^3-1) ogf]  
A188675 3.17476 [ {(27\*n^2+135\*n+168)\*a(n+1)+(-31\*n^2-157\*n-198)\*a(n+2)+(4\*n^2+22\*n+30)\*a(n+3), a(0) = 1, a(1) = 4, a(2) = 19}, ogf]  
A188676 3.14220 [ {(27\*n^2+135\*n+168)\*a(n+1)+(23\*n^2+113\*n+138)\*a(n+2)+(-4\*n^2-22\*n-30)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 13}, ogf]  
A188678 3.37277 [ {(27\*n^2+135\*n+168)\*a(n+1)+(23\*n^2+109\*n+126)\*a(n+2)+(-4\*n^2-26\*n-42)\*a(n+3), a(0) = 1, a(1) = 0, a(2) = 3}, ogf]  
A188681 3.43223 [ {(-729\*n^4-4374\*n^3-9801\*n^2-9720\*n-3600)\*a(n+1)+(16\*n^4+128\*n^3+380\*n^2+496\*n+240)\*a(n+2), a(0) = 1, a(1) = 3}, ogf]  
A188687 17.4462 1/2/(1+x+x^3)\*(1+2\*x^2+(1-4\*x)^(1/2))\*x revogf  
A188696 13.1283 -2\*(-13-26\*x^2+4\*x^3-13\*x^4+2\*x^5)/(x^2+1)/(2\*x^4-26\*x^3+x^2-26\*x+1) lgdogf  
A188696 13.5031 [ (x^2+1)/(2\*x^4-26\*x^3+x^2-26\*x+1) ogf]  
A188697 12.3990 -2\*(-13-52\*x^2+8\*x^3-52\*x^4+8\*x^5)/(2\*x^2+1)/(4\*x^4-52\*x^3+2\*x^2-26\*x+1) lgdogf  
A188697 13.5031 [ (2\*x^2+1)/(4\*x^4-52\*x^3+2\*x^2-26\*x+1) ogf]  
A188700 6.60454 [ -(x^4+2\*x^3-5\*x^2-13\*x-8)/(x+1)/(x^4-6\*x^2-2\*x+1) ogf]  
A188701 3.89445 [ -(x^7-4\*x^6-9\*x^5+20\*x^4+43\*x^3-12\*x^2-39\*x-16)/(x+1)/(x^2-2\*x-1)/(x^5-4\*x^4-5\*x^3+9\*x^2+4\*x-1) ogf]  
A188707 13.5319 [ -(4\*x-5)/(3\*x^2-5\*x+1) ogf]  
A188707 15.2967 -3\*(7-10\*x+4\*x^2)/(4\*x-5)/(3\*x^2-5\*x+1) lgdogf  
A188707 7.33657 [{a(n+2)-5\*a(n+1)+3\*a(n), a(0) = 5, a(1) = 21}, ogf]  
A188708 5.19088 [{a(n+3)-8\*a(n+2)+12\*a(n+1)-4\*a(n), a(0) = 8, a(1) = 49, a(2) = 304}, ogf]  
A188708 8.43084 -(49-176\*x+212\*x^2-120\*x^3+32\*x^4)/(8\*x^2-15\*x+8)/(4\*x^3-12\*x^2+8\*x-1) lgdogf  
A188708 9.55781 [ -(8\*x^2+15\*x+8)/(4\*x^3-12\*x^2+8\*x-1) ogf]  
A188709 6.18916 [ (4\*x^4-33\*x^3+49\*x^2-49\*x+13)/(x-1)/(5\*x^3-24\*x^2+12\*x-1) ogf]  
A188710 4.29752 [ (189\*x^5-553\*x^4+400\*x^3-388\*x^2+153\*x-21)/(36\*x^5-157\*x^4+217\*x^3-112\*x^2+21\*x-1) ogf]



A188714 15.1329 [  $-(x^2+1)*(x+1)/(3*x^3+3*x^2+3*x-1)$  ogf]  
A188714 20.6113  $-4*(1+2*x+3*x^2)/(x+1)/(x^2+1)/(3*x^3+3*x^2+3*x-1)$  lgdogf  
A188714 7.79231 [  $\{-a(n+4)+3*a(n+3)+3*a(n+2)+3*a(n+1), a(0) = 1, a(1) = 4, a(2) = 16, a(3) = 64\}$ , ogf]  
A188716 12.7215 [  $-(8*x^3-11*x^2+5*x-1)/(2*x-1)^2/(x-1)^2$  ogf]  
A188716 16.1836  $-(1-x+6*x^2-20*x^3+16*x^4)/(x-1)/(-1+2*x)/(8*x^3-11*x^2+5*x-1)$  lgdogf  
A188748 5.13922 [  $-(12*x^5+36*x^4+8*x^3-12*x^2-7*x-7)/(12*x^6+30*x^5-10*x^4-11*x^3+2*x^2-6*x+1)$  ogf]  
A188765 10.9644 [  $-(x^6+2*x^5+3*x^4+2*x^3+x^2+x+1)/(x^7+2*x^6+2*x^5+x^4+x^2+x-1)$  ogf]  
A188778 13.8393  $-2*(19+46*x+35*x^2+10*x^3)/(x-1)/(x+1)/(5*x^2+10*x+7)$  lgdogf  
A188778 8.41518 [  $-4*x^2*(5*x^2+10*x+7)/(x+1)/(x-1)^5$  ogf]  
A188779 5.31595 [  $8*x^2*(14*x^4+43*x^3+63*x^2+29*x+3)/(x+1)^2/(x-1)^6$  ogf]  
A188779 8.46251  $-(41+266*x+584*x^2+606*x^3+271*x^4+56*x^5)/(x-1)/(x+1)/(14*x^4+43*x^3+63*x^2+29*x+3)$  lgdogf  
A188780 3.85930 [  $-8*x^2*(84*x^6+357*x^5+829*x^4+790*x^3+394*x^2+69*x+1)/(x+1)^3/(x-1)^7$  ogf]  
A188785 22.1063  $-3*(x+9)*(x+1)/(x-1)/(x^2+7*x+4)$  lgdogf  
A188785 3.51816 [  $\{(12+4*n)*a(n+4)+(-21+3*n)*a(n+3)+(-36-6*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 64, a(2) = 432, a(3) = 1536\}$ , ogf]  
A188785 8.24947 [  $-16*x*(x^2+7*x+4)/(x-1)^5$  ogf]  
A188786 11.1542  $-(-243-526*x-66*x^2-6*x^3+x^4)/(x-1)/(x^4-5*x^3-17*x^2-123*x-24)$  lgdogf  
A188786 6.82991 [  $8*x*(x^4-5*x^3-17*x^2-123*x-24)/(x-1)^5$  ogf]  
A188787 5.64738 [  $16*x*(4*x^5-19*x^4+35*x^3-194*x^2-378*x-36)/(x-1)^5$  ogf]  
A188787 8.67416  $-(-558-1900*x-477*x^2-6*x^3+x^4)/(x-1)/(4*x^5-19*x^4+35*x^3-194*x^2-378*x-36)$  lgdogf  
A188788 4.83718 [  $8*x*(27*x^6-23*x^5-305*x^4+877*x^3-4506*x^2-3966*x-192)/(x-1)^5$  ogf]  
A188789 4.14850 [  $16*x*(32*x^7+137*x^6-697*x^5+228*x^4+1656*x^3-19368*x^2-9600*x-264)/(x-1)^5$  ogf]  
A188790 3.71107 [  $8*x*(125*x^8+1231*x^7-227*x^6-15865*x^5+30306*x^4-27786*x^3-280740*x^2-87276*x-1248)/(x-1)^5$  ogf]  
A188793 9.32121 [  $(8*x^5+16*x^4+2*x^3-9*x^2-6*x-1)/(x+1)/(3*x^2-1)$  ogf]  
A188802 13.3667 [  $(x^2+1)/(x^4+2*x^3-2*x+1)$  ogf]  
A188802 14.7063  $-2*(-1-x+4*x^2+2*x^3+x^4+x^5)/(x^2+1)/(x^4+2*x^3-2*x+1)$  lgdogf  
A188805 17.6926 [  $-1/(x^2+3*x+1)$  egf]  
A188805 29.9153  $-(3+2*x)/(x^2+1+3*x)$  lgdegf  
A188805 4.08290 [  $\{(n^2+5*n+6)*a(n+1)+(3*n+9)*a(n+2)+a(n+3), a(0) = -1, a(1) = 3, a(2) = -16\}$ , ogf]  
A188819 11.8188 [  $-(x^3-2*x^2+9*x+8)/(x+1)/(x-1)^3$  ogf]  
A188819 14.0383  $-(25+46*x+26*x^2-2*x^3+x^4)/(x-1)/(x+1)/(x^3-2*x^2+9*x+8)$  lgdogf  
A188820 9.37884 [  $(16*x^4-41*x^3-94*x^2-105*x-32)/(x+1)/(x-1)^3$  ogf]  
A188820 9.92070  $(169+526*x+626*x^2+206*x^3+9*x^4)/(x-1)/(x+1)/(16*x^4-41*x^3-94*x^2-105*x-32)$  lgdogf  
A188821 10.0477  $(441+828*x+390*x^2-164*x^3+41*x^4)/(x-1)/(41*x^4-75*x^3-165*x^2-249*x-64)$  lgdogf  
A188821 8.89986 [  $(41*x^4-75*x^3-165*x^2-249*x-64)/(x-1)^3$  ogf]  
A188822 6.80312 [  $4*(36*x^6-8*x^5-72*x^4-329*x^3-394*x^2-225*x-32)/(x+1)/(x-1)^3$  ogf]  
A188823 6.42848 [  $(337*x^6-163*x^5-108*x^4-2388*x^3-3357*x^2-2257*x-256)/(x-1)^3$  ogf]  
A188825 17.5734 [  $8*(x-1)/(3*x-1)$  ogf]  
A188825 42.4892  $2/(3*x-1)/(x-1)$  lgdogf  
A188825 8.90704 [  $\{a(n+2)-3*a(n+1), a(0) = 8, a(1) = 16\}$ , ogf]  
A188826 5.17715 [  $(7*x^6-39*x^5-5*x^4+128*x^3-74*x^2-23*x+16)/(x^3-6*x^2+5*x-1)/(x^3+2*x^2-2*x-1)$  ogf]  
A188827 6.27098  $(9-12*x-36*x^2+16*x^3+64*x^4+12*x^5)/(2*x^2-1)/(2*x^2-4*x+1)/(20*x^4-44*x^3+6*x^2+23*x-8)$  lgdogf

A188827 7.40429 [  $4*(20*x^4-44*x^3+6*x^2+23*x-8)/(2*x^2-1)/(2*x^2-4*x+1)$  ogf]  
A188829 6.80468  $(4-12*x-33*x^2+225*x^6+130*x^3-300*x^5)/(5*x^2-1)/(5*x^2-5*x+1)/(170*x^4-179*x^3+6*x^2+36*x-8)$  lgdogf  
A188829 7.24647 [  $16*(170*x^4-179*x^3+6*x^2+36*x-8)/(5*x^2-1)/(5*x^2-5*x+1)$  ogf]  
A188838 11.8233  $-(-55+88*x-36*x^2-8*x^3+6*x^4)/(x-1)/(x^5+x^4-6*x^3-6*x^2+25*x-16)$  lgdogf  
A188838 7.57136 [  $(x^5+x^4-6*x^3-6*x^2+25*x-16)/(x-1)^5$  ogf]  
A188839 5.70448 [  $(x^7+4*x^6-12*x^5-20*x^4+64*x^3-20*x^2-48*x+32)/(x-1)^6$  ogf]  
A188840 4.61390 [  $(x^9+6*x^8-6*x^7-67*x^6+88*x^5+174*x^4-406*x^3+202*x^2+71*x-64)/(x-1)^7$  ogf]  
A188841 3.60660 [  $(x^{11}+8*x^{10}+3*x^9-96*x^8-58*x^7+700*x^6-605*x^5-992*x^4+1981*x^3-1032*x^2-37*x+128)/(x-1)^8$  ogf]  
A188861 15.8001 [  $(2*x^2+9*x+16)/(x-1)^2$  ogf]  
A188861 27.0155  $-(41+13*x)/(x-1)/(2*x^2+9*x+16)$  lgdogf  
A188861 8.12578 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 16, a(1) = 41, a(2) = 68\}$ , ogf]  
A188862 12.6690 [  $(2*x^3+12*x^2+35*x+32)/(x-1)^2$  ogf]  
A188862 15.5998  $(-99-59*x-6*x^2+2*x^3)/(x-1)/(2*x^3+12*x^2+35*x+32)$  lgdogf  
A188862 6.75682 [  $\{a(n+4)-2*a(n+3)+a(n+2), a(0) = 32, a(1) = 99, a(2) = 178, a(3) = 259\}$ , ogf]  
A188863 10.8262 [  $(2*x^4+14*x^3+52*x^2+111*x+64)/(x-1)^2$  ogf]  
A188863 11.5602  $(-239-215*x-42*x^2+6*x^3+4*x^4)/(x-1)/(2*x^4+14*x^3+52*x^2+111*x+64)$  lgdogf  
A188864 8.98699  $(-577-709*x-204*x^2+4*x^3+22*x^4+6*x^5)/(x-1)/(2*x^5+16*x^4+68*x^3+194*x^2+321*x+128)$  lgdogf  
A188864 9.15816 [  $(2*x^5+16*x^4+68*x^3+194*x^2+321*x+128)/(x-1)^2$  ogf]  
A188865 8.28612 [  $(2*x^6+18*x^5+86*x^4+280*x^3+664*x^2+881*x+256)/(x-1)^2$  ogf]  
A188868 6.93198  $-(49-54*x-57*x^2+4*x^6+28*x^3+36*x^4-24*x^5)/(x-1)/(2*x^3-6*x^2+7)/(2*x^3-3*x^2-6*x+1)$  lgdogf  
A188868 8.33059 [  $-(2*x^3-6*x^2+7)/(x-1)/(2*x^3-3*x^2-6*x+1)$  ogf]  
A188869 3.87809 [  $(4*x^7-17*x^6+65*x^5-91*x^4-32*x^3+88*x^2-13)/(4*x^7-53*x^6+109*x^5-44*x^4-8*x^3-16*x^2+13*x-1)$  ogf]  
A188899 11.0466  $-(5-38*x+59*x^4-12*x^5+x^6+114*x^2-114*x^3)/(x-1)/(x^2-5*x+1)/(x^4-11*x^3+25*x^2-11*x+1)$  lgdogf  
A188899 12.3122 [  $-(x-1)*(x^2-5*x+1)/(x^4-11*x^3+25*x^2-11*x+1)$  ogf]  
A188918 3.06293 [  $\{(27*n^2+135*n+168)*a(n+1)+(26*n^2+129*n+159)*a(n+2)+(-n^2-6*n-9)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 85\}$ , ogf]  
A188946 8.45797 [hypergeom([1/3, 2/3],[1, 1],27\*x)\*exp(x), egf]  
A188947 10.4849 [  $-(x^3-8*x^2+3*x-2)/(x-1)^4$  ogf]  
A188947 18.0088  $-(5-7*x+x^3-13*x^2)/(x-1)/(x^3-8*x^2+3*x-2)$  lgdogf  
A188947 4.27162 [  $\{(109*n^2+578*n+720)*a(n+1)+(-128*n^2-333*n+21)*a(n+2)+(19*n^2+25*n-96)*a(n+3), a(0) = 2, a(1) = 5, a(2) = 16\}$ , ogf]  
A188986 6.56368  $-(49+2*x+4*x^6-24*x^5+64*x^4-24*x^3-35*x^2)/(x+1)/(2*x^3-6*x^2+7*x-1)/(2*x^3-6*x^2+7*x+7)$  lgdogf  
A188986 7.74221 [  $-(2*x^3-6*x^2+7*x+7)/(x+1)/(2*x^3-6*x^2+7*x-1)$  ogf]  
A188987 4.35779 [  $-4*(x^3-2*x^2+x+1)*(4*x^3-10*x^2+6*x+3)/(x-1)/(16*x^6-32*x^5+4*x^4+28*x^3-8*x^2-8*x+1)$  ogf]  
A188988 3.36016 [  $-4*(576*x^7-1560*x^6+480*x^5+500*x^4-38*x^3-6*x^2-35*x-5)/(2*x+1)/(2*x-1)/(60*x^4-80*x^3+13*x-1)$  ogf]  
A189003 6.34119 [  $-(x-1)*(x+1)*(x^4+x^3-6*x^2+x+1)/(x^8-15*x^6+32*x^4-15*x^2+1)$  ogf]  
A189023 6.97753 [  $(6*x^49-8*x^48+4*x^33+3*x^31-6*x^16+6*x^15-3)/(x-1)/(2*x^49-4*x^33-3*x^32+3)$  ogf]  
A189050 17.7480 [  $-(x^3+x^2+x+3)/(x^4+2*x^2-1)$  ogf]  
A189050 17.7833  $-(1+14*x+x^4+12*x^3+x^6+2*x^5+5*x^2)/(x^3+x^2+x+3)/(x^4+2*x^2-1)$  lgdogf  
A189052 12.2656 [  $x^3*(x-1)/(x+1)/(2*x-1)^3$  ogf]  
A189052 22.7784  $-2*(-2-2*x+3*x^2)/(x-1)/(2*x-1)/(x+1)$  lgdogf  
A189052 4.94927 [  $\{(-2*n^2-6*n)*a(n)+(-n^2-5*n-2)*a(n+1)+(n^2+n-2)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]

A189054 21.1773  $-I/((2*x-1)*(2*x+1))^{(3/2)}$  lgdegf  
A189059 4.23083  $[-4*(16*x^6-60*x^5+69*x^4-9*x^3-21*x^2+3)/(64*x^7-176*x^6+100*x^5+64*x^4-40*x^3-20*x^2+12*x-1)$  ogf]  
A189071 26.0842  $[(x+2)^{10}$  egf]  
A189071 6.10482  $[{-n+9)*a(n+1)-2*a(n+2), a(0) = 1024, a(1) = 5120}$ , ogf]  
A189101 12.8809  $[-1/(x^7+x^6+x^4+x^3+x^2+x-1)$  ogf]  
A189101 13.3019  $-(1+2*x+4*x^3+7*x^6+6*x^5+3*x^2)/(x^2-1+x*x^4+x^3+x^7+x^6)$  lgdogf  
A189105 4.23173  $[-4*(2*x^8-6*x^7+20*x^5-21*x^4-5*x^3+12*x^2-2*x-2)/(2*x^3-6*x^2+7*x-1)/(4*x^6-14*x^4+6*x^2-1)$  ogf]  
A189145 5.01083  $[-(x^7-3*x^6+3*x^5-6*x^4+x^3+4*x^2-2*x+1)/(x-1)/(x+1)/(x^2-3*x+1)/(x^4+3*x^2+1)$  ogf]  
A189154 4.35908  $[-(x^9+x^7-8*x^6-x^5-4*x^4+15*x^3-4*x^2-4)/(x-1)/(x^3+x^2+x-1)/(x^3+x^2+3*x-1)/(x^3-x^2-x-1)$  ogf]  
A189173 16.7244  $[x*(x+1)/(x^2-46*x+1)$  ogf]  
A189173 25.0724  $-(-47+2*x*x^2)/(x+1)/(x^2-46*x+1)$  lgdogf  
A189173 8.11865  $[{a(n+3)-46*a(n+2)+a(n+1), a(0) = 0, a(1) = 1, a(2) = 47}$ , ogf]  
A189179 5.50422  $[{a(n+3)-5*a(n+2)-4*a(n+1)+16*a(n), a(0) = 1, a(1) = 9, a(2) = 33}$ , ogf]  
A189179 9.18085  $-(16*x^2-12*x+3)*(16*x^2+4*x+3)/(16*x^2-4*x-1)/(16*x^3-4*x^2-5*x+1)$  lgdogf  
A189179 9.96002  $[-(16*x^2-4*x-1)/(16*x^3-4*x^2-5*x+1)$  ogf]  
A189197 4.01724  $[-2*(x-1)*(x^2-2*x-2)*(8*x^3-12*x^2+3)/(16*x^7-56*x^6+16*x^5+82*x^4-52*x^3-14*x^2+12*x-1)$  ogf]  
A189229 12.6601  $[-(906150256*x-906150257)/(x-1)^2$  ogf]  
A189229 7.88027  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 906150257, a(1) = 906150258}$ , ogf]  
A189234 8.51015  $[-(3*x^4+6*x^3-12*x^2-4*x+5)/(x^5-3*x^4-3*x^3+4*x^2+x-1)$  ogf]  
A189235 7.33084  $[(2*x^4-10*x^3-6*x^2+16*x-5)/(x^5+2*x^4-5*x^3-2*x^2+4*x-1)$  ogf]  
A189236 7.31339  $[(4*x^4+4*x^3-15*x^2-8*x+5)/(x^5+4*x^4+2*x^3-5*x^2-2*x+1)$  ogf]  
A189237 7.05414  $[-(x^4+8*x^3-9*x^2-12*x+5)/(x^5-x^4-4*x^3+3*x^2+3*x-1)$  ogf]  
A189244 25.8757  $(3+2*x)/(x^2+3*x+1)^2$  lgdegf  
A189247 5.30014  $[{a(n+3)-6*a(n+2)-12*a(n+1)+16*a(n), a(0) = 2, a(1) = 24, a(2) = 152}$ , ogf]  
A189247 9.07661  $-4*(3+2*x+32*x^4-48*x^3+18*x^2)/(8*x^2-6*x-1)/(16*x^3-12*x^2-6*x+1)$  lgdogf  
A189247 9.54025  $[-2*(8*x^2-6*x-1)/(16*x^3-12*x^2-6*x+1)$  ogf]  
A189258 4.28279  $[-(56*x^7-132*x^6+12*x^5+62*x^4-18*x^3-7*x-7)/(56*x^8-140*x^7+6*x^6+50*x^5-x^4+2*x^2-6*x+1)$  ogf]  
A189274 10.5052  $[{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 9}$ , ogf]  
A189274 20.4426  $[-(4*x+1)/(5*x-1)$  ogf]  
A189274 41.3147  $-9/(4*x+1)/(5*x-1)$  lgdogf  
A189305 6.21723  $-(14+34*x-42*x^4+4*x^3+19*x^6+32*x^2+x^8-8*x^7)/(x^2-2*x-2)/(x^2-2*x-1)/(x^5-4*x^4+8*x^2+4*x-1)$  lgdogf  
A189305 7.09194  $[-(x^2-2*x-2)*(x^2-2*x-1)/(x^5-4*x^4+8*x^2+4*x-1)$  ogf]  
A189315 12.9947  $[5*(x^2-3*x+1)/(5*x^2-5*x+1)$  ogf]  
A189315 16.8010  $2*(1-4*x+5*x^2)/(x^2-3*x+1)/(5*x^2-5*x+1)$  lgdogf  
A189315 6.74727  $[{a(n+3)-5*a(n+2)+5*a(n+1), a(0) = 5, a(1) = 10, a(2) = 30}$ , ogf]  
A189316 12.4204  $[-5*(x^2+x-1)/(x+1)/(x^2-3*x+1)$  ogf]  
A189316 14.3110  $-(1+2*x+x^4+2*x^3-3*x^2)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  lgdogf  
A189316 6.70480  $[{-a(n+3)+2*a(n+2)+2*a(n+1)-a(n), a(0) = 5, a(1) = 5, a(2) = 15}$ , ogf]  
A189317 12.3097  $[5*(x^2-6*x+1)/(5*x^2-10*x+1)$  ogf]  
A189317 15.8346  $4*(1-2*x+5*x^2)/(x^2-6*x+1)/(5*x^2-10*x+1)$  lgdogf  
A189317 6.38712  $[{a(n+3)-10*a(n+2)+5*a(n+1), a(0) = 5, a(1) = 20, a(2) = 180}$ , ogf]  
A189318 12.9117  $[-5*(2*x-1)/(x-1)/(4*x^2+2*x-1)$  ogf]  
A189318 13.6840  $-(1+4*x+16*x^3-16*x^2)/(x-1)/(2*x-1)/(4*x^2+2*x-1)$  lgdogf  
A189318 6.17020  $[{-a(n+3)+3*a(n+2)+2*a(n+1)-4*a(n), a(0) = 5, a(1) = 5, a(2) = 25}$ , ogf]

A189320 12.7109 [  $(x^4+x^3+2x^2-3x+5)/(x-1)^2$  ogf]  
A189320 16.5541  $(-7-x+2x^4-3x^3-3x^2)/(x-1)/(x^4+x^3+2x^2-3x+5)$  lgdogf  
A189321 8.20750 [  $(x^7+x^6+x^5-x^4-x^3-5x^2+9x-7)/(x-1)^3$  ogf]  
A189321 9.56930  $2*(6-4x-3x^4+2x^3-2x^6-2x^5+4x^2+2x^7)/(x-1)/(x^7+x^6+x^5-x^4-x^3-5x^2+9x-7)$  lgdogf  
A189322 8.39174  $(-12-6x-27x^4-33x^3-x^6-3x^5-9x^2+15x^7)/(x-1)/(3x^7+5x^6+9x^5+9x^4+3x^3+5x^2-4x+8)$  lgdogf  
A189322 8.82983 [  $(3x^7+5x^6+9x^5+9x^4+3x^3+5x^2-4x+8)/(x-1)^2$  ogf]  
A189323 6.69270 [  $(x^{10}+4x^9+5x^8+5x^7-4x^6-5x^5-8x^4-12x^2+12x-10)/(x-1)^3$  ogf]  
A189324 6.98439 [  $(5x^9+14x^8+25x^7+30x^6+26x^5+20x^4+6x^3+8x^2-5x+11)/(x-1)^2$  ogf]  
A189325 4.60564 [  $(x^{13}+7x^{12}+10x^{11}+2x^{10}-10x^9-14x^8-21x^7+7x^6+3x^5+10x^4-9x^3+31x^2-28x+13)/(x-1)^4$  ogf]  
A189327 15.7003 [  $(3x^2+6x+2)/(x+1)^2/(x-1)^2$  ogf]  
A189327 18.2988  $-2*(3+7x+3x^3+9x^2)/(x-1)/(x+1)/(3x^2+6x+2)$  lgdogf  
A189334 11.8720 [  $(x^2-6x+1)/(5x^2-10x+1)$  ogf]  
A189334 14.9787  $4*(1-2x+5x^2)/(x^2-6x+1)/(5x^2-10x+1)$  lgdogf  
A189334 6.16429 [  $\{a(n+3)-10a(n+2)+5a(n+1), a(0) = 1, a(1) = 4, a(2) = 36\}$ , ogf]  
A189336 4.01643 [  $-(x^9+x^7-5x^6-3x^5-4x^4+9x^3+4x^2+4)/(x^2-x-1)/(x^4-x^3+2x^2-4x+1)/(x^4+x^3+x^2-x+1)$  ogf]  
A189345 4.97607 [  $-x*(x+1)*(x^4+116x^3+606x^2+116x+1)/(x-1)^9$  ogf]  
A189348 7.12999 [  $-(x^4-3x^3-2x^2+x+1)/(x-1)/(x^4-2x^3-5x^2-2x+1)$  ogf]  
A189356 15.1063 [  $-(x-3)/(x^2-14x+1)$  ogf]  
A189356 21.3472  $-(41-6x+x^2)/(x-3)/(x^2-14x+1)$  lgdogf  
A189356 8.27248 [  $\{a(n+2)-14a(n+1)+a(n), a(0) = 3, a(1) = 41\}$ , ogf]  
A189374 21.2326  $-(2+2x+11x^2)/(x-1)/(x^2+x+1)$  lgdogf  
A189374 26.7617 [  $[3x^2+2]$  ogf\_with\_Euler\_transform]  
A189374 4.08033 [  $\{(-n-4)*a(n+4)+2a(n+3)+2a(n+2)+(12+n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 7\}$ , ogf]  
A189374 6.53646 [  $-1/(x^2+x+1)^3/(x-1)^5$  ogf]  
A189375 17.7310  $-2*(1+x+x^2+7x^3)/(x-1)/(x+1)/(x^2+1)$  lgdogf  
A189375 27.3975 [  $[3x^3+2]$  ogf\_with\_Euler\_transform]  
A189375 6.32115 [  $-1/(x^2+1)^3/(x+1)^3/(x-1)^5$  ogf]  
A189376 16.4093  $-(3+3x+3x^2+11x^3)/(x-1)/(x+1)/(x^2+1)$  lgdogf  
A189376 27.3319 [  $[2x^3+3]$  ogf\_with\_Euler\_transform]  
A189376 6.42739 [  $-1/(x^2+1)^2/(x+1)^2/(x-1)^5$  ogf]  
A189391 3.48628 [  $\{(-8n-16)*a(n+1)+(4n+4)*a(n+2)+(2n+10)*a(n+3)+(-n-4)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 8\}$ , ogf]  
A189392 16.7599  $1/2*\arctan(1/2+5/2x)-1/2*\arctan(1/2)$  revegef  
A189423 31.4066  $(2*\ln(x+1)+1)/(x+1)$  lgdegf  
A189424 34.4511  $(4*\ln(x+1)+1)/(x+1)$  lgdegf  
A189425 26.7918  $-(2*\ln(x+1)-1)/(x+1)$  lgdegf  
A189426 10.3022 [  $x^2/(x^3-x^2-2x+1)^2$  ogf]  
A189426 20.7073  $-2*(-2-2x+3x^2)/(-x^2+1-2x+x^3)$  lgdogf  
A189426 3.66418 [  $\{(-n-5)*a(n+1)+(n+4)*a(n+2)+(2n+6)*a(n+3)+(-n-2)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 4\}$ , ogf]  
A189427 10.0172 [  $-x^2/(x-1)/(x^3-x^2-2x+1)^2$  ogf]  
A189427 16.4649  $-(5-2x+7x^3-11x^2)/(x-1)/(-x^2+1-2x+x^3)$  lgdogf  
A189429 6.82263  $-(3+12x+132x^4+88x^3+48x^6+112x^5+36x^2)/(2x^2+2x+1)/(8x^5+12x^4+10x^3+4x^2+x-1)$  lgdogf  
A189429 8.10832 [  $-(2x^2+2x+1)/(8x^5+12x^4+10x^3+4x^2+x-1)$  ogf]  
A189436 6.77670 [  $-(x^4-4x^3+7x^2-5x-1)/(x^5-4x^4+6x^3-2x^2-4x+1)$  ogf]  
A189437 5.78983 [  $-(x-1)*(75x^3-63x^2+11x+1)/(75x^5-138x^4+47x^3+17x^2-10x+1)$  ogf]  
A189442 5.51267 [  $(x-1)*(x^4-2x-1)*(x+1)^2/(x^4+1)^2$  ogf]  
A189442 7.13216  $-(3+x+14x^4+12x^3-8x^6-14x^5+8x^2+x^9+x^8-4x^7)/(x-1)/(x+1)/(x^4-2x-1)/(x^4+1)$  lgdogf  
A189444 5.29058 [  $-(2x^4-20x^3-6x^2+x+5)/(x-1)/(x^4-11x^3+x^2-11x+1)$  ogf]

A189445 5.05446 [ (51\*x^5+537\*x^4-571\*x^3+168\*x^2-33\*x-8)/(x+1)/  
(3\*x^4+33\*x^3-44\*x^2+25\*x-1) ogf]  
A189450 7.94512 -(5-8\*x+19\*x^4-12\*x^3+x^6-8\*x^5+7\*x^2)/(x-1)/(x+1)/(x^2-4\*x+1)/  
(x^3-4\*x^2+x+1) lgdogf  
A189450 9.16568 [ -(x^3-4\*x^2+x+1)/(x-1)/(x+1)/(x^2-4\*x+1) ogf]  
A189487 25.2582 (x+1)\*(2\*exp(2\*x)\*x+exp(x)) lgdegf  
A189585 3.77320 [ -(x^14-x^11-x^10-2\*x^9-3\*x^8+x^7+x^6+x^5+3\*x^4+x^2+1)/(x^15-  
x^12-x^11-2\*x^10-4\*x^9+x^8+2\*x^6+4\*x^5+x^4+2\*x^3+x-1) ogf]  
A189593 6.50108 [ -(x^2+1)\*(x^4+x^3+1)/(x^2-x+1)/(x^5+2\*x^4+2\*x^3+x^2-1) ogf]  
A189600 5.72252 [ -(x^7+x^6+x^5+x^4+x^3+x^2+1)/(x^2+1)/(x^6+x^5+x^2+x-1) ogf]  
A189604 13.8422 [ -(3\*x+1)/(2\*x^2+3\*x-1) ogf]  
A189604 16.0575 -2\*(3+2\*x+3\*x^2)/(3\*x+1)/(2\*x^2+3\*x-1) lgdogf  
A189604 7.59632 [{a(n+2)-3\*a(n+1)-2\*a(n), a(0) = 1, a(1) = 6}, ogf]  
A189644 7.36110 [ -(16\*x^3-16\*x^2+6\*x+3)/(16\*x^4-8\*x^3-6\*x^2+9\*x-1) ogf]  
A189709 5.70774 [ -x\*(x^39-x^25-x^22-x^21-x^19-x^18-x^16-x^13-x^12-x^10-x^9-x^7-  
x^4-x-1)/(x^2+x+1)/(x^6+x^3+1)/(x^18+x^9+1)/(x-1)^2 ogf]  
A189732 17.3603 [ -(4\*x+1)/(5\*x^2+x-1) ogf]  
A189732 21.3262 -5\*(1+2\*x+4\*x^2)/(4\*x+1)/(5\*x^2+x-1) lgdogf  
A189732 9.52700 [{a(n+2)-a(n+1)-5\*a(n), a(0) = 1, a(1) = 5}, ogf]  
A189733 7.39554 [ -(x^10-x^9-x^8-2\*x^7+x^6-6\*x^5-x^4-2\*x^3-x^2-x-1)/(x-1)^2/(x  
+1)^2/(x^2+x+1)^2/(x^2-x+1)^2 ogf]  
A189734 16.0733 [ -(x+2)/(5\*x^2+2\*x-1) ogf]  
A189734 20.8902 -5\*(1+4\*x+x^2)/(x+2)/(5\*x^2+2\*x-1) lgdogf  
A189734 8.82071 [{-a(n+2)+2\*a(n+1)+5\*a(n), a(0) = 2, a(1) = 5}, ogf]  
A189735 17.3274 [ (8\*x-3)/(x^2+3\*x-1) ogf]  
A189735 21.8973 -(-1-6\*x+8\*x^2)/(8\*x-3)/(x^2+3\*x-1) lgdogf  
A189735 9.50896 [{-a(n+2)+3\*a(n+1)+a(n), a(0) = 3, a(1) = 1}, ogf]  
A189736 16.0009 [ (7\*x-3)/(2\*x^2+3\*x-1) ogf]  
A189736 18.6055 -2\*(7\*x+1)\*(x-1)/(7\*x-3)/(2\*x^2+3\*x-1) lgdogf  
A189736 8.78098 [{-a(n+2)+3\*a(n+1)+2\*a(n), a(0) = 3, a(1) = 2}, ogf]  
A189737 16.7973 [ 3\*(2\*x-1)/(3\*x^2+3\*x-1) ogf]  
A189737 20.0769 -(-1-6\*x+6\*x^2)/(2\*x-1)/(3\*x^2+3\*x-1) lgdogf  
A189737 9.21804 [{-a(n+2)+3\*a(n+1)+3\*a(n), a(0) = 3, a(1) = 3}, ogf]  
A189738 15.9513 [ (5\*x-3)/(x+1)/(4\*x-1) ogf]  
A189738 18.0752 -4\*(-1-6\*x+5\*x^2)/(4\*x-1)/(5\*x-3)/(x+1) lgdogf  
A189738 8.75378 [{-a(n+2)+3\*a(n+1)+4\*a(n), a(0) = 3, a(1) = 4}, ogf]  
A189739 16.6666 [ (4\*x-3)/(5\*x^2+3\*x-1) ogf]  
A189739 18.9006 -5\*(-1-6\*x+4\*x^2)/(4\*x-3)/(5\*x^2+3\*x-1) lgdogf  
A189739 9.14633 [{-a(n+2)+3\*a(n+1)+5\*a(n), a(0) = 3, a(1) = 5}, ogf]  
A189740 13.5353 [ -(2\*x^3+x^2-1)/(x-1)/(x^4+x^3+x^2+x-1) ogf]  
A189740 9.96434 -(2-2\*x-5\*x^4+8\*x^3+3\*x^6-4\*x^2+4\*x^7)/(x-1)/(2\*x^3+x^2-1)/  
(x^4+x^3+x^2+x-1) lgdogf  
A189741 16.3043 [ 2\*(7\*x-2)/(2\*x^2+4\*x-1) ogf]  
A189741 19.3980 -(-1-8\*x+14\*x^2)/(7\*x-2)/(2\*x^2+4\*x-1) lgdogf  
A189741 9.14633 [{-a(n+2)+4\*a(n+1)+2\*a(n), a(0) = 4, a(1) = 2}, ogf]  
A189742 15.6830 [ (13\*x-4)/(3\*x^2+4\*x-1) ogf]  
A189742 17.2855 -3\*(-1-8\*x+13\*x^2)/(13\*x-4)/(3\*x^2+4\*x-1) lgdogf  
A189742 8.79777 [{-a(n+2)+4\*a(n+1)+3\*a(n), a(0) = 4, a(1) = 3}, ogf]  
A189743 15.9593 [ 4\*(3\*x-1)/(4\*x^2+4\*x-1) ogf]  
A189743 18.9847 -(-1-8\*x+12\*x^2)/(3\*x-1)/(4\*x^2+4\*x-1) lgdogf  
A189743 8.95280 [{-a(n+2)+4\*a(n+1)+4\*a(n), a(0) = 4, a(1) = 4}, ogf]  
A189744 16.3048 [ (11\*x-4)/(x+1)/(5\*x-1) ogf]  
A189744 17.9831 -5\*(-1-8\*x+11\*x^2)/(11\*x-4)/(5\*x-1)/(x+1) lgdogf  
A189744 9.14659 [{-a(n+2)+4\*a(n+1)+5\*a(n), a(0) = 4, a(1) = 5}, ogf]  
A189745 15.8212 [ (24\*x-5)/(x^2+5\*x-1) ogf]  
A189745 18.8174 -(12\*x+1)\*(2\*x-1)/(24\*x-5)/(x^2+5\*x-1) lgdogf  
A189745 8.87528 [{-a(n+2)+5\*a(n+1)+a(n), a(0) = 5, a(1) = 1}, ogf]  
A189746 16.3739 [ (23\*x-5)/(2\*x^2+5\*x-1) ogf]  
A189746 17.6306 -2\*(-1-10\*x+23\*x^2)/(23\*x-5)/(2\*x^2+5\*x-1) lgdogf  
A189746 9.18534 [{-a(n+2)+5\*a(n+1)+2\*a(n), a(0) = 5, a(1) = 2}, ogf]  
A189747 15.3366 [ (22\*x-5)/(3\*x^2+5\*x-1) ogf]

A189747 16.4986  $-3*(-1-10*x+22*x^2)/(22*x-5)/(3*x^2+5*x-1)$  lgdogf  
A189747 8.60348  $[{-a(n+2)+5*a(n+1)+3*a(n), a(0) = 5, a(1) = 3}],$  ogf]  
A189748 15.6775  $[ (21*x-5)/(4*x^2+5*x-1)$  ogf]  
A189748 16.8719  $-4*(-1-10*x+21*x^2)/(21*x-5)/(4*x^2+5*x-1)$  lgdogf  
A189748 8.79467  $[{-a(n+2)+5*a(n+1)+4*a(n), a(0) = 5, a(1) = 4}],$  ogf]  
A189749 16.0183  $[ 5*(4*x-1)/(5*x^2+5*x-1)$  ogf]  
A189749 18.5717  $-(-1-10*x+20*x^2)/(4*x-1)/(5*x^2+5*x-1)$  lgdogf  
A189749 8.98585  $[{-a(n+2)+5*a(n+1)+5*a(n), a(0) = 5, a(1) = 5}],$  ogf]  
A189761 8.36654  $[ (x^8+x^7-x^6-2*x^5-3*x^4-2*x^3+2*x+1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A189769 19.4730  $-4*(3-4*x+3*x^2)/(4*x-1)/(2*x^2-2*x+1)$  lgdogf  
A189769 3.65300  $[{(n+4)*a(n+4)+(-30-6*n)*a(n+3)+(36+10*n)*a(n+2)+(-20-8*n)*a(n+1), a(0) = 2, a(1) = 24, a(2) = 200, a(3) = 1400}],$  ogf]  
A189770 14.5090  $-15*(x-1)*(2*x^2-x+1)/(4*x-1)/(5*x^3-6*x^2+3*x-1)$  lgdogf  
A189770 5.88051  $[{(4*n^2+34*n+60)*a(n+1)+(-n^2-5*n-6)*a(n+2), a(0) = 2, a(1) = 30}],$  ogf]  
A189772 34.8949  $2/(2+2*x+x^2)$  lgdegf  
A189772 6.26218  $[{(n^2+n)*a(n)+2*a(n+1)*n+2*a(n+2), a(0) = 1, a(1) = 1}],$  ogf]  
A189786 19.2979  $[ 2*(2*x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A189786 21.4777  $-(2+6*x+4*x^4+5*x^3+7*x^2)/(x-1)/(x^2+x+1)/(2*x^2+x+1)$  lgdogf  
A189786 7.04892  $[{(-4*n-15)*a(n+1)-4*a(n+2)-4*a(n+3)+(4*n+11)*a(n+4), a(0) = 2, a(1) = 4, a(2) = 8, a(3) = 10}],$  ogf]  
A189796 5.35500  $[ (x^{25}+x^{24}-x^{23}+x^{22}-x^{21}+x^{19}-x^{17}+x^{16}-x^{15}+x^{13}-x^{12}+x^{11}-x^9+x^8-x^7+x^5-x^3+x^2+1)/(x^8+1)/(x^{16}-x^8+1)/(x-1)^2$  ogf]  
A189800 19.7451  $[ -x/(8*x^2+6*x-1)$  ogf]  
A189800 30.0484  $-2*(3+8*x)/(8*x^2-1+6*x)$  lgdogf  
A189800 9.01937  $[{-a(n+2)+6*a(n+1)+8*a(n), a(0) = 0, a(1) = 1}],$  ogf]  
A189801 19.8299  $[ -x/(9*x^2+6*x-1)$  ogf]  
A189801 30.1791  $-6*(1+3*x)/(9*x^2-1+6*x)$  lgdogf  
A189801 9.05809  $[{-a(n+2)+6*a(n+1)+9*a(n), a(0) = 0, a(1) = 1}],$  ogf]  
A189807 11.9174  $(22+6*x-11*x^4+4*x^3+4*x^5-7*x^2)/(x-1)/(2*x^5-x^4+3*x^3-2*x^2-x-7)$  lgdogf  
A189807 9.46048  $[ 2*(2*x^5-x^4+3*x^3-2*x^2-x-7)/(x-1)^3$  ogf]  
A189808 6.59850  $[ 2*(2*x^{10}-2*x^9+4*x^7-3*x^6+7*x^5-2*x^4+2*x^3-x^2-5*x-14)/(x-1)^3$  ogf]  
A189809 4.64487  $[ 2*(2*x^{17}-2*x^{16}+4*x^{13}-4*x^{12}+6*x^{10}-2*x^9+x^8+7*x^7-6*x^6+12*x^5-3*x^4+x^3-3*x^2-10*x-23)/(x-1)^3$  ogf]  
A189826 5.23543  $[ -(36*x^6-210*x^5+329*x^4-235*x^3+89*x^2-19*x+2)/(3*x-1)^2/(2*x-1)^2/(x-1)^3$  ogf]  
A189833 11.6712  $[ -(9*x^2-15*x+8)/(x-1)^3$  ogf]  
A189833 19.1432  $-3*(3-4*x+3*x^2)/(x-1)/(9*x^2-15*x+8)$  lgdogf  
A189833 6.40365  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 8, a(1) = 9, a(2) = 12}],$  ogf]  
A189834 11.1783  $[ -(10*x^2-17*x+9)/(x-1)^3$  ogf]  
A189834 18.1317  $-2*(5-7*x+5*x^2)/(x-1)/(10*x^2-17*x+9)$  lgdogf  
A189834 6.17747  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 9, a(1) = 10, a(2) = 13}],$  ogf]  
A189836 11.0631  $[ -(12*x^2-21*x+11)/(x-1)^3$  ogf]  
A189836 17.7644  $-6*(2-3*x+2*x^2)/(x-1)/(12*x^2-21*x+11)$  lgdogf  
A189836 6.15686  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 11, a(1) = 12, a(2) = 15}],$  ogf]  
A189886 25.5939  $[ -6/(x^3+3*x^2+6*x-6)$  egf]  
A189886 32.3900  $-3*(2+2*x+x^2)/(3*x^2-6+6*x+x^3)$  lgdegf  
A189886 4.99690  $[{(-n^3-9*n^2-26*n-24)*a(n+1)+(-3*n^2-21*n-36)*a(n+2)+(-6*n-24)*a(n+3)+6*a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 13}],$  ogf]  
A189887 11.4541  $[ (x^6+x^5+x^4-x^3+2*x^2-x+1)/(x^2+1)/(x-1)^2$  ogf]  
A189887 12.9469  $(-1-x-6*x^4-2*x^3+x^6-4*x^5-2*x^2+2*x^8-3*x^7)/(x-1)/(x^2+1)/(x^6+x^5+x^4-x^3+2*x^2-x+1)$  lgdogf  
A189889 5.75488  $[ (x^7-x^6-x^5-3*x^3+x^2-1)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A189889 7.73513  $(1+x+13*x^4+7*x^3+9*x^6+5*x^5+9*x^2+3*x^7)/(x-1)/(x+1)/(x^2+1)/(x^7-x^6-x^5-3*x^3+x^2-1)$  lgdogf

A189890 11.4859 [  $-(x^3-6x^2+4x-2)/(x-1)^4$  ogf]  
A189890 22.2846  $-(4+x^3-9x^2)/(x-1)/(x^3-6x^2+4x-2)$  lgdogf  
A189890 4.67945 [  $\{(85n^2+453n+566)a(n+1)+(-116n^2-368n-116)a(n+2)+(31n^2+77n-48)a(n+3), a(0) = 2, a(1) = 4, a(2) = 10\}$ , ogf]  
A189894 13.2738  $-(25+108x+56x^2+141x^3)/(x-1)/(x+1)/(14x^2+17x+2)$  lgdogf  
A189894 9.25027 [  $-2*(14x^2+17x+2)/(x+1)/(x-1)^5$  ogf]  
A189917 53.2997 [  $-x^{24}+x^{23}+2$  ogf\_with\_Euler\_transform]  
A189917 6.39402 [  $4x*(x^4+x^3+x^2+x+1)*(x^{20}+x^{15}+x^{10}+x^5+1)/(x+1)/(x^2+1)/(x^8-x^4+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A189925 13.2418 [  $-(4x^2-2x+4)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A189940 17.3513  $(12x+6+10x^2+4x^3+x^4)/(x+1)/(x^2+2x+2)$  lgdegf  
A189940 3.63223 [  $\{(-2n^2-14n-24)a(n+1)+(-n^2-12n-32)a(n+2)+n^2a(n+3)+(n+4)a(n+4), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 28\}$ , ogf]  
A189976 30.7407 [  $[1+4x]$  ogf\_with\_Euler\_transform]  
A189976 31.7510  $-(1+9x)/(x-1)/(x+1)$  lgdogf  
A189976 4.81389 [  $\{(n+3)a(n+3)-a(n+2)+(-10-n)a(n+1), a(0) = 1, a(1) = 1, a(2) = 5\}$ , ogf]  
A189976 7.30197 [  $-1/(x+1)^4/(x-1)^5$  ogf]  
A189980 29.6204  $-(1+11x)/(x-1)/(x+1)$  lgdogf  
A189980 30.0910 [  $[1+5x]$  ogf\_with\_Euler\_transform]  
A189980 4.71539 [  $\{(n+3)a(n+3)-a(n+2)+(-12-n)a(n+1), a(0) = 1, a(1) = 1, a(2) = 6\}$ , ogf]  
A189980 5.73494 [  $1/(x+1)^5/(x-1)^6$  ogf]  
A189996 11.7700 [  $-(x^6+x^5+x^4+x^2+2x+2)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A190005 19.4731 [  $-x/(10x^2+6x-1)$  ogf]  
A190005 28.0988  $-2*(3+10x)/(10x^2-1+6x)$  lgdogf  
A190005 9.02410 [  $\{-a(n+2)+6a(n+1)+10a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190025 4.27847 [  $(19x^{10}+37x^9+18x^8+364x^7-522x^6-453x^5+926x^4-441x^3+516x^2-912x+512)/(x-1)/(x^6-x^4+x^3+x-1)$  ogf]  
A190026 4.40882 [  $(25x^9+26x^8+71x^7-154x^6-121x^5+183x^4-70x^3+101x^2-179x+112)/(x-1)/(x^6-x^4+x^3+x-1)$  ogf]  
A190027 4.43674 [  $(25x^{10}+17x^8+205x^7-257x^6-248x^5+349x^4-191x^3+228x^2-377x+228)/(x-1)/(x^6-x^4+x^3+x-1)$  ogf]  
A190028 4.18157 [  $(81x^{11}-28x^9+9x^8+380x^7-452x^6-407x^5+611x^4-350x^3+379x^2-675x+415)/(x-1)/(x^6-x^4+x^3+x-1)$  ogf]  
A190029 3.96702 [  $(169x^{12}-96x^{10}-12x^9+121x^8+405x^7-649x^6-628x^5+1037x^4-527x^3+508x^2-997x+616)/(x-1)/(x^6-x^4+x^3+x-1)$  ogf]  
A190030 3.83978 [  $(225x^{13}-60x^{11}-96x^{10}+56x^9+69x^8+601x^7-981x^6-760x^5+1525x^4-775x^3+720x^2-1465x+880)/(x-1)/(x^6-x^4+x^3+x-1)$  ogf]  
A190035 14.4980 [  $(x^3+x^2-3x+5)/(x-1)^2$  ogf]  
A190035 22.8421  $(-7+x+x^3-3x^2)/(x-1)/(x^3+x^2-3x+5)$  lgdogf  
A190035 7.62394 [  $\{a(n+4)-2a(n+3)+a(n+2), a(0) = 5, a(1) = 7, a(2) = 10, a(3) = 14\}$ , ogf]  
A190036 10.8724 [  $(x^5-2x^3-3x^2+9x-7)/(x-1)^3$  ogf]  
A190036 14.4127  $(12-12x-5x^4+2x^5+9x^2)/(x-1)/(x^5-2x^3-3x^2+9x-7)$  lgdogf  
A190037 12.6011 [  $(2x^5+3x^4+3x^3-4x+8)/(x-1)^2$  ogf]  
A190037 13.1288  $(-12+4x-4x^4-9x^3+6x^5-9x^2)/(x-1)/(2x^5+3x^4+3x^3-4x+8)$  lgdogf  
A190038 7.88031 [  $(x^7+x^6-2x^5-3x^4-x^3-6x^2+12x-10)/(x-1)^3$  ogf]  
A190038 8.56298  $(18-12x+7x^4+12x^3-4x^6-10x^5+9x^2+4x^7)/(x-1)/(x^7+x^6-2x^5-3x^4-x^3-6x^2+12x-10)$  lgdogf  
A190039 9.85513  $(-17+7x-19x^4-8x^3+12x^6-3x^5-12x^2)/(x-1)/(3x^6+5x^5+3x^4+4x^3-x^2-5x+11)$  lgdogf  
A190039 9.92607 [  $(3x^6+5x^5+3x^4+4x^3-x^2-5x+11)/(x-1)^2$  ogf]  
A190040 6.57207 [  $(3x^9+x^8-6x^7-2x^5+2x^4-3x^3+22x^2-28x+13)/(x-1)^4$

ogf]

A190042 5.26373 [  $(3*x^9+9*x^8+26*x^7+46*x^6+66*x^5+66*x^4+54*x^3+30*x^2+12*x+2)/(x^2+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^2$  ogf]

A190048 11.0534 [  $-2*(3*x+4)/(x-1)^5$  ogf]

A190048 32.1024  $-(23+12*x)/(3*x+4)/(x-1)$  lgdogf

A190048 5.03071 [  $\{(-4*n-12)*a(n+3)+(25+n)*a(n+2)+(15+3*n)*a(n+1), a(0) = 8, a(1) = 46, a(2) = 150\}$ , ogf]

A190049 16.5709  $-2*(30+31*x+2*x^2)/(x-1)/(x^2+12*x+8)$  lgdogf

A190049 6.96060 [  $2*(x^2+12*x+8)/(x-1)^6$  ogf]

A190050 14.0676  $(2-4*x+3*x^2)/(x-1)/(2*x-1)/(3*x^2-3*x+1)$  lgdogf

A190050 4.40265 [  $\{a(n+4)-6*a(n+3)+12*a(n+2)-8*a(n+1), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 17\}$ , ogf]

A190050 8.42793 [  $(x-1)*(3*x^2-3*x+1)/(2*x-1)^3$  ogf]

A190051 4.13118 [  $\{(-2*n^2-14*n)*a(n)+(3*n^2+21*n+24)*a(n+1)+(-n^2-5*n-6)*a(n+2), a(0) = 1, a(1) = 3\}$ , ogf]

A190051 5.74610 [  $(x-1)*(10*x^4-20*x^3+16*x^2-6*x+1)/(2*x-1)^5$  ogf]

A190051 8.59776  $(3-12*x+10*x^4-24*x^3+24*x^2)/(x-1)/(2*x-1)/(10*x^4-20*x^3+16*x^2-6*x+1)$  lgdogf

A190062 13.2996  $-(x^2-x+1)*(6*x^2-4*x-1)/(x-1)/(2*x^2-2*x+1)/(x^2+x-1)$  lgdogf

A190062 8.99811 [  $-x*(2*x^2-2*x+1)/(x-1)/(x^2+x-1)^2$  ogf]

A190089 13.0243  $-(x-2)*(x^3+4*x^2+2*x+2)/(x^2+x-1)/(x^3+2*x^2+5*x-1)$  lgdogf

A190089 13.5615 [  $(x^2+x-1)/(x^3+2*x^2+5*x-1)$  ogf]

A190089 7.32081 [  $\{-a(n+3)+5*a(n+2)+2*a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 21\}$ , ogf]

A190090 10.6267 [  $(x^4+x-1)/(x^3-3*x^2+4*x-1)/(x^3+3*x^2+2*x+1)$  ogf]

A190090 7.40678  $-(-1-4*x-15*x^4+28*x^3-x^6-10*x^5-16*x^2+2*x^9)/(x^3-3*x^2+4*x-1)/(x^4+x-1)/(x^3+3*x^2+2*x+1)$  lgdogf

A190091 12.5979 [  $(x^3+2*x^2-2*x-2)/(x+1)/(x-1)^3$  ogf]

A190091 16.0959  $-(-6-8*x+x^4+6*x^3+x^2)/(x-1)/(x+1)/(x^3+2*x^2-2*x-2)$  lgdogf

A190092 9.03484 [  $(2*x^10-2*x^8+5*x^4+2*x^3-2*x^2-4*x-3)/(x+1)/(x-1)^3$  ogf]

A190093 6.82674 [  $(4*x^10+2*x^9-4*x^8-2*x^7+5*x^5+10*x^4-2*x^3-6*x^2-7*x-4)/(x+1)/(x-1)^3$  ogf]

A190099 3.89917 [  $-8*x*(x^4+2*x^3+2*x^2+2*x+2)*(2*x^4+2*x^3+2*x^2+2*x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x+1)^3/(x-1)^5$  ogf]

A190139 13.1167 [  $(x-1)/(x^4+x^3+x^2+2*x-1)$  ogf]

A190139 14.8374  $-(-1-2*x+3*x^4-2*x^3-2*x^2)/(x-1)/(x^4+x^3+x^2+2*x-1)$  lgdogf

A190140 18.2327 [  $-1/(3*x^3+x^2+2*x-1)$  ogf]

A190140 22.9397  $-(2+2*x+9*x^2)/(x^2-1+2*x+3*x^3)$  lgdogf

A190140 6.67447 [  $\{-a(n+3)+2*a(n+2)+a(n+1)+3*a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]

A190153 12.7786 [  $(3*x-1)/(x^3+2*x^2+5*x-1)$  ogf]

A190153 15.1074  $-(2*x+1)*(3*x^2-2)/(3*x-1)/(x^3+2*x^2+5*x-1)$  lgdogf

A190153 5.99350 [  $\{a(n+3)-5*a(n+2)-2*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 12\}$ , ogf]

A190154 8.36394 [  $-(x^4-x^3-2*x^2-x+1)/(x^3-3*x^2+4*x-1)/(x^3+3*x^2+2*x+1)$  ogf]

A190166 13.0528  $-2*(-1+2*x-5*x^4+2*x^3+2*x^5-3*x^2)/(x^2+x+1)/(x^2-3*x+1)/(x^2-x+1)$  lgdogf

A190173 8.59644  $-(5-6*x+28*x^4+4*x^3-11*x^6-6*x^5-16*x^2+4*x^7)/(x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)/(x^2-x-1)$  lgdogf

A190173 8.90427 [  $-x*(x^2-x-1)/(x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]

A190176 10.1963  $-(49-6*x+9*x^4-22*x^3+90*x^2)/(x-1)/(9*x^4-29*x^3+59*x^2-31*x+16)$  lgdogf

A190176 6.69798 [  $-2*(9*x^4-29*x^3+59*x^2-31*x+16)/(x-1)^5$  ogf]

A190214 10.4955 [  $(x-1)/(x^6+3*x^5+4*x^4+3*x^3+2*x^2+2*x-1)$  ogf]

A190217 3.95501 [  $-(81*x^11-81*x^10-11111111111111111000*x^9+9*x+1)/(99*x^10+11111111111111111001*x^9-9*x-1)/(x-1)^2$  ogf]

A190254 12.5104  $1/2/x^2*(-1-3*x-3*x^2+(1+6*x+15*x^2+22*x^3+13*x^4)^(1/2))$  revogf

A190277 7.61753  $-(1-2*x+18*x^4+4*x^3+8*x^5-5*x^2)/(2*x^2+2*x-1)/(2*x^4+3*x^3-x^2-3*x+1)$  lgdogf

A190277 8.02720 [  $-(2*x^2+2*x-1)/(2*x^4+3*x^3-x^2-3*x+1)$  ogf]

A190322 11.1142  $-(-9-25*x-x^4-17*x^3+15*x^5+25*x^2)/(x-1)/(x^2+x+1)/$



$(15x^3-8x^2-8x-1)$  lgdogf  
A190322 11.6712 [  $-(15x^3-8x^2-8x-1)/(x^2+x+1)/(x-1)^2$  ogf]  
A190322 4.89211 [  $\{(-2^n-31)a(n+1)-2a(n+2)-2a(n+3)+(2^n+29)a(n+4), a(0) = 1, a(1) = 9, a(2) = 17, a(3) = 3\}$ , ogf]  
A190326 10.2157 [  $(11x^4+11x^3+10x^2+11x+10)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A190331 18.9639 [  $-x/(2x^2+8x-1)$  ogf]  
A190331 31.4724  $-4*(x+2)/(2x^2-1+8x)$  lgdogf  
A190331 8.66254 [  $\{-a(n+2)+8a(n+1)+2a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190360 11.2059 [  $-(x^4-x-1)/(x^5-x^2-2x+1)$  ogf]  
A190360 11.5533  $-(3+2x+x^4-4x^3-2x^5+x^2+x^8)/(x^4-x-1)/(x^5-x^2-2x+1)$  lgdogf  
A190395 5.07520 [  $-4x*(3x^5-7x^4+4x^3+17x^2+12x+1)/(x-1)^7$  ogf]  
A190395 8.43869  $-(19+106x-6x^4-12x^3+6x^5+97x^2)/(x-1)/(3x^5-7x^4+4x^3+17x^2+12x+1)$  lgdogf  
A190396 3.27841 [  $-x*(2x^9-22x^8+50x^7+78x^6-89x^5-245x^4+1224x^3+612x^2+69x+1)/(x-1)^9$  ogf]  
A190398 4.39851 [  $-4x*(3x^8-17x^7+37x^6-35x^5+11x^4+19x^2+11x+1)/(x-1)^7$  ogf]  
A190413 10.1216 [  $(8x^{19}+75x^6+104x^4+1056x^2-1244x-1)/(x-1)$  ogf]  
A190414 5.00857 [  $(152x^{20}-160x^{19}+450x^7-525x^6+416x^5-520x^4+2112x^3-4412x^2+2488x+1)/(x-1)^2$  ogf]  
A190441 18.5462 [  $-x/(39x^2+4x-1)$  ogf]  
A190441 26.7494  $-2*(2+39x)/(39x^2-1+4x)$  lgdogf  
A190441 8.59460 [  $\{-a(n+2)+4a(n+1)+39a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190444 4.56616 [  $\{(-n-5)a(n+5)+a(n+4)+2a(n+3)+4a(n+1), a(0) = 1, a(1) = 1, a(2) = 3/2, a(3) = 7/6, a(4) = 49/24\}$ , egf]  
A190452 4.24887 [  $\{(6n+30)a(n+5)-6a(n+4)-6a(n+3)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2/3, a(4) = 11/24\}$ , egf]  
A190481 4.02085 [  $-(9x^9+32x^8+45x^7+81x^6+34x^5+58x^4+29x^3-23x^2-18x-4)/(x+1)/(19x^2-1)/(x^3+x^2+2x+1)/(x^3-x^2+2x-1)$  ogf]  
A190482 7.72243 [  $-(x^7-x^5+x^3+x^2+4x-7)/(x-1)^2$  ogf]  
A190482 8.04137  $(10-6x+5x^4+x^3-7x^6-3x^5-3x^2+5x^7)/(x-1)/(x^7-x^5+x^3+x^2+4x-7)$  lgdogf  
A190510 19.1310 [  $-x/(4x^2+8x-1)$  ogf]  
A190510 31.7534  $-8*(x+1)/(4x^2-1+8x)$  lgdogf  
A190510 8.73886 [  $\{-a(n+2)+8a(n+1)+4a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190512 14.7171 [  $-(x^2+1)/(x^3+2x-1)$  ogf]  
A190512 19.6501  $-(2+2x+x^4+x^2)/(x^2+1)/(x^3+2x-1)$  lgdogf  
A190512 7.67168 [  $\{a(n+3)-2a(n+2)-a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A190525 10.0092  $-(3+3x^4-2x^3+x^6-2x^5+3x^2)/(x+1)/(x^3-x^2+x+1)/(x^3-2x^2+3x-1)$  lgdogf  
A190525 9.27600 [  $-(x^3-x^2+x+1)/(x+1)/(x^3-2x^2+3x-1)$  ogf]  
A190528 8.88563  $-(3+2x-3x^4+4x^3+x^6+2x^5-2x^2+x^8-2x^7)/(x^4-x^3+x+1)/(x^5-x^4+x^2+2x-1)$  lgdogf  
A190528 9.40852 [  $-(x^4-x^3+x+1)/(x^5-x^4+x^2+2x-1)$  ogf]  
A190531 5.07295 [  $-(68x^5-153x^4+145x^3-73x^2+19x-2)/(x-1)^2/(3x-1)^2/(2x-1)^2$  ogf]  
A190540 15.2152 [  $5x/(7x-1)/(2x-1)$  ogf]  
A190540 21.8919  $-(9+28x)/(7x-1)/(2x-1)$  lgdogf  
A190540 7.05093 [  $\{a(n+2)-9a(n+1)+14a(n), a(0) = 0, a(1) = 5\}$ , ogf]  
A190541 14.8250 [  $4x/(7x-1)/(3x-1)$  ogf]  
A190541 20.3282  $-2*(-5+21x)/(7x-1)/(3x-1)$  lgdogf  
A190541 6.96598 [  $\{a(n+2)-10a(n+1)+21a(n), a(0) = 0, a(1) = 4\}$ , ogf]  
A190542 14.8250 [  $3x/(7x-1)/(4x-1)$  ogf]  
A190542 21.0811  $-(-11+56x)/(7x-1)/(4x-1)$  lgdogf  
A190542 6.96598 [  $\{a(n+2)-11a(n+1)+28a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A190543 15.6700 [  $5x/(8x-1)/(3x-1)$  ogf]  
A190543 22.3015  $-(-11+48x)/(8x-1)/(3x-1)$  lgdogf

A190543 7.36300 [ {a(n+2)-11\*a(n+1)+24\*a(n), a(0) = 0, a(1) = 5}, ogf ]  
A190560 19.2981 [ -x/(6\*x^2+8\*x-1) ogf ]  
A190560 29.3649 -4\*(2+3\*x)/(6\*x^2-1+8\*x) lgdogf  
A190560 8.81519 [ {-a(n+2)+8\*a(n+1)+6\*a(n), a(0) = 0, a(1) = 1}, ogf ]  
A190567 12.5649 [ -(311\*x^4+x^3+76\*x^2+x+311)/(x-1)/(x+1)/(x^2+1) ogf ]  
A190567 9.58203 -(1+152\*x+3\*x^4+2488\*x^3+x^6+152\*x^5+3\*x^2)/(x-1)/(x+1)/(x^2+1)/  
(311\*x^4+x^3+76\*x^2+x+311) lgdogf  
A190569 11.8176 [ -(2\*x^2+x+1)/(2\*x-1)/(x^2+1) ogf ]  
A190569 13.5964 -(3+2\*x+4\*x^4+4\*x^3+x^2)/(2\*x-1)/(x^2+1)/(2\*x^2+x+1) lgdogf  
A190569 6.43638 [ {-a(n+3)+2\*a(n+2)-a(n+1)+2\*a(n), a(0) = 1, a(1) = 3, a(2) = 7},  
ogf ]  
A190570 8.41797 -(3-2\*x+8\*x^4-4\*x^3+4\*x^6-8\*x^5+5\*x^2)/(2\*x^3-2\*x^2+x+1)/  
(2\*x^4-2\*x^3+x^2+2\*x-1) lgdogf  
A190570 8.92262 [ -(2\*x^3-2\*x^2+x+1)/(2\*x^4-2\*x^3+x^2+2\*x-1) ogf ]  
A190571 7.65270 -(3+2\*x-6\*x^4+8\*x^3+4\*x^6+4\*x^5-5\*x^2+4\*x^8-8\*x^7)/  
(2\*x^4-2\*x^3+x+1)/(2\*x^5-2\*x^4+x^2+2\*x-1) lgdogf  
A190571 9.32017 [ -(2\*x^4-2\*x^3+x+1)/(2\*x^5-2\*x^4+x^2+2\*x-1) ogf ]  
A190576 12.1763 [ (5\*x^2-6\*x-1)/(x-1)^3 ogf ]  
A190576 20.7840 -(-9-2\*x+5\*x^2)/(x-1)/(5\*x^2-6\*x-1) lgdogf  
A190576 6.57306 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1, a(1) = 9, a(2) = 19},  
ogf ]  
A190577 12.1751 -2\*(-64+69\*x+5\*x^3-30\*x^2)/(x-1)/(5\*x^3-25\*x^2+47\*x-35) lgdogf  
A190577 5.55580 [ {(-n-10)\*a(n+1)+(n+2)\*a(n+3), a(0) = 105, a(1) = 384, a(2) =  
945}, ogf ]  
A190577 7.34800 [ 3\*(5\*x^3-25\*x^2+47\*x-35)/(x-1)^5 ogf ]  
A190578 4.31953 [ 2\*x\*(x^6+57\*x^5+603\*x^4+1198\*x^3+603\*x^2+57\*x+1)/(x-1)^8 ogf ]  
A190582 5.03253 [ (6\*x^22-6\*x^21+6\*x^16-6\*x^15+6\*x^10-6\*x^9+6\*x^4-6\*x^3-15\*x  
+16)/(x-1)^2 ogf ]  
A190590 57.3212 x/(1+x+2\*x^4) revogf  
A190621 10.6353 -2\*(1+3\*x+12\*x^4+10\*x^3+12\*x^5+x^9+3\*x^8+6\*x^7)/(x-1)/(x+1)/  
(x^2+1)/(x^6+2\*x^5+3\*x^4+3\*x^2+2\*x+1) lgdogf  
A190621 11.1910 [ x\*(x^6+2\*x^5+3\*x^4+3\*x^2+2\*x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2 ogf ]  
A190623 5.25598 [ (x^6+4\*x^5+15\*x^4+20\*x^3+15\*x^2+4\*x  
+1)\*(x^8+2\*x^7+4\*x^6-2\*x^5+14\*x^4-2\*x^3+4\*x^2+2\*x+1)/(x-1)^4/(x+1)^4/(x^2+1)^4  
ogf ]  
A190636 5.29128 [ (x^6+90\*x^5+891\*x^4+1816\*x^3+891\*x^2+90\*x+1)/(x-1)^8 ogf ]  
A190651 5.39436 [ -(1899\*x^12-x^11-2\*x^10-3\*x^9-2\*x^8-3\*x^7-x^6-2\*x^5-3\*x^4-  
x^3-5\*x^2-2\*x-1902)/(x+1)/(x^4-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2 ogf ]  
A190652 5.39436 [ -(1895\*x^12-x^11-2\*x^10-2\*x^9-x^8-5\*x^7-x^6-3\*x^5-x^4-x^3-  
x^2-4\*x-1901)/(x+1)/(x^4-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2 ogf ]  
A190667 11.5975 [ -(2\*x+1)/(x^4+2\*x^3+2\*x^2+x-1) ogf ]  
A190667 11.9628 -(3+4\*x+6\*x^4+12\*x^3+10\*x^2)/(2\*x+1)/(x^4+2\*x^3+2\*x^2+x-1)  
lgdogf  
A190669 5.30283 [ -(x^28-x^27+x^26-x^24+x^22-x^20+x^18-x^16+x^14-x^13+x^11-  
x^9+x^7-x^5+x^3-x+1)/(x-1)/(x^4+1)/(x^24-x^20+x^16-x^12+x^8-x^4+1) ogf ]  
A190705 17.8769 -2\*(10+13\*x+x^2)/(x-1)/(x^2+8\*x+3) lgdogf  
A190705 8.24157 [ 6\*x\*(x^2+8\*x+3)/(x-1)^4 ogf ]  
A190716 10.2324 [ -(3\*x^4-2\*x^3+4\*x^2+2\*x+1)/(x-1)^3/(x+1)^3 ogf ]  
A190716 11.1322 -2\*(1+7\*x-3\*x^4+14\*x^3+3\*x^5+2\*x^2)/(x-1)/(x+1)/  
(3\*x^4-2\*x^3+4\*x^2+2\*x+1) lgdogf  
A190717 23.8621 -(1+x+10\*x^2)/(x-1)/(x^2+x+1) lgdogf  
A190717 28.1666 [ [3\*x^2+1] ogf\_with\_Euler\_transform ]  
A190717 4.28927 [ {(-n-4)\*a(n+4)+a(n+3)+a(n+2)+(11+n)\*a(n+1), a(0) = 1, a(1) = 1,  
a(2) = 1, a(3) = 4}, ogf ]  
A190717 9.56391 [ 1/(x^2+x+1)^3/(x-1)^4 ogf ]  
A190718 18.2611 -(1+x+x^2+13\*x^3)/(x-1)/(x+1)/(x^2+1) lgdogf  
A190718 27.5228 [ [3\*x^3+1] ogf\_with\_Euler\_transform ]  
A190718 9.21956 [ 1/(x^2+1)^3/(x+1)^3/(x-1)^4 ogf ]  
A190719 8.68165 [ x\*(x^6+3\*x^5+x^4+2\*x^3+2\*x^2+2\*x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/  
(x-1)^2 ogf ]  
A190729 40.8221 1+1/2\*x^2+1/6\*x^3 lgdegf

A190730 11.0180 [  $-(4*x^2+2*x-3)/(2*x-1)^2/(x-1)^2$  ogf]  
A190730 15.0720  $-2*(8-19*x+8*x^2+6*x^3)/(x-1)/(2*x-1)/(4*x^2+2*x-3)$  lgdogf  
A190733 3.78237 [  $\{(-4*n^2-16*n)*a(n)+(-8*n^2-38*n-30)*a(n+1)+(-3*n^2-15*n-18)*a(n+2)+(n^2+7*n+12)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 5\}$ , ogf]  
A190785 8.47789 [  $x*(x^6+2*x^5+2*x^4+2*x^3+2*x^2+x+2)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A190787 11.9798 [  $\{-a(n+3)+4*a(n+1), a(0) = 2, a(1) = 8, a(2) = 18\}$ , ogf]  
A190787 13.3984 [  $(-16*x^2-18*x-4)/(-20*x^4-16*x^3+x^2+4*x+1)$  lgdogf]  
A190787 20.3656 [  $-2*(5*x^2+4*x+1)/(2*x+1)/(2*x-1)$  ogf]  
A190787 21.8225  $-2*(2+9*x+8*x^2)/(2*x+1)/(2*x-1)/(5*x^2+4*x+1)$  lgdogf  
A190798 11.3630 [  $(-4*x^5+8*x^4+10*x^3+16*x^2+6*x+4)/(x^6+x^5+x^4-x^2-x-1)$  lgdogf]  
A190798 18.6916  $-2*(2+3*x+4*x^4+5*x^3+2*x^5+8*x^2)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A190798 36.3527 [  $-x^3+2*x^2-x+4$  ogf\_with\_Euler\_transform]  
A190798 9.63584 [  $x^2*(x^2+1)*(x+1)^2/(x^2+x+1)^2/(x-1)^4$  ogf]  
A190816 11.1856 [  $(-10*x^2-18*x-2)/(-10*x^3+11*x^2-2*x+1)$  lgdogf]  
A190816 12.2681 [  $-(10*x^2-x+1)/(x-1)^3$  ogf]  
A190816 21.2996  $-2*(1+9*x+5*x^2)/(x-1)/(10*x^2-x+1)$  lgdogf  
A190816 6.73117 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 13\}$ , ogf]  
A190863 13.7053 [  $1/(x^2+1)^{(1/2)}*(2*x^2+1)$  lgdegf]  
A190863 26.3143 [  $1/(1+x^2)^{(1/2)}*(2*x^2+1)$  lgdegf]  
A190865 5.65025 [  $\{(n^2+5*n+6)*a(n+1)-2*a(n+4)+2*a(n+3), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2\}$ , ogf]  
A190869 14.6515 [  $(-4*x-10)/(2*x^2-10*x+1)$  lgdogf]  
A190869 21.5464 [  $x/(2*x^2-10*x+1)$  ogf]  
A190869 27.8194  $-2*(-5+2*x)/(2*x^2+1-10*x)$  lgdogf  
A190869 8.93385 [  $\{a(n+2)-10*a(n+1)+2*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190870 13.7908 [  $(-44*x-11)/(22*x^2-11*x+1)$  lgdogf]  
A190870 20.4892 [  $x/(22*x^2-11*x+1)$  ogf]  
A190870 25.2803  $-11*(-1+4*x)/(22*x^2+1-11*x)$  lgdogf  
A190870 8.64001 [  $\{a(n+2)-11*a(n+1)+22*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190871 13.1734 [  $(-22*x-11)/(11*x^2-11*x+1)$  lgdogf]  
A190871 19.5719 [  $x/(11*x^2-11*x+1)$  ogf]  
A190871 25.0327  $-11*(2*x-1)/(11*x^2+1-11*x)$  lgdogf  
A190871 8.25322 [  $\{a(n+2)-11*a(n+1)+11*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190872 13.9690 [  $(-18*x-11)/(9*x^2-11*x+1)$  lgdogf]  
A190872 20.9535 [  $x/(9*x^2-11*x+1)$  ogf]  
A190872 27.0494  $(-11+18*x)/(9*x^2+1-11*x)$  lgdogf  
A190872 8.68802 [  $\{a(n+2)-11*a(n+1)+9*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190873 13.7003 [  $(-24*x-12)/(12*x^2-12*x+1)$  lgdogf]  
A190873 20.3548 [  $x/(12*x^2-12*x+1)$  ogf]  
A190873 26.0476  $-12*(2*x-1)/(12*x^2+1-12*x)$  lgdogf  
A190873 8.58335 [  $\{a(n+2)-12*a(n+1)+12*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190875 4.32135 [  $\{(n+5)*a(n+5)-a(n+4)-4*a(n+1), a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = 1/6, a(4) = 25/24\}$ , egf]  
A190876 15.0282 [  $(-63*x^9+81*x^8+2)/(9*x^10-9*x^9+x-1)$  lgdogf]  
A190876 21.7755 [  $(9*x^9+1)/(x-1)^2$  ogf]  
A190876 30.8841 [  $(-2+63*x^9-81*x^8)/(x-1)/(9*x^9+1)$  lgdogf]  
A190876 5.70588 [  $\{a(n+3)-2*a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4, a(4) = 5, a(5) = 6, a(6) = 7, a(7) = 8, a(8) = 9, a(9) = 19\}$ , ogf]  
A190878 32.4749 [  $(1+3*x^4)/(x^4+x-1)^2$  lgdegf]  
A190878 9.13357 [  $(-3*x^4+1)/(-x^8-2*x^5+2*x^4-x^2+2*x-1)$  lgdegf]  
A190905 9.09718 [  $I/(2*x-1)^{(3/2)}/x/(2*x+1)^{(3/2)}*(4*x^2-x-1)-1/x$  ogf\_with\_Euler\_transform]  
A190910 6.84436 [  $(-2-8*x+5*x^4-34*x^3+13*x^6-8*x^5+19*x^2+x^8-6*x^7)/(x-1)/(1+x^2)/(x^2-4*x+1)/(x^4-3*x^3-3*x+1)$  lgdogf]  
A190912 12.4596 [  $(-3*x^4+2*x^3+x^2-1)/(x-1)/(x^5+x^4+x^3+x^2+x-1)$  ogf]  
A190912 8.11777  $-2*(1-x+9*x^4-2*x^3-3*x^5-2*x^2+3*x^9+3*x^8+2*x^7)/(x-1)/$

$(3x^4+2x^3+x^2-1)/(x^5+x^4+x^3+x^2+x-1)$  lgdogf  
A190913 14.6369  $-x(4-28x^3+9x^5+27x+12x^6)/(x^2+x-1)/(6x^3+3x^2-5)/(x^3-x^2-x-1)$  lgdogf  
A190913 15.2267  $[-(6x^3+3x^2-5)/(x^2+x-1)/(x^3-x^2-x-1)$  ogf]  
A190913 8.33841  $[-(12x^7+9x^6-28x^4+27x^2+4x)/(6x^8+3x^7-18x^6-20x^5-3x^4+21x^3+8x^2-5)$  lgdogf]  
A190914 13.8203  $-x(4x^6-28x^3+9x+27x^5+12)/(x^2-x-1)/(2x^3+9x^2-5)/(x^3+x^2+x-1)$  lgdogf  
A190914 14.3813  $[-(2x^3+9x^2-5)/(x^2-x-1)/(x^3+x^2+x-1)$  ogf]  
A190914 7.87547  $[-(-4x^7-27x^6+28x^4-9x^2-12x)/(-2x^8-9x^7+2x^6+20x^5+27x^4-7x^3-24x^2+5)$  lgdogf]  
A190917 3.51550  $[{(8n^2+32n+32)a(n+1)+(7n^2+59n+120)a(n+2)+(-n^2-9n-20)a(n+3), a(0) = 1, a(1) = 5, a(2) = 29},$  ogf]  
A190943 12.5821  $[-(-54x-8)/(-27x^2-8x+1)$  lgdogf]  
A190943 16.5553  $[-x/(27x^2+8x-1)$  ogf]  
A190943 23.8506  $-2(4+27x)/(27x^2-1+8x)$  lgdogf  
A190943 7.67199  $[{-a(n+2)+8a(n+1)+27a(n), a(0) = 0, a(1) = 1},$  ogf]  
A190949 11.0710  $[-(x-1)(x^2+6x+1)/(x^2+4x-1)/(x^2-4x-1)$  ogf]  
A190949 8.86185  $-(5+26x+3x^4-4x^3+x^6+10x^5+87x^2)/(x-1)/(x^2+6x+1)/(x^2+4x-1)/(x^2-4x-1)$  lgdogf  
A190953 14.5897  $[-(-20x-8)/(-10x^2-8x+1)$  lgdogf]  
A190953 19.1970  $[-x/(10x^2+8x-1)$  ogf]  
A190953 28.8085  $-4(2+5x)/(10x^2-1+8x)$  lgdogf  
A190953 8.89616  $[{-a(n+2)+8a(n+1)+10a(n), a(0) = 0, a(1) = 1},$  ogf]  
A190954 14.2484  $[-(-8x-10)/(-4x^2-10x+1)$  lgdogf]  
A190954 18.7478  $[-x/(4x^2+10x-1)$  ogf]  
A190954 28.1314  $-2(5+4x)/(4x^2-1+10x)$  lgdogf  
A190954 8.68802  $[{-a(n+2)+10a(n+1)+4a(n), a(0) = 0, a(1) = 1},$  ogf]  
A190955 13.9690  $[-(-10x-10)/(-5x^2-10x+1)$  lgdogf]  
A190955 18.7478  $[-x/(5x^2+10x-1)$  ogf]  
A190955 29.3035  $-10(x+1)/(5x^2-1+10x)$  lgdogf  
A190955 8.68802  $[{-a(n+2)+10a(n+1)+5a(n), a(0) = 0, a(1) = 1},$  ogf]  
A190956 13.9690  $[-(-12x-10)/(-6x^2-10x+1)$  lgdogf]  
A190956 18.7478  $[-x/(6x^2+10x-1)$  ogf]  
A190956 28.1314  $-2(5+6x)/(6x^2-1+10x)$  lgdogf  
A190956 8.68802  $[{-a(n+2)+10a(n+1)+6a(n), a(0) = 0, a(1) = 1},$  ogf]  
A190957 13.9690  $[-(-16x-10)/(-8x^2-10x+1)$  lgdogf]  
A190957 18.7478  $[-x/(8x^2+10x-1)$  ogf]  
A190957 28.1314  $-2(5+8x)/(8x^2-1+10x)$  lgdogf  
A190957 8.68802  $[{-a(n+2)+10a(n+1)+8a(n), a(0) = 0, a(1) = 1},$  ogf]  
A190958 14.1952  $[-(-20x+2)/(-10x^2+2x-1)$  lgdogf]  
A190958 20.8753  $[x/(10x^2-2x+1)$  ogf]  
A190958 27.7683  $-2(-1+10x)/(10x^2+1-2x)$  lgdogf  
A190958 8.65560  $[{a(n+2)-2a(n+1)+10a(n), a(0) = 0, a(1) = 1},$  ogf]  
A190959 14.7117  $[-(-10x+3)/(-5x^2+3x-1)$  lgdogf]  
A190959 21.8447  $[x/(5x^2-3x+1)$  ogf]  
A190959 31.9137  $-(-3+10x)/(5x^2+1-3x)$  lgdogf  
A190959 8.89968  $[{a(n+2)-3a(n+1)+5a(n), a(0) = 0, a(1) = 1},$  ogf]  
A190960 14.9974  $[-(-12x+3)/(-6x^2+3x-1)$  lgdogf]  
A190960 22.2689  $[x/(6x^2-3x+1)$  ogf]  
A190960 30.6312  $-3(-1+4x)/(6x^2+1-3x)$  lgdogf  
A190960 9.07252  $[{a(n+2)-3a(n+1)+6a(n), a(0) = 0, a(1) = 1},$  ogf]  
A190961 14.7848  $[-(-14x+3)/(-7x^2+3x-1)$  lgdogf]  
A190961 21.9532  $[x/(7x^2-3x+1)$  ogf]  
A190961 31.4611  $-(-3+14x)/(7x^2+1-3x)$  lgdogf  
A190961 8.94390  $[{a(n+2)-3a(n+1)+7a(n), a(0) = 0, a(1) = 1},$  ogf]  
A190962 14.5000  $[-(-16x+3)/(-8x^2+3x-1)$  lgdogf]  
A190962 21.5303  $[x/(8x^2-3x+1)$  ogf]  
A190962 31.0072  $-(-3+16x)/(8x^2+1-3x)$  lgdogf  
A190962 8.77160  $[{a(n+2)-3a(n+1)+8a(n), a(0) = 0, a(1) = 1},$  ogf]  
A190963 13.7215  $[-(-18x+3)/(-9x^2+3x-1)$  lgdogf]

A190963 20.3744 [  $x/(9x^2-3x+1)$  ogf]  
A190963 29.2508  $-3*(-1+6x)/(9x^2+1-3x)$  lgdogf  
A190963 8.30067 [ $\{a(n+2)-3a(n+1)+9a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190964 14.4617 [ $-(-20x+3)/(-10x^2+3x-1)$  lgdogf]  
A190964 21.2673 [  $x/(10x^2-3x+1)$  ogf]  
A190964 30.2564  $-(-3+20x)/(10x^2+1-3x)$  lgdogf  
A190964 8.81813 [ $\{a(n+2)-3a(n+1)+10a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190965 14.2989 [ $-(-4+12x)/(6x^2-4x+1)$  lgdogf]  
A190965 21.2317 [  $x/(6x^2-4x+1)$  ogf]  
A190965 30.7525  $-4*(3x-1)/(6x^2+1-4x)$  lgdogf  
A190965 8.64996 [ $\{a(n+2)-4a(n+1)+6a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190966 14.9239 [ $-(-4-16x)/(-8x^2+4x-1)$  lgdogf]  
A190966 22.1597 [  $x/(8x^2-4x+1)$  ogf]  
A190966 31.4689  $-4*(-1+4x)/(8x^2+1-4x)$  lgdogf  
A190966 9.02804 [ $\{a(n+2)-4a(n+1)+8a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190967 14.2129 [ $-(-18x+4)/(-9x^2+4x-1)$  lgdogf]  
A190967 21.1039 [  $x/(9x^2-4x+1)$  ogf]  
A190967 29.0568  $-2*(-2+9x)/(9x^2+1-4x)$  lgdogf  
A190967 8.59790 [ $\{a(n+2)-4a(n+1)+9a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190968 14.5284 [ $-(-20x+4)/(-10x^2+4x-1)$  lgdogf]  
A190968 21.3653 [  $x/(10x^2-4x+1)$  ogf]  
A190968 29.4772  $-4*(-1+5x)/(10x^2+1-4x)$  lgdogf  
A190968 8.85878 [ $\{a(n+2)-4a(n+1)+10a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190969 14.8436 [ $-(-16x+5)/(-8x^2+5x-1)$  lgdogf]  
A190969 22.0405 [  $x/(8x^2-5x+1)$  ogf]  
A190969 31.5684  $-(-5+16x)/(8x^2+1-5x)$  lgdogf  
A190969 8.97947 [ $\{a(n+2)-5a(n+1)+8a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190970 14.4849 [ $-(-18x-5)/(9x^2-5x+1)$  lgdogf]  
A190970 21.5078 [  $x/(9x^2-5x+1)$  ogf]  
A190970 30.6840  $-(-5+18x)/(9x^2+1-5x)$  lgdogf  
A190970 8.76246 [ $\{a(n+2)-5a(n+1)+9a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190971 14.6617 [ $-(-5+20x)/(10x^2-5x+1)$  lgdogf]  
A190971 21.5613 [  $x/(10x^2-5x+1)$  ogf]  
A190971 29.6053  $-5*(-1+4x)/(10x^2+1-5x)$  lgdogf  
A190971 8.94005 [ $\{a(n+2)-5a(n+1)+10a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190972 14.8282 [ $-(-6x-7)/(3x^2-7x+1)$  lgdogf]  
A190972 21.5684 [  $x/(3x^2-7x+1)$  ogf]  
A190972 30.5369  $-(-7+6x)/(3x^2+1-7x)$  lgdogf  
A190972 8.78711 [ $\{a(n+2)-7a(n+1)+3a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190973 14.6323 [ $-(-8x-7)/(4x^2-7x+1)$  lgdogf]  
A190973 21.2833 [  $x/(4x^2-7x+1)$  ogf]  
A190973 30.1280  $-(-7+8x)/(4x^2+1-7x)$  lgdogf  
A190973 8.67099 [ $\{a(n+2)-7a(n+1)+4a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190974 14.1417 [ $-(-10x-7)/(5x^2-7x+1)$  lgdogf]  
A190974 20.9983 [  $x/(5x^2-7x+1)$  ogf]  
A190974 28.4807  $-(-7+10x)/(5x^2+1-7x)$  lgdogf  
A190974 8.55485 [ $\{a(n+2)-7a(n+1)+5a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190975 14.3605 [ $-(-4x-8)/(2x^2-8x+1)$  lgdogf]  
A190975 20.8879 [  $x/(2x^2-8x+1)$  ogf]  
A190975 29.5665  $-4*(-2+x)/(2x^2+1-8x)$  lgdogf  
A190975 8.50990 [ $\{a(n+2)-8a(n+1)+2a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190976 14.2317 [ $-(-6x-8)/(3x^2-8x+1)$  lgdogf]  
A190976 20.7006 [  $x/(3x^2-8x+1)$  ogf]  
A190976 26.9539  $-2*(-4+3x)/(3x^2+1-8x)$  lgdogf  
A190976 8.43358 [ $\{a(n+2)-8a(n+1)+3a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190977 15.2295 [ $-(-10x-8)/(5x^2-8x+1)$  lgdogf]  
A190977 22.6135 [  $x/(5x^2-8x+1)$  ogf]  
A190977 29.4736  $-2*(-4+5x)/(5x^2+1-8x)$  lgdogf  
A190977 9.21293 [ $\{a(n+2)-8a(n+1)+5a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A190978 15.1655 [ $-(-12x-8)/(6x^2-8x+1)$  lgdogf]  
A190978 22.5185 [  $x/(6x^2-8x+1)$  ogf]

A190978 29.3482  $-4*(-2+3*x)/(6*x^2+1-8*x)$  lgdogf  
A190978 9.17421  $[{a(n+2)-8*a(n+1)+6*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A190979 15.0044  $[-(4*x-9)/(2*x^2-9*x+1)$  lgdogf]  
A190979 21.8246  $[x/(2*x^2-9*x+1)$  ogf]  
A190979 30.9104  $-(-9+4*x)/(2*x^2-9*x+1)$  lgdogf  
A190979 8.89151  $[{a(n+2)-9*a(n+1)+2*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A190980 14.9400  $[-(6*x-9)/(3*x^2-9*x+1)$  lgdogf]  
A190980 21.7309  $[x/(3*x^2-9*x+1)$  ogf]  
A190980 28.3139  $-3*(-3+2*x)/(3*x^2+1-9*x)$  lgdogf  
A190980 8.85335  $[{a(n+2)-9*a(n+1)+3*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A190981 14.8112  $[-(8*x-9)/(4*x^2-9*x+1)$  lgdogf]  
A190981 21.5436  $[x/(4*x^2-9*x+1)$  ogf]  
A190981 30.5072  $-(-9+8*x)/(4*x^2+1-9*x)$  lgdogf  
A190981 8.77702  $[{a(n+2)-9*a(n+1)+4*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A190982 14.4459  $[-(10*x-9)/(5*x^2-9*x+1)$  lgdogf]  
A190982 21.4499  $[x/(5*x^2-9*x+1)$  ogf]  
A190982 29.1073  $-(-9+10*x)/(5*x^2+1-9*x)$  lgdogf  
A190982 8.73886  $[{a(n+2)-9*a(n+1)+5*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A190983 14.3828  $[-(12*x-9)/(6*x^2-9*x+1)$  lgdogf]  
A190983 21.3563  $[x/(6*x^2-9*x+1)$  ogf]  
A190983 27.8194  $-3*(-3+4*x)/(6*x^2+1-9*x)$  lgdogf  
A190983 8.70070  $[{a(n+2)-9*a(n+1)+6*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A190984 14.3197  $[-(14*x-9)/(7*x^2-9*x+1)$  lgdogf]  
A190984 21.2626  $[x/(7*x^2-9*x+1)$  ogf]  
A190984 28.8497  $-(-9+14*x)/(7*x^2+1-9*x)$  lgdogf  
A190984 8.66254  $[{a(n+2)-9*a(n+1)+7*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A190985 14.6515  $[-(6*x-10)/(3*x^2-10*x+1)$  lgdogf]  
A190985 21.5464  $[x/(3*x^2-10*x+1)$  ogf]  
A190985 27.8194  $-2*(-5+3*x)/(3*x^2+1-10*x)$  lgdogf  
A190985 8.93385  $[{a(n+2)-10*a(n+1)+3*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A190986 14.6515  $[-(8*x-10)/(4*x^2-10*x+1)$  lgdogf]  
A190986 21.5464  $[x/(4*x^2-10*x+1)$  ogf]  
A190986 27.8194  $-2*(-5+4*x)/(4*x^2+1-10*x)$  lgdogf  
A190986 8.93385  $[{a(n+2)-10*a(n+1)+4*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A190987 14.3642  $[-(10*x-10)/(5*x^2-10*x+1)$  lgdogf]  
A190987 21.5464  $[x/(5*x^2-10*x+1)$  ogf]  
A190987 30.1376  $-10*(x-1)/(5*x^2+1-10*x)$  lgdogf  
A190987 8.93385  $[{a(n+2)-10*a(n+1)+5*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A190988 14.3642  $[-(12*x-10)/(6*x^2-10*x+1)$  lgdogf]  
A190988 21.5464  $[x/(6*x^2-10*x+1)$  ogf]  
A190988 27.8194  $-2*(-5+6*x)/(6*x^2+1-10*x)$  lgdogf  
A190988 8.93385  $[{a(n+2)-10*a(n+1)+6*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A190989 14.3642  $[-(14*x-10)/(7*x^2-10*x+1)$  lgdogf]  
A190989 21.5464  $[x/(7*x^2-10*x+1)$  ogf]  
A190989 27.8194  $-2*(-5+7*x)/(7*x^2+1-10*x)$  lgdogf  
A190989 8.93385  $[{a(n+2)-10*a(n+1)+7*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A190990 14.3642  $[-(16*x-10)/(8*x^2-10*x+1)$  lgdogf]  
A190990 21.5464  $[x/(8*x^2-10*x+1)$  ogf]  
A190990 27.8194  $-2*(-5+8*x)/(8*x^2+1-10*x)$  lgdogf  
A190990 8.93385  $[{a(n+2)-10*a(n+1)+8*a(n), a(0) = 0, a(1) = 1}]$ , ogf]  
A190991 15.7285  $[-(-12*x-14)/(-12*x^2+11*x+1)$  lgdogf]  
A190991 17.7800  $[(12*x+1)/(x-1)^2$  ogf]  
A190991 32.0799  $-2*(7+6*x)/(12*x+1)/(x-1)$  lgdogf  
A190991 9.85398  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 14}]$ , ogf]  
A190994 10.3236  $[-(25*x^2-54*x-2)/(25*x^3-2*x^2-52*x+27)$  lgdogf]  
A190994 15.1559  $[(25*x-27)/(x^2+x-1)$  ogf]  
A190994 18.8708  $-(-2-54*x+25*x^2)/(25*x-27)/(x^2+x-1)$  lgdogf  
A190994 8.58223  $[{-a(n+2)+a(n+1)+a(n), a(0) = 27, a(1) = 2}]$ , ogf]  
A190995 12.3647  $[-(2*x^2-18*x-7)/(2*x^3-7*x^2-11*x+9)$  lgdogf]  
A190995 18.1348  $[ (2*x-9)/(x^2+x-1)$  ogf]  
A190995 23.5772  $-(-7-18*x+2*x^2)/(2*x-9)/(x^2+x-1)$  lgdogf

A190995 9.95205 [ $\{-a(n+2)+a(n+1)+a(n), a(0) = 9, a(1) = 7\}$ , ogf]  
A190996 11.6063 [ $\{-(-3*x^2+20*x+7)/(-3*x^3+7*x^2+13*x-10) \lgdogf\}$ ]  
A190996 16.9049 [ $\{3*x-10/(x^2+x-1) \text{ ogf}\}$ ]  
A190996 23.1300 [ $\{-3*x+1*(x-7)/(3*x-10)/(x^2+x-1) \lgdogf\}$ ]  
A190996 9.36896 [ $\{-a(n+2)+a(n+1)+a(n), a(0) = 10, a(1) = 7\}$ , ogf]  
A191007 16.6692 [ $\{-(-6*x-3)/(-2*x^2-x+1) \lgdogf\}$ ]  
A191007 24.2461 [ $\{3/(x+1)/(2*x-1)^2 \text{ ogf}\}$ ]  
A191007 8.42232 [ $\{-a(n+3)+3*a(n+2)-4*a(n), a(0) = 3, a(1) = 9, a(2) = 27\}$ , ogf]  
A191008 16.2732 [ $\{-(-9*x-5)/(-3*x^2-2*x+1) \lgdogf\}$ ]  
A191008 19.0516 [ $\{1/(x+1)/(3*x-1)^2 \text{ ogf}\}$ ]  
A191008 6.91251 [ $\{-a(n+3)+5*a(n+2)-3*a(n+1)-9*a(n), a(0) = 1, a(1) = 5, a(2) = 22\}$ , ogf]  
A191010 14.7877 [ $\{-(-12*x-7)/(-4*x^2-3*x+1) \lgdogf\}$ ]  
A191010 17.2523 [ $\{1/(x+1)/(4*x-1)^2 \text{ ogf}\}$ ]  
A191010 6.35610 [ $\{-a(n+3)+7*a(n+2)-8*a(n+1)-16*a(n), a(0) = 1, a(1) = 7, a(2) = 41\}$ , ogf]  
A191012 6.15893 [ $\{x*(5*x^4+32*x^3+66*x^2+16*x+1)/(x-1)^6 \text{ ogf}\}$ ]  
A191012 9.75997 [ $\{-2*(11+106*x+5*x^4+58*x^3+180*x^2)/(x-1)/(5*x^4+32*x^3+66*x^2+16*x+1) \lgdogf\}$ ]  
A191014 14.2484 [ $\{-(-4*x-10)/(-2*x^2-10*x+1) \lgdogf\}$ ]  
A191014 18.7478 [ $\{-x/(2*x^2+10*x-1) \text{ ogf}\}$ ]  
A191014 28.1314 [ $\{-2*(5+2*x)/(2*x^2-1+10*x) \lgdogf\}$ ]  
A191014 8.68802 [ $\{-a(n+2)+10*a(n+1)+2*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A191111 10.8125 [ $\{-(9900*x^11-9900*x^10+1089*x^2-1088*x-11)/(x-1)^2 \text{ ogf}\}$ ]  
A191111 9.81652 [ $\{10*(111-109*x+9900*x^9+8910*x^11-18810*x^10)/(x-1)/(9900*x^11-9900*x^10+1089*x^2-1088*x-11) \lgdogf\}$ ]  
A191153 5.15938 [ $\{-(-x^55+x^53+x^13+x^12+x^11-x^10-x^9-x^8+x^7+2*x^6+x^5-x^3+1)/(-x^53-x^7-x^6-x^5-1) \text{ ogf\_with\_Euler\_transform}\}$ ]  
A191230 5.31581 [ $\{-(x^38-3*x^37-x^36-x^35-2*x^33-2*x^32-2*x^6-2*x^5-x^2-2*x-1)/(2*x^32+x+1)/(x^4+1)/(x-1)^2 \text{ ogf}\}$ ]  
A191231 5.87005 [ $\{(5*x^36-2*x^35+x^34+2*x^32+2*x^31+2*x^4+2*x^3+4)/(x^32+x^31+2)/(x^4+1)/(x-1)^2 \text{ ogf}\}$ ]  
A191237 15.9837 [ $\{[5*x^4+3*x^2+1] \lgdegf\}$ ]  
A191237 43.3259 [ $\{1+3*x^2+5*x^4 \lgdegf\}$ ]  
A191241 29.3353 [ $\{-2*x^5-x^2+x \text{ revogf}\}$ ]  
A191241 33.0402 [ $\{-x*(x+1)*(2*x^3-2*x^2+2*x-1) \text{ revogf}\}$ ]  
A191242 16.6848 [ $\{-2*x^4-x^3-x^2+x \text{ revogf}\}$ ]  
A191242 32.7339 [ $\{-x*(2*x-1)*(x^2+x+1) \text{ revogf}\}$ ]  
A191272 11.4856 [ $\{-x*(5*x+4)/(4*x-1)/(x^2+x+1) \text{ ogf}\}$ ]  
A191272 12.9029 [ $\{-(17+24*x+40*x^3+63*x^2)/(4*x-1)/(5*x+4)/(x^2+x+1) \lgdogf\}$ ]  
A191272 5.84534 [ $\{-a(n+3)+3*a(n+2)+3*a(n+1)+4*a(n), a(0) = 0, a(1) = 4, a(2) = 17\}$ , ogf]  
A191272 7.52503 [ $\{-(40*x^3+63*x^2+24*x+17)/(20*x^4+31*x^3+27*x^2+7*x-4) \lgdogf\}$ ]  
A191275 25.4258 [ $\{x^6-x^5-x+3 \text{ ogf\_with\_Euler\_transform}\}$ ]  
A191275 8.68165 [ $\{x*(x^2+x+1)*(x^2-x+1)*(x+1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 \text{ ogf}\}$ ]  
A191276 17.6315 [ $\{x*(x^2+x+1)*(x^4+2*x^3-2*x^2+2*x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 \text{ ogf}\}$ ]  
A191296 12.4158 [ $\{-4*(-9+56*x+80*x^3-118*x^2)/(x-1)/(2*x-1)/(4*x-1)/(24*x^3-42*x^2+41*x-11) \lgdogf\}$ ]  
A191296 12.4262 [ $\{(24*x^3-42*x^2+41*x-11)/(x-1)/(2*x-1)/(4*x-1) \text{ ogf}\}$ ]  
A191296 6.61539 [ $\{a(n+4)-7*a(n+3)+14*a(n+2)-8*a(n+1), a(0) = 11, a(1) = 36, a(2) = 140, a(3) = 540\}$ , ogf]  
A191296 7.85931 [ $\{-(320*x^3-472*x^2+224*x-36)/(192*x^6-672*x^5+1084*x^4-980*x^3+483*x^2-118*x+11) \lgdogf\}$ ]  
A191303 4.93103 [ $\{-(1729*x^4-8636*x^3+30010*x^2+56580*x+52029)/(x-1)^5 \text{ ogf}\}$ ]  
A191309 7.46024 [ $\{2*I/x/(2*x-1)^{(1/2)}/(2*x+1)^{(1/2)}-2*(8*x^2+x-1)/(2*x-1)/(2*x+1)/x \lgdogf\}$ ]  
A191319 11.1332 [ $\{-(16*x^3+2*x^2-10*x-2)/(4*x^4-5*x^2+1) \lgdogf\}$ ]  
A191319 15.7607 [ $\{-2*(-1-5*x+8*x^3+x^2)/(x-1)/(2*x+1)/(2*x-1)/(x+1) \lgdogf\}$ ]  
A191321 15.3784 [ $\{1/2*(x+1)*(-x^2-2*x+(5*x^2+4*x+1)^{(1/2)}*(1+x^2)^{(1/2)}-1)/x^3\}$ ]

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revogf
A191321 7.81681 [1/2*(5*x^2+4*x+1)^(1/2)*(x^2+1)^(1/2)/x^3*(x
+1)-1/2*(x^3+3*x^2+3*x+1)/x^3 revogf]
A191341 10.3399 -(4*x-3)*(48*x^3-68*x^2+64*x-17)/(x-1)/(4*x-1)/(2*x-1)/
(24*x^2-26*x+11) lgdogf
A191341 11.9199 [- (16*x^2-10*x+3)/(x-1)/(2*x-1)/(4*x-1) ogf]
A191341 6.63370 [{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 3, a(1) = 11, a(2) =
51}, ogf]
A191341 6.75111 [-(128*x^4-160*x^3+100*x^2-52*x+11)/
(128*x^5-304*x^4+276*x^3-128*x^2+31*x-3) lgdogf]
A191353 23.1963 2*ln(x+1)*x+ln(x+1)+x lgdegf
A191353 6.45439 [(-1/2/(2*x+1)+ln(x+1)+1/2)*(2*x+1) lgdegf]
A191354 13.0202 [-(6*x^2+3*x+1)/(4*x^3+3*x^2+2*x-1) lgdogf]
A191354 24.1085 -(1+3*x+6*x^2)/(3*x^2-1+2*x+4*x^3) lgdogf
A191354 4.22992 [{(n+4)*a(n+4)+(-7-2*n)*a(n+3)+(-9-3*n)*a(n+2)+(-10-4*n)*a(n+1),
a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 9}, ogf]
A191365 13.3198 I*(Pi*x-Pi+I*ln(x-1)*x-I*ln(x-1)+I)*exp(x)/(x-1) lgdegf
A191370 3.95027 [{a(n+4)-2*a(n+3)+a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 4,
a(3) = 2}, ogf]
A191370 7.94174 -2*(-1-14*x^3+5*x^6+9*x^2)/(2*x-1)/(x+1)/(x^2-x+1)/(5*x^3-1)
lgdogf
A191370 8.59356 [(5*x^3-1)/(2*x-1)/(x+1)/(x^2-x+1) ogf]
A191386 4.66645 [{-8*a(n)*n+4*a(n+1)*n+(2*n+2)*a(n+2)+(-n-1)*a(n+3), a(0) = 0,
a(1) = 0, a(2) = 1, a(3) = 2, a(4) = 5}, ogf]
A191386 7.72085 [-I/x/(2*x+1)^(1/2)/(2*x-1)^(1/2)-(4*x^2+2*x+1)/(2*x+1)/(2*x-1)/
x lgdogf]
A191389 8.83934 [3*I/x/(2*x+1)^(1/2)/(2*x-1)^(1/2)-(8*x-3)/(2*x-1)/x lgdogf]
A191391 3.95716 [{8*a(n)*n^2+(-4*n^2+8)*a(n+1)+(-2*n^2-6*n+4)*a(n
+2)+(n^2+3*n-4)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 3, a(4) = 5}, ogf]
A191413 11.9468 [-(12*x^2+2*x-8)/(-12*x^3+25*x^2-20*x+7) lgdogf]
A191413 12.8950 [- (12*x^2-13*x+7)/(x-1)^3 ogf]
A191413 22.1384 -2*(4-x+6*x^2)/(x-1)/(12*x^2-13*x+7) lgdogf
A191413 7.18922 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 7, a(1) = 8, a(2) = 15},
ogf]
A191422 6.89834 [(-x-2)/(x^2+x+1)+ln(x^2+x+1)+2 lgdegf]
A191422 9.18347 (x+ln(x^2+x+1)*x^2+ln(x^2+x+1)*x+ln(x^2+x+1)+2*x^2)/(x^2+x+1)
lgdegf
A191465 12.2710 [-(36*x-11)/(18*x^2-11*x+1) lgdogf]
A191465 16.3613 [ 7*x/(9*x-1)/(2*x-1) ogf]
A191465 23.3001 -(-11+36*x)/(9*x-1)/(2*x-1) lgdogf
A191465 7.68783 [{a(n+2)-11*a(n+1)+18*a(n), a(0) = 0, a(1) = 7}, ogf]
A191466 12.2710 [-(90*x-14)/(45*x^2-14*x+1) lgdogf]
A191466 16.3613 [ 4*x/(9*x-1)/(5*x-1) ogf]
A191466 22.4680 -2*(-7+45*x)/(9*x-1)/(5*x-1) lgdogf
A191466 7.68783 [{a(n+2)-14*a(n+1)+45*a(n), a(0) = 0, a(1) = 4}, ogf]
A191467 12.0394 [-(126*x-16)/(63*x^2-16*x+1) lgdogf]
A191467 16.3613 [ 2*x/(9*x-1)/(7*x-1) ogf]
A191467 22.4680 -2*(-8+63*x)/(9*x-1)/(7*x-1) lgdogf
A191467 7.68783 [{a(n+2)-16*a(n+1)+63*a(n), a(0) = 0, a(1) = 2}, ogf]
A191468 13.1148 [-(80*x-13)/(40*x^2-13*x+1) lgdogf]
A191468 17.4865 [ 3*x/(8*x-1)/(5*x-1) ogf]
A191468 24.9200 -(-13+80*x)/(8*x-1)/(5*x-1) lgdogf
A191468 8.21653 [{a(n+2)-13*a(n+1)+40*a(n), a(0) = 0, a(1) = 3}, ogf]
A191484 4.84390 [(16*x^4+41*x^3+51*x^2+11*x+1)/(x+1)/(x-1)^6 ogf]
A191484 6.43769 -4*(4+41*x+61*x^4+131*x^3+12*x^5+111*x^2)/(x-1)/(x+1)/
(16*x^4+41*x^3+51*x^2+11*x+1) lgdogf
A191489 4.61366 [- (x^2+10*x+1)*(x^4+16*x^3+26*x^2+16*x+1)/(x+1)/(x-1)^7 ogf]
A191494 4.52855 [(64*x^6+645*x^5+1821*x^4+1786*x^3+666*x^2+57*x+1)/(x+1)/
(x-1)^8 ogf]
A191495 4.39135 [ -
(x^8+120*x^7+2284*x^6+9928*x^5+15654*x^4+9928*x^3+2284*x^2+120*x+1)/(x+1)/

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$(x-1)^9$  ogf]  
A191496 4.23090 [ $(256x^8+7537x^7+51463x^6+122149x^5+122275x^4+51379x^3+7573x^2+247x+1)/(x+1)/(x-1)^{10}$  ogf]  
A191497 14.6683 [ $-x^4/(2x-1)/(x^4+1)$  ogf]  
A191497 17.6882  $-2*(1+5x^4-2x^3)/(2x-1)/(1+x^4)$  lgdogf  
A191497 8.71594 [ $-(10x^4-4x^3+2)/(2x^5-x^4+2x-1)$  lgdogf]  
A191501 3.94212 [ $\{(-4n+6)*a(n)-4*a(n+1)*n+(-4n-6)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 10\}$ , ogf]  
A191527 4.15696 [ $\{(-4n^3-8n^2-4n)*a(n)+(-2n^2+2)*a(n+1)+(n^3+2n^2-3n)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3\}$ , ogf]  
A191560 26.2620  $-390625/(-1+390625x)$  lgdogf  
A191566 12.0480 [ $(4x-1)/(2x+1)/(7x-1)$  ogf]  
A191566 13.2251  $-(-1-28x+56x^2)/(2x+1)/(7x-1)/(4x-1)$  lgdogf  
A191566 6.67723 [ $\{-a(n+2)+5*a(n+1)+14*a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A191566 8.27179 [ $-(56x^2-28x-1)/(56x^3+6x^2-9x+1)$  lgdogf]  
A191567 6.48582 [ $x*(2x^{10}-6x^8-x^7-36x^6-12x^5-52x^4-3x^3-30x^2-4x-6)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
A191584 10.1852 [ $-(-9x^4+6x^3+13x^2-8x)/(-3x^5+7x^3-3x^2-2x+1)$  lgdogf]  
A191584 14.1926 [ $-(x-1)/(3x^2-1)/(x^2+x-1)$  ogf]  
A191584 17.0967  $-x*(8+9x^3-6x^2-13x)/(x-1)/(3x^2-1)/(-1+x+x^2)$  lgdogf  
A191593 12.1200  $-2*(17+84x+x^3+42x^2)/(x-1)/(2x^3+39x^2+30x+1)$  lgdogf  
A191593 7.34714 [ $-(2x^3+84x^2+168x+34)/(2x^4+37x^3-9x^2-29x-1)$  lgdogf]  
A191593 7.99815 [ $(2x^3+39x^2+30x+1)/(x-1)^4$  ogf]  
A191596 15.8727 [ $-(3x+11)/(x^2-1)$  lgdogf]  
A191596 32.1568 [[11-4\*x] ogf\_with\_Euler\_transform]  
A191596 33.3588  $-(11+3x)/(x-1)/(x+1)$  lgdogf  
A191596 5.21365 [ $\{(-n-3)*a(n+3)+11*a(n+2)+(4+n)*a(n+1), a(0) = 1, a(1) = 11, a(2) = 62\}$ , ogf]  
A191596 6.32097 [ $-(x+1)^4/(x-1)^7$  ogf]  
A191597 12.8038 [ $-x*(3x+1)/(4x-1)/(x^2+x+1)$  ogf]  
A191597 14.6947  $-3*(2+2x+8x^3+7x^2)/(3x+1)/(-1+4x)/(x^2+x+1)$  lgdogf  
A191597 6.57490 [ $\{-a(n+3)+3*a(n+2)+3*a(n+1)+4*a(n), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A191597 9.01005 [ $-(24x^3+21x^2+6x+6)/(12x^4+13x^3+12x^2-1)$  lgdogf]  
A191649 17.8576  $-(-3-x+2x^3+3x^2)/(-x^2+1-6x+x^4+2x^3)$  lgdogf  
A191649 9.53415 [ $-(2x^3+3x^2-x-3)/(x^4+2x^3-x^2-6x+1)$  lgdogf]  
A191651 7.58213 [ $-(x^8+x^7-x^5-2x^4-2)/(x^3+x-1)/(x^6-x^4-1)$  ogf]  
A191662 12.5811 [ $(x^2+x+1)/(x+1)^2/(x-1)^2$  egf]  
A191662 16.7799  $-(1+6x+2x^3+3x^2)/(x-1)/(x+1)/(x^2+x+1)$  lgdegf  
A191662 9.96001 [ $-(2x^3+3x^2+6x+1)/(x^4+x^3-x-1)$  lgdegf]  
A191680 4.13703 [ $x*(x^8+247x^7+7573x^6+51379x^5+122275x^4+122149x^3+51463x^2+7537x+256)/(x+1)/(x-1)^{10}$  ogf]  
A191681 12.2766 [ $-(18x-10)/(9x^2-10x+1)$  lgdogf]  
A191681 16.4765 [ $4x/(9x-1)/(x-1)$  ogf]  
A191681 44.4405  $-2*(-5+9x)/(9x-1)/(x-1)$  lgdogf  
A191681 7.63546 [ $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 0, a(1) = 4\}$ , ogf]  
A191682 4.48634 [ $-2*(x^{15}+x^7+x^3+x+1)/(x-1)$  ogf]  
A191697 14.7398 [ $-2x*(3x+2)/(2x^3+2x^2-1)$  ogf]  
A191697 8.40008 [ $\{-a(n+3)+2*a(n+1)+2*a(n), a(0) = 0, a(1) = 4, a(2) = 6\}$ , ogf]  
A191697 9.41213 [ $-(12x^3+18x^2+8x+3)/(6x^4+10x^3+4x^2-3x-2)$  lgdogf]  
A191698 4.37349 [ $x*(3x^4+58x^3+139x^2+128x+38)/(x+1)^2/(x-1)^4$  ogf]  
A191721 8.21340 [ $-(x^3-x^2-3x+1)/(x-1)/(x^3-x^2-4x+1)$  ogf]  
A191721 8.26293  $-(2-8x-4x^4+6x^3+x^6-2x^5+11x^2)/(x-1)/(x^3-x^2-4x+1)/(x^3-x^2-3x+1)$  lgdogf  
A191745 15.1954  $-2*(68+71x+5x^2)/(x-1)/(5x^2+44x+23)$  lgdogf  
A191745 8.24157 [ $x*(5x^2+44x+23)/(x-1)^4$  ogf]  
A191745 8.58497 [ $-(10x^2+142x+136)/(5x^3+39x^2-21x-23)$  lgdogf]  
A191754 55.0257 [1 ogf\_with\_Euler\_transform]  
A191759 12.1610 [ $-(x^4+9x^3+5x^2+9x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]

A191760 7.47509 [  $-(x^8+9x^7+7x^6+4x^5+9x^4+4x^3+7x^2+9x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A191761 7.32973  $-(3+6x+10x^4+9x^6+12x^5+6x^2+4x^7)/(x-1)/(x+1)/(2+x+2x^2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A191761 9.08439 [  $-2x(x+1)(2x^2+x+2)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A191762 5.50994 [  $-(9x^8+4x^7+7x^6+9x^5+x^4+x^3+9x^2+7x+4)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A191797 12.8971 [  $-x^3/(x+1)/(x^2-3x+1)/(x^2+x-1)$  ogf]  
A191797 13.0614  $-(3+2x+5x^4-4x^3-15x^2)/(x+1)/(x^2-3x+1)/(-1+x+x^2)$  lgdogf  
A191797 8.11055 [  $-(5x^4-4x^3-15x^2+2x+3)/(x^5-x^4-5x^3+x^2+3x-1)$  lgdogf]  
A191821 6.18023 [  $-2(4x^5-22x^4+31x^3-19x^2+6x-1)/(2x-1)^3/(x-1)^3$  ogf]  
A191821 7.63181  $-(3-10x+100x^4-64x^3+8x^6-64x^5+24x^2)/(x-1)/(2x-1)/(4x^5-22x^4+31x^3-19x^2+6x-1)$  lgdogf  
A191830 11.4154 [  $-x^2(3x-2)/(x^2+x-1)^2$  ogf]  
A191830 12.3073 [  $-(-9x^2+5x+1)/(-3x^3-x^2+5x-2)$  lgdogf]  
A191830 22.9511  $-(-1-5x+9x^2)/(3x-2)/(-1+x+x^2)$  lgdogf  
A191830 4.45008 [  $\{(-n^2-17n-30)a(n+1)+(-n^2-16n-7)a(n+2)+(n^2+15n+14)a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A191869 7.12604 [  $-x^2(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)/(x^{11}+x^9+x^7+x^5+x^3+x-1)$  ogf]  
A191899 4.67878 [  $-16x(8x^6+141x^5+624x^4+974x^3+624x^2+141x+8)/(x+1)/(x-1)^9$  ogf]  
A191900 4.39744 [  $x(x^6+57x^5+666x^4+1786x^3+1821x^2+645x+64)/(x+1)/(x-1)^8$  ogf]  
A191901 6.67568 [  $-4x(8x^4+43x^3+78x^2+43x+8)/(x+1)/(x-1)^7$  ogf]  
A191901 7.07169 [  $-(32x^5+263x^4+758x^3+898x^2+478x+91)/(8x^6+43x^5+70x^4-70x^2-43x-8)$  lgdogf]  
A191901 9.92961  $-(91+478x+898x^2+758x^3+263x^4+32x^5)/(x-1)/(x+1)/(8x^4+43x^3+78x^2+43x+8)$  lgdogf  
A191902 6.16357 [  $x(x^4+11x^3+51x^2+41x+16)/(x+1)/(x-1)^6$  ogf]  
A191902 8.77575  $-(121+419x+534x^2+314x^3+49x^4+3x^5)/(x-1)/(x+1)/(x^4+11x^3+51x^2+41x+16)$  lgdogf  
A191903 16.6192  $-(5+12x+9x^2+4x^3)/(x-1)/(x+1)/(x^2+x+1)$  lgdogf  
A191903 28.7751 [  $-x^2+x+5$  ogf\_with\_Euler\_transform]  
A191903 8.95421 [  $-8(x^2+x+1)x/(x+1)/(x-1)^5$  ogf]  
A191903 9.93549 [  $-(-4x^3-9x^2-12x-5)/(-x^4-x^3+x+1)$  lgdogf]  
A191967 8.17676 [  $-(-4x^4-20x^3-24x^2-20x-4)/(-2x^5-6x^4-x^3+5x^2+3x+1)$  lgdogf]  
A191967 9.09549 [  $-x(2x^3+6x^2+3x+1)/(x+1)^2/(x-1)^3$  ogf]  
A191968 14.8068 [  $(x+29)/(x^2-47x+1)$  ogf]  
A191968 18.5089  $-(-1364+58x+x^2)/(x+29)/(x^2-47x+1)$  lgdogf  
A191968 7.99908 [  $\{-a(n+2)+47a(n+1)-a(n), a(0) = 29, a(1) = 1364\}$ , ogf]  
A191968 9.53315 [  $-(x^2+58x-1364)/(x^3-18x^2-1362x+29)$  lgdogf]  
A191993 4.12693 [  $\{(12n^2+54n+60)a(n+1)+(-7n^2-33n-32)a(n+2)+(n^2+5n+4)a(n+3), a(0) = 2, a(1) = 6, a(2) = 19\}$ , ogf]  
A192019 5.49649 [  $(x^4-3x^2+4x+1)/(x+1)^2/(x^2-3x+1)^2/(x^2+x-1)^2$  ogf]  
A192021 13.7334 [  $-(24x-10)/(8x^2-6x+1)$  lgdogf]  
A192021 17.1668 [  $-1/(2x-1)/(4x-1)^2$  ogf]  
A192021 24.0761  $-2(-5+12x)/(4x-1)/(2x-1)$  lgdogf  
A192021 5.86899 [  $\{a(n+3)-10a(n+2)+32a(n+1)-32a(n), a(0) = 1, a(1) = 10, a(2) = 68\}$ , ogf]  
A192023 12.1558 [  $-(3x^2-6x-1)/(x-1)^4$  ogf]  
A192023 12.7083 [  $-(-6x^2+12x+10)/(-3x^3+9x^2-5x-1)$  lgdogf]  
A192023 22.2622  $-2(-5-6x+3x^2)/(x-1)/(3x^2-6x-1)$  lgdogf  
A192023 4.19374 [  $\{(-n-4)a(n+4)+(-5-5n)a(n+3)+(30+9n)a(n+2)+(-9-3n)a(n+1), a(0) = 1, a(1) = 10, a(2) = 31, a(3) = 68\}$ , ogf]  
A192025 11.3828 [  $-(8x^2-13x-4)/(x-1)^4$  ogf]  
A192025 11.7176 [  $-(-16x^2+23x+29)/(-8x^3+21x^2-9x-4)$  lgdogf]  
A192025 20.0524  $-(-29-23x+16x^2)/(x-1)/(8x^2-13x-4)$  lgdogf  
A192025 3.90587 [  $\{(-4n-16)a(n+4)+(2-9n)a(n+3)+(65+21n)a(n+2)+(-24-8n)a(n+1), a(0) = 4, a(1) = 29, a(2) = 84, a(3) = 178\}$ , ogf]

A192031 4.49625 [ $(3x^{13}+3x^{12}-3x^{11}-6x^{10}-2x^9-16x^8+11x^7+10x^6-3x^5+22x^4-9x^3-3x^2-9)/(x+1)^2/(x-1)^3/(x^2+1)^3$  ogf]  
A192033 12.3694 [ $x^*(3x^2+x+1)/(x-1)/(2x-1)/(x+1)$  ogf]  
A192033 6.09098 [ $\{-a(n+4)+2a(n+3)+a(n+2)-2a(n+1), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 10\}$ , ogf]  
A192033 9.03382 [ $-(-6x^4-4x^3-11x^2+8x+3)/(-6x^5+x^4+5x^3+x-1)$  lgdogf]  
A192068 12.6421 [ $-(-7-24x^3+6x^4+27x^2)/(x-1)/(2x-3)/(x+1)/(x^2-3x+1)$  lgdogf]  
A192068 12.8194 [ $x^*(2x-3)/(x^2-3x+1)/(x-1)/(x+1)$  ogf]  
A192068 7.69162 [ $-(-6x^4+24x^3-27x^2+7)/(-2x^5+9x^4-9x^3-6x^2+11x-3)$  lgdogf]  
A192069 5.01855 [ $x^*(x^4-3x^3+4x^2-2x+1)/(x-1)/(x^2+x-1)^5$  ogf]  
A192069 8.52349 [ $-(-4-4x-40x^3+50x^4-28x^5+7x^6+20x^2)/(x-1)/(x^2+x-1)/(x^4-3x^3+4x^2-2x+1)$  lgdogf]  
A192080 10.7522 [ $-6*(1-5x-10x^3+5x^4+10x^2)/(2x-1)/(x^2-x+1)/(3x^2-3x+1)$  lgdogf]  
A192080 12.1471 [ $-1/(2x-1)/(x^2-x+1)/(3x^2-3x+1)$  ogf]  
A192096 27.7103 [ $2/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A192107 11.3337 [ $-(500x-55)/(250x^2-55x+1)$  lgdogf]  
A192107 16.5411 [ $25/(50x-1)/(5x-1)$  ogf]  
A192107 6.87662 [ $\{-a(n+2)+55a(n+1)-250a(n), a(0) = 25, a(1) = 1375\}$ , ogf]  
A192136 12.8233 [ $-(-5x^2-8x-2)/(-5x^3+6x^2-2x+1)$  lgdogf]  
A192136 13.4540 [ $-(5x^2-x+1)/(x-1)^3$  ogf]  
A192136 25.1628 [ $-(2+8x+5x^2)/(x-1)/(5x^2-x+1)$  lgdogf]  
A192136 7.32762 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A192142 6.54326 [ $x^*(x^4+5x^2-2x+3)/(x-1)/(x^2+x-1)^3$  ogf]  
A192142 8.67742 [ $-(-10-12x-26x^3+29x^4-2x^5+3x^6+25x^2)/(x-1)/(x^2+x-1)/(x^4+5x^2-2x+3)$  lgdogf]  
A192143 6.28150 [ $(6x^4-12x^3+15x^2-3x+1)/(x-1)/(x^2+x-1)^3$  ogf]  
A192143 7.59601 [ $-(-1-26x-96x^3+123x^4-60x^5+18x^6+49x^2)/(x-1)/(x^2+x-1)/(6x^4-12x^3+15x^2-3x+1)$  lgdogf]  
A192144 6.73823 [ $-x^*(3x^3-11x^2+3x-6)/(x-1)/(x^2+x-1)^3$  ogf]  
A192144 9.38731 [ $-(21+28x+46x^3-61x^4+12x^5-57x^2)/(x-1)/(x^2+x-1)/(3x^3-11x^2+3x-6)$  lgdogf]  
A192145 6.27676 [ $(4x^4-9x^3+12x^2-3x+1)/(x-1)/(x^2+x-1)^3$  ogf]  
A192145 7.69135 [ $-(-1-20x-76x^3+94x^4-44x^5+12x^6+40x^2)/(x-1)/(x^2+x-1)/(4x^4-9x^3+12x^2-3x+1)$  lgdogf]  
A192146 6.60805 [ $-x^*(2x^3-8x^2+3x-5)/(x-1)/(x^2+x-1)^3$  ogf]  
A192146 9.36495 [ $-(17+20x+38x^3-44x^4+8x^5-47x^2)/(x-1)/(x^2+x-1)/(2x^3-8x^2+3x-5)$  lgdogf]  
A192218 6.37610 [ $-(x^{35}-2x^{34}+x^{30}-3x^{29}+x^{28}-x+2)/(x^{34}+x^{29}-1)/(x-1)^2$  ogf]  
A192232 11.5935 [ $-(x^2+x-1)/(x^4+x^3-3x^2-x+1)$  ogf]  
A192232 13.6084 [ $-x^*(4-2x^2+4x^3+2x^4-5x)/(x^2+x-1)/(x^4+x^3-3x^2-x+1)$  lgdogf]  
A192232 7.40698 [ $-(2x^5+4x^4-2x^3-5x^2+4x)/(x^6+2x^5-3x^4-5x^3+3x^2+2x-1)$  lgdogf]  
A192234 10.3500 [ $-2*(x+1)*(x^4-5x^3+7x^2-x+2)/(x^2-2x-1)/(x^4-2x^3-2x^2-2x+1)$  lgdogf]  
A192234 9.49449 [ $-x^*(x^2-2x-1)/(x^4-2x^3-2x^2-2x+1)$  ogf]  
A192235 10.3510 [ $-2*(x^2-x-4)*(x^3-3x^2-x-1)/(x-3)/(x+1)/(x^4-2x^3-2x^2-2x+1)$  lgdogf]  
A192235 9.21029 [ $-x^*(x+1)*(x-3)/(x^4-2x^3-2x^2-2x+1)$  ogf]  
A192236 14.1923 [ $2/(x^4-2x^3-2x^2-2x+1)$  ogf]  
A192236 14.5157 [ $-2*(-1-2x+2x^3-3x^2)/(x^4-2x^3-2x^2-2x+1)$  lgdogf]  
A192236 8.69278 [ $-(4x^3-6x^2-4x-2)/(x^4-2x^3-2x^2-2x+1)$  lgdogf]  
A192237 14.7569 [ $1/(x^4-2x^3-2x^2-2x+1)$  ogf]  
A192237 15.1012 [ $-2*(-1-2x+2x^3-3x^2)/(x^4-2x^3-2x^2-2x+1)$  lgdogf]  
A192237 9.03859 [ $-(4x^3-6x^2-4x-2)/(x^4-2x^3-2x^2-2x+1)$  lgdogf]  
A192240 14.7158 [ $-(4x-1)/(11x^2-7x+1)$  ogf]  
A192240 17.0311 [ $-(3-22x+44x^2)/(4x-1)/(11x^2-7x+1)$  lgdogf]

A192240 8.15572 [ $\{a(n+2)-7*a(n+1)+11*a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A192240 9.81051 [ $-( -44*x^2+22*x-3)/(-44*x^3+39*x^2-11*x+1)$  lgdogf]  
A192243 11.7580 [ $-(2*x^2-2*x+1)/(x^2-3*x+1)/(x-1)/(x+1)$  ogf]  
A192243 9.64063 [ $-(1+4*x+16*x^3-12*x^4+4*x^5-15*x^2)/(x-1)/(x+1)/(x^2-3*x+1)/(2*x^2-2*x+1)$  lgdogf]  
A192244 6.43197 [ $-(3*x^3-6*x^2+3*x-1)/(x-1)/(x^2+x-1)^3$  ogf]  
A192244 8.83367 [ $-(1+8*x+36*x^3-36*x^4+12*x^5-22*x^2)/(x-1)/(x^2+x-1)/(3*x^3-6*x^2+3*x-1)$  lgdogf]  
A192245 10.8272 [ $-( -9-4*x-22*x^3+10*x^4+27*x^2)/(x-1)/(2*x^2-3*x+3)/(x^2+x-1)$  lgdogf]  
A192245 6.80240 [ $x*(2*x^2-3*x+3)/(x-1)/(x^2+x-1)^3$  ogf]  
A192246 5.56320 [ $-(5*x^4-12*x^3+12*x^2-4*x+1)/(x-1)/(x^2+x-1)^4$  ogf]  
A192246 7.73680 [ $-( -1-15*x-100*x^3+135*x^4-87*x^5+25*x^6+45*x^2)/(x-1)/(x^2+x-1)/(5*x^4-12*x^3+12*x^2-4*x+1)$  lgdogf]  
A192247 5.58479 [ $x*(x-2)*(3*x^2-2*x+2)/(x-1)/(x^2+x-1)^4$  ogf]  
A192247 9.14631 [ $-(14+10*x+75*x^3-65*x^4+18*x^5-55*x^2)/(x-1)/(x-2)/(3*x^2-2*x+2)/(x^2+x-1)$  lgdogf]  
A192248 4.53179 [ $-(8*x^5-25*x^4+30*x^3-20*x^2+5*x-1)/(x-1)/(x^2+x-1)^5$  ogf]  
A192249 4.72442 [ $5*x*(x^4-3*x^3+4*x^2-2*x+1)/(x-1)/(x^2+x-1)^5$  ogf]  
A192249 8.18999 [ $-( -4-4*x-40*x^3+50*x^4-28*x^5+7*x^6+20*x^2)/(x-1)/(x^2+x-1)/(x^4-3*x^3+4*x^2-2*x+1)$  lgdogf]  
A192252 3.47724 [ $\{(n^2+7*n+12)*a(n+1)+(-n^2-6*n-8)*a(n+2)+(-n-5)*a(n+3)+a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 9\}$ , ogf]  
A192253 3.50815 [ $\{(n^2+7*n+12)*a(n+1)+(-n^2-6*n-8)*a(n+2)+(-n-5)*a(n+3)+a(n+4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 15\}$ , ogf]  
A192254 6.14712 [ $(2*x^4-6*x^3+9*x^2-3*x+1)/(x-1)/(x^2+x-1)^3$  ogf]  
A192254 7.63293 [ $-( -1-14*x-56*x^3+65*x^4-28*x^5+6*x^6+31*x^2)/(x-1)/(x^2+x-1)/(2*x^4-6*x^3+9*x^2-3*x+1)$  lgdogf]  
A192255 6.57566 [ $-x*(x^3-5*x^2+3*x-4)/(x-1)/(x^2+x-1)^3$  ogf]  
A192255 9.58085 [ $-(13+12*x+30*x^3-27*x^4+4*x^5-37*x^2)/(x-1)/(x^2+x-1)/(x^3-5*x^2+3*x-4)$  lgdogf]  
A192256 4.92497 [ $-(2*x^6-16*x^5+43*x^4-36*x^3+29*x^2-4*x+1)/(x-1)/(x^2+x-1)^4$  ogf]  
A192257 4.90444 [ $x*(x^5-12*x^4+19*x^3-36*x^2+5*x-8)/(x-1)/(x^2+x-1)^4$  ogf]  
A192299 5.69774 [ $-(x^5-3*x^4+3*x^3-7*x^2+3*x-1)/(x-1)/(x^2+x-1)^3$  ogf]  
A192299 6.80240 [ $-(1+2*x^7+10*x+50*x^3-58*x^4+24*x^5-11*x^6-22*x^2)/(x-1)/(x^2+x-1)/(x^5-3*x^4+3*x^3-7*x^2+3*x-1)$  lgdogf]  
A192304 6.92245 [ $(x^3-4*x^2+2*x-1)/(x-1)/(x^2+x-1)^2$  ogf]  
A192304 8.33048 [ $-(1+7*x+15*x^3-13*x^4+2*x^5-14*x^2)/(x-1)/(x^2+x-1)/(x^3-4*x^2+2*x-1)$  lgdogf]  
A192305 10.5342 [ $-( -6*x^4+10*x^3-9*x^2+3*x+1)/(-2*x^5+2*x^4+3*x^3-6*x^2+4*x-1)$  lgdogf]  
A192305 13.2704 [ $-2*(2*x^2-2*x+1)/(x-1)/(x^2+x-1)^2$  ogf]  
A192305 18.6493 [ $-(x^2-x+1)*(6*x^2-4*x-1)/(x-1)/(2*x^2-2*x+1)/(x^2+x-1)$  lgdogf]  
A192305 4.54142 [ $\{(n^2+9*n+20)*a(n+1)+(-5-n)*a(n+2)+(-2*n^2-15*n-27)*a(n+3)+(n^2+7*n+12)*a(n+4), a(0) = 2, a(1) = 2, a(2) = 8, a(3) = 16\}$ , ogf]  
A192306 10.0106 [ $2*x*(x-2)/(x-1)/(x^2+x-1)^2$  ogf]  
A192306 17.5678 [ $-(5+x+4*x^3-11*x^2)/(x-2)/(x-1)/(x^2+x-1)$  lgdogf]  
A192306 9.02186 [ $-( -4*x^3+11*x^2-x-5)/(-x^4+2*x^3+2*x^2-5*x+2)$  lgdogf]  
A192307 11.0854 [ $-(x^2-x+1)*(6*x^2-4*x-1)/(x-1)/(2*x^2-2*x+1)/(x^2+x-1)$  lgdogf]  
A192307 7.95086 [ $-3*(2*x^2-2*x+1)/(x-1)/(x^2+x-1)^2$  ogf]  
A192308 15.0980 [ $-(5+x+4*x^3-11*x^2)/(x-2)/(x-1)/(x^2+x-1)$  lgdogf]  
A192308 7.76817 [ $-( -4*x^3+11*x^2-x-5)/(-x^4+2*x^3+2*x^2-5*x+2)$  lgdogf]  
A192308 8.61948 [ $3*x*(x-2)/(x-1)/(x^2+x-1)^2$  ogf]  
A192309 7.20254 [ $(x^3-6*x^2+4*x-2)/(x-1)/(x^2+x-1)^2$  ogf]  
A192309 8.55159 [ $-(2+10*x+25*x^3-19*x^4+2*x^5-23*x^2)/(x-1)/(x^2+x-1)/(x^3-6*x^2+4*x-2)$  lgdogf]  
A192310 10.8600 [ $-( -13-5*x-9*x^3+3*x^4+28*x^2)/(x-1)/(x^2-2*x+5)/(x^2+x-1)$  lgdogf]  
A192310 7.76817 [ $-x*(x^2-2*x+5)/(x-1)/(x^2+x-1)^2$  ogf]  
A192311 7.12252 [ $(2*x^3-6*x^2+2*x-1)/(x-1)/(x^2+x-1)^2$  ogf]  
A192311 8.21957 [ $-(1+11*x+20*x^3-20*x^4+4*x^5-19*x^2)/(x-1)/(x^2+x-1)/$

$(2*x^3-6*x^2+2*x-1)$  lgdogf  
A192312 10.8003  $-(-11-7*x-6*x^3+6*x^4+23*x^2)/(x-1)/(2*x^2-x+4)/(x^2+x-1)$  lgdogf  
A192312 6.95357  $[-(-6*x^4+6*x^3-23*x^2+7*x+11)/(-2*x^5+x^4-4*x^2+9*x-4)]$  lgdogf  
A192312 7.72619  $[ -x*(2*x^2-x+4)/(x-1)/(x^2+x-1)^2$  ogf]  
A192313 4.43523  $[ (x+1)*(x^2-3*x+1)/(x^4+6*x^3+x^2-4*x+1)$  ogf]  
A192328 7.16704  $[ -3*(9*x^4+40*x^3+102*x^2+40*x+9)/(x+1)^2/(x-1)^3$  ogf]  
A192328 8.65289  $-(49+289*x+382*x^3+89*x^4+9*x^5+382*x^2)/(x-1)/(x+1)/$   
 $(9*x^4+40*x^3+102*x^2+40*x+9)$  lgdogf  
A192333 9.24340  $[ x*(7*x^4+2*x^3+2*x^2+2*x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A192337 4.71930  $[ -x*(x^2+x-1)/(x^4+6*x^3+x^2-4*x+1)$  ogf]  
A192338 3.81677  $[ (2*x^3-3*x^2-2*x+1)/(4*x^2+2*x-1)/(x^2+2*x-1)$  ogf]  
A192339 3.98403  $[ -x*(2*x-1)*(x+1)/(4*x^2+2*x-1)/(x^2+2*x-1)$  ogf]  
A192344 10.0070  $[ -(5*x^2+2*x-1)/(9*x^4+6*x^3-10*x^2-2*x+1)$  ogf]  
A192344 9.33402  $-2*x*(5-6*x^2+42*x^3+45*x^4-14*x)/(5*x^2+2*x-1)/$   
 $(9*x^4+6*x^3-10*x^2-2*x+1)$  lgdogf  
A192345 10.8603  $[ x*(3*x^2+1)/(9*x^4+6*x^3-10*x^2-2*x+1)$  ogf]  
A192345 9.30273  $-2*(-1-13*x+18*x^3+9*x^4+27*x^5+12*x^2)/(3*x^2+1)/$   
 $(9*x^4+6*x^3-10*x^2-2*x+1)$  lgdogf  
A192346 10.1741  $[ -(x+1)*(3*x-1)/(x^4+2*x^3-6*x^2-2*x+1)$  ogf]  
A192346 10.1783  $-2*x*(3+2*x^2+6*x^3+3*x^4-6*x)/(3*x-1)/(x+1)/$   
 $(x^4+2*x^3-6*x^2-2*x+1)$  lgdogf  
A192347 10.2755  $[ x*(x^2+1)/(x^4+2*x^3-6*x^2-2*x+1)$  ogf]  
A192347 10.2834  $-2*(x-1)*(x^4+2*x^3+4*x^2+8*x+1)/(1+x^2)/(x^4+2*x^3-6*x^2-2*x+1)$   
lgdogf  
A192348 10.2254  $-4*x*(2+10*x^3+8*x^4-5*x)/(4*x^2+2*x-1)/(4*x^4+4*x^3-8*x^2-2*x$   
 $+1)$  lgdogf  
A192348 9.77430  $[ -(4*x^2+2*x-1)/(4*x^4+4*x^3-8*x^2-2*x+1)$  ogf]  
A192349 10.6765  $[ x*(2*x^2+1)/(4*x^4+4*x^3-8*x^2-2*x+1)$  ogf]  
A192349 9.50279  $-2*(-1-10*x+8*x^3+4*x^4+8*x^5+8*x^2)/(2*x^2+1)/$   
 $(4*x^4+4*x^3-8*x^2-2*x+1)$  lgdogf  
A192350 8.83017  $-4*x*(3-8*x^2+36*x^3+48*x^4-9*x)/(6*x^2+2*x-1)/$   
 $(16*x^4+8*x^3-12*x^2-2*x+1)$  lgdogf  
A192350 9.33928  $[ -(6*x^2+2*x-1)/(16*x^4+8*x^3-12*x^2-2*x+1)$  ogf]  
A192351 10.1851  $[ x*(4*x^2+1)/(16*x^4+8*x^3-12*x^2-2*x+1)$  ogf]  
A192351 8.62495  $-2*(-1-16*x+32*x^3+16*x^4+64*x^5+16*x^2)/(4*x^2+1)/$   
 $(16*x^4+8*x^3-12*x^2-2*x+1)$  lgdogf  
A192352 9.09931  $[ -(x^3-x^2-2*x+1)/(x^2-3*x+1)/(x^2-x-1)$  ogf]  
A192352 9.58949  $-x*(4+16*x^2-5*x^3-2*x^4+x^5-13*x)/(x^2-3*x+1)/(x^2-x-1)/(x^3-$   
 $x^2-2*x+1)$  lgdogf  
A192353 8.35731  $-x*(-10-16*x^2-61*x^3-40*x^4+5*x^5+37*x)/(x^2+3*x+1)/(5*x^2-5*x$   
 $+1)/(x^3-4*x^2-2*x+1)$  lgdogf  
A192353 9.12694  $[ (x^3-4*x^2-2*x+1)/(x^2+3*x+1)/(5*x^2-5*x+1)$  ogf]  
A192354 4.73906  $[ \{-a(n+4)+2*a(n+3)+9*a(n+2)-10*a(n+1)-5*a(n), a(0) = 0, a(1) =$   
 $1, a(2) = 1, a(3) = 14\},$  ogf]  
A192354 9.15791  $[ x*(3*x^2-x+1)/(x^2+3*x+1)/(5*x^2-5*x+1)$  ogf]  
A192354 9.67986  $-(-1-24*x+15*x^4+30*x^5+45*x^2)/(x^2+3*x+1)/(3*x^2-x+1)/$   
 $(5*x^2-5*x+1)$  lgdogf  
A192355 10.0037  $[ (2*x^3-5*x^2-2*x+1)/(x-1)/(3*x+1)/(4*x-1)$  ogf]  
A192355 10.3013  $2*x*(6+20*x^2+19*x^3-21*x)/(x-1)/(3*x+1)/(4*x-1)/$   
 $(2*x^3-5*x^2-2*x+1)$  lgdogf  
A192355 5.34035  $[ \{-a(n+4)+2*a(n+3)+11*a(n+2)-12*a(n+1), a(0) = 1, a(1) = 0, a(2)$   
 $= 6, a(3) = 2\},$  ogf]  
A192356 4.87637  $[ \{a(n+4)-2*a(n+3)-11*a(n+2)+12*a(n+1), a(0) = 0, a(1) = 1, a(2)$   
 $= 1, a(3) = 15\},$  ogf]  
A192356 9.75273  $[ x*(2*x^2-x+1)/(x-1)/(3*x+1)/(4*x-1)$  ogf]  
A192356 9.90425  $-(-1-26*x-24*x^3+24*x^4+51*x^2)/(x-1)/(3*x+1)/(4*x-1)/(2*x^2-x$   
 $+1)$  lgdogf  
A192357 6.98473  $-x*(-20+144*x^2-491*x^3-990*x^4+55*x^5+77*x)/(11*x^2-7*x+1)/$   
 $(1+5*x^2+5*x)/(x^3-9*x^2-2*x+1)$  lgdogf  
A192357 8.06430  $[ (x^3-9*x^2-2*x+1)/(5*x^2+5*x+1)/(11*x^2-7*x+1)$  ogf]  
A192358 4.51502  $[ \{-a(n+4)+2*a(n+3)+19*a(n+2)-20*a(n+1)-55*a(n), a(0) = 0, a(1) =$

$1, a(2) = 1, a(3) = 29\}$ , ogf]  
A192358 8.06430  $-(-1-54*x+180*x^3-5*x^4+880*x^5+95*x^2)/(1+5*x^2+5*x)/(11*x^2-7*x+1)/(8*x^2-x+1)$  lgdogf  
A192358 8.61418  $[x*(8*x^2-x+1)/(5*x^2+5*x+1)/(11*x^2-7*x+1)$  ogf]  
A192370 12.3226  $[-(320*x-44)/(160*x^2-44*x+1)$  lgdogf]  
A192370 17.9844  $[20/(40*x-1)/(4*x-1)$  ogf]  
A192370 7.56161  $[{-a(n+2)+44*a(n+1)-160*a(n), a(0) = 20, a(1) = 880\}$ , ogf]  
A192373 10.2397  $[-(x+1)*(3*x-1)/(9*x^4+6*x^3-10*x^2-2*x+1)$  ogf]  
A192373 9.55416  $-2*x*(7-6*x^2+36*x^3+27*x^4-16*x)/(3*x-1)/(x+1)/(9*x^4+6*x^3-10*x^2-2*x+1)$  lgdogf  
A192374 12.3986  $[2*x/(9*x^4+6*x^3-10*x^2-2*x+1)$  ogf]  
A192374 13.1974  $-2*(x+1)*(18*x^2-9*x-1)/(9*x^4+6*x^3-10*x^2-2*x+1)$  lgdogf  
A192374 7.97056  $[-(36*x^3-18*x^2+20*x+2)/(-9*x^4-6*x^3+10*x^2+2*x-1)$  lgdogf]  
A192375 12.9399  $-2*(x+1)*(18*x^2-9*x-1)/(9*x^4+6*x^3-10*x^2-2*x+1)$  lgdogf  
A192375 13.1330  $[x/(9*x^4+6*x^3-10*x^2-2*x+1)$  ogf]  
A192375 7.81729  $[-(36*x^3-18*x^2+20*x+2)/(-9*x^4-6*x^3+10*x^2+2*x-1)$  lgdogf]  
A192376 10.1521  $[(x-1)^2/(x^2-4*x+1)/(x+1)^2$  ogf]  
A192376 10.1521  $[-(2*x^3-8*x^2+14*x)/(x^4-4*x^3+4*x-1)$  lgdogf]  
A192376 17.2679  $-2*x*(7+x^2-4*x)/(x-1)/(x+1)/(x^2-4*x+1)$  lgdogf  
A192376 3.55580  $[{(n+4)*a(n+1)+(-3*n-13)*a(n+2)+(-3*n-8)*a(n+3)+(n+3)*a(n+4), a(0) = 1, a(1) = 0, a(2) = 7, a(3) = 16\}$ , ogf]  
A192377 10.7768  $[-(4*x^2+10*x+2)/(-x^3+3*x^2+3*x-1)$  lgdogf]  
A192377 13.2168  $[2*x/(x^2-4*x+1)/(x+1)^2$  ogf]  
A192377 19.7348  $-2*(-1-5*x+2*x^2)/(x+1)/(x^2-4*x+1)$  lgdogf  
A192377 3.55580  $[{(-3-n)*a(n+4)+(8+3*n)*a(n+3)+(13+3*n)*a(n+2)+(-n-4)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 4, a(3) = 20\}$ , ogf]  
A192378 10.4760  $[-(4*x^2+10*x+2)/(-x^3+3*x^2+3*x-1)$  lgdogf]  
A192378 13.8968  $[x/(x^2-4*x+1)/(x+1)^2$  ogf]  
A192378 19.1762  $-2*(-1-5*x+2*x^2)/(x+1)/(x^2-4*x+1)$  lgdogf  
A192378 3.45656  $[{(-3-n)*a(n+4)+(8+3*n)*a(n+3)+(13+3*n)*a(n+2)+(-n-4)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 10\}$ , ogf]  
A192379 10.2325  $-2*x*(5+2*x^2+4*x^3+x^4-8*x)/(x^2+2*x-1)/(x^4+2*x^3-6*x^2-2*x+1)$  lgdogf  
A192379 9.63264  $[-(x^2+2*x-1)/(x^4+2*x^3-6*x^2-2*x+1)$  ogf]  
A192380 13.9918  $[2*x/(x^4+2*x^3-6*x^2-2*x+1)$  ogf]  
A192380 15.5676  $-2*(-1-6*x+2*x^3+3*x^2)/(x^4+2*x^3-6*x^2-2*x+1)$  lgdogf  
A192380 9.15511  $[-(4*x^3+6*x^2-12*x-2)/(x^4+2*x^3-6*x^2-2*x+1)$  lgdogf]  
A192381 14.6631  $[x/(x^4+2*x^3-6*x^2-2*x+1)$  ogf]  
A192381 15.0767  $-2*(-1-6*x+2*x^3+3*x^2)/(x^4+2*x^3-6*x^2-2*x+1)$  lgdogf  
A192381 8.87028  $[-(4*x^3+6*x^2-12*x-2)/(x^4+2*x^3-6*x^2-2*x+1)$  lgdogf]  
A192382 13.6638  $[-(16*x-2)/(-8*x^2-2*x+1)$  lgdogf]  
A192382 18.0953  $[-2*x/(2*x+1)/(4*x-1)$  ogf]  
A192382 25.3796  $-2*(1+8*x)/(2*x+1)/(4*x-1)$  lgdogf  
A192382 8.26577  $[{-a(n+2)+2*a(n+1)+8*a(n), a(0) = 0, a(1) = 2\}$ , ogf]  
A192383 10.1048  $[-(2*x^2+2*x-1)/(4*x^4+4*x^3-8*x^2-2*x+1)$  ogf]  
A192383 10.7415  $-4*x*(3+8*x^3+4*x^4-6*x)/(2*x^2+2*x-1)/(4*x^4+4*x^3-8*x^2-2*x+1)$  lgdogf  
A192384 12.3289  $[2*x/(4*x^4+4*x^3-8*x^2-2*x+1)$  ogf]  
A192384 13.1383  $-2*(-1-8*x+8*x^3+6*x^2)/(4*x^4+4*x^3-8*x^2-2*x+1)$  lgdogf  
A192384 7.87269  $[-(16*x^3-12*x^2+16*x+2)/(-4*x^4-4*x^3+8*x^2+2*x-1)$  lgdogf]  
A192385 12.7441  $-2*(-1-8*x+8*x^3+6*x^2)/(4*x^4+4*x^3-8*x^2-2*x+1)$  lgdogf  
A192385 12.9412  $[x/(4*x^4+4*x^3-8*x^2-2*x+1)$  ogf]  
A192385 7.63999  $[-(16*x^3-12*x^2+16*x+2)/(-4*x^4-4*x^3+8*x^2+2*x-1)$  lgdogf]  
A192386 9.04766  $-8*x*(2-4*x^2+16*x^3+16*x^4-5*x)/(4*x^2+2*x-1)/(16*x^4+8*x^3-12*x^2-2*x+1)$  lgdogf  
A192386 9.56597  $[-(4*x^2+2*x-1)/(16*x^4+8*x^3-12*x^2-2*x+1)$  ogf]  
A192387 12.6414  $[2*x/(16*x^4+8*x^3-12*x^2-2*x+1)$  ogf]  
A192387 12.6967  $-2*(2*x-1)*(16*x^2+14*x+1)/(16*x^4+8*x^3-12*x^2-2*x+1)$  lgdogf  
A192387 8.17974  $[-(64*x^3+24*x^2-24*x-2)/(16*x^4+8*x^3-12*x^2-2*x+1)$  lgdogf]  
A192388 12.2794  $-2*(2*x-1)*(16*x^2+14*x+1)/(16*x^4+8*x^3-12*x^2-2*x+1)$  lgdogf  
A192388 13.1911  $[x/(16*x^4+8*x^3-12*x^2-2*x+1)$  ogf]

A192388 7.91466  $[-(64x^3+24x^2-24x-2)/(16x^4+8x^3-12x^2-2x+1) \text{ lgdogf}]$   
A192389 14.8019  $-3*(2x^2-1)*(1+x^2)/(x-1)/(2x^2-x+1)/(-1+x^2+x) \text{ lgdogf}$   
A192389 8.76139  $[-(-6x^4-3x^2+3)/(-2x^5+x^4+3x^3-4x^2+3x-1) \text{ lgdogf}]$   
A192389 9.08589  $[x*(2x^2-x+1)/(x^2+x-1)/(x-1)^3 \text{ ogf}]$   
A192395 12.8570  $[-x^3/(2x^2-x+1)/(x^2+x-1) \text{ ogf}]$   
A192395 16.1371  $-(2-4x+8x^3+3x^2)/(2x^2-x+1)/(x^2+x-1) \text{ lgdogf}$   
A192395 8.51778  $[-(-8x^3-3x^2+4x-2)/(-2x^4-x^3+2x^2-2x+1) \text{ lgdogf}]$   
A192398 14.0842  $-2*(17+51x+x^3-9x^2)/(x-1)/(x^3-7x^2+29x+1) \text{ lgdogf}$   
A192398 4.17158  $[{(100n^2+859n+1677)*a(n+1)+(-14n^2+330n+1226)*a(n+2)+(-86n^2-445n-561)*a(n+3), a(0) = 1, a(1) = 34, a(2) = 153}, \text{ ogf}]$   
A192398 9.24385  $[-(x^3-7x^2+29x+1)/(x-1)^5 \text{ ogf}]$   
A192398 9.45883  $[-(-2x^3+18x^2-102x-34)/(-x^4+8x^3-36x^2+28x+1) \text{ lgdogf}]$   
A192415 12.8231  $1/2*(-(1+x)^{1/2}+(2x+1)^{1/2}*(2x^2-x+1)^{1/2})/x^2/(1+x)^{1/2} \text{ revogf}$   
A192415 9.35252  $[-1/2/x^2+1/2/(x+1)^{1/2}*(2x^2-x+1)^{1/2}/x^2*(2x+1)^{1/2} \text{ revogf}]$   
A192417 11.1159  $-(-2-2x+2x^3+5x^4+3x^5-3x^2)/(-2x^2+1-4x+x^4-2x^3+x^6+2x^5) \text{ lgdogf}$   
A192417 6.86529  $[-(3x^5+5x^4+2x^3-3x^2-2x-2)/(x^6+2x^5+x^4-2x^3-2x^2-4x+1) \text{ lgdogf}]$   
A192418 16.8059  $-6*(2+5x+x^2)/(x-1)/(3x^2+8x+1) \text{ lgdogf}$   
A192418 8.23952  $[4*(3x^2+8x+1)/(x-1)^4 \text{ ogf}]$   
A192418 8.86373  $[-(6x^2+30x+12)/(3x^3+5x^2-7x-1) \text{ lgdogf}]$   
A192421 11.0390  $[-(3x^2+2x-2)/(x^4+x^3-3x^2-x+1) \text{ ogf}]$   
A192421 12.1148  $-x*(6-4x^2+9x^3+6x^4-9x)/(3x^2+2x-2)/(x^4+x^3-3x^2-x+1) \text{ lgdogf}$   
A192422 11.3502  $[x*(x^2+1)/(x^4+x^3-3x^2-x+1) \text{ ogf}]$   
A192422 12.3267  $-(-1-8x+4x^3+x^4+2x^5+4x^2)/(x^2+1)/(x^4+x^3-3x^2-x+1) \text{ lgdogf}$   
A192422 7.09388  $[-(-2x^5-x^4-4x^3-4x^2+8x+1)/(-x^6-x^5+2x^4+2x^2+x-1) \text{ lgdogf}]$   
A192423 10.5225  $-x*(4-2x^2+5x^3+4x^4-5x)/(2x-1)/(1+x)/(x^2+2x-1)/(x^2-x-1) \text{ lgdogf}$   
A192423 9.90784  $[-2*(2x-1)*(x+1)/(x^2+2x-1)/(x^2-x-1) \text{ ogf}]$   
A192424 10.0973  $-x*(4-2x^2+5x^3+4x^4-5x)/(2x-1)/(1+x)/(x^2+2x-1)/(x^2-x-1) \text{ lgdogf}$   
A192424 9.51351  $[-(2x-1)*(x+1)/(x^2+2x-1)/(x^2-x-1) \text{ ogf}]$   
A192425 10.4652  $[x*(x^2+1)/(x^2+2x-1)/(x^2-x-1) \text{ ogf}]$   
A192425 10.6355  $-(x-1)*(2x^4+3x^3+7x^2+11x+1)/(x^2+2x-1)/(x^2-x-1)/(x^2+1) \text{ lgdogf}$   
A192426 9.48504  $-x*(10-24x^2+34x^3+40x^4-17x)/(5x^2+2x-2)/(4x^4+2x^3-5x^2-x+1) \text{ lgdogf}$   
A192426 9.90784  $[-(5x^2+2x-2)/(4x^4+2x^3-5x^2-x+1) \text{ ogf}]$   
A192427 10.7792  $[x*(2x^2+1)/(4x^4+2x^3-5x^2-x+1) \text{ ogf}]$   
A192427 9.86348  $-(-1-14x+16x^3+4x^4+16x^5+8x^2)/(2x^2+1)/(4x^4+2x^3-5x^2-x+1) \text{ lgdogf}$   
A192428 7.26961  $-(1+6x-12x^3+99x^4+126x^5+27x^6-23x^2)/(3x^3+7x^2+x-1)/(9x^4+6x^3-10x^2-2x+1) \text{ lgdogf}$   
A192428 8.45987  $[-(3x^3+7x^2+x-1)/(9x^4+6x^3-10x^2-2x+1) \text{ ogf}]$   
A192429 8.24838  $-2*(-2-13x+30x^3+36x^4+27x^5+2x^2)/(3x^2+2x+1)/(9x^4+6x^3-10x^2-2x+1) \text{ lgdogf}$   
A192429 9.04766  $[x*(3x^2+2x+1)/(9x^4+6x^3-10x^2-2x+1) \text{ ogf}]$   
A192430 8.58953  $[-(x^3+5x^2+x-1)/(x^4+2x^3-6x^2-2x+1) \text{ ogf}]$   
A192430 8.64483  $-(1+x)*(x^5+9x^4+10x^3-6x^2+x+1)/(x^3+5x^2+x-1)/(x^4+2x^3-6x^2-2x+1) \text{ lgdogf}$   
A192431 11.9270  $-2*(x-1)*(x^3+4x^2+7x+2)/(1+x)/(x^4+2x^3-6x^2-2x+1) \text{ lgdogf}$   
A192431 6.98644  $[-(-2x^4-6x^3-6x^2+10x+4)/(-x^5-3x^4+4x^3+8x^2+x-1) \text{ lgdogf}]$   
A192431 9.28336  $[x*(x+1)^2/(x^4+2x^3-6x^2-2x+1) \text{ ogf}]$   
A192447 10.2926  $[-2x*(x^2-x+1)/(x^2+1)/(x-1)^3 \text{ ogf}]$   
A192447 16.4346  $-(-2-2x-4x^3+3x^4+7x^2)/(x-1)/(x^2+1)/(x^2-x+1) \text{ lgdogf}$

A192447 20.2388 [[-x^5+x^3+x^2+2] ogf\_with\_Euler\_transform]  
A192447 8.68434 [ -(-3\*x^4+4\*x^3-7\*x^2+2\*x-2)/(-x^5+2\*x^4-3\*x^3+3\*x^2-2\*x+1) lgdogf]  
A192457 4.44712 [{(-4\*n^2-18\*n-18)\*a(n+1)+(4\*n+11)\*a(n+2)-a(n+3), a(0) = 0, a(1) = 2, a(2) = 14}, ogf]  
A192457 8.05062 -1/2\*I\*(3\*I-30\*I\*x+44\*I\*x^2-24\*I\*x^3+3\*(-1+2\*x)^(3/2))/(-1+2\*x)/(4\*x^2-6\*x+3)/x lgdegf  
A192458 4.31442 [{(-4\*n^2-18\*n-18)\*a(n+1)+(4\*n+11)\*a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 7}, ogf]  
A192458 7.75245 -1/2\*I\*(3\*I-30\*I\*x+44\*I\*x^2-24\*I\*x^3+3\*(-1+2\*x)^(3/2))/(-1+2\*x)/(4\*x^2-6\*x+3)/x lgdegf  
A192459 4.43683 [{(4\*n^2+18\*n+18)\*a(n+1)+(-4\*n-11)\*a(n+2)+a(n+3), a(0) = 1, a(1) = 3, a(2) = 17}, ogf]  
A192461 3.37751 [{(n^3+7\*n^2+13\*n+4)\*a(n+1)+(-3\*n^2-19\*n-29)\*a(n+2)+(n+3)\*a(n+3), a(0) = 1, a(1) = 3, a(2) = 21}, ogf]  
A192463 3.69759 [{(-n^3-6\*n^2-10\*n-3)\*a(n+1)+(-n^2-7\*n-11)\*a(n+2)+(n+2)\*a(n+3), a(0) = 0, a(1) = 1, a(2) = 5}, ogf]  
A192464 7.71220 [ -(3\*x^4-7\*x^3-x^2+6\*x-2)/(x-1)/(x^2-3\*x+1)/(x^2+x-1) ogf]  
A192465 7.41545 -(9-58\*x-84\*x^3-128\*x^5+192\*x^6+129\*x^2)/(x-1)/(4\*x-1)/(3\*x-1)/(-1+2\*x)/(1+x)/(8\*x^2-3) lgdogf  
A192465 8.43405 [ -(3\*x-1)\*(8\*x^2-3)/(x-1)/(4\*x-1)/(2\*x-1)/(x+1) ogf]  
A192466 8.37850 -(3-12\*x+68\*x^3-78\*x^4+16\*x^5-3\*x^2)/(x-1)/(4\*x-1)/(-1+2\*x)/(1+x)/(x^2-3\*x+1) lgdogf  
A192466 9.53414 [ -2\*(x^2-3\*x+1)/(x-1)/(4\*x-1)/(2\*x-1)/(x+1) ogf]  
A192467 10.2164 [ -(x^2-3\*x+1)/(x-1)/(4\*x-1)/(2\*x-1)/(x+1) ogf]  
A192467 8.98778 -(3-12\*x+68\*x^3-78\*x^4+16\*x^5-3\*x^2)/(x-1)/(4\*x-1)/(-1+2\*x)/(1+x)/(x^2-3\*x+1) lgdogf  
A192468 6.55675 [ -(81\*x^4-87\*x^3-x^2+20\*x-4)/(x-1)/(9\*x^2-7\*x+1)/(3\*x^2+x-1) ogf]  
A192469 7.84351 -2\*(2-10\*x+102\*x^3-180\*x^4+81\*x^5-4\*x^2)/(x-1)/(3\*x-1)/(9\*x^2-7\*x+1)/(3\*x^2+x-1) lgdogf  
A192469 8.88674 [ -2\*(3\*x-1)\*(x-1)/(9\*x^2-7\*x+1)/(3\*x^2+x-1) ogf]  
A192470 7.65032 -2\*(2-10\*x+102\*x^3-180\*x^4+81\*x^5-4\*x^2)/(x-1)/(3\*x-1)/(9\*x^2-7\*x+1)/(3\*x^2+x-1) lgdogf  
A192470 8.67208 [ -(3\*x-1)\*(x-1)/(9\*x^2-7\*x+1)/(3\*x^2+x-1) ogf]  
A192471 7.41683 [ -(2\*x-1)\*(x^3-3\*x^2-x+2)/(x-1)/(x^2-3\*x+1)/(x^2+x-1) ogf]  
A192472 7.56015 [ -(3\*x^4-8\*x^3-x^2+8\*x-3)/(x-1)/(x^2-3\*x+1)/(x^2+x-1) ogf]  
A192473 8.56062 -(9-26\*x+36\*x^3-16\*x^4-2\*x^5+x^6+4\*x^2)/(x^2-3\*x+1)/(x^2+x-1)/(x^3-x^2-7\*x+4) lgdogf  
A192473 8.73183 [ -(x^3-x^2-7\*x+4)/(x^2-3\*x+1)/(x^2+x-1) ogf]  
A192474 7.63016 [ -(2\*x^4-2\*x^3-9\*x^2+11\*x-3)/(x-1)/(x^2-3\*x+1)/(x^2+x-1) ogf]  
A192475 8.95799 [ -(x^3-3\*x^2-3\*x+2)/(x^2-3\*x+1)/(x^2+x-1) ogf]  
A192475 9.26625 -(5-18\*x+12\*x^3-6\*x^5+x^6+12\*x^2)/(x^2-3\*x+1)/(x^2+x-1)/(x^3-3\*x^2-3\*x+2) lgdogf  
A192479 16.6144 -1/2\*(-1+(1-4\*x^2+4\*x)^(1/2))\*(x-1) revogf  
A192479 8.73060 [(1/2-1/2\*(-4\*x^2+4\*x+1)^(1/2))\*(x-1) revogf]  
A192481 14.6768 -1/2+2\*x-3\*x^2+1/2\*(8\*x^2+1)\*(-1+2\*x)^(1/2) revogf  
A192481 8.46205 [-3\*x^2+2\*x-1/2+1/2\*(32\*x^4-32\*x^3+12\*x^2-4\*x+1)^(1/2) revogf]  
A192482 11.3172 [-x^2-x-1/2+1/2\*(8\*x^2+8\*x+1)^(1/2) revogf]  
A192482 20.9340 -1/2-x-x^2+1/2\*(1+8\*x+8\*x^2)^(1/2) revogf  
A192491 17.4784 -2\*(x+5)\*(2\*x+1)/(x-1)/(2\*x^2+6\*x+1) lgdogf  
A192491 8.80585 [ 24\*(2\*x^2+6\*x+1)/(x-1)^4 ogf]  
A192491 9.73980 [-(4\*x^2+22\*x+10)/(2\*x^3+4\*x^2-5\*x-1) lgdogf]  
A192543 9.64092 [ -x\*(x^10-x^9-x^6-x^3-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A192544 22.7147 -(x-3)/(x-1)/(x-2) lgdogf  
A192544 5.09743 [{-a(n+2)+2\*a(n+1)-a(n), a(0) = 8, a(1) = 12}, ogf]  
A192544 8.81431 [-(x+3)/(-x^2+3\*x-2) lgdogf]  
A192544 9.40193 [ -4\*(x-2)/(x-1)^2 ogf]  
A192616 7.23536 [ -(x^4+x^3-3\*x^2-x+1)/(x^6+x^5-4\*x^4-x^3+4\*x^2+x-1) ogf]  
A192617 7.86606 [ x\*(x^2+x-1)/(x^6+x^5-4\*x^4-x^3+4\*x^2+x-1) ogf]



A192617 8.35118  $-2*x*(-3+2*x^6+7*x^2-9*x^3-5*x^4+4*x^5+3*x)/(x^2+x-1)/(x^6+x^5-4*x^4-x^3+4*x^2+x-1)$  lgdogf  
A192651 10.1963  $[-x^2/(x^6+x^5-4*x^4-x^3+4*x^2+x-1)$  ogf]  
A192651 11.0574  $-(1+8*x-16*x^3+5*x^4+6*x^5-3*x^2)/(4*x^2-1+x-4*x^4-x^3+x^6+x^5)$  lgdogf  
A192727 9.14058  $[-x^4/(x-1)/(x+1)/(2*x^2-1)/(x^2+x-1)$  ogf]  
A192727 9.41343  $-(1+8*x-20*x^3+10*x^4+12*x^5-9*x^2)/(x-1)/(1+x)/(2*x^2-1)/(x^2+x-1)$  lgdogf  
A192735 6.40345  $[(x^2+1)*(2*x^4+4*x^3+2*x^2+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A192736 6.50881  $[(2*x^5+2*x^4+6*x^3+5*x^2+2*x+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A192736 8.14759  $-2*(2+8*x+22*x^3+28*x^4+19*x^5+6*x^6+3*x^7+20*x^2)/(x-1)/(x^2+x+1)/(2*x^5+2*x^4+6*x^3+5*x^2+2*x+1)$  lgdogf  
A192742 13.7814  $[-(4*x^3+3*x^2-6*x-3)/(x^4+x^3-3*x^2-3*x+1)$  ogf]  
A192742 13.7838  $-(15+12*x-3*x^4+6*x^5+4*x^6+6*x^2)/(4*x^3+3*x^2-6*x-3)/(x^4+x^3-3*x^2-3*x+1)$  lgdogf  
A192742 8.42198  $[-(-4*x^6-6*x^5+3*x^4-6*x^2-12*x-15)/(-4*x^7-7*x^6+15*x^5+30*x^4-10*x^3-30*x^2-3*x+3)$  lgdogf]  
A192745 3.74858  $[{(n+3)*a(n+1)+(n+2)*a(n+2)+(-n-4)*a(n+3)+a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 5},$  ogf]  
A192746 14.2665  $[-(x^2-3*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A192746 14.8358  $-(x^2+x+1)*(x^2-7*x+5)/(x-1)/(x^2+x-1)/(x^2-3*x-1)$  lgdogf  
A192746 7.87628  $[-(-x^4+6*x^3+x^2+2*x-5)/(-x^5+3*x^4+3*x^3-7*x^2+x+1)$  lgdogf]  
A192746 8.04386  $[{a(n+3)-2*a(n+2)+a(n), a(0) = 1, a(1) = 5, a(2) = 9},$  ogf]  
A192747 10.0816  $[x*(x^2-3*x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192747 14.5058  $-2*(3-4*x^3+x^4-3*x^2)/(x-1)/(x^2+x-1)/(x^2-3*x-1)$  lgdogf  
A192747 4.04372  $[{(3*n+11)*a(n+1)+3*a(n+2)+(-6*n-19)*a(n+3)+(3*n+8)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 15},$  ogf]  
A192747 7.99953  $[-(-2*x^4+8*x^3+6*x^2-6)/(-x^5+3*x^4+3*x^3-7*x^2+x+1)$  lgdogf]  
A192748 14.0123  $-2*(-2-x+2*x^3+x^4+3*x^2)/(x-1)/(x^2+x+1)/(x^2+x-1)$  lgdogf  
A192748 4.02939  $[{(n+3)*a(n+1)+a(n+2)+(-2*n-5)*a(n+3)+(n+2)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 11},$  ogf]  
A192748 7.55511  $[-(-2*x^4-4*x^3-6*x^2+2*x+4)/(-x^5-x^4+x^3+x^2+x-1)$  lgdogf]  
A192748 9.93549  $[-(x^2+x+1)*x/(x^2+x-1)/(x-1)^2$  ogf]  
A192749 11.4865  $[-x*(3*x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192749 16.3546  $-(-6-2*x+9*x^3+7*x^2)/(x-1)/(3*x+1)/(x^2+x-1)$  lgdogf  
A192749 4.10233  $[{(4*n+13)*a(n+1)+4*a(n+2)+(-8*n-22)*a(n+3)+(4*n+9)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 16},$  ogf]  
A192749 9.33280  $[-(-9*x^3-7*x^2+2*x+6)/(-3*x^4-x^3+6*x^2-x-1)$  lgdogf]  
A192750 13.8189  $[-(x^2-4*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A192750 14.3636  $-(-6-2*x-8*x^3+x^4-x^2)/(x-1)/(x^2+x-1)/(x^2-4*x-1)$  lgdogf  
A192750 7.62919  $[-(-x^4+8*x^3+x^2+2*x-6)/(-x^5+4*x^4+3*x^3-9*x^2+2*x+1)$  lgdogf]  
A192750 7.70949  $[{a(n+3)-2*a(n+2)+a(n), a(0) = 1, a(1) = 6, a(2) = 11},$  ogf]  
A192751 10.2277  $[x*(x^2-4*x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192751 13.8860  $-(-7+x-11*x^3+2*x^4-7*x^2)/(x-1)/(x^2+x-1)/(x^2-4*x-1)$  lgdogf  
A192751 4.12499  $[{(-2*n-7)*a(n+1)-2*a(n+2)+(4*n+12)*a(n+3)+(-2*n-5)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 7, a(3) = 18},$  ogf]  
A192751 7.69715  $[-(-2*x^4+11*x^3+7*x^2-x-7)/(-x^5+4*x^4+3*x^3-9*x^2+2*x+1)$  lgdogf]  
A192752 13.1225  $-(-7-4*x-10*x^3+2*x^4+x^2)/(x-1)/(2*x^2-5*x-1)/(x^2+x-1)$  lgdogf  
A192752 13.8860  $[-(2*x^2-5*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A192752 7.50977  $[-(-2*x^4+10*x^3-x^2+4*x-7)/(-2*x^5+5*x^4+5*x^3-12*x^2+3*x+1)$  lgdogf]  
A192752 7.74692  $[{a(n+3)-2*a(n+2)+a(n), a(0) = 1, a(1) = 7, a(2) = 12},$  ogf]  
A192753 10.2764  $[x*(2*x^2-5*x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192753 13.9531  $-(-8-13*x^3+4*x^4-7*x^2)/(x-1)/(2*x^2-5*x-1)/(x^2+x-1)$  lgdogf  
A192753 4.09934  $[{(4*n+15)*a(n+1)+4*a(n+2)+(-8*n-26)*a(n+3)+(4*n+11)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 8, a(3) = 20},$  ogf]  
A192753 7.98063  $[-(-4*x^4+13*x^3+7*x^2-8)/(-2*x^5+5*x^4+5*x^3-12*x^2+3*x+1)$  lgdogf]  
A192754 10.2319  $[-(-8*x^3-3*x^2+6)/(-4*x^4-x^3+8*x^2-2*x-1)$  lgdogf]  
A192754 17.2805  $[(4*x+1)/(x-1)/(x^2+x-1)$  ogf]

A192754 18.6168  $-( -6+8*x^3+3*x^2)/(x-1)/(1+4*x)/(x^2+x-1)$  lgdogf  
A192754 8.18552  $[ \{a(n+3)-2*a(n+2)+a(n), a(0) = 1, a(1) = 6, a(2) = 12\}, ogf]$   
A192755 10.9046  $[ -x*(4*x+1)/(x^2+x-1)/(x-1)^2 ogf]$   
A192755 15.1787  $-( -7-3*x+12*x^3+8*x^2)/(x-1)/(1+4*x)/(x^2+x-1)$  lgdogf  
A192755 3.85216  $[ \{(-5*n-16)*a(n+1)-5*a(n+2)+(10*n+27)*a(n+3)+(-5*n-11)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 7, a(3) = 19\}, ogf]$   
A192755 8.75059  $[ -(12*x^3+8*x^2-3*x-7)/(4*x^4+x^3-8*x^2+2*x+1)$  lgdogf]  
A192756 12.6949  $-2*( -3-2*x+5*x^3+x^4+4*x^2)/(x-1)/(x^2+3*x+1)/(x^2+x-1)$  lgdogf  
A192756 3.93777  $[ \{(n+3)*a(n+1)+a(n+2)+(-2*n-5)*a(n+3)+(n+2)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 17\}, ogf]$   
A192756 7.30720  $[ -(2*x^4+10*x^3+8*x^2-4*x-6)/(x^5+3*x^4-x^3-5*x^2+x+1)$  lgdogf]  
A192756 9.70956  $[ -x*(x^2+3*x+1)/(x^2+x-1)/(x-1)^2 ogf]$   
A192758 11.7799  $-( -2-2*x-3*x^3+7*x^4+7*x^5+x^2)/(x-1)/(1+x)/(x^2+1)/(x^2+x-1)$  lgdogf  
A192758 12.7966  $[ -x/(x+1)/(x^2+1)/(x^2+x-1)/(x-1)^2 ogf]$   
A192759 10.3618  $-( -2-2*x+x^3-4*x^4+8*x^5+8*x^6+x^2)/(x-1)/(x^2+x-1)/(x^4+x^3+x^2+x+1)$  lgdogf  
A192759 12.7332  $[ -x/(x^2+x-1)/(x^4+x^3+x^2+x+1)/(x-1)^2 ogf]$   
A192760 10.1124  $[ x*(x^2-x-1)/(x^2+x-1)/(x-1)^2 ogf]$   
A192760 15.8142  $-2*(x-2)*(x^3+x^2-1)/(x-1)/(x^2+x-1)/(x^2-x-1)$  lgdogf  
A192760 4.12405  $[ \{(-n-5)*a(n+1)-a(n+2)+(2*n+9)*a(n+3)+(-n-4)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 9\}, ogf]$   
A192760 7.68964  $[ -(2*x^4-2*x^3-4*x^2-2*x+4)/(x^5-x^4-3*x^3+3*x^2+x-1)$  lgdogf]  
A192761 10.2597  $[ x*(2*x^2-2*x-1)/(x^2+x-1)/(x-1)^2 ogf]$   
A192761 13.1822  $-(5-3*x-4*x^3+4*x^4-4*x^2)/(x-1)/(2*x^2-2*x-1)/(x^2+x-1)$  lgdogf  
A192761 4.13788  $[ \{(-n-6)*a(n+1)-a(n+2)+(2*n+11)*a(n+3)+(-n-5)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 11\}, ogf]$   
A192761 8.14083  $[ -( -4*x^4+4*x^3+4*x^2+3*x-5)/( -2*x^5+2*x^4+5*x^3-6*x^2+1)$  lgdogf]  
A192762 12.1985  $-2*(3-2*x-3*x^3+3*x^4-2*x^2)/(x-1)/(3*x^2-3*x-1)/(x^2+x-1)$  lgdogf  
A192762 3.96785  $[ \{(-n-7)*a(n+1)-a(n+2)+(2*n+13)*a(n+3)+(-n-6)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 13\}, ogf]$   
A192762 7.48105  $[ -( -6*x^4+6*x^3+4*x^2+4*x-6)/( -3*x^5+3*x^4+7*x^3-9*x^2+x+1)$  lgdogf]  
A192762 9.83810  $[ x*(3*x^2-3*x-1)/(x^2+x-1)/(x-1)^2 ogf]$   
A192772 6.86798  $[ -(x^2+2*x-1)*(x^2-x-1)/(x^6+x^5-5*x^4-x^3+5*x^2+x-1)$  ogf]  
A192773 7.60493  $[ x*(x^2+x-1)/(x^6+x^5-5*x^4-x^3+5*x^2+x-1)$  ogf]  
A192773 7.97662  $-x*( -8+18*x^2-21*x^3-12*x^4+8*x^5+7*x+4*x^6)/(x^2+x-1)/(x^6+x^5-5*x^4-x^3+5*x^2+x-1)$  lgdogf  
A192774 10.3099  $-(1+10*x-20*x^3+5*x^4+6*x^5-3*x^2)/(x^6+x^5-5*x^4-x^3+5*x^2+x-1)$  lgdogf  
A192774 9.66138  $[ -x^2/(x^6+x^5-5*x^4-x^3+5*x^2+x-1)$  ogf]  
A192777 6.80240  $[ -(x^4+x^3-5*x^2-x+1)/(x^2-x-1)/(x^4+2*x^3-3*x^2-2*x+1)$  ogf]  
A192778 7.52913  $-2*x*( -5+11*x^2-12*x^3-7*x^4+4*x^5+4*x+2*x^6)/(x^2+x-1)/(x^2-x-1)/(x^4+2*x^3-3*x^2-2*x+1)$  lgdogf  
A192778 7.60480  $[ x*(x^2+x-1)/(x^2-x-1)/(x^4+2*x^3-3*x^2-2*x+1)$  ogf]  
A192779 10.4008  $[ -x^2/(x^2-x-1)/(x^4+2*x^3-3*x^2-2*x+1)$  ogf]  
A192779 10.4537  $-(1+12*x-24*x^3+5*x^4+6*x^5-3*x^2)/(x^2-x-1)/(x^4+2*x^3-3*x^2-2*x+1)$  lgdogf  
A192780 7.21631  $[ -(x-1)*(x+1)*(x^2+x-1)/(x^6+x^5-3*x^4-x^3+3*x^2+x-1)$  ogf]  
A192781 8.45549  $[ x*(x^2+x-1)/(x^6+x^5-3*x^4-x^3+3*x^2+x-1)$  ogf]  
A192781 9.31715  $-x*(x-1)*(4*x^5+12*x^4+4*x^3-11*x^2-x+4)/(x^2+x-1)/(x^6+x^5-3*x^4-x^3+3*x^2+x-1)$  lgdogf  
A192782 10.8206  $[ -x^2/(x^6+x^5-3*x^4-x^3+3*x^2+x-1)$  ogf]  
A192782 11.7383  $-(1+6*x-12*x^3+5*x^4+6*x^5-3*x^2)/(x^6+x^5-3*x^4-x^3+3*x^2+x-1)$  lgdogf  
A192790 15.3490  $-4*(5+17*x+5*x^2)/(x-1)/(10*x^2+16*x+1)$  lgdogf  
A192790 8.62276  $[ 4*(10*x^2+16*x+1)/(x-1)^4 ogf]$   
A192790 8.87270  $[ -(20*x^2+68*x+20)/(10*x^3+6*x^2-15*x-1)$  lgdogf]  
A192791 15.3054  $-2*(7-5*x+4*x^2)/(x-1)/(4*x^2-6*x+5)$  lgdogf

A192791 7.84165 [  $8*(4*x^2-6*x+5)/(x-1)^4$  ogf]  
A192791 8.30293 [  $-(-8*x^2+10*x-14)/(-4*x^3+10*x^2-11*x+5)$  lgdogf]  
A192793 10.4266 [  $-(-6*x^2-10)/(-3*x^3+5*x^2-5*x+3)$  lgdogf]  
A192793 19.4506  $-2*(5+3*x^2)/(x-1)/(3*x^2-2*x+3)$  lgdogf  
A192793 8.59492 [  $36*(3*x^2-2*x+3)/(x-1)^4$  ogf]  
A192796 11.5641 [  $-(15*x+33)/(5*x^2+2*x-7)$  lgdogf]  
A192796 22.7200  $-3*(11+5*x)/(5*x+7)/(x-1)$  lgdogf  
A192796 3.73035 [  $\{(14+7*n)*a(n+3)+(-35-2*n)*a(n+2)+(-15-5*n)*a(n+1), a(0) = 0, a(1) = 28, a(2) = 132\}$ , ogf]  
A192796 8.62991 [  $4*x*(5*x+7)/(x-1)^4$  ogf]  
A192797 11.9793  $-(3+6*x+2*x^3+5*x^4+2*x^5+6*x^2)/(x-1)/(1+x)/(x^4+x^3-x^2+x+1)$  lgdogf  
A192797 7.50067 [  $4*(x^4+x^3-x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A192798 7.17141  $-2*x*(1-3*x^6+2*x^7-5*x^2+4*x^3+4*x^4-7*x^5+x^8+x)/(x-1)/(1+x)/(x^2+x-1)/(x^6+x^5-3*x^4+3*x^2+x-1)$  lgdogf  
A192798 7.66976 [  $-(x-1)*(x+1)*(x^2+x-1)/(x^6+x^5-3*x^4+3*x^2+x-1)$  ogf]  
A192799 8.71969 [  $x*(x^2+x-1)/(x^6+x^5-3*x^4+3*x^2+x-1)$  ogf]  
A192799 9.20134  $-2*x*(x-1)*(2*x^5+6*x^4+2*x^3-5*x^2+x+2)/(x^2+x-1)/(x^6+x^5-3*x^4+3*x^2+x-1)$  lgdogf  
A192800 12.3911 [  $-x^2/(x^6+x^5-3*x^4+3*x^2+x-1)$  ogf]  
A192800 13.1944  $-(1+6*x-12*x^3+5*x^4+6*x^5)/(x^6+x^5-3*x^4+3*x^2+x-1)$  lgdogf  
A192800 7.28139 [  $-(-6*x^5-5*x^4+12*x^3-6*x-1)/(-x^6-x^5+3*x^4-3*x^2-x+1)$  lgdogf]  
A192801 10.2755  $-(x-1)*(55*x^3-55*x^2+18*x-2)/(5*x^2-5*x+1)/(11*x^3-15*x^2+7*x-1)$  lgdogf  
A192801 10.8086 [  $-(5*x^2-5*x+1)/(11*x^3-15*x^2+7*x-1)$  ogf]  
A192801 5.97318 [  $\{a(n+3)-7*a(n+2)+15*a(n+1)-11*a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A192802 10.8023 [  $x*(3*x-1)/(11*x^3-15*x^2+7*x-1)$  ogf]  
A192802 11.2086  $-2*(-2+15*x+33*x^3-39*x^2)/(3*x-1)/(11*x^3-15*x^2+7*x-1)$  lgdogf  
A192802 5.64016 [  $\{a(n+3)-7*a(n+2)+15*a(n+1)-11*a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A192802 7.32572 [  $-(-66*x^3+78*x^2-30*x+4)/(-33*x^4+56*x^3-36*x^2+10*x-1)$  lgdogf]  
A192803 10.1576 [  $-(-33*x^2+30*x-7)/(-11*x^3+15*x^2-7*x+1)$  lgdogf]  
A192803 16.0632 [  $-x^2/(11*x^3-15*x^2+7*x-1)$  ogf]  
A192803 18.0053  $-(7-30*x+33*x^2)/(11*x^3-15*x^2+7*x-1)$  lgdogf  
A192803 6.16712 [  $\{a(n+3)-7*a(n+2)+15*a(n+1)-11*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A192804 11.5019  $-(1-2*x-4*x^3+3*x^4+2*x^5+2*x^2)/(x-1)/(x^2+x-1)/(x^3+x^2+x-1)$  lgdogf  
A192804 13.7256 [  $-(x^2+x-1)/(x^3+x^2+x-1)/(x-1)$  ogf]  
A192805 10.3375 [  $-(2*x-1)*(x+1)/(x-1)/(x^3+2*x^2+x-1)$  ogf]  
A192805 11.1000  $-(1-2*x-2*x^3+5*x^4+4*x^5)/(x-1)/(-1+2*x)/(1+x)/(x^3+2*x^2+x-1)$  lgdogf  
A192806 11.1310  $-(1-6*x-12*x^3+2*x^4+19*x^2)/(2*x^2-6*x+1)/(x^3-5*x^2+7*x-1)$  lgdogf  
A192806 11.1541 [  $-(2*x^2-6*x+1)/(x^3-5*x^2+7*x-1)$  ogf]  
A192806 6.07501 [  $\{a(n+3)-7*a(n+2)+5*a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A192806 6.67060 [  $-(2*x^4-12*x^3+19*x^2-6*x+1)/(2*x^5-16*x^4+45*x^3-49*x^2+13*x-1)$  lgdogf]  
A192807 10.9542 [  $x*(x-1)/(x^3-5*x^2+7*x-1)$  ogf]  
A192807 13.6693  $-2*(-3+5*x+x^3-4*x^2)/(x-1)/(x^3-5*x^2+7*x-1)$  lgdogf  
A192807 5.62514 [  $\{a(n+3)-7*a(n+2)+5*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A192807 7.61451 [  $-(2*x^3-8*x^2+10*x-6)/(x^4-6*x^3+12*x^2-8*x+1)$  lgdogf]  
A192808 10.0085  $-2*(-1+2*x)*(8*x^3-16*x^2+6*x-1)/(x-1)/(4*x-1)/(8*x^3-12*x^2+7*x-1)$  lgdogf  
A192808 11.0207 [  $-(4*x-1)*(x-1)/(8*x^3-12*x^2+7*x-1)$  ogf]  
A192808 6.04673 [  $\{a(n+3)-7*a(n+2)+12*a(n+1)-8*a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A192808 6.50744 [  $-(32*x^4-80*x^3+56*x^2-16*x+2)/$

$(32x^5 - 88x^4 + 96x^3 - 51x^2 + 12x - 1)$  lgdogf]  
A192809 14.3703 [  $-2x^2 / (8x^3 - 12x^2 + 7x - 1)$  ogf]  
A192809 17.6940  $-(7 - 24x + 24x^2) / (8x^3 - 12x^2 + 7x - 1)$  lgdogf  
A192809 5.95526 [  $\{a(n+3) - 7a(n+2) + 12a(n+1) - 8a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A192809 9.86618 [  $-(-24x^2 + 24x - 7) / (-8x^3 + 12x^2 - 7x + 1)$  lgdogf]  
A192810 11.6711 [  $x(2x - 1) / (8x^3 - 12x^2 + 7x - 1)$  ogf]  
A192810 12.3591  $-(-5 + 24x + 32x^3 - 48x^2) / (-1 + 2x) / (8x^3 - 12x^2 + 7x - 1)$  lgdogf  
A192810 6.04397 [  $\{-a(n+3) + 7a(n+2) - 12a(n+1) + 8a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$ , ogf]  
A192810 7.87122 [  $-(-32x^3 + 48x^2 - 24x + 5) / (-16x^4 + 32x^3 - 26x^2 + 9x - 1)$  lgdogf]  
A192811 15.2092 [  $-x^2 / (8x^3 - 12x^2 + 7x - 1)$  ogf]  
A192811 17.0928  $-(7 - 24x + 24x^2) / (8x^3 - 12x^2 + 7x - 1)$  lgdogf  
A192811 5.75485 [  $\{a(n+3) - 7a(n+2) + 12a(n+1) - 8a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A192811 9.53415 [  $-(-24x^2 + 24x - 7) / (-8x^3 + 12x^2 - 7x + 1)$  lgdogf]  
A192812 6.94146 [  $-(x^6 - x^4 + 2x^3 + 4x^2 - 8x + 3) / (x - 1) / (x^3 + x^2 - 1) / (x^3 - x^2 + 2x - 1)$  ogf]  
A192813 7.44292  $-(1 + 2x - 4x^7 + 6x^8 + 9x^4 - 8x^5 + 7x^6 + 2x^9 - 8x^2) / (x^3 + x^2 - 1) / (x^3 - x^2 + 2x - 1) / (x^4 + 2x^3 - x^2 + x - 1)$  lgdogf  
A192813 9.13875 [  $-x(x^4 + 2x^3 - x^2 + x - 1) / (x^3 + x^2 - 1) / (x^3 - x^2 + 2x - 1)$  ogf]  
A192814 10.4198  $-(-1 + 8x + 56x^3 + 7x^4 - 38x^2) / (x^2 + 4x - 1) / (7x^3 - 3x^2 + 5x - 1)$  lgdogf  
A192814 10.6282 [  $(x^2 + 4x - 1) / (7x^3 - 3x^2 + 5x - 1)$  ogf]  
A192814 5.78859 [  $\{-a(n+3) + 5a(n+2) - 3a(n+1) + 7a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
A192814 6.41903 [  $-(-7x^4 - 56x^3 + 38x^2 - 8x + 1) / (-7x^5 - 25x^4 + 14x^3 - 22x^2 + 9x - 1)$  lgdogf]  
A192815 11.3741 [  $2x(3x - 1) / (7x^3 - 3x^2 + 5x - 1)$  ogf]  
A192815 12.0526  $-2(-1 + 3x + 21x^3 - 15x^2) / (3x - 1) / (7x^3 - 3x^2 + 5x - 1)$  lgdogf  
A192815 5.84074 [  $\{a(n+3) - 5a(n+2) + 3a(n+1) - 7a(n), a(0) = 0, a(1) = 2, a(2) = 4\}$ , ogf]  
A192815 7.62732 [  $-(-42x^3 + 30x^2 - 6x + 2) / (-21x^4 + 16x^3 - 18x^2 + 8x - 1)$  lgdogf]  
A192816 12.0284 [  $x(3x - 1) / (7x^3 - 3x^2 + 5x - 1)$  ogf]  
A192816 12.7541  $-2(-1 + 3x + 21x^3 - 15x^2) / (3x - 1) / (7x^3 - 3x^2 + 5x - 1)$  lgdogf  
A192816 6.17677 [  $\{a(n+3) - 5a(n+2) + 3a(n+1) - 7a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A192816 8.06613 [  $-(-42x^3 + 30x^2 - 6x + 2) / (-21x^4 + 16x^3 - 18x^2 + 8x - 1)$  lgdogf]  
A192827 11.0366 [  $-(-10x - 8) / (-5x^2 + 4x + 1)$  lgdogf]  
A192827 21.9661  $-2(4 + 5x) / (5x + 1) / (x - 1)$  lgdogf  
A192827 4.66199 [  $\{a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = 11, a(1) = 88, a(2) = 231\}$ , ogf]  
A192827 9.83256 [  $-11(5x + 1) / (x - 1)^3$  ogf]  
A192828 6.24948 [  $4(x^5 - 8x^4 + 15x^3 + 22x^2 + 38x + 12) / (x - 1)^6$  ogf]  
A192828 9.28166  $-(110 + 234x + 13x^3 - 11x^4 + x^5 + 133x^2) / (x - 1) / (x^5 - 8x^4 + 15x^3 + 22x^2 + 38x + 12)$  lgdogf  
A192829 6.07353 [  $6(x^7 - 8x^6 + 50x^5 + 44x^4 + 1613x^3 + 2416x^2 + 864x + 60) / (x - 1)^8$  ogf]  
A192830 3.63945 [  $-4x(480x^6 + 576x^5 - 744x^4 + 224x^3 - 4x^2 - 8x + 1) / (4x - 1)^4 / (2x - 1)^5$  ogf]  
A192831 5.79570 [  $-4(80x^4 - 36x^3 - 6x^2 + 6x - 1) / (4x - 1)^3 / (2x - 1)^3$  ogf]  
A192832 11.3204 [  $-(12x^2 + 36x + 12) / (3x^3 + 3x^2 - 5x - 1)$  lgdogf]  
A192832 21.3790  $-12(1 + 3x + x^2) / (x - 1) / (3x^2 + 6x + 1)$  lgdogf  
A192832 3.73630 [  $\{(n+3)a(n+4) + (-2+5n)a(n+3) + (-39-3n)a(n+2) + (-12-3n)a(n+1), a(0) = 0, a(1) = 48, a(2) = 576, a(3) = 2880\}$ , ogf]  
A192832 7.81926 [  $48x(3x^2 + 6x + 1) / (x - 1)^6$  ogf]  
A192833 13.8331  $-2(3 + 9x + 4x^3 + x^4 + x^5 + 6x^2) / (x - 1) / (1 + x) / (x^4 + x^2 + 2x + 2)$  lgdogf  
A192833 8.33647 [  $-(-2x^5 - 2x^4 - 8x^3 - 12x^2 - 18x - 6) / (-x^6 - 2x^3 - x^2 + 2x + 2)$  lgdogf]  
A192833 8.42241 [  $12(x^4 + x^2 + 2x + 2) / (x + 1)^2 / (x - 1)^4$  ogf]

A192834 6.52238 [  $4*x*(12*x^4-2*x^3+25*x^2-4*x-1)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)$  ogf]  
A192836 7.32269 [  $-(7*x^5-14*x^4-14*x^3+24*x^2-x-14)/(x+1)^2/(x-1)^4$  ogf]  
A192838 5.16597 [  $12*(x+2)*(x^3-x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A192838 8.09073  $-(7+16*x+2*x^3+5*x^4+2*x^5+16*x^2)/(x-1)/(x+2)/(1+x)/(x^3-x^2+x+1)$  lgdogf  
A192839 11.8281 [  $-(36*x^2+68*x+16)/(9*x^3+x^2-9*x-1)$  lgdogf]  
A192839 21.1426  $-4*(4+17*x+9*x^2)/(x-1)/(9*x+1)/(1+x)$  lgdogf  
A192839 3.90384 [  $\{(n+3)*a(n+4)+(2+9*n)*a(n+3)+(-69-n)*a(n+2)+(-36-9*n)*a(n+1), a(0) = 0, a(1) = 48, a(2) = 768, a(3) = 4320\}$ , ogf]  
A192839 8.16990 [  $48*x*(x+1)*(9*x+1)/(x-1)^6$  ogf]  
A192845 14.0409  $-2*(-7-10*x+5*x^2)/(x-1)/(5*x^2-10*x-1)$  lgdogf  
A192845 7.90420 [  $-4*(5*x^2-10*x-1)/(x-1)^4$  ogf]  
A192845 8.25291 [  $-(-10*x^2+20*x+14)/(-5*x^3+15*x^2-9*x-1)$  lgdogf]  
A192846 5.69254 [  $2*(x^4+2*x^3+14*x+7)/(x+1)^2/(x-1)^4$  ogf]  
A192846 7.98767  $-2*(14+35*x+4*x^3+4*x^4+x^5+38*x^2)/(x-1)/(1+x)/(x^4+2*x^3+14*x+7)$  lgdogf  
A192847 4.34196 [  $\{(16*n^2-8*n-168)*a(n+1)+(27*n^2+414*n+99)*a(n+2)+(-43*n^2+7*n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 72\}$ , ogf]  
A192847 6.32781 [  $36*x^3*(8*x^3+11*x^2+14*x+2)/(x-1)^8$  ogf]  
A192847 9.49172 [  $-(-40*x^3-90*x^2-120*x-30)/(-8*x^4-3*x^3-3*x^2+12*x+2)$  lgdogf]  
A192848 13.4452 [  $-12*(x^2-4*x-1)/(x-1)^4$  ogf]  
A192848 14.8932 [  $-(-2*x^2+10*x+8)/(-x^3+5*x^2-3*x-1)$  lgdogf]  
A192848 17.6244  $-2*(-4-5*x+x^2)/(x-1)/(x^2-4*x-1)$  lgdogf  
A192848 4.76875 [  $\{(-n-4)*a(n+4)+(-1-3*n)*a(n+3)+(20+5*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 12, a(1) = 96, a(2) = 300, a(3) = 672\}$ , ogf]  
A192849 13.8769 [  $-(-20*x-10)/(-4*x^2+3*x+1)$  lgdogf]  
A192849 27.4817  $-10*(2*x+1)/(4*x+1)/(x-1)$  lgdogf  
A192849 4.59500 [  $\{(-1-n)*a(n+3)+(10-3*n)*a(n+2)+(16+4*n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 24\}$ , ogf]  
A192849 7.70939 [  $24*x^2*(4*x+1)/(x-1)^6$  ogf]  
A192850 6.22957 [  $2*(x^4+2*x^3+46*x+23)/(x+1)^2/(x-1)^4$  ogf]  
A192850 8.37977  $-2*(46+115*x+4*x^3+4*x^4+x^5+118*x^2)/(x-1)/(1+x)/(x^4+2*x^3+46*x+23)$  lgdogf  
A192857 10.6515 [  $-(x+1)*(x^2+13*x-4)/(x^4-x^3-7*x^2-3*x+1)$  ogf]  
A192858 12.5473 [  $2*(x+1)*(x-1)^2/(x^2-3*x+1)^2$  ogf]  
A192858 13.5929 [  $-(2*x^2+2*x^2-4*x+5)/(x^4-3*x^3+3*x-1)$  lgdogf]  
A192858 22.9750  $-(5-4*x+x^3+2*x^2)/(x-1)/(1+x)/(x^2-3*x+1)$  lgdogf  
A192872 6.51620  $-2*x*(-3-17*x^2+9*x^3-3*x^4+x^5+12*x)/(x-1)/(-1+2*x)/(1+x)/(x^2-3*x+1)/(x^2-x+1)$  lgdogf  
A192872 7.69667 [  $(2*x-1)*(x^2-x+1)/(x^2-3*x+1)/(x-1)/(x+1)$  ogf]  
A192873 12.2567 [  $-x*(x^2-x+1)/(x^2-3*x+1)/(x-1)/(x+1)$  ogf]  
A192873 12.2872  $-2*(1+x+5*x^3-3*x^4+x^5-6*x^2)/(x-1)/(1+x)/(x^2-3*x+1)/(x^2-x+1)$  lgdogf  
A192873 7.51591 [  $-(2*x^5-6*x^4+10*x^3-12*x^2+2*x+2)/(x^6-4*x^5+4*x^4-4*x^2+4*x-1)$  lgdogf]  
A192874 6.65633 [  $(x^2-x+1)*(4*x^2+x-1)/(x-1)/(4*x^2+2*x-1)/(x^2-x-1)$  ogf]  
A192875 6.68768  $-(3+10*x+16*x^7-42*x^3-5*x^4+28*x^5-24*x^6-x^2)/(x-1)/(2*x+1)/(x^2-x+1)/(4*x^2+2*x-1)/(x^2-x-1)$  lgdogf  
A192875 7.24836 [  $-x*(2*x+1)*(x^2-x+1)/(x-1)/(4*x^2+2*x-1)/(x^2-x-1)$  ogf]  
A192876 7.27390  $-(-1-4*x+14*x^3-58*x^4-32*x^5+48*x^6+13*x^2)/(x^2-x-1)/(4*x^2+2*x-1)/(4*x^2+x-1)/(x-1)$  lgdogf  
A192876 8.29335 [  $(4*x^2+x-1)/(x-1)/(4*x^2+2*x-1)/(x^2-x-1)$  ogf]  
A192877 8.58553  $-(4+12*x-44*x^3-16*x^4+32*x^5-3*x^2)/(x-1)/(2*x+1)/(4*x^2+2*x-1)/(x^2-x-1)$  lgdogf  
A192877 8.83704 [  $-(2*x+1)*x/(x-1)/(4*x^2+2*x-1)/(x^2-x-1)$  ogf]  
A192878 12.9478 [  $-(2*x^2+6*x-3)/(x+1)/(x^2-3*x+1)$  ogf]  
A192878 7.11548 [  $\{-a(n+3)+2*a(n+2)+2*a(n+1)-a(n), a(0) = 3, a(1) = 0, a(2) = 4\}$ , ogf]  
A192878 8.22727 [  $-(2*x^4+12*x^3-17*x^2+8*x)/(2*x^5+2*x^4-19*x^3-4*x^2+12*x-3)$  lgdogf]

A192878 8.73696  $-x^*(8+12*x^2+2*x^3-17*x)/(1+x)/(x^2-3*x+1)/(2*x^2+6*x-3)$  lgdogf  
A192879 11.2303  $-(-4-4*x+4*x^3-x^2)/(2*x+1)/(1+x)/(x^2-3*x+1)$  lgdogf  
A192879 13.3065  $[(2*x+1)*x/(x+1)/(x^2-3*x+1)$  ogf]  
A192879 6.83305  $[{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 4},$   
ogf]  
A192879 9.97984  $[-(4*x^3-x^2-4*x-4)/(2*x^4-3*x^3-6*x^2+1)$  lgdogf]  
A192880 8.27712  $[-(x+1)*(x^2+3*x-1)/(x^4-2*x^3-7*x^2-2*x+1)$  ogf]  
A192880 8.48218  $-x*(6-8*x^2+5*x^3+8*x^4+x^5-3*x)/(1+x)/(x^2+3*x-1)/$   
 $(x^4-2*x^3-7*x^2-2*x+1)$  lgdogf  
A192882 10.5537  $-(-3-16*x+x^4+2*x^5-11*x^2)/(x^2+x+1)/(x^4-2*x^3-7*x^2-2*x+1)$   
lgdogf  
A192882 8.95114  $[(x^2+x+1)*x/(x^4-2*x^3-7*x^2-2*x+1)$  ogf]  
A192883 12.0714  $-x*(-10-8*x^2+x^3+16*x)/(1+x)/(x^2-3*x+1)/(x^2-4*x+2)$  lgdogf  
A192883 12.3224  $[(x^2-4*x+2)/(x+1)/(x^2-3*x+1)$  ogf]  
A192883 6.77176  $[{-a(n+3)+2*a(n+2)+2*a(n+1)-a(n), a(0) = 2, a(1) = 0, a(2) = 5},$   
ogf]  
A192883 7.99644  $[-(x^4+8*x^3-16*x^2+10*x)/(-x^5+6*x^4-8*x^3-5*x^2+8*x-2)$   
lgdogf]  
A192886 10.2409  $(-4+8*x-8*x^3+21*x^4-17*x^5+8*x^6)/(x-1)/(-1+2*x)/(x^5-$   
 $x^4+2*x^3+3*x^2-1)$  lgdogf  
A192886 6.67489  $[x^4*(x^5-x^4+2*x^3+3*x^2-1)*(x-1)^2/(2*x-1)^3$  ogf]  
A192904 9.55316  $[-(x-1)*(x^2+2*x-1)/(x^4+x^3+3*x-1)$  ogf]  
A192904 9.83758  $-x*(1+x)*(x^2+3*x-2)*(x^2-2*x-1)/(x-1)/(x^2+2*x-1)/$   
 $(x^4+x^3+3*x-1)$  lgdogf  
A192905 11.0048  $-(-3+2*x-4*x^3+x^4+2*x^5-6*x^2)/(x-1)/(1+x)/(x^4+x^3+3*x-1)$   
lgdogf  
A192905 11.5644  $[x*(x-1)*(x+1)/(x^4+x^3+3*x-1)$  ogf]  
A192906 8.38797  $[(x^2+2*x-1)/(x^4+x^3+3*x-1)$  ogf]  
A192906 9.07189  $-(-1+2*x+7*x^4+2*x^5-6*x^2)/(x^2+2*x-1)/(x^4+x^3+3*x-1)$  lgdogf  
A192907 12.0621  $-(-4+6*x^3+3*x^4+3*x^2)/(1+x)/(x^4+x^3+3*x-1)$  lgdogf  
A192907 9.47839  $[-x*(x+1)/(x^4+x^3+3*x-1)$  ogf]  
A192908 4.82159  $[{a(n+4)-4*a(n+3)+4*a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 3,$   
 $a(3) = 7},$  ogf]  
A192908 9.22391  $[(2*x-1)*(x^2-x+1)/(x-1)/(x^2-3*x+1)$  ogf]  
A192908 9.58648  $-(-1+2*x-10*x^3+5*x^4+3*x^2)/(x-1)/(-1+2*x)/(x^2-3*x+1)/(x^2-x$   
 $+1)$  lgdogf  
A192909 7.13495  $-(1+x)*(x^7+x^6-6*x^5+12*x^4-6*x^3+4*x^2-3*x+1)/(x-1)/(x^2-x+1)/$   
 $(x^4+x^3+3*x-1)/(x^2+2*x-1)$  lgdogf  
A192909 7.79369  $[-(x^2-x+1)*(x^2+2*x-1)/(x-1)/(x^4+x^3+3*x-1)$  ogf]  
A192910 10.7495  $[x*(x+1)*(x^2-x+1)/(x-1)/(x^4+x^3+3*x-1)$  ogf]  
A192910 9.98305  $-2*(-2+3*x+x^7+4*x^3+x^4-3*x^2)/(x-1)/(1+x)/(x^2-x+1)/$   
 $(x^4+x^3+3*x-1)$  lgdogf  
A192911 6.66440  $-x^2*(6*x^6+12*x^5-2*x+23*x^2+6*x^3-3*x^4-9)/(1+x)/$   
 $(2*x^2+2*x-1)/(x^6-x^5+2*x^4+5*x^3+4*x^2+x-1)$  lgdogf  
A192911 6.95104  $[(x+1)*(2*x^2+2*x-1)/(x^6-x^5+2*x^4+5*x^3+4*x^2+x-1)$  ogf]  
A192912 6.80181  $[-x*(2*x^3-x^2-x+1)/(x^6-x^5+2*x^4+5*x^3+4*x^2+x-1)$  ogf]  
A192912 7.33833  $-2*x*(x-1)*(3*x^6-x^5+3*x^3-9*x^2-12*x-3)/(2*x^3-x^2-x+1)/(x^6-$   
 $x^5+2*x^4+5*x^3+4*x^2+x-1)$  lgdogf  
A192913 7.16602  $[x^2*(x+1)*(x-2)/(x^6-x^5+2*x^4+5*x^3+4*x^2+x-1)$  ogf]  
A192913 7.17147  $-(-3-14*x+4*x^7-26*x^3+9*x^4-4*x^5-8*x^6-35*x^2)/(x-2)/(1+x)/$   
 $(x^6-x^5+2*x^4+5*x^3+4*x^2+x-1)$  lgdogf  
A192914 11.2827  $-x*(-10-4*x^2+3*x^3+13*x)/(1+x)/(x^2-3*x+1)/(3*x^2-2*x+1)$  lgdogf  
A192914 12.3781  $[(3*x^2-2*x+1)/(x+1)/(x^2-3*x+1)$  ogf]  
A192914 6.80240  $[{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 1, a(1) = 0, a(2) = 5},$   
ogf]  
A192914 8.03262  $[-(3*x^4-4*x^3+13*x^2-10*x)/(3*x^5-8*x^4-x^3+5*x^2-4*x+1)$   
lgdogf]  
A192916 11.4581  $-x*(-12-4*x^2+4*x^3+15*x)/(1+x)/(x^2-3*x+1)/(4*x^2-2*x+1)$  lgdogf  
A192916 12.5454  $[(4*x^2-2*x+1)/(x+1)/(x^2-3*x+1)$  ogf]  
A192916 6.89432  $[{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 1, a(1) = 0, a(2) = 6},$   
ogf]

A192916 8.05547  $[-(4*x^4-4*x^3+15*x^2-12*x)/(4*x^5-10*x^4-3*x^3+6*x^2-4*x+1)$   
lgdogf]  
A192917 13.7241  $[-x*(4*x-5)/(x+1)/(x^2-3*x+1)$  ogf]  
A192917 13.8842  $-(6+20*x+8*x^3-23*x^2)/(4*x-5)/(1+x)/(x^2-3*x+1)$  lgdogf  
A192917 7.04753  $[{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 5, a(2) = 6},$   
ogf]  
A192917 9.31281  $[-(-8*x^3+23*x^2-20*x-6)/(-4*x^4+13*x^3-2*x^2-14*x+5)$  lgdogf]  
A192919 11.3754  $-x*(-16-12*x^2+2*x^3+25*x)/(1+x)/(x^2-3*x+1)/(2*x^2-6*x+3)$   
lgdogf]  
A192919 12.7127  $[(2*x^2-6*x+3)/(x+1)/(x^2-3*x+1)$  ogf]  
A192919 6.98625  $[{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 3, a(1) = 0, a(2) = 8},$   
ogf]  
A192919 7.91300  $[-(-2*x^4+12*x^3-25*x^2+16*x)/$   
 $(-2*x^5+10*x^4-11*x^3-8*x^2+12*x-3)$  lgdogf]  
A192920 12.0427  $[-x*(2*x-5)/(x+1)/(x^2-3*x+1)$  ogf]  
A192920 14.0924  $-(8+20*x+4*x^3-19*x^2)/(2*x-5)/(1+x)/(x^2-3*x+1)$  lgdogf  
A192920 6.18408  $[{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 5, a(2) = 8},$   
ogf]  
A192920 8.27028  $[-(-4*x^3+19*x^2-20*x-8)/(-2*x^4+9*x^3-6*x^2-12*x+5)$  lgdogf]  
A192921 11.3295  $-(2-4*x+4*x^4+5*x^2)/(2*x+1)/(-1+2*x)/(1+x)/(x^2-3*x+1)$  lgdogf  
A192921 13.9167  $[-(2*x-1)*(2*x+1)/(x+1)/(x^2-3*x+1)$  ogf]  
A192921 7.08261  $[{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 2},$   
ogf]  
A192921 9.01423  $[-(-4*x^4-5*x^2+4*x-2)/(-4*x^5+8*x^4+9*x^3-6*x^2-2*x+1)$  lgdogf]  
A192922 6.70768  $-x*(-2+4*x^2-3*x^3-2*x^4+3*x^5+2*x)/(3*x^3-x^2-2*x+1)/$   
 $(x^4+3*x^3-2*x^2-2*x+1)$  lgdogf]  
A192922 6.83751  $[(3*x^3-x^2-2*x+1)/(x^4+3*x^3-2*x^2-2*x+1)$  ogf]  
A192923 8.35614  $[-x*(2*x^2-1)/(x^4+3*x^3-2*x^2-2*x+1)$  ogf]  
A192923 8.59923  $-(2-4*x^3+6*x^4+4*x^5-5*x^2)/(2*x^2-1)/(x^4+3*x^3-2*x^2-2*x+1)$   
lgdogf]  
A192928 5.77377  $[-(x+1)*(x^7-x^6+x^5+x-1)/(x^4+x-1)/(x^8+x^2-1)$  ogf]  
A192932 6.26602  $[-(x^5+4*x^3+5*x^2+9*x-9)/(x^3-x-1)/(x^3-x^2+2*x-1)$  ogf]  
A192937 3.33910  $[{a(n+3)-102*a(n+2)+201*a(n+1)-100*a(n), a(0) = 100, a(1) =$   
 $9999, a(2) = 999898},$  ogf]  
A192937 5.85486  $[-(100*x^2-201*x+100)/(100*x-1)/(x-1)^2$  ogf]  
A192940 4.27353  $[{(-4*n^2-18*n-19)*a(n+1)+(4*n+11)*a(n+2)-a(n+3), a(0) = 0, a(1)$   
 $= 1, a(2) = 7},$  ogf]  
A192942 4.40921  $[{(-n^2-6*n-4)*a(n+1)+(2*n+7)*a(n+2)-a(n+3), a(0) = 0, a(1) = 2,$   
 $a(2) = 10},$  ogf]  
A192945 3.67633  $[{(27*n^2-3)*a(n)+(68*n^2+102*n+34)*a(n+1)+(-8*n^2-24*n-16)*a(n$   
 $+2), a(0) = 1, a(1) = 1, a(2) = 2},$  ogf]  
A192950 4.35550  $[{(-n^2-6*n-4)*a(n+1)+(2*n+7)*a(n+2)-a(n+3), a(0) = 0, a(1) = 1,$   
 $a(2) = 5},$  ogf]  
A192951 11.0489  $[-x*(2*x^2+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192951 14.7399  $-(2*x+1)*(2*x^3+3*x-3)/(x-1)/(2*x^2+1)/(x^2+x-1)$  lgdogf  
A192951 3.98989  $[{(3*n+8)*a(n+1)+3*a(n+2)+(-6*n-13)*a(n+3)+(3*n+5)*a(n+4), a(0)$   
 $= 0, a(1) = 1, a(2) = 3, a(3) = 9},$  ogf]  
A192951 8.16115  $[-(-4*x^4-2*x^3-6*x^2+3*x+3)/(-2*x^5+3*x^3-2*x^2+2*x-1)$  lgdogf]  
A192952 10.2597  $[-x*(3*x^2-x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192952 14.4746  $-2*(-1-2*x+3*x^4+3*x^2)/(x-1)/(3*x^2-x+1)/(x^2+x-1)$  lgdogf  
A192952 4.16087  $[{(3*n+7)*a(n+1)+3*a(n+2)+(-6*n-11)*a(n+3)+(3*n+4)*a(n+4), a(0)$   
 $= 0, a(1) = 1, a(2) = 2, a(3) = 7},$  ogf]  
A192952 8.51086  $[-(-6*x^4-6*x^2+4*x+2)/(-3*x^5+x^4+5*x^3-5*x^2+3*x-1)$  lgdogf]  
A192953 10.0633  $[-x*(2*x^2-x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192953 13.6579  $-(2-2*x-x^3+4*x^4+5*x^2)/(x-1)/(2*x^2-x+1)/(x^2+x-1)$  lgdogf  
A192953 4.10403  $[{(2*n+5)*a(n+1)+2*a(n+2)+(-4*n-8)*a(n+3)+(2*n+3)*a(n+4), a(0) =$   
 $0, a(1) = 1, a(2) = 2, a(3) = 6},$  ogf]  
A192953 7.65231  $[-(-4*x^4+x^3-5*x^2+2*x+2)/(-2*x^5+x^4+3*x^3-4*x^2+3*x-1)$   
lgdogf]  
A192954 11.0549  $-(1+5*x+5*x^3-7*x^4+x^5-9*x^2)/(x-1)/(x^2+x-1)/(x^3-4*x^2+2*x-1)$   
lgdogf]

A192954 3.96558 [  $\{(-2*n-7)*a(n+1)-2*a(n+2)+(4*n+12)*a(n+3)+(-2*n-5)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 11\}$ , ogf]  
A192954 9.37319 [  $(x^3-4*x^2+2*x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192955 11.6409  $-2*(1+x+x^3-5*x^4+x^5-2*x^2)/(x-1)/(x^2+x-1)/(x^3-4*x^2+2*x-1)$  lgdogf  
A192955 8.22924 [  $-x*(x^3-4*x^2+2*x-1)/(x^2+x-1)/(x-1)^3$  ogf]  
A192956 11.1849  $-x*(8+9*x^2-10*x^3+2*x^4-13*x)/(x-1)/(x^2+x-1)/(2*x^3-6*x^2+3*x-1)$  lgdogf  
A192956 4.16087 [  $\{(2*n+7)*a(n+1)+2*a(n+2)+(-4*n-12)*a(n+3)+(2*n+5)*a(n+4), a(0) = 1, a(1) = 0, a(2) = 4, a(3) = 9\}$ , ogf]  
A192956 9.72670 [  $(2*x^3-6*x^2+3*x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192957 10.4084  $-(1+4*x+4*x^3-14*x^4+4*x^5-5*x^2)/(x-1)/(x^2+x-1)/(2*x^3-6*x^2+3*x-1)$  lgdogf  
A192957 8.18929 [  $-x*(2*x^3-6*x^2+3*x-1)/(x^2+x-1)/(x-1)^3$  ogf]  
A192958 10.1124  $-(-1+11*x+13*x^3-13*x^4+3*x^5-17*x^2)/(x-1)/(x^2+x-1)/(3*x^3-8*x^2+4*x-1)$  lgdogf  
A192958 4.13788 [  $\{(-2*n-7)*a(n+1)-2*a(n+2)+(4*n+12)*a(n+3)+(-2*n-5)*a(n+4), a(0) = 1, a(1) = -1, a(2) = 3, a(3) = 7\}$ , ogf]  
A192958 9.72670 [  $(3*x^3-8*x^2+4*x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192959 11.9104  $-6*x*(1+x^2-3*x^3+x^4-x)/(x-1)/(x^2+x-1)/(3*x^3-8*x^2+4*x-1)$  lgdogf  
A192959 8.10939 [  $-x*(3*x^3-8*x^2+4*x-1)/(x^2+x-1)/(x-1)^3$  ogf]  
A192960 11.2130 [  $-(x+1)*(x^2-x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192960 12.5373  $-(-3+x+3*x^3+x^4+x^5+x^2)/(x-1)/(1+x)/(x^2-x+1)/(x^2+x-1)$  lgdogf  
A192960 4.00465 [  $\{(-2*n-7)*a(n+1)-2*a(n+2)+(4*n+12)*a(n+3)+(-2*n-5)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 15\}$ , ogf]  
A192960 7.59216 [  $-(-x^5-x^4-3*x^3-x^2-x+3)/(-x^6+2*x^4-2*x^3+2*x-1)$  lgdogf]  
A192961 10.2764 [  $x*(x+1)*(x^2-x+1)/(x^2+x-1)/(x-1)^3$  ogf]  
A192961 12.9739  $-2*(-2+x+x^3+x^4+x^5+x^2)/(x-1)/(1+x)/(x^2-x+1)/(x^2+x-1)$  lgdogf  
A192961 7.81436 [  $-(-2*x^5-2*x^4-2*x^3-2*x^2-2*x+4)/(-x^6+2*x^4-2*x^3+2*x-1)$  lgdogf]  
A192962 11.5262  $-(2+4*x+3*x^3-5*x^4+x^5-9*x^2)/(x-1)/(x^2+x-1)/(x^3-3*x^2+x-1)$  lgdogf  
A192962 4.02678 [  $\{(n+4)*a(n+1)+a(n+2)+(-2*n-7)*a(n+3)+(n+3)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 15\}$ , ogf]  
A192962 9.46555 [  $(x^3-3*x^2+x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192963 10.9097  $-(2*x+1)*(x^4-4*x^3+2*x^2-4*x+3)/(x-1)/(x^2+x-1)/(x^3-3*x^2+x-1)$  lgdogf  
A192963 3.93777 [  $\{(-n-4)*a(n+1)-2*a(n+2)+(2*n+6)*a(n+3)+(-n-2)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 10\}$ , ogf]  
A192963 7.96402 [  $-x*(x^3-3*x^2+x-1)/(x^2+x-1)/(x-1)^3$  ogf]  
A192964 13.0543  $-x*(1+x^2)*(x^2-9*x+6)/(x-1)/(x^2+x-1)/(x^3-5*x^2+3*x-1)$  lgdogf  
A192964 4.14407 [  $\{(n+3)*a(n+1)+a(n+2)+(-2*n-5)*a(n+3)+(n+2)*a(n+4), a(0) = 1, a(1) = 0, a(2) = 3, a(3) = 7\}$ , ogf]  
A192964 9.63362 [  $(x^3-5*x^2+3*x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192965 10.6130  $-(1+2*x+4*x^3-13*x^4+2*x^5-2*x^2)/(x-1)/(x^2+x-1)/(x^3-5*x^2+3*x-1)$  lgdogf  
A192965 4.03204 [  $\{(-n-3)*a(n+1)-2*a(n+2)+(2*n+4)*a(n+3)+(-n-1)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 4\}$ , ogf]  
A192965 8.10939 [  $-x*(x^3-5*x^2+3*x-1)/(x^2+x-1)/(x-1)^3$  ogf]  
A192966 11.2935  $-(2*x+1)*(x^4-4*x^3+4*x^2-4*x+2)/(x-1)/(x^2+x-1)/(x^3-3*x^2+2*x-1)$  lgdogf  
A192966 4.22415 [  $\{(-n-4)*a(n+1)-2*a(n+2)+(2*n+6)*a(n+3)+(-n-2)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6\}$ , ogf]  
A192966 7.56123 [  $-(-2*x^5+7*x^4-4*x^3+4*x^2-2)/(-x^6+3*x^5-6*x^3+7*x^2-4*x+1)$  lgdogf]  
A192966 8.49576 [  $-x*(x^3-3*x^2+2*x-1)/(x^2+x-1)/(x-1)^3$  ogf]  
A192967 10.2514 [  $(x^3-4*x^2+3*x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192967 12.9741  $-x*(4+8*x^2-7*x^3+x^4-8*x)/(x-1)/(x^2+x-1)/(x^3-4*x^2+3*x-1)$  lgdogf  
A192967 4.40982 [  $\{(-n-3)*a(n+1)-a(n+2)+(2*n+5)*a(n+3)+(-n-2)*a(n+4), a(0) = 1,$



$a(1) = 0, a(2) = 2, a(3) = 4$ , ogf]  
A192968 11.4331  $-(1+6*x^3-10*x^4+2*x^5-2*x^2)/(x-1)/(x^2+x-1)/(x^3-4*x^2+3*x-1)$   
lgdogf  
A192968 4.08401  $[ \{ (-n-3)*a(n+1)-2*a(n+2)+(2*n+4)*a(n+3)+(-n-1)*a(n+4), a(0) = 0,$   
 $a(1) = 1, a(2) = 1, a(3) = 3 \}$ , ogf]  
A192968 8.21391  $[ -x*(x^3-4*x^2+3*x-1)/(x^2+x-1)/(x-1)^3$  ogf]  
A192969 11.9065  $-(2+2*x+4*x^3-3*x^4+x^5-8*x^2)/(x-1)/(x^2+x-1)/(x^3-2*x^2+x-1)$   
lgdogf  
A192969 4.15767  $[ \{ (-n-5)*a(n+1)-a(n+2)+(2*n+9)*a(n+3)+(-n-4)*a(n+4), a(0) = 1,$   
 $a(1) = 2, a(2) = 6, a(3) = 12 \}$ , ogf]  
A192969 9.77323  $[ (x^3-2*x^2+x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192970 11.9104  $-(3+2*x^3-4*x^4+2*x^5-6*x^2)/(x-1)/(x^2+x-1)/(x^3-2*x^2+x-1)$   
lgdogf  
A192970 8.14934  $[ -x*(x^3-2*x^2+x-1)/(x^2+x-1)/(x-1)^3$  ogf]  
A192971 11.4462  $-(2+8*x+x^3-9*x^4+x^5-11*x^2)/(x-1)/(x^2+x-1)/(x^3-5*x^2+x-1)$   
lgdogf  
A192971 3.91387  $[ \{ (2*n+7)*a(n+1)+2*a(n+2)+(-4*n-12)*a(n+3)+(2*n+5)*a(n+4), a(0)$   
 $= 1, a(1) = 2, a(2) = 9, a(3) = 21 \}$ , ogf]  
A192971 9.25097  $[ (x^3-5*x^2+x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192972 11.0673  $-(3+6*x-4*x^3-13*x^4+2*x^5-6*x^2)/(x-1)/(x^2+x-1)/$   
 $(x^3-5*x^2+x-1)$  lgdogf  
A192972 8.20176  $[ -x*(x^3-5*x^2+x-1)/(x^2+x-1)/(x-1)^3$  ogf]  
A192973 11.0131  $[ -(3*x^2+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192973 13.2405  $-(3-5*x+3*x^3+6*x^4+7*x^2)/(x-1)/(3*x^2+1)/(x^2+x-1)$  lgdogf  
A192973 3.91175  $[ \{ (-2*n-7)*a(n+1)-2*a(n+2)+(4*n+12)*a(n+3)+(-2*n-5)*a(n+4), a(0)$   
 $= 1, a(1) = 3, a(2) = 10, a(3) = 23 \}$ , ogf]  
A192973 8.13467  $[ -(-6*x^4-3*x^3-7*x^2+5*x+3)/(-3*x^5+5*x^3-3*x^2+2*x-1)$  lgdogf]  
A192974 13.5732  $-(4-4*x+6*x^3+9*x^4+5*x^2)/(x-1)/(3*x^2+1)/(x^2+x-1)$  lgdogf  
A192974 8.29497  $[ -(-9*x^4-6*x^3-5*x^2+4*x+4)/(-3*x^5+5*x^3-3*x^2+2*x-1)$  lgdogf]  
A192974 9.99941  $[ x*(3*x^2+1)/(x^2+x-1)/(x-1)^3$  ogf]  
A192975 3.91387  $[ \{ (2*n+7)*a(n+1)+2*a(n+2)+(-4*n-12)*a(n+3)+(2*n+5)*a(n+4), a(0)$   
 $= 1, a(1) = 1, a(2) = 8, a(3) = 19 \}$ , ogf]  
A192975 9.25097  $[ (2*x^3-7*x^2+2*x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192975 9.83407  $-(1+11*x+5*x^3-12*x^4+2*x^5-15*x^2)/(x-1)/(x^2+x-1)/$   
 $(2*x^3-7*x^2+2*x-1)$  lgdogf  
A192976 10.3747  $-(2+8*x-2*x^3-17*x^4+4*x^5-7*x^2)/(x-1)/(x^2+x-1)/$   
 $(2*x^3-7*x^2+2*x-1)$  lgdogf  
A192976 8.16213  $[ -x*(2*x^3-7*x^2+2*x-1)/(x^2+x-1)/(x-1)^3$  ogf]  
A192978 14.9308  $-(4+2*x^3+3*x^4+5*x^2)/(x-1)/(x^2+1)/(x^2+x-1)$  lgdogf  
A192978 8.48006  $[ -(-3*x^4-2*x^3-5*x^2+4)/(-x^5+x^3-x^2+2*x-1)$  lgdogf]  
A192978 9.75788  $[ x*(x^2+1)/(x^2+x-1)/(x-1)^3$  ogf]  
A192979 10.8544  $[ -(3*x^2-2*x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192979 14.1273  $-(x^2+1)*(6*x^2-3*x-1)/(x-1)/(3*x^2-2*x+1)/(x^2+x-1)$  lgdogf  
A192979 4.16087  $[ \{ (n+3)*a(n+1)+a(n+2)+(-2*n-5)*a(n+3)+(n+2)*a(n+4), a(0) = 1,$   
 $a(1) = 1, a(2) = 4, a(3) = 9 \}$ , ogf]  
A192979 7.80162  $[ -(-6*x^4+3*x^3-5*x^2+3*x+1)/(-3*x^5+2*x^4+5*x^3-7*x^2+4*x-1)$   
lgdogf]  
A192980 14.0123  $-(2-2*x^3+9*x^4+x^2)/(x-1)/(3*x^2-2*x+1)/(x^2+x-1)$  lgdogf  
A192980 7.88360  $[ -(-9*x^4+2*x^3-x^2+2)/(-3*x^5+2*x^4+5*x^3-7*x^2+4*x-1)$  lgdogf]  
A192980 8.95421  $[ x*(3*x^2-2*x+1)/(x^2+x-1)/(x-1)^3$  ogf]  
A192981 10.6467  $[ -(4*x^2-3*x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A192981 13.6579  $-x*(-4-5*x^2+8*x^3+5*x)/(x-1)/(4*x^2-3*x+1)/(x^2+x-1)$  lgdogf  
A192981 4.10403  $[ \{ (2*n+5)*a(n+1)+2*a(n+2)+(-4*n-8)*a(n+3)+(2*n+3)*a(n+4), a(0) =$   
 $1, a(1) = 0, a(2) = 2, a(3) = 5 \}$ , ogf]  
A192981 7.89916  $[ -(8*x^4-5*x^3+5*x^2-4*x)/(4*x^5-3*x^4-7*x^3+10*x^2-5*x+1)$   
lgdogf]  
A192982 12.7277  $-(2*x+1)*(6*x^3-5*x^2+2*x-1)/(x-1)/(4*x^2-3*x+1)/(x^2+x-1)$   
lgdogf  
A192982 7.96762  $[ -(-12*x^4+4*x^3+x^2+1)/(-4*x^5+3*x^4+7*x^3-10*x^2+5*x-1)$   
lgdogf]  
A192982 9.24637  $[ x*(4*x^2-3*x+1)/(x^2+x-1)/(x-1)^3$  ogf]

A192989 21.5051 [3\*(x+1)^2 lgdegf]  
A192989 3.40193 [ {(-3\*n^2-15\*n-18)\*a(n+1)+(-6\*n-18)\*a(n+2)+a(n+4)-3\*a(n+3), a(0) = 1, a(1) = 3, a(2) = 15, a(3) = 87}, ogf ]  
A192989 65.5732 3\*(1+x)^2 lgdegf  
A193004 7.66256 [ (x^4-3\*x^3+10\*x^2-3\*x+1)/(x^2+x-1)/(x-1)^3 ogf ]  
A193004 8.82869 -(-1-12\*x-2\*x^3+28\*x^4-4\*x^5+x^6+8\*x^2)/(x-1)/(x^2+x-1)/(x^4-3\*x^3+10\*x^2-3\*x+1) lgdogf  
A193005 6.92705 [ -x\*(x^4-3\*x^3+10\*x^2-3\*x+1)/(x^2+x-1)/(x-1)^4 ogf ]  
A193005 8.93553 -2\*(-1-4\*x+4\*x^3+17\*x^4-3\*x^5+x^6-2\*x^2)/(x-1)/(x^2+x-1)/(x^4-3\*x^3+10\*x^2-3\*x+1) lgdogf  
A193006 7.62537 [ (2\*x^4-6\*x^3+13\*x^2-4\*x+1)/(x^2+x-1)/(x-1)^3 ogf ]  
A193006 8.61335 -x\*(-16-10\*x^2+35\*x^3-8\*x^4+2\*x^5+15\*x)/(x-1)/(x^2+x-1)/(2\*x^4-6\*x^3+13\*x^2-4\*x+1) lgdogf  
A193007 6.89407 [ -x\*(2\*x^4-6\*x^3+13\*x^2-4\*x+1)/(x^2+x-1)/(x-1)^4 ogf ]  
A193007 8.67809 -(-1-11\*x+5\*x^3+40\*x^4-12\*x^5+4\*x^6-x^2)/(x-1)/(x^2+x-1)/(2\*x^4-6\*x^3+13\*x^2-4\*x+1) lgdogf  
A193008 12.6748 -(-2-8\*x+6\*x^3+21\*x^4+x^2)/(x-1)/(7\*x^2-2\*x+1)/(x^2+x-1) lgdogf  
A193008 7.31089 [ -(-21\*x^4-6\*x^3-x^2+8\*x+2)/(-7\*x^5+2\*x^4+13\*x^3-11\*x^2+4\*x-1) lgdogf ]  
A193008 9.39971 [ (7\*x^2-2\*x+1)/(x^2+x-1)/(x-1)^3 ogf ]  
A193041 11.5720 -(-3-5\*x+11\*x^3+28\*x^4-7\*x^2)/(x-1)/(7\*x^2-2\*x+1)/(x^2+x-1) lgdogf  
A193041 7.78818 [ -x\*(7\*x^2-2\*x+1)/(x^2+x-1)/(x-1)^4 ogf ]  
A193044 3.97246 [ {(n+4)\*a(n+1)+2\*a(n+2)+(-2\*n-6)\*a(n+3)+(n+2)\*a(n+4), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 5}, ogf ]  
A193044 7.64591 [ (x^4-4\*x^3+7\*x^2-4\*x+1)/(x^2+x-1)/(x-1)^3 ogf ]  
A193044 9.33872 -x\*(-4-14\*x^2+17\*x^3-6\*x^4+x^5+9\*x)/(x-1)/(x^2+x-1)/(x^4-4\*x^3+7\*x^2-4\*x+1) lgdogf  
A193045 4.07177 [ {(n+4)\*a(n+1)+3\*a(n+2)+(-2\*n-5)\*a(n+3)+(n+1)\*a(n+4), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 3}, ogf ]  
A193045 6.94140 [ -x\*(x^4-4\*x^3+7\*x^2-4\*x+1)/(x^2+x-1)/(x-1)^4 ogf ]  
A193045 9.44975 -(-1+x-7\*x^3+19\*x^4-9\*x^5+2\*x^6-x^2)/(x-1)/(x^2+x-1)/(x^4-4\*x^3+7\*x^2-4\*x+1) lgdogf  
A193046 6.24584 [ (x^5-6\*x^4-x^3-21\*x^2+4\*x-1)/(x^2+x-1)/(x-1)^4 ogf ]  
A193046 7.24126 -(1+27\*x-20\*x^3-110\*x^4-16\*x^5-9\*x^6+30\*x^2+x^7)/(x-1)/(x^2+x-1)/(x^5-6\*x^4-x^3-21\*x^2+4\*x-1) lgdogf  
A193047 5.54066 [ -x\*(x^5-6\*x^4-x^3-21\*x^2+4\*x-1)/(x^2+x-1)/(x-1)^5 ogf ]  
A193047 7.20041 -2\*(1+11\*x-18\*x^3-63\*x^4-12\*x^5-7\*x^6+27\*x^2+x^7)/(x-1)/(x^2+x-1)/(x^5-6\*x^4-x^3-21\*x^2+4\*x-1) lgdogf  
A193048 4.03857 [ {(-n-5)\*a(n+1)-4\*a(n+2)+(2\*n+6)\*a(n+3)+(-n-1)\*a(n+4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 2}, ogf ]  
A193048 5.56080 [ (x^2-x+1)\*(x^4-5\*x^3+9\*x^2-5\*x+1)/(x^2+x-1)/(x-1)^5 ogf ]  
A193049 4.02737 [ {(n+5)\*a(n+1)+5\*a(n+2)+(-2\*n-5)\*a(n+3)+a(n+4)\*n, a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 2, a(4) = 4}, ogf ]  
A193049 5.15391 [ -x\*(x^2-x+1)\*(x^4-5\*x^3+9\*x^2-5\*x+1)/(x^2+x-1)/(x-1)^6 ogf ]  
A193052 4.75373 [ {-a(n+3)+12\*a(n+2)-47\*a(n+1)+60\*a(n), a(0) = -1, a(1) = -2, a(2) = 0}, ogf ]  
A193052 7.18507 -2\*(1-24\*x-600\*x^3+690\*x^4+187\*x^2)/(4\*x-1)/(3\*x-1)/(5\*x-1)/(23\*x^2-10\*x+1) lgdogf  
A193052 8.21098 [ (23\*x^2-10\*x+1)/(4\*x-1)/(3\*x-1)/(5\*x-1) ogf ]  
A193053 13.9280 -(-5-15\*x-8\*x^3+2\*x^4-16\*x^2)/(x-1)/(1+x)/(x^3-3\*x^2-4\*x-1) lgdogf  
A193053 8.54571 [ -(-2\*x^4+8\*x^3+16\*x^2+15\*x+5)/(-x^5+3\*x^4+5\*x^3-2\*x^2-4\*x-1) lgdogf ]  
A193053 9.85271 [ (x^3-3\*x^2-4\*x-1)/(x+1)^2/(x-1)^3 ogf ]  
A193068 11.3301 [ 2\*(x^2-3\*x+6)/(x-1)^4 ogf ]  
A193068 12.2017 [ -(-2\*x^2+7\*x-21)/(-x^3+4\*x^2-9\*x+6) lgdogf ]  
A193068 23.5865 -(21-7\*x+2\*x^2)/(x-1)/(x^2-3\*x+6) lgdogf  
A193068 3.88779 [ {(6\*n+24)\*a(n+4)+(-48-9\*n)\*a(n+3)+(15+4\*n)\*a(n+2)+(-3-n)\*a(n+1), a(0) = 12, a(1) = 42, a(2) = 98, a(3) = 188}, ogf ]  
A193090 8.03620 [ -(9\*x^8+2\*x^7+7\*x^6+6\*x^5+8\*x^4+4\*x^3+3\*x^2+5\*x+1)/(x-1)/

$(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A193127 6.07468 [  $2*(x^4+2*x^3-16*x^2+2*x+1)/(x-1)^2/(x^2-7*x+1)^2$  ogf]  
A193127 7.48933  $-2*(9-24*x+127*x^3-48*x^4+3*x^5+x^6-18*x^2)/(x-1)/(x^2-7*x+1)/(x^4+2*x^3-16*x^2+2*x+1)$  lgdogf  
A193132 17.2290 [  $12/(16*x-1)^2$  ogf]  
A193132 21.2491 [  $32/(-16*x+1)$  lgdogf]  
A193132 48.1646  $-32/(-1+16*x)$  lgdogf  
A193132 7.24400 [  $\{-a(n+2)+32*a(n+1)-256*a(n), a(0) = 12, a(1) = 384\}$ , ogf]  
A193146 11.6819 [  $1/(x-1)/(x+1)/(x^4+x-1)$  ogf]  
A193146 12.3365  $-(-1-2*x-4*x^3+6*x^5+3*x^2)/(x-1)/(1+x)/(x^4+x-1)$  lgdogf  
A193147 11.9292 [  $-(5*x^4+6*x^2+1)/(x^5+2*x^3+x-1)$  lgdogf]  
A193147 18.1053  $-(5*x^2+1)*(1+x^2)/(x^2+x+1)/(x^3-x^2+2*x-1)$  lgdogf  
A193147 19.7850 [  $-1/(x^2+x+1)/(x^3-x^2+2*x-1)$  ogf]  
A193218 10.2221 [  $(x+1)*(x^2+16*x+1)/(x-1)^4$  ogf]  
A193218 10.4876 [  $-(x^3+37*x^2+85*x+21)/(x^4+16*x^3-16*x-1)$  lgdogf]  
A193218 17.2390  $-(21+85*x+x^3+37*x^2)/(x-1)/(1+x)/(x^2+16*x+1)$  lgdogf  
A193218 4.38883 [  $\{(-7*n^2-32*n-36)*a(n+1)+(14*n^2+70*n+147)*a(n+2)+(-7*n^2-38*n-51)*a(n+3), a(0) = 1, a(1) = 21, a(2) = 95\}$ , ogf]  
A193228 10.3300 [  $(x+1)*(x^2+34*x+1)/(x-1)^4$  ogf]  
A193228 10.4624 [  $-(x^3+73*x^2+175*x+39)/(x^4+34*x^3-34*x-1)$  lgdogf]  
A193228 17.0558  $-(39+175*x+x^3+73*x^2)/(x-1)/(1+x)/(x^2+34*x+1)$  lgdogf  
A193228 4.31782 [  $\{(-16*n^2-77*n-90)*a(n+1)+(32*n^2+160*n+309)*a(n+2)+(-16*n^2-83*n-105)*a(n+3), a(0) = 1, a(1) = 39, a(2) = 185\}$ , ogf]  
A193248 10.0360 [  $(x+1)*(x^2+88*x+1)/(x-1)^4$  ogf]  
A193248 10.0360 [  $-(x^3+181*x^2+445*x+93)/(x^4+88*x^3-88*x-1)$  lgdogf]  
A193248 16.2213  $-(93+445*x+x^3+181*x^2)/(x-1)/(1+x)/(x^2+88*x+1)$  lgdogf  
A193248 4.12939 [  $\{(43*n^2+212*n+252)*a(n+1)+(-86*n^2-430*n-795)*a(n+2)+(43*n^2+218*n+267)*a(n+3), a(0) = 1, a(1) = 93, a(2) = 455\}$ , ogf]  
A193249 15.5160  $-(153+745*x+x^3+301*x^2)/(x-1)/(1+x)/(x^2+148*x+1)$  lgdogf  
A193249 4.05079 [  $\{(73*n^2+362*n+432)*a(n+1)+(-146*n^2-730*n-1335)*a(n+2)+(73*n^2+368*n+447)*a(n+3), a(0) = 1, a(1) = 153, a(2) = 755\}$ , ogf]  
A193249 9.63299 [  $-(x^3+301*x^2+745*x+153)/(x^4+148*x^3-148*x-1)$  lgdogf]  
A193249 9.75191 [  $(x+1)*(x^2+148*x+1)/(x-1)^4$  ogf]  
A193250 10.0248 [  $(x+1)*(x^2+46*x+1)/(x-1)^4$  ogf]  
A193250 10.1533 [  $-(x^3+97*x^2+235*x+51)/(x^4+46*x^3-46*x-1)$  lgdogf]  
A193250 16.5452  $-(51+235*x+x^3+97*x^2)/(x-1)/(1+x)/(x^2+46*x+1)$  lgdogf  
A193250 4.12478 [  $\{(22*n^2+107*n+126)*a(n+1)+(-44*n^2-220*n-417)*a(n+2)+(-22*n^2+113*n+141)*a(n+3), a(0) = 1, a(1) = 51, a(2) = 245\}$ , ogf]  
A193251 15.3044  $-(123+595*x+x^3+241*x^2)/(x-1)/(1+x)/(x^2+118*x+1)$  lgdogf  
A193251 3.99654 [  $\{(58*n^2+287*n+342)*a(n+1)+(-116*n^2-580*n-1065)*a(n+2)+(58*n^2+293*n+357)*a(n+3), a(0) = 1, a(1) = 123, a(2) = 605\}$ , ogf]  
A193251 9.50398 [  $-(x^3+241*x^2+595*x+123)/(x^4+118*x^3-118*x-1)$  lgdogf]  
A193251 9.62131 [  $(x+1)*(x^2+118*x+1)/(x-1)^4$  ogf]  
A193252 10.2969 [  $(x+1)*(x^2+70*x+1)/(x-1)^4$  ogf]  
A193252 10.2969 [  $-(x^3+145*x^2+355*x+75)/(x^4+70*x^3-70*x-1)$  lgdogf]  
A193252 16.6484  $-(75+355*x+x^3+145*x^2)/(x-1)/(1+x)/(x^2+70*x+1)$  lgdogf  
A193252 4.23677 [  $\{(-34*n^2-167*n-198)*a(n+1)+(68*n^2+340*n+633)*a(n+2)+(-34*n^2-173*n-213)*a(n+3), a(0) = 1, a(1) = 75, a(2) = 365\}$ , ogf]  
A193253 15.6570  $-(183+895*x+x^3+361*x^2)/(x-1)/(1+x)/(x^2+178*x+1)$  lgdogf  
A193253 4.08696 [  $\{(88*n^2+437*n+522)*a(n+1)+(-176*n^2-880*n-1605)*a(n+2)+(88*n^2+443*n+537)*a(n+3), a(0) = 1, a(1) = 183, a(2) = 905\}$ , ogf]  
A193253 9.71899 [  $-(x^3+361*x^2+895*x+183)/(x^4+178*x^3-178*x-1)$  lgdogf]  
A193253 9.83898 [  $(x+1)*(x^2+178*x+1)/(x-1)^4$  ogf]  
A193261 4.85265 [  $-(-2*x^10-x^9-x^8+x^7-x^6-x^4+x^3-x^2-x-2)/(x^12-x^9+x^3-1)$  ogf\_with\_Euler\_transform]  
A193281 10.4440  $(-2*x^2+\ln(x-1)*x-\ln(x-1)+\ln(1+x)*x-\ln(1+x)-I*\text{Pi}*x+I*\text{Pi})/(x-1)/x^2$  lgdegf  
A193281 7.23367 [  $(-2*x+\ln(x+1)-2/(x-1)+\ln(x-1)-2-I*\text{Pi})/x^2$  lgdegf]  
A193282 12.9228  $-(-1-4*x+16*x^3-8*x^2)/(2*x+1)/(-1+2*x)/(4*x^2-x-1)$  lgdegf  
A193282 8.18346 [  $-(-16*x^3+8*x^2+4*x+1)/(-16*x^4+4*x^3+8*x^2-x-1)$  lgdegf]  
A193287 7.15451  $-1/2*I*(-8*I*x^3+2*I*\ln(2*x^2-1))*x^2-$

$I \ln(2*x^2-1) - 4*I*x^2 + 2*x^2*Pi - Pi) / (2*x^2-1) / x^2$  lgdegf  
A193288 8.15294  $1/3 * (-18*x^3 + 3*\ln(3*x^2-1) * x^2 - \ln(3*x^2-1) - 6*x^2 - 3*I*x^2*Pi + I*Pi) / (3*x^2-1) / x^2$  lgdegf  
A193289 8.20763  $1/3 * (-36*x^3 + 6*\ln(6*x^2-1) * x^2 - \ln(6*x^2-1) - 12*x^2 - 6*I*Pi*x^2 + I*Pi) / (6*x^2-1) / x^2$  lgdegf  
A193356 12.1378  $[(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A193356 13.4022  $[-(2*x^3+6*x)/(x^4-1)$  lgdogf]  
A193356 24.5557  $-2*x*(3+x^2)/(x-1)/(1+x)/(x^2+1)$  lgdogf  
A193356 25.6522  $[[-x^3+3*x]$  ogf\_with\_Euler\_transform]  
A193356 5.59397  $[{(-n-4)*a(n+1)+(n+2)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 3},$  ogf]  
A193361 5.18933  $[{a(n+2)*n - a(n+1)*n - a(n+4) + 2*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2},$  ogf]  
A193362 3.98165  $[x*(x^{10} - 16*x^9 + 35*x^8 - 8*x^7 - 38*x^6 + 28*x^5 + 18*x^4 - 37*x^3 + 10*x^2 + 36*x - 31)/(x+1)/(x^4+x^3+x^2+x+1)/(x-1)^5$  ogf]  
A193390 13.6386  $-(215+70*x-14*x^3+x^4+48*x^2)/(x-1)/(x^4-9*x^3+25*x^2+5*x+42)$  lgdogf  
A193390 7.98276  $[ -(-x^4+14*x^3-48*x^2-70*x-215)/(-x^5+10*x^4-34*x^3+20*x^2-37*x+42)$  lgdogf]  
A193390 8.72343  $[ -(x^4-9*x^3+25*x^2+5*x+42)/(x-1)^5$  ogf]  
A193391 10.2599  $[ -(9*x^3+3*x^2-x-27)/(x-1)^4$  ogf]  
A193391 16.0351  $-(-109+3*x+9*x^3+33*x^2)/(x-1)/(9*x^3+3*x^2-x-27)$  lgdogf  
A193391 3.77486  $[{(-6441*n^2-46137*n-66510)*a(n+1)+(12454*n^2+59204*n+5154)*a(n+2)+(-6013*n^2-14351*n+11064)*a(n+3), a(0) = 27, a(1) = 109, a(2) = 271},$  ogf]  
A193391 9.41494  $[ -(-9*x^3-33*x^2-3*x+109)/(-9*x^4+6*x^3+4*x^2+26*x-27)$  lgdogf]  
A193392 11.3874  $-(215-18*x+50*x^3+37*x^4-204*x^2)/(x-1)/(37*x^4-49*x^3-19*x^2+5*x+42)$  lgdogf  
A193392 7.33903  $[ -(-37*x^4-50*x^3+204*x^2+18*x-215)/(-37*x^5+86*x^4-30*x^3-24*x^2-37*x+42)$  lgdogf]  
A193392 8.08034  $[ -(37*x^4-49*x^3-19*x^2+5*x+42)/(x-1)^5$  ogf]  
A193393 10.2945  $[ -(7*x^3+15*x^2-3*x+109)/(7*x^4-10*x^3+4*x^2+26*x-27)$  lgdogf]  
A193393 11.3504  $[ (7*x^3-3*x^2+x+27)/(x-1)^4$  ogf]  
A193393 18.1370  $- (109-3*x+7*x^3+15*x^2)/(x-1)/(7*x^3-3*x^2+x+27)$  lgdogf  
A193393 4.33986  $[{(-842*n^2-5967*n-8566)*a(n+1)+(1796*n^2+9696*n+6649)*a(n+2)+(-954*n^2-3393*n-1593)*a(n+3), a(0) = 27, a(1) = 109, a(2) = 271},$  ogf]  
A193394 11.7834  $-(-215+18*x-18*x^3+27*x^4-132*x^2)/(x-1)/(27*x^4-63*x^3+19*x^2-5*x-42)$  lgdogf  
A193394 7.69783  $[ -(27*x^4-18*x^3-132*x^2+18*x-215)/(27*x^5-90*x^4+82*x^3-24*x^2-37*x+42)$  lgdogf]  
A193394 8.47538  $[ (27*x^4-63*x^3+19*x^2-5*x-42)/(x-1)^5$  ogf]  
A193395 8.77034  $[ -(19*x^4-72*x^3+42*x^2+56*x-109)/(x+1)/(x-1)^4$  ogf]  
A193395 9.92569  $-(-271-293*x-14*x^3-87*x^4+19*x^5+134*x^2)/(x-1)/(1+x)/(19*x^4-72*x^3+42*x^2+56*x-109)$  lgdogf  
A193396 7.57035  $[ (2*x^5+63*x^4-114*x^3-88*x^2+224*x-215)/(x+1)/(x-1)^5$  ogf]  
A193397 7.42187  $[ -(35*x^5-53*x^4-14*x^3+98*x^2-53*x-109)/(x+1)^2/(x-1)^4$  ogf]  
A193398 5.53107  $[ -(94*x^7-99*x^6-126*x^5+221*x^4-78*x^3-145*x^2+206*x+215)/(x+1)^3/(x-1)^5$  ogf]  
A193399 5.31812  $[ (7*x^5-21*x^4+2*x^3+26*x^2+55*x+27)/(x+1)^2/(x-1)^4$  ogf]  
A193399 6.38274  $- (109+324*x+24*x^3-x^4-28*x^5+7*x^6+333*x^2)/(x-1)/(1+x)/(7*x^5-21*x^4+2*x^3+26*x^2+55*x+27)$  lgdogf  
A193400 5.72806  $[ (27*x^7-78*x^6-25*x^5+146*x^4-63*x^3-122*x^2-131*x-42)/(x+1)^3/(x-1)^5$  ogf]  
A193410 14.0240  $[ -(3*x-1)/(18*x^2-6*x+1)$  ogf]  
A193410 16.6084  $-3*(1-12*x+18*x^2)/(3*x-1)/(18*x^2-6*x+1)$  lgdogf  
A193410 7.77234  $[{-a(n+2)+6*a(n+1)-18*a(n), a(0) = 1, a(1) = 3},$  ogf]  
A193410 9.48682  $[ -(-54*x^2+36*x-3)/(-54*x^3+36*x^2-9*x+1)$  lgdogf]  
A193418 8.55250  $- (3-5*x+6*x^3-17*x^4+15*x^5+12*x^6+2*x^2)/(x-1)/(3*x-1)/(1+x)/(x^2+1)/(x^2+x-1)$  lgdogf  
A193418 8.94586  $[ (x^2+x-1)/(x+1)/(3*x-1)/(x^2+1)/(x-1)^2$  ogf]  
A193422 13.5770  $-2*(-2+3*x^3-7*x^2)/(x-1)/(1+x)/(x^5-x^4-2*x^3+4*x^2-3*x-1)$

lgdogf  
 A193422 7.74401 [  $x^*(x^5-x^4-2x^3+4x^2-3x-1)/(x+1)^2/(x-1)^3$  ogf]  
 A193426 8.19936 [  $-(2x^8-x^7+x^6+x^4-x^3-x+1)/(-x^9-1)$  ogf\_with\_Euler\_transform]  
 A193427 19.1930 [  $-8/(-x^2+2x-1)$  ogf\_with\_Euler\_transform]  
 A193437 24.1881 [  $1/(-x^3+1)$  lgdegf]  
 A193437 36.9291 [  $-1/(x-1)/(x^2+x+1)$  lgdegf]  
 A193437 5.55136 [  $\{(n^3+3n^2+2n)*a(n)-a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf]  
 A193438 26.6729 [  $1/(-x^4+1)$  lgdegf]  
 A193438 33.3695 [  $-1/(x-1)/(1+x)/(x^2+1)$  lgdegf]  
 A193438 5.41190 [  $\{(n+4)*a(n+4)-a(n+3)-n*a(n), a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = 1/6\}$ , egf]  
 A193446 2.97158 [  $\{(n^3+15n^2+75n+125)*a(n+1)+(-3n^2-33n-91)*a(n+2)+(3n+18)*a(n+3)-a(n+4), a(0) = 2, a(1) = 18, a(2) = 142, a(3) = 1160\}$ , ogf]  
 A193448 12.2098 [  $-(x^2+18x+11)/(x^3+7x^2-7x-1)$  lgdogf]  
 A193448 12.9975 [  $-4*(x^2+8x+1)/(x-1)^3$  ogf]  
 A193448 24.7185 [  $-(11+18x+x^2)/(x-1)/(x^2+8x+1)$  lgdogf]  
 A193448 7.00735 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 4, a(1) = 44, a(2) = 124\}$ , ogf]  
 A193449 12.0776 [  $-(-24x^2-12x-6)/(-8x^3-6x^2+3x+1)$  lgdogf]  
 A193449 12.2634 [  $x^*(4x+1)/(2x-1)^2/(x+1)^2$  ogf]  
 A193449 20.1724 [  $-6*(1+4x^2+2x)/(4x+1)/(-1+2x)/(1+x)$  lgdogf]  
 A193449 4.19537 [  $\{(-3-n)*a(n+4)-3n*a(n+3)+(18+6n)*a(n+2)+(24+8n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 15\}$ , ogf]  
 A193475 13.5486 [  $2*(8x+1)/(16x-1)/(4x-1)$  ogf]  
 A193475 14.1949 [  $-4*(-7+32x+128x^2)/(16x-1)/(8x+1)/(4x-1)$  lgdogf]  
 A193475 7.65098 [  $\{-a(n+2)+20a(n+1)-64a(n), a(0) = 2, a(1) = 56\}$ , ogf]  
 A193475 8.90867 [  $-(512x^2+128x-28)/(512x^3-96x^2-12x+1)$  lgdogf]  
 A193519 13.2385 [  $-(-9x^2-10x+5)/(-3x^3-5x^2+5x-1)$  lgdogf]  
 A193519 19.1223 [  $2x^2/(3x-1)/(x^2+2x-1)$  ogf]  
 A193519 23.7139 [  $-(-5+10x+9x^2)/(3x-1)/(x^2+2x-1)$  lgdogf]  
 A193519 7.82276 [  $\{-a(n+3)+5a(n+2)-5a(n+1)-3a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
 A193530 8.31756 [  $-(x^5+3x^3-2x^2-2x+1)/(x-1)/(x^2+2x-1)/(x^4+2x^2-1)$  ogf]  
 A193575 12.2643 [  $-3*(63+120x+4x^3+x^4+22x^2)/(x-1)/(x^4+2x^3+12x^2+56x+19)$  lgdogf]  
 A193575 6.52458 [  $-x*(x^4+2x^3+12x^2+56x+19)/(x-1)^7$  ogf]  
 A193575 7.38632 [  $-(3x^4+12x^3+66x^2+360x+189)/(x^5+x^4+10x^3+44x^2-37x-19)$  lgdogf]  
 A193576 10.6313 [  $-(-35-206x-112x^3+5x^4+2x^5-284x^2)/(x-1)/(x^5-28x^3-40x^2-21x-2)$  lgdogf]  
 A193576 6.80878 [  $(x^5-28x^3-40x^2-21x-2)/(x-1)^7$  ogf]  
 A193577 11.9253 [  $\{a(n+1)-7a(n), a(0) = 5\}$ , ogf]  
 A193577 22.1470 [  $7/(-7x+1)$  lgdogf]  
 A193577 24.8046 [  $-5/(7x-1)$  ogf]  
 A193577 55.2848 [  $-7/(-1+7x)$  lgdogf]  
 A193578 10.2283 [  $-(-91x^2+26x-7)/(-91x^3+111x^2-21x+1)$  lgdogf]  
 A193578 15.2336 [  $-(7x-1)/(13x-1)/(x-1)$  ogf]  
 A193578 17.5999 [  $-(7-26x+91x^2)/(x-1)/(13x-1)/(-1+7x)$  lgdogf]  
 A193578 8.52356 [  $\{a(n+2)-14a(n+1)+13a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
 A193579 11.6158 [  $-(-40x^2+24x-5)/(-40x^3+62x^2-25x+3)$  lgdogf]  
 A193579 17.4238 [  $-3*(10x-3)/(4x-1)/(x-1)$  ogf]  
 A193579 20.2169 [  $-(5-24x+40x^2)/(x-1)/(4x-1)/(10x-3)$  lgdogf]  
 A193579 9.65654 [  $\{a(n+2)-5a(n+1)+4a(n), a(0) = 9, a(1) = 15\}$ , ogf]  
 A193581 8.06194 [  $-9x^{10}/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x^4-x^3+x^2-x+1)^2/(x-1)^3$  ogf]  
 A193608 16.2901 [  $-2*(-26+5x+x^3-4x^2)/(x-1)/(x-3)/(2x^2-x+5)$  lgdogf]  
 A193608 3.91741 [  $\{(109n^2+755n+1074)*a(n+1)+(-146n^2-679n-618)*a(n+2)+(37n^2+140n+87)*a(n+3), a(0) = 15, a(1) = 52, a(2) = 125\}$ , ogf]  
 A193608 8.98699 [  $-(-2x^3+8x^2-10x+52)/(-2x^4+9x^3-15x^2+23x-15)$  lgdogf]  
 A193608 9.79351 [  $-(x-3)*(2x^2-x+5)/(x-1)^4$  ogf]

A193641 12.9631 [  $-(x^2+x+1)/(x^3+2*x-1)$  ogf]  
A193641 15.3054  $-(3+2*x+2*x^3+x^4+x^2)/(x^2+x+1)/(x^3+2*x-1)$  lgdogf  
A193641 7.15669 [  $-(-x^4-2*x^3-x^2-2*x-3)/(-x^5-x^4-3*x^3-x^2-x+1)$  lgdogf]  
A193641 7.30896 [  $\{-a(n+3)+2*a(n+2)+a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$ , ogf]  
A193642 10.4152 [  $-(x^2+3*x+1)/(x^3+2*x^2+2*x-1)$  ogf]  
A193642 11.5240  $-(5+6*x+6*x^3+x^4+7*x^2)/(x^2+3*x+1)/(x^3+2*x^2+2*x-1)$  lgdogf  
A193642 5.62239 [  $\{-a(n+3)+2*a(n+2)+2*a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 13\}$ , ogf]  
A193642 6.61802 [  $-(-x^4+6*x^3+7*x^2+6*x+5)/(x^5+5*x^4+9*x^3+7*x^2-x-1)$  lgdogf]  
A193643 10.7120 [  $-(x^2+5*x+1)/(x+1)/(x^2+3*x-1)$  ogf]  
A193643 11.2378  $-(7+10*x+10*x^3+x^4+21*x^2)/(1+x)/(x^2+5*x+1)/(x^2+3*x-1)$  lgdogf  
A193643 5.78259 [  $\{-a(n+3)+2*a(n+2)+4*a(n+1)+a(n), a(0) = 1, a(1) = 7, a(2) = 19\}$ , ogf]  
A193643 6.46963 [  $-(-x^4-10*x^3-21*x^2-10*x-7)/(-x^5-9*x^4-23*x^3-13*x^2+3*x+1)$  lgdogf]  
A193644 10.5761 [  $-(x^2+7*x+1)/(x^3+6*x^2+2*x-1)$  ogf]  
A193644 11.0953  $-(9+14*x+14*x^3+x^4+43*x^2)/(x^2+7*x+1)/(x^3+6*x^2+2*x-1)$  lgdogf  
A193644 5.70924 [  $\{-a(n+3)+2*a(n+2)+6*a(n+1)+a(n), a(0) = 1, a(1) = 9, a(2) = 25\}$ , ogf]  
A193645 10.2803 [  $-(x^2+9*x+1)/(x^3+8*x^2+2*x-1)$  ogf]  
A193645 10.5958  $-(11+18*x+18*x^3+x^4+73*x^2)/(x^2+9*x+1)/(x^3+8*x^2+2*x-1)$  lgdogf  
A193645 5.50086 [  $\{a(n+3)-2*a(n+2)-8*a(n+1)-a(n), a(0) = 1, a(1) = 11, a(2) = 31\}$ , ogf]  
A193646 5.16070 [  $\{a(n+3)-2*a(n+2)-10*a(n+1)-a(n), a(0) = 1, a(1) = 13, a(2) = 37\}$ , ogf]  
A193646 9.42032 [  $-(x^2+11*x+1)/(x^3+10*x^2+2*x-1)$  ogf]  
A193646 9.52648  $-(13+22*x+22*x^3+x^4+111*x^2)/(x^2+11*x+1)/(x^3+10*x^2+2*x-1)$  lgdogf  
A193647 5.40260 [  $\{a(n+3)-2*a(n+2)-12*a(n+1)-a(n), a(0) = 1, a(1) = 15, a(2) = 43\}$ , ogf]  
A193647 9.86189 [  $-(x^2+13*x+1)/(x^3+12*x^2+2*x-1)$  ogf]  
A193647 9.98254  $-(15+26*x+26*x^3+x^4+157*x^2)/(x^2+13*x+1)/(x^3+12*x^2+2*x-1)$  lgdogf  
A193649 4.36848 [  $\{a(n+3)-2*a(n+2)-3*a(n+1)+4*a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A193649 7.93990  $-(1+2*x+8*x^3+8*x^4-11*x^2)/(x-1)/(-1+2*x)/(1+x)/(4*x^2+x-1)$  lgdogf  
A193649 8.02082 [  $-(2*x-1)*(x+1)/(x-1)/(4*x^2+x-1)$  ogf]  
A193652 13.1723 [  $-x*(2*x^2-2*x-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A193653 12.3189 [  $-(x^2+2*x-1)/(x-1)/(2*x^2+3*x-1)$  ogf]  
A193653 12.7288  $-2*(1+x)*(x^3+3*x^2-3*x+1)/(x-1)/(2*x^2+3*x-1)/(x^2+2*x-1)$  lgdogf  
A193653 6.70939 [  $\{a(n+3)-4*a(n+2)+a(n+1)+2*a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A193653 8.53923 [  $-(2*x^4+8*x^3-4*x+2)/(2*x^5+5*x^4-4*x^3-8*x^2+6*x-1)$  lgdogf]  
A193654 3.16878 [  $-(8*x^5-4*x^3-4*x^2+2*x+1)/(x+1)/(2*x+1)/(x-1)^2/(2*x-1)^3$  ogf]  
A193655 3.58337 [  $-(4*x^5+8*x^4-9*x^3-3*x^2+2*x+1)/(x+1)/(2*x+1)/(x-1)^2/(2*x-1)^3$  ogf]  
A193656 12.5752 [  $-(2*x-1)/(5*x-1)/(4*x-1)$  ogf]  
A193656 13.8117  $-(7-40*x+40*x^2)/(4*x-1)/(-1+2*x)/(5*x-1)$  lgdogf  
A193656 6.96939 [  $\{-a(n+2)+9*a(n+1)-20*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A193656 8.38346 [  $-(-40*x^2+40*x-7)/(-40*x^3+38*x^2-11*x+1)$  lgdogf]  
A193661 5.27542 [  $\{-a(n+3)+11*a(n+2)-31*a(n+1)+21*a(n), a(0) = 1, a(1) = 3, a(2) = 15\}$ , ogf]  
A193661 8.56815  $-3*(1-12*x-112*x^3+91*x^4+56*x^2)/(x-1)/(3*x-1)/(7*x-1)/(13*x^2-8*x+1)$  lgdogf  
A193661 9.41460 [  $-(13*x^2-8*x+1)/(x-1)/(3*x-1)/(7*x-1)$  ogf]  
A193662 4.60213 [  $(x-2)*(2*x-1)*(x+1)/(x-1)/(4*x^2+x-1)$  ogf]  
A193663 3.29116 [  $\{-a(n+4)+2*a(n+3)+6*a(n+2)-7*a(n+1)-a(n), a(0) = 0, a(1) = 1,$

$a(2) = 1, a(3) = 9\}$ , ogf]  
A193663 6.35689 [  $x*(x^2-x+1)/(x^4+7*x^3-6*x^2-2*x+1)$  ogf]  
A193663 6.49494  $-(-1-14*x-10*x^2+4*x^3+2*x^4+2*x^5+29*x^2)/(x^2-x+1)/(x^4+7*x^3-6*x^2-2*x+1)$  lgdogf  
A193665 3.55643 [  $\{(-n^2-7*n-12)*a(n+1)+(n^3+11*n^2+38*n+40)*a(n+2)+(-n^2-5*n-6)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 33\}$ , ogf]  
A193668 3.47240 [  $\{n^2*a(n)+(-2*n^2-8*n-3)*a(n+1)+(n^2+9*n+15)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 5\}$ , ogf]  
A193669 10.3824  $-(1-4*x^3+3*x^4-8*x^7+4*x^11)/(x-1)/(1+x)/(1+x^2)/(x^2-x+1)/(x^6+x^5-x^3-x^2+1)$  lgdogf  
A193669 14.4187 [  $-(x-1)*(x+1)*(x^2+1)/(x^2-x+1)/(x^6+x^5-x^3-x^2+1)$  ogf]  
A193680 11.2864 [  $-x*(x^4+2*x^3+2*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A193680 8.94962  $-2*(1+2*x^3+3*x^5+5*x^6+x^9+3*x^2+3*x^8)/(x-1)/(1+x)/(x^2+x+1)/(x^2-x+1)/(x^4+2*x^3+2*x+1)$  lgdogf  
A193682 10.7286 [  $-x*(x^6+2*x^5+3*x^4+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A193683 23.7967 [3-exp(x) lgdegf]  
A193683 85.7027 3-exp(x) lgdegf  
A193684 25.2912 [4-exp(x) lgdegf]  
A193684 91.7381 4-exp(x) lgdegf  
A193690 10.2542 [  $(x^2+1)*(x+1)^2/(x^2+x+1)/(x^2-x+1)$  ogf]  
A193690 16.4169  $-2*(x-1)*(x^4+x^3+3*x^2+x+1)/(1+x)/(1+x^2)/(x^2+x+1)/(x^2-x+1)$  lgdogf  
A193690 20.1848 [[ $x^5-x^3-2*x+2$ ] ogf\_with\_Euler\_transform]  
A193695 8.39845 [  $-(x^4+2*x^3+2*x^2+x+1)/(x^5+x^4+x^2+2*x-1)$  ogf]  
A193695 8.97947  $-(3+6*x+6*x^5+8*x^6+3*x^2+4*x^7+x^8)/(x^4+2*x^3+2*x^2+x+1)/(x^5+x^4+x^2+2*x-1)$  lgdogf  
A193703 5.95239 [  $-(4*x^4-x^3+3*x^2-x+1)*(x+1)^2/(4*x^7+3*x^6-x^4+2*x^3+x^2+2*x-1)$  ogf]  
A193744 15.8059 [  $-(x^2-3)/(x-1)/(x^3+x^2-1)$  ogf]  
A193744 17.3634  $-(3+4*x-12*x^3+2*x^5+x^2)/(x-1)/(x^3+x^2-1)/(x^2-3)$  lgdogf  
A193744 9.28799 [  $-(2*x^5-12*x^3+x^2+4*x+3)/(x^6-4*x^4-x^3+4*x^2+3*x-3)$  lgdogf]  
A193764 4.63082 [  $(x^{18}-2*x^{17}+x^{16}-x^{13}+2*x^{12}-3*x^{11}+2*x^{10}+x^9-2*x^8+2*x^6-x^5-2*x^4-2*x^2-2*x-2)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A193765 4.84621 [  $(x^{18}-2*x^{17}+x^{16}-x^{13}+2*x^{12}-3*x^{11}+2*x^{10}+x^9-2*x^8+x^6-2*x^4-2*x^2-x-3)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A193766 10.6242 [  $(x^4+2*x^3+2*x^2+2*x+2)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A193766 9.00696  $-(4+8*x+20*x^3+13*x^4+9*x^5+5*x^6+12*x^2+x^7)/(x-1)/(1+x)/(x^2+1)/(x^4+2*x^3+2*x^2+2*x+2)$  lgdogf  
A193767 7.52492 [  $-(x^{10}-2*x^9+x^8+x^7-x^6-x^5+2*x^4-x^3-x-2)/(x-1)^2$  ogf]  
A193768 7.49199 [  $(x^{10}-2*x^9+x^8+x^7-x^6-x^5+2*x^4-x^3-x+2)/(x-1)^2$  ogf]  
A193771 12.2398 [  $-(6*x^5-3*x^2-1)/(x^6-x^3-x+1)$  lgdogf]  
A193771 22.4948 [  $1/(x-1)/(x^2+1)/(x^3+x^2-1)$  ogf]  
A193779 7.71309 [  $-(-x^{13}-x^{12}-x^{10}-x^7-x^6-x^3-x-1)/(x^{15}-1)$  ogf\_with\_Euler\_transform]  
A193828 10.5130  $-(6-2*x+26*x^3-14*x^4+12*x^5+3*x^6+5*x^2)/(x-1)/(x^2+4*x+1)/(x^2-x+1)/(x^2+1)$  lgdogf  
A193828 7.26703 [  $-2*x*(x^2+4*x+1)*(x^2-x+1)/(x^2+1)^2/(x-1)^3$  ogf]  
A193832 8.53282 [  $-(-x^5-2*x^4-x^3-x^2-2*x-2)/(x^5+x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A193863 12.5863 [  $-(2*x^4-x^3-x+2)/(-x^6-x^4-x^2-1)$  ogf\_with\_Euler\_transform]  
A193866 12.6784  $-(11+59*x+37*x^3+2*x^4+35*x^2)/(x-1)/(1+x)/(x^3+12*x^2+5*x+6)$  lgdogf  
A193866 7.77100 [  $-(-2*x^4-37*x^3-35*x^2-59*x-11)/(-x^5-12*x^4-4*x^3+6*x^2+5*x+6)$  lgdogf]  
A193866 8.72079 [  $-x*(x^3+12*x^2+5*x+6)/(x+1)^2/(x-1)^3$  ogf]  
A193867 11.7838  $-(7+15*x+16*x^3+13*x^4+x^5+44*x^2)/(x-1)/(1+x)/(x^2+1)/(x^2+6*x+1)$  lgdogf  
A193867 8.52829 [  $-(x^2+1)*(x^2+6*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A193868 12.0243  $-(2+14*x+17*x^3+3*x^4+x^5+11*x^2)/(x-1)/(1+x)/(x^4+x^3+4*x^2+x$

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+1) lgdogf
A193868 8.56969 [ -2*(x^4+x^3+4*x^2+x+1)/(x+1)^2/(x-1)^3 ogf]
A193872 13.4066 [ -4*x*(7*x+3)/(x-1)^3 ogf]
A193872 15.8198 [ -(-14*x-16)/(-7*x^2+4*x+3) lgdogf]
A193872 32.4937 -2*(8+7*x)/(7*x+3)/(x-1) lgdogf
A193872 6.99991 [{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 12, a(2) =
64}, ogf]
A193879 5.57131 [
x*(3*x^12+x^11+3*x^10+x^9+12*x^8+x^7+3*x^6+x^5+3*x^4+2*x^3+2*x^2+2*x+2)/
(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]
A193884 14.3937 [ -(x-1)*(x+1)/(x^4-x+1) ogf]
A193884 17.5974 -(1-2*x-4*x^3+2*x^5+x^2)/(x-1)/(1+x)/(x^4-x+1) lgdogf
A193885 11.4477 -(1-2*x-2*x^3+5*x^4-4*x^5+x^6)/(x-1)/(x^2-x+1)/(x^4-
x^3+3*x^2-3*x+1) lgdogf
A193885 9.49553 [ -(x-1)*(x^2-x+1)/(x^4-x^3+3*x^2-3*x+1) ogf]
A193910 13.3958 [ (3*x^2+4*x+2)/(x+1)/(x-1)^2 ogf]
A193910 16.6884 -(6+16*x+3*x^3+11*x^2)/(x-1)/(1+x)/(3*x^2+4*x+2) lgdogf
A193910 7.23138 [{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 2, a(1) = 6, a(2) = 11},
ogf]
A193910 9.96520 [-(3*x^3+11*x^2+16*x+6)/(3*x^4+4*x^3-x^2-4*x-2) lgdogf]
A193911 12.6229 -(2*x^2-2*x-3)*(4*x^3+x^2-2*x-1)/(x-1)/(1+x)/(2*x^2-1)/(x^2-x-1)
lgdogf
A193911 9.67788 [ -(x^2-x-1)/(x+1)/(2*x^2-1)/(x-1)^3 ogf]
A193912 11.8900 -(4+10*x-23*x^3-6*x^4+10*x^5-3*x^2)/(x-1)/(1+x)/(2*x^2-1)/(x^2-
x-1) lgdogf
A193912 9.54333 [ (x^2-x-1)/(x+1)/(2*x^2-1)/(x-1)^4 ogf]
A193930 19.0614 [4*x^3+3*x^2+2*x+1 lgdegf]
A193930 35.2806 1+2*x+3*x^2+4*x^3 lgdegf
A193931 16.0172 [5*x^4+4*x^3+3*x^2+2*x+1 lgdegf]
A193931 26.7388 1+2*x+3*x^2+4*x^3+5*x^4 lgdegf
A193932 13.7313 [6*x^5+5*x^4+4*x^3+3*x^2+2*x+1 lgdegf]
A193932 21.5216 1+2*x+3*x^2+4*x^3+5*x^4+6*x^5 lgdegf
A193933 12.0550 [7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1 lgdegf]
A193933 18.0062 1+2*x+3*x^2+4*x^3+5*x^4+6*x^5+7*x^6 lgdegf
A193941 14.6339 -(1-2*x^3+6*x^5+3*x^2+3*x^8)/(1+x)/(x^2-x+1)/(x^6+x-1) lgdogf
A193941 16.4464 [ -(x+1)*(x^2-x+1)/(x^6+x-1) ogf]
A193941 8.05876 [ -(3*x^8-6*x^5+2*x^3-3*x^2-1)/(-x^9-x^6-x^4+x^3-x+1) lgdogf]
A193942 16.7700 [ -(x^4+1)/(x^8+x-1) ogf]
A193942 17.1441 -(1+4*x^3-3*x^4+4*x^11+8*x^7)/(x^8+x-1)/(1+x^4) lgdogf
A193942 8.05618 [ -(4*x^11+8*x^7-3*x^4+4*x^3+1)/(x^12+x^8+x^5-x^4+x-1) lgdogf]
A193981 13.1596 -(23+116*x+102*x^3+179*x^2)/(x-1)/(1+x)/(17*x^2+11*x+2) lgdogf
A193981 3.86848 [{(n^3+6*n^2+10*n+8)*a(n+1)+(6*n^2+9*n+8)*a(n+2)+(-n^3-n)*a(n
+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2}, ogf]
A193981 6.79695 [ -x^3*(17*x^2+11*x+2)/(x+1)/(x-1)^7 ogf]
A193981 7.99202 [ -(102*x^3+179*x^2+116*x+23)/(17*x^4+11*x^3-15*x^2-11*x-2)
lgdogf]
A193982 4.17513 [ -x^5*(151*x^4+279*x^3+267*x^2+125*x+18)/(x+1)^3/(x-1)^9 ogf]
A193982 7.29841 -(233+1500*x+4948*x^3+3417*x^4+1208*x^5+3814*x^2)/(x-1)/(1+x)/
(151*x^4+279*x^3+267*x^2+125*x+18) lgdogf
A193989 11.6582 (-2-24*x^23+47*x^24+25*x^27-23*x^25-27*x^26)/(x-1)/(x^27-
x^25+x^24+1) lgdogf
A193989 12.0760 [ (x^27-x^25+x^24+1)/(x-1)^2 ogf]
A194006 12.1781 [-4*exp(2*x)+3*exp(3*x)+2*exp(x) lgdegf]
A194006 21.6063 -4*exp(2*x)+3*exp(3*x)+2*exp(x) lgdegf
A194019 18.6048 [-(x^2+x+1)/(x-1) lgdegf]
A194019 4.72504 [{(n^2+5*n+6)*a(n+1)+(n+3)*a(n+2)+(n+4)*a(n+3)-a(n+4), a(0) = 1,
a(1) = 1, a(2) = 3, a(3) = 13}, ogf]
A194019 55.0200 -(1+x+x^2)/(x-1) lgdegf
A194021 4.08401 [ -x^2*(x^7+6*x^6+7*x^5+11*x^4+13*x^3+4*x^2+5*x+1)/(x^2+1)/(x
+1)^2/(x^2+x+1)^2/(x-1)^7 ogf]
A194069 7.41027 [ -(x^4-x^3+2*x^2+x+1)/(x^2+x+1)/(x-1)^3 ogf]

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A194069 9.62629  $-(1+x) \cdot (x^5-x^4+7x^3+3x^2+5x+3)/(x-1)/(x^2+x+1)/(x^4-x^3+2x^2+x+1)$  lgdogf  
A194073 11.1678  $[-(x^3-x^2+2x+1)/(x+1)/(x-1)^3]$  ogf]  
A194073 16.4133  $-(4+6x+x^4+7x^2)/(x-1)/(1+x)/(x^3-x^2+2x+1)$  lgdogf  
A194073 8.75659  $[-(-x^4-7x^2-6x-4)/(-x^5+x^4-x^3-2x^2+2x+1)]$  lgdogf]  
A194082 4.69857  $[-x \cdot (x^{14}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^3]$  ogf]  
A194130 4.39998  $[ \{ (-n-5) \cdot a(n+1) + (n+2) \cdot a(n+4), a(0) = 1, a(1) = 2, a(2) = 1, a(3) = 4 \},$  egf]  
A194130 7.44884  $-2 \cdot (1+x+7x^3+2x^4+3x^5+x^6+6x^2)/(x-1)/(x^2+x+1)/(x^4+2x^3+x^2+2x+1)$  lgdegf  
A194130 7.71503  $[(x^4+2x^3+x^2+2x+1)/(x-1)^2/(x^2+x+1)^2]$  egf]  
A194142 4.43145  $[-(2x^{14}+x^{13}+x^{12}+2x^{11}+x^{10}+x^9+x^8+2x^7+x^6+x^5+x^4+2x^3+x^2+x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^3]$  ogf]  
A194197 5.76318  $[ (3331x^5+161052x^4+578757x^3+317007x^2+19852x+1)/(x-1)^6]$  ogf]  
A194220 12.5145  $[ x^2 \cdot (x^4+x^3+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2]$  ogf]  
A194221 9.35543  $[-x^2 \cdot (x^4+x^3+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^3]$  ogf]  
A194222 13.7453  $-(2+2x+2x^3+7x^4+5x^5+2x^2)/(x-1)/(1+x)/(x^4+x^3+x^2+x+1)$  lgdogf  
A194222 14.1117  $[(x+1)x^2/(x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf]  
A194222 29.5894  $[[x^4-x+2]$  ogf\_with\_Euler\_transform]  
A194222 9.78198  $[-(5x^5+7x^4+2x^3+2x^2+2x+2)/(x^6+x^5-x-1)]$  lgdogf]  
A194223 9.83089  $[ x^2 \cdot (x^8+x^7+x^5+x^2+1)/(x+1)/(x^4-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2]$  ogf]  
A194224 7.70105  $[-x^2 \cdot (x^8+x^7+x^5+x^2+1)/(x+1)/(x^4-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^3]$  ogf]  
A194225 12.3508  $[ x^3 \cdot (x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf]  
A194225 25.7428  $[[x^6-x^2+2]$  ogf\_with\_Euler\_transform]  
A194225 9.11722  $-(2+4x+3x^3+3x^4+3x^5+10x^6+3x^2+8x^7+6x^8)/(x-1)/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A194226 24.2741  $[[x^6-x^2+3]$  ogf\_with\_Euler\_transform]  
A194226 8.51621  $-(3+6x+6x^3+6x^4+6x^5+13x^6+6x^2+10x^7+7x^8)/(x-1)/(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  lgdogf  
A194226 9.46549  $[-x^3 \cdot (x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3]$  ogf]  
A194227 12.4756  $[ x^2 \cdot (x^3+x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2]$  ogf]  
A194228 9.60819  $[-x^2 \cdot (x^3+x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3]$  ogf]  
A194229 10.1326  $[-x \cdot (x^2+x+1) \cdot (x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3]$  ogf]  
A194229 24.7620  $[x^6-x^5+x+2]$  ogf\_with\_Euler\_transform]  
A194235 8.04499  $[ x^3 \cdot (x^{11}+x^{10}+x^9+x^7+x^3+x^2+1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2]$  ogf]  
A194236 6.48844  $[-x^3 \cdot (x^{11}+x^{10}+x^9+x^7+x^3+x^2+1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^3]$  ogf]  
A194237 8.52375  $[ x \cdot (x^{13}+x^{11}+x^{10}+x^8+x^5+x^3+1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^2]$  ogf]  
A194238 6.89697  $[ -x \cdot (x^{13}+x^{11}+x^{10}+x^8+x^5+x^3+1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)/(x-1)^3]$  ogf]  
A194268 11.6155  $[-(2x^2+30x+16)/(2x^3+11x^2-12x-1)]$  lgdogf]  
A194268 12.7395  $[-(2x^2+13x+1)/(x-1)^3]$  ogf]  
A194268 21.5224  $-2 \cdot (8+15x+x^2)/(x-1)/(2x^2+13x+1)$  lgdogf  
A194268 6.92853  $[ \{ a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = 1, a(1) = 16, a(2) = 47 \},$  ogf]  
A194272 12.6413  $[-(5x^3-3x^2+2)/(x^4-x^3+x-1)]$  lgdogf]  
A194272 16.2191  $[ 1/(x+1)/(x^2-x+1)/(x-1)^2]$  ogf]  
A194272 22.1712  $-(2+5x^3-3x^2)/(x-1)/(1+x)/(x^2-x+1)$  lgdogf  
A194272 29.5448  $[x^5-x^2+2]$  ogf\_with\_Euler\_transform]  
A194273 11.9577  $[-(-6x^3+3x^2-3)/(-x^4+x^3-x+1)]$  lgdogf]  
A194273 13.3299  $[-x/(x+1)/(x^2-x+1)/(x-1)^3]$  ogf]  
A194273 20.5396  $-3 \cdot (-x^2+1+2x^3)/(x-1)/(1+x)/(x^2-x+1)$  lgdogf  
A194273 27.9131  $[x^5-x^2+3]$  ogf\_with\_Euler\_transform]

A194274 11.1494 [  $-x^*(x+1)/(x^2+1)/(x-1)^3$  ogf]  
A194274 14.5341 [  $-(-4*x^3-4*x^2-4)/(-x^4+1)$  lgdogf]  
A194274 23.5882 [  $-4*(1+x^2+x^3)/(x-1)/(1+x)/(x^2+1)$  lgdogf]  
A194274 27.9312 [  $[[x^3-2*x+4]$  ogf\_with\_Euler\_transform]  
A194275 10.0966 [  $-x*(x^2+3*x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A194275 14.1408 [  $-(5+10*x+14*x^3+3*x^4+13*x^2)/(x-1)/(x^2+x+1)/(x^2+3*x+1)$  lgdogf]  
A194275 8.26082 [  $-(3*x^4+14*x^3+13*x^2+10*x+5)/(x^5+3*x^4+x^3-x^2-3*x-1)$  lgdogf]  
A194350 10.6960 [  $-(5*x^3+2*x^2+x+1)/(10*x^4-1)$  ogf]  
A194350 8.42367 [  $-(1+4*x+40*x^3+30*x^4+40*x^5+50*x^6+15*x^2)/(5*x^3+2*x^2+x+1)/(10*x^4-1)$  lgdogf]  
A194353 27.2961 [  $1/(1-4*x)^{(1/2)}$  ogf\_with\_Euler\_transform]  
A194372 6.51959 [  $2*(x+1)*(x^9+x^8+x^7+x^6+x^4+x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A194374 3.58549 [  $4*(14*x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A194379 5.82083 [  $2*(x^{11}+x^{10}+x^9+3*x^8+x^7+x^6+x^5+x^4+6*x^3+x^2+6*x+1)/(x+1)/(x^4-x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x-1)^2$  ogf]  
A194385 3.60807 [  $6*(32*x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A194386 5.81830 [  $-(x^{31}-x^{30}+x^{26}-x^{25}+x^{21}-x^{20}+x^{16}-x^{15}+x^{11}-x^{10}+x^6-x^5-1)/(x-1)^2$  ogf]  
A194388 7.46243 [  $2*(2*x^8+x^7+x^6+2*x^5+x^4+x^3+5*x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A194390 6.75401 [  $2*(8*x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A194391 7.54284 [  $(x+1)*(x^{14}-x^{13}+x^{12}-x^{11}+x^{10}-x^9+x^8+1)/(x^2+x+1)/(x^{12}-x^{11}+x^9-x^8+x^6-x^4+x^3-x+1)/(x-1)^2$  ogf]  
A194408 9.50833 [  $(13-11*x+12*x^3-21*x^4+9*x^5-17*x^9+9*x^8+8*x^{10})/(x-1)/(x^{10}-x^9+3*x^5-3*x^4+5*x^2+x-7)$  lgdogf]  
A194408 9.92502 [  $-(x^{10}-x^9+3*x^5-3*x^4+5*x^2+x-7)/(x-1)^2$  ogf]  
A194431 11.6708 [  $-(-x^2+30*x+19)/(-x^3+17*x^2-15*x-1)$  lgdogf]  
A194431 12.8002 [  $(x^2-16*x-1)/(x-1)^3$  ogf]  
A194431 22.8991 [  $-(-19-30*x+x^2)/(x-1)/(x^2-16*x-1)$  lgdogf]  
A194431 6.96152 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 19, a(2) = 53\}$ , ogf]  
A194454 11.0869 [  $-((11*x^2+46*x+15)/(11*x^3+x^2-11*x-1)$  lgdogf]  
A194454 12.1428 [  $-(x+1)*(11*x+1)/(x-1)^3$  ogf]  
A194454 19.7406 [  $-(15+46*x+11*x^2)/(x-1)/(11*x+1)/(1+x)$  lgdogf]  
A194454 6.71048 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 15, a(2) = 53\}$ , ogf]  
A194455 11.5903 [  $(3*x^2+2*x-2)/(2*x-1)/(x-1)^2$  ogf]  
A194455 13.3298 [  $-2*(3-10*x+3*x^3+7*x^2)/(x-1)/(-1+2*x)/(3*x^2+2*x-2)$  lgdogf]  
A194455 6.25673 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 2, a(1) = 6, a(2) = 11\}$ , ogf]  
A194455 8.62209 [  $-((6*x^3+14*x^2-20*x+6)/(6*x^4-5*x^3-7*x^2+8*x-2)$  lgdogf]  
A194460 3.44904 [  $\{(-16*n^2-72*n-80)*a(n+1)+(8*n^2+38*n+36)*a(n+2)+(-n^2-5*n-4)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 18\}$ , ogf]  
A194475 13.4058 [  $-(-17-74*x+12*x^3-26*x^2)/(x-1)/(3*x^3-7*x^2-10*x-1)$  lgdogf]  
A194475 3.62770 [  $\{(-40*n^2+54*n+856)*a(n+1)+(473*n^2+3987*n+10042)*a(n+2)+(-433*n^2-1683*n-1634)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 17\}$ , ogf]  
A194475 6.43093 [  $x*(3*x^3-7*x^2-10*x-1)/(x-1)^7$  ogf]  
A194475 8.32238 [  $-((-12*x^3+26*x^2+74*x+17)/(-3*x^4+10*x^3+3*x^2-9*x-1)$  lgdogf]  
A194476 10.7143 [  $-(-38-206*x+58*x^3+5*x^4-134*x^2)/(x-1)/(x^4+9*x^3-23*x^2-20*x-2)$  lgdogf]  
A194476 4.88260 [  $3*x^2*(x^4+9*x^3-23*x^2-20*x-2)/(x-1)^9$  ogf]  
A194476 6.76052 [  $-((5*x^4+58*x^3-134*x^2-206*x-38)/(x^5+8*x^4-32*x^3+3*x^2+18*x+2)$  lgdogf]  
A194477 3.76883 [  $-3*x^3*(9*x^5-51*x^4-54*x^3+238*x^2+160*x+13)/(x-1)^{11}$  ogf]  
A194477 7.71084 [  $-3*(101+692*x-212*x^3-104*x^4+18*x^5+660*x^2)/(x-1)/(9*x^5-51*x^4-54*x^3+238*x^2+160*x+13)$  lgdogf]  
A194481 11.3402 [  $-(69+208*x-14*x^3+5*x^4+47*x^2)/(x-1)/(x^4-3*x^3+8*x^2+24*x+5)$  lgdogf]

A194481 4.92888 [  $-3*x^2*(x^4-3*x^3+8*x^2+24*x+5)/(x-1)^9$  ogf]  
A194481 6.82461 [  $-(5*x^4-14*x^3+47*x^2+208*x+69)/(x^5-4*x^4+11*x^3+16*x^2-19*x-5)$  lgdogf]  
A194482 3.48852 [  $-3*x^2*(x^6+11*x^5-31*x^4+85*x^3+191*x^2+56*x+2)/(x-1)^{11}$  ogf]  
A194482 6.80279 [  $-(78+942*x+556*x^3-162*x^4+72*x^5+5*x^6+1974*x^2)/(x-1)/(x^6+11*x^5-31*x^4+85*x^3+191*x^2+56*x+2)$  lgdogf]  
A194486 12.6723 [  $-(-13+4*x+4*x^3+2*x^4-12*x^2)/(x-1)/(2*x^4-2*x^3-2*x^2+2*x-3)$  lgdogf]  
A194486 7.91921 [  $x*(2*x^4-2*x^3-2*x^2+2*x-3)/(x-1)^5$  ogf]  
A194486 8.71113 [  $-(-2*x^4-4*x^3+12*x^2-4*x+13)/(-2*x^5+4*x^4-4*x^2+5*x-3)$  lgdogf]  
A194487 4.27155 [  $-x*(4*x^9-12*x^8+22*x^7-40*x^6+50*x^5-50*x^4+36*x^3-x^2+5*x+1)/(x-1)^7$  ogf]  
A194493 4.80187 [  $-2*x^4*(18*x^5+40*x^4+51*x^3+42*x^2+23*x+6)/(x^2+x+1)/(x+1)^3/(x-1)^7$  ogf]  
A194508 11.4460 [  $-(x^4-2*x^3+x^2-2*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A194508 9.13476 [  $-(-1+x+2*x^3+4*x^4-10*x^5+3*x^6-6*x^2-5*x^7+2*x^8)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4-2*x^3+x^2-2*x+1)$  lgdogf]  
A194509 10.3873 [  $-2*x*(1+2*x^2+3*x^3-2*x^4+2*x^5-x-x^6+x^7)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  lgdogf]  
A194509 11.4460 [  $(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A194509 30.3066 [  $-x^9+2*x^4+x$  ogf\_with\_Euler\_transform]  
A194510 9.82126 [  $-(2*x^6-3*x^5+2*x^4-3*x^3+2*x^2+2*x-3)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A194511 9.55646 [  $(x^3-x^2+1)*(x^3+x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A194512 8.50919 [  $-(3*x^8-4*x^7+3*x^6-4*x^5+3*x^4+3*x^3-4*x^2+3*x-4)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A194513 8.27606 [  $(x^8-x^7+x^6-x^5+x^4+x^3-x^2+x-1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A194514 10.0403 [  $-(x^6-3*x^5+x^4+x^3+x^2-3*x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A194515 9.70126 [  $(x^6-2*x^5+x^4+x^3+x^2-2*x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A194516 9.55864 [  $(2*x^7-3*x^6+2*x^5-3*x^4+2*x^3+2*x^2-3*x+2)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A194517 9.17654 [  $-(x^3+x-1)*(x^4-2*x^3+x-1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A194518 7.61782 [  $-(2*x^9+2*x^8-5*x^7+2*x^6+2*x^5-5*x^4+2*x^3+2*x^2-5*x+2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A194519 7.77848 [  $(x^9+x^8-2*x^7+x^6+x^5-2*x^4+x^3+x^2-2*x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A194520 6.76629 [  $-(3*x^{10}-x^9-3*x^8+5*x^7-3*x^6-3*x^5+5*x^4-3*x^3-3*x^2+5*x-3)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A194521 6.81087 [  $(2*x^{10}-x^9-x^8-2*x^7+3*x^6-x^5+2*x^4-x^3-x^2+2*x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A194522 8.42330 [  $-(x^8+x^7-4*x^6+x^5+x^4+x^3-4*x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A194523 8.54778 [  $(x^2-x+1)*(x^6+2*x^5-2*x^4-3*x^3+2*x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A194524 7.00870 [  $(2*x^{10}-5*x^9+2*x^8+2*x^7+2*x^6-5*x^5+2*x^4+2*x^3-5*x^2+2*x+2)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A194525 6.48020 [  $-(x^{10}-3*x^9+x^8+x^7+x^6-3*x^5+x^4+x^3-3*x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A194526 6.43007 [  $(2*x^{11}-3*x^{10}-x^9+5*x^8-x^7-x^6-x^5-x^4-x^3+5*x^2-x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A194527 6.85734 [  $-(x^{11}-2*x^{10}-x^9+4*x^8-x^7-x^6-x^5-x^4-x^3+4*x^2-x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A194585 5.66867 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2184, a(1) = 27830, a(2) = 32214\}$ , ogf]  
A194585 9.62875 [  $-(13915+18299*x+1100*x^3+26746*x^2)/(x-1)/(1+x)/(1100*x^2+12823*x+1092)$  lgdogf]  
A194585 9.82037 [  $2*(1100*x^2+12823*x+1092)/(x+1)/(x-1)^2$  ogf]

A194589 7.08651 [I/x/(3\*x-1)^(1/2)/(x+1)^(1/2)-(9\*x^2+2\*x-1)/(3\*x-1)/(x+1)/x  
lgdogf]  
A194590 3.74626 [{(8\*n+24)\*a(n+1)+(4\*n+12)\*a(n+2)+(-2\*n-8)\*a(n+3)+(-n-4)\*a(n+4),  
a(0) = 0, a(1) = 0, a(2) = 1, a(3) = -2}, ogf]  
A194597 8.14913 [- (9\*x^8+3\*x^7+x^6+3\*x^5+9\*x^4+x^3+6\*x^2+6\*x+1)/(x-1)/(x^2+x  
+1)/(x^6+x^3+1) ogf]  
A194599 9.36384 [- (3\*x^8+x^6+6\*x^5+5\*x^4+8\*x^3+5\*x^2+6\*x+1)/(x-1)/(x+1)/  
(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) ogf]  
A194605 4.36924 [ 8\*x^3\*(x^6+30\*x^5-75\*x^4-335\*x^3-750\*x^2-1131\*x-260)/(x-1)^9  
ogf]  
A194628 9.63574 [ (x^13+x^8+x^7-x^6-x^2-x+1)/(3\*x^7-x^6-2\*x+1) ogf]  
A194629 8.57757 [ (x^15+x^9+x^8-x^7-x^2-x+1)/(3\*x^8-x^7-2\*x+1) ogf]  
A194630 8.60045 [ (x^17+x^10+x^9-x^8-x^2-x+1)/(3\*x^9-x^8-2\*x+1) ogf]  
A194633 6.69707 [ (x^2+x-1)\*(x^13-x^12-x^2-x+1)/(x-1)/  
(3\*x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3-x^2-2\*x+1) ogf]  
A194641 8.03620 [- (9\*x^8+4\*x^7+4\*x^6+9\*x^5+x^4+7\*x^3+9\*x^2+7\*x+1)/(x-1)/(x^2+x  
+1)/(x^6+x^3+1) ogf]  
A194642 5.51019 [-  
(4\*x^13+3\*x^12+7\*x^11+6\*x^10+5\*x^8-5\*x^6+5\*x^4+4\*x^3+8\*x^2+7\*x+1)/(x-1)/(x^2+1)/  
(x^4+x^3+x^2+x+1)/(x^8-x^6+x^4-x^2+1) ogf]  
A194644 10.9861 -(16-102\*x-120\*x^3+27\*x^4+200\*x^2)/(3\*x-1)/(x^2-3\*x+1)/  
(9\*x^2-20\*x+6) lgdogf  
A194644 11.8650 [-2\*(9\*x^2-20\*x+6)/(3\*x-1)/(x^2-3\*x+1) ogf]  
A194644 6.64851 [{-a(n+3)+6\*a(n+2)-10\*a(n+1)+3\*a(n), a(0) = 12, a(1) = 32, a(2)  
= 90}, ogf]  
A194644 6.88596 [-(-27\*x^4+120\*x^3-200\*x^2+102\*x-16)/  
(-27\*x^5+150\*x^4-272\*x^3+189\*x^2-56\*x+6) lgdogf]  
A194645 6.82693 [-4\*(84\*x^4-234\*x^3+210\*x^2-71\*x+8)/(x-1)/(3\*x-1)/(4\*x-1)/  
(2\*x^2-4\*x+1) ogf]  
A194650 11.7687 -2\*(-34-11\*x-11\*x^3+2\*x^4+24\*x^2)/(x-1)/  
(4\*x^4-19\*x^3+35\*x^2-23\*x-9) lgdogf  
A194650 7.61835 [ x^2\*(4\*x^4-19\*x^3+35\*x^2-23\*x-9)/(x-1)^5 ogf]  
A194650 7.76486 [-(-4\*x^4+22\*x^3-48\*x^2+22\*x+68)/  
(-4\*x^5+23\*x^4-54\*x^3+58\*x^2-14\*x-9) lgdogf]  
A194651 5.12778 [-x^3\*(15\*x^6-89\*x^5+196\*x^4-140\*x^3-119\*x^2+169\*x+88)/(x-1)^7  
ogf]  
A194652 3.73464 [  
x^3\*(54\*x^9-384\*x^8+1052\*x^7-1263\*x^6+657\*x^5-1434\*x^4+4154\*x^3-3567\*x^2-917\*x-3  
2)/(x-1)^9 ogf]  
A194698 16.2561 [ x^12/(x+1)/(x^2+1)/(x^8-x^4+1)/(x^2+x+1)/(x^2-x+1)/(x^4-  
x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A194713 13.1924 [ -13\*x\*(3\*x+1)/(x-1)^3 ogf]  
A194713 16.2157 [-(-6\*x-6)/(-3\*x^2+2\*x+1) lgdogf]  
A194713 34.8767 -6\*(1+x)/(3\*x+1)/(x-1) lgdogf  
A194713 6.88809 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 13, a(2) =  
78}, ogf]  
A194715 18.6438 [-15\*x/(x-1)^3 ogf]  
A194715 30.6291 [3/(-x+1) lgdogf]  
A194715 65.5917 [[3] ogf\_with\_Euler\_transform]  
A194715 7.58951 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 15, a(2) =  
45}, ogf]  
A194716 14.8525 -(35+187\*x+5\*x^3+109\*x^2)/(x-1)/(5\*x^3+47\*x^2+31\*x+1) lgdogf  
A194716 4.56007 [{(-9791\*n^2-3871\*n)\*a(n)+(15354\*n^2-1464\*n+62510)\*a(n  
+1)+(-5563\*n^2-7349\*n-1786)\*a(n+2), a(0) = 0, a(1) = 1}, ogf]  
A194716 9.06833 [- (5\*x^3+109\*x^2+187\*x+35)/(5\*x^4+42\*x^3-16\*x^2-30\*x-1) lgdogf]  
A194716 9.61461 [ x\*(5\*x^3+47\*x^2+31\*x+1)/(x-1)^4 ogf]  
A194717 10.6283 -2\*(63+803\*x+339\*x^3+7\*x^4+1308\*x^2)/(x-1)/  
(14\*x^4+311\*x^3+561\*x^2+121\*x+1) lgdogf  
A194717 6.96135 [-(-14\*x^4-678\*x^3-2616\*x^2-1606\*x-126)/  
(-14\*x^5-297\*x^4-250\*x^3+440\*x^2+120\*x+1) lgdogf]  
A194717 7.61808 [-x\*(14\*x^4+311\*x^3+561\*x^2+121\*x+1)/(x-1)^5 ogf]

A194718 6.11771 [  $x^*(42x^5+2055x^4+8102x^3+5184x^2+456x+1)/(x-1)^6$  ogf]  
A194718 8.05282  $-6*(77+2108x+5421x^2+720x^3+720x^4+7x^5+7507x^2)/(x-1)/(42x^5+2055x^4+8102x^3+5184x^2+456x+1)$  lgdogf  
A194719 4.89022 [  $-x*(132x^6+13665x^5+104077x^4+146714x^3+42582x^2+1709x+1)/(x-1)^7$  ogf]  
A194720 3.90626 [  $x*(429x^7+91803x^6+1251089x^5+3329195x^4+2198375x^3+329881x^2+6427x+1)/(x-1)^8$  ogf]  
A194721 3.44101 [  $-x*(1430x^8+624055x^7+14462017x^6+66140687x^5+82769773x^4+29532493x^3+2481083x^2+24301x+1)/(x-1)^9$  ogf]  
A194723 13.0645  $-1/2*(6I^*x-I+(-1+8x)^{(1/2)})/(9x-1)/(-1+8x)^{(1/2)}/x$  lgdogf  
A194723 3.30888 [  $\{(432n^2+216n)*a(n)+(-174n^2-384n-216)*a(n+1)+(23n^2+85n+78)*a(n+2)+(-n^2-5n-6)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 5\}$ , ogf]  
A194724 3.40015 [  $\{(-1536n^2-768n)*a(n)+(416n^2+976n+576)*a(n+1)+(-36n^2-138n-132)*a(n+2)+(n^2+5n+6)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 7\}$ , ogf]  
A194725 3.34487 [  $\{(4000n^2+2000n)*a(n)+(-810n^2-1980n-1200)*a(n+1)+(51n^2+201n+198)*a(n+2)+(-n^2-5n-6)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 9\}$ , ogf]  
A194726 3.16882 [  $\{(-8640n^2-4320n)*a(n)+(1392n^2+3504n+2160)*a(n+1)+(-68n^2-274n-276)*a(n+2)+(n^2+5n+6)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 11\}$ , ogf]  
A194727 2.97050 [  $\{(-16464n^2-8232n)*a(n)+(2198n^2+5656n+3528)*a(n+1)+(-87n^2-357n-366)*a(n+2)+(n^2+5n+6)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 13\}$ , ogf]  
A194728 3.06067 [  $\{(28672n^2+14336n)*a(n)+(-3264n^2-8544n-5376)*a(n+1)+(108n^2+450n+468)*a(n+2)+(-n^2-5n-6)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 15\}$ , ogf]  
A194729 3.15017 [  $\{(-46656n^2-23328n)*a(n)+(4626n^2+12276n+7776)*a(n+1)+(-131n^2-553n-582)*a(n+2)+(n^2+5n+6)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 17\}$ , ogf]  
A194731 8.03620 [  $-(9x^8+5x^7+7x^6+6x^5+2x^4+4x^3+3x^2+8x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A194732 7.81986 [  $-(5x^8+6x^7+3x^6+6x^5+5x^4+x^2+8x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A194754 5.83205 [  $-(x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7-7x^6-6x^5-5x^4-4x^3-3x^2-2x-1)/(x-1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)^2$  ogf]  
A194755 8.32179 [  $x^7*(x^6+2x^5+3x^4+4x^3+5x^2+6x+7)/(x-1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)^2$  ogf]  
A194756 6.18534 [  $(x^{12}+2x^{11}+3x^{10}+4x^9+5x^8+6x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)^2$  ogf]  
A194757 9.69781 [  $x^*(6x^5+5x^4+4x^3+3x^2+2x+1)/(x-1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)^2$  ogf]  
A194767 4.55933 [  $-2*(x^6+3x^5+2x^4+7x^3+6x^2+x+1)/(x-1)^3/(x^2+x+1)^3$  ogf]  
A194770 11.3008 [  $-(2x+1)/(x^2+x+1)$  lgdegf]  
A194770 16.4376 [  $1/(x^2+x+1)$  egf]  
A194770 3.84709 [  $\{(-n^2-5n-6)*a(n+1)+(-n-3)*a(n+2)-a(n+3), a(0) = 1, a(1) = -1, a(2) = 0\}$ , ogf]  
A194770 32.0517  $-(2x+1)/(x^2+1+x)$  lgdegf  
A194772 6.98687  $-(-17+3x-17x^3-50x^4+4x^5+24x^6+57x^2)/(x-1)/(-1+2x)/(1+x)/(12x^4+4x^3-17x^2-4x+7)$  lgdogf  
A194772 7.62193 [  $-(12x^4+4x^3-17x^2-4x+7)/(x-1)/(2x-1)^2/(x+1)^2$  ogf]  
A194773 3.83732 [  $-(153x^8+318x^7-310x^6-706x^5+303x^4+486x^3-174x^2-110x+43)/(x-1)/(3x^2+x-1)^2/(x^2+x-1)^2$  ogf]  
A194825 8.03620 [  $-(9x^8+6x^7+x^6+3x^5+3x^4+x^3+6x^2+9x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A194826 5.51019 [  $-(6x^{13}+9x^{12}+9x^{11}+6x^{10}-5x^8-5x^6+5x^4+6x^3+4x^2+9x+1)/(x-1)/(x^2+1)/$

$(x^4+x^3+x^2+x+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A194880 11.2721  $-( -1-8*x-5*x^3-11*x^4-3*x^5-15*x^2+x^7)/(x-1)/(x^2+x+1)/(x^6+x^5-3*x^3-4*x^2-x-1)$  lgdogf  
A194880 5.21950 [  $\{(-n-4)*a(n)+(n+1)*a(n+3), a(0) = 0, a(1) = -1, a(2) = -1, a(3) = -4, a(4) = -5\}$ , ogf]  
A194880 8.04418 [  $x*(x^6+x^5-3*x^3-4*x^2-x-1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A194886 7.48710 [  $-(7*x^8+2*x^7+5*x^6+6*x^5+5*x^4+2*x^3+7*x^2+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A194888 7.16684 [  $(192*x^5-80*x^4-96*x^3-6*x^2+3*x-1)/(4*x-1)/(2*x-1)/(8*x^2-1)$  ogf]  
A194932 12.4002 [  $(2*x^3+16*x^2+89*x+64)/(x-1)^2$  ogf]  
A194932 14.6900  $(-217-121*x+2*x^3-6*x^2)/(x-1)/(2*x^3+16*x^2+89*x+64)$  lgdogf  
A194932 6.55879 [  $\{a(n+4)-2*a(n+3)+a(n+2), a(0) = 64, a(1) = 217, a(2) = 386, a(3) = 557\}$ , ogf]  
A194932 9.01833 [  $(-2*x^3+6*x^2+121*x+217)/(2*x^4+14*x^3+73*x^2-25*x-64)$  lgdogf]  
A194933 7.67680  $(-5873-7329*x+176*x^3+54*x^4+6*x^5-912*x^2)/(x-1)/(2*x^5+32*x^4+304*x^3+1752*x^2+3825*x+1024)$  lgdogf  
A194933 8.17758 [  $(2*x^5+32*x^4+304*x^3+1752*x^2+3825*x+1024)/(x-1)^2$  ogf]  
A194934 5.64668 [  $(2*x^7+64*x^6+1008*x^5+9052*x^4+60956*x^3+226904*x^2+278555*x+32768)/(x-1)^2$  ogf]  
A194935 3.75605 [  $(2*x^9+128*x^8+3556*x^7+53564*x^6+523996*x^5+3770536*x^4+18911836*x^3+51826628*x^2+39142705*x+2097152)/(x-1)^2$  ogf]  
A194952 4.48699 [  $-6*(48*x^5-34*x^4-65*x^3+32*x^2+19*x-8)/(x-1)/(3*x-1)/(2*x+1)/(x+1)/(2*x-1)^2$  ogf]  
A194960 12.5379 [  $-(2*x^3-x^2-x-1)/(x^2+x+1)/(x-1)^2$  ogf]  
A194960 16.6255  $-2*(-1-2*x-x^3+x^5)/(x-1)/(x^2+x+1)/(2*x^3-x^2-x-1)$  lgdogf  
A194960 5.27511 [  $\{(n+8)*a(n+1)+a(n+2)+a(n+3)+(-n-7)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 2\}$ , ogf]  
A194960 9.01165 [  $-(2*x^5-2*x^3-4*x-2)/(2*x^6-x^5-x^4-3*x^3+x^2+x+1)$  lgdogf]  
A194990 7.89595 [  $-(x^{17}-x^{16}-x^{14}-x^{11}-x^8-x^5-x^2-1)/(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A194999 10.3600 [  $-(x^3-3*x^2-12*x-10)/(-x^4-x^3-6*x^2+7*x+1)$  lgdogf]  
A194999 13.7019 [  $2*(x^3+2*x^2+8*x+1)/(x-1)^2$  ogf]  
A194999 18.9480  $(-10-12*x+x^3-3*x^2)/(x-1)/(x^3+2*x^2+8*x+1)$  lgdogf  
A194999 7.26083 [  $\{a(n+4)-2*a(n+3)+a(n+2), a(0) = 2, a(1) = 20, a(2) = 42, a(3) = 66\}$ , ogf]  
A195000 10.1227 [  $2*(x^5+2*x^4+21*x^3+45*x^2+38*x+1)/(x-1)^2$  ogf]  
A195000 10.7389  $(-40-128*x+3*x^5-x^4+13*x^3-63*x^2)/(x-1)/(x^5+2*x^4+21*x^3+45*x^2+38*x+1)$  lgdogf  
A195001 7.30620 [  $2*(x^7+2*x^6+39*x^5+84*x^4+493*x^3+570*x^2+286*x+1)/(x-1)^2$  ogf]  
A195002 5.62506 [  $2*(x^9+2*x^8+73*x^7+152*x^6+1545*x^5+3985*x^4+11769*x^3+10914*x^2+2302*x+1)/(x-1)^2$  ogf]  
A195003 4.16677 [  $2*(x^{11}+2*x^{10}+139*x^9+284*x^8+5063*x^7+11198*x^6+83846*x^5+168940*x^4+423351*x^3+251057*x^2+34814*x+1)/(x-1)^2$  ogf]  
A195013 13.2519 [  $-(9*x^2+8*x+3)/(3*x^3+2*x^2-3*x-2)$  lgdogf]  
A195013 17.3086 [  $(3*x+2)/(x-1)^2/(x+1)^2$  ogf]  
A195013 24.4483  $-(3+8*x+9*x^2)/(x-1)/(3*x+2)/(x+1)$  lgdogf  
A195013 4.28344 [  $\{(-2*n-8)*a(n+4)+(-6-3*n)*a(n+3)+(12+2*n)*a(n+2)+(12+3*n)*a(n+1), a(0) = 2, a(1) = 3, a(2) = 4, a(3) = 6\}$ , ogf]  
A195014 11.1501 [  $-x*(3*x+2)/(x+1)^2/(x-1)^3$  ogf]  
A195014 12.3327 [  $(-12*x^2-13*x-5)/(-3*x^3-2*x^2+3*x+2)$  lgdogf]  
A195014 22.2806  $-(5+13*x+12*x^2)/(x-1)/(3*x+2)/(x+1)$  lgdogf  
A195014 4.13175 [  $\{(6+2*n)*a(n+4)+(1+3*n)*a(n+3)+(-15-2*n)*a(n+2)+(-12-3*n)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 5, a(3) = 9\}$ , ogf]  
A195015 11.4200 [  $(-12*x^2-12*x-6)/(-4*x^3-x^2+4*x+1)$  lgdogf]  
A195015 13.2231 [  $-2*x*(4*x+1)/(x+1)/(x-1)^3$  ogf]

A195015 20.6194  $-6*(1+2*x+2*x^2)/(x-1)/(4*x+1)/(x+1)$  lgdogf  
A195016 11.4777  $[-(-9*x^2-34*x-17)/(-3*x^3-7*x^2+3*x+7)]$  lgdogf]  
A195016 13.2899  $[-x*(3*x+7)/(x+1)/(x-1)^3$  ogf]  
A195016 20.7251  $-(17+34*x+9*x^2)/(x-1)/(3*x+7)/(x+1)$  lgdogf  
A195018 13.2107  $[-x*(13*x+7)/(x-1)^3$  ogf]  
A195018 15.0240  $[-(-26*x-34)/(-13*x^2+6*x+7)]$  lgdogf]  
A195018 27.9633  $-2*(17+13*x)/(13*x+7)/(x-1)$  lgdogf  
A195018 6.84127  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 34}]$ ,  
ogf]  
A195019 12.4766  $[-(12*x^2+12*x+4)/(4*x^3+3*x^2-4*x-3)]$  lgdogf]  
A195019 16.8053  $[(4*x+3)/(x-1)^2/(x+1)^2$  ogf]  
A195019 22.4117  $-4*(1+3*x+3*x^2)/(x-1)/(4*x+3)/(x+1)$  lgdogf  
A195020 10.7158  $[-x*(4*x+3)/(x+1)^2/(x-1)^3$  ogf]  
A195020 11.8524  $[-(-16*x^2-19*x-7)/(-4*x^3-3*x^2+4*x+3)]$  lgdogf]  
A195020 21.4050  $-(7+19*x+16*x^2)/(x-1)/(4*x+3)/(x+1)$  lgdogf  
A195020 3.95079  $[{(9+3*n)*a(n+4)+(1+4*n)*a(n+3)+(-22-3*n)*a(n+2)+(-16-4*n)*a(n$   
 $+1), a(0) = 0, a(1) = 3, a(2) = 7, a(3) = 13}]$ , ogf]  
A195021 13.5974  $[-x*(25*x+3)/(x-1)^3$  ogf]  
A195021 15.1663  $[-(-50*x-34)/(-25*x^2+22*x+3)]$  lgdogf]  
A195021 28.7939  $-2*(17+25*x)/(25*x+3)/(x-1)$  lgdogf  
A195021 7.04150  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 34}]$ ,  
ogf]  
A195023 13.0919  $[-2*x*(9*x+5)/(x-1)^3$  ogf]  
A195023 15.4485  $[-(-18*x-24)/(-9*x^2+4*x+5)]$  lgdogf]  
A195023 31.7201  $-6*(4+3*x)/(9*x+5)/(x-1)$  lgdogf  
A195023 6.83560  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 10, a(2) =$   
 $48}]$ , ogf]  
A195024 13.0919  $[-x*(15*x+13)/(x-1)^3$  ogf]  
A195024 14.8543  $[-(30*x+54)/(15*x^2-2*x-13)]$  lgdogf]  
A195024 29.2801  $-6*(9+5*x)/(15*x+13)/(x-1)$  lgdogf  
A195024 6.83560  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 13, a(2) =$   
 $54}]$ , ogf]  
A195025 13.0919  $[-x*(11*x+17)/(x-1)^3$  ogf]  
A195025 14.8543  $[-(22*x+62)/(11*x^2+6*x-17)]$  lgdogf]  
A195025 27.1886  $-2*(31+11*x)/(11*x+17)/(x-1)$  lgdogf  
A195025 6.83560  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 17, a(2) =$   
 $62}]$ , ogf]  
A195026 14.2666  $[-7*x*(x+3)/(x-1)^3$  ogf]  
A195026 16.8870  $[-(2*x+10)/(x^2+2*x-3)]$  lgdogf]  
A195026 38.0641  $-2*(5+x)/(x+3)/(x-1)$  lgdogf  
A195026 7.32269  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 21, a(2) =$   
 $70}]$ , ogf]  
A195027 13.3176  $[-4*x*(x+6)/(x-1)^3$  ogf]  
A195027 15.7637  $[-(2*x+19)/(x^2+5*x-6)]$  lgdogf]  
A195027 36.2515  $-(19+2*x)/(x+6)/(x-1)$  lgdogf  
A195027 6.83560  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 24, a(2) =$   
 $76}]$ , ogf]  
A195028 13.3817  $[-x*(x+27)/(x-1)^3$  ogf]  
A195028 15.2184  $[-(2*x+82)/(x^2+26*x-27)]$  lgdogf]  
A195028 34.7725  $-2*(41+x)/(x+27)/(x-1)$  lgdogf  
A195028 6.86846  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 27, a(2) =$   
 $82}]$ , ogf]  
A195029 11.4684  $[-(4*x^2+50*x+30)/(4*x^3+17*x^2-18*x-3)]$  lgdogf]  
A195029 12.5782  $[-(4*x^2+21*x+3)/(x-1)^3$  ogf]  
A195029 19.6153  $-2*(15+25*x+2*x^2)/(x-1)/(4*x^2+21*x+3)]$  lgdogf  
A195029 6.84079  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 30, a(2) =$   
 $85}]$ , ogf]  
A195030 10.9946  $[x*(2*x^4-30*x^3+x-1)/(x-1)^3$  ogf]  
A195030 16.3724  $2*(1-x+x^4-4*x^3+45*x^2)/(x-1)/(2*x^4-30*x^3+x-1)$  lgdogf  
A195030 8.21819  $[-(2*x^4-8*x^3+90*x^2-2*x+2)/(-2*x^5+32*x^4-30*x^3-x^2+2*x-1)]$   
lgdogf]

A195031 12.1813  $[-(-36*x^2-20*x-12)/(-12*x^3-5*x^2+12*x+5) \text{ lgdogf}]$   
A195031 16.8102  $[(12*x+5)/(x-1)^2/(x+1)^2 \text{ ogf}]$   
A195031 22.2775  $-4*(3+5*x+9*x^2)/(12*x+5)/(x-1)/(x+1) \text{ lgdogf}$   
A195031 4.10005  $[{-(-5*n-20)*a(n+4)+(-24-12*n)*a(n+3)+(30+5*n)*a(n+2)+(48+12*n)*a(n+1), a(0) = 5, a(1) = 12, a(2) = 10, a(3) = 24}, \text{ ogf}]$   
A195032 10.7700  $[-x*(12*x+5)/(x+1)^2/(x-1)^3 \text{ ogf}]$   
A195032 11.5504  $[-(-48*x^2-37*x-17)/(-12*x^3-5*x^2+12*x+5) \text{ lgdogf}]$   
A195032 20.6692  $-(17+37*x+48*x^2)/(12*x+5)/(x-1)/(x+1) \text{ lgdogf}$   
A195032 3.94545  $[{(15+5*n)*a(n+4)+(7+12*n)*a(n+3)+(-42-5*n)*a(n+2)+(-48-12*n)*a(n+1), a(0) = 0, a(1) = 5, a(2) = 17, a(3) = 27}, \text{ ogf}]$   
A195033 11.8546  $[-(60*x^2+84*x+20)/(20*x^3+21*x^2-20*x-21) \text{ lgdogf}]$   
A195033 16.5034  $[(20*x+21)/(x-1)^2/(x+1)^2 \text{ ogf}]$   
A195033 20.6430  $-4*(5+21*x+15*x^2)/(x-1)/(20*x+21)/(x+1) \text{ lgdogf}$   
A195033 4.02715  $[{(21*n+84)*a(n+4)+(40+20*n)*a(n+3)+(-126-21*n)*a(n+2)+(-80-20*n)*a(n+1), a(0) = 21, a(1) = 20, a(2) = 42, a(3) = 40}, \text{ ogf}]$   
A195034 10.3955  $[-(-80*x^2-125*x-41)/(-20*x^3-21*x^2+20*x+21) \text{ lgdogf}]$   
A195034 18.4299  $-(41+125*x+80*x^2)/(x-1)/(20*x+21)/(x+1) \text{ lgdogf}$   
A195034 9.97972  $[-x*(20*x+21)/(x+1)^2/(x-1)^3 \text{ ogf}]$   
A195035 11.7323  $[-(24*x^2+60*x+8)/(8*x^3+15*x^2-8*x-15) \text{ lgdogf}]$   
A195035 15.9559  $[(8*x+15)/(x-1)^2/(x+1)^2 \text{ ogf}]$   
A195035 20.5747  $-4*(2+15*x+6*x^2)/(8*x+15)/(x-1)/(x+1) \text{ lgdogf}$   
A195036 11.0822  $[-x*(8*x+15)/(x+1)^2/(x-1)^3 \text{ ogf}]$   
A195036 11.8852  $[-(-32*x^2-83*x-23)/(-8*x^3-15*x^2+8*x+15) \text{ lgdogf}]$   
A195036 21.2771  $-(23+83*x+32*x^2)/(8*x+15)/(x-1)/(x+1) \text{ lgdogf}$   
A195036 4.03981  $[{-(-45-15*n)*a(n+4)+(7-8*n)*a(n+3)+(98+15*n)*a(n+2)+(32+8*n)*a(n+1), a(0) = 0, a(1) = 15, a(2) = 23, a(3) = 53}, \text{ ogf}]$   
A195037 18.4540  $[-17*x/(x-1)^3 \text{ ogf}]$   
A195037 30.3173  $[3/(-x+1) \text{ lgdogf}]$   
A195037 64.9134  $[[3] \text{ ogf\_with\_Euler\_transform}]$   
A195037 7.51226  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 17, a(2) = 51}, \text{ ogf}]$   
A195038 16.8405  $[-41*x/(x-1)^3 \text{ ogf}]$   
A195038 27.6666  $[3/(-x+1) \text{ lgdogf}]$   
A195038 59.1806  $[[3] \text{ ogf\_with\_Euler\_transform}]$   
A195038 6.79531  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 41, a(2) = 123}, \text{ ogf}]$   
A195039 16.6303  $[-23*x/(x-1)^3 \text{ ogf}]$   
A195039 27.3212  $[3/(-x+1) \text{ lgdogf}]$   
A195039 58.4545  $[[3] \text{ ogf\_with\_Euler\_transform}]$   
A195039 6.76987  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 23, a(2) = 69}, \text{ ogf}]$   
A195041 10.1925  $[-(-2*x^3-17*x^2-16*x-7)/(-x^4-5*x^3+5*x+1) \text{ lgdogf}]$   
A195041 11.6037  $[-x*(x^2+5*x+1)/(x+1)/(x-1)^3 \text{ ogf}]$   
A195041 16.1469  $-(7+16*x+2*x^3+17*x^2)/(x-1)/(x+1)/(x^2+5*x+1) \text{ lgdogf}$   
A195042 11.9549  $[-(-2*x^3-23*x^2-20*x-9)/(-x^4-7*x^3+7*x+1) \text{ lgdogf}]$   
A195042 13.6102  $[-x*(x^2+7*x+1)/(x+1)/(x-1)^3 \text{ ogf}]$   
A195042 18.9754  $-(9+20*x+2*x^3+23*x^2)/(x-1)/(x+1)/(x^2+7*x+1) \text{ lgdogf}$   
A195043 10.3629  $[-(-2*x^3-29*x^2-24*x-11)/(-x^4-9*x^3+9*x+1) \text{ lgdogf}]$   
A195043 11.9571  $[-x*(x^2+9*x+1)/(x+1)/(x-1)^3 \text{ ogf}]$   
A195043 16.2921  $-(11+24*x+2*x^3+29*x^2)/(x-1)/(x+1)/(x^2+9*x+1) \text{ lgdogf}$   
A195045 11.7955  $[-(-2*x^3-35*x^2-28*x-13)/(-x^4-11*x^3+11*x+1) \text{ lgdogf}]$   
A195045 13.7614  $[-x*(x^2+11*x+1)/(x+1)/(x-1)^3 \text{ ogf}]$   
A195045 18.6762  $-(13+2*x^3+28*x+35*x^2)/(x-1)/(x+1)/(x^2+11*x+1) \text{ lgdogf}$   
A195046 10.2926  $[-(-2*x^3-41*x^2-32*x-15)/(-x^4-13*x^3+13*x+1) \text{ lgdogf}]$   
A195046 12.0080  $[-x*(x^2+13*x+1)/(x+1)/(x-1)^3 \text{ ogf}]$   
A195046 14.2008  $-(31-2*x^3+x^4+58*x+2*x^2)/(x-1)/(x+1)/(x^3-2*x^2+x+15) \text{ lgdogf}$   
A195047 10.7004  $[-(-2*x^3-47*x^2-36*x-17)/(-x^4-15*x^3+15*x+1) \text{ lgdogf}]$   
A195047 12.4838  $[-x*(x^2+15*x+1)/(x+1)/(x-1)^3 \text{ ogf}]$   
A195047 16.9246  $-(17+2*x^3+36*x+47*x^2)/(x-1)/(x+1)/(x^2+15*x+1) \text{ lgdogf}$   
A195048 10.1346  $[-(-2*x^3-53*x^2-40*x-19)/(-x^4-17*x^3+17*x+1) \text{ lgdogf}]$   
A195048 11.8237  $[-x*(x^2+17*x+1)/(x+1)/(x-1)^3 \text{ ogf}]$



A195048 16.0197  $-(19+2*x^3+40*x+53*x^2)/(x-1)/(x+1)/(x^2+17*x+1)$  lgdogf  
A195049 10.2335  $[-(-2*x^3-59*x^2-44*x-21)/(-x^4-19*x^3+19*x+1)$  lgdogf]  
A195049 11.9391  $[-x*(x^2+19*x+1)/(x+1)/(x-1)^3$  ogf]  
A195049 16.1783  $-(21+2*x^3+44*x+59*x^2)/(x-1)/(x+1)/(x^2+19*x+1)$  lgdogf  
A195058 11.6393  $[-x*(x^2+21*x+1)/(x+1)/(x-1)^3$  ogf]  
A195058 15.7675  $-(23+48*x+2*x^3+65*x^2)/(x-1)/(x+1)/(x^2+21*x+1)$  lgdogf  
A195058 9.97651  $[-(-2*x^3-65*x^2-48*x-23)/(-x^4-21*x^3+21*x+1)$  lgdogf]  
A195060 4.43581  $[-x*(x^{11}-2*x^{10}+2*x^9-2*x^8+x^7+x^5-x^4+x^3+x^2+1)/(x+1)/(x^4+1)/(x^2+1)^2/(x-1)^3$  ogf]  
A195061 13.1194  $(-1-34*x^{33}+33*x^{34}+37*x^{36}-74*x^{37}+37*x^{38})/(x-1)/(x^{38}-x^{37}+x^{34}+1)$  lgdogf  
A195061 15.3936  $[-(x^{38}-x^{37}+x^{34}+1)/(x-1)$  ogf]  
A195062 13.6394  $-x*(2+4*x^2+6*x^4+7*x^5+5*x^7+3*x^9+x^{11})/(x-1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)$  lgdogf  
A195062 15.9359  $[-(x^2+1)*(x^4+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A195062 23.6705  $[-x*(x^6-x^5-1)$  ogf\_with\_Euler\_transform]  
A195084 11.5018  $[-(2*x^2+4*x+1)/(x-1)/(x+1)^2$  ogf]  
A195084 17.5852  $-(3+3*x+2*x^3+6*x^2)/(x-1)/(x+1)/(1+2*x^2+4*x)$  lgdogf  
A195084 6.32083  $[{-a(n+3)-a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 0},$  ogf]  
A195084 8.77015  $[-(-2*x^3-6*x^2-3*x-3)/(-2*x^4-4*x^3+x^2+4*x+1)$  lgdogf]  
A195116 7.69248  $[-(294*x^3-341*x^2+119*x-12)/(x-1)/(6*x-1)/(3*x-1)/(2*x-1)$  ogf]  
A195123 5.69221  $[x*(x^{12}+x^{11}+2*x^{10}+x^9+2*x^8+x^7+2*x^6+x^5+2*x^4+x^3+2*x^2+x+2)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A195125 8.07049  $[-x*(x^7-2*x^6-2*x^5-2*x^4-2*x^3-2*x^2-2*x-2)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A195140 11.3372  $[-(-2*x^3-15*x^2-6*x-5)/(-x^4-5*x^3+5*x+1)$  lgdogf]  
A195140 13.5675  $[x*(x^2+5*x+1)/(x-1)^2/(x+1)^2$  ogf]  
A195140 18.1142  $-(5+6*x+15*x^2+2*x^3)/(x-1)/(x+1)/(1+5*x+x^2)$  lgdogf  
A195140 7.19667  $[{(n+3)*a(n+1)+(-n-1)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 5},$  ogf]  
A195142 10.6777  $[-(-2*x^3-26*x^2-22*x-10)/(-x^4-8*x^3+8*x+1)$  lgdogf]  
A195142 12.3205  $[-x*(x^2+8*x+1)/(x+1)/(x-1)^3$  ogf]  
A195142 17.1583  $-2*(5+11*x+13*x^2+x^3)/(x-1)/(x+1)/(x^2+8*x+1)$  lgdogf  
A195143 10.5004  $[-(-2*x^3-32*x^2-26*x-12)/(-x^4-10*x^3+10*x+1)$  lgdogf]  
A195143 12.2505  $[-x*(x^2+10*x+1)/(x+1)/(x-1)^3$  ogf]  
A195143 16.9570  $-2*(6+13*x+16*x^2+x^3)/(x-1)/(x+1)/(x^2+10*x+1)$  lgdogf  
A195145 10.6004  $[-(-2*x^3-38*x^2-30*x-14)/(-x^4-12*x^3+12*x+1)$  lgdogf]  
A195145 12.3672  $[-x*(x^2+12*x+1)/(x+1)/(x-1)^3$  ogf]  
A195145 17.1209  $-2*(7+15*x+19*x^2+x^3)/(x-1)/(x+1)/(x^2+12*x+1)$  lgdogf  
A195146 10.6504  $[-(-2*x^3-44*x^2-34*x-16)/(-x^4-14*x^3+14*x+1)$  lgdogf]  
A195146 12.4255  $[-x*(x^2+14*x+1)/(x+1)/(x-1)^3$  ogf]  
A195146 17.2028  $-2*(8+17*x+22*x^2+x^3)/(x-1)/(x+1)/(x^2+14*x+1)$  lgdogf  
A195147 10.4417  $[-(-2*x^3-50*x^2-38*x-18)/(-x^4-16*x^3+16*x+1)$  lgdogf]  
A195147 12.1820  $[-x*(x^2+16*x+1)/(x+1)/(x-1)^3$  ogf]  
A195147 16.8623  $-2*(9+19*x+25*x^2+x^3)/(x-1)/(x+1)/(x^2+16*x+1)$  lgdogf  
A195148 10.4915  $[-(-2*x^3-56*x^2-42*x-20)/(-x^4-18*x^3+18*x+1)$  lgdogf]  
A195148 12.2400  $[-x*(x^2+18*x+1)/(x+1)/(x-1)^3$  ogf]  
A195148 16.5908  $-2*(10+21*x+28*x^2+x^3)/(x-1)/(x+1)/(x^2+18*x+1)$  lgdogf  
A195149 10.6406  $[-(-2*x^3-62*x^2-46*x-22)/(-x^4-20*x^3+20*x+1)$  lgdogf]  
A195149 12.4141  $[-x*(x^2+20*x+1)/(x+1)/(x-1)^3$  ogf]  
A195149 16.8301  $-2*(11+23*x+31*x^2+x^3)/(x-1)/(x+1)/(x^2+20*x+1)$  lgdogf  
A195156 12.8536  $[-(32*x-17)/(16*x^2-17*x+1)$  lgdogf]  
A195156 17.1382  $[5*x/(16*x-1)/(x-1)$  ogf]  
A195156 25.3675  $-(-17+32*x)/(16*x-1)/(x-1)$  lgdogf  
A195156 8.05287  $[{a(n+2)-17*a(n+1)+16*a(n), a(0) = 0, a(1) = 5},$  ogf]  
A195158 10.0748  $[-(-2*x^3-68*x^2-50*x-24)/(-x^4-22*x^3+22*x+1)$  lgdogf]  
A195158 11.7539  $[-x*(x^2+22*x+1)/(x+1)/(x-1)^3$  ogf]  
A195158 15.9251  $-2*(12+x^3+25*x+34*x^2)/(x-1)/(x+1)/(x^2+22*x+1)$  lgdogf  
A195159 11.1376  $[-(-2*x^3-21*x^2-6*x-7)/(-x^4-7*x^3+7*x+1)$  lgdogf]  
A195159 13.3286  $[x*(x^2+7*x+1)/(x-1)^2/(x+1)^2$  ogf]

A195159 17.7925  $-(7+2*x^3+6*x+21*x^2)/(x-1)/(x+1)/(x^2+1+7*x)$  lgdogf  
A195159 7.06996  $[{(n+3)*a(n+1)+(-n-1)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 7},$   
ogf]  
A195160 10.7288  $[ -(-3*x^3-29*x^2-14*x-8)/(-x^4-7*x^3+7*x+1)$  lgdogf]  
A195160 17.0056  $-(8+3*x^3+14*x+29*x^2)/(x-1)/(x+1)/(x^2+1+7*x)$  lgdogf  
A195160 9.80162  $[ -x*(x^2+7*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A195161 10.7687  $[ -(-2*x^3-24*x^2-6*x-8)/(-x^4-8*x^3+8*x+1)$  lgdogf]  
A195161 12.8871  $[ x*(x^2+8*x+1)/(x-1)^2/(x+1)^2$  ogf]  
A195161 17.1962  $-2*(4+x^3+3*x+12*x^2)/(x-1)/(x+1)/(x^2+1+8*x)$  lgdogf  
A195161 6.83577  $[{(-n-3)*a(n+1)+(n+1)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 8},$   
ogf]  
A195162 10.2389  $[ -x*(x^2+8*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A195162 11.2074  $[ -(-3*x^3-33*x^2-15*x-9)/(-x^4-8*x^3+8*x+1)$  lgdogf]  
A195162 18.1692  $-3*(3+x^3+5*x+11*x^2)/(x-1)/(x+1)/(x^2+1+8*x)$  lgdogf  
A195163 14.3213  $[ -x*(997*x+1)/(x-1)^3$  ogf]  
A195163 14.5682  $[ -(-1994*x-1000)/(-997*x^2+996*x+1)$  lgdogf]  
A195163 27.8041  $-2*(500+997*x)/(997*x+1)/(x-1)$  lgdogf  
A195163 7.41189  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) =$   
1000}, ogf]  
A195198 5.48480  $[ -(x^8-x^7+x^6-x^4+x^3+x^2-x+1)/(-x^9-x^6-x^3-1)$   
ogf\_with\_Euler\_transform]  
A195221 5.66025  $[ -(x^5-7*x^4-70*x^3-536*x^2-501*x-91)/(x-1)^6$  ogf]  
A195221 7.79617  $[ -(1047-3577*x-238*x^3+x^5-9*x^4-2354*x^2)/(x-1)/$   
 $(x^5-7*x^4-70*x^3-536*x^2-501*x-91)$  lgdogf]  
A195233 14.7864  $[ -(27*x+155)/(27*x^2+37*x-64)$  lgdogf]  
A195233 16.9886  $[ (27*x+64)/(x-1)^2$  ogf]  
A195233 29.0121  $-(155+27*x)/(27*x+64)/(x-1)$  lgdogf  
A195233 9.39369  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 64, a(1) = 155},$  ogf]  
A195234 10.9553  $[ -(1403*x+3151)/(150*x^3+953*x^2-79*x-1024)$  lgdogf]  
A195234 12.5717  $[ (150*x^2+1103*x+1024)/(x-1)^2$  ogf]  
A195234 17.9176  $-23*(137+61*x)/(x-1)/(150*x^2+1103*x+1024)$  lgdogf  
A195234 6.90877  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1024, a(1) = 3151, a(2) =$   
5428}, ogf]  
A195235 5.43674  $[{a(n+4)-2*a(n+3)+a(n+2), a(0) = 32768, a(1) = 127785, a(2) =$   
237818, a(3) = 348849}, ogf]  
A195235 9.59133  $(-127785-92281*x+998*x^3-2994*x^2)/(x-1)/$   
 $(998*x^3+15016*x^2+62249*x+32768)$  lgdogf  
A195235 9.64116  $[ (998*x^3+15016*x^2+62249*x+32768)/(x-1)^2$  ogf]  
A195236 6.89789  $[ (9546*x^4+237516*x^3+2182632*x^2+6127761*x+2097152)/(x-1)^2$   
ogf]  
A195237 5.10632  $[$   
 $(141128*x^5+5176676*x^4+78250080*x^3+543337378*x^2+1126547401*x+268435456)/$   
 $(x-1)^2$  ogf]  
A195241 11.2985  $[ (3*x^4-19*x^3+x-1)/(x-1)^3$  ogf]  
A195241 14.9184  $(2-2*x-12*x^3+3*x^4+57*x^2)/(x-1)/(3*x^4-19*x^3+x-1)$  lgdogf  
A195241 7.90896  $[ -(3*x^4-12*x^3+57*x^2-2*x+2)/(-3*x^5+22*x^4-19*x^3-x^2+2*x-1)$   
lgdogf]  
A195249 11.8357  $[ (94*x^3+288*x^2+601*x+64)/(x-1)^2$  ogf]  
A195249 12.9741  $(-729-1177*x+94*x^3-282*x^2)/(x-1)/(94*x^3+288*x^2+601*x+64)$   
lgdogf  
A195249 6.44711  $[{a(n+4)-2*a(n+3)+a(n+2), a(0) = 64, a(1) = 729, a(2) = 1682,$   
a(3) = 2729}, ogf]  
A195249 8.26036  $[ -(94*x^3-282*x^2-1177*x-729)/(-94*x^4-194*x^3-313*x^2+537*x+64)$   
lgdogf]  
A195250 7.37844  $[ (1176*x^5+7962*x^4+35868*x^3+73440*x^2+57001*x+1024)/(x-1)^2$   
ogf]  
A195251 4.39661  $[$   
 $(27088*x^7+311868*x^6+2147942*x^5+9100104*x^4+27413120*x^3+38714848*x^2+14283371$   
 $*x+32768)/(x-1)^2$  ogf]  
A195254 6.98091  $[{2*a(n)*n+(-n-3)*a(n+1)+a(n+2), a(0) = 1, a(1) = 2},$  ogf]  
A195255 6.64865  $[{3*a(n)*n+(-n-4)*a(n+1)+a(n+2), a(0) = 1, a(1) = 3},$  ogf]

A195256 6.20392 [ $\{4*a(n)*n+(-n-5)*a(n+1)+a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A195257 6.40498 [ $\{5*a(n)*n+(-n-6)*a(n+1)+a(n+2), a(0) = 1, a(1) = 5\}$ , ogf]  
A195279 5.38239 [ $-(x^5-7*x^4-150*x^3-1134*x^2-1099*x-171)/(x-1)^6$  ogf]  
A195279 7.31564 [ $-(-2125-7763*x-478*x^3+x^5-9*x^4-4986*x^2)/(x-1)/(x^5-7*x^4-150*x^3-1134*x^2-1099*x-171)$  lgdogf]  
A195291 33.4978 [ $-x^3+x^2+2$  ogf\_with\_Euler\_transform]  
A195291 5.83481 [ $-(8*x^71-20*x^70-21*x^69-20*x^68-25*x^67-8*x^3-8*x^2-8*x-8)/(28*x^71-27*x^70+6*x^69-30*x^68+25*x^67+8*x^4-8*x^3-8*x+8)$  ogf]  
A195309 8.13647 [ $(x^4+9*x^3+7*x^2+9*x+1)/(x-1)^4/(x+1)^4$  ogf]  
A195309 9.85128 [ $-(9+22*x+46*x^3+4*x^5+45*x^4+90*x^2)/(x-1)/(x+1)/(x^4+9*x^3+7*x^2+9*x+1)$  lgdogf]  
A195312 10.1353 [ $-(-2*x^3-27*x^2-6*x-9)/(-x^4-9*x^3+9*x+1)$  lgdogf]  
A195312 12.1291 [ $x*(x^2+9*x+1)/(x-1)^2/(x+1)^2$  ogf]  
A195312 16.1722 [ $-(9+6*x+2*x^3+27*x^2)/(x-1)/(x+1)/(1+x^2+9*x)$  lgdogf]  
A195312 6.43372 [ $\{(n+3)*a(n+1)+(-n-1)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 9\}$ , ogf]  
A195313 10.5813 [ $-(-3*x^3-37*x^2-16*x-10)/(-x^4-9*x^3+9*x+1)$  lgdogf]  
A195313 16.6379 [ $-(10+16*x+3*x^3+37*x^2)/(x-1)/(x+1)/(1+x^2+9*x)$  lgdogf]  
A195313 9.79748 [ $-x*(x^2+9*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A195314 11.8726 [ $-(x^2+54*x+29)/(x^3+25*x^2-25*x-1)$  lgdogf]  
A195314 13.0216 [ $-(x^2+26*x+1)/(x-1)^3$  ogf]  
A195314 24.0117 [ $-(29+54*x+x^2)/(x-1)/(x^2+26*x+1)$  lgdogf]  
A195314 7.08190 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 29, a(2) = 85\}$ , ogf]  
A195315 11.5776 [ $-(x^2+62*x+33)/(x^3+29*x^2-29*x-1)$  lgdogf]  
A195315 12.6980 [ $-(x^2+30*x+1)/(x-1)^3$  ogf]  
A195315 23.4067 [ $-(33+62*x+x^2)/(x-1)/(x^2+30*x+1)$  lgdogf]  
A195315 6.90594 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 33, a(2) = 97\}$ , ogf]  
A195316 11.7414 [ $-(x^2+70*x+37)/(x^3+33*x^2-33*x-1)$  lgdogf]  
A195316 12.8777 [ $-(x^2+34*x+1)/(x-1)^3$  ogf]  
A195316 23.7443 [ $-(37+70*x+x^2)/(x-1)/(x^2+34*x+1)$  lgdogf]  
A195316 6.94277 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 37, a(2) = 109\}$ , ogf]  
A195317 11.8507 [ $-(x^2+78*x+41)/(x^3+37*x^2-37*x-1)$  lgdogf]  
A195317 12.9975 [ $-(x^2+38*x+1)/(x-1)^3$  ogf]  
A195317 23.9694 [ $-(41+78*x+x^2)/(x-1)/(x^2+38*x+1)$  lgdogf]  
A195317 7.00735 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 41, a(2) = 121\}$ , ogf]  
A195318 11.9053 [ $-(x^2+86*x+45)/(x^3+41*x^2-41*x-1)$  lgdogf]  
A195318 13.0574 [ $-(x^2+42*x+1)/(x-1)^3$  ogf]  
A195318 24.0819 [ $-(45+86*x+x^2)/(x-1)/(x^2+42*x+1)$  lgdogf]  
A195318 7.03963 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 45, a(2) = 133\}$ , ogf]  
A195319 13.6762 [ $-3*x*(x+3)/(x-1)^3$  ogf]  
A195319 15.9090 [ $-(2*x+10)/(x^2+2*x-3)$  lgdogf]  
A195319 38.4095 [ $-2*(5+x)/(x+3)/(x-1)$  lgdogf]  
A195319 6.96021 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 9, a(2) = 30\}$ , ogf]  
A195320 14.2018 [ $-7*x*(3*x+1)/(x-1)^3$  ogf]  
A195320 17.1605 [ $-(-6*x-6)/(-3*x^2+2*x+1)$  lgdogf]  
A195320 36.9281 [ $-6*(x+1)/(3*x+1)/(x-1)$  lgdogf]  
A195320 7.35449 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 42\}$ , ogf]  
A195321 13.3437 [ $-18*x*(x+1)/(x-1)^3$  ogf]  
A195321 17.8927 [ $-(2*x+4)/(x^2-1)$  lgdogf]  
A195321 37.2401 [[ $4-x$ ] ogf\_with\_Euler\_transform]  
A195321 38.8068 [ $-2*(x+2)/(x-1)/(x+1)$  lgdogf]  
A195321 6.96705 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 18, a(2) = 72\}$ , ogf]  
A195322 13.4066 [ $-20*x*(x+1)/(x-1)^3$  ogf]

A195322 17.9770  $[-(2*x+4)/(x^2-1) \text{ lgdogf}]$   
A195322 37.4158  $[[4-x] \text{ ogf\_with\_Euler\_transform}]$   
A195322 38.9925  $-2*(x+2)/(x-1)/(x+1) \text{ lgdogf}$   
A195322 6.99991  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 20, a(2) = 80}, \text{ ogf}]$   
A195323 14.4711  $[-22*x*(x+1)/(x-1)^3 \text{ ogf}]$   
A195323 19.4044  $[-(2*x+4)/(x^2-1) \text{ lgdogf}]$   
A195323 39.3638  $-2*(x+2)/(x-1)/(x+1) \text{ lgdogf}$   
A195323 40.4024  $[[4-x] \text{ ogf\_with\_Euler\_transform}]$   
A195323 7.55568  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 22, a(2) = 88}, \text{ ogf}]$   
A195339 10.2720  $[-(4*x^3+6*x^2-4)/(x^4+2*x^3-4*x+1) \text{ lgdogf}]$   
A195339 15.9447  $-2*(-2+2*x^3+3*x^2)/(x-1)/(x^3+3*x^2+3*x-1) \text{ lgdogf}$   
A195339 18.8783  $[1/(x-1)/(x^3+3*x^2+3*x-1) \text{ ogf}]$   
A195350 11.4300  $[-(x^2+3*x-1)/(x-1)/(x^3+3*x^2+3*x-1) \text{ ogf}]$   
A195350 9.91596  $-(1-2*x+8*x^3+2*x^5+11*x^4-2*x^2)/(x-1)/(x^2+3*x-1)/(x^3+3*x^2+3*x-1) \text{ lgdogf}$   
A195460 10.2883  $[(16*x^2-12*x-1)/(x-1)/(2*x-1)/(4*x-1) \text{ ogf}]$   
A195460 5.67632  $[{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = 1, a(1) = 19, a(2) = 103}, \text{ ogf}]$   
A195460 8.97099  $-(-19+60*x-192*x^3+128*x^4+32*x^2)/(x-1)/(2*x-1)/(4*x-1)/(16*x^2-12*x-1) \text{ lgdogf}$   
A195463 15.0112  $[-(32*x-11)/(4*x-1)/(x-1) \text{ ogf}]$   
A195463 16.4956  $-(23-88*x+128*x^2)/(x-1)/(32*x-11)/(4*x-1) \text{ lgdogf}$   
A195463 8.39913  $[{a(n+2)-5*a(n+1)+4*a(n), a(0) = 11, a(1) = 23}, \text{ ogf}]$   
A195463 9.53415  $[{-128*x^2+88*x-23}/(-128*x^3+204*x^2-87*x+11) \text{ lgdogf}]$   
A195464 5.51798  $[{-a(n+3)+21*a(n+2)-84*a(n+1)+64*a(n), a(0) = 13, a(1) = 139, a(2) = 2083}, \text{ ogf}]$   
A195464 7.81088  $-(-139-1672*x-17152*x^3+16384*x^4+8376*x^2)/(x-1)/(4*x-1)/(16*x-1)/(256*x^2-134*x+13) \text{ lgdogf}$   
A195464 9.67645  $[-(256*x^2-134*x+13)/(x-1)/(4*x-1)/(16*x-1) \text{ ogf}]$   
A195499 12.2925  $[-(x-3)/(x+1)/(x^2-4*x+1) \text{ ogf}]$   
A195499 14.5179  $-2*(4+9*x+x^3-6*x^2)/(x-3)/(x+1)/(x^2-4*x+1) \text{ lgdogf}$   
A195499 5.76549  $[{-a(n+3)+3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 8, a(2) = 33}, \text{ ogf}]$   
A195499 7.84940  $[-(2*x^3-12*x^2+18*x+8)/(x^4-6*x^3+6*x^2+10*x-3) \text{ lgdogf}]$   
A195500 10.2083  $[{-(-x^2+8*x-15)/(-x^3+8*x^2-17*x+4) \text{ lgdogf}]$   
A195503 14.9722  $[-(x-4)/(x^2-4*x+1) \text{ ogf}]$   
A195503 22.0345  $-(x-3)*(x-5)/(x-4)/(x^2-4*x+1) \text{ lgdogf}$   
A195503 8.11743  $[{-a(n+2)+4*a(n+1)-a(n), a(0) = 4, a(1) = 15}, \text{ ogf}]$   
A195523 4.52658  $[-(x^6-6*x^5+213*x^4+2346*x^3+5175*x^2+2360*x+199)/(x-1)^7 \text{ ogf}]$   
A195531 11.0450  $[-(x^2-2*x-5)/(x+1)/(x^2-4*x+1) \text{ ogf}]$   
A195531 11.8042  $-(17+28*x-4*x^3+x^4-6*x^2)/(x+1)/(x^2-4*x+1)/(x^2-2*x-5) \text{ lgdogf}$   
A195531 5.91006  $[{-a(n+3)+3*a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 17, a(2) = 65}, \text{ ogf}]$   
A195531 6.73747  $[{-(-x^4+4*x^3+6*x^2-28*x-17)/(-x^5+5*x^4+2*x^3-22*x^2-13*x+5) \text{ lgdogf}]$   
A195538 8.10555  $[-(x^4-30*x^2+12*x+5)/(x-1)/(x+1)/(x^2+6*x+1)/(x^2-6*x+1) \text{ ogf}]$   
A195539 10.9603  $[-(x^3-35*x-12)/(x^2+6*x+1)/(x^2-6*x+1) \text{ ogf}]$   
A195539 8.49261  $-(35+816*x-48*x^3+x^6-71*x^4+1187*x^2)/(x^2+6*x+1)/(x^2-6*x+1)/(x^3-35*x-12) \text{ lgdogf}$   
A195540 6.92227  $[-(x^5+x^4-34*x^3-22*x^2+37*x+13)/(x-1)/(x+1)/(x^2+6*x+1)/(x^2-6*x+1) \text{ ogf}]$   
A195547 7.88001  $[(x^6+4*x^5+12*x^4-2*x^3+12*x^2+4*x+1)/(x+1)/(x^2-3*x+1)/(x^2-x+1)/(x^4+3*x^3+8*x^2+3*x+1) \text{ ogf}]$   
A195548 7.28829  $[ -x*(x^7-x^6-20*x^4+12*x^3-8*x^2-5*x-3)/(x+1)/(x^2-3*x+1)/(x^2-x+1)/(x^4+3*x^3+8*x^2+3*x+1) \text{ ogf}]$   
A195549 8.35058  $[-(x^5+x^4+x^3-13*x^2-5*x-1)/(x^2-3*x+1)/(x^4+3*x^3+8*x^2+3*x+1) \text{ ogf}]$   
A195552 6.72255  $[-(x^5+x^4+5*x^3-1189*x^2-109*x-5)/(x^2-11*x+1)/(x^4+11*x^3+120*x^2+11*x+1) \text{ ogf}]$

A195555 6.55882 [  $-(x^5+x^4+13x^3-18901x^2-701x-13)/(x^2-27x+1)/(x^4+27x^3+728x^2+27x+1)$  ogf]  
A195556 6.43776 [  $(x^6+12x^5+24x^4-2x^3+24x^2+12x+1)/(x+1)/(x^2-x+1)/(x^6-38x^3+1)$  ogf]  
A195557 6.39325 [  $-x(x^7-x^6-42x^4+30x^3-12x^2-7x-5)/(x+1)/(x^2-x+1)/(x^6-38x^3+1)$  ogf]  
A195558 7.93224 [  $-(x^5+x^4+x^3-25x^2-13x-1)/(x^6-38x^3+1)$  ogf]  
A195561 5.15116 [  $-(x^9+x^8+x^7+5x^6+109x^5-1009x^4-289x^3-109x^2-5x-1)/(x^{10}-1298x^5+1)$  ogf]  
A195562 6.11877 [  $(x^6+24x^5+40x^4-2x^3+40x^2+24x+1)/(x+1)/(x^2-x+1)/(x^6-66x^3+1)$  ogf]  
A195563 6.02630 [  $-x(x^7-x^6-72x^4+56x^3-16x^2-9x-7)/(x+1)/(x^2-x+1)/(x^6-66x^3+1)$  ogf]  
A195564 7.50277 [  $-(x^5+x^4+x^3-41x^2-25x-1)/(x^6-66x^3+1)$  ogf]  
A195567 5.27440 [  $-(x^9+x^8+5x^7+5x^6+325x^5-3649x^4-449x^3-325x^2-5x-5)/(x^{10}-4098x^5+1)$  ogf]  
A195568 5.97522 [  $(3x^6+8x^5+120x^4-134x^3+120x^2+8x+3)/(x+1)/(x^2-x+1)/(x^6-258x^3+1)$  ogf]  
A195569 5.27881 [  $-(x^8-x^7-4x^6-272x^5+48x^4-88x^3-209x^2-15x-4)/(x+1)/(x^2-x+1)/(x^6-258x^3+1)$  ogf]  
A195570 7.68210 [  $-(x^5+x^4+5x^3-241x^2-17x-5)/(x^6-258x^3+1)$  ogf]  
A195571 6.48001 [  $(x^6+40x^5+60x^4-2x^3+60x^2+40x+1)/(x+1)/(x^2-x+1)/(x^6-102x^3+1)$  ogf]  
A195572 5.75790 [  $-x(x^7-x^6-110x^4+90x^3-20x^2-11x-9)/(x+1)/(x^2-x+1)/(x^6-102x^3+1)$  ogf]  
A195573 7.30940 [  $-(x^5+x^4+x^3-61x^2-41x-1)/(x^6-102x^3+1)$  ogf]  
A195590 12.5860 [  $-4(x^2-2x+2)/(2x-1)^2/(x-1)$  ogf]  
A195590 15.7141 [  $-(-8+14x+2x^3-7x^2)/(x-1)/(2x-1)/(x^2-2x+2)$  lgdogf]  
A195590 6.67603 [  $\{a(n+3)-5a(n+2)+8a(n+1)-4a(n), a(0) = 8, a(1) = 32, a(2) = 100\}$ , ogf]  
A195590 9.36273 [  $-(2x^3-7x^2+14x-8)/(2x^4-7x^3+11x^2-8x+2)$  lgdogf]  
A195591 11.3294 [  $-(45-61x-18x^3+4x^4+12x^2)/(x-1)/(2x-1)/(2x^3-6x^2+3x-8)$  lgdogf]  
A195591 7.09873 [  $-(-4x^4+18x^3-12x^2+61x-45)/(-4x^5+18x^4-26x^3+31x^2-27x+8)$  lgdogf]  
A195591 9.11442 [  $-2(2x^3-6x^2+3x-8)/(2x-1)^2/(x-1)^2$  ogf]  
A195592 7.46105 [  $-4(x^4-4x^3+9x^2+8x+8)/(2x-1)^2/(x-1)^3$  ogf]  
A195592 9.64569 [  $-(-64+30x+42x^3+2x^5-11x^4+67x^2)/(x-1)/(2x-1)/(x^4-4x^3+9x^2+8x+8)$  lgdogf]  
A195593 5.85291 [  $-2(2x^5-10x^4+15x^3-100x^2-110x-32)/(2x-1)^2/(x-1)^4$  ogf]  
A195594 5.07016 [  $-2(2x^6-12x^5+35x^4+111x^3+711x^2+475x+64)/(2x-1)^2/(x-1)^5$  ogf]  
A195595 4.26414 [  $-2(2x^7-14x^6+35x^5-294x^4-2380x^3-4592x^2-1750x-128)/(2x-1)^2/(x-1)^6$  ogf]  
A195605 12.2395 [  $(x^3-4x^2-3x-2)/(x+1)/(x-1)^3$  ogf]  
A195605 14.5431 [  $-(-7-22x-6x^3+x^4-14x^2)/(x-1)/(x+1)/(x^3-4x^2-3x-2)$  lgdogf]  
A195605 8.61760 [  $-(x^4-6x^3-14x^2-22x-7)/(x^5-4x^4-4x^3+2x^2+3x+2)$  lgdogf]  
A195612 6.71693 [  $-(x^5+x^4+5x^3-3329x^2-769x-5)/(x^6-4098x^3+1)$  ogf]  
A195614 14.0343 [  $8/(x+1)/(x^2-18x+1)$  ogf]  
A195614 16.4484 [  $-(-17-34x+3x^2)/(x+1)/(x^2-18x+1)$  lgdogf]  
A195614 5.07121 [  $\{a(n+3)-17a(n+2)-17a(n+1)+a(n), a(0) = 8, a(1) = 136, a(2) = 2448\}$ , ogf]  
A195614 8.87462 [  $-(-3x^2+34x+17)/(-x^3+17x^2+17x-1)$  lgdogf]  
A195615 5.14700 [  $\{a(n+3)-17a(n+2)-17a(n+1)+a(n), a(0) = 15, a(1) = 273, a(2) = 4895\}$ , ogf]  
A195615 9.47355 [  $-(273+508x-36x^3+x^4+278x^2)/(x+1)/(x^2-18x+1)/(x^2-18x-15)$  lgdogf]  
A195615 9.50215 [  $-(x^2-18x-15)/(x+1)/(x^2-18x+1)$  ogf]  
A195616 12.8017 [  $12/(x+1)/(x^2-38x+1)$  ogf]

A195616 15.3456  $-( -37-74*x+3*x^2)/(x+1)/(x^2-38*x+1)$  lgdogf  
A195616 4.65516  $[ \{a(n+3)-37*a(n+2)-37*a(n+1)+a(n), a(0) = 12, a(1) = 444, a(2) = 16872\},$  ogf]  
A195616 8.28344  $[ -( -3*x^2+74*x+37)/( -x^3+37*x^2+37*x-1)$  lgdogf]  
A195617 4.77239  $[ \{a(n+3)-37*a(n+2)-37*a(n+1)+a(n), a(0) = 35, a(1) = 1333, a(2) = 50615\},$  ogf]  
A195617 8.52834  $-(1333+2588*x-76*x^3+x^4+1338*x^2)/(x+1)/(x^2-38*x+1)/(x^2-38*x-35)$  lgdogf  
A195617 8.95740  $[ -(x^2-38*x-35)/(x+1)/(x^2-38*x+1)$  ogf]  
A195619 12.4156  $[ 16/(x+1)/(x^2-66*x+1)$  ogf]  
A195619 14.4792  $-( -65-130*x+3*x^2)/(x+1)/(x^2-66*x+1)$  lgdogf  
A195619 4.47775  $[ \{a(n+3)-65*a(n+2)-65*a(n+1)+a(n), a(0) = 16, a(1) = 1040, a(2) = 68640\},$  ogf]  
A195619 7.91717  $[ -( -3*x^2+130*x+65)/( -x^3+65*x^2+65*x-1)$  lgdogf]  
A195620 4.59154  $[ \{a(n+3)-65*a(n+2)-65*a(n+1)+a(n), a(0) = 63, a(1) = 4161, a(2) = 274559\},$  ogf]  
A195620 8.15004  $-(4161+8188*x-132*x^3+x^4+4166*x^2)/(x+1)/(x^2-66*x+1)/(x^2-66*x-63)$  lgdogf  
A195620 8.68860  $[ -(x^2-66*x-63)/(x+1)/(x^2-66*x+1)$  ogf]  
A195622 13.0232  $[ 20/(x+1)/(x^2-102*x+1)$  ogf]  
A195622 15.0900  $-( -101-202*x+3*x^2)/(x+1)/(x^2-102*x+1)$  lgdogf  
A195622 4.79254  $[ \{a(n+3)-101*a(n+2)-101*a(n+1)+a(n), a(0) = 20, a(1) = 2020, a(2) = 206040\},$  ogf]  
A195622 8.32038  $[ -( -3*x^2+202*x+101)/( -x^3+101*x^2+101*x-1)$  lgdogf]  
A195623 4.24126  $[ \{a(n+3)-101*a(n+2)-101*a(n+1)+a(n), a(0) = 99, a(1) = 10101, a(2) = 1030199\},$  ogf]  
A195623 7.92118  $[ -(x^2-102*x-99)/(x+1)/(x^2-102*x+1)$  ogf]  
A195657 3.67551  $[ -4*(x^8-8*x^7+35*x^6+116*x^5+3555*x^4+13848*x^3+13073*x^2+2976*x+128)/(2*x-1)^2/(x-1)^7$  ogf]  
A195679 16.0061  $-( -2+5*x^10-14*x^8-16*x^7+7*x^6+3*x^2+x^14)/(x-1)/(x+1)/(1+x^2)/(x^7+x^3-2*x-2)/(x^4+1)$  lgdogf  
A195679 16.5991  $[ (x^7+x^3-2*x-2)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A195744 16.1376  $[ -(32*x-31)/(2*x-1)/(x-1)$  ogf]  
A195744 17.7348  $-(61-124*x+64*x^2)/(x-1)/(32*x-31)/(2*x-1)$  lgdogf  
A195744 9.02938  $[ \{a(n+2)-3*a(n+1)+2*a(n), a(0) = 31, a(1) = 61\},$  ogf]  
A195760 26.9182  $[ 4*x^24+4*x^4+5$  ogf\_with\_Euler\_transform]  
A195817 13.2609  $[ x*(x^2+10*x+1)/(x-1)^2/(x+1)^2$  ogf]  
A195817 17.6052  $-2*(5+3*x+x^3+15*x^2)/(x-1)/(x+1)/(1+x^2+10*x)$  lgdogf  
A195817 7.08771  $[ \{(-n-3)*a(n+1)+(n+1)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 10\},$  ogf]  
A195818 15.8819  $-(11+17*x+3*x^3+41*x^2)/(x-1)/(x+1)/(1+x^2+10*x)$  lgdogf  
A195818 9.43756  $[ -x*(x^2+10*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A195819 19.9600  $[ 29*x/(x-1)^2$  ogf]  
A195819 58.0186  $[ [2]$  ogf\_with\_Euler\_transform]  
A195819 9.24976  $[ \{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 29\},$  ogf]  
A195824 13.1299  $[ -24*x*(x+1)/(x-1)^3$  ogf]  
A195824 36.6356  $[ [4-x]$  ogf\_with\_Euler\_transform]  
A195824 38.1799  $-2*(x+2)/(x-1)/(x+1)$  lgdogf  
A195824 6.85544  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 24, a(2) = 96\},$  ogf]  
A195848 13.7199  $[ -( -x^3+x-1)/( -x^4+x^3-x+1)$  ogf\_with\_Euler\_transform]  
A195849 15.9911  $[ -( -x^6-x^5-1)/( -x^7+1)$  ogf\_with\_Euler\_transform]  
A195850 14.5407  $[ -(x^7+x^6+1)/(x^8-1)$  ogf\_with\_Euler\_transform]  
A195852 14.6544  $[ -( -x^9-x^8-1)/( -x^10+1)$  ogf\_with\_Euler\_transform]  
A195855 7.64102  $[ (352*x^3-367*x^2+94*x+1)/(x-1)/(2*x-1)^3$  ogf]  
A195855 8.27386  $-( -101+366*x-764*x^3+704*x^4-125*x^2)/(x-1)/(2*x-1)/(352*x^3-367*x^2+94*x+1)$  lgdogf  
A195856 7.70445  $[ (432*x^3-449*x^2+115*x+1)/(x-1)/(2*x-1)^3$  ogf]  
A195856 8.33566  $-( -122+446*x-932*x^3+864*x^4-157*x^2)/(x-1)/(2*x-1)/(432*x^3-449*x^2+115*x+1)$  lgdogf

A195857 12.5175 [ (15\*x^2-6\*x-1)/(2\*x-1)^2/(x-1) ogf]  
A195857 12.8216 -(11-24\*x+30\*x^3-9\*x^2)/(x-1)/(2\*x-1)/(15\*x^2-6\*x-1) lgdogf  
A195857 6.80774 [ {-a(n+3)+5\*a(n+2)-8\*a(n+1)+4\*a(n), a(0) = 1, a(1) = 11, a(2) = 32}, ogf]  
A195858 12.5728 [ (17\*x^2-7\*x-1)/(2\*x-1)^2/(x-1) ogf]  
A195858 13.5406 -(12-26\*x+34\*x^3-11\*x^2)/(x-1)/(2\*x-1)/(17\*x^2-7\*x-1) lgdogf  
A195858 6.83786 [ {-a(n+3)+5\*a(n+2)-8\*a(n+1)+4\*a(n), a(0) = 1, a(1) = 12, a(2) = 35}, ogf]  
A195859 4.21214 [ -2\*x^2\*(x^6+120\*x^5+2157\*x^4+7792\*x^3+7827\*x^2+2136\*x+127)/(x-1)^9 ogf]  
A195861 12.3857 [ -(-5\*x+5)/(x^3+x^2+x+1) ogf\_with\_Euler\_transform]  
A195878 10.9347 [ (x+1)\*(x^2+12\*x+1)/(x^4-16\*x^2+1) ogf]  
A195878 9.48943 [ -(13-58\*x+4\*x^3+x^6+26\*x^5+55\*x^4-211\*x^2)/(x+1)/(x^2+12\*x+1)/(x^4-16\*x^2+1) lgdogf]  
A195904 19.2660 [ 1/(x-1)/(2\*x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) ogf]  
A195906 11.8024 [ -(27\*x^4+54\*x^3+6\*x^2+11\*x+22)/(x-1)/(x^4+x^3+x^2+x+1) ogf]  
A195913 6.33491 [ -(3\*x^5+3\*x^4+14\*x^3+9\*x^2+x+2)/(x^2+x+1)^2/(x-1)^3 ogf]  
A195913 6.50832 [ -(3+21\*x+41\*x^3+6\*x^7+12\*x^6+62\*x^5+77\*x^4+66\*x^2)/(x-1)/(1+x^2+x)/(3\*x^5+3\*x^4+14\*x^3+9\*x^2+x+2) lgdogf]  
A195917 7.45711 [ -(5+510\*x-2036\*x^3+3\*x^6+14\*x^5-261\*x^4+253\*x^2)/(x-1)/(x^2-16\*x+1)/(x^2+4\*x+1)/(x^2+16\*x+1) lgdogf]  
A195917 7.89645 [ -24\*(x^2+4\*x+1)\*x/(x-1)/(x^2-16\*x+1)/(x^2+16\*x+1) ogf]  
A195938 17.6343 [ -4\*x^3\*(3+x^4)/(x-1)/(x+1)/(x^2+1)/(x^4+1) lgdogf]  
A195938 20.1553 [ -x^7+3\*x^3 ogf\_with\_Euler\_transform]  
A195938 9.53543 [ x\*(x^4+1)/(x-1)^2/(x+1)^2/(x^2+1)^2 ogf]  
A195956 8.43900 [ -(8\*x^5+2\*x^4+4\*x^3-5\*x^2-1)/(x-1)/(x^2+x+1)/(2\*x^3+x-1) ogf]  
A195964 5.36692 [ -(2\*x^10+x^9+5\*x^8+4\*x^7+x^6-7\*x^5-6\*x^4-3\*x^3-5\*x^2-2\*x-2)/(x^9-4\*x^6-2\*x^5-2\*x^4-2\*x^3+1) ogf]  
A195971 11.4164 [ -x\*(x+1)^2/(x^2+1)/(x^2+x-1) ogf]  
A195971 14.9703 [ -(3-x+5\*x^3+2\*x^4+3\*x^2)/(x+1)/(1+x^2)/(x^2+x-1) lgdogf]  
A195972 6.21602 [ -(2\*x^4+3\*x^3+x^2+3\*x-3)\*(x+1)^2/(x^2+1)/(x^2+x-1)/(x^3+x^2+x-1) ogf]  
A196012 8.00365 [ -(x-1)\*(6\*x^4+5\*x^3+x^2+x+1)/(2\*x^6+x^5-3\*x^4-x^2-x+1) ogf]  
A196013 3.58826 [ (2\*x^13-2\*x^12-6\*x^11-2\*x^10+3\*x^9-x^8+8\*x^7+x^6+9\*x^5+15\*x^4-12\*x^3-4\*x^2-1)/(x^10-3\*x^8-3\*x^7-2\*x^6-4\*x^5-x^4+4\*x^3+2\*x^2+x-1) ogf]  
A196072 10.1451 [ -x\*(3\*x^3-x^2+2\*x+1)/(2\*x^5+x^3+x^2-1) ogf]  
A196072 10.4554 [ -2\*(6\*x^5-3\*x^4+2\*x^3+6\*x^2+1)\*(1+x^2)/(3\*x^3-x^2+2\*x+1)/(2\*x^5+x^3+x^2-1) lgdogf]  
A196081 6.75468 [ (x^5-9\*x^4+x^2+10)/(x^2+1)/(x-1)^2/(x+1)^2 ogf]  
A196132 5.42659 [ -x\*(4\*x^7-6\*x^5+3\*x^4+3\*x^3+4\*x^2-3\*x-4)/(x-1)/(2\*x^8+2\*x^7-2\*x^6-x^5+2\*x^4+4\*x^3+2\*x^2-x-1) ogf]  
A196140 7.54692 [ (x^5-x^4+2\*x^3+2\*x^2+x-3)/(x-1)/(x^5-2\*x^3-x^2-x+1) ogf]  
A196141 3.88750 [ -(12\*x^10+4\*x^9+14\*x^8-4\*x^6-5\*x^5-11\*x^4+17\*x^3-9\*x^2-4\*x+4)/(6\*x^12+2\*x^11+4\*x^10+x^9-7\*x^8-x^6+3\*x^5-3\*x^4+x^3-2\*x^2+3\*x-1) ogf]  
A196204 7.99838 [ -(5-4\*x+4\*x^3+x^8+10\*x^7+11\*x^6+8\*x^5-6\*x^4-11\*x^2)/(1+x^2+x)/(x^2+4\*x-3)/(x^2+x-1)/(x^3+x-1) lgdogf]  
A196204 9.84796 [ -(x^2+x+1)\*(x^2+4\*x-3)/(x^2+x-1)/(x^3+x-1) ogf]  
A196205 5.05356 [ -(2\*x^8+x^7-7\*x^6+8\*x^5-3\*x^4+9\*x^3-9\*x^2-4\*x+4)/(x-1)/(x^3+x-1)/(x^5-x^4+x^2+x-1) ogf]  
A196212 3.93219 [ -(3\*x^6+15\*x^5-4\*x^4-16\*x^3-7\*x^2-3\*x+3)\*(x+1)^2/(x^4+7\*x^3+x-1)/(x^6+x^5-2\*x^4-4\*x^3-5\*x^2-x+1) ogf]  
A196221 67.7221 [ -99/(-1+9\*x) lgdogf]  
A196221 7.70507 [ {(-n-2)\*a(n+2)+(108+9\*n)\*a(n+1), a(0) = 1, a(1) = 99}, ogf]  
A196258 24.6186 [ -1/(11\*x-1) egf]  
A196258 40.8291 [ -11/(-1+11\*x) lgdegf]  
A196258 5.95176 [ {(-11\*n-22)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 11}, ogf]  
A196279 8.09637 [ x\*(x^9+x^8+x^7-2\*x^6+x^5+x^4-2\*x^3+x^2+x-2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A196280 57.3257 [ -80/(-1+8\*x) lgdogf]  
A196280 6.59877 [ {(-n-2)\*a(n+2)+(88+8\*n)\*a(n+1), a(0) = 1, a(1) = 80}, ogf]

A196288 4.05155 [  $-2*x*(127*x^6+2136*x^5+7827*x^4+7792*x^3+2157*x^2+120*x+1)/(x-1)^9$  ogf]  
A196289 3.78255 [  $\{(-16*n^3-135*n^2-387*n-378)*a(n+1)+(32*n^3+192*n^2+912*n+1312)*a(n+2)+(-16*n^3-57*n^2-75*n-34)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 510\}$ , ogf]  
A196289 4.16657 [  $30*x^2*(17*x^6+486*x^5+2943*x^4+5204*x^3+2943*x^2+486*x+17)/(x-1)^{10}$  ogf]  
A196290 3.95814 [  $2*x*(x^8+247*x^7+7318*x^6+44089*x^5+78130*x^4+44089*x^3+7318*x^2+247*x+1)/(x-1)^{10}$  ogf]  
A196291 3.54164 [  $-2*x^2*(x^8+502*x^7+23938*x^6+227554*x^5+655240*x^4+655114*x^3+227638*x^2+23902*x+511)/(x-1)^{11}$  ogf]  
A196292 3.39339 [  $-2*x*(511*x^8+23902*x^7+227638*x^6+655114*x^5+655240*x^4+227554*x^3+23938*x^2+502*x+1)/(x-1)^{11}$  ogf]  
A196294 4.10718 [  $-(2*x^6+15*x^5-3*x^4-16*x^3-7*x^2-3*x+3)*(x+1)^2/(x^4+7*x^3+x-1)/(x^5-x^4-4*x^3-5*x^2-x+1)$  ogf]  
A196305 16.5124 [  $-(13*x-14)/(2*x-1)/(x-1)$  ogf]  
A196305 18.1511 [  $-(59-116*x+56*x^2)/(x-1)/(28*x-29)/(2*x-1)$  lgdogf]  
A196305 9.23907 [  $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 14, a(1) = 29\}$ , ogf]  
A196316 7.86055 [  $-(7+6*x+30*x^3+6*x^7-3*x^6-24*x^5+3*x^4+8*x^2)/(x^2+x+1)/(x^3-x^2-2*x+1)/(3*x^3-x^2-6*x-1)$  lgdogf]  
A196316 9.36434 [  $-(3*x^3-x^2-6*x-1)/(x^2+x+1)/(x^3-x^2-2*x+1)$  ogf]  
A196317 3.39953 [  $(2*x^{10}-3*x^9-21*x^8-26*x^7-3*x^6+20*x^5+5*x^4-6*x^3+4*x^2+6*x+2)/(2*x^{11}+9*x^{10}+10*x^9+x^8-7*x^7-3*x^6+2*x^5-4*x^4-2*x^3-3*x^2-2*x+1)$  ogf]  
A196324 4.63476 [  $-(x^8+6*x^7+8*x^6-x^4-x^3-11*x^2-8*x-2)/(x+1)/(x^8+x^7-x^6+x^4-4*x^3-x^2-2*x+1)$  ogf]  
A196368 6.03493 [  $(x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A196382 10.9254 [  $-x^2*(x-2)/(x^3+x-1)/(x-1)$  ogf]  
A196382 15.2332 [  $-(3-4*x-10*x^3+3*x^4+7*x^2)/(x-2)/(x-1)/(x^3+x-1)$  lgdogf]  
A196410 10.7002 [  $\{-a(n+2)+4*a(n+1)-4*a(n), a(0) = 5, a(1) = 12\}$ , ogf]  
A196410 19.7359 [  $-(8*x-5)/(2*x-1)^2$  ogf]  
A196410 32.3751 [  $-4*(-3+4*x)/(2*x-1)/(8*x-5)$  lgdogf]  
A196423 13.1967 [  $-(3+x+7*x^3+2*x^4+9*x^2)/(x+1)/(x^4+3*x^3+x^2+x-1)$  lgdogf]  
A196423 9.75997 [  $-(x+1)^2/(x^4+3*x^3+x^2+x-1)$  ogf]  
A196431 4.73695 [  $-(x+1)*(x^7-x^6-4*x^5-4*x^4+4*x^3+4*x^2+3*x+3)/(x^9-x^8-5*x^7-5*x^6+4*x^5+6*x^4+5*x^3+3*x^2+x-1)$  ogf]  
A196450 6.32081 [  $-(x^6+9*x^5+5*x^4+7*x^3-2*x^2-3)/(x^7+5*x^6+3*x^5+2*x^4-3*x^3-2*x+1)$  ogf]  
A196468 10.8104 [  $-(53-20*x+16*x^3+40*x^4-82*x^2)/(x-1)/(4*x^2+4*x-1)/(10*x^2+2*x-11)$  lgdogf]  
A196468 13.3971 [  $-(10*x^2+2*x-11)/(x-1)/(4*x^2+4*x-1)$  ogf]  
A196468 7.51878 [  $\{-a(n+3)+5*a(n+2)-4*a(n), a(0) = 11, a(1) = 53, a(2) = 255\}$ , ogf]  
A196472 5.46626 [  $\{a(n+3)-4*a(n+2)+3*a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]  
A196472 9.05233 [  $-(3-2*x+6*x^3+3*x^4-5*x^2)/(x-1)/(3*x^2+3*x-1)/(x^2+x-1)$  lgdogf]  
A196472 9.79802 [  $-(x^2+x-1)/(x-1)/(3*x^2+3*x-1)$  ogf]  
A196479 5.50775 [  $-(3*x^7-3*x^6+3*x^5+4*x^4+4*x^3-2*x^2-3)/(x^8-x^7+x^6+3*x^5+3*x^4-4*x^3-2*x+1)$  ogf]  
A196488 4.67871 [  $-(x^7+3*x^6+8*x^5+9*x^4+5*x^3+5*x^2+2*x+1)/(x^8+4*x^7+9*x^6+15*x^5+10*x^4+6*x^3+x^2+x-1)$  ogf]  
A196506 14.7478 [  $-2*(20+25*x+x^3-6*x^2)/(x-1)/(x^3-5*x^2+15*x+5)$  lgdogf]  
A196506 4.59833 [  $\{(2*n+9)*a(n+1)+(-4*n-12)*a(n+2)+(2*n+3)*a(n+3), a(0) = 0, a(1) = 15, a(2) = 120\}$ , ogf]  
A196506 7.48452 [  $-3*x*(x^3-5*x^2+15*x+5)/(x-1)^5$  ogf]  
A196507 18.8941 [  $-(-25-13*x+2*x^2)/(x-1)/(x^2-5*x-5)$  lgdogf]  
A196507 3.61269 [  $\{(-15-5*n)*a(n+4)+25*a(n+3)+(19+6*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 10, a(2) = 50, a(3) = 138\}$ , ogf]  
A196507 8.95948 [  $-2*x*(x^2-5*x-5)/(x-1)^4$  ogf]



A196508 12.7310  $-( -5+12*x+8*x^3-14*x^2)/(x-1)/(2*x-1)/(2*x^2-2*x+1)$  lgdogf  
A196508 8.78891  $[ 4*x*(2*x^2-2*x+1)/(x-1)/(2*x-1)^3$  ogf]  
A196512 12.5426  $[ (9*x-1)/(28*x-1)$  ogf]  
A196512 24.5150  $19/(28*x-1)/(9*x-1)$  lgdogf  
A196512 6.44077  $[ \{a(n+2)-28*a(n+1), a(0) = 1, a(1) = 19\},$  ogf]  
A196513 13.0364  $-(154+294*x+8*x^3-51*x^2)/(x-1)/(4*x^3-21*x^2+84*x+14)$  lgdogf  
A196513 4.63812  $[ \{(3*n+13)*a(n+1)+(-6*n-17)*a(n+2)+(3*n+4)*a(n+3), a(0) = 0,$   
 $a(1) = 28, a(2) = 308\},$  ogf]  
A196513 7.51863  $[ -2*x*(4*x^3-21*x^2+84*x+14)/(x-1)^5$  ogf]  
A196514 12.5242  $[ 4*x/(x-1)/(2*x-1)^3$  ogf]  
A196514 29.5193  $-( -7+8*x)/(2*x-1)/(x-1)$  lgdogf  
A196514 4.56179  $[ \{(n+2)*a(n+3)+(-10-3*n)*a(n+2)+(8+2*n)*a(n+1), a(0) = 0, a(1) =$   
 $4, a(2) = 28\},$  ogf]  
A196537 9.05325  $[ (x-1)*(x^2+3*x+1)/(x^4+3*x^3+x^2+x-1)$  ogf]  
A196537 9.11152  $-( -3+2*x-18*x^3+x^6+4*x^5-x^4-10*x^2)/(x-1)/(x^2+3*x+1)/$   
 $(x^4+3*x^3+x^2+x-1)$  lgdogf  
A196563 8.14820  $[ -(x^{21}+x^{20}+x^{10}+1)/(x-1)/(x+1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)$   
ogf]  
A196564 9.27481  $[ -x*(2*x^{10}+x^9+1)/(x-1)/(x+1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A196570 7.35307  $[ -2*x*(x^4-x^3-2*x^2+x+2)/(x+1)/(2*x^5-4*x^4+2*x^2+2*x-1)$  ogf]  
A196573 6.64524  $[ (x^5-3*x^4-4*x^3+8*x^2+x+1)/(x+1)/(x^5-x^4-4*x^3+x^2-3*x+1)$   
ogf]  
A196574 3.42521  $[ -(x^9+x^8-10*x^7+13*x^6-55*x^5+55*x^4-31*x^3+14*x^2+5*x+1)/$   
 $(x^{10}-4*x^9+x^8-17*x^7+32*x^6+12*x^5+20*x^4+39*x^3+9*x^2+2*x-1)$  ogf]  
A196584 5.87572  $[ -(3*x^5+7*x^4+x^3-7*x^2-6*x-1)/$   
 $(x^7+2*x^6+x^5+3*x^4-4*x^3-6*x^2-x+1)$  ogf]  
A196593 11.1506  $-2*(-1+3*x+7*x^3+4*x^5-7*x^2)/(x-1)/(2*x-1)/$   
 $(4*x^4-6*x^3+8*x^2-4*x+1)$  lgdogf  
A196593 8.24481  $[ -(4*x^4-6*x^3+8*x^2-4*x+1)/(2*x-1)/(x-1)^4$  ogf]  
A196596 7.74278  $[ -(4*x^3-8*x^2-x-1)/(x^5-x^4-3*x^3-2*x^2-2*x+1)$  ogf]  
A196597 4.02259  $[ -(x^7+4*x^6-16*x^5+15*x^4-18*x^3+14*x^2+5*x+1)/$   
 $(x^8-5*x^7+6*x^6-3*x^5-9*x^4+10*x^3+9*x^2+2*x-1)$  ogf]  
A196630 11.3024  $[ -(3*x^3-1)/(x^4-x^3-x^2-2*x+1)$  ogf]  
A196630 11.6299  $-(2+2*x+8*x^3+3*x^6+3*x^4-6*x^2)/(x^4-x^3-x^2-2*x+1)/(3*x^3-1)$   
lgdogf  
A196631 4.35495  $[ (x^9-6*x^8-4*x^7+10*x^6-30*x^5+21*x^4-5*x^3+6*x^2+2*x+1)/$   
 $(4*x^9+x^8+12*x^6-5*x^5-5*x^4-4*x^3-3*x+1)$  ogf]  
A196655 15.9051  $[ -(80*x-73)/(2*x-1)/(x-1)$  ogf]  
A196655 16.6834  $-(139-292*x+160*x^2)/(x-1)/(2*x-1)/(80*x-73)$  lgdogf  
A196655 8.79460  $[ \{a(n+2)-3*a(n+1)+2*a(n), a(0) = 73, a(1) = 139\},$  ogf]  
A196657 15.8744  $[ -(128*x-127)/(2*x-1)/(x-1)$  ogf]  
A196657 16.6169  $-(253-508*x+256*x^2)/(x-1)/(2*x-1)/(128*x-127)$  lgdogf  
A196657 9.04472  $[ \{a(n+2)-3*a(n+1)+2*a(n), a(0) = 127, a(1) = 253\},$  ogf]  
A196661 19.0475  $[ (2*x-1)/(7*x-1)$  ogf]  
A196661 40.7290  $5/(7*x-1)/(2*x-1)$  lgdogf  
A196661 9.78829  $[ \{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 5\},$  ogf]  
A196662 18.8279  $[ (3*x-1)/(10*x-1)$  ogf]  
A196662 39.0713  $7/(10*x-1)/(3*x-1)$  lgdogf  
A196662 9.80085  $[ \{a(n+2)-10*a(n+1), a(0) = 1, a(1) = 7\},$  ogf]  
A196663 19.0781  $[ (4*x-1)/(13*x-1)$  ogf]  
A196663 39.6102  $9/(13*x-1)/(4*x-1)$  lgdogf  
A196663 9.93105  $[ \{a(n+2)-13*a(n+1), a(0) = 1, a(1) = 9\},$  ogf]  
A196664 18.2865  $[ (5*x-1)/(16*x-1)$  ogf]  
A196664 35.9532  $11/(16*x-1)/(5*x-1)$  lgdogf  
A196664 9.39038  $[ \{a(n+2)-16*a(n+1), a(0) = 1, a(1) = 11\},$  ogf]  
A196665 17.0380  $[ (6*x-1)/(19*x-1)$  ogf]  
A196665 33.4674  $13/(19*x-1)/(6*x-1)$  lgdogf  
A196665 8.74923  $[ \{a(n+2)-19*a(n+1), a(0) = 1, a(1) = 13\},$  ogf]  
A196666 17.6465  $[ (7*x-1)/(22*x-1)$  ogf]  
A196666 34.6844  $15/(22*x-1)/(7*x-1)$  lgdogf  
A196666 9.06170  $[ \{a(n+2)-22*a(n+1), a(0) = 1, a(1) = 15\},$  ogf]

A196676 14.1548 [ (8\*x-1)/(25\*x-1) ogf]  
A196676 27.7259 17/(25\*x-1)/(8\*x-1) lgdogf  
A196676 7.26868 [{a(n+2)-25\*a(n+1), a(0) = 1, a(1) = 17}], ogf]  
A196678 3.87110 [ {(256\*n^3+1920\*n^2+4784\*n+3960)\*a(n  
+1)+(-27\*n^3-243\*n^2-708\*n-660)\*a(n+2), a(0) = 1, a(1) = 5}], ogf]  
A196690 7.94162 (5+2\*x+12\*x^3+3\*x^6-2\*x^5-6\*x^4+4\*x^2)/(2\*x^4-3\*x^3-5\*x^2+x+2)/  
(x^4-3\*x^2-2\*x+1) lgdogf  
A196690 8.42029 [ (2\*x^4-3\*x^3-5\*x^2+x+2)/(x^4-3\*x^2-2\*x+1) ogf]  
A196700 10.3747 [ (x^3-x^2-x-1)/(x^3+x^2+x-1) ogf]  
A196700 14.9308 2\*(1+2\*x+2\*x^3+x^4)/(x^3+x^2+x-1)/(x^3-x^2-x-1) lgdogf  
A196700 5.42311 [ {-a(n+4)+a(n+3)+a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 4,  
a(3) = 6}], ogf]  
A196701 4.76707 [ (2\*x^7-x^6-7\*x^5-6\*x^4-22\*x^3-19\*x^2-9\*x-2)/(2\*x^7+2\*x^6-  
x^5+9\*x^4+16\*x^3+4\*x^2+x-1) ogf]  
A196731 13.1222 [ (x-1)/(12\*x-1) ogf]  
A196731 28.6654 11/(12\*x-1)/(x-1) lgdogf  
A196731 6.73845 [{a(n+2)-12\*a(n+1), a(0) = 1, a(1) = 11}], ogf]  
A196741 4.56844 [ -(2\*x^7-2\*x^6-10\*x^5+2\*x^4+4\*x^3+9\*x^2+x+1)/  
(x^8-5\*x^7+4\*x^6-11\*x^5+2\*x^4+12\*x^3+5\*x^2+2\*x-1) ogf]  
A196781 5.87572 [ -(4\*x^5-8\*x^4+5\*x^3-9\*x^2-x-1)/  
(2\*x^7-2\*x^6-6\*x^5-3\*x^4-4\*x^3-2\*x^2-2\*x+1) ogf]  
A196782 3.24061 [ -(3\*x^9+12\*x^8-17\*x^7+x^6-47\*x^5+13\*x^4-18\*x^3+15\*x^2+5\*x+1)/  
(3\*x^10-13\*x^9+13\*x^8-14\*x^7-28\*x^6-6\*x^5-x^4+15\*x^3+10\*x^2+2\*x-1) ogf]  
A196789 4.41240 [ -(11\*x^5+165\*x^4+462\*x^3+330\*x^2+55\*x+1)/(x-1)^11 ogf]  
A196789 6.27780 [ {(2\*n^2+27\*n+91)\*a(n+1)+(-2\*n^2-7\*n-6)\*a(n+2), a(0) = 1, a(1) =  
66}], ogf]  
A196789 9.25777 -22\*(x+3)\*(3\*x+1)\*(x+1)\*(x^2+14\*x+1)/(x-1)/  
(11\*x^5+165\*x^4+462\*x^3+330\*x^2+55\*x+1) lgdogf  
A196790 3.69092 [ -(x^5+55\*x^4+330\*x^3+462\*x^2+165\*x+11)/(x-1)^11 ogf]  
A196790 5.08591 [ {(2\*n^2+29\*n+105)\*a(n+1)+(-2\*n^2-9\*n-10)\*a(n+2), a(0) = 11,  
a(1) = 286}], ogf]  
A196790 6.96010 -2\*(143+1287\*x+1430\*x^3+3\*x^5+195\*x^4+2574\*x^2)/(x-1)/  
(x^5+55\*x^4+330\*x^3+462\*x^2+165\*x+11) lgdogf  
A196791 12.2072 [ -(11\*x-1)/(12\*x-1)/(x-1) ogf]  
A196791 13.6706 -2\*(1-12\*x+66\*x^2)/(x-1)/(12\*x-1)/(11\*x-1) lgdogf  
A196791 6.97552 [{a(n+2)-13\*a(n+1)+12\*a(n), a(0) = 1, a(1) = 2}], ogf]  
A196792 12.4525 [ -(12\*x-1)/(13\*x-1)/(x-1) ogf]  
A196792 13.9510 -2\*(1-13\*x+78\*x^2)/(x-1)/(13\*x-1)/(12\*x-1) lgdogf  
A196792 7.11573 [{a(n+2)-14\*a(n+1)+13\*a(n), a(0) = 1, a(1) = 2}], ogf]  
A196794 33.4394 exp(x)\*(exp(-x)+2+2\*x) lgdegf  
A196795 32.2442 exp(x)\*(exp(-x)+3+3\*x) lgdegf  
A196804 6.28138 [ (4\*x^5-12\*x^4-4\*x^3+8\*x^2+x+1)/  
(4\*x^6-3\*x^5-17\*x^4-3\*x^3-2\*x^2-2\*x+1) ogf]  
A196834 73.3954 5+exp(x) lgdegf  
A196835 97.3711 5-exp(x) lgdegf  
A196836 8.95977 [ -(5\*x-2)\*(5\*x^2-5\*x+1)/(x-1)/(3\*x-1)/(2\*x-1)/(4\*x-1) ogf]  
A196850 4.75547 [ (6\*x^7-x^6-2\*x^5-x^4-20\*x^3-19\*x^2-9\*x-2)/  
(2\*x^7+2\*x^6-3\*x^5+10\*x^4+17\*x^3+4\*x^2+x-1) ogf]  
A196858 6.39541 [ -(x^5-2\*x^4+2\*x^3-2\*x^2-x-1)/(x^6-2\*x^5+2\*x^4-3\*x^3+x^2-2\*x+1)  
ogf]  
A196859 3.60983 [ -(3\*x^9+5\*x^8+6\*x^7+13\*x^6+11\*x^5-2\*x^4-x^3-x^2-x-1)/  
(3\*x^10+8\*x^9+8\*x^8+6\*x^7+3\*x^6-x^5+x^4-2\*x^3+x^2-3\*x+1) ogf]  
A196864 3.04875 [ {(17496\*n^2+5832\*n)\*a(n)+(972\*n^2+3240\*n+2376)\*a(n  
+1)+(54\*n^2+180\*n+132)\*a(n+2)+(3\*n^2+19\*n+30)\*a(n+3), a(0) = 1, a(1) = 3, a(2) =  
-9}], ogf]  
A196865 3.04875 [ {(17496\*n^2-5832\*n)\*a(n)+(-972\*n^2-2592\*n-1404)\*a(n  
+1)+(54\*n^2+144\*n+78)\*a(n+2)+(-3\*n^2-17\*n-24)\*a(n+3), a(0) = 1, a(1) = 3, a(2) =  
18}], ogf]  
A196875 10.2852 [ (x^5-3\*x^4+2\*x-1)/(x^4+x^3+x^2+x-1)/(x-1)^2 ogf]  
A196875 8.01674 -(1-3\*x+13\*x^3-5\*x^8-2\*x^7-2\*x^6+14\*x^5-24\*x^4+x^9+x^2)/(x-1)/  
(x^4+x^3+x^2+x-1)/(x^5-3\*x^4+2\*x-1) lgdogf

A196876 10.2231 [  $(4x^8-6x^7+2x-1)/(x^7+x^6+x^5+x^4+x^3+x^2+x-1)/(x-1)^2$  ogf]  
A196899 3.67241 [  $(2x^9-7x^8-11x^7+17x^6+14x^5+18x^4-2x^3-7x^2-x-1)/(2x^{10}+x^9-14x^8-6x^7+2x^6-33x^5-2x^4+8x^3+7x^2+2x-1)$  ogf]  
A196906 7.16802 [  $-(x^5+x^4-3x^3-3x^2-4x-2)/(x^6-2x^4-3x^3-2x^2-x+1)$  ogf]  
A196917 9.14244 [  $(x^4-3x^3+x^2+x+1)/(x^4-x^3-2x+1)$  ogf]  
A196917 9.32746  $(3+2x+14x^3+2x^6-2x^5-8x^4-8x^2)/(x^4-3x^3+x^2+x+1)/(x^4-x^3-2x+1)$  lgdogf  
A196918 4.73479 [  $(6x^8+7x^7-11x^6-17x^5-x^4-x^2+1)/(3x^8+8x^7+5x^6+x^5+x^4-x^3+3x^2-4x+1)$  ogf]  
A196933 14.5724 [  $-(x^{10}+x^9+1)/(x^{11}-1)$  ogf\_with\_Euler\_transform]  
A196952 4.12419 [  $(x^9-2x^8-6x^7-2x^6+12x^5+11x^4-x^3-5x^2-6x-3)/(x^9-6x^7-9x^6+x^5+10x^4+8x^3+4x^2+x-1)$  ogf]  
A196961 5.87572 [  $-(4x^6-5x^5-8x^4-4x^3-3x^2+2x+2)/(x-1)/(2x^6-x^5-6x^4-6x^3-4x^2-x+1)$  ogf]  
A196976 6.58552  $-(5+3x+2x^2+3x^3+x^8-5x^7+x^6-5x^5-x^4+x^9+6x^2)/(1+x)/(x^6+2x^4-4x^3-x^2-2x+1)/(x^3-x-1)$  lgdogf  
A196976 6.79646 [  $-(x^3-x-1)*(x+1)^2/(x^6+2x^4-4x^3-x^2-2x+1)$  ogf]  
A196984 4.01628 [  $-(2x^8+5x^7+3x^6-4x^5-7x^4-3x^3-5x^2-2x-1)/(x^9+4x^8+4x^7-4x^6-14x^5-11x^4-6x^3-2x^2-x+1)$  ogf]  
A197049 7.46520  $(-2-6x-4x^3+x^8-8x^7+2x^6+4x^5+6x^4-5x^2)/(x^5+x^4-3x^3-x^2-x+1)/(x^5+x^3-2x^2-x-1)$  lgdogf  
A197049 7.53262 [  $-2*(x^5+x^3-2x^2-x-1)/(x^5+x^4-3x^3-x^2-x+1)$  ogf]  
A197050 5.98087 [  $(x^6-2x^5-3x^4-3x^3+3x^2+3x+3)/(x^6+2x^5+x^4-3x^3-3x^2-x+1)$  ogf]  
A197056 7.93769 [  $-(x^5+2x^4+4x^3+3x^2+2x+1)/(x+1)/(x^5+2x^3-2x^2+2x-1)$  ogf]  
A197057 4.88103 [  $-(x+1)*(x^2+x+1)*(2x^5+x^4-2x^2-x-1)/(2x^9+3x^8+x^7-2x^6-3x^5-2x^4-x^3-x+1)$  ogf]  
A197083 3.96854 [  $\{(575n^2+3662n+5811)*a(n+1)+(-952n^2-4743n-12815)*a(n+2)+(377n^2+2071n+2634)*a(n+3), a(0) = 0, a(1) = 10, a(2) = 96\}$ , ogf]  
A197083 7.70590 [  $x*(x^3+19x^2+36x+10)/(x-1)^6$  ogf]  
A197092 8.80568  $-(7+8x+4x^3+2x^6-2x^5-9x^4+7x^2)/(x^4-3x^3-2x^2-x+1)/(2x^3-x^2-5x-1)$  lgdogf  
A197092 9.63264 [  $-(2x^3-x^2-5x-1)/(x^4-3x^3-2x^2-x+1)$  ogf]  
A197102 6.62948 [  $(8x^5-7x^3-6x^2+2x+2)/(4x^5+4x^4-3x^3-5x^2-2x+1)$  ogf]  
A197174 4.77379 [  $-(x+1)*(3x^6-6x^4-x^3-3x^2+2x+1)/(x^8+x^7-2x^6-4x^5-x^4+2x^3+x^2+2x-1)$  ogf]  
A197189 17.3041 [  $(x-1)/(5x^2+3x-1)$  ogf]  
A197189 21.2682  $-(2-10x+5x^2)/(x-1)/(5x^2+3x-1)$  lgdogf  
A197189 9.49617 [  $\{-a(n+2)+3a(n+1)+5a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A197192 48.6368  $-70/(-1+7x)$  lgdogf  
A197192 5.61296 [  $\{(-n-2)*a(n+2)+(77+7n)*a(n+1), a(0) = 1, a(1) = 70\}$ , ogf]  
A197193 70.6493  $-77/(-1+7x)$  lgdogf  
A197193 8.11108 [  $\{(-n-2)*a(n+2)+(84+7n)*a(n+1), a(0) = 1, a(1) = 77\}$ , ogf]  
A197194 66.7406  $-90/(-1+9x)$  lgdogf  
A197194 7.66665 [  $\{(-n-2)*a(n+2)+(99+9n)*a(n+1), a(0) = 1, a(1) = 90\}$ , ogf]  
A197201 5.13029 [  $-(x+1)*(4x^6-x^5-3x^4-7x^3+2x+1)/(2x^8+x^7-8x^5-4x^4+2x^3+4x^2+2x-1)$  ogf]  
A197209 3.02402 [  $\{(8n^2+64n+120)*a(n+1)+(7n^2+63n+138)*a(n+2)+(-n^2-10n-21)*a(n+3), a(0) = 3, a(1) = 24, a(2) = 180\}$ , ogf]  
A197211 7.82712  $-(1+x)*(x^7-3x^6+7x^5-5x^4+12x^3-2x^2+4x+2)/(x^5+2x^3+x^2+x-1)/(x^4-x^3+2x^2+x+1)$  lgdogf  
A197211 8.35855 [  $-(x^4-x^3+2x^2+x+1)/(x^5+2x^3+x^2+x-1)$  ogf]  
A197229 6.64193 [  $-(2x^5+x^4+4x^3-2x^2-6x-1)/(x^6+x^5+x^4-2x^3-3x^2-x+1)$  ogf]  
A197244 8.56599 [  $-2*(x-1)*(x+1)^3/(2x^5-x^4-2x^3-4x^2+1)$  ogf]  
A197244 9.19243  $-2*(1+2x+4x^3+x^6+2x^5-5x^4-x^2)/(x-1)/(1+x)/(2x^5-x^4-2x^3-4x^2+1)$  lgdogf  
A197271 5.59622 [  $\{(256n^3+1152n^2+1712n+840)*a(n+1)+(-27n^3-189n^2-438n-336)*a(n+2), a(0) = 5, a(1) = 2\}$ , ogf]  
A197272 3.27491 [  $\{(3125n^4+18750n^3+41875n^2+41250n+15120)*a(n$

+1)+(-256\*n^4-2176\*n^3-6896\*n^2-9656\*n-5040)\*a(n+2), a(0) = 3, a(1) = 1}], ogf]  
A197274 5.87215 [ -(2\*x^4+x^2+3\*x-3)\*(x+1)^2/(2\*x^7+x^6+2\*x^5+2\*x^4-2\*x^3-2\*x+1) ogf]  
A197311 6.48742 [ (6\*x^6-7\*x^5-2\*x^4+5\*x^3-3\*x^2-x+1)/(3\*x^2-1)/(x^5-3\*x^3+3\*x^2+x-1) ogf]  
A197321 58.5300 -88/(-1+8\*x) lgdogf  
A197321 6.73510 [ {(-n-2)\*a(n+2)+(96+8\*n)\*a(n+1), a(0) = 1, a(1) = 88}, ogf]  
A197337 3.27481 [ -(3\*x^11-6\*x^10-7\*x^9-5\*x^8-8\*x^7+7\*x^6+8\*x^5+12\*x^3+x^2+3\*x+1)/(2\*x^12-4\*x^11-6\*x^10-4\*x^9-3\*x^8+2\*x^7+6\*x^6+4\*x^5+7\*x^4+4\*x^3+2\*x-1) ogf]  
A197344 7.75613 [ -(4\*x^4-3\*x^3-7\*x^2-1)/(4\*x^5-7\*x^4-4\*x^3-x^2-x+1) ogf]  
A197355 6.01229 [ {(-2\*n-4)\*a(n+1)+a(n+3)-8\*a(n+2), a(0) = 1, a(1) = 8, a(2) = 66}, ogf]  
A197368 5.01795 [ -(9\*x^7-9\*x^6-37\*x^5+17\*x^4-32\*x^3+24\*x^2+x+1)/(3\*x^8-5\*x^7-7\*x^6-3\*x^4+7\*x^3+2\*x^2+2\*x-1) ogf]  
A197403 4.14132 [ -(2\*x^6+8\*x^5-3\*x^4-9\*x^3-7\*x^2-3\*x+3)\*(x+1)^2/(2\*x^9+5\*x^8-12\*x^7-30\*x^6-39\*x^5-10\*x^4+7\*x^3+4\*x^2+2\*x-1) ogf]  
A197424 7.06203 [ -(x^4-5\*x^3-15\*x^2+16\*x+4)/(x-1)/(x^2+3\*x+1)/(x^2-7\*x+1) ogf]  
A197435 7.64963 2\*(3+4\*x+12\*x^3+6\*x^6+8\*x^5+18\*x^4+13\*x^2)/(6\*x^4+3\*x^3+2\*x^2-3\*x-3)/(2\*x^4+3\*x^3+2\*x^2+x-1) lgdogf  
A197435 8.43806 [ (6\*x^4+3\*x^3+2\*x^2-3\*x-3)/(2\*x^4+3\*x^3+2\*x^2+x-1) ogf]  
A197444 4.92389 [ (3\*x^7-x^6-7\*x^5-7\*x^4+5\*x^3+8\*x^2-x-2)/(x-1)/(x^7+5\*x^6+5\*x^5+4\*x^4-2\*x^3-6\*x^2-x+1) ogf]  
A197469 7.73127 2\*(2\*x+1)\*(4\*x^4-2\*x^3-x^2-x-1)\*(x^2+x+1)/(2\*x-1)/(1+2\*x^2+x)/(2\*x^5+4\*x^4+2\*x^3+4\*x^2+x+1) lgdogf  
A197469 9.31699 [ -(2\*x^5+4\*x^4+2\*x^3+4\*x^2+x+1)/(2\*x-1)/(2\*x^2+x+1) ogf]  
A197497 9.14472 [ -(1+16\*x+2\*x^3+3\*x^6-14\*x^5+17\*x^4-10\*x^2)/(3\*x^3-7\*x^2-1)/(x^4-2\*x^3-x^2-x+1) lgdogf  
A197497 9.96266 [ -(3\*x^3-7\*x^2-1)/(x^4-2\*x^3-x^2-x+1) ogf]  
A197524 4.06084 [ -(73\*x^7-181\*x^6+31\*x^5+39\*x^4-20\*x^3+24\*x^2+x+1)/(16\*x^9-9\*x^8-99\*x^7+31\*x^6+21\*x^5+10\*x^4+19\*x^3+2\*x^2+2\*x-1) ogf]  
A197531 5.83118 [ -(2\*x^5+x^4-2\*x^3-2\*x^2-6\*x+3)\*(x+1)^2/(x^3+x^2+x-1)/(x^5-x^3-x^2-2\*x+1) ogf]  
A197539 5.59968 [ -(6\*x^7-7\*x^6+3\*x^5+5\*x^4-9\*x^3-3\*x^2-4\*x-1)/(2\*x^8-3\*x^7+x^6+3\*x^5-4\*x^4-2\*x^3-x+1) ogf]  
A197602 10.2314 [ (x^6-3\*x^5+6\*x^4-14\*x^3+25\*x^2-17\*x+8)/(x-1)^4 ogf]  
A197602 12.4812 [ (-15+x-10\*x^3+2\*x^6-9\*x^5+15\*x^4-8\*x^2)/(x-1)/(x^6-3\*x^5+6\*x^4-14\*x^3+25\*x^2-17\*x+8) lgdogf  
A197603 12.5050 [ (39+12\*x-34\*x^3+x^6-6\*x^5+21\*x^4+87\*x^2)/(x-1)/(x^6-21\*x^4+59\*x^3-88\*x^2+41\*x-16) lgdogf  
A197603 9.51722 [ (x^6-21\*x^4+59\*x^3-88\*x^2+41\*x-16)/(x-1)^5 ogf]  
A197604 5.10695 [ (x^15-5\*x^14+10\*x^13-10\*x^12+5\*x^11-5\*x^9+11\*x^8-13\*x^7+16\*x^6-62\*x^5+191\*x^4-265\*x^3+309\*x^2-95\*x+32)/(x-1)^6 ogf]  
A197605 4.45608 [ (x^9-3\*x^8+15\*x^7-125\*x^6+455\*x^5-1017\*x^4+821\*x^3-1007\*x^2+204\*x-64)/(x-1)^7 ogf]  
A197607 4.59831 [ -(x+1)\*(x^6+2\*x^4-5\*x^3-x^2-2\*x-1)/(x^8+x^7-2\*x^6-2\*x^5-x^4-4\*x^3-x^2-2\*x+1) ogf]  
A197617 14.3213 [ -8\*x^2/(x^4+4\*x^3+x^2-1) ogf]  
A197617 18.8708 -2\*x\*(1+2\*x^2+6\*x)/(-1+x^2+4\*x^3+x^4) lgdogf  
A197642 6.34526 [ -(8\*x^5+23\*x^4-6\*x^3-6\*x^2-1)/(x-1)/(8\*x^5+17\*x^4+3\*x^3+2\*x^2+x-1) ogf]  
A197649 11.4607 [ x\*(x+1)/(x^2-3\*x+1)^2 ogf]  
A197649 24.0778 [ -(7+x+3\*x^2)/(1+x)/(x^2-3\*x+1) lgdogf  
A197649 3.83964 [ {(n+3)\*a(n+4)+(-11-2\*n)\*a(n+3)+(-1-2\*n)\*a(n+2)+(n+3)\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 7, a(3) = 31}, ogf]  
A197652 14.4065 [ x\*(9\*x+1)/(x+1)/(x-1)^2 ogf]  
A197652 22.4749 -2\*(5+6\*x+9\*x^2)/(x-1)/(9\*x+1)/(1+x) lgdogf  
A197652 7.33188 [ {a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 10}, ogf]  
A197666 3.97791 [ -(x-1)\*(2\*x^6+15\*x^5-3\*x^4-20\*x^3-11\*x^2-3\*x+3)\*(x+1)^2/

$(x^5+6x^4-7x^3-x^2-2x+1)/(x^5-x^4-4x^3-5x^2-x+1)$  ogf]
   
 A197773 7.90661 [  $(x^6-3x^5+5x^4-11x^3+22x^2-16x+8)/(x-1)^4$  ogf]
   
 A197773 9.38764  $(-16+4x-9x^2+2x^3-9x^4+15x^5-11x^6)/(x-1)/(x^6-3x^5+5x^4-11x^3+22x^2-16x+8)$  lgdogf
   
 A197883 5.52080 [  $-x*(7x^7-5x^5+9x^4-x^3-2x^2-3x-4)/(x-1)/(5x^8+5x^7-2x^6+2x^5+5x^4+4x^3+2x^2-x-1)$  ogf]
   
 A197903 7.01258 [  $(x^6-x^5-17x^4+53x^3-84x^2+40x-16)/(x-1)^5$  ogf]
   
 A197903 9.51339  $(40+8x-38x^2+x^3-6x^4+22x^5+93x^6)/(x-1)/(x^6-x^5-17x^4+53x^3-84x^2+40x-16)$  lgdogf
   
 A197904 3.94377 [  $(x^{15}-5x^{14}+10x^{13}-10x^{12}+5x^{11}-5x^9+11x^8-13x^7+15x^6-57x^5+181x^4-255x^3+304x^2-94x+32)/(x-1)^6$  ogf]
   
 A197905 4.48260 [  $(x^9-3x^8+14x^7-119x^6+440x^5-997x^4+806x^3-1001x^2+203x-64)/(x-1)^7$  ogf]
   
 A197916 10.3570  $-2*(-3-4x-3x^2+5x^3+x^4-8x^5+4x^6)/(x-1)/(1+x)/(1+x^2)/(5x^3-x^2-5x-1)$  lgdogf
   
 A197916 11.0979 [  $-x*(5x^3-x^2-5x-1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]
   
 A197985 10.2614 [  $(x^3-5x^2+6x-4)/(x-1)^3$  ogf]
   
 A197985 19.7946  $2*(3-x+x^2)/(x-1)/(x^3-5x^2+6x-4)$  lgdogf
   
 A197985 5.28387 [  $\{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 4, a(1) = 6, a(2) = 11, a(3) = 18\}$ , ogf]
   
 A197986 5.40217 [  $(x^9-3x^8+3x^7-x^6+x^5-x^4-7x^3+21x^2-16x+8)/(x-1)^4$  ogf]
   
 A197988 6.65846 [  $(x^7+x^5+x^4+2x^3+2x+1)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]
   
 A198014 6.56935 [  $(3x^5+2x^4+5x^3+6x^2+6x+2)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]
   
 A198015 3.94950 [  $-(x^{11}-x^{10}+x^9-4x^8-5x^7-10x^6-9x^5-11x^4-4x^3-7x^2-2x-1)/(x^2+1)/(x^2+x+1)/(x+1)^3/(x-1)^6$  ogf]
   
 A198016 4.29039 [  $-(2x^8-5x^7-x^6-13x^5-8x^4-13x^3-9x^2-3x-2)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^6$  ogf]
   
 A198017 13.9617 [  $(x^2-7x-1)/(x-1)^3$  ogf]
   
 A198017 25.3388  $-(-10-12x+x^2)/(x-1)/(x^2-7x-1)$  lgdogf
   
 A198017 7.47074 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 10, a(2) = 26\}$ , ogf]
   
 A198071 3.33810 [  $(x^{11}-6x^{10}+16x^9-24x^8+36x^7-146x^6+476x^5-1032x^4+827x^3-1008x^2+204x-64)/(x-1)^7$  ogf]
   
 A198080 14.1508 [  $-4x/(27x-1)/(x-1)^2$  ogf]
   
 A198080 25.7910  $-(-29+81x)/(27x-1)/(x-1)$  lgdogf
   
 A198080 5.85549 [  $\{a(n+3)-29a(n+2)+55a(n+1)-27a(n), a(0) = 0, a(1) = 4, a(2) = 116\}$ , ogf]
   
 A198148 12.8123  $-(-1-30x-20x^2+2x^3-5x^4)/(x-1)/(x+1)/(-3-6x^2+x^4-x)$  lgdogf
   
 A198148 6.56444 [  $\{(n+5)a(n+1)+(-n-1)a(n+3), a(0) = 0, a(1) = 3, a(2) = 1\}$ , ogf]
   
 A198148 9.80404 [  $x*(x^4-6x^2-x-3)/(x-1)^3/(x+1)^3$  ogf]
   
 A198179 5.05195 [  $-x*(7x^7+3x^6-6x^5+x^4+x^3+4x^2-3x-4)/(x-1)/(3x^8+4x^7+2x^4+4x^3+2x^2-x-1)$  ogf]
   
 A198205 4.19383 [  $\{-a(n+3)+23a(n+2)-103a(n+1)+81a(n), a(0) = 4, a(1) = 43, a(2) = 658\}$ , ogf]
   
 A198205 6.42073  $-(43-662x+4156x^2-7938x^3+6561x^4)/(x-1)/(81x^2-22x+1)/(81x^2-49x+4)$  lgdogf
   
 A198205 7.44875 [  $-(81x^2-49x+4)/(x-1)/(81x^2-22x+1)$  ogf]
   
 A198247 3.34308 [  $-(444x^7+287x^6-395x^5-185x^4+126x^3+25x^2-15x+1)/(x-1)/(x+1)/(8x^3-x^2-4x+1)/(64x^3+23x^2-16x+1)$  ogf]
   
 A198271 7.53474 [  $-x*(x^{19}-x^{18}-4x^{14}-3x^{13}-4x^{12}-3x-4)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]
   
 A198272 7.21815 [  $x*(4x^7+4x^6+4x^5+5x^4+4x^3+4x^2+4x+4)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]
   
 A198274 16.4393 [  $-(11x-12)/(2x-1)/(x-1)$  ogf]
   
 A198274 18.5100  $-(25-48x+22x^2)/(x-1)/(11x-12)/(2x-1)$  lgdogf

A198274 9.19819 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 12, a(1) = 25\}$ , ogf]  
A198275 16.6585 [ $-(15x-16)/(2x-1)/(x-1)$  ogf]  
A198275 18.7613  $-(33-64x+30x^2)/(x-1)/(15x-16)/(2x-1)$  lgdogf  
A198275 9.32083 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 16, a(1) = 33\}$ , ogf]  
A198276 16.7316 [ $-(17x-18)/(2x-1)/(x-1)$  ogf]  
A198276 18.8451  $-(37-72x+34x^2)/(x-1)/(2x-1)/(17x-18)$  lgdogf  
A198276 9.36171 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 18, a(1) = 37\}$ , ogf]  
A198279 10.9280 [ $-(3x^2-1)/(8x^3-x^2-4x+1)$  ogf]  
A198279 12.7122  $-4(1-x+6x^4-3x^2)/(3x^2-1)/(8x^3-x^2-4x+1)$  lgdogf  
A198279 5.51237 [ $\{a(n+3)-4a(n+2)-a(n+1)+8a(n), a(0) = 1, a(1) = 4, a(2) = 14\}$ , ogf]  
A198280 3.52439 [ $-2(576x^8-148x^6-116x^5-31x^4+35x^3+4x^2+x-1)/(2048x^9-64x^8-512x^7-492x^6-68x^5+145x^4+20x^3+2x^2-8x+1)$  ogf]  
A198287 4.69027 [ $\{-a(n+3)+23a(n+2)-103a(n+1)+81a(n), a(0) = 2, a(1) = 17, a(2) = 272\}$ , ogf]  
A198287 8.33048 [ $-(87x^2-29x+2)/(x-1)/(81x^2-22x+1)$  ogf]  
A198306 10.3140  $-2(6+25x+25x^4-25x^3-35x^2)/(x-1)/(5x^2-1)/(10x^2-5x-7)$  lgdogf  
A198306 10.6953 [ $-(10x^2-5x-7)/(x-1)/(5x^2-1)$  ogf]  
A198306 5.81674 [ $\{a(n+3)-a(n+2)-5a(n+1)+5a(n), a(0) = 7, a(1) = 12, a(2) = 37\}$ , ogf]  
A198307 10.9312  $-(7+36x+36x^4-36x^3-48x^2)/(x-1)/(6x^2-3x-4)/(6x^2-1)$  lgdogf  
A198307 12.4373 [ $-2(6x^2-3x-4)/(x-1)/(6x^2-1)$  ogf]  
A198307 6.76414 [ $\{a(n+3)-a(n+2)-6a(n+1)+6a(n), a(0) = 8, a(1) = 14, a(2) = 50\}$ , ogf]  
A198308 10.2397  $-2(8+49x+49x^4-49x^3-63x^2)/(x-1)/(7x^2-1)/(14x^2-7x-9)$  lgdogf  
A198308 12.3076 [ $-(14x^2-7x-9)/(x-1)/(7x^2-1)$  ogf]  
A198308 6.69363 [ $\{-a(n+3)+a(n+2)+7a(n+1)-7a(n), a(0) = 9, a(1) = 16, a(2) = 65\}$ , ogf]  
A198309 11.3490  $-(9+64x+64x^4-64x^3-80x^2)/(x-1)/(8x^2-4x-5)/(8x^2-1)$  lgdogf  
A198309 11.8755 [ $-2(8x^2-4x-5)/(x-1)/(8x^2-1)$  ogf]  
A198309 6.50570 [ $\{a(n+3)-a(n+2)-8a(n+1)+8a(n), a(0) = 10, a(1) = 18, a(2) = 82\}$ , ogf]  
A198310 10.5252 [ $-(18x^2-9x-11)/(x-1)/(3x-1)/(3x+1)$  ogf]  
A198310 5.71628 [ $\{-a(n+3)+a(n+2)+9a(n+1)-9a(n), a(0) = 11, a(1) = 20, a(2) = 101\}$ , ogf]  
A198310 9.15794  $-2(10+81x+81x^4-81x^3-99x^2)/(x-1)/(3x-1)/(3x+1)/(18x^2-9x-11)$  lgdogf  
A198392 12.0202  $-(4-20x-10x^3+x^5-3x^4-18x^2)/(x-1)/(x+1)/(x^4-2x^3-4x^2-2x-2)$  lgdogf  
A198392 9.21655 [ $(x^4-2x^3-4x^2-2x-2)/(x+1)^2/(x-1)^3$  ogf]  
A198395 7.21815 [ $x(4x^7+4x^6+4x^5+4x^4+4x^3+4x^2+4x+5)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A198396 10.5979 [ $-(37x^2-8x+1)/(6x-1)/(x-1)^2$  ogf]  
A198396 13.1678  $-6x(-8+37x^2+21x)/(x-1)/(6x-1)/(37x^2-8x+1)$  lgdogf  
A198396 5.90854 [ $\{a(n+3)-8a(n+2)+13a(n+1)-6a(n), a(0) = 1, a(1) = 0, a(2) = 24\}$ , ogf]  
A198397 10.1967 [ $-(50x^2-9x+1)/(7x-1)/(x-1)^2$  ogf]  
A198397 12.4169  $-14x(-5+25x^2+16x)/(x-1)/(7x-1)/(50x^2-9x+1)$  lgdogf  
A198397 5.68490 [ $\{a(n+3)-9a(n+2)+15a(n+1)-7a(n), a(0) = 1, a(1) = 0, a(2) = 35\}$ , ogf]  
A198398 11.5796  $-8x(-12+65x^2+45x)/(x-1)/(8x-1)/(65x^2-10x+1)$  lgdogf  
A198398 5.36078 [ $\{a(n+3)-10a(n+2)+17a(n+1)-8a(n), a(0) = 1, a(1) = 0, a(2) = 48\}$ , ogf]  
A198398 9.40198 [ $-(65x^2-10x+1)/(8x-1)/(x-1)^2$  ogf]  
A198399 10.7585  $-18x(-7+41x^2+30x)/(x-1)/(9x-1)/(82x^2-11x+1)$  lgdogf  
A198399 4.98489 [ $\{a(n+3)-11a(n+2)+19a(n+1)-9a(n), a(0) = 1, a(1) = 0, a(2) = 63\}$ , ogf]

A198399 8.74272 [  $-(82*x^2-11*x+1)/(9*x-1)/(x-1)^2$  ogf]  
A198400 4.94154 [  $\{a(n+3)-12*a(n+2)+21*a(n+1)-10*a(n), a(0) = 1, a(1) = 0, a(2) = 80\}$ , ogf]  
A198400 8.48175 [  $-(101*x^2-12*x+1)/(10*x-1)/(x-1)^2$  ogf]  
A198400 9.99006  $-10*x*(-16+101*x^2+77*x)/(x-1)/(10*x-1)/(101*x^2-12*x+1)$  lgdogf  
A198402 4.50811 [  $5*x*(625*x^4+3250*x^3+1650*x^2+130*x+1)/(5*x-1)^6$  ogf]  
A198403 3.17105 [  $-6*x*(6*x+1)*(1296*x^4+12096*x^3+8856*x^2+336*x+1)/(6*x-1)^7$  ogf]  
A198405 4.96147 [  $-(3552*x^4-3209*x^3+892*x^2-85*x+2)/(x-1)/(256*x^2-41*x+1)/(16*x^2-9*x+1)$  ogf]  
A198410 11.3016 [  $-(63*x^2-54*x+7)/(x-1)/(3*x-1)/(9*x-1)$  ogf]  
A198410 6.32125 [  $\{-a(n+3)+13*a(n+2)-39*a(n+1)+27*a(n), a(0) = 7, a(1) = 37, a(2) = 271\}$ , ogf]  
A198410 9.65433  $-(37-420*x-2916*x^3+1701*x^4+1854*x^2)/(x-1)/(3*x-1)/(9*x-1)/(63*x^2-54*x+7)$  lgdogf  
A198412 13.2328 [  $19*x/(729*x-1)/(64*x-1)$  ogf]  
A198412 16.8985  $-(793+93312*x)/(729*x-1)/(64*x-1)$  lgdogf  
A198412 6.61641 [  $\{a(n+2)-793*a(n+1)+46656*a(n), a(0) = 0, a(1) = 19\}$ , ogf]  
A198442 13.4547 [  $x^2*(x-2)/(x+1)/(x-1)^3$  ogf]  
A198442 24.6258  $-3*(-1-2*x+x^2)/(x-1)/(x-2)/(x+1)$  lgdogf  
A198442 4.97418 [  $\{(n^2+7*n+10)*a(n+1)+(6+2*n)*a(n+2)+(-n^2-5*n-4)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A198447 4.91607 [  $\{-a(n+3)+10*a(n+2)-25*a(n+1)+16*a(n), a(0) = 3, a(1) = 13, a(2) = 71\}$ , ogf]  
A198447 7.82218  $-(13-118*x+409*x^2+256*x^4-544*x^3)/(x-1)/(16*x^2-9*x+1)/(16*x^2-17*x+3)$  lgdogf  
A198447 8.71485 [  $-(16*x^2-17*x+3)/(x-1)/(16*x^2-9*x+1)$  ogf]  
A198473 8.05947 [  $x*(x^6+4*x^5+x^4+4*x^3+x^2+4*x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A198474 12.5690 [  $-2*(3*x-1)/(16*x^2-9*x+1)$  ogf]  
A198474 13.8096  $-2*(3-16*x+24*x^2)/(3*x-1)/(16*x^2-9*x+1)$  lgdogf  
A198474 6.88305 [  $\{a(n+2)-9*a(n+1)+16*a(n), a(0) = 2, a(1) = 12\}$ , ogf]  
A198480 13.2478 [  $(5*x+1)/(7*x-1)/(x-1)$  ogf]  
A198480 14.6042  $-(-13+14*x+35*x^2)/(x-1)/(5*x+1)/(7*x-1)$  lgdogf  
A198480 7.18253 [  $\{-a(n+2)+8*a(n+1)-7*a(n), a(0) = 1, a(1) = 13\}$ , ogf]  
A198482 3.39307 [  $\{-a(n+4)+55*a(n+3)-135*a(n+2)+81*a(n+1), a(0) = 5, a(1) = 193, a(2) = 10072, a(3) = 528283\}$ , ogf]  
A198482 6.47769 [  $(27*x^3-132*x^2+82*x-5)/(x-1)/(81*x^2-54*x+1)$  ogf]  
A198486 5.48505 [  $(80*x^{10}+62*x^9-18*x^8-18*x^7-18*x^6-18*x^5-18*x^4-18*x^3-18*x^2-8*x+1)/(x-1)/(10*x-1)/(x+1)$  ogf]  
A198508 5.04324 [  $-(4096*x^4-4496*x^3+1381*x^2-145*x+4)/(x-1)/(256*x^2-41*x+1)/(16*x^2-9*x+1)$  ogf]  
A198517 12.6360 [  $-(x^2+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A198517 15.6707  $-x*(2+5*x^3+3*x^5)/(x-1)/(1+x^2)/(x^4+x^3+x^2+x+1)$  lgdogf  
A198517 19.5576 [  $x^4-x^3+x$  ogf\_with\_Euler\_transform]  
A198586 10.1855 [  $-(64*x^2-80*x-5)/(x-1)/(8*x-1)/(8*x+1)$  ogf]  
A198586 5.65860 [  $\{a(n+3)-a(n+2)-64*a(n+1)+64*a(n), a(0) = 5, a(1) = 85, a(2) = 341\}$ , ogf]  
A198586 8.44251  $-(85+512*x+4224*x^2-10240*x^3+4096*x^4)/(x-1)/(8*x+1)/(8*x-1)/(64*x^2-80*x-5)$  lgdogf  
A198598 6.11500 [  $-(29*x^4+19*x^3-9*x^2-4*x+1)/(x-1)/(x+1)/(27*x^3+5*x^2-9*x+1)$  ogf]  
A198620 4.15083 [  $-x*(11*x^8+37*x^7-5*x^6-54*x^5+3*x^4+26*x^3-4*x^2-4*x+1)/(x-1)/(2*x-1)/(x+1)/(5*x^2+x-1)/(x^2+x-1)/(3*x^2+x-1)$  ogf]  
A198628 7.56133 [  $-(94*x^4-114*x^3+55*x^2-12*x+1)/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A198629 5.08526 [  $x*(148*x^4-168*x^3+73*x^2-14*x+1)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A198633 18.5621 [  $(-3+2*x)/(2*x-1)$  ogf]  
A198633 39.5919  $4/(2*x-1)/(2*x-3)$  lgdogf

A198633 9.53886 [ {a(n+2)-2\*a(n+1), a(0) = 3, a(1) = 4}, ogf]  
A198635 14.4395 [ (3\*x^2-12\*x+5)/(3\*x-1)/(x-1) ogf]  
A198635 17.4183  $8*(1-3*x+3*x^2)/(x-1)/(3*x-1)/(3*x^2-12*x+5)$  lgdogf  
A198635 7.57024 [ {a(n+3)-4\*a(n+2)+3\*a(n+1), a(0) = 5, a(1) = 8, a(2) = 20}, ogf]  
A198636 10.8779  $-(5-24*x+39*x^2+6*x^4-20*x^3)/(6*x^2-10*x+3)/(x^3-6*x^2+5*x-1)$   
lgdogf  
A198636 11.0880 [  $-(6*x^2-10*x+3)/(x^3-6*x^2+5*x-1)$  ogf]  
A198636 6.08371 [ {-a(n+3)+5\*a(n+2)-6\*a(n+1)+a(n), a(0) = 3, a(1) = 5, a(2) = 13}, ogf]  
A198638 12.0753  $(9-28*x+24*x^2)/(x-1)/(2*x-1)/(16*x^2-12*x+1)$  lgdogf  
A198638 5.18646 [ {a(n+3)-12\*a(n+2)+16\*a(n+1), a(0) = 4, a(1) = 36, a(2) = 376}, ogf]  
A198638 9.90984 [  $4*(2*x-1)*(x-1)/(16*x^2-12*x+1)$  ogf]  
A198643 15.5665 [  $-2*(x-2)/(3*x-1)/(x-1)$  ogf]  
A198643 19.6417  $-(7-12*x+3*x^2)/(x-1)/(x-2)/(3*x-1)$  lgdogf  
A198643 8.43966 [ {-a(n+2)+4\*a(n+1)-3\*a(n), a(0) = 4, a(1) = 14}, ogf]  
A198644 15.9285 [  $-(5*x-7)/(3*x-1)/(x-1)$  ogf]  
A198644 18.0449  $-(23-42*x+15*x^2)/(x-1)/(3*x-1)/(5*x-7)$  lgdogf  
A198644 8.63593 [ {-a(n+2)+4\*a(n+1)-3\*a(n), a(0) = 7, a(1) = 23}, ogf]  
A198645 14.8784 [  $-(7*x-9)/(3*x-1)/(x-1)$  ogf]  
A198645 16.8372  $-(29-54*x+21*x^2)/(x-1)/(3*x-1)/(7*x-9)$  lgdogf  
A198645 8.06659 [ {-a(n+2)+4\*a(n+1)-3\*a(n), a(0) = 9, a(1) = 29}, ogf]  
A198646 14.6949 [  $-2*(4*x-5)/(3*x-1)/(x-1)$  ogf]  
A198646 17.0023  $-2*(8-15*x+6*x^2)/(4*x-5)/(x-1)/(3*x-1)$  lgdogf  
A198646 8.04720 [ {-a(n+2)+4\*a(n+1)-3\*a(n), a(0) = 10, a(1) = 32}, ogf]  
A198647 13.5141 [  $2*(2*x+1)/(7*x-1)/(x-1)$  ogf]  
A198647 15.2859  $-2*(-5+7*x+7*x^2)/(x-1)/(2*x+1)/(7*x-1)$  lgdogf  
A198647 7.32690 [ {-a(n+2)+8\*a(n+1)-7\*a(n), a(0) = 2, a(1) = 20}, ogf]  
A198662 5.32989 [  $-x*(3*x^3-3*x+1)*(x^3+3*x^2-1)/(x-1)/(2*x-1)/(x+1)/(4*x^2+x-1)/(x^2+x-1)$  ogf]  
A198686 13.6472 [  $3*(x+1)/(7*x-1)/(x-1)$  ogf]  
A198686 16.7262  $-(9+14*x+7*x^2)/(x-1)/(7*x-1)/(x+1)$  lgdogf  
A198686 7.39910 [ {-a(n+2)+8\*a(n+1)-7\*a(n), a(0) = 3, a(1) = 27}, ogf]  
A198687 13.7804 [  $2*(x+2)/(7*x-1)/(x-1)$  ogf]  
A198687 16.4360  $-(17+28*x+7*x^2)/(x-1)/(7*x-1)/(x+2)$  lgdogf  
A198687 7.47128 [ {-a(n+2)+8\*a(n+1)-7\*a(n), a(0) = 4, a(1) = 34}, ogf]  
A198688 13.9135 [  $(x+5)/(7*x-1)/(x-1)$  ogf]  
A198688 16.5980  $-(41+70*x+7*x^2)/(x+5)/(x-1)/(7*x-1)$  lgdogf  
A198688 7.54347 [ {-a(n+2)+8\*a(n+1)-7\*a(n), a(0) = 5, a(1) = 41}, ogf]  
A198689 14.0466 [  $-(x-7)/(7*x-1)/(x-1)$  ogf]  
A198689 17.2254  $-(55-98*x+7*x^2)/(x-1)/(x-7)/(7*x-1)$  lgdogf  
A198689 7.61565 [ {-a(n+2)+8\*a(n+1)-7\*a(n), a(0) = 7, a(1) = 55}, ogf]  
A198690 14.1798 [  $-2*(x-4)/(7*x-1)/(x-1)$  ogf]  
A198690 17.3919  $-(31-56*x+7*x^2)/(x-1)/(7*x-1)/(x-4)$  lgdogf  
A198690 7.68783 [ {-a(n+2)+8\*a(n+1)-7\*a(n), a(0) = 8, a(1) = 62}, ogf]  
A198691 14.1798 [  $-3*(x-3)/(7*x-1)/(x-1)$  ogf]  
A198691 17.3919  $-(23-42*x+7*x^2)/(x-1)/(x-3)/(7*x-1)$  lgdogf  
A198691 7.68783 [ {-a(n+2)+8\*a(n+1)-7\*a(n), a(0) = 9, a(1) = 69}, ogf]  
A198692 12.5459 [  $-2*(2*x-5)/(7*x-1)/(x-1)$  ogf]  
A198692 14.1333  $-2*(19-35*x+7*x^2)/(2*x-5)/(x-1)/(7*x-1)$  lgdogf  
A198692 6.87036 [ {-a(n+2)+8\*a(n+1)-7\*a(n), a(0) = 10, a(1) = 76}, ogf]  
A198693 14.0052 [  $(x+2)/(4*x-1)/(x-1)$  ogf]  
A198693 16.6944  $-(11+16*x+4*x^2)/(x-1)/(x+2)/(4*x-1)$  lgdogf  
A198693 7.59317 [ {-a(n+2)+5\*a(n+1)-4\*a(n), a(0) = 2, a(1) = 11}, ogf]  
A198694 13.3258 [  $-3*(x-2)/(4*x-1)/(x-1)$  ogf]  
A198694 16.7799  $-(9-16*x+4*x^2)/(x-1)/(x-2)/(4*x-1)$  lgdogf  
A198694 7.22484 [ {-a(n+2)+5\*a(n+1)-4\*a(n), a(0) = 6, a(1) = 27}, ogf]  
A198695 13.3721 [  $-(7*x-10)/(4*x-1)/(x-1)$  ogf]  
A198695 15.0688  $-(43-80*x+28*x^2)/(7*x-10)/(x-1)/(4*x-1)$  lgdogf  
A198695 7.32282 [ {-a(n+2)+5\*a(n+1)-4\*a(n), a(0) = 10, a(1) = 43}, ogf]  
A198698 11.8075 [  $(7*x+2)/(10*x-1)/(x-1)$  ogf]



A198698 13.2534  $-( -29+40*x+70*x^2)/(x-1)/(7*x+2)/(10*x-1)$  lgdogf  
A198698 6.52884  $[ \{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 2, a(1) = 29\},$  ogf]  
A198699 11.8075  $[ 3*(x+2)/(10*x-1)/(x-1)$  ogf]  
A198699 13.9331  $-( -23+40*x+10*x^2)/(x-1)/(x+2)/(10*x-1)$  lgdogf  
A198699 6.52884  $[ \{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 6, a(1) = 69\},$  ogf]  
A198700 11.2148  $[ -(x-10)/(10*x-1)/(x-1)$  ogf]  
A198700 12.8531  $-(109-200*x+10*x^2)/(x-1)/(x-10)/(10*x-1)$  lgdogf  
A198700 6.18747  $[ \{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 10, a(1) = 109\},$  ogf]  
A198710 4.73002  $[ \{-a(n+3)+19*a(n+2)-45*a(n+1)+27*a(n), a(0) = 2, a(1) = 25, a(2) = 401\},$  ogf]  
A198710 7.49054  $-(25-148*x+443*x^2+432*x^4-702*x^3)/(x-1)/(27*x^2-18*x+1)/(16*x^2-13*x+2)$  lgdogf  
A198710 8.45670  $[ -(16*x^2-13*x+2)/(x-1)/(27*x^2-18*x+1)$  ogf]  
A198711 6.11593  $[ -(163*x^3-196*x^2+58*x-5)/(x-1)/(263*x^3-267*x^2+45*x-1)$  ogf]  
A198717 4.92732  $[ -(4419*x^4-3517*x^3+732*x^2-51*x+1)/(x-1)/(3*x-1)/(31*x-1)/(13*x-1)/(7*x-1)$  ogf]  
A198762 14.2875  $[ 2*(x+1)/(5*x-1)/(x-1)$  ogf]  
A198762 17.5159  $-( -7+10*x+5*x^2)/(x-1)/(5*x-1)/(x+1)$  lgdogf  
A198762 7.74622  $[ \{-a(n+2)+6*a(n+1)-5*a(n), a(0) = 2, a(1) = 14\},$  ogf]  
A198763 14.4248  $[ (x+3)/(5*x-1)/(x-1)$  ogf]  
A198763 17.2096  $-( -19+30*x+5*x^2)/(x-1)/(x+3)/(5*x-1)$  lgdogf  
A198763 7.82070  $[ \{-a(n+2)+6*a(n+1)-5*a(n), a(0) = 3, a(1) = 19\},$  ogf]  
A198764 14.6996  $[ -(x-5)/(5*x-1)/(x-1)$  ogf]  
A198764 18.0311  $-(29-50*x+5*x^2)/(x-1)/(x-5)/(5*x-1)$  lgdogf  
A198764 7.96967  $[ \{-a(n+2)+6*a(n+1)-5*a(n), a(0) = 5, a(1) = 29\},$  ogf]  
A198765 12.1826  $[ -2*(x-3)/(5*x-1)/(x-1)$  ogf]  
A198765 14.8954  $-(17-30*x+5*x^2)/(x-1)/(x-3)/(5*x-1)$  lgdogf  
A198765 6.60505  $[ \{-a(n+2)+6*a(n+1)-5*a(n), a(0) = 6, a(1) = 34\},$  ogf]  
A198766 14.4248  $[ -(x-3)/(5*x-1)/(x-1)$  ogf]  
A198766 17.6876  $-(17-30*x+5*x^2)/(x-1)/(x-3)/(5*x-1)$  lgdogf  
A198766 7.82070  $[ \{-a(n+2)+6*a(n+1)-5*a(n), a(0) = 3, a(1) = 17\},$  ogf]  
A198767 13.4635  $[ -(3*x-7)/(5*x-1)/(x-1)$  ogf]  
A198767 15.2226  $-(39-70*x+15*x^2)/(x-1)/(3*x-7)/(5*x-1)$  lgdogf  
A198767 7.29951  $[ \{-a(n+2)+6*a(n+1)-5*a(n), a(0) = 7, a(1) = 39\},$  ogf]  
A198768 13.5989  $[ -4*(x-2)/(5*x-1)/(x-1)$  ogf]  
A198768 16.6603  $-(11-20*x+5*x^2)/(x-1)/(x-2)/(5*x-1)$  lgdogf  
A198768 7.37288  $[ \{-a(n+2)+6*a(n+1)-5*a(n), a(0) = 8, a(1) = 44\},$  ogf]  
A198769 14.1501  $[ -(x-2)/(5*x-1)/(x-1)$  ogf]  
A198769 17.3442  $-(11-20*x+5*x^2)/(x-1)/(x-2)/(5*x-1)$  lgdogf  
A198769 7.67173  $[ \{-a(n+2)+6*a(n+1)-5*a(n), a(0) = 2, a(1) = 11\},$  ogf]  
A198770 13.5018  $[ -2*(3*x-5)/(5*x-1)/(x-1)$  ogf]  
A198770 15.6129  $-(27-50*x+15*x^2)/(x-1)/(5*x-1)/(3*x-5)$  lgdogf  
A198770 7.39383  $[ \{-a(n+2)+6*a(n+1)-5*a(n), a(0) = 10, a(1) = 54\},$  ogf]  
A198771 14.6996  $[ -(3*x-5)/(5*x-1)/(x-1)$  ogf]  
A198771 16.6441  $-(27-50*x+15*x^2)/(x-1)/(5*x-1)/(3*x-5)$  lgdogf  
A198771 7.96967  $[ \{-a(n+2)+6*a(n+1)-5*a(n), a(0) = 5, a(1) = 27\},$  ogf]  
A198786 26.2993  $2*(2*x+(1+4*x^2)^(1/2))/(1+4*x^2)$  lgdogf  
A198786 6.95482  $[ \{-4*n+8\}*a(n)+(-n-1)*a(n+2), a(0) = 1, a(1) = 2, a(2) = 4\},$  ogf]  
A198794 14.4107  $[ (x+4)/(6*x-1)/(x-1)$  ogf]  
A198794 17.1974  $-( -29+48*x+6*x^2)/(x-1)/(6*x-1)/(x+4)$  lgdogf  
A198794 7.81305  $[ \{-a(n+2)+7*a(n+1)-6*a(n), a(0) = 4, a(1) = 29\},$  ogf]  
A198795 14.5460  $[ -(x-6)/(6*x-1)/(x-1)$  ogf]  
A198795 17.8443  $-(41-72*x+6*x^2)/(x-1)/(6*x-1)/(x-6)$  lgdogf  
A198795 7.88641  $[ \{-a(n+2)+7*a(n+1)-6*a(n), a(0) = 6, a(1) = 41\},$  ogf]  
A198796 12.7152  $[ (3*x+2)/(6*x-1)/(x-1)$  ogf]  
A198796 14.0050  $-( -17+24*x+18*x^2)/(x-1)/(6*x-1)/(3*x+2)$  lgdogf  
A198796 6.89378  $[ \{-a(n+2)+7*a(n+1)-6*a(n), a(0) = 2, a(1) = 17\},$  ogf]  
A198797 14.2754  $[ (2*x+3)/(6*x-1)/(x-1)$  ogf]  
A198797 15.7554  $-( -23+36*x+12*x^2)/(x-1)/(6*x-1)/(2*x+3)$  lgdogf  
A198797 7.73969  $[ \{-a(n+2)+7*a(n+1)-6*a(n), a(0) = 3, a(1) = 23\},$  ogf]

A198807 3.38229 [[6227020800\*x^12] ogf\_with\_Euler\_transform]  
A198809 3.40893 [[39916800\*x^10] ogf\_with\_Euler\_transform]  
A198833 12.9371  $-(10+32*x+44*x^2+3*x^4+16*x^3)/(x-1)/(x^4+3*x^3+7*x^2+3*x+1)$   
lgdogf  
A198833 6.99302 [  $-(x^4+3*x^3+7*x^2+3*x+1)/(x-1)^7$  ogf]  
A198834 21.5351 [  $-2*x^2/(x^2+x-1)$  ogf]  
A198834 43.8567  $-(2*x+1)/(x^2-1+x)$  lgdogf  
A198834 7.96798 [{-a(n+3)+a(n+2)+a(n+1), a(0) = 0, a(1) = 0, a(2) = 2}, ogf]  
A198845 14.6814 [  $-(2*x-7)/(6*x-1)/(x-1)$  ogf]  
A198845 16.6278  $-(47-84*x+12*x^2)/(x-1)/(6*x-1)/(2*x-7)$  lgdogf  
A198845 7.95977 [{-a(n+2)+7\*a(n+1)-6\*a(n), a(0) = 7, a(1) = 47}, ogf]  
A198846 14.6814 [  $-(3*x-8)/(6*x-1)/(x-1)$  ogf]  
A198846 16.6278  $-(53-96*x+18*x^2)/(x-1)/(6*x-1)/(3*x-8)$  lgdogf  
A198846 7.95977 [{-a(n+2)+7\*a(n+1)-6\*a(n), a(0) = 8, a(1) = 53}, ogf]  
A198847 14.8167 [  $-(4*x-9)/(6*x-1)/(x-1)$  ogf]  
A198847 16.3643  $-(59-108*x+24*x^2)/(x-1)/(6*x-1)/(4*x-9)$  lgdogf  
A198847 8.03313 [{-a(n+2)+7\*a(n+1)-6\*a(n), a(0) = 9, a(1) = 59}, ogf]  
A198848 14.5607 [  $-5*(x-2)/(6*x-1)/(x-1)$  ogf]  
A198848 18.2671  $-(13-24*x+6*x^2)/(x-1)/(x-2)/(6*x-1)$  lgdogf  
A198848 7.97374 [{-a(n+2)+7\*a(n+1)-6\*a(n), a(0) = 10, a(1) = 65}, ogf]  
A198849 13.9371 [  $-(x-2)/(6*x-1)/(x-1)$  ogf]  
A198849 17.0831  $-(13-24*x+6*x^2)/(x-1)/(x-2)/(6*x-1)$  lgdogf  
A198849 7.55628 [{-a(n+2)+7\*a(n+1)-6\*a(n), a(0) = 2, a(1) = 13}, ogf]  
A198850 12.5629 [  $(6*x+1)/(8*x-1)/(x-1)$  ogf]  
A198850 14.1937  $-(4*x+3)*(12*x-5)/(x-1)/(8*x-1)/(6*x+1)$  lgdogf  
A198850 6.81123 [{-a(n+2)+9\*a(n+1)-8\*a(n), a(0) = 1, a(1) = 15}, ogf]  
A198851 12.7592 [  $(5*x+2)/(8*x-1)/(x-1)$  ogf]  
A198851 14.0597  $-(23+32*x+40*x^2)/(x-1)/(5*x+2)/(8*x-1)$  lgdogf  
A198851 6.91766 [{-a(n+2)+9\*a(n+1)-8\*a(n), a(0) = 2, a(1) = 23}, ogf]  
A198852 12.9555 [  $(4*x+3)/(8*x-1)/(x-1)$  ogf]  
A198852 14.2805  $-(31+48*x+32*x^2)/(x-1)/(8*x-1)/(4*x+3)$  lgdogf  
A198852 7.02408 [{-a(n+2)+9\*a(n+1)-8\*a(n), a(0) = 3, a(1) = 31}, ogf]  
A198853 13.0864 [  $(3*x+4)/(8*x-1)/(x-1)$  ogf]  
A198853 14.4278  $-(39+64*x+24*x^2)/(x-1)/(3*x+4)/(8*x-1)$  lgdogf  
A198853 7.09504 [{-a(n+2)+9\*a(n+1)-8\*a(n), a(0) = 4, a(1) = 39}, ogf]  
A198854 13.2173 [  $(2*x+5)/(8*x-1)/(x-1)$  ogf]  
A198854 14.5750  $-(47+80*x+16*x^2)/(2*x+5)/(x-1)/(8*x-1)$  lgdogf  
A198854 7.16599 [{-a(n+2)+9\*a(n+1)-8\*a(n), a(0) = 5, a(1) = 47}, ogf]  
A198855 13.2173 [  $(x+6)/(8*x-1)/(x-1)$  ogf]  
A198855 15.7567  $-(55+96*x+8*x^2)/(x-1)/(8*x-1)/(x+6)$  lgdogf  
A198855 7.16599 [{-a(n+2)+9\*a(n+1)-8\*a(n), a(0) = 6, a(1) = 55}, ogf]  
A198856 13.2827 [  $-(x-8)/(8*x-1)/(x-1)$  ogf]  
A198856 15.8363  $-(71-128*x+8*x^2)/(x-1)/(8*x-1)/(x-8)$  lgdogf  
A198856 7.20146 [{-a(n+2)+9\*a(n+1)-8\*a(n), a(0) = 8, a(1) = 71}, ogf]  
A198857 13.3481 [  $-(2*x-9)/(8*x-1)/(x-1)$  ogf]  
A198857 14.7222  $-(79-144*x+16*x^2)/(x-1)/(8*x-1)/(2*x-9)$  lgdogf  
A198857 7.23694 [{-a(n+2)+9\*a(n+1)-8\*a(n), a(0) = 9, a(1) = 79}, ogf]  
A198858 13.1220 [  $-(3*x-10)/(8*x-1)/(x-1)$  ogf]  
A198858 14.4349  $-(87-160*x+24*x^2)/(3*x-10)/(x-1)/(8*x-1)$  lgdogf  
A198858 7.18583 [{-a(n+2)+9\*a(n+1)-8\*a(n), a(0) = 10, a(1) = 87}, ogf]  
A198859 12.8019 [  $(7*x+1)/(9*x-1)/(x-1)$  ogf]  
A198859 14.4278  $-(17+18*x+63*x^2)/(x-1)/(7*x+1)/(9*x-1)$  lgdogf  
A198859 7.01057 [{-a(n+2)+10\*a(n+1)-9\*a(n), a(0) = 1, a(1) = 17}, ogf]  
A198862 14.0106 [  $(3*x-1)/(x^4-x+1)$  ogf]  
A198862 20.3487  $-(2+9*x^4-4*x^3)/(3*x-1)/(x^4-x+1)$  lgdogf  
A198888 40.5538  $-x*(-1+x^3+x^4)/(1+x)$  revogf  
A198900 4.68440 [{-a(n+3)+17\*a(n+2)-55\*a(n+1)+39\*a(n), a(0) = 1, a(1) = 4, a(2) = 33}, ogf]  
A198900 7.18687  $-2*(2-35*x+246*x^2+390*x^4-507*x^3)/(x-1)/(3*x-1)/(13*x-1)/$   
 $(20*x^2-13*x+1)$  lgdogf  
A198900 8.23318 [  $-(20*x^2-13*x+1)/(x-1)/(3*x-1)/(13*x-1)$  ogf]

A198901 4.77602 [  $-(139x^4-434x^3+314x^2-69x+2)/(x-1)/(2x^2-5x+1)/(116x^2-45x+1)$  ogf]  
A198908 3.98538 [  $-(128772x^5-107312x^4+25272x^3-2295x^2+84x-1)/(x-1)/(43x-1)/(13x-1)/(7x-1)/(3x-1)/(21x-1)$  ogf]  
A198943 9.41669 [  $(x+1)(x^4+8x^3+33x^2+8x+1)/(x^6-38x^3+1)$  ogf]  
A198947 10.5634 [  $-(7+26x+137x^2-x^4+14x^5+x^6-4x^3)/(x-1)/(x^2+8x+1)/(x^4-20x^2+1)$  lgdogf]  
A198947 11.5587 [  $-(x-1)(x^2+8x+1)/(x^4-20x^2+1)$  ogf]  
A198949 10.7960 [  $(x+1)(x^2+22x+1)/(x^4-20x^2+1)$  ogf]  
A198949 9.36906 [  $(-23-86x-463x^2+89x^4+46x^5+x^6+4x^3)/(x+1)/(x^2+22x+1)/(x^4-20x^2+1)$  lgdogf]  
A198951 40.8464  $x/(x^2-x+1)/(x+1)^2$  revogf  
A198953 17.1892  $1/2/(x+1)(1+(1-4x^3-8x^2-4x)^{1/2})x$  revogf  
A198958 15.6126 [  $(-12x-6)/(x^2+x+1)$  ogf\_with\_Euler\_transform]  
A198960 13.0580 [  $2*(3x+1)/(9x-1)/(x-1)$  ogf]  
A198960 14.7222 [  $(-13+18x+27x^2)/(x-1)/(3x+1)/(9x-1)$  lgdogf]  
A198960 7.15079 [  $\{-a(n+2)+10a(n+1)-9a(n), a(0) = 2, a(1) = 26\}$ , ogf]  
A198961 13.2500 [  $(5x+3)/(9x-1)/(x-1)$  ogf]  
A198961 15.3262 [  $(3x+5)(15x-7)/(x-1)/(9x-1)/(5x+3)$  lgdogf]  
A198961 7.25594 [  $\{-a(n+2)+10a(n+1)-9a(n), a(0) = 3, a(1) = 35\}$ , ogf]  
A198962 13.3780 [  $4*(x+1)/(9x-1)/(x-1)$  ogf]  
A198962 16.3138 [  $(-11+18x+9x^2)/(x-1)/(9x-1)/(x+1)$  lgdogf]  
A198962 7.32605 [  $\{-a(n+2)+10a(n+1)-9a(n), a(0) = 4, a(1) = 44\}$ , ogf]  
A198963 13.5060 [  $(3x+5)/(9x-1)/(x-1)$  ogf]  
A198963 15.2375 [  $(-53+90x+27x^2)/(3x+5)/(x-1)/(9x-1)$  lgdogf]  
A198963 7.39615 [  $\{-a(n+2)+10a(n+1)-9a(n), a(0) = 5, a(1) = 53\}$ , ogf]  
A198964 13.1220 [  $(x+3)/(9x-1)/(x-1)$  ogf]  
A198964 15.9955 [  $(-31+54x+9x^2)/(x-1)/(x+3)/(9x-1)$  lgdogf]  
A198964 7.18583 [  $\{-a(n+2)+10a(n+1)-9a(n), a(0) = 3, a(1) = 31\}$ , ogf]  
A198965 13.5700 [  $2*(x+3)/(9x-1)/(x-1)$  ogf]  
A198965 16.5525 [  $(-31+54x+9x^2)/(x-1)/(x+3)/(9x-1)$  lgdogf]  
A198965 7.43120 [  $\{-a(n+2)+10a(n+1)-9a(n), a(0) = 6, a(1) = 62\}$ , ogf]  
A198966 13.5700 [  $(x+7)/(9x-1)/(x-1)$  ogf]  
A198966 16.1169 [  $(-71+126x+9x^2)/(x-1)/(x+7)/(9x-1)$  lgdogf]  
A198966 7.43120 [  $\{-a(n+2)+10a(n+1)-9a(n), a(0) = 7, a(1) = 71\}$ , ogf]  
A198967 13.5700 [  $(-x-9)/(9x-1)/(x-1)$  ogf]  
A198967 16.5525 [  $(89-162x+9x^2)/(x-1)/(9x-1)/(x-9)$  lgdogf]  
A198967 7.43120 [  $\{-a(n+2)+10a(n+1)-9a(n), a(0) = 9, a(1) = 89\}$ , ogf]  
A198968 13.3440 [  $-2*(x-5)/(9x-1)/(x-1)$  ogf]  
A198968 17.0941 [  $(49-90x+9x^2)/(x-5)/(x-1)/(9x-1)$  lgdogf]  
A198968 7.37842 [  $\{-a(n+2)+10a(n+1)-9a(n), a(0) = 10, a(1) = 98\}$ , ogf]  
A198969 13.4420 [  $(-x-5)/(9x-1)/(x-1)$  ogf]  
A198969 16.8487 [  $(49-90x+9x^2)/(x-5)/(x-1)/(9x-1)$  lgdogf]  
A198969 7.36110 [  $\{-a(n+2)+10a(n+1)-9a(n), a(0) = 5, a(1) = 49\}$ , ogf]  
A198970 13.2813 [  $3*(2x+1)/(10x-1)/(x-1)$  ogf]  
A198970 14.9376 [  $(-13+20x+20x^2)/(x-1)/(2x+1)/(10x-1)$  lgdogf]  
A198970 7.34378 [  $\{-a(n+2)+11a(n+1)-10a(n), a(0) = 3, a(1) = 39\}$ , ogf]  
A198971 13.2813 [  $(5x+4)/(10x-1)/(x-1)$  ogf]  
A198971 14.9376 [  $(-49+80x+50x^2)/(x-1)/(5x+4)/(10x-1)$  lgdogf]  
A198971 7.34378 [  $\{-a(n+2)+11a(n+1)-10a(n), a(0) = 4, a(1) = 49\}$ , ogf]  
A198972 13.2813 [  $(x+2)/(10x-1)/(x-1)$  ogf]  
A198972 15.7037 [  $(-23+40x+10x^2)/(x-1)/(x+2)/(10x-1)$  lgdogf]  
A198972 7.34378 [  $\{-a(n+2)+11a(n+1)-10a(n), a(0) = 2, a(1) = 23\}$ , ogf]  
A198973 13.2813 [  $(2x+7)/(10x-1)/(x-1)$  ogf]  
A198973 14.5820 [  $(-79+140x+20x^2)/(x-1)/(2x+7)/(10x-1)$  lgdogf]  
A198973 7.34378 [  $\{-a(n+2)+11a(n+1)-10a(n), a(0) = 7, a(1) = 79\}$ , ogf]  
A198974 13.4066 [  $(9x+1)/(11x-1)/(x-1)$  ogf]  
A198974 15.0813 [  $(-21+22x+99x^2)/(x-1)/(11x-1)/(9x+1)$  lgdogf]  
A198974 7.41306 [  $\{-a(n+2)+12a(n+1)-11a(n), a(0) = 1, a(1) = 21\}$ , ogf]  
A198976 5.95292 [  $(-231x^3-168x^2+28x-1)/(x-1)/(3x-1)/(7x-1)/(21x-1)$  ogf]  
A199015 29.3195 [  $(-3+x)/(-x-1)$  ogf\_with\_Euler\_transform]

A199018 13.2813 [ (4\*x+1)/(11\*x-1)/(x-1) ogf]  
A199018 14.5820 -2\*(-8+11\*x+22\*x^2)/(x-1)/(4\*x+1)/(11\*x-1) lgdogf  
A199018 7.34378 [{-a(n+2)+12\*a(n+1)-11\*a(n), a(0) = 1, a(1) = 16}, ogf]  
A199019 12.1150 [ 2\*(4\*x+1)/(11\*x-1)/(x-1) ogf]  
A199019 13.2819 -2\*(-8+11\*x+22\*x^2)/(x-1)/(4\*x+1)/(11\*x-1) lgdogf  
A199019 6.69886 [{-a(n+2)+12\*a(n+1)-11\*a(n), a(0) = 2, a(1) = 32}, ogf]  
A199020 12.2994 [ (7\*x+3)/(11\*x-1)/(x-1) ogf]  
A199020 13.8174 -(-43+66\*x+77\*x^2)/(x-1)/(7\*x+3)/(11\*x-1) lgdogf  
A199020 6.80087 [{-a(n+2)+12\*a(n+1)-11\*a(n), a(0) = 3, a(1) = 43}, ogf]  
A199021 11.9920 [ (3\*x+2)/(11\*x-1)/(x-1) ogf]  
A199021 13.4649 -(-27+44\*x+33\*x^2)/(x-1)/(3\*x+2)/(11\*x-1) lgdogf  
A199021 6.63085 [{-a(n+2)+12\*a(n+1)-11\*a(n), a(0) = 2, a(1) = 27}, ogf]  
A199022 12.4224 [ 2\*(3\*x+2)/(11\*x-1)/(x-1) ogf]  
A199022 13.9584 -(-27+44\*x+33\*x^2)/(x-1)/(3\*x+2)/(11\*x-1) lgdogf  
A199022 6.86888 [{-a(n+2)+12\*a(n+1)-11\*a(n), a(0) = 4, a(1) = 54}, ogf]  
A199023 11.8075 [ (x+1)/(11\*x-1)/(x-1) ogf]  
A199023 13.9331 -(-13+22\*x+11\*x^2)/(x-1)/(11\*x-1)/(x+1) lgdogf  
A199023 6.52884 [{-a(n+2)+12\*a(n+1)-11\*a(n), a(0) = 1, a(1) = 13}, ogf]  
A199024 12.5454 [ 5\*(x+1)/(11\*x-1)/(x-1) ogf]  
A199024 14.8224 -(-13+22\*x+11\*x^2)/(x-1)/(11\*x-1)/(x+1) lgdogf  
A199024 6.93688 [{-a(n+2)+12\*a(n+1)-11\*a(n), a(0) = 5, a(1) = 65}, ogf]  
A199025 12.1764 [ (2\*x+3)/(11\*x-1)/(x-1) ogf]  
A199025 13.0403 -2\*(-19+33\*x+11\*x^2)/(x-1)/(2\*x+3)/(11\*x-1) lgdogf  
A199025 6.73286 [{-a(n+2)+12\*a(n+1)-11\*a(n), a(0) = 3, a(1) = 38}, ogf]  
A199026 12.6684 [ 2\*(2\*x+3)/(11\*x-1)/(x-1) ogf]  
A199026 13.5780 -2\*(-19+33\*x+11\*x^2)/(x-1)/(2\*x+3)/(11\*x-1) lgdogf  
A199026 7.00489 [{-a(n+2)+12\*a(n+1)-11\*a(n), a(0) = 6, a(1) = 76}, ogf]  
A199027 12.7299 [ (3\*x+7)/(11\*x-1)/(x-1) ogf]  
A199027 13.9701 -(-87+154\*x+33\*x^2)/(x-1)/(3\*x+7)/(11\*x-1) lgdogf  
A199027 7.03891 [{-a(n+2)+12\*a(n+1)-11\*a(n), a(0) = 7, a(1) = 87}, ogf]  
A199028 12.3609 [ (x+4)/(11\*x-1)/(x-1) ogf]  
A199028 14.6001 -(-49+88\*x+11\*x^2)/(x-1)/(x+4)/(11\*x-1) lgdogf  
A199028 6.83487 [{-a(n+2)+12\*a(n+1)-11\*a(n), a(0) = 4, a(1) = 49}, ogf]  
A199029 12.7914 [ 2\*(x+4)/(11\*x-1)/(x-1) ogf]  
A199029 15.1189 -(-49+88\*x+11\*x^2)/(x-1)/(x+4)/(11\*x-1) lgdogf  
A199029 7.07291 [{-a(n+2)+12\*a(n+1)-11\*a(n), a(0) = 8, a(1) = 98}, ogf]  
A199030 12.8529 [ (x+9)/(11\*x-1)/(x-1) ogf]  
A199030 14.4519 -(-109+198\*x+11\*x^2)/(x-1)/(x+9)/(11\*x-1) lgdogf  
A199030 7.02427 [{-a(n+2)+12\*a(n+1)-11\*a(n), a(0) = 9, a(1) = 109}, ogf]  
A199031 12.1034 [ (10\*x+1)/(12\*x-1)/(x-1) ogf]  
A199031 13.2419 -(-23+24\*x+120\*x^2)/(x-1)/(10\*x+1)/(12\*x-1) lgdogf  
A199031 6.83487 [{-a(n+2)+13\*a(n+1)-12\*a(n), a(0) = 1, a(1) = 23}, ogf]  
A199032 12.4839 [ (9\*x+2)/(12\*x-1)/(x-1) ogf]  
A199032 14.3796 -(6\*x+5)\*(18\*x-7)/(x-1)/(9\*x+2)/(12\*x-1) lgdogf  
A199032 6.90288 [{-a(n+2)+13\*a(n+1)-12\*a(n), a(0) = 2, a(1) = 35}, ogf]  
A199042 46.7777 1/(1+2\*x+2\*x^2) lgdegf  
A199042 5.78915 [{(-2\*n^2-2\*n)\*a(n)+(-2\*n-1)\*a(n+1)-a(n+2), a(0) = 1, a(1) = 1}, ogf]  
A199085 10.6123 (1+2\*x+5\*x^2+7\*x^4-2\*x^5+x^8+6\*x^3-2\*x^7)/(x-1)/(x^2+x+1)/(x^6-2\*x^4-x^2+x-1) lgdogf  
A199085 8.95965 [ (x^6-2\*x^4-x^2+x-1)/(x^2+x+1)/(x-1)^3 ogf]  
A199106 12.5454 [ (8\*x+3)/(12\*x-1)/(x-1) ogf]  
A199106 14.0994 -(-47+72\*x+96\*x^2)/(x-1)/(12\*x-1)/(8\*x+3) lgdogf  
A199106 6.93688 [{-a(n+2)+13\*a(n+1)-12\*a(n), a(0) = 3, a(1) = 47}, ogf]  
A199107 12.7299 [ (7\*x+4)/(12\*x-1)/(x-1) ogf]  
A199107 14.3109 -(-59+96\*x+84\*x^2)/(x-1)/(12\*x-1)/(7\*x+4) lgdogf  
A199107 7.03891 [{-a(n+2)+13\*a(n+1)-12\*a(n), a(0) = 4, a(1) = 59}, ogf]  
A199108 15.4217 [ -(7\*x-5)/(3\*x-1)/(x-1) ogf]  
A199108 17.4601 -(13-30\*x+21\*x^2)/(7\*x-5)/(x-1)/(3\*x-1) lgdogf  
A199108 8.36114 [{a(n+2)-4\*a(n+1)+3\*a(n), a(0) = 5, a(1) = 13}, ogf]  
A199109 15.2769 [ -(5\*x-4)/(3\*x-1)/(x-1) ogf]

A199109 17.2930  $-(11-24*x+15*x^2)/(x-1)/(5*x-4)/(3*x-1)$  lgdogf  
A199109 8.28264  $[{a(n+2)-4*a(n+1)+3*a(n), a(0) = 4, a(1) = 11}]$ , ogf]  
A199110 15.5114  $[-2*(5*x-4)/(3*x-1)/(x-1)$  ogf]  
A199110 17.9613  $-(11-24*x+15*x^2)/(x-1)/(5*x-4)/(3*x-1)$  lgdogf  
A199110 8.59667  $[{a(n+2)-4*a(n+1)+3*a(n), a(0) = 8, a(1) = 22}]$ , ogf]  
A199111 15.5822  $[-(11*x-9)/(3*x-1)/(x-1)$  ogf]  
A199111 17.5937  $-(25-54*x+33*x^2)/(x-1)/(3*x-1)/(11*x-9)$  lgdogf  
A199111 8.63593  $[{a(n+2)-4*a(n+1)+3*a(n), a(0) = 9, a(1) = 25}]$ , ogf]  
A199112 14.3137  $[-(13*x-11)/(3*x-1)/(x-1)$  ogf]  
A199112 16.0944  $-(31-66*x+39*x^2)/(13*x-11)/(x-1)/(3*x-1)$  lgdogf  
A199112 8.00888  $[{a(n+2)-4*a(n+1)+3*a(n), a(0) = 11, a(1) = 31}]$ , ogf]  
A199113 15.6389  $[-(7*x-6)/(3*x-1)/(x-1)$  ogf]  
A199113 17.7107  $-(17-36*x+21*x^2)/(x-1)/(3*x-1)/(7*x-6)$  lgdogf  
A199113 8.47892  $[{a(n+2)-4*a(n+1)+3*a(n), a(0) = 6, a(1) = 17}]$ , ogf]  
A199114 14.4507  $[-2*(7*x-6)/(3*x-1)/(x-1)$  ogf]  
A199114 17.0848  $-(17-36*x+21*x^2)/(x-1)/(3*x-1)/(7*x-6)$  lgdogf  
A199114 8.08552  $[{a(n+2)-4*a(n+1)+3*a(n), a(0) = 12, a(1) = 34}]$ , ogf]  
A199115 14.2839  $[-3*(3*x-2)/(4*x-1)/(x-1)$  ogf]  
A199115 16.5851  $-(7-16*x+12*x^2)/(x-1)/(4*x-1)/(3*x-2)$  lgdogf  
A199115 7.74428  $[{a(n+2)-5*a(n+1)+4*a(n), a(0) = 6, a(1) = 21}]$ , ogf]  
A199116 14.1779  $[-(10*x-7)/(4*x-1)/(x-1)$  ogf]  
A199116 15.9910  $-(25-56*x+40*x^2)/(x-1)/(4*x-1)/(10*x-7)$  lgdogf  
A199116 7.85761  $[{a(n+2)-5*a(n+1)+4*a(n), a(0) = 7, a(1) = 25}]$ , ogf]  
A199142 6.93148  $[-x*(x^4+3*x^3-2*x^2-2*x+1)/(x-1)/(3*x^2+x-1)/(x^2+x-1)$  ogf]  
A199207 13.0361  $[-(11*x-8)/(4*x-1)/(x-1)$  ogf]  
A199207 14.6824  $-(29-64*x+44*x^2)/(x-1)/(11*x-8)/(4*x-1)$  lgdogf  
A199207 7.22484  $[{a(n+2)-5*a(n+1)+4*a(n), a(0) = 8, a(1) = 29}]$ , ogf]  
A199208 12.8245  $[-(13*x-10)/(4*x-1)/(x-1)$  ogf]  
A199208 14.3997  $-(37-80*x+52*x^2)/(13*x-10)/(x-1)/(4*x-1)$  lgdogf  
A199208 7.17563  $[{a(n+2)-5*a(n+1)+4*a(n), a(0) = 10, a(1) = 37}]$ , ogf]  
A199209 13.0876  $[-(14*x-11)/(4*x-1)/(x-1)$  ogf]  
A199209 14.7013  $-(41-88*x+56*x^2)/(14*x-11)/(x-1)/(4*x-1)$  lgdogf  
A199209 7.32282  $[{a(n+2)-5*a(n+1)+4*a(n), a(0) = 11, a(1) = 41}]$ , ogf]  
A199210 14.0749  $[-(5*x-4)/(4*x-1)/(x-1)$  ogf]  
A199210 15.9186  $-(15-32*x+20*x^2)/(x-1)/(5*x-4)/(4*x-1)$  lgdogf  
A199210 7.63095  $[{a(n+2)-5*a(n+1)+4*a(n), a(0) = 4, a(1) = 15}]$ , ogf]  
A199211 13.0876  $[-3*(5*x-4)/(4*x-1)/(x-1)$  ogf]  
A199211 15.4552  $-(15-32*x+20*x^2)/(x-1)/(5*x-4)/(4*x-1)$  lgdogf  
A199211 7.32282  $[{a(n+2)-5*a(n+1)+4*a(n), a(0) = 12, a(1) = 45}]$ , ogf]  
A199212 14.0127  $[-(7*x-3)/(5*x-1)/(x-1)$  ogf]  
A199212 15.8515  $-(11-30*x+35*x^2)/(x-1)/(7*x-3)/(5*x-1)$  lgdogf  
A199212 7.59725  $[{a(n+2)-6*a(n+1)+5*a(n), a(0) = 3, a(1) = 11}]$ , ogf]  
A199213 13.8066  $[-2*(2*x-1)/(5*x-1)/(x-1)$  ogf]  
A199213 16.0246  $-2*(2-5*x+5*x^2)/(x-1)/(2*x-1)/(5*x-1)$  lgdogf  
A199213 7.57682  $[{a(n+2)-6*a(n+1)+5*a(n), a(0) = 2, a(1) = 8}]$ , ogf]  
A199214 14.2875  $[-4*(2*x-1)/(5*x-1)/(x-1)$  ogf]  
A199214 16.5940  $-2*(2-5*x+5*x^2)/(x-1)/(2*x-1)/(5*x-1)$  lgdogf  
A199214 7.74622  $[{a(n+2)-6*a(n+1)+5*a(n), a(0) = 4, a(1) = 16}]$ , ogf]  
A199215 14.4935  $[-(9*x-5)/(5*x-1)/(x-1)$  ogf]  
A199215 16.4063  $-(21-50*x+45*x^2)/(x-1)/(9*x-5)/(5*x-1)$  lgdogf  
A199215 7.85794  $[{a(n+2)-6*a(n+1)+5*a(n), a(0) = 5, a(1) = 21}]$ , ogf]  
A199216 14.3801  $[-(11*x-7)/(5*x-1)/(x-1)$  ogf]  
A199216 16.2280  $-(31-70*x+55*x^2)/(x-1)/(5*x-1)/(11*x-7)$  lgdogf  
A199216 7.96967  $[{a(n+2)-6*a(n+1)+5*a(n), a(0) = 7, a(1) = 31}]$ , ogf]  
A199247 27.3084  $-x*(x^2+x+1)*(x^2+x-1)/(x+1)$  revogf  
A199248 25.6902  $x*(x-1)^2/(x^2-x+1)/(x^4-x^2+1)$  revogf  
A199257 26.0840  $x*(x-1)^2/(x^2-x+1)/(x^2+1)^2$  revogf  
A199264 6.50964  $[-(8*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x+9)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A199299 11.7151  $[(6*x+1)/(6*x-1)^2$  ogf]  
A199299 19.9568  $-18*(2*x+1)/(6*x-1)/(6*x+1)$  lgdogf

A199299 6.47776 [ $\{-a(n+2)+12*a(n+1)-36*a(n), a(0) = 1, a(1) = 18\}$ , ogf]  
A199300 12.4669 [ $(7*x+1)/(7*x-1)^2$  ogf]  
A199300 22.0833  $-7*(3+7*x)/(7*x-1)/(7*x+1)$  lgdogf  
A199300 6.89346 [ $\{-a(n+2)+14*a(n+1)-49*a(n), a(0) = 1, a(1) = 21\}$ , ogf]  
A199301 14.5962 [ $(8*x+1)/(8*x-1)^2$  ogf]  
A199301 23.2158  $-8*(3+8*x)/(8*x-1)/(8*x+1)$  lgdogf  
A199301 8.07085 [ $\{-a(n+2)+16*a(n+1)-64*a(n), a(0) = 1, a(1) = 24\}$ , ogf]  
A199308 13.9440 [ $-(3*x-2)/(5*x-1)/(x-1)$  ogf]  
A199308 16.1873  $-(9-20*x+15*x^2)/(x-1)/(3*x-2)/(5*x-1)$  lgdogf  
A199308 7.65221 [ $\{a(n+2)-6*a(n+1)+5*a(n), a(0) = 2, a(1) = 9\}$ , ogf]  
A199309 14.4248 [ $-2*(3*x-2)/(5*x-1)/(x-1)$  ogf]  
A199309 16.7567  $-(9-20*x+15*x^2)/(x-1)/(3*x-2)/(5*x-1)$  lgdogf  
A199309 7.82070 [ $\{a(n+2)-6*a(n+1)+5*a(n), a(0) = 4, a(1) = 18\}$ , ogf]  
A199310 13.1708 [ $-4*(3*x-2)/(5*x-1)/(x-1)$  ogf]  
A199310 15.6232  $-(9-20*x+15*x^2)/(x-1)/(3*x-2)/(5*x-1)$  lgdogf  
A199310 7.29951 [ $\{a(n+2)-6*a(n+1)+5*a(n), a(0) = 8, a(1) = 36\}$ , ogf]  
A199311 13.2370 [ $-(13*x-9)/(5*x-1)/(x-1)$  ogf]  
A199311 14.9181  $-(41-90*x+65*x^2)/(x-1)/(5*x-1)/(13*x-9)$  lgdogf  
A199311 7.33619 [ $\{a(n+2)-6*a(n+1)+5*a(n), a(0) = 9, a(1) = 41\}$ , ogf]  
A199312 14.5622 [ $-(7*x-5)/(5*x-1)/(x-1)$  ogf]  
A199312 16.4855  $-(23-50*x+35*x^2)/(x-1)/(7*x-5)/(5*x-1)$  lgdogf  
A199312 7.89518 [ $\{a(n+2)-6*a(n+1)+5*a(n), a(0) = 5, a(1) = 23\}$ , ogf]  
A199313 13.0850 [ $-2*(7*x-5)/(5*x-1)/(x-1)$  ogf]  
A199313 15.4568  $-(23-50*x+35*x^2)/(x-1)/(7*x-5)/(5*x-1)$  lgdogf  
A199313 7.32135 [ $\{a(n+2)-6*a(n+1)+5*a(n), a(0) = 10, a(1) = 46\}$ , ogf]  
A199314 14.2875 [ $-(4*x-3)/(5*x-1)/(x-1)$  ogf]  
A199314 15.7643  $-2*(7-15*x+10*x^2)/(x-1)/(4*x-3)/(5*x-1)$  lgdogf  
A199314 7.74622 [ $\{a(n+2)-6*a(n+1)+5*a(n), a(0) = 3, a(1) = 14\}$ , ogf]  
A199315 14.6996 [ $-2*(4*x-3)/(5*x-1)/(x-1)$  ogf]  
A199315 16.2280  $-2*(7-15*x+10*x^2)/(x-1)/(4*x-3)/(5*x-1)$  lgdogf  
A199315 7.96967 [ $\{a(n+2)-6*a(n+1)+5*a(n), a(0) = 6, a(1) = 28\}$ , ogf]  
A199316 13.2145 [ $-4*(4*x-3)/(5*x-1)/(x-1)$  ogf]  
A199316 15.2226  $-2*(7-15*x+10*x^2)/(x-1)/(4*x-3)/(5*x-1)$  lgdogf  
A199316 7.39383 [ $\{a(n+2)-6*a(n+1)+5*a(n), a(0) = 12, a(1) = 56\}$ , ogf]  
A199317 15.2491 [ $-(8*x-3)/(6*x-1)/(x-1)$  ogf]  
A199317 17.2781  $-(13-36*x+48*x^2)/(x-1)/(6*x-1)/(8*x-3)$  lgdogf  
A199317 8.26760 [ $\{a(n+2)-7*a(n+1)+6*a(n), a(0) = 3, a(1) = 13\}$ , ogf]  
A199318 14.1401 [ $-(9*x-4)/(6*x-1)/(x-1)$  ogf]  
A199318 16.0032  $-(19-48*x+54*x^2)/(x-1)/(6*x-1)/(9*x-4)$  lgdogf  
A199318 7.66633 [ $\{a(n+2)-7*a(n+1)+6*a(n), a(0) = 4, a(1) = 19\}$ , ogf]  
A199319 13.9651 [ $-5*(2*x-1)/(6*x-1)/(x-1)$  ogf]  
A199319 16.5846  $-(5-12*x+12*x^2)/(x-1)/(6*x-1)/(2*x-1)$  lgdogf  
A199319 7.73969 [ $\{a(n+2)-7*a(n+1)+6*a(n), a(0) = 5, a(1) = 25\}$ , ogf]  
A199320 14.0975 [ $-(11*x-6)/(6*x-1)/(x-1)$  ogf]  
A199320 15.9076  $-(31-72*x+66*x^2)/(x-1)/(6*x-1)/(11*x-6)$  lgdogf  
A199320 7.81305 [ $\{a(n+2)-7*a(n+1)+6*a(n), a(0) = 6, a(1) = 31\}$ , ogf]  
A199321 14.2298 [ $-(13*x-8)/(6*x-1)/(x-1)$  ogf]  
A199321 16.0598  $-(43-96*x+78*x^2)/(x-1)/(6*x-1)/(13*x-8)$  lgdogf  
A199321 7.88641 [ $\{a(n+2)-7*a(n+1)+6*a(n), a(0) = 8, a(1) = 43\}$ , ogf]  
A199336 11.0428  $-(3+10*x+21*x^2-x^4+6*x^5+x^6-4*x^3)/(x-1)/(x^2+4*x+1)/$   
 $(x^4-8*x^2+1)$  lgdogf  
A199336 11.7596 [ $-(x-1)*(x^2+4*x+1)/(x^4-8*x^2+1)$  ogf]  
A199338 11.3892 [ $(x+1)*(x^2+10*x+1)/(x^4-8*x^2+1)$  ogf]  
A199338 9.99660  $-(-11-38*x-91*x^2+41*x^4+22*x^5+x^6+4*x^3)/(x+1)/(x^2+10*x+1)/$   
 $(x^4-8*x^2+1)$  lgdogf  
A199344 6.35593 [ $-(9*x^10-10*x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/$   
 $(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A199394 4.15409 [ $\{(10*n^2+61*n+93)*a(n+1)+(-24*n^2-180*n-534)*a(n$   
 $+2)+(14*n^2+103*n+183)*a(n+3), a(0) = 11, a(1) = 90, a(2) = 357\}$ , ogf]  
A199394 8.81590 [ $-(x^3+17*x^2+35*x+11)/(x-1)^5$  ogf]  
A199398 13.2994  $-2*(1+7*x-x^2+3*x^4+13*x^5-3*x^6+11*x^3+x^7)/(x-1)/(x+1)/$

$(x^2+1)/(x^4-2x^3+6x^2+2x+1)$  lgdogf  
A199398 13.3805 [  $(x^4-2x^3+6x^2+2x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A199402 11.6523 [  $3*(2x^3-x^2+1)/(x-1)/(2x+1)/(2x-1)/(x+1)/(x^2+1)$  ogf]  
A199402 8.01445  $-2x*(-3-3x+4x^3+13x^4-x^5+12x^7-2x^2-8x^6)/(x-1)/(2x+1)/(2x-1)/(x+1)/(x^2+1)/(2x^3-x^2+1)$  lgdogf  
A199403 10.1772  $-2x*(-3+3x+8x^3-11x^4+9x^5-2x^2)/(x-1)/(2x-1)/(x+1)/(x^2+1)/(3x^2-2x+1)$  lgdogf  
A199403 13.5220 [  $(3x^2-2x+1)/(x-1)/(2x-1)/(x+1)/(x^2+1)$  ogf]  
A199404 11.1359 [  $-(x-1)*(x^2+5x+1)/(x^2+3x-1)/(x^2-3x-1)$  ogf]  
A199404 9.25370  $-(4+14x+41x^2-x^4+8x^5+x^6-4x^3)/(x-1)/(x^2+5x+1)/(x^2+3x-1)/(x^2-3x-1)$  lgdogf  
A199405 10.7326 [  $(x+1)*(x^2+13x+1)/(x^2+3x-1)/(x^2-3x-1)$  ogf]  
A199405 8.33467  $-(-14-50x-157x^2+53x^4+28x^5+x^6+4x^3)/(x+1)/(x^2+13x+1)/(x^2+3x-1)/(x^2-3x-1)$  lgdogf  
A199411 14.3622 [  $-(14x-9)/(6x-1)/(x-1)$  ogf]  
A199411 15.8167  $-(49-108x+84x^2)/(x-1)/(6x-1)/(14x-9)$  lgdogf  
A199411 7.95977 [  $\{a(n+2)-7a(n+1)+6a(n), a(0) = 9, a(1) = 49\}$ , ogf]  
A199412 15.2491 [  $-(3x-2)/(6x-1)/(x-1)$  ogf]  
A199412 17.2781  $-(11-24x+18x^2)/(x-1)/(6x-1)/(3x-2)$  lgdogf  
A199412 8.26760 [  $\{a(n+2)-7a(n+1)+6a(n), a(0) = 2, a(1) = 11\}$ , ogf]  
A199413 14.1214 [  $-5*(3x-2)/(6x-1)/(x-1)$  ogf]  
A199413 16.7058  $-(11-24x+18x^2)/(x-1)/(6x-1)/(3x-2)$  lgdogf  
A199413 7.90125 [  $\{a(n+2)-7a(n+1)+6a(n), a(0) = 10, a(1) = 55\}$ , ogf]  
A199414 14.2509 [  $-(16x-11)/(6x-1)/(x-1)$  ogf]  
A199414 15.6575  $-(61-132x+96x^2)/(16x-11)/(x-1)/(6x-1)$  lgdogf  
A199414 7.97374 [  $\{a(n+2)-7a(n+1)+6a(n), a(0) = 11, a(1) = 61\}$ , ogf]  
A199415 14.2509 [  $-(17x-12)/(6x-1)/(x-1)$  ogf]  
A199415 15.2934  $-(67-144x+102x^2)/(x-1)/(6x-1)/(17x-12)$  lgdogf  
A199415 7.97374 [  $\{a(n+2)-7a(n+1)+6a(n), a(0) = 12, a(1) = 67\}$ , ogf]  
A199416 13.2478 [  $-3*(3x-1)/(7x-1)/(x-1)$  ogf]  
A199416 15.3728  $-(5-14x+21x^2)/(x-1)/(3x-1)/(7x-1)$  lgdogf  
A199416 7.18253 [  $\{a(n+2)-8a(n+1)+7a(n), a(0) = 3, a(1) = 15\}$ , ogf]  
A199417 13.1812 [  $-(5x-2)/(7x-1)/(x-1)$  ogf]  
A199417 14.9018  $-(11-28x+35x^2)/(x-1)/(5x-2)/(7x-1)$  lgdogf  
A199417 7.14645 [  $\{a(n+2)-8a(n+1)+7a(n), a(0) = 2, a(1) = 11\}$ , ogf]  
A199418 13.2203 [  $-2*(5x-2)/(7x-1)/(x-1)$  ogf]  
A199418 15.2859  $-(11-28x+35x^2)/(x-1)/(5x-2)/(7x-1)$  lgdogf  
A199418 7.32690 [  $\{a(n+2)-8a(n+1)+7a(n), a(0) = 4, a(1) = 22\}$ , ogf]  
A199419 13.3505 [  $-(11x-5)/(7x-1)/(x-1)$  ogf]  
A199419 15.0535  $-(29-70x+77x^2)/(11x-5)/(x-1)/(7x-1)$  lgdogf  
A199419 7.39910 [  $\{a(n+2)-8a(n+1)+7a(n), a(0) = 5, a(1) = 29\}$ , ogf]  
A199420 13.1812 [  $-2*(2x-1)/(7x-1)/(x-1)$  ogf]  
A199420 15.2940  $-2*(3-7x+7x^2)/(x-1)/(2x-1)/(7x-1)$  lgdogf  
A199420 7.14645 [  $\{a(n+2)-8a(n+1)+7a(n), a(0) = 2, a(1) = 12\}$ , ogf]  
A199421 13.4475 [  $-3*(2x-1)/(7x-1)/(x-1)$  ogf]  
A199421 15.6093  $-2*(3-7x+7x^2)/(x-1)/(2x-1)/(7x-1)$  lgdogf  
A199421 7.29081 [  $\{a(n+2)-8a(n+1)+7a(n), a(0) = 3, a(1) = 18\}$ , ogf]  
A199422 13.4808 [  $-6*(2x-1)/(7x-1)/(x-1)$  ogf]  
A199422 16.0035  $-2*(3-7x+7x^2)/(x-1)/(2x-1)/(7x-1)$  lgdogf  
A199422 7.47128 [  $\{a(n+2)-8a(n+1)+7a(n), a(0) = 6, a(1) = 36\}$ , ogf]  
A199475 16.6254  $1/2/(x+1)*(1+x^2+(1-2x^2+x^4-4x)^{(1/2)})x$  revogf  
A199483 13.6110 [  $-(13x-7)/(7x-1)/(x-1)$  ogf]  
A199483 15.3531  $-(43-98x+91x^2)/(x-1)/(7x-1)/(13x-7)$  lgdogf  
A199483 7.54347 [  $\{a(n+2)-8a(n+1)+7a(n), a(0) = 7, a(1) = 43\}$ , ogf]  
A199484 13.4475 [  $-(5x-3)/(7x-1)/(x-1)$  ogf]  
A199484 15.2091  $-(19-42x+35x^2)/(x-1)/(5x-3)/(7x-1)$  lgdogf  
A199484 7.29081 [  $\{a(n+2)-8a(n+1)+7a(n), a(0) = 3, a(1) = 19\}$ , ogf]  
A199485 13.7413 [  $-3*(5x-3)/(7x-1)/(x-1)$  ogf]  
A199485 15.9004  $-(19-42x+35x^2)/(x-1)/(5x-3)/(7x-1)$  lgdogf  
A199485 7.61565 [  $\{a(n+2)-8a(n+1)+7a(n), a(0) = 9, a(1) = 57\}$ , ogf]  
A199486 13.7804 [  $-(8x-5)/(7x-1)/(x-1)$  ogf]

A199486 14.8325  $-2*(16-35*x+28*x^2)/(8*x-5)/(x-1)/(7*x-1)$  lgdogf  
A199486 7.47128  $[{a(n+2)-8*a(n+1)+7*a(n), a(0) = 5, a(1) = 32}, ogf]$   
A199487 13.6401  $[-2*(8*x-5)/(7*x-1)/(x-1)$  ogf]  
A199487 15.3440  $-2*(16-35*x+28*x^2)/(8*x-5)/(x-1)/(7*x-1)$  lgdogf  
A199487 7.63198  $[{a(n+2)-8*a(n+1)+7*a(n), a(0) = 10, a(1) = 64}, ogf]$   
A199488 13.6401  $[-(17*x-11)/(7*x-1)/(x-1)$  ogf]  
A199488 14.6303  $-(71-154*x+119*x^2)/(17*x-11)/(x-1)/(7*x-1)$  lgdogf  
A199488 7.63198  $[{a(n+2)-8*a(n+1)+7*a(n), a(0) = 11, a(1) = 71}, ogf]$   
A199489 13.2478  $[-(3*x-2)/(7*x-1)/(x-1)$  ogf]  
A199489 14.9787  $-(13-28*x+21*x^2)/(x-1)/(7*x-1)/(3*x-2)$  lgdogf  
A199489 7.18253  $[{a(n+2)-8*a(n+1)+7*a(n), a(0) = 2, a(1) = 13}, ogf]$   
A199490 13.6472  $[-2*(3*x-2)/(7*x-1)/(x-1)$  ogf]  
A199490 15.4395  $-(13-28*x+21*x^2)/(x-1)/(7*x-1)/(3*x-2)$  lgdogf  
A199490 7.39910  $[{a(n+2)-8*a(n+1)+7*a(n), a(0) = 4, a(1) = 26}, ogf]$   
A199491 13.8469  $[-3*(3*x-2)/(7*x-1)/(x-1)$  ogf]  
A199491 15.6700  $-(13-28*x+21*x^2)/(x-1)/(7*x-1)/(3*x-2)$  lgdogf  
A199491 7.50737  $[{a(n+2)-8*a(n+1)+7*a(n), a(0) = 6, a(1) = 39}, ogf]$   
A199492 12.2789  $[-6*(3*x-2)/(7*x-1)/(x-1)$  ogf]  
A199492 14.4957  $-(13-28*x+21*x^2)/(x-1)/(7*x-1)/(3*x-2)$  lgdogf  
A199492 6.87036  $[{a(n+2)-8*a(n+1)+7*a(n), a(0) = 12, a(1) = 78}, ogf]$   
A199493 12.2898  $[-(10*x-3)/(8*x-1)/(x-1)$  ogf]  
A199493 13.8389  $-(17-48*x+80*x^2)/(x-1)/(8*x-1)/(10*x-3)$  lgdogf  
A199493 6.81123  $[{a(n+2)-9*a(n+1)+8*a(n), a(0) = 3, a(1) = 17}, ogf]$   
A199494 12.4819  $[-(11*x-4)/(8*x-1)/(x-1)$  ogf]  
A199494 14.0597  $-(25-64*x+88*x^2)/(x-1)/(8*x-1)/(11*x-4)$  lgdogf  
A199494 6.91766  $[{a(n+2)-9*a(n+1)+8*a(n), a(0) = 4, a(1) = 25}, ogf]$   
A199531 10.6496  $[-4*(x^2-6*x-3)/(x-1)^4$  ogf]  
A199531 23.1809  $-2*(x+1)*(x-9)/(x-1)/(x^2-6*x-3)$  lgdogf  
A199531 3.70649  $[{(-3*n-12)*a(n+4)+(9-3*n)*a(n+3)+(30+7*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 12, a(1) = 72, a(2) = 212, a(3) = 464}, ogf]$   
A199532 13.6715  $-(x+4)*(6*x^2-81*x-40)/(x-1)/(3*x^3-22*x^2-80*x-16)$  lgdogf  
A199532 7.81155  $[2*(3*x^3-22*x^2-80*x-16)/(x-1)^5$  ogf]  
A199533 6.19332  $[-2*(x^4-21*x^3-529*x^2-467*x-40)/(x-1)^6$  ogf]  
A199533 9.36704  $-(707-3393*x-2179*x^2+2*x^4-59*x^3)/(x-1)/(x^4-21*x^3-529*x^2-467*x-40)$  lgdogf  
A199534 4.95077  $[-2*(4*x^5+4*x^4+2653*x^3+6540*x^2+2473*x+100)/(x-1)^7$  ogf]  
A199548 14.1824  $1/2/(2*x+1)*(1+x^2+(x+1)*(x^3-x^2-5*x+1))^(1/2)*x$  revogf  
A199552 12.6739  $[-(12*x-5)/(8*x-1)/(x-1)$  ogf]  
A199552 14.2805  $-(33-80*x+96*x^2)/(12*x-5)/(x-1)/(8*x-1)$  lgdogf  
A199552 7.02408  $[{a(n+2)-9*a(n+1)+8*a(n), a(0) = 5, a(1) = 33}, ogf]$   
A199553 12.8019  $[-(13*x-6)/(8*x-1)/(x-1)$  ogf]  
A199553 14.0759  $-(41-96*x+104*x^2)/(x-1)/(13*x-6)/(8*x-1)$  lgdogf  
A199553 7.09504  $[{a(n+2)-9*a(n+1)+8*a(n), a(0) = 6, a(1) = 41}, ogf]$   
A199554 12.9299  $[-7*(2*x-1)/(8*x-1)/(x-1)$  ogf]  
A199554 15.3421  $-(7-16*x+16*x^2)/(x-1)/(8*x-1)/(2*x-1)$  lgdogf  
A199554 7.16599  $[{a(n+2)-9*a(n+1)+8*a(n), a(0) = 7, a(1) = 49}, ogf]$   
A199555 12.9299  $[-(15*x-8)/(8*x-1)/(x-1)$  ogf]  
A199555 13.8809  $-(57-128*x+120*x^2)/(x-1)/(15*x-8)/(8*x-1)$  lgdogf  
A199555 7.16599  $[{a(n+2)-9*a(n+1)+8*a(n), a(0) = 8, a(1) = 57}, ogf]$   
A199556 12.7801  $[-(17*x-10)/(8*x-1)/(x-1)$  ogf]  
A199556 13.6951  $-(73-160*x+136*x^2)/(17*x-10)/(x-1)/(8*x-1)$  lgdogf  
A199556 7.15079  $[{a(n+2)-9*a(n+1)+8*a(n), a(0) = 10, a(1) = 73}, ogf]$   
A199557 12.8428  $[-(18*x-11)/(8*x-1)/(x-1)$  ogf]  
A199557 13.7635  $-(81-176*x+144*x^2)/(18*x-11)/(x-1)/(8*x-1)$  lgdogf  
A199557 7.18583  $[{a(n+2)-9*a(n+1)+8*a(n), a(0) = 11, a(1) = 81}, ogf]$   
A199558 12.8428  $[-(19*x-12)/(8*x-1)/(x-1)$  ogf]  
A199558 13.7635  $-(89-192*x+152*x^2)/(x-1)/(8*x-1)/(19*x-12)$  lgdogf  
A199558 7.18583  $[{a(n+2)-9*a(n+1)+8*a(n), a(0) = 12, a(1) = 89}, ogf]$   
A199559 12.5295  $[-(11*x-3)/(9*x-1)/(x-1)$  ogf]  
A199559 14.4278  $-(19-54*x+99*x^2)/(x-1)/(11*x-3)/(9*x-1)$  lgdogf  
A199559 7.01057  $[{a(n+2)-10*a(n+1)+9*a(n), a(0) = 3, a(1) = 19}, ogf]$



A199560 12.6099 [  $-2*(3*x-1)/(9*x-1)/(x-1)$  ogf]  
A199560 14.9547  $-(7-18*x+27*x^2)/(x-1)/(3*x-1)/(9*x-1)$  lgdogf  
A199560 6.90542 [  $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 2, a(1) = 14\}$ , ogf]  
A199561 12.7801 [  $-4*(3*x-1)/(9*x-1)/(x-1)$  ogf]  
A199561 15.4971  $-(7-18*x+27*x^2)/(x-1)/(3*x-1)/(9*x-1)$  lgdogf  
A199561 7.15079 [  $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 4, a(1) = 28\}$ , ogf]  
A199562 12.9681 [  $-(13*x-5)/(9*x-1)/(x-1)$  ogf]  
A199562 14.5786  $-(37-90*x+117*x^2)/(13*x-5)/(x-1)/(9*x-1)$  lgdogf  
A199562 7.25594 [  $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 5, a(1) = 37\}$ , ogf]  
A199563 13.0934 [  $-2*(7*x-3)/(9*x-1)/(x-1)$  ogf]  
A199563 15.4772  $-(23-54*x+63*x^2)/(x-1)/(7*x-3)/(9*x-1)$  lgdogf  
A199563 7.32605 [  $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 6, a(1) = 46\}$ , ogf]  
A199564 13.2187 [  $-(15*x-7)/(9*x-1)/(x-1)$  ogf]  
A199564 14.5119  $-(55-126*x+135*x^2)/(x-1)/(9*x-1)/(15*x-7)$  lgdogf  
A199564 7.39615 [  $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 7, a(1) = 55\}$ , ogf]  
A199565 12.7379 [  $-2*(2*x-1)/(9*x-1)/(x-1)$  ogf]  
A199565 15.1096  $-2*(4-9*x+9*x^2)/(x-1)/(2*x-1)/(9*x-1)$  lgdogf  
A199565 6.97552 [  $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 2, a(1) = 16\}$ , ogf]  
A199566 13.1220 [  $-4*(2*x-1)/(9*x-1)/(x-1)$  ogf]  
A199566 15.5745  $-2*(4-9*x+9*x^2)/(x-1)/(2*x-1)/(9*x-1)$  lgdogf  
A199566 7.18583 [  $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 4, a(1) = 32\}$ , ogf]  
A199567 13.2813 [  $-8*(2*x-1)/(9*x-1)/(x-1)$  ogf]  
A199567 16.1169  $-2*(4-9*x+9*x^2)/(x-1)/(2*x-1)/(9*x-1)$  lgdogf  
A199567 7.43120 [  $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 8, a(1) = 64\}$ , ogf]  
A199572 24.9368 [  $-1/(2*x-1)/(2*x+1)$  ogf]  
A199572 34.1221  $-8*x/(2*x-1)/(2*x+1)$  lgdogf  
A199572 9.89557 [  $\{a(n+2)-4*a(n), a(0) = 1, a(1) = 0\}$ , ogf]  
A199573 13.2800 [  $(2*x^2-1)/(2*x-1)/(2*x+1)$  ogf]  
A199573 22.6421  $4*x/(2*x-1)/(2*x+1)/(2*x^2-1)$  lgdogf  
A199573 7.19999 [  $\{a(n+3)-4*a(n+1), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf]  
A199578 4.37382 [  $\{(-n^2-6*n-9)*a(n+1)+(-2*n-6)*a(n+2)-a(n+3), a(0) = 1, a(1) = -2, a(2) = 4\}$ , ogf]  
A199579 6.66005 [  $-(24*x^3-36*x^2+12*x-1)/(24*x^4-96*x^3+72*x^2-16*x+1)$  ogf]  
A199594 11.2818 [  $x^3*(x+2)/(x^5-x^3-x^2-x+1)$  ogf]  
A199594 13.3587  $-(3-4*x-7*x^2+10*x^4+4*x^5-2*x^3)/(x+2)/(x^5-x^3-x^2-x+1)$  lgdogf  
A199626 12.1314  $-(6+16*x+15*x^2+32*x^4+16*x^5+3*x^6+32*x^3)/(x-1)/(x+2)/(x+1)/(x^2+1)/(x^2+2*x+2)$  lgdogf  
A199626 9.78388 [  $-x*(x+2)*(x^2+2*x+2)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A199627 7.55554 [  $(x^7-2*x^6+3*x^5-x^4-x^3+2*x^2-2*x+1)*(x+1)^2/(x-1)^2/(x^2+1)$  ogf]  
A199628 4.82609 [  $(x^9+3*x^6+3*x^3-x^2+1)*(x^9+3*x^6+3*x^3+x^2+1)*(x+1)^2/(x-1)^2/(x^2+1)$  ogf]  
A199638 7.45482 [  $(12*x^7-4*x^6+x^5+x^4+x^3+x^2+3*x+5)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A199641 6.59423 [  $(4*x^6+4*x^5-7*x^4-8*x^3-3*x^2+1)/(8*x^5-8*x^3-7*x^2-3*x+1)$  ogf]  
A199649 6.86118 [  $(4*x^5+5*x^4-3*x^3-7*x^2-2*x+2)/(8*x^4+2*x^3-4*x^2-8*x+1)$  ogf]  
A199659 16.8781 [  $-(-3*x-3)/(x^3-1)$  ogf\_with\_Euler\_transform]  
A199670 16.0830  $-2/3*\exp(-x)+2/3*\exp(1/2*x)*\cos(1/2*3^(1/2)*x)$  revevgf  
A199677 13.2813 [  $-(17*x-9)/(9*x-1)/(x-1)$  ogf]  
A199677 14.5820  $-(73-162*x+153*x^2)/(x-1)/(17*x-9)/(9*x-1)$  lgdogf  
A199677 7.43120 [  $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 9, a(1) = 73\}$ , ogf]  
A199678 13.0660 [  $-(19*x-11)/(9*x-1)/(x-1)$  ogf]  
A199678 14.3113  $-(91-198*x+171*x^2)/(19*x-11)/(x-1)/(9*x-1)$  lgdogf  
A199678 7.37842 [  $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 11, a(1) = 91\}$ , ogf]  
A199679 12.9939 [  $-(5*x-3)/(9*x-1)/(x-1)$  ogf]  
A199679 15.0242  $-(25-54*x+45*x^2)/(x-1)/(9*x-1)/(5*x-3)$  lgdogf  
A199679 7.11573 [  $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 3, a(1) = 25\}$ , ogf]  
A199680 13.1560 [  $-2*(5*x-3)/(9*x-1)/(x-1)$  ogf]  
A199680 15.5527  $-(25-54*x+45*x^2)/(x-1)/(9*x-1)/(5*x-3)$  lgdogf

A199680 7.36110  $[ \{a(n+2)-10*a(n+1)+9*a(n), a(0) = 6, a(1) = 50\}, \text{ogf}]$   
A199681 11.6819  $[ -4*(5*x-3)/(9*x-1)/(x-1) \text{ogf}]$   
A199681 14.0813  $-(25-54*x+45*x^2)/(x-1)/(9*x-1)/(5*x-3) \text{lgdogf}$   
A199681 6.52014  $[ \{a(n+2)-10*a(n+1)+9*a(n), a(0) = 12, a(1) = 100\}, \text{ogf}]$   
A199682 13.0046  $[ -3*(4*x-1)/(10*x-1)/(x-1) \text{ogf}]$   
A199682 15.7037  $-(7-20*x+40*x^2)/(x-1)/(4*x-1)/(10*x-1) \text{lgdogf}$   
A199682 7.34378  $[ \{a(n+2)-11*a(n+1)+10*a(n), a(0) = 3, a(1) = 21\}, \text{ogf}]$   
A199683 13.0046  $[ -(13*x-4)/(10*x-1)/(x-1) \text{ogf}]$   
A199683 14.5820  $-(31-80*x+130*x^2)/(x-1)/(13*x-4)/(10*x-1) \text{lgdogf}$   
A199683 7.34378  $[ \{a(n+2)-11*a(n+1)+10*a(n), a(0) = 4, a(1) = 31\}, \text{ogf}]$   
A199684 13.0046  $[ -(14*x-5)/(10*x-1)/(x-1) \text{ogf}]$   
A199684 14.2429  $-(41-100*x+140*x^2)/(x-1)/(14*x-5)/(10*x-1) \text{lgdogf}$   
A199684 7.34378  $[ \{a(n+2)-11*a(n+1)+10*a(n), a(0) = 5, a(1) = 41\}, \text{ogf}]$   
A199685 13.0046  $[ -3*(5*x-2)/(10*x-1)/(x-1) \text{ogf}]$   
A199685 15.3111  $-(17-40*x+50*x^2)/(x-1)/(5*x-2)/(10*x-1) \text{lgdogf}$   
A199685 7.34378  $[ \{a(n+2)-11*a(n+1)+10*a(n), a(0) = 6, a(1) = 51\}, \text{ogf}]$   
A199686 13.0046  $[ -(16*x-7)/(10*x-1)/(x-1) \text{ogf}]$   
A199686 14.2429  $-(61-140*x+160*x^2)/(x-1)/(16*x-7)/(10*x-1) \text{lgdogf}$   
A199686 7.34378  $[ \{a(n+2)-11*a(n+1)+10*a(n), a(0) = 7, a(1) = 61\}, \text{ogf}]$   
A199687 13.0046  $[ -(17*x-8)/(10*x-1)/(x-1) \text{ogf}]$   
A199687 14.2429  $-(71-160*x+170*x^2)/(x-1)/(17*x-8)/(10*x-1) \text{lgdogf}$   
A199687 7.34378  $[ \{a(n+2)-11*a(n+1)+10*a(n), a(0) = 8, a(1) = 71\}, \text{ogf}]$   
A199688 13.2813  $[ -3*(2*x-1)/(10*x-1)/(x-1) \text{ogf}]$   
A199688 15.7037  $-(9-20*x+20*x^2)/(x-1)/(2*x-1)/(10*x-1) \text{lgdogf}$   
A199688 7.34378  $[ \{a(n+2)-11*a(n+1)+10*a(n), a(0) = 3, a(1) = 27\}, \text{ogf}]$   
A199689 13.0046  $[ -9*(2*x-1)/(10*x-1)/(x-1) \text{ogf}]$   
A199689 15.7037  $-(9-20*x+20*x^2)/(x-1)/(2*x-1)/(10*x-1) \text{lgdogf}$   
A199689 7.34378  $[ \{a(n+2)-11*a(n+1)+10*a(n), a(0) = 9, a(1) = 81\}, \text{ogf}]$   
A199690 13.2813  $[ -(7*x-4)/(10*x-1)/(x-1) \text{ogf}]$   
A199690 15.3111  $-(37-80*x+70*x^2)/(x-1)/(7*x-4)/(10*x-1) \text{lgdogf}$   
A199690 7.34378  $[ \{a(n+2)-11*a(n+1)+10*a(n), a(0) = 4, a(1) = 37\}, \text{ogf}]$   
A199691 12.3873  $[ -3*(7*x-4)/(10*x-1)/(x-1) \text{ogf}]$   
A199691 14.8854  $-(37-80*x+70*x^2)/(x-1)/(7*x-4)/(10*x-1) \text{lgdogf}$   
A199691 6.97676  $[ \{a(n+2)-11*a(n+1)+10*a(n), a(0) = 12, a(1) = 111\}, \text{ogf}]$   
A199705 13.5071  $[ -2*(2*x^2+x+3)/(x+1)/(x-1)^3 \text{ogf}]$   
A199705 17.9674  $-(7+18*x+7*x^2+4*x^3)/(x-1)/(x+1)/(2*x^2+x+3) \text{lgdogf}$   
A199706 7.20150  $[ 4*(2*x^4+4*x^3+9*x^2+7*x+2)/(x^2+x+1)/(x-1)^4 \text{ogf}]$   
A199706 8.54211  $-(13+45*x+72*x^2+54*x^3+18*x^4+18*x^5+4*x^6+82*x^3)/(x-1)/(x^2+x+1)/$   
 $(2*x^4+4*x^3+9*x^2+7*x+2) \text{lgdogf}$   
A199707 4.34299  $[$   
 $-2*(8*x^9+47*x^8+222*x^7+426*x^6+618*x^5+618*x^4+482*x^3+246*x^2+86*x+7)/$   
 $(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5 \text{ogf}]$   
A199710 10.4844  $[ (13*x^3-14*x^2+x+1)/(169*x^4-28*x^2+1) \text{ogf}]$   
A199710 8.01143  $-( -1-28*x-67*x^2+871*x^4-4732*x^5+2197*x^6+676*x^3)/$   
 $(13*x^3-14*x^2+x+1)/(169*x^4-28*x^2+1) \text{lgdogf}$   
A199744 19.4050  $[ 1/(x^4+2*x^3+2*x^2+x+1) \text{ogf}]$   
A199744 21.7318  $-(2*x+1)*(2*x^2+2*x+1)/(2*x^2+1+x+x^4+2*x^3) \text{lgdogf}$   
A199750 13.1273  $[ -(13*x-3)/(11*x-1)/(x-1) \text{ogf}]$   
A199750 14.7222  $-(23-66*x+143*x^2)/(x-1)/(13*x-3)/(11*x-1) \text{lgdogf}$   
A199750 7.41306  $[ \{a(n+2)-12*a(n+1)+11*a(n), a(0) = 3, a(1) = 23\}, \text{ogf}]$   
A199751 13.2813  $[ -(7*x-2)/(11*x-1)/(x-1) \text{ogf}]$   
A199751 15.3111  $-(17-44*x+77*x^2)/(x-1)/(7*x-2)/(11*x-1) \text{lgdogf}$   
A199751 7.34378  $[ \{a(n+2)-12*a(n+1)+11*a(n), a(0) = 2, a(1) = 17\}, \text{ogf}]$   
A199752 11.8626  $[ -2*(7*x-2)/(11*x-1)/(x-1) \text{ogf}]$   
A199752 13.9460  $-(17-44*x+77*x^2)/(x-1)/(7*x-2)/(11*x-1) \text{lgdogf}$   
A199752 6.69886  $[ \{a(n+2)-12*a(n+1)+11*a(n), a(0) = 4, a(1) = 34\}, \text{ogf}]$   
A199753 12.0432  $[ -5*(3*x-1)/(11*x-1)/(x-1) \text{ogf}]$   
A199753 14.5260  $-(9-22*x+33*x^2)/(x-1)/(3*x-1)/(11*x-1) \text{lgdogf}$   
A199753 6.80087  $[ \{a(n+2)-12*a(n+1)+11*a(n), a(0) = 5, a(1) = 45\}, \text{ogf}]$   
A199754 11.9920  $[ -(8*x-3)/(11*x-1)/(x-1) \text{ogf}]$   
A199754 13.1443  $-2*(14-33*x+44*x^2)/(x-1)/(8*x-3)/(11*x-1) \text{lgdogf}$

A199754 6.63085 [ $\{a(n+2)-12a(n+1)+11a(n), a(0) = 3, a(1) = 28\}$ , ogf]  
A199755 12.1636 [ $-2*(8*x-3)/(11*x-1)/(x-1)$  ogf]  
A199755 13.6260 [ $-2*(14-33*x+44*x^2)/(x-1)/(8*x-3)/(11*x-1)$  lgdogf]  
A199755 6.86888 [ $\{a(n+2)-12a(n+1)+11a(n), a(0) = 6, a(1) = 56\}$ , ogf]  
A199756 12.2841 [ $-(17*x-7)/(11*x-1)/(x-1)$  ogf]  
A199756 13.4436 [ $-(67-154*x+187*x^2)/(x-1)/(11*x-1)/(17*x-7)$  lgdogf]  
A199756 6.93688 [ $\{a(n+2)-12a(n+1)+11a(n), a(0) = 7, a(1) = 67\}$ , ogf]  
A199757 12.1764 [ $-(9*x-4)/(11*x-1)/(x-1)$  ogf]  
A199757 14.0183 [ $-(39-88*x+99*x^2)/(x-1)/(9*x-4)/(11*x-1)$  lgdogf]  
A199757 6.73286 [ $\{a(n+2)-12a(n+1)+11a(n), a(0) = 4, a(1) = 39\}$ , ogf]  
A199758 12.4045 [ $-2*(9*x-4)/(11*x-1)/(x-1)$  ogf]  
A199758 14.5964 [ $-(39-88*x+99*x^2)/(x-1)/(9*x-4)/(11*x-1)$  lgdogf]  
A199758 7.00489 [ $\{a(n+2)-12a(n+1)+11a(n), a(0) = 8, a(1) = 78\}$ , ogf]  
A199759 12.4647 [ $-(19*x-9)/(11*x-1)/(x-1)$  ogf]  
A199759 13.6452 [ $-(89-198*x+209*x^2)/(x-1)/(19*x-9)/(11*x-1)$  lgdogf]  
A199759 7.03891 [ $\{a(n+2)-12a(n+1)+11a(n), a(0) = 9, a(1) = 89\}$ , ogf]  
A199760 13.2813 [ $-(2*x-1)/(11*x-1)/(x-1)$  ogf]  
A199760 14.9376 [ $-2*(5-11*x+11*x^2)/(x-1)/(2*x-1)/(11*x-1)$  lgdogf]  
A199760 7.34378 [ $\{a(n+2)-12a(n+1)+11a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A199761 13.3440 [ $-2*(2*x-1)/(11*x-1)/(x-1)$  ogf]  
A199761 15.0095 [ $-2*(5-11*x+11*x^2)/(x-1)/(2*x-1)/(11*x-1)$  lgdogf]  
A199761 7.37842 [ $\{a(n+2)-12a(n+1)+11a(n), a(0) = 2, a(1) = 20\}$ , ogf]  
A199762 12.1034 [ $-5*(2*x-1)/(11*x-1)/(x-1)$  ogf]  
A199762 13.8879 [ $-2*(5-11*x+11*x^2)/(x-1)/(2*x-1)/(11*x-1)$  lgdogf]  
A199762 6.83487 [ $\{a(n+2)-12a(n+1)+11a(n), a(0) = 5, a(1) = 50\}$ , ogf]  
A199763 12.3873 [ $-10*(2*x-1)/(11*x-1)/(x-1)$  ogf]  
A199763 14.5223 [ $-2*(5-11*x+11*x^2)/(x-1)/(2*x-1)/(11*x-1)$  lgdogf]  
A199763 6.97676 [ $\{a(n+2)-12a(n+1)+11a(n), a(0) = 10, a(1) = 100\}$ , ogf]  
A199764 12.3873 [ $-(21*x-11)/(11*x-1)/(x-1)$  ogf]  
A199764 13.2315 [ $-(111-242*x+231*x^2)/(x-1)/(21*x-11)/(11*x-1)$  lgdogf]  
A199764 6.97676 [ $\{a(n+2)-12a(n+1)+11a(n), a(0) = 11, a(1) = 111\}$ , ogf]  
A199771 14.4789 [ $-(5+14*x+20*x^2+3*x^4+6*x^3)/(x-1)/(x+1)/(x^3+x^2+3*x+1)$  lgdogf]  
A199771 8.88220 [ $(x^3+x^2+3*x+1)/(x+1)^2/(x-1)^4$  ogf]  
A199772 8.58368 [ $-(x-1)*(x^4+5*x^3+30*x^2+5*x+1)/(x^6-66*x^3+1)$  ogf]  
A199773 8.70560 [ $(x+1)*(x^4+15*x^3+88*x^2+15*x+1)/(x^6-66*x^3+1)$  ogf]  
A199774 9.52685 [ $x*(3*x^4+5*x^3+32*x^2+5*x+3)/(x^6-66*x^3+1)$  ogf]  
A199798 8.44956 [ $-(13*x^5+21*x^4+132*x^3-21*x^2-13*x-4)/(x^6-66*x^3+1)$  ogf]  
A199802 23.5260 [ $1/(x^4-x^3+2*x^2-2*x+1)$  ogf]  
A199802 26.7733 [ $-(2+4*x-3*x^2+4*x^3)/(2*x^2+1-2*x+x^4-x^3)$  lgdogf]  
A199803 22.6224 [ $1/(x^4-x^3-x^2+x+1)$  ogf]  
A199803 32.8127 [ $-(x-1)*(4*x^2+x-1)/(-x^2+1+x+x^4-x^3)$  lgdogf]  
A199804 11.2783 [ $\{-a(n+3)-a(n+2)-a(n), a(0) = 1, a(1) = -1, a(2) = 1\}$ , ogf]  
A199804 32.1261 [ $1/(x^3+x+1)$  ogf]  
A199804 57.1155 [ $-(1+3*x^2)/(1+x+x^3)$  lgdogf]  
A199805 22.8691 [ $1/(x^4-x^3+5*x^2+x+1)$  ogf]  
A199805 26.5094 [ $-(1+10*x-3*x^2+4*x^3)/(5*x^2+1+x+x^4-x^3)$  lgdogf]  
A199833 10.6994 [ $4*(x^2+6*x+1)/(x-1)^4$  ogf]  
A199833 22.2613 [ $-2*(5+10*x+x^2)/(x-1)/(x^2+6*x+1)$  lgdogf]  
A199833 3.70770 [ $\{(n+4)*a(n+4)+(5+5*n)*a(n+3)+(-30-5*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 4, a(1) = 40, a(2) = 140, a(3) = 336\}$ , ogf]  
A199834 13.2908 [ $-(57+304*x+198*x^2+16*x^3)/(x-1)/(8*x^3+58*x^2+47*x+2)$  lgdogf]  
A199834 8.03780 [ $-2*(8*x^3+58*x^2+47*x+2)/(x-1)^5$  ogf]  
A199835 5.96838 [ $2*(12*x^4+281*x^3+575*x^2+183*x+5)/(x-1)^6$  ogf]  
A199835 8.70256 [ $-(213+2065*x+3143*x^2+24*x^4+891*x^3)/(x-1)/(12*x^4+281*x^3+575*x^2+183*x+5)$  lgdogf]  
A199836 4.77240 [ $-2*(32*x^5+1167*x^4+5240*x^3+4576*x^2+748*x+11)/(x-1)^7$  ogf]  
A199837 3.68849 [ $2*(56*x^6+4819*x^5+40405*x^4+73486*x^3+32914*x^2+2927*x+17)/(x-1)^8$  ogf]  
A199838 3.19239 [ $-2*(128*x^7+18897*x^6+283090*x^5+937667*x^4+866735*x^3+219651*x^2+11306*x+33)/(x-1)^9$  ogf]

A199848 7.05641 [  $-(4x^5-12x^4+11x^3-6x^2+10x-11)/(x^2+x+1)/(x-1)^4$  ogf]  
A199849 4.70490 [  $-(x^{11}+7x^{10}-16x^9-3x^8+10x^7+3x^6+16x^5-13x^4+x^3+14x+26)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A199853 11.0338 [  $(x^3-3x+1)/(x^3-x^2-2x+1)$  ogf]  
A199853 19.0586  $-(x^2-x+1)^2/(x^3-3x+1)/(x^3-x^2-2x+1)$  lgdogf  
A199853 5.09895 [  $\{a(n+4)-2a(n+3)-a(n+2)+a(n+1), a(0) = 1, a(1) = -1, a(2) = -1, a(3) = -3\}$ , ogf]  
A199874 38.6084  $-x(-1+x+x^3)/(1+x^2)$  revogf  
A199899 10.0861 [  $-(x-3)(x^2-2x+5)/(x-1)^4$  ogf]  
A199899 17.3787  $-(-49+23x-7x^2+x^3)/(x-1)/(x-3)/(x^2-2x+5)$  lgdogf  
A199899 5.77390 [  $\{(-n-6)a(n+1)-3a(n+2)+(n+3)a(n+3), a(0) = 15, a(1) = 49, a(2) = 111\}$ , ogf]  
A199900 13.5242  $-(159-32x-18x^2+x^4)/(x-1)/(x^4-2x^3-4x^2-6x+33)$  lgdogf  
A199900 7.61220 [  $-(x^4-2x^3-4x^2-6x+33)/(x-1)^5$  ogf]  
A199901 6.18306 [  $-(x^5-3x^4-10x^3+38x^2-83x-75)/(x-1)^6$  ogf]  
A199901 9.26008  $-(-533-339x+122x^2-x^4+x^5-42x^3)/(x-1)/(x^5-3x^4-10x^3+38x^2-83x-75)$  lgdogf  
A199902 5.06551 [  $-(x^6-8x^5+25x^4-104x^3-67x^2+586x+171)/(x-1)^7$  ogf]  
A199902 6.94840  $-(1783+3382x-647x^2+35x^4-10x^5+x^6-316x^3)/(x-1)/(x^6-8x^5+25x^4-104x^3-67x^2+586x+171)$  lgdogf  
A199910 11.0758 [  $-6(x^2+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A199910 17.2420  $-(x^2+2)(3x^2+2x+1)/(x-1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A199910 24.3641  $[-x^3+x^2+x+2$  ogf\_with\_Euler\_transform]  
A199911 5.44300 [  $8*(x+1)(x^2+1)(x^4+x^3+4x^2+x+1)/(x^2+x+1)^3/(x-1)^4$  ogf]  
A199912 3.83719 [  $-2*(7x^{10}+34x^9+87x^8+246x^7+380x^6+332x^5+380x^4+246x^3+87x^2+34x+7)/(x^2+x+1)^4/(x-1)^5$  ogf]  
A199923 14.6977  $2*(x-1)/(3x-1)/(5x^2-4x+1)$  lgdogf  
A199923 4.29815 [  $\{-a(n+3)+6a(n+2)-9a(n+1), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A199923 8.27191 [  $(5x^2-4x+1)/(3x-1)^2$  ogf]  
A199925 10.2225  $-(-2-4x-6x^2+5x^4+4x^5+3x^6+2x^7)/(x+1)/(x^2+1)/(x^5-x^3-x^2-x+1)$  lgdogf  
A199925 8.58125 [  $x^3(x^2+1)(x+1)/(x^5-x^3-x^2-x+1)$  ogf]  
A199926 10.7745  $-(1+x^2-5x^4+3x^6+2x^3+2x^7)/(x^3+x^2-1)/(x^5-x^3-x^2-x+1)$  lgdogf  
A199926 8.72248 [  $-x^3(x^3+x^2-1)/(x^5-x^3-x^2-x+1)$  ogf]  
A199927 12.6233 [  $-(x^2-2x-1)/(x^4-x^3+5x^2+x+1)$  ogf]  
A199927 15.5997  $-(1-12x-8x^2-7x^4+2x^5)/(x^2-2x-1)/(x^4-x^3+5x^2+x+1)$  lgdogf  
A199928 12.2631 [  $(x^2+x+2)/(x^4-x^3+5x^2+x+1)$  ogf]  
A199928 14.0415  $-(1+18x-2x^2+2x^4+2x^5+6x^3)/(x^2+x+2)/(x^4-x^3+5x^2+x+1)$  lgdogf  
A199929 12.1618 [  $(x^2-2x+2)/(x^4-x^3+5x^2+x+1)$  ogf]  
A199929 13.2554  $-(4+18x-17x^2-7x^4+2x^5+12x^3)/(x^2-2x+2)/(x^4-x^3+5x^2+x+1)$  lgdogf  
A199930 12.5211 [  $(2x^2-x+1)/(x^4-x^3+5x^2+x+1)$  ogf]  
A199930 14.0512  $-(2+6x-10x^2-5x^4+4x^5+6x^3)/(2x^2-x+1)/(x^4-x^3+5x^2+x+1)$  lgdogf  
A199931 11.8071 [  $(x^2+x-1)/(x^4-x^3+5x^2+x+1)$  ogf]  
A199931 13.4397  $-(-2-12x+7x^2+2x^4+2x^5-6x^3)/(x^2+x-1)/(x^4-x^3+5x^2+x+1)$  lgdogf  
A199933 12.3167 [  $(2x^2+2x+1)/(x^4-x^3+5x^2+x+1)$  ogf]  
A199933 14.6835  $-(-1+6x+5x^2+4x^4+4x^5)/(2x^2+2x+1)/(x^4-x^3+5x^2+x+1)$  lgdogf  
A199935 10.9708 [  $-x^2(x-2)/(x-1)/(x^2-x+1)/(x^2+x-1)$  ogf]  
A199935 12.6875  $-(5-12x+9x^2-13x^4+4x^5+6x^3)/(x-1)/(x-2)/(x^2-x+1)/(x^2+x-1)$  lgdogf  
A199944 11.1784  $-2*(9+44x+78x^2+13x^4+48x^3)/(x-1)/(x+1)/(13x^3+19x^2+15x+1)$  lgdogf  
A199944 8.67375 [  $2*(13x^3+19x^2+15x+1)/(x+1)/(x-1)^4$  ogf]  
A199945 3.75922 [

$-2*(78*x^9+303*x^8+825*x^7+1436*x^6+1731*x^5+1408*x^4+803*x^3+276*x^2+51*x+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^5$  ogf]  
A199969 17.8949 [  $-x^2*(x-2)/(x-1)^2$  ogf]  
A199969 39.2816  $-(x-3)/(x-1)/(x-2)$  lgdogf  
A199969 8.46812 [  $\{a(n+4)-2*a(n+3)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 3\}$ , ogf]  
A199972 11.8753  $(-9-2*x+11*x^2+2*x^4-8*x^3)/(x-1)/(2*x^4-5*x^3+4*x^2-3*x+4)$  lgdogf  
A199972 8.33292 [  $-x^2*(2*x^4-5*x^3+4*x^2-3*x+4)/(x-1)^3$  ogf]  
A200031 13.0560  $[-3/2*x-1/2+1/2*(5*x^2+10*x+1)^{(1/2)}$  revogf]  
A200031 22.3964  $-1/2-3/2*x+1/2*(1+10*x+5*x^2)^{(1/2)}$  revogf  
A200031 3.72156 [  $\{(25*n^2+25*n)*a(n)+(-45*n^2-105*n-60)*a(n+1)+(-5*n^2-35*n-60)*a(n+2)+(n^2+7*n+12)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 25\}$ , ogf]  
A200039 12.2505 [  $-(-15*x^2-14*x-7)/(-5*x^3-x^2+5*x+1)$  lgdogf]  
A200039 13.9402 [  $-2*x*(5*x+1)/(x+1)/(x-1)^3$  ogf]  
A200039 22.1384  $-(7+14*x+15*x^2)/(x-1)/(5*x+1)/(x+1)$  lgdogf  
A200039 4.06297 [  $\{(-3-n)*a(n+4)+(-3-5*n)*a(n+3)+(15+n)*a(n+2)+(15+5*n)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 14, a(3) = 28\}$ , ogf]  
A200040 3.66275 [  $2*(36*x^{11}+79*x^{10}+138*x^9+191*x^8+243*x^7+240*x^6+212*x^5+152*x^4+93*x^3+41*x^2+14*x+1)/(x^4+x^3+x^2+x+1)/(x+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A200047 12.5690 [  $x*(x-1)^2/(x^2+x-1)/(x^3+x-1)$  ogf]  
A200047 16.1912  $-x*(2-3*x^3+3*x^4-4*x^2)/(x-1)/(x^2+x-1)/(x^3+x-1)$  lgdogf  
A200047 9.72601 [  $-(3*x^5-3*x^4-4*x^3+2*x)/(x^6-x^4-2*x^2+3*x-1)$  lgdogf]  
A200048 6.10870 [  $(x^6+25*x^5+110*x^4+196*x^3+149*x^2+55*x+4)/(x+1)^3/(x-1)^4$  ogf]  
A200058 7.61167 [  $2*(x^2+3*x+1)*(x^2+x+2)/(x^2+x+1)/(x-1)^4$  ogf]  
A200058 9.38229  $-(13+39*x+63*x^2+39*x^4+15*x^5+2*x^6+69*x^3)/(x-1)/(x^2+x+1)/(x^2+3*x+1)/(x^2+x+2)$  lgdogf  
A200059 4.57725 [  $-2*(x^9+10*x^8+51*x^7+105*x^6+159*x^5+168*x^4+135*x^3+76*x^2+28*x+3)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A200067 12.5918  $-(3+6*x+15*x^2+8*x^4+5*x^5+11*x^3)/(x-1)/(x+1)/(1+x^2)/(1+x*x^2)$  lgdogf  
A200067 27.7796 [  $-x^3+2*x^2+3$  ogf\_with\_Euler\_transform]  
A200067 6.92126 [  $x^3*(x^2+1)*(x+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A200069 14.7368 [  $-(-26*x-4)/(-13*x^2-4*x+1)$  lgdogf]  
A200069 21.6718 [  $-1/(13*x^2+4*x-1)$  ogf]  
A200069 27.8576  $-2*(2+13*x)/(13*x^2-1+4*x)$  lgdogf  
A200069 8.87759 [  $\{-a(n+2)+4*a(n+1)+13*a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A200141 11.4027 [  $-(4*x^6+5*x^5+3*x^4+5*x^3+8*x^2+x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A200142 13.1223 [  $-(15*x+10)/(6*x^2-x-1)$  lgdegf]  
A200142 24.7905  $-5*(2+3*x)/(1+3*x)/(2*x-1)$  lgdegf  
A200142 5.70534 [  $\{(-2*n^2-13*n-21)*a(n+1)+(n+2)*a(n+2), a(0) = 3, a(1) = 30\}$ , ogf]  
A200155 6.14575 [  $-(x^7-2*x^6-4*x^4+2*x^3-8*x^2-x-4)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A200166 11.1784  $-(17+77*x+155*x^2+36*x^4+99*x^3)/(x-1)/(x+1)/(18*x^3+15*x^2+14*x+1)$  lgdogf  
A200166 7.20085 [  $-(-36*x^4-99*x^3-155*x^2-77*x-17)/(-18*x^5-15*x^4+4*x^3+14*x^2+14*x+1)$  lgdogf]  
A200166 8.67375 [  $2*(18*x^3+15*x^2+14*x+1)/(x+1)/(x-1)^4$  ogf]  
A200182 12.5496  $-2*(3+5*x+2*x^2-3*x^5+x^6+x^3)/(x-1)/(x^2+x+1)/(2*x^4-5*x^3+2*x^2+3)$  lgdogf  
A200182 9.76939 [  $-(2*x^4-5*x^3+2*x^2+3)/(x^2+x+1)/(x-1)^3$  ogf]  
A200183 5.71178 [  $-(x^9+2*x^8-3*x^6-x^5+2*x^4+10*x^3+13*x^2+12*x+2)/(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A200184 5.06762 [  $-(2*x^{11}-5*x^9-4*x^8+4*x^7+5*x^6+2*x^5-x^4-4*x^3-8*x^2-9*x-6)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A200193 7.61167 [  $2*(x^2+3*x+1)*(2*x^2+x+1)/(x^2+x+1)/(x-1)^4$  ogf]

A200193 9.26925  $-(7+27*x+57*x^2+51*x^4+27*x^5+4*x^6+67*x^3)/(x-1)/(x^2+x+1)/(x^2+3*x+1)/(2*x^2+x+1)$  lgdogf  
A200194 4.63288  $[-2*x*(3*x^8+26*x^7+79*x^6+133*x^5+171*x^4+155*x^3+109*x^2+48*x+12)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A200205 5.41395  $[2*(3*x^6+9*x^5+26*x^4+47*x^3+31*x^2+22*x+6)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A200220 8.98001  $[-(x^4-x^3-x^2+x+1)/(x^6-x^5-x^4+4*x^3+3*x^2-1)$  ogf]  
A200249 10.3783  $[-(-2*x^2-8*x-7)/(-2*x^3-7*x^2-5*x+2)$  lgdogf]  
A200249 14.7603  $[-3*(x+2)/(2*x^2+3*x-1)$  ogf]  
A200249 19.1618  $-(7+8*x+2*x^2)/(x+2)/(2*x^2+3*x-1)$  lgdogf  
A200249 8.00255  $[{-a(n+2)+3*a(n+1)+2*a(n), a(0) = 6, a(1) = 21}]$ , ogf]  
A200250 4.28624  $[-(x+2)*(x^2+2*x+2)*(x^4+4*x^3+6*x^2+4*x+2)/(x^8+7*x^7+21*x^6+35*x^5+36*x^4+24*x^3+9*x^2+x-1)$  ogf]  
A200252 10.1071  $[-(12-28*x-7*x^2-2*x^4-2*x^5+x^6+2*x^3)/(x-1)/(x+1)/(x^5-2*x^4-x^3+3*x^2-2*x-5)$  lgdogf]  
A200252 7.46423  $[-(x^5-2*x^4-x^3+3*x^2-2*x-5)/(x+1)^2/(x-1)^4$  ogf]  
A200253 4.29715  $[-(x^{11}-2*x^{10}+3*x^8-2*x^7+13*x^6+12*x^5+21*x^4+13*x^3+21*x^2+8*x+8)/(x^2+1)^2/(x+1)^3/(x-1)^5$  ogf]  
A200258 12.8488  $[4*(x+8)/(x^2-47*x+1)$  ogf]  
A200258 17.9716  $-(x+29)*(x-13)/(x+8)/(x^2-47*x+1)$  lgdogf  
A200258 6.94132  $[{-a(n+2)+47*a(n+1)-a(n), a(0) = 32, a(1) = 1508}]$ , ogf]  
A200258 8.62707  $[-(x^2+16*x-377)/(x^3-39*x^2-375*x+8)$  lgdogf]  
A200310 8.38174  $[x*(x^5+x^4+x^3+x+1)/(x-1)/(2*x^2-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A200312 13.8151  $[(-x+(-12*x^2+1)^{1/2})*x$  revogf]  
A200312 27.6906  $(-x+(-12*x^2+1)^{1/2})*x$  revogf  
A200312 3.71944  $[{(48*n^2+192*n+180)*a(n+1)+(4*n^2+22*n+30)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 8}]$ , ogf]  
A200316 7.78582  $[(2*x^5-4*x^4+5*x^3-9*x^2+5*x-1)/(2*x^2-4*x+1)/(x-1)^3$  ogf]  
A200316 8.47230  $-2*(-1+6*x-19*x^2-x^4-16*x^5+6*x^6+28*x^3)/(x-1)/(2*x^2-4*x+1)/(2*x^5-4*x^4+5*x^3-9*x^2+5*x-1)$  lgdogf  
A200317 22.1679  $[-1+\cos(x)+x$  revogf]  
A200317 63.3814  $-1+\cos(x)+x$  revogf  
A200318 13.4829  $[-1/2*\exp(-x)-1/2*\exp(x)+x+1$  revogf]  
A200318 27.5134  $-1/2*\exp(x)-1/2*\exp(-x)+x+1$  revogf  
A200319 20.3657  $[x+1-\exp(x^2)$  revogf]  
A200319 60.1157  $x+1-\exp(x^2)$  revogf  
A200320 17.5752  $[x+1-\exp(1/2*x^2)$  revogf]  
A200320 47.5706  $x+1-\exp(1/2*x^2)$  revogf  
A200375 17.7709  $[(-x+(-8*x^2+1)^{1/2})*x$  revogf]  
A200375 36.5273  $(-x+(-8*x^2+1)^{1/2})*x$  revogf  
A200375 4.68683  $[{(-32*n^2-128*n-120)*a(n+1)+(-4*n^2-22*n-30)*a(n+2)+(n^2+7*n+12)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 6}]$ , ogf]  
A200376 11.1713  $[-(72*x^3+(-8*x^2+1)^{1/2}+9*x)/(72*x^4-17*x^2+1)$  lgdogf]  
A200376 15.7964  $(9*x-72*x^3+(-8*x^2+1)^{1/2})/(3*x-1)/(1+3*x)/(8*x^2-1)$  lgdogf  
A200380 24.3068  $[1+2*x-1/2*x^2$  lgdegf]  
A200380 4.49606  $[{(-n^2-5*n-6)*a(n+1)+(4*n+12)*a(n+2)-2*a(n+4)+2*a(n+3), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 6}]$ , ogf]  
A200380 60.5928  $1+2*x-1/2*x^2$  lgdegf  
A200407 8.31383  $[-(x-1)*(x^4+10*x^3+141*x^2+10*x+1)/(x^6-340*x^3+1)$  ogf]  
A200408 10.8058  $[-(x^3-7*x^2+13*x+1)/(x-1)/(x+1)/(x^2-3*x+1)$  ogf]  
A200408 8.74212  $-(16-14*x+15*x^2+60*x^4-14*x^5+x^6-80*x^3)/(x-1)/(x+1)/(x^2-3*x+1)/(x^3-7*x^2+13*x+1)$  lgdogf  
A200409 7.76524  $[ (x+1)*(x^4+38*x^3+533*x^2+38*x+1)/(x^6-340*x^3+1)$  ogf]  
A200431 11.0180  $[4*x*(3*x+5)/(x-1)^4$  ogf]  
A200431 15.0654  $[-(9*x+23)/(3*x^2+2*x-5)$  lgdogf]  
A200431 31.6285  $-(23+9*x)/(3*x+5)/(x-1)$  lgdogf  
A200431 4.82487  $[{(10+5*n)*a(n+3)+(-25-2*n)*a(n+2)+(-9-3*n)*a(n+1), a(0) = 0, a(1) = 20, a(2) = 92}]$ , ogf]  
A200432 10.9784  $[-(9*x^2+54*x+52)/(3*x^3+9*x^2-4*x-8)$  lgdogf]  
A200432 19.3046  $-(52+54*x+9*x^2)/(x-1)/(3*x^2+12*x+8)$  lgdogf

A200432 3.55182 [  $\{(24+8*n)*a(n+4)+(-44+4*n)*a(n+3)+(-63-9*n)*a(n+2)+(-9-3*n)*a(n+1), a(0) = 0, a(1) = 80, a(2) = 520, a(3) = 1830\}$ , ogf]  
A200432 8.32841 [  $-10*x*(3*x^2+12*x+8)/(x-1)^5$  ogf]  
A200433 10.7357  $-2*(279+799*x+452*x^2+54*x^3)/(x-1)/(36*x^3+199*x^2+240*x+53)$  lgdogf  
A200433 6.15419 [  $4*x*(36*x^3+199*x^2+240*x+53)/(x-1)^6$  ogf]  
A200433 6.92346 [  $-(108*x^3+904*x^2+1598*x+558)/(36*x^4+163*x^3+41*x^2-187*x-53)$  lgdogf]  
A200434 4.78701 [  $-2*x*(303*x^4+2784*x^3+5520*x^2+2870*x+297)/(x-1)^7$  ogf]  
A200435 3.91163 [  $2*x*(1053*x^5+15963*x^4+57919*x^3+61141*x^2+17584*x+964)/(x-1)^8$  ogf]  
A200436 3.18063 [  $-2*x*(4044*x^6+92708*x^5+536812*x^4+993850*x^3+601789*x^2+104914*x+3390)/(x-1)^9$  ogf]  
A200439 11.5891 [  $(3*x+1)*(2*x^2-x-2)/(x-1)/(x+1)$  ogf]  
A200439 12.3713  $(7+6*x-11*x^2+6*x^4)/(x-1)/(1+3*x)/(x+1)/(2*x^2-x-2)$  lgdogf  
A200439 6.88100 [  $\{-a(n+4)+a(n+2), a(0) = 2, a(1) = 7, a(2) = 3, a(3) = 1\}$ , ogf]  
A200441 13.4294 [  $-(2*x-33)/(x^2-33*x+1)$  lgdogf]  
A200441 19.7491 [  $1/(x^2-33*x+1)$  ogf]  
A200441 28.7016 [  $-(-33+2*x)/(x^2+1-33*x)$  lgdogf]  
A200441 7.99370 [  $\{-a(n+2)+33*a(n+1)-a(n), a(0) = 1, a(1) = 33\}$ , ogf]  
A200442 12.9761 [  $-(2*x-31)/(x^2-31*x+1)$  lgdogf]  
A200442 19.0825 [  $1/(x^2-31*x+1)$  ogf]  
A200442 27.7162 [  $-(-31+2*x)/(x^2+1-31*x)$  lgdogf]  
A200442 7.72387 [  $\{-a(n+2)+31*a(n+1)-a(n), a(0) = 1, a(1) = 31\}$ , ogf]  
A200455 10.1720 [  $-(6*x^3+9*x^2+16*x+5)/(3*x^4+x^3-x^2-x-2)$  lgdogf]  
A200455 13.5071 [  $-2*(3*x^2+x+2)/(x+1)/(x-1)^3$  ogf]  
A200455 17.9674 [  $-(5+16*x+9*x^2+6*x^3)/(x-1)/(x+1)/(3*x^2+x+2)$  lgdogf]  
A200456 3.76360 [  $2*(x+1)*(9*x^9+9*x^8+39*x^7+52*x^6+72*x^5+63*x^4+65*x^3+31*x^2+18*x+2)/(x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A200528 3.65642 [  $-(4*x^9-4*x^8-11*x^7+25*x^6-x^5-38*x^4+31*x^3+13*x^2-22*x+6)/(x-1)/(x+1)/(x^2+x-1)/(x^4-x^3+2*x-1)/(2*x-1)^2$  ogf]  
A200535 10.6806 [  $-(4*x^4-9*x^3+7*x^2-5*x-1)/(-x^5+2*x^4-3*x^3+3*x^2-2*x+1)$  lgdogf]  
A200535 12.0628 [  $(x^2-x+1)*(x^2+1)^2/(x-1)^2$  ogf]  
A200535 20.1693 [  $(-1-5*x+7*x^2+4*x^4-9*x^3)/(x-1)/(x^2+1)/(x^2-x+1)$  lgdogf]  
A200535 24.9205 [  $-x^5-2*x^3+x^2+3*x+1$  ogf\_with\_Euler\_transform]  
A200537 8.42689 [  $(x+1)*(x^2+1)*(4*x^2+1)*(4*x^3+1)/(2*x^2-1)^2$  ogf]  
A200541 8.62831 [  $-(-1-6*x-13*x^2+6*x^4-2*x^5-x^6+3*x^8-10*x^3+2*x^7)/(x^3+x^2-1)/(x^6-x^5+2*x^4+5*x^3+4*x^2+x-1)$  lgdogf]  
A200541 9.36285 [  $(x^3+x^2-1)/(x^6-x^5+2*x^4+5*x^3+4*x^2+x-1)$  ogf]  
A200543 10.5637 [  $-(x+1)*(x^2+2*x-1)/(x^3+x^2+3*x-1)/(x^3-x^2-x-1)$  ogf]  
A200543 9.61209 [  $-(1+18*x^2-12*x^4+6*x^6+3*x^8-12*x^3+12*x^7)/(x+1)/(x^2+2*x-1)/(x^3+x^2+3*x-1)/(x^3-x^2-x-1)$  lgdogf]  
A200544 18.0236 [  $-(-x-1)/(-x^2-x+1)$  ogf\_with\_Euler\_transform]  
A200554 5.43973 [  $2*(2*x^6+9*x^5+24*x^4+47*x^3+31*x^2+24*x+7)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A200555 3.80134 [  $-2*(4*x^9+37*x^8+205*x^7+544*x^6+912*x^5+1046*x^4+826*x^3+426*x^2+127*x+13)/(x+1)^2/(x^2+x+1)^2/(x-1)^5$  ogf]  
A200561 14.2215 [  $-(-24*x^2-4*x+1)/(-8*x^3-2*x^2+x+1)$  lgdogf]  
A200561 22.5462 [  $-2/(2*x-1)/(4*x^2+3*x+1)$  ogf]  
A200561 25.2764 [  $-(-1+4*x+24*x^2)/(2*x-1)/(4*x^2+3*x+1)$  lgdogf]  
A200561 8.25354 [  $\{-a(n+3)-a(n+2)+2*a(n+1)+8*a(n), a(0) = 2, a(1) = -2, a(2) = 6\}$ , ogf]  
A200562 11.8755 [  $-(3+12*x-12*x^2+64*x^4+32*x^3)/(2*x+1)/(2*x-1)/(4*x-1)/(4*x^2+3*x+1)$  lgdogf]  
A200562 12.1429 [  $-(-24*x^2-4*x+1)/(-8*x^3-2*x^2+x+1)$  lgdogf]  
A200562 21.3321 [  $-1/(2*x-1)/(4*x^2+3*x+1)$  ogf]  
A200562 7.04721 [  $\{-a(n+3)-a(n+2)+2*a(n+1)+8*a(n), a(0) = 1, a(1) = -1, a(2) = 6\}$ , ogf]

3}], ogf]  
A200563 14.9039 [  $-2*(4*x+1)/(2*x-1)/(4*x^2+3*x+1)$  ogf]  
A200563 15.4617  $-(3+4*x+32*x^2+64*x^3)/(4*x+1)/(2*x-1)/(4*x^2+3*x+1)$  lgdogf  
A200563 7.05272 [ $\{a(n+3)+a(n+2)-2*a(n+1)-8*a(n), a(0) = 2, a(1) = 6, a(2) = -2\}$ , ogf]  
A200563 9.40363 [ $-(-64*x^3-32*x^2-4*x-3)/(-32*x^4-16*x^3+2*x^2+5*x+1)$  lgdogf]  
A200572 7.82642 [  $-2*(x^2+x-1)*(x+1)^2/(2*x^5+3*x^4-x^3-x^2-2*x+1)$  ogf]  
A200572 7.84892  $-(3-5*x+4*x^2-6*x^4+12*x^5+10*x^6-6*x^3+2*x^7)/(x+1)/(-1+x+x^2)/(2*x^5+3*x^4-x^3-x^2-2*x+1)$  lgdogf  
A200581 6.31918 [  $-297*(x^3-123*x^2-15005*x-1)/(x^2+1364*x-1)/(x^2-1364*x-1)$  ogf]  
A200582 7.33779 [  $297*(x^3-15005*x^2+123*x+1)/(x^2+1364*x-1)/(x^2-1364*x-1)$  ogf]  
A200661 8.26569 [  $-(x^2+1)*(x^4-x^3-2*x^2+x+2)/(x-1)/(x^6-x^4-x^3-x^2+1)$  ogf]  
A200672 13.6444 [  $(x^2+x+1)/(x-1)/(2*x^3-1)$  ogf]  
A200672 13.8445  $-(2-2*x-5*x^2+4*x^4+4*x^5+4*x^3)/(x-1)/(2*x^3-1)/(x^2+x+1)$  lgdogf  
A200672 9.90843 [ $-(4*x^5+4*x^4+4*x^3-5*x^2-2*x-2)/(2*x^6-3*x^3+1)$  lgdogf]  
A200674 10.2365 [  $x*(x+1)*(2*x-1)/(x-1)/(6*x-1)/(3*x-1)$  ogf]  
A200674 5.15614 [ $\{-a(n+4)+10*a(n+3)-27*a(n+2)+18*a(n+1), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 61\}$ , ogf]  
A200674 6.56678 [ $-(36*x^4+36*x^3-101*x^2+58*x-9)/(36*x^5-36*x^4-25*x^3+35*x^2-11*x+1)$  lgdogf]  
A200674 8.23811  $-(9+58*x-101*x^2+36*x^4+36*x^3)/(x-1)/(6*x-1)/(3*x-1)/(2*x-1)/(x+1)$  lgdogf  
A200675 11.1527  $-(1+2*x+3*x^2+6*x^4+4*x^5+2*x^6+8*x^3)/(x+1)/(x^2+1)/(2*x^4-1)$  lgdogf  
A200675 12.4083 [  $-(x^2+1)*(x+1)/(2*x^4-1)$  ogf]  
A200675 8.03718 [ $\{a(n+4)-2*a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1\}$ , ogf]  
A200676 11.9407 [  $-(3*x^2-5*x+1)/(x^3-3*x^2+5*x-1)$  ogf]  
A200676 14.4358  $-x^2*(3*x-1)*(x-3)/(3*x^2-5*x+1)/(x^3-3*x^2+5*x-1)$  lgdogf  
A200676 6.62165 [ $\{a(n+3)-5*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , ogf]  
A200676 7.83205 [ $-(3*x^4-10*x^3+3*x^2)/(3*x^5-14*x^4+31*x^3-31*x^2+10*x-1)$  lgdogf]  
A200678 11.4748  $-2*(-1-x-x^2+2*x^4+2*x^5+2*x^6-3*x^3+2*x^7)/(x-1)/(x+1)/(x^2+1)/(2*x^4-1)$  lgdogf  
A200678 12.3691 [  $(x^2+1)*(x+1)/(x-1)/(2*x^4-1)$  ogf]  
A200678 8.53468 [ $-(-4*x^7-4*x^6-4*x^5-4*x^4+6*x^3+2*x^2+2*x+2)/(-2*x^8+3*x^4-1)$  lgdogf]  
A200715 12.1552 [  $-(3*x^2-x+1)/(x^3-3*x^2+x-1)$  ogf]  
A200715 17.4019  $-x^2*(3+3*x^2-2*x)/(3*x^2-x+1)/(x^3-3*x^2+x-1)$  lgdogf  
A200715 6.74059 [ $\{a(n+3)-a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , ogf]  
A200715 8.33107 [ $-(-3*x^4+2*x^3-3*x^2)/(-3*x^5+10*x^4-7*x^3+7*x^2-2*x+1)$  lgdogf]  
A200724 13.5427 [ $-(2*x-35)/(x^2-35*x+1)$  lgdogf]  
A200724 19.9158 [  $1/(x^2-35*x+1)$  ogf]  
A200724 28.9480  $-(-35+2*x)/(x^2+1-35*x)$  lgdogf  
A200724 8.06115 [ $\{-a(n+2)+35*a(n+1)-a(n), a(0) = 1, a(1) = 35\}$ , ogf]  
A200739 12.5890 [  $-(x^2-5*x+1)/(x^3-x^2+5*x-1)$  ogf]  
A200739 16.9186  $-x^2*(3+x^2-10*x)/(x^2-5*x+1)/(x^3-x^2+5*x-1)$  lgdogf  
A200739 6.98119 [ $\{a(n+3)-5*a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , ogf]  
A200739 8.34708 [ $-(x^4-10*x^3+3*x^2)/(x^5-6*x^4+11*x^3-27*x^2+10*x-1)$  lgdogf]  
A200740 13.8293  $-1/2*(x^2-2*x+1+((x-1)*(x^3+x^2+3*x-1))^{(1/2)})/(x-1)*x$  revogf  
A200740 8.25713 [ $-1/2*(x^2+(x^4+2*x^2-4*x+1))^{(1/2)}-2*x+1)/(x-1)*x$  revogf]  
A200751 33.6912 [  $1/(2*x-1)$  ogf\_with\_Euler\_transform]  
A200752 13.0675 [  $-(x^2-3*x+1)/(x^3-x^2+3*x-1)$  ogf]  
A200752 17.9588  $-x^2*(3+x^2-6*x)/(x^2-3*x+1)/(x^3-x^2+3*x-1)$  lgdogf  
A200752 7.24655 [ $\{a(n+3)-3*a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$ , ogf]  
A200752 8.95640 [ $-(x^4-6*x^3+3*x^2)/(x^5-4*x^4+7*x^3-11*x^2+6*x-1)$  lgdogf]



A200753 16.9724  $1/2*(1+x^2+((x-1)*(x^3+x^2+3*x-1))^{(1/2)})^x$  revogf  
A200753 9.28559  $[(1/2*x^2+1/2+1/2*(x^4+2*x^2-4*x+1)^{(1/2)})^x]$  revogf  
A200755 16.7075  $-1/2*(1+(1-4*x+4*x^3)^{(1/2)})^x/(x-1)/(x+1)$  revogf  
A200755 9.40251  $[-1/2*(1+(4*x^3-4*x+1)^{(1/2)})/(x^2-1)^x]$  revogf  
A200757 12.3852  $[-(-x^3+2*x^2-x)/(-x^2+x+1)]$  revogf  
A200757 34.7890  $-x*(x-1)^2/(-1-x+x^2)$  revogf  
A200759 4.21586  $[-(x^9-x^8+2*x^7-3*x^6-3*x^4+4*x^3+5*x^2-10*x+4)/(x-1)/(x^3+x^2+x-1)/(x^6-x^5+2*x^4-x^3-2*x^2+3*x-1)]$  ogf  
A200764 4.95824  $[-(x^8-2*x^7-x^6+4*x^5+4*x^4+7*x^3+8*x^2+9*x+5)/(x^2+x+1)/(x+1)^2/(x-1)^5]$  ogf  
A200781 13.9389  $[-(20*x^3-30*x^2+5)/(5*x^4-10*x^3+5*x-1)]$  lgdogf  
A200781 26.0438  $[-1/(5*x^4-10*x^3+5*x-1)]$  ogf  
A200782 13.6795  $[1/(x^3-3*x^2+1)/(x^3+3*x^2-6*x+1)]$  ogf  
A200782 7.30609  $[-(-6*x^5+60*x^3-60*x^2+6)/(-x^6+15*x^4-20*x^3+6*x-1)]$  lgdogf  
A200783 16.7875  $[-1/(x-1)/(x^6-6*x^5-6*x^4+29*x^3-6*x^2-6*x+1)]$  ogf  
A200783 9.25665  $[-(7*x^6-42*x^5+140*x^3-105*x^2+7)/(x^7-7*x^6+35*x^4-35*x^3+7*x-1)]$  lgdogf  
A200784 4.68284  $[-2*(256*x^6-864*x^5-108*x^4+2226*x^3-1512*x^2-189*x+228)/(2*x-1)/(2*x^2-2*x-1)/(2*x^4-4*x^3-6*x^2+8*x-1)]$  ogf  
A200786 13.3871  $-(75+15*x^2+x^4-6*x^3)/(x-1)/(x^4-5*x^3+10*x^2-5*x+16)$  lgdogf  
A200786 7.52050  $[-(-x^4+6*x^3-15*x^2-75)/(-x^5+6*x^4-15*x^3+15*x^2-21*x+16)]$  lgdogf  
A200786 7.59803  $[-(x^4-5*x^3+10*x^2-5*x+16)/(x-1)^5]$  ogf  
A200787 5.92180  $[-(x^5-6*x^4+15*x^3-24*x^2-24*x-32)/(x-1)^6]$  ogf  
A200787 8.74623  $[-(216-168*x-51*x^2-7*x^4+x^5+21*x^3)/(x-1)/(x^5-6*x^4+15*x^3-24*x^2-24*x-32)]$  lgdogf  
A200788 4.91110  $[-(x^6-7*x^5+21*x^4-30*x^3+126*x^2+174*x+64)/(x-1)^7]$  ogf  
A200788 6.96679  $-(622+1296*x+540*x^2+28*x^4-8*x^5+x^6-36*x^3)/(x-1)/(x^6-7*x^5+21*x^4-30*x^3+126*x^2+174*x+64)$  lgdogf  
A200789 3.99976  $[-(x^7-8*x^6+28*x^5-60*x^4-123*x^3-960*x^2-767*x-128)/(x-1)^8]$  ogf  
A200790 3.57187  $[-(x^8-9*x^7+36*x^6-79*x^5+522*x^4+3294*x^3+6484*x^2+2853*x+256)/(x-1)^9]$  ogf  
A200793 13.6680  $-(I*x-I+(x^2-1+2*x)^{(1/2)})/x^2/(x^2-1+2*x)^{(1/2)}$  lgdegf  
A200793 9.54354  $[-I/(x^2+2*x-1)^{(1/2)}*(x-1)/x^2-1/x^2]$  lgdegf  
A200833 7.59404  $[-2*(8*x^3-6*x^2+15*x-28)/(x^4-x^3+2*x^2-4*x+1)]$  ogf  
A200834 4.93262  $[-(25*x^5-20*x^4+73*x^3-62*x^2+90*x-105)/(x-1)/(x^5+3*x^3+4*x-1)]$  ogf  
A200835 4.13521  $[-2*(18*x^6-33*x^5+50*x^4-85*x^3+44*x^2-105*x+88)/(x^7-2*x^6+3*x^5-5*x^4+3*x^3-6*x^2+6*x-1)]$  ogf  
A200839 12.4739  $-(69-26*x+12*x^2+x^4-6*x^3)/(x-1)/(x^4-5*x^3+9*x^2-11*x+16)$  lgdogf  
A200839 7.28329  $[-(-x^4+6*x^3-12*x^2+26*x-69)/(-x^5+6*x^4-14*x^3+20*x^2-27*x+16)]$  lgdogf  
A200839 7.73380  $[-(x^4-5*x^3+9*x^2-11*x+16)/(x-1)^5]$  ogf  
A200840 6.03343  $[-(x^5-6*x^4+14*x^3-10*x^2+x-32)/(x-1)^6]$  ogf  
A200840 9.44778  $[-(191-15*x+2*x^2-7*x^4+x^5+18*x^3)/(x-1)/(x^5-6*x^4+14*x^3-10*x^2+x-32)]$  lgdogf  
A200841 5.08005  $[-(x^6-7*x^5+22*x^4-36*x^3-3*x^2+81*x+64)/(x-1)^7]$  ogf  
A200841 7.36071  $-(529+480*x-123*x^2+31*x^4-8*x^5+x^6-56*x^3)/(x-1)/(x^6-7*x^5+22*x^4-36*x^3-3*x^2+81*x+64)$  lgdogf  
A200842 4.38183  $[-(x^7-8*x^6+29*x^5-74*x^4+151*x^3-74*x^2-441*x-128)/(x-1)^8]$  ogf  
A200843 3.69602  $[-(x^8-9*x^7+35*x^6-77*x^5+177*x^4-679*x^3+1313*x^2+1753*x+256)/(x-1)^9]$  ogf  
A200844 5.45366  $[-(x^9-10*x^8+44*x^7-94*x^6-36*x^5+622*x^4+618*x^3-10390*x^2-6115*x-512)/(x-1)^10]$  ogf  
A200850 12.6504  $[-1/x^2+I/x^2/(2*x^2-1)^{(1/2)}]$  lgdegf  
A200850 15.9704  $(-(-1+2*x^2)^{(1/2)}+I)/x^2/(-1+2*x^2)^{(1/2)}$  lgdegf  
A200850 3.55792  $[{(2*n^2+4*n)*a(n)+(6+4*n)*a(n+1)+(-n^2-5*n-4)*a(n)}$

+2)+(-2\*n-6)\*a(n+3), a(0) = 1, a(1) = 1, a(2) = 1/2}, egf]  
A200859 13.3932  $-( -1-28*x+15*x^2+450*x^3)/(3*x-1)/(15*x-2)/(5*x-1)/(x+1)$  lgdogf  
A200859 13.8101  $[ (15*x-2)/(3*x-1)/(5*x-1)/(x+1)$  ogf]  
A200859 6.66275  $[ \{a(n+3)-7*a(n+2)+7*a(n+1)+15*a(n), a(0) = -2, a(1) = 1, a(2) = 21\},$  ogf]  
A200859 8.43949  $[ -( -450*x^3-15*x^2+28*x+1)/( -225*x^4-75*x^3+119*x^2-29*x+2)$  lgdogf]  
A200860 20.3844  $[ 682*x/(x-1)^2$  ogf]  
A200860 28.3926  $[ 2/(-x+1)$  lgdogf]  
A200860 60.7198  $[ [2]$  ogf\_with\_Euler\_transform]  
A200860 9.57823  $[ \{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 682\},$  ogf]  
A200862 10.1888  $[ -( -18*x^4+23*x^2-6*x-2)/( -18*x^5+10*x^4+13*x^3-7*x^2-2*x+1)$  lgdogf]  
A200862 15.8232  $-(3*x^2+2*x-2)*(6*x^2-4*x-1)/(-1+2*x^2)/(9*x^3-5*x^2-2*x+1)$  lgdogf  
A200862 16.6238  $[ -(2*x^2-1)/(9*x^3-5*x^2-2*x+1)$  ogf]  
A200862 8.46030  $[ \{a(n+3)-2*a(n+2)-5*a(n+1)+9*a(n), a(0) = 1, a(1) = 2, a(2) = 7\},$  ogf]  
A200864 11.3366  $[ -( -45*x^2-14*x+7)/( -15*x^3-7*x^2+7*x-1)$  lgdogf]  
A200864 18.0846  $[ 1/(3*x-1)/(5*x-1)/(x+1)$  ogf]  
A200864 19.1498  $-( -7+14*x+45*x^2)/(3*x-1)/(5*x-1)/(x+1)$  lgdogf  
A200864 6.66275  $[ \{-a(n+3)+7*a(n+2)-7*a(n+1)-15*a(n), a(0) = 1, a(1) = 7, a(2) = 42\},$  ogf]  
A200865 10.9103  $[ -(9*x^3+3*x^2+3*x+17)/(x^4+2*x-1)$  ogf]  
A200865 8.96092  $-(37+6*x+21*x^2+9*x^4+6*x^5+9*x^6+32*x^3)/(9*x^3+3*x^2+3*x+17)/(x^4+2*x-1)$  lgdogf  
A200866 7.18883  $[ -2*(8*x^4+18*x^3+6*x^2+11*x+18)/(x^5+2*x^4+x^2+2*x-1)$  ogf]  
A200867 5.61456  $[ -(25*x^6+30*x^5+10*x^4+102*x^3+47*x^2+65)/(x^7+x^6+4*x^4+x^3-x^2+3*x-1)$  ogf]  
A200868 4.25547  $[ -2*(18*x^7+57*x^6+48*x^5+67*x^4+138*x^3+50*x^2+19*x+53)/(x^8+3*x^7+2*x^6+3*x^5+7*x^4+x^3+3*x-1)$  ogf]  
A200869 3.65151  $[ -(49*x^9+105*x^8+70*x^7+310*x^6+389*x^5+93*x^4+462*x^3+266*x^2-49*x+161)/(x^10+2*x^9+x^8+6*x^7+7*x^6+9*x^4+4*x^3-3*x^2+4*x-1)$  ogf]  
A200872 13.0707  $-(37-34*x+12*x^2+x^4-6*x^3)/(x-1)/(x^4-5*x^3+9*x^2-13*x+10)$  lgdogf  
A200872 7.62834  $[ -(x^4-6*x^3+12*x^2-34*x+37)/(x^5-6*x^4+14*x^3-22*x^2+23*x-10)$  lgdogf]  
A200872 8.10020  $[ -(x^4-5*x^3+9*x^2-13*x+10)/(x-1)^5$  ogf]  
A200873 6.23947  $[ -(x^5-6*x^4+14*x^3-14*x^2+19*x-16)/(x-1)^6$  ogf]  
A200873 9.46389  $-( -77+67*x-14*x^2-7*x^4+x^5+18*x^3)/(x-1)/(x^5-6*x^4+14*x^3-14*x^2+19*x-16)$  lgdogf  
A200874 5.26802  $[ -(x^6-7*x^5+22*x^4-28*x^3+7*x^2-19*x+26)/(x-1)^7$  ogf]  
A200874 7.71958  $-(163-100*x-49*x^2+31*x^4-8*x^5+x^6-24*x^3)/(x-1)/(x^6-7*x^5+22*x^4-28*x^3+7*x^2-19*x+26)$  lgdogf  
A200875 4.63419  $[ -(x^7-8*x^6+29*x^5-70*x^4+55*x^3+40*x^2-7*x-42)/(x-1)^8$  ogf]  
A200876 3.90602  $[ -(x^8-9*x^7+35*x^6-97*x^5+237*x^4-167*x^3-177*x^2+111*x+68)/(x-1)^9$  ogf]  
A200880 6.78771  $[ -(9*x^4-6*x^3+34*x^2-15*x+22)/(x^5-x^4+4*x^3-3*x^2+3*x-1)$  ogf]  
A200881 5.00425  $[ -(16*x^6-12*x^5+93*x^4-56*x^3+146*x^2-56*x+50)/(x^7-x^6+6*x^5-5*x^4+10*x^3-6*x^2+4*x-1)$  ogf]  
A200882 3.61792  $[ -(25*x^8-20*x^7+196*x^6-135*x^5+498*x^4-270*x^3+446*x^2-150*x+95)/(x^9-x^8+8*x^7-7*x^6+21*x^5-15*x^4+20*x^3-10*x^2+5*x-1)$  ogf]  
A200887 13.0984  $-(51-18*x+12*x^2+x^4-6*x^3)/(x-1)/(x^4-5*x^3+9*x^2-9*x+12)$  lgdogf  
A200887 7.51495  $[ -( -x^4+6*x^3-12*x^2+18*x-51)/( -x^5+6*x^4-14*x^3+18*x^2-21*x+12)$  lgdogf]  
A200887 8.06292  $[ -(x^4-5*x^3+9*x^2-9*x+12)/(x-1)^5$  ogf]  
A200888 10.0174  $-( -121+3*x+4*x^2-7*x^4+x^5+24*x^3)/(x-1)/(x^5-6*x^4+16*x^3-11*x^2+5*x-21)$  lgdogf  
A200888 6.47943  $[ -(x^5-6*x^4+16*x^3-11*x^2+5*x-21)/(x-1)^6$  ogf]

A200889 5.46870 [  $-(x^6-7x^5+21x^4-54x^3+x^2+33x+37)/(x-1)^7$  ogf]  
A200889 8.02098  $-(292+200x-157x^2+28x^4-8x^5+x^6-132x^3)/(x-1)/(x^6-7x^5+21x^4-54x^3+x^2+33x+37)$  lgdogf  
A200890 4.44286 [  $-(x^7-8x^6+27x^5-48x^4+224x^3-11x^2-184x-65)/(x-1)^8$  ogf]  
A200891 3.56306 [  $-(x^8-9x^7+37x^6-47x^5-37x^4-953x^3+357x^2+665x+114)/(x-1)^9$  ogf]  
A200936 3.84308 [  $-2*(11x^8-12x^7-440x^6+492x^5+2266x^4-2868x^3+904x^2+84x+11)/(x-1)/(x^2+6x+1)/(x^2-6x+1)/(x^2+2x-1)/(x^2-2x-1)$  ogf]  
A200938 6.65311 [  $216*(13x^4-4x^3-78x^2+28x-3)/(x-1)/(x^2+2x-1)/(x^2-2x-1)$  ogf]  
A200943 4.31850 [  $(7x^{10}-13x^9-9x^8+20x^7+9x^6-15x^5-35x^4-5x^3+12x^2-5x-1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A200975 10.3618 [  $-(x^5-x^4+x+1)/(x^2+1)/(x+1)/(x-1)^3$  ogf]  
A200975 13.5069  $-(3+4x+4x^2+8x^4+x^8+4x^3)/(x-1)/(x+1)/(x^2+1)/(x^5-x^4+x+1)$  lgdogf  
A200975 9.17447 [  $-(-x^8-8x^4-4x^3-4x^2-4x-3)/(-x^9+x^8-2x^4+x+1)$  lgdogf]  
A200978 17.1771  $-12*(1+3x+x^2)/(x-1)/(3x^2+6x+1)$  lgdegf  
A200978 5.37507 [  $\{(-n^2-9n-20)*a(n+1)+(n+2)*a(n+2), a(0) = 6, a(1) = 72\}$ , ogf]  
A200978 6.80842 [  $6*(3x^2+6x+1)/(x-1)^6$  egf]  
A200978 9.14564 [  $-(12x^2+36x+12)/(3x^3+3x^2-5x-1)$  lgdegf]  
A200979 12.3158  $-20*(x+1)*(x^2+5x+1)/(x-1)/(4x^3+18x^2+12x+1)$  lgdegf  
A200979 5.12339 [  $24*(4x^3+18x^2+12x+1)/(x-1)^8$  egf]  
A200979 5.25476 [  $\{(-n^2-11n-30)*a(n+1)+(n+2)*a(n+2), a(0) = 24, a(1) = 480\}$ , ogf]  
A200979 6.98644 [  $-(20x^3+120x^2+120x+20)/(4x^4+14x^3-6x^2-11x-1)$  lgdegf]  
A200993 11.5789  $-3*(33-66x+x^2)/(x-1)/(x^2-98x+1)$  lgdogf  
A200993 14.1518 [  $-10x/(x-1)/(x^2-98x+1)$  ogf]  
A200993 5.85591 [  $\{a(n+3)-99a(n+2)+99a(n+1)-a(n), a(0) = 0, a(1) = 10, a(2) = 990\}$ , ogf]  
A200993 9.84471 [  $-(3x^2-198x+99)/(x^3-99x^2+99x-1)$  lgdogf]  
A200994 12.8632 [  $-15x/(x-1)/(x^2-98x+1)$  ogf]  
A200994 17.4089  $-3*(33-66x+x^2)/(x-1)/(x^2-98x+1)$  lgdogf  
A200994 5.27722 [  $\{a(n+3)-99a(n+2)+99a(n+1)-a(n), a(0) = 0, a(1) = 15, a(2) = 1485\}$ , ogf]  
A200994 8.94833 [  $-(3x^2-198x+99)/(x^3-99x^2+99x-1)$  lgdogf]  
A200998 11.5591 [  $-21x/(x-1)/(x^2-194x+1)$  ogf]  
A200998 12.8941  $-3*(65-130x+x^2)/(x-1)/(x^2-194x+1)$  lgdogf  
A200998 4.85676 [  $\{a(n+3)-195a(n+2)+195a(n+1)-a(n), a(0) = 0, a(1) = 21, a(2) = 4095\}$ , ogf]  
A200998 8.02714 [  $-(3x^2-390x+195)/(x^3-195x^2+195x-1)$  lgdogf]  
A200999 11.6646 [  $-28x/(x-1)/(x^2-194x+1)$  ogf]  
A200999 15.5491  $-3*(65-130x+x^2)/(x-1)/(x^2-194x+1)$  lgdogf  
A200999 4.90111 [  $\{a(n+3)-195a(n+2)+195a(n+1)-a(n), a(0) = 0, a(1) = 28, a(2) = 5460\}$ , ogf]  
A200999 8.10044 [  $-(3x^2-390x+195)/(x^3-195x^2+195x-1)$  lgdogf]  
A201003 11.3783  $-(323-646x+3x^2)/(x-1)/(x^2-322x+1)$  lgdogf  
A201003 12.7203 [  $-36x/(x-1)/(x^2-322x+1)$  ogf]  
A201003 5.30011 [  $\{a(n+3)-323a(n+2)+323a(n+1)-a(n), a(0) = 0, a(1) = 36, a(2) = 11628\}$ , ogf]  
A201003 8.83351 [  $-(3x^2-646x+323)/(x^3-323x^2+323x-1)$  lgdogf]  
A201004 12.7203 [  $-45x/(x-1)/(x^2-322x+1)$  ogf]  
A201004 5.30011 [  $\{a(n+3)-323a(n+2)+323a(n+1)-a(n), a(0) = 0, a(1) = 45, a(2) = 14535\}$ , ogf]  
A201004 8.83351 [  $-(3x^2-646x+323)/(x^3-323x^2+323x-1)$  lgdogf]  
A201008 12.0322  $-3*(161-322x+x^2)/(x-1)/(x^2-482x+1)$  lgdogf  
A201008 3.87232 [  $\{a(n+3)-483a(n+2)+483a(n+1)-a(n), a(0) = 0, a(1) = 55, a(2) = 26565\}$ , ogf]  
A201008 9.29356 [  $-55x/(x-1)/(x^2-482x+1)$  ogf]

A201040 4.44884 [  $-(x^6+x^5-9x^4-4x^3+22x^2+3x-13)/(x-1)/$   
 $(x^6+x^5-7x^4-6x^3+12x^2+9x-1)$  ogf ]  
A201043 10.9594  $-(295+452x-4x^3+x^4+126x^2)/(x-1)/(x^4-4x^3+46x^2+90x+41)$   
lgdogf  
A201043 7.18416 [  $-(x^4-4x^3+46x^2+90x+41)/(x-1)^5$  ogf ]  
A201044 5.68787 [  $-(x^5-7x^4-78x^3-602x^2-567x-99)/(x-1)^6$  ogf ]  
A201044 7.83495  $-(-1161-4039x-262x^3-9x^4+x^5-2642x^2)/(x-1)/$   
 $(x^5-7x^4-78x^3-602x^2-567x-99)$  lgdogf  
A201045 4.54867 [  $-(x^6-6x^5+253x^4+2882x^3+6341x^2+2896x+239)/(x-1)^7$  ogf ]  
A201046 3.81482 [  $-(x^7-9x^6-541x^5-13449x^4-54531x^3-54657x^2-13365x-577)/(x-1)^8$  ogf ]  
A201053 8.25219 [  $-x(259x^32+37x^28-361x^17-133x^4-19)/(x-1)/(37x^28-19)$   
ogf ]  
A201078 12.8067 [  $-(-x^2-x-2)/(-x^3+x^2-x+1)$  ogf\_with\_Euler\_transform ]  
A201081 9.13695  $-(7-2x+8x^4+2x^3+3x^6+4x^5+13x^2)/(x^4+x^3-x^2+2x-1)/$   
 $(3x^3+2x^2+x+3)$  lgdogf  
A201081 9.31699 [  $-(3x^3+2x^2+x+3)/(x^4+x^3-x^2+2x-1)$  ogf ]  
A201082 4.77125 [  $-(x+1)(3x^7+4x^6-3x^5-6x^4-x^3-4x^2-x+5)/$   
 $(x^9+2x^8-4x^6-2x^5-2x^3+x^2+3x-1)$  ogf ]  
A201089 5.65463 [  $-(x^6-2x^5+23x^4+106x^3+151x^2+100x+25)/(x+1)^2/(x-1)^5$   
ogf ]  
A201106 12.2708 [  $-(4x^2+42x+14)/(x^3+7x^2-7x-1)$  lgdogf ]  
A201106 22.8321  $-2(7+21x+2x^2)/(x-1)/(x^2+8x+1)$  lgdogf  
A201106 4.26251 [  $\{(n+3)a(n+4)+7n^2a(n+3)+(-49-7n)a(n+2)+(-4-n)a(n+1), a(0) =$   
 $0, a(1) = 1, a(2) = 14, a(3) = 70\}$ , ogf ]  
A201106 8.80300 [  $x(x^2+8x+1)/(x-1)^6$  ogf ]  
A201157 15.8544 [  $-(2x-3)/(x^2-3x+1)$  lgdogf ]  
A201157 20.5678 [  $5x/(x^2-3x+1)$  ogf ]  
A201157 9.39519 [  $\{a(n+2)-3a(n+1)+a(n), a(0) = 0, a(1) = 5\}$ , ogf ]  
A201163 11.4590 [  $-(x^4+4x^3+5x^2+1)/(-x^5-5x^4-11x^3-14x^2-9x-2)$  lgdogf ]  
A201163 13.9890 [  $(x+2)(x^3+2x^2+3x+1)/(x+1)^3$  ogf ]  
A201163 24.2743  $(1+4x^3+x^4+5x^2)/(x+2)/(x+1)/(x^3+2x^2+3x+1)$  lgdogf  
A201163 7.48021 [  $\{-a(n+5)-3a(n+4)-3a(n+3)-a(n+2), a(0) = 2, a(1) = 1, a(2) =$   
 $-2, a(3) = 5, a(4) = -9\}$ , ogf ]  
A201200 7.63198 [  $(8x-1)(2x^2-4x+1)/(22x^2-12x+1)/(2x^2+4x-1)$  ogf ]  
A201202 4.49227 [  $\{(-n^2-7n-12)a(n+1)+(-2n-7)a(n+2)-a(n+3), a(0) = 1, a(1) =$   
 $-3, a(2) = 9\}$ , ogf ]  
A201203 4.21219 [  $\{(-n^2-7n-12)a(n+1)+(-2n-9)a(n+2)-a(n+3), a(0) = 1, a(1) =$   
 $-5, a(2) = 29\}$ , ogf ]  
A201207 5.13631 [  $-(3x^5-x^4+6x^3-7x^2-2x+4)/(x^2+1)/(x^2-x-1)/(x^2+x-1)^2$   
ogf ]  
A201217 10.1379 [  $-x(630x^19-630x^18+54x^3-54x^2-1)/(x-1)^2$  ogf ]  
A201217 8.34119  $2(1+54x+27x^3+5670x^17-11025x^18+5355x^19-81x^2)/(x-1)/$   
 $(630x^19-630x^18+54x^3-54x^2-1)$  lgdogf  
A201223 12.9008  $-(x+1)(x^4+6x^3+2x^2+2x-3)/(x-1)/(x^2+2x-1)/(x^3+3x^2-x+1)$   
lgdogf  
A201225 4.78345 [  $20(x^4-346x^3+7424x^2-11254x-305)/(x-1)/(x^2-18x+1)/$   
 $(x^2-322x+1)$  ogf ]  
A201227 4.86218 [  $\{-a(n+3)+19a(n+2)-19a(n+1)+a(n), a(0) = 219375, a(1) =$   
 $4566375, a(2) = 82569375\}$ , ogf ]  
A201227 8.33517 [  $3375(7x^2-118x-65)/(x^2-18x+1)/(x-1)$  ogf ]  
A201236 12.2355  $-(-9-34x-6x^3+x^4+18x^2)/(x-1)/$   
 $(2x^5-9x^4+15x^3-9x^2-4x-1)$  lgdogf  
A201236 7.44053 [  $2x(2x^5-9x^4+15x^3-9x^2-4x-1)/(x-1)^5$  ogf ]  
A201236 7.50879 [  $-(x^4-6x^3+18x^2-34x-9)/$   
 $(2x^6-11x^5+24x^4-24x^3+5x^2+3x+1)$  lgdogf ]  
A201237 5.08321 [  $-2x^2(3x^7-15x^6+25x^5-7x^4-17x^3-15x^2+83x+3)/$   
 $(x-1)^7$  ogf ]  
A201238 3.58523 [  $x^3(8x^9-54x^8+189x^7-551x^6+1404x^5-2552x^4+2685x^3-783x^2-1798x-228)$   
 $/(x-1)^9$  ogf ]

A201243 11.1094  $[-(2*x^3-18*x-14)/(x^4-2*x^3-3*x^2+2*x+2) \text{ lgdogf}]$   
A201243 20.7996  $-2*(-7-9*x+x^3)/(x-1)/(x+1)/(x^2-2*x-2) \text{ lgdogf}$   
A201243 4.41987  $[ \{ (-13*n^2-105*n-158)*a(n+1)+(n^2-77*n-400)*a(n+2)+(12*n^2+82*n+116)*a(n+3), a(0) = 0, a(1) = 4, a(2) = 28 \}, \text{ ogf}]$   
A201243 9.03401  $[ 2*x*(x+1)*(x^2-2*x-2)/(x-1)^5 \text{ ogf}]$   
A201244 5.83520  $[ -2*x^2*(x^5+3*x^4-24*x^3+24*x^2+37*x+19)/(x-1)^7 \text{ ogf}]$   
A201244 9.98979  $-2*(85+135*x-42*x^3+7*x^4+x^5+24*x^2)/(x-1)/(x^5+3*x^4-24*x^3+24*x^2+37*x+19) \text{ lgdogf}$   
A201245 3.92362  $[ -x^2*(2*x^8-55*x^7+230*x^6-254*x^5-225*x^4+173*x^3+1380*x^2+400*x+29)/(x-1)^9 \text{ ogf}]$   
A201271 9.08366  $[ -(x^8-3*x^5+x^4+3*x^3+4*x^2+5*x+3)/(x-1)^3/(x^2+x+1)^3 \text{ ogf}]$   
A201279 12.4005  $[-(x^2+14*x+21)/(x^3+5*x^2-x-5) \text{ lgdogf}]$   
A201279 13.4169  $[ -(x+5)*(x+1)/(x-1)^3 \text{ ogf}]$   
A201279 25.1002  $-(21+14*x+x^2)/(x+5)/(x-1)/(x+1) \text{ lgdogf}$   
A201279 7.17923  $[ \{ a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 21, a(2) = 49 \}, \text{ ogf}]$   
A201347 17.0048  $-2*(2-2*x+x^3+x^2)/(x-1)/(x^4-2*x^3+4*x^2-4*x+2) \text{ lgdogf}$   
A201347 4.07663  $[ \{ -30*n*a(n)+(-19*n^2-19*n-60)*a(n+1)+(32*n^2+14*n-264)*a(n+2)+(-13*n^2+17*n+168)*a(n+3), a(0) = 2, a(1) = 4, a(2) = 8 \}, \text{ ogf}]$   
A201347 9.45036  $[-(-2*x^3-2*x^2+4*x-4)/(-x^5+3*x^4-6*x^3+8*x^2-6*x+2) \text{ lgdogf}]$   
A201347 9.78391  $[ (x^4-2*x^3+4*x^2-4*x+2)/(x-1)^4 \text{ ogf}]$   
A201348 4.67242  $[ -(2*x^8-20*x^7+59*x^6-85*x^5+62*x^4-15*x^3-10*x^2+8*x-2)/(x-1)^8 \text{ ogf}]$   
A201371 15.7991  $-(-5+2*x+8*x^3-15*x^2)/(x-1)/(4*x^3-9*x^2+5*x-2) \text{ lgdogf}$   
A201371 3.88448  $[ \{ (301*n^2+2531*n+4884)*a(n+1)+(-635*n^2-4093*n-5046)*a(n+2)+(334*n^2+1430*n+1284)*a(n+3), a(0) = 2, a(1) = 5, a(2) = 14 \}, \text{ ogf}]$   
A201371 8.88518  $[ (4*x^3-9*x^2+5*x-2)/(x-1)^5 \text{ ogf}]$   
A201371 9.31339  $[-(-8*x^3+15*x^2-2*x+5)/(-4*x^4+13*x^3-14*x^2+7*x-2) \text{ lgdogf}]$   
A201372 5.85017  $[ 2*(6*x^5-15*x^4+9*x^3-11*x^2+4*x-1)/(x-1)^7 \text{ ogf}]$   
A201372 9.31699  $-(-3+2*x-24*x^3-15*x^4+12*x^5-28*x^2)/(x-1)/(6*x^5-15*x^4+9*x^3-11*x^2+4*x-1) \text{ lgdogf}$   
A201445 4.59705  $[ -(x^{13}-x^{11}-3*x^9-x^8+2*x^7-9*x^6+2*x^5-17*x^4-7*x^3-15*x^2-2*x-6)/(x^2+1)^3/(x-1)^4/(x+1)^4 \text{ ogf}]$   
A201455 10.7136  $[-(12*x^2-16*x-3)/(12*x^3+x^2-9*x+2) \text{ lgdogf}]$   
A201455 15.9513  $[ (3*x-2)/(x+1)/(4*x-1) \text{ ogf}]$   
A201455 8.75378  $[ \{-a(n+2)+3*a(n+1)+4*a(n), a(0) = 2, a(1) = 3 \}, \text{ ogf}]$   
A201458 10.6792  $[ 1/(3*x^2+3*x+1)/(2*x^2-2*x+1)/(2*x-1)^2 \text{ ogf}]$   
A201458 10.7952  $-(-9-52*x-144*x^3+72*x^4+124*x^2)/(2*x-1)/(3*x^2-3*x+1)/(2*x^2-2*x+1) \text{ lgdogf}$   
A201458 7.05227  $[-(-72*x^4+144*x^3-124*x^2+52*x-9)/(-12*x^5+30*x^4-34*x^3+21*x^2-7*x+1) \text{ lgdogf}]$   
A201465 23.3715  $[ 3*x+2-2*\exp(x) \text{ revegf}]$   
A201465 52.5793  $2+3*x-2*\exp(x) \text{ revegf}$   
A201466 22.4004  $[ 4*x+3-3*\exp(x) \text{ revegf}]$   
A201466 50.3750  $3+4*x-3*\exp(x) \text{ revegf}$   
A201471 13.3776  $[ -(2*x^7-2*x^6-x^4+x^3-x^2+2*x-3)/(x-1)^2 \text{ ogf}]$   
A201471 13.9959  $(4+5*x^3-2*x^4+12*x^5-22*x^6+10*x^7-3*x^2)/(x-1)/(2*x^7-2*x^6-x^4+x^3-x^2+2*x-3) \text{ lgdogf}$   
A201500 9.93682  $[ -(x^7-2*x^5+x^3+2*x^2+2*x+2)/(x^2+1)/(x-1)^3/(x+1)^3 \text{ ogf}]$   
A201533 3.58827  $[ (x^{11}-5*x^{10}+9*x^9-x^8-20*x^7+19*x^6+25*x^5-76*x^4+84*x^3-52*x^2+18*x-3)/(x-1)^9 \text{ ogf}]$   
A201546 3.00894  $[ \{ (-16*n^4-176*n^3-724*n^2-1320*n-900)*a(n+1)+(8*n^3+68*n^2+190*n+172)*a(n+2)+(-n^2-5*n-6)*a(n+3), a(0) = 1, a(1) = 14, a(2) = 222 \}, \text{ egf}]$   
A201553 5.75598  $[ -(x^5-7*x^4-120*x^3-940*x^2-905*x-141)/(x-1)^6 \text{ ogf}]$   
A201553 7.88006  $-(-1751-6405*x-388*x^3-9*x^4-4120*x^2+x^5)/(x-1)/(x^5-7*x^4-120*x^3-940*x^2-905*x-141) \text{ lgdogf}$   
A201554 4.60457  $[ -(x^6-6*x^5+407*x^4+5370*x^3+11999*x^2+5384*x+393)/(x-1)^7 \text{ ogf}]$   
A201618 10.3658  $2*(-2-12*x^3+10*x^4+6*x^2-5*x^5+x^6)/(x-1)/(x^2-2*x+2)/$

$(x^4-2x^3+4x^2-4x+2)$  lgdogf  
A201618 7.52369 [  $x*(x^2-2x+2)*(x^4-2x^3+4x^2-4x+2)/(x-1)^4$  ogf]  
A201629 13.0993 [  $-(-4x^2+2x-2)/(-x^3+x^2-x+1)$  lgdogf]  
A201629 15.8180 [  $2x^2/(x-1)^2/(x^2+1)$  ogf]  
A201629 28.8091 [ [x^3-x+2] ogf\_with\_Euler\_transform]  
A201629 29.6388  $-2*(1-x+2x^2)/(x-1)/(1+x^2)$  lgdogf  
A201629 4.32141 [ { (n+3)\*a(n+1)+(-n-2)\*a(n+2)+(n+3)\*a(n+3)+(-n-2)\*a(n+4), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 4 }, ogf]  
A201630 12.0259 [  $-(-10x^2-8x-7)/(-10x^3-9x^2+3x+2)$  lgdogf]  
A201630 17.6380 [  $-(5x+2)/(x+1)/(2x-1)$  ogf]  
A201630 21.0736  $-(7+8x+10x^2)/(5x+2)/(2x-1)/(x+1)$  lgdogf  
A201630 9.67937 [ { a(n+2)-a(n+1)-2\*a(n), a(0) = 2, a(1) = 7 }, ogf]  
A201632 6.85689 [  $-(3x^4-70x^2+48x+35)/(x^2-6x+1)/(x^2+6x+1)/(x-1)$  ogf]  
A201633 7.38064 [  $(x^4+x^3-22x^2-17x-11)/(x^2-6x+1)/(x^2+6x+1)/(x-1)$  ogf]  
A201686 4.49455 [ {  $(-4n^2-20n-24)*a(n+1)+(4n^2+18n+18)*a(n+2)+(n^2+9n+16)*a(n+3)+(-n^2-7n-10)*a(n+4)$ , a(0) = -1, a(1) = -1, a(2) = 0, a(3) = 1 }, ogf]  
A201695 11.1451  $-(x+1)*(9x^3-43x^2+106x+18)/(x-1)/(9x^4-35x^3+56x^2+3x+3)$  lgdogf  
A201695 7.27274 [  $-(-9x^4+34x^3-63x^2-124x-18)/(-9x^5+44x^4-91x^3+53x^2+3)$  lgdogf]  
A201695 7.49767 [  $-(9x^4-35x^3+56x^2+3x+3)/(x-1)^5$  ogf]  
A201720 17.5906  $1/2*(-6+8x+x^3-4x^2)/(x-2)/(x-1)^2$  lgdegf  
A201720 8.79992 [  $-(-x^3+4x^2-8x+6)/(2x^3-8x^2+10x-4)$  lgdegf]  
A201722 10.6004 [  $-(-x^4+x^3+2x^2-2x+4)/(x-1)^3$  ogf]  
A201722 16.3435 [  $(-10-4x^3+x^4-5x^2)/(x-1)/(x^4+x^3+2x^2-2x+4)$  lgdogf]  
A201722 5.51508 [ { a(n+5)-3\*a(n+4)+3\*a(n+3)-a(n+2), a(0) = 4, a(1) = 10, a(2) = 20, a(3) = 35, a(4) = 56 }, ogf]  
A201722 9.60273 [  $-(-x^4-4x^3-5x^2-10)/(-x^5-x^3+4x^2-6x+4)$  lgdogf]  
A201812 15.6473  $-(-61+3x+x^3-39x^2)/(x-1)/(x^3-21x^2+15x-19)$  lgdogf  
A201812 3.84681 [ {  $(219n^2+1087n+1298)*a(n+1)+(-122n^2+840n+3754)*a(n+2)+(-97n^2-979n-2064)*a(n+3)$ , a(0) = 19, a(1) = 61, a(2) = 151 }, ogf]  
A201812 8.90134 [  $-(-x^3+39x^2-3x+61)/(-x^4+22x^3-36x^2+34x-19)$  lgdogf]  
A201812 9.56894 [  $-(-x^3-21x^2+15x-19)/(x-1)^4$  ogf]  
A201813 13.5826  $-(-221-157x+x^3-103x^2)/(x-1)/(x^3-53x^2-17x-51)$  lgdogf  
A201813 8.00312 [  $-(-x^3+103x^2+157x+221)/(-x^4+54x^3-36x^2+34x-51)$  lgdogf]  
A201813 9.00351 [  $-(-x^3-53x^2-17x-51)/(x-1)^4$  ogf]  
A201814 5.47467 [  $-(x^5-145x^4-150x^3-730x^2-155x-141)/(x-1)^6$  ogf]  
A201814 7.19646  $-(-1001-2235x-1030x^3-285x^4-3370x^2+x^5)/(x-1)/(x^5-145x^4-150x^3-730x^2-155x-141)$  lgdogf  
A201815 5.18658 [  $-(-x^5-397x^4-1782x^3-4882x^2-1787x-393)/(x-1)^6$  ogf]  
A201815 6.62094  $-(-4145-18699x-6934x^3-789x^4-24874x^2+x^5)/(x-1)/(x^5-397x^4-1782x^3-4882x^2-1787x-393)$  lgdogf  
A201837 10.1343 [  $-(-4x^3-6x^2-2x)/(-x^4-2x^3-x^2-1)$  lgdogf]  
A201837 17.7969 [  $1/(x^4+2x^3+x^2+1)$  ogf]  
A201837 22.2538  $-2x*(x+1)*(2x+1)/(1+x^2+2x^3+x^4)$  lgdogf  
A201838 11.7769 [  $x*(x+1)/(x^4+2x^3+x^2+1)$  ogf]  
A201838 15.4135 [  $-(-1+2x+8x^3+3x^4+7x^2)/(x+1)/(1+x^2+2x^3+x^4)$  lgdogf]  
A201838 5.84056 [ { a(n+4)+a(n+2)+2\*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = -1 }, ogf]  
A201864 10.4655 [  $x^3*(x+1)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A201864 12.7322  $-2*(-1-x+x^3+4x^4-2x^2+2x^5)/(x-1)/(x+1)/(x^2+x+1)/(x^2+x-1)$  lgdogf  
A201864 8.05845 [  $-(-4x^5-8x^4-2x^3+4x^2+2x+2)/(-x^6-2x^5+2x^3+2x^2-1)$  lgdogf]  
A201865 14.0951 [  $-(42x-4)/(21x^2-4x-1)$  lgdogf]  
A201865 23.4919 [  $-1/(7x+1)/(3x-1)$  ogf]  
A201865 25.9427  $-2*(-2+21x)/(7x+1)/(3x-1)$  lgdogf  
A201865 8.49105 [ { a(n+2)+4\*a(n+1)-21\*a(n), a(0) = 1, a(1) = -4 }, ogf]  
A201874 8.26314 [  $-(5+25x+30x^3+52x^4+33x^2+x^7+x^8+8x^5+7x^6)/(x-1)/(x^2+x+1)/(x^2+2x+3)/(x^4-2x^3+3x^2+1)$  lgdogf]

A201874 8.78123 [  $-(x^2+2x+3)*(x^4-2x^3+3x^2+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A201875 4.92851 [  $-(x^8-2x^7-3x^6-16x^5-20x^4-28x^3-23x^2-16x-3)/(x+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A201883 11.7653 [  $-x^2/(-4x^4+14x^3-18x^2+10x-2)$  lgdegf]  
A201883 29.9157 [  $1/2x^2/(2x-1)/(x-1)^3$  lgdegf]  
A201967 15.0190 [  $-2*(x+1)*(2x^2-2x-1)/(-3x^2+1-2x+x^4)$  lgdogf]  
A201967 16.9949 [  $1/(x^4-3x^2-2x+1)$  ogf]  
A201967 9.82520 [  $-(-4x^3+6x+2)/(-x^4+3x^2+2x-1)$  lgdogf]  
A201975 10.0775 [  $(7x^3-24x^2+14x+4)/(x-1)^4$  ogf]  
A201975 15.6235 [  $-(30-6x+7x^3-27x^2)/(x-1)/(7x^3-24x^2+14x+4)$  lgdogf]  
A201975 3.80921 [  $\{(2215n^2+12888n+16916)*a(n+1)+(-4613n^2-25631n-34340)*a(n+2)+(2398n^2+12194n+15000)*a(n+3), a(0) = 4, a(1) = 30, a(2) = 72\}$ , ogf]  
A201975 9.36616 [  $-(7x^3-27x^2-6x+30)/(7x^4-31x^3+38x^2-10x-4)$  lgdogf]  
A201976 4.87560 [  $-4*(48x^6-41x^5-69x^4+257x^3+238x^2+11x+1)/(x-1)^7$  ogf]  
A201996 14.0265 [  $-(3Ix-I+(x^2+2x-1)^{1/2})/(5x-2)/x/(x^2+2x-1)^{1/2}$  lgdegf]  
A201996 4.69214 [  $\{-5*a(n)*n+(-8n-15)*a(n+1)+(9n+21)*a(n+2)+(-2n-6)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 2\}$ , egf]  
A201996 8.48579 [  $-I/x*(-1+3x)/(x^2+2x-1)^{1/2}/(5x-2)-1/x/(5x-2)$  lgdegf]  
A202012 11.9666 [  $(x^2-x+1)/(x^3+x^2+x-1)/(x-1)$  ogf]  
A202012 9.84710 [  $-(-1-2x+4x^3-3x^4+2x^2+2x^5)/(x-1)/(x^2-x+1)/(x^3+x^2+x-1)$  lgdogf]  
A202018 11.1423 [  $-(-41x^2+78x-43)/(-41x^3+121x^2-121x+41)$  lgdogf]  
A202018 12.7092 [  $-(41x^2-80x+41)/(x-1)^3$  ogf]  
A202018 19.9456 [  $-(43-78x+41x^2)/(x-1)/(41x^2-80x+41)$  lgdogf]  
A202018 7.07296 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 41, a(1) = 43, a(2) = 47\}$ , ogf]  
A202048 4.76029 [  $-12*(12x^6-83x^5+245x^4-398x^3+380x^2-207x+53)/(x-1)^7$  ogf]  
A202049 3.89055 [  $-14*(14x^7-111x^6+384x^5-755x^4+918x^3-699x^2+316x-69)/(x-1)^8$  ogf]  
A202050 3.41696 [  $-16*(16x^8-143x^7+567x^6-1307x^5+1925x^4-1869x^3+1183x^2-457x+87)/(x-1)^9$  ogf]  
A202065 3.81659 [  $\{(4n^3+24n^2+47n+30)*a(n+1)+(4n^2+18n+20)*a(n+2)-a(n+3), a(0) = 1, a(1) = 0, a(2) = 3\}$ , ogf]  
A202066 6.27285 [  $\{(-144n^3-792n^2-1436n-858)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 35\}$ , ogf]  
A202077 5.11386 [  $-2*(x^6+12x^5+22x^4+45x^3+22x^2+12x+1)/(x+1)^4/(x-1)^5$  ogf]  
A202079 4.41618 [  $4*(x+1)*(3x^4+104x^3+390x^2+104x+3)/(x-1)^8$  ogf]  
A202079 6.90512 [  $-(131+1737x+2898x^3+443x^4+4446x^2+9x^5)/(x-1)/(x+1)/(3x^4+104x^3+390x^2+104x+3)$  lgdogf]  
A202103 1.88925 [  $x^4-x^3+x+1$  ogf\_with\_Euler\_transform]  
A202107 4.80670 [  $-2*(x^6+72x^5+603x^4+1168x^3+603x^2+72x+1)/(x-1)^9$  ogf]  
A202109 4.23728 [  $3*(x^6+54x^5+405x^4+760x^3+405x^2+54x+1)/(x-1)^{10}$  ogf]  
A202109 5.24475 [  $\{(n^3+15n^2+75n+125)*a(n+1)+(-n^3-6n^2-12n-8)*a(n+2), a(0) = 3, a(1) = 192\}$ , ogf]  
A202117 6.99101 [  $-(2x^7+2x^6+6x^5+2x^4+3x^3-2x^2-x-3)/(x^3+x-1)/(x-1)$  ogf]  
A202125 4.42038 [  $-(x^8-2x^7+19x^6+70x^5+154x^4+178x^3+151x^2+70x+19)/(x^2+x+1)^2/(x-1)^5$  ogf]  
A202141 11.7742 [  $-(-34x^2-42x-2)/(-34x^3+47x^2-18x+5)$  lgdogf]  
A202141 12.8955 [  $-(34x^2-13x+5)/(x-1)^3$  ogf]  
A202141 19.9344 [  $-2*(1+21x+17x^2)/(x-1)/(34x^2-13x+5)$  lgdogf]  
A202141 7.18955 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 5, a(1) = 2, a(2) = 25\}$ , ogf]  
A202155 12.0270 [  $18*(x+1)/(x^2-1298x+1)$  ogf]  
A202155 15.9840 [  $-(-1299+2x+x^2)/(x+1)/(x^2-1298x+1)$  lgdogf]  
A202155 6.68164 [  $\{-a(n+2)+1298a(n+1)-a(n), a(0) = 18, a(1) = 23382\}$ , ogf]  
A202156 12.1139 [  $-5*(x-1)/(x^2-1298x+1)$  ogf]  
A202156 15.8758 [  $-(1297-2x+x^2)/(x-1)/(x^2-1298x+1)$  lgdogf]

A202156 6.60760 [  $\{a(n+2)-1298*a(n+1)+a(n), a(0) = 5, a(1) = 6485\}$ , ogf]  
A202195 13.4219  $-2*(-20+25*x+3*x^3-14*x^2)/(x-1)/(6*x^3-23*x^2+32*x-18)$  lgdogf  
A202195 4.04591 [  $\{(4*n^2+32*n+48)*a(n+1)+(-n^2+13*n+50)*a(n+2)+(-3*n^2-24*n-45)*a(n+3), a(0) = 108, a(1) = 240, a(2) = 450\}$ , ogf]  
A202195 8.64987 [  $\{-(-6*x^3+28*x^2-50*x+40)/(-6*x^4+29*x^3-55*x^2+50*x-18)$  lgdogf]  
A202195 8.95880 [  $-6*(6*x^3-23*x^2+32*x-18)/(x-1)^4$  ogf]  
A202196 10.6011  $-2*(40-65*x-23*x^3+4*x^4+54*x^2)/(x-1)/(8*x^4-39*x^3+75*x^2-70*x+30)$  lgdogf  
A202196 3.97155 [  $\{(2*n^2+18*n+28)*a(n+1)+(-n^2+2*n+16)*a(n+2)+(-n^2-8*n-15)*a(n+3), a(0) = 240, a(1) = 640, a(2) = 1400\}$ , ogf]  
A202196 7.06478 [  $-8*(8*x^4-39*x^3+75*x^2-70*x+30)/(x-1)^5$  ogf]  
A202197 3.76135 [  $\{(8*n^2+80*n+128)*a(n+1)+(-5*n^2-n+46)*a(n+2)+(-3*n^2-24*n-45)*a(n+3), a(0) = 450, a(1) = 1400, a(2) = 3500\}$ , ogf]  
A202197 5.56798 [  $-10*(10*x^5-59*x^4+144*x^3-185*x^2+130*x-45)/(x-1)^6$  ogf]  
A202197 7.79398  $-2*(-70+140*x+98*x^3-34*x^4-154*x^2+5*x^5)/(x-1)/(10*x^5-59*x^4+144*x^3-185*x^2+130*x-45)$  lgdogf  
A202198 3.60808 [  $\{(10*n^2+110*n+180)*a(n+1)+(-7*n^2-8*n+44)*a(n+2)+(-3*n^2-24*n-45)*a(n+3), a(0) = 756, a(1) = 2688, a(2) = 7560\}$ , ogf]  
A202198 4.66350 [  $-12*(12*x^6-83*x^5+245*x^4-399*x^3+385*x^2-217*x+63)/(x-1)^7$  ogf]  
A202199 3.50995 [  $\{(4*n^2+48*n+80)*a(n+1)+(-3*n^2-5*n+14)*a(n+2)+(-n^2-8*n-15)*a(n+3), a(0) = 1176, a(1) = 4704, a(2) = 14700\}$ , ogf]  
A202199 3.85889 [  $-14*(14*x^7-111*x^6+384*x^5-756*x^4+924*x^3-714*x^2+336*x-84)/(x-1)^8$  ogf]  
A202200 3.35732 [  $-16*(16*x^8-143*x^7+567*x^6-1308*x^5+1932*x^4-1890*x^3+1218*x^2-492*x+108)/(x-1)^9$  ogf]  
A202200 3.37463 [  $\{(14*n^2+182*n+308)*a(n+1)+(-11*n^2-22*n+40)*a(n+2)+(-3*n^2-24*n-45)*a(n+3), a(0) = 1728, a(1) = 7680, a(2) = 26400\}$ , ogf]  
A202201 3.31236 [  $\{(16*n^2+224*n+384)*a(n+1)+(-13*n^2-29*n+38)*a(n+2)+(-3*n^2-24*n-45)*a(n+3), a(0) = 2430, a(1) = 11880, a(2) = 44550\}$ , ogf]  
A202206 10.0224 [  $-(3*x^2-6*x-2)/(3*x^3-4*x+1)$  lgdogf]  
A202206 12.4723 [  $(x-1)/(3*x^2+3*x-1)$  ogf]  
A202206 15.6775 [  $-(-2-6*x+3*x^2)/(x-1)/(3*x^2+3*x-1)$  lgdogf]  
A202206 6.84455 [  $\{-a(n+2)+3*a(n+1)+3*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A202207 12.1262 [  $(x-1)/(x^3-x^2+3*x-1)$  ogf]  
A202207 15.3538  $-2*(-1+x+x^3-2*x^2)/(x-1)/(x^3-x^2+3*x-1)$  lgdogf  
A202207 5.73829 [  $\{-a(n+3)+3*a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A202207 8.03361 [  $-(-2*x^3+4*x^2-2*x+2)/(-x^4+2*x^3-4*x^2+4*x-1)$  lgdogf]  
A202253 11.4014 [  $-(9+16*x+18*x^3+6*x^4+22*x^2+x^6)/(x-1)/(x^2+x+1)/(x^4-x^3+2*x^2+3*x+3)$  lgdogf]  
A202253 8.87168 [  $-(x^4-x^3+2*x^2+3*x+3)/(x^2+x+1)/(x-1)^3$  ogf]  
A202254 10.5327 [  $-(-31-69*x-14*x^3-5*x^4-58*x^2+x^5)/(x-1)/(x+1)/(x^4-4*x^3-2*x^2-10*x-7)$  lgdogf]  
A202254 8.22352 [  $-(x^4-4*x^3-2*x^2-10*x-7)/(x+1)/(x-1)^4$  ogf]  
A202270 4.25613 [  $(100*x^2+10*x+1)*(1000000*x^6+1000*x^3+1)/(10*x-1)/(100000000*x^9-1)$  ogf]  
A202274 13.0625 [  $(3072*x^13+18*x^6+7*x^5-1)/(2*x-1)$  ogf]  
A202274 9.58484 [  $(2-39936*x^12+73728*x^13-35*x^4-52*x^5+180*x^6)/(-1+2*x)/(3072*x^13+18*x^6+7*x^5-1)$  lgdogf]  
A202299 10.8686 [  $-(2*x-34)/(x^2-34*x+1)$  lgdogf]  
A202299 14.3007 [  $4*x/(x^2-34*x+1)$  ogf]  
A202299 23.2656 [  $-2*(-17+x)/(x^2+1-34*x)$  lgdogf]  
A202299 6.62717 [  $\{a(n+2)-34*a(n+1)+a(n), a(0) = 0, a(1) = 4\}$ , ogf]  
A202310 3.64363 [  $-(72*x^8-290*x^7-213*x^6+1184*x^5-45*x^4-1225*x^3+314*x^2+315*x-108)/(x-1)/(2*x-1)/(x+1)/(x^2-4*x+1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A202330 10.5276 [  $-(82-168*x-70*x^3+13*x^4+153*x^2)/(x-1)/(13*x^4-61*x^3+112*x^2-98*x+36)$  lgdogf]  
A202330 7.54360 [  $-(13*x^4-61*x^3+112*x^2-98*x+36)/(x-1)^5$  ogf]



A202331 5.86605 [  $-(15x^5-86x^4+203x^3-250x^2+165x-49)/(x-1)^6$  ogf]  
A202331 7.73117  $-(129+325x+265x^2-97x^3-391x^4+15x^5)/(x-1)/(15x^5-86x^4+203x^3-250x^2+165x-49)$  lgdogf  
A202332 5.26006 [  $-(17x^6-115x^5+331x^4-523x^3+485x^2-257x+64)/(x-1)^7$  ogf]  
A202333 4.47860 [  $-(19x^7-148x^6+502x^5-966x^4+1148x^3-854x^2+378x-81)/(x-1)^8$  ogf]  
A202334 3.69050 [  $-(21x^8-185x^7+722x^6-1636x^5+2366x^4-2254x^3+1400x^2-532x+100)/(x-1)^9$  ogf]  
A202337 17.3603 [  $(6x^3+x-1)/(3x-1)$  ogf]  
A202337 20.2038  $2*(1+18x^3-9x^2)/(3x-1)/(6x^3+x-1)$  lgdogf  
A202337 8.05375 [  $\{a(n+4)-3a(n+3), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 12\}$ , ogf]  
A202337 9.88878 [  $-(36x^3-18x^2+2)/(-18x^4+6x^3-3x^2+4x-1)$  lgdogf]  
A202349 13.6793 [  $-(3x^2+1)/(2x-1)/(x^2-x+1)$  ogf]  
A202349 6.75984  $-(4+24x^3-4x^4-29x^2-12x^7+3x^8+10x^5+8x^6)/(x-1)/(x+1)/(x^2-3x+1)/(x^2+x-1)/(x^3-2x^2-1)$  lgdogf  
A202349 6.96180 [  $\{a(n+3)-3a(n+2)+3a(n+1)-2a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A202349 9.17320 [  $-(6x^4+3x^2-3)/(-6x^5+9x^4-11x^3+6x^2-3x+1)$  lgdogf]  
A202391 10.0383  $-(39+72x-8x^3+x^4+6x^2)/(x-5)/(x-1)/(x+1)/(x^2-6x+1)$  lgdogf  
A202391 5.07971 [  $\{-a(n+3)+7a(n+2)-7a(n+1)+a(n), a(0) = 5, a(1) = 39, a(2) = 237\}$ , ogf]  
A202391 9.57651 [  $(x+1)*(x-5)/(x-1)/(x^2-6x+1)$  ogf]  
A202400 3.68903 [  $-(81x^7-477x^6+433x^5-2381x^4-269x^3+2401x^2-245x+441)/(x-1)/(x+1)/(x^2-6x+1)/(x^4+6x^2+1)$  ogf]  
A202410 12.4300 [  $-(3x-2)/(2x^3-5x^2+4x-1)$  lgdegf]  
A202410 27.8576  $-(2+3x)/(-1+2x)/(x-1)^2$  lgdegf  
A202410 3.26798 [  $\{(-4n^3-12n^2-8n)*a(n)+(-n^3+n^2+4n-4)*a(n+1)+(2n^2+6n+2)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = -2, a(2) = -1\}$ , ogf]  
A202414 6.45646  $-(94+154x+240x^3+194x^4+285x^2+86x^5+13x^6)/(13x^3+43x^2+26x+34)/(x^4+3x^3+x^2+2x-1)$  lgdogf  
A202414 7.72933 [  $-(13x^3+43x^2+26x+34)/(x^4+3x^3+x^2+2x-1)$  ogf]  
A202428 5.39622 [  $-6*(6x^5-11x^4-7x^3+33x^2+47x+18)/(x^6-2x^5-x^4+6x^3+7x^2+x-1)$  ogf]  
A202440 12.7599  $(-69+121x+17x^3-77x^2)/(x-1)/(2x^4-25x^3+76x^2-91x+40)$  lgdogf  
A202440 7.85256 [  $(-17x^3+77x^2-121x+69)/(2x^5-27x^4+101x^3-167x^2+131x-40)$  lgdogf]  
A202440 8.71548 [  $2*(2x^4-25x^3+76x^2-91x+40)/(x-1)^4$  ogf]  
A202441 6.94449 [  $2*(7x^5-48x^4+87x^3-13x^2-94x+69)/(x+1)/(x-1)^4$  ogf]  
A202441 8.41959  $(-113-37x-30x^3-65x^4+154x^2+27x^5)/(x-1)/(x+1)/(7x^5-48x^4+87x^3-13x^2-94x+69)$  lgdogf  
A202442 5.11682 [  $2*(15x^7-84x^6+122x^5+74x^4-285x^3+114x^2+148x-112)/(x+1)^2/(x-1)^5$  ogf]  
A202443 4.98489 [  $2*(28x^7-137x^6+176x^5+133x^4-424x^3+141x^2+220x-169)/(x+1)^2/(x-1)^5$  ogf]  
A202444 4.45009 [  $2*(46x^9-207x^8+190x^7+425x^6-842x^5-35x^4+914x^3-393x^2-308x+242)/(x+1)^3/(x-1)^6$  ogf]  
A202445 4.15263 [  $2*(71x^9-300x^8+233x^7+651x^6-1145x^5-85x^4+1259x^3-471x^2-418x+333)/(x+1)^3/(x-1)^6$  ogf]  
A202455 7.02006 [  $-(427x^4-1895x^3+3196x^2-2451x+729)/(x-1)^5$  ogf]  
A202455 8.75367  $-(1194-3412x-2082x^3+427x^4+3903x^2)/(x-1)/(427x^4-1895x^3+3196x^2-2451x+729)$  lgdogf  
A202456 5.69670 [  $-(517x^5-2838x^4+6297x^3-7106x^2+4124x-1000)/(x-1)^6$  ogf]  
A202457 4.47216 [  $-(613x^6-4003x^5+10983x^4-16277x^3+13841x^2-6482x+1331)/(x-1)^7$  ogf]  
A202458 3.96263 [ -

$(715x^7-5408x^6+17650x^5-32318x^4+36022x^3-24626x^2+9687x-1728)/(x-1)^8$  ogf]  
A202459 3.50618 [ -  
 $(823x^8-7071x^7+26730x^6-58194x^5+80058x^4-71610x^3+40992x^2-13919x+2197)/(x-1)^9$  ogf]  
A202462 7.02889 [  $(x^3-2x^2-1)/(x+1)/(x^2-3x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A202464 4.60051 [  $-(49x^5-91x^4+281x^3-841x^2-513x-265)/(x^6-2x^5+6x^4-18x^3-8x^2-4x+1)$  ogf]  
A202481 11.6608  $-(10+10x+2x^3-7x^2)/(-1+2x)/(x+1)/(x^3-2x^2+x+1)$  lgdogf  
A202481 7.16932 [  $(x+1)*(x^3-2x^2+x+1)/(2x-1)^4$  ogf]  
A202481 7.33605 [  $-(2x^3-7x^2+10x+10)/(2x^5-3x^4-x^3+5x^2-1)$  lgdogf]  
A202482 22.7176  $-x*(1+7x^2-5x)/(x-1)^3$  revogf  
A202482 8.19421 [  $-(-7x^3+5x^2-x)/(-x^3+3x^2-3x+1)$  revogf]  
A202493 5.53148 [  $(x^5-x^4-2x^3+5x^2-5x-1)/(2x-1)^5$  ogf]  
A202493 8.82761  $-3*(-5-10x-4x^3+x^4+8x^2)/(-1+2x)/(x^5-x^4-2x^3+5x^2-5x-1)$  lgdogf  
A202525 3.97774 [ -  
 $(40x^9+103x^8+13x^7-126x^6-344x^5-138x^4-43x^3+219x^2+112x+86)/(x^3-x^2-1)/(x^7+3x^6+2x^5-4x^3-x^2-x+1)$  ogf]  
A202526 4.74609 [  $-(4x^8+11x^7+97x^6+46x^5-203x^4-332x^3+48x^2+122x+198)/(x-1)/(x^3-x^2-1)/(x^3+2x^2+x-1)$  ogf]  
A202527 5.08632 [  $-(20x^7+218x^6+114x^5-432x^4-691x^3+95x^2+250x+417)/(x-1)/(x^3-x^2-1)/(x^3+2x^2+x-1)$  ogf]  
A202528 4.75513 [  $-(36x^7+448x^6+211x^5-879x^4-1372x^3+205x^2+452x+890)/(x-1)/(x^3-x^2-1)/(x^3+2x^2+x-1)$  ogf]  
A202529 4.88391 [  $-(64x^7+976x^6+510x^5-1895x^4-3063x^3+438x^2+1021x+1940)/(x-1)/(x^3-x^2-1)/(x^3+2x^2+x-1)$  ogf]  
A202530 4.60173 [  $-(116x^7+2105x^6+1173x^5-4048x^4-6705x^3+950x^2+2216x+4184)/(x-1)/(x^3-x^2-1)/(x^3+2x^2+x-1)$  ogf]  
A202531 4.66988 [  $-(211x^7+4484x^6+2511x^5-8546x^4-14248x^3+2048x^2+4537x+8994)/(x-1)/(x^3-x^2-1)/(x^3+2x^2+x-1)$  ogf]  
A202545 3.16550 [  $-(2700x^6-5320x^5+3983x^4-1484x^3+290x^2-28x+1)/(-1+15x)/(5x-1)^3/(2x-1)^3$  ogf]  
A202563 4.44534 [  $\{a(n+3)-9603a(n+2)+9603a(n+1)-a(n), a(0) = 1, a(1) = 12376, a(2) = 118837251\}$ , ogf]  
A202563 8.02631 [  $-(126x^2+2773x+1)/(x-1)/(x^2-9602x+1)$  ogf]  
A202564 5.25545 [  $\{a(n+3)-99a(n+2)+99a(n+1)-a(n), a(0) = 1, a(1) = 91, a(2) = 8901\}$ , ogf]  
A202564 5.63766 [  $-(9x^4+16x^3-1686x^2+216x-91)/(9x^5-883x^4+98x^3+882x^2-107x+1)$  lgdogf]  
A202564 9.09420  $-(-91+216x+16x^3+9x^4-1686x^2)/(x-1)/(9x-1)/(x+1)/(x^2-98x+1)$  lgdogf  
A202564 9.84354 [  $(x+1)*(9x-1)/(x-1)/(x^2-98x+1)$  ogf]  
A202565 5.25545 [  $\{-a(n+3)+99a(n+2)-99a(n+1)+a(n), a(0) = 1, a(1) = 56, a(2) = 5451\}$ , ogf]  
A202565 5.48799 [  $-(-6x^4+86x^3-3666x^2+186x-56)/(-6x^5+637x^4-4852x^3+4362x^2-142x+1)$  lgdogf]  
A202565 8.96046  $-2*(28-93x-43x^3+3x^4+1833x^2)/(x-1)/(6x^2-43x+1)/(x^2-98x+1)$  lgdogf  
A202565 9.68973 [  $-(6x^2-43x+1)/(x-1)/(x^2-98x+1)$  ogf]  
A202584 3.29154 [ -  
 $(36x^9+23x^8-210x^7-192x^6+343x^5+510x^4-102x^3-456x^2-28x+96)/(x-1)/(x^2+x-1)/(x^2-x-1)/(x^5+x^4-2x^3-4x^2-2x+1)$  ogf]  
A202594 6.44531  $-(85+316x+112x^3-65x^4+387x^2-22x^5+6x^6)/(6x^3-11x^2-43x-21)/(x^4-2x^3-7x^2-2x+1)$  lgdogf  
A202594 7.44624 [  $-6*(6x^3-11x^2-43x-21)/(x^4-2x^3-7x^2-2x+1)$  ogf]  
A202595 3.67357 [  $-10*(10x^7+x^6-179x^5+62x^4+423x^3-64x^2-213x-51)/(x^8-18x^6+8x^5+43x^4-12x^3-22x^2-2x+1)$  ogf]  
A202604 9.58302 [  $-(8x^7+4x^6+4x^5+4x^4+2x^3+x^2+1)/(2x-1)$  ogf]  
A202606 5.29312 [  $\{-a(n+3)+111a(n+2)-1110a(n+1)+1000a(n), a(0) = 1, a(1) = 2, a(2) = 67\}$ , ogf]

A202606 7.40445  $-(2-310*x-218000*x^3+955000*x^4+17985*x^2)/(x-1)/(100*x-1)/(10*x-1)/(955*x^2-109*x+1)$  lgdogf  
A202606 8.77353  $[-(955*x^2-109*x+1)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A202625 7.32653 [  
 $x*(8*x^{12}+x^{10}-32*x^9+9*x^8+48*x^6+90*x^5-3*x^4-32*x^3+63*x^2+2*x+8)/(x-1)^4/(x^2+x+1)^4$  ogf]  
A202628 6.54215  $[5*(1536*x^5+4000*x^4-1432*x^3+396*x^2-x+1)/(x-1)^2/(4*x+1)^2/(16*x-1)^2$  ogf]  
A202637 10.0638  $[(x+1)*(2*x^2+3*x+2)/(x^4-16*x^2+1)$  ogf]  
A202637 8.35257  $-(-5-74*x+8*x^3+47*x^4-86*x^2+10*x^5+2*x^6)/(x+1)/(2*x^2+3*x+2)/(x^4-16*x^2+1)$  lgdogf  
A202638 8.69550  $-(2+28*x-4*x^3+10*x^4+29*x^2+4*x^5+x^6)/(x-1)/(x^2+3*x+1)/(x^4-16*x^2+1)$  lgdogf  
A202638 9.67861  $[-(x-1)*(x^2+3*x+1)/(x^4-16*x^2+1)$  ogf]  
A202640 4.11517  $[2*(4*x^8-31*x^7-2*x^6+59*x^5+4*x^4-48*x^3-40*x^2+20*x+33)/(x-1)/(x+1)/(2*x^6-x^5-3*x^4+x^3+2*x^2+2*x-1)$  ogf]  
A202654 14.1780  $-4*(13+81*x+17*x^3+99*x^2)/(x-1)/(17*x^3+69*x^2+31*x+3)$  lgdogf  
A202654 4.05527  $[{-859*n^2-4670*n-6279}*a(n+1)+(638*n^2-2292*n-4524)*a(n+2)+(221*n^2+482*n+261)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 3]$ , ogf]  
A202654 6.78209  $[-x^2*(17*x^3+69*x^2+31*x+3)/(x-1)^7$  ogf]  
A202654 8.74137  $[-(68*x^3+396*x^2+324*x+52)/(17*x^4+52*x^3-38*x^2-28*x-3)$  lgdogf]  
A202655 4.15122  $[-x^3*(151*x^6+1022*x^5+2233*x^4+2132*x^3+1001*x^2+174*x+7)/(x+1)^2/(x-1)^9$  ogf]  
A202689 5.66919  $[{-2*n^3-13*n^2-27*n-18}*a(n+1)+2*a(n+2), a(0) = 1, a(1) = 1]$ , ogf]  
A202730 5.32493  $[{-a(n+4)+7*a(n+3)-10*a(n+2), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 14}]$ , ogf]  
A202730 8.52323  $2*(1-12*x-140*x^3+100*x^4+62*x^2)/(-1+2*x)/(5*x-1)/(20*x^3-2*x^2-5*x+1)$  lgdogf  
A202730 9.80463  $[(20*x^3-2*x^2-5*x+1)/(5*x-1)/(2*x-1)$  ogf]  
A202736 3.62248  $[{(8*n+24)*a(n+1)+(-4*n-16)*a(n+2)+(-2*n-8)*a(n+3)+(n+5)*a(n+4), a(0) = 2, a(1) = 2, a(2) = 8, a(3) = 10}]$ , ogf]  
A202752 12.0821  $-2*(2+x-12*x^3+3*x^4+13*x^2)/(x-1)/(2*x^4-8*x^3+10*x^2-3*x+1)$  lgdogf  
A202752 6.58873  $[-(2*x^4-8*x^3+10*x^2-3*x+1)/(x-1)^7$  ogf]  
A202752 7.43678  $[{-(-6*x^4+24*x^3-26*x^2-2*x-4)/(-2*x^5+10*x^4-18*x^3+13*x^2-4*x+1)}$  lgdogf]  
A202785 5.97428  $[-(x^2-2*x+7)*(x^3-4*x^2-x-2)/(x-1)^6$  ogf]  
A202785 9.75997  $-(-87-71*x+18*x^3-7*x^4-70*x^2+x^5)/(x-1)/(x^2-2*x+7)/(x^3-4*x^2-x-2)$  lgdogf  
A202789 10.7644  $-2*(x+1)*(9*x^3+3*x^2-2*x+3)/(6*x^3-2*x^2+4*x-1)/(3*x^2+2*x+1)$  lgdogf  
A202789 11.1492  $[-2*(3*x^2+2*x+1)/(6*x^3-2*x^2+4*x-1)$  ogf]  
A202789 5.96582  $[{-a(n+3)+4*a(n+2)-2*a(n+1)+6*a(n), a(0) = 2, a(1) = 12, a(2) = 50}]$ , ogf]  
A202789 6.80103  $[{-(-18*x^4-24*x^3-2*x^2-2*x-6)/(-18*x^5-6*x^4-14*x^3-3*x^2-2*x+1)}$  lgdogf]  
A202790 7.14566  $[-2*(8*x^3+20*x^2+11*x+2)/(16*x^4+29*x^3+2*x^2+7*x-1)$  ogf]  
A202796 10.5761  $[-2*(2*x^2+2*x+1)/(4*x^3+x^2+3*x-1)$  ogf]  
A202796 10.7192  $-((5+6*x+16*x^3+8*x^4+8*x^2)/(2*x^2+2*x+1)/(4*x^3+x^2+3*x-1)$  lgdogf]  
A202796 5.65916  $[{a(n+3)-3*a(n+2)-a(n+1)-4*a(n), a(0) = 2, a(1) = 10, a(2) = 36}]$ , ogf]  
A202796 6.51661  $[{-(-8*x^4-16*x^3-8*x^2-6*x-5)/(-8*x^5-10*x^4-12*x^3-5*x^2-x+1)}$  lgdogf]  
A202797 4.33648  $[-2*(8*x^7+16*x^6-7*x^5-20*x^4-5*x^2-4*x-2)/(16*x^8+22*x^7-24*x^6-25*x^5+3*x^4-19*x^3+3*x^2-7*x+1)$  ogf]  
A202803 14.1727  $[-2*x*(2*x+3)/(x-1)^3$  ogf]  
A202803 16.4866  $[-(4*x+11)/(2*x^2+x-3)$  lgdogf]  
A202803 34.6242  $-(11+4*x)/(2*x+3)/(x-1)$  lgdogf

A202803 7.21288 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 22\}$ , ogf]  
A202804 13.9796 [ $-2x^*(x+5)/(x-1)^3$  ogf]  
A202804 16.5473 [ $-(2x+16)/(x^2+4x-5)$  lgdogf]  
A202804 39.9699 [ $-2*(x+8)/(x+5)/(x-1)$  lgdogf]  
A202804 7.17539 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 10, a(2) = 32\}$ , ogf]  
A202807 5.99808 [ $(x^5-6x^4+12x^3-11x^2+x-1)/(x-1)^7$  ogf]  
A202807 9.91476 [ $-(-6-16x+24x^3-13x^4-19x^2+2x^5)/(x-1)/(x^5-6x^4+12x^3-11x^2+x-1)$  lgdogf]  
A202814 3.86123 [ $\{(-24n^2-120n-144)*a(n+1)+(4n^2+24n+36)*a(n+2)+(6n^2+42n+74)*a(n+3)+(-n^2-8n-16)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 32\}$ , ogf]  
A202824 24.9288 [ $4*(x+1)^3$  lgdegf]  
A202824 3.61661 [ $\{(n+5)*a(n+5)-4*a(n+4)-12*a(n+3)-12*a(n+2)-4*a(n+1), a(0) = 1, a(1) = 4, a(2) = 14, a(3) = 116/3, a(4) = 281/3\}$ , egf]  
A202824 76.2247 [ $4*(x+1)^3$  lgdegf]  
A202825 24.0813 [ $5*(x+1)^4$  lgdegf]  
A202825 73.6110 [ $5*(x+1)^4$  lgdegf]  
A202826 12.7404 [ $-3/(-x^4+4x^3-6x^2+4x-1)$  lgdegf]  
A202826 72.3024 [ $3/(x-1)^4$  lgdegf]  
A202827 11.0936 [ $-(x^2-5x-4)/(x^3-x^2-x+1)$  lgdegf]  
A202827 25.8520 [ $-(-4-5x+x^2)/(x+1)/(x-1)^2$  lgdegf]  
A202827 3.36487 [ $\{(n^3+7n^2+16n+12)*a(n+1)+(-n^2-10n-21)*a(n+2)+(-n-7)*a(n+3)+a(n+4), a(0) = 1, a(1) = 4, a(2) = 25, a(3) = 196\}$ , ogf]  
A202828 10.9624 [ $-(8x^2-12x-4)/(8x^3-4x^2-2x+1)$  lgdegf]  
A202828 19.4660 [ $-4*(-1-3x+2x^2)/(2x+1)/(-1+2x)^2$  lgdegf]  
A202828 3.32969 [ $\{(8n^3+56n^2+128n+96)*a(n+1)+(-4n^2-32n-60)*a(n+2)+(-2n-10)*a(n+3)+a(n+4), a(0) = 1, a(1) = 4, a(2) = 36, a(3) = 400\}$ , ogf]  
A202829 10.0947 [ $-(27x^2-21x-4)/(27x^3-9x^2-3x+1)$  lgdegf]  
A202829 18.9939 [ $-(-4-21x+27x^2)/(3x+1)/(3x-1)^2$  lgdegf]  
A202829 3.20544 [ $\{(n+4)*a(n+4)+(-13-3n)*a(n+3)+(-39-9n)*a(n+2)+(54+27n)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 49/2, a(3) = 338/3\}$ , egf]  
A202830 6.38303 [ $\{(3n+6)*a(n+1)-a(n+3)+2*a(n+2), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
A202831 17.3056 [ $-(-4-45x+125x^2)/(5x+1)/(-1+5x)^2$  lgdegf]  
A202831 3.04504 [ $\{(n+4)*a(n+4)+(-19-5n)*a(n+3)+(-95-25n)*a(n+2)+(250+125n)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 81/2, a(3) = 722/3\}$ , egf]  
A202831 9.30911 [ $-(125x^2-45x-4)/(125x^3-25x^2-5x+1)$  lgdegf]  
A202832 6.37638 [ $\{(-5n-10)*a(n+1)+a(n+3)-2*a(n+2), a(0) = 1, a(1) = 2, a(2) = 9\}$ , ogf]  
A202833 22.1939 [ $-(-9-10x+x^2)/(x+1)/(x-1)^2$  lgdegf]  
A202833 3.14921 [ $\{(-n-4)*a(n+4)+(12+n)*a(n+3)+(12+n)*a(n+2)+(-2-n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 50, a(3) = 216\}$ , egf]  
A202833 9.73832 [ $-(x^2-10x-9)/(x^3-x^2-x+1)$  lgdegf]  
A202834 6.38366 [ $\{(n+2)*a(n+1)-a(n+3)+3*a(n+2), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]  
A202835 10.6277 [ $-(8x^2-22x-9)/(8x^3-4x^2-2x+1)$  lgdegf]  
A202835 19.4068 [ $-(-9-22x+8x^2)/(2x+1)/(-1+2x)^2$  lgdegf]  
A202835 3.27392 [ $\{(n+4)*a(n+4)+(-15-2n)*a(n+3)+(-30-4n)*a(n+2)+(16+8n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 121/2, a(3) = 675/2\}$ , egf]  
A202836 18.1798 [ $-(-9-52x+64x^2)/(4x+1)/(-1+4x)^2$  lgdegf]  
A202836 3.09676 [ $\{(n+4)*a(n+4)+(-21-4n)*a(n+3)+(-84-16n)*a(n+2)+(128+64n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 169/2, a(3) = 1323/2\}$ , egf]  
A202836 9.79124 [ $-(64x^2-52x-9)/(64x^3-16x^2-4x+1)$  lgdegf]  
A202837 5.79245 [ $\{(4n+8)*a(n+1)-a(n+3)+3*a(n+2), a(0) = 1, a(1) = 3, a(2) = 13\}$ , ogf]  
A202865 14.7385 [ $-3*(x-7)*(x^2+4x+1)/(x-1)/(x^3-3x^2-15x-1)$  lgdogf]  
A202865 3.56231 [ $\{(-7n^2-67n-156)*a(n+1)+(26n^2+228n+478)*a(n+2)+(-19n^2-101n-132)*a(n+3), a(0) = 2, a(1) = 42, a(2) = 228\}$ , ogf]  
A202865 6.97772 [ $-2*(x^3-3x^2-15x-1)/(x-1)^6$  ogf]  
A202865 8.05761 [ $-(-3x^3+9x^2+81x+21)/(-x^4+4x^3+12x^2-14x-1)$  lgdogf]

A202878 2.90003 [  $\{(-n-4)*a(n+4)+(19+n)*a(n+3)+(19+n)*a(n+2)+(-2-n)*a(n+1), a(0) = 1, a(1) = 16, a(2) = 289/2, a(3) = 2888/3\}$ , egf]  
A202878 20.8094  $-(-16-17*x+x^2)/(1+x)/(x-1)^2$  lgdegf  
A202878 9.31526  $[-(x^2-17*x-16)/(x^3-x^2-x+1)$  lgdegf]  
A202879 6.32939 [  $\{(-n-2)*a(n+1)+a(n+3)-4*a(n+2), a(0) = 1, a(1) = 4, a(2) = 17\}$ , ogf]  
A202882 10.0029  $-(3+8*x^4+3*x^2+x^8+5*x^6)/(x^5-x^4+4*x^3-3*x^2+3*x-1)/(x^4+3*x^2+1)$  lgdogf  
A202882 8.56375 [  $-(x^4+3*x^2+1)/(x^5-x^4+4*x^3-3*x^2+3*x-1)$  ogf]  
A202883 6.32099 [  $-(36*x^4+51*x^3+49*x^2+17*x+3)/(36*x^5+25*x^4+46*x^3+2*x^2+6*x-1)$  ogf]  
A202900 8.92630 [  $-(4*x^3-2*x^2-1)/(4*x^4-4*x^3+4*x^2-4*x+1)$  ogf]  
A202900 9.12268  $-4*(x-1)*(2*x^2-1)*(2*x^3+1)/(4*x^3-2*x^2-1)/(4*x^4-4*x^3+4*x^2-4*x+1)$  lgdogf  
A202901 5.23033 [  $-(16*x^5-52*x^4+44*x^3+2*x^2-6*x-1)/(x-1)/(24*x^5-48*x^4+22*x^3-10*x^2+7*x-1)$  ogf]  
A202907 8.08162 [  $-(3*x+1)*(9*x^2+1)/(243*x^4-1)/(32*x^4+1)$  ogf]  
A202919 4.38875 [  $(x^6-10*x^5+30*x^4-36*x^3+35*x^2+1)/(x-1)^{10}$  ogf]  
A202919 8.11984  $-2*(5+35*x-66*x^3+65*x^4+86*x^2-22*x^5+2*x^6)/(x-1)/(x^6-10*x^5+30*x^4-36*x^3+35*x^2+1)$  lgdogf  
A202933 5.01439 [  $-(60719*x^5-320618*x^4+679679*x^3-723553*x^2+387270*x-83521)/(x-1)^6$  ogf]  
A202934 4.01390 [  $-(71809*x^6-453495*x^5+1197415*x^4-1692959*x^3+1353236*x^2-580958*x+104976)/(x-1)^7$  ogf]  
A202935 3.53116 [  $-(83919*x^7-616520*x^6+1947234*x^5-3428986*x^4+3638908*x^3-2330681*x^2+836423*x-130321)/(x-1)^8$  ogf]  
A202946 4.42314 [  $\{(27*n^2+81*n+60)*a(n+1)-a(n+2), a(0) = 3, a(1) = 18\}$ , ogf]  
A202948 3.69088 [  $\{(-27*n^2-108*n-105)*a(n+1)+a(n+2), a(0) = -3, a(1) = -72\}$ , ogf]  
A202963 13.3809 [  $-2*(4*x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A202963 17.4094  $-(3+14*x+8*x^3+11*x^2)/(x-1)/(1+x)/(4*x^2+x+1)$  lgdogf  
A202963 9.95405 [  $-(8*x^3+11*x^2+14*x+3)/(4*x^4+x^3-3*x^2-x-1)$  lgdogf]  
A202964 7.09878 [  $4*(5*x^4+5*x^3+9*x^2+4*x+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A202964 8.50044  $-(7+33*x+82*x^3+66*x^4+60*x^2+30*x^5+10*x^6)/(x-1)/(1+x+x^2)/(5*x^4+5*x^3+9*x^2+4*x+1)$  lgdogf  
A202965 4.26219 [  $-2*(55*x^9+120*x^8+384*x^7+499*x^6+666*x^5+503*x^4+368*x^3+125*x^2+39*x+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A202973 8.18567  $-(2-4*x+2*x^3+4*x^4-x^2+6*x^7+x^8+8*x^6)/(x^4+3*x^3+x-1)/(x^5+2*x^4-2*x^3+2*x^2-3*x+1)$  lgdogf  
A202973 8.44358 [  $-(x^4+3*x^3+x-1)/(x^5+2*x^4-2*x^3+2*x^2-3*x+1)$  ogf]  
A202974 3.62191 [  $-(2*x^9+8*x^8+4*x^7-10*x^6+x^5+4*x^4-16*x^3+4*x^2-2*x+1)/(2*x^10+6*x^9-2*x^8-9*x^7+8*x^6-3*x^5-14*x^4+16*x^3-11*x^2+6*x-1)$  ogf]  
A202982 4.37220 [  $-(25*x^6-29*x^5+48*x^4-52*x^3+10*x^2+1)/(25*x^7-44*x^6+84*x^5-102*x^4+60*x^3-28*x^2+9*x-1)$  ogf]  
A203016 12.0635  $-2*(1+2*x+8*x^3+4*x^4+3*x^2+x^7+3*x^5+2*x^6)/(x-1)/(1+x)/(x^2+1)/(2*x^4+x^3+x^2+x+1)$  lgdogf  
A203016 13.3786 [  $3*(2*x^4+x^3+x^2+x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A203041 4.19797 [  $-(73*x^7+313*x^6+89*x^5-490*x^4-872*x^3-313*x^2-219*x-209)/(x^8+4*x^7-7*x^5-10*x^4-x^3-2*x^2-2*x+1)$  ogf]  
A203050 3.77770 [  $-(x^{10}+9*x^8+28*x^6+35*x^4+15*x^2+1)/(x^{11}-x^{10}+10*x^9-9*x^8+36*x^7-28*x^6+56*x^5-35*x^4+35*x^3-15*x^2+6*x-1)$  ogf]  
A203073 12.4235  $-(18-14*x+156*x^3+390*x^4-137*x^2)/(5*x^2+x-1)/(78*x^3+2*x^2-19*x+1)$  lgdogf  
A203073 13.3872 [  $-4*(5*x^2+x-1)/(78*x^3+2*x^2-19*x+1)$  ogf]  
A203073 7.26084 [  $\{a(n+3)-19*a(n+2)+2*a(n+1)+78*a(n), a(0) = 4, a(1) = 72, a(2) = 1340\}$ , ogf]  
A203073 7.71873 [  $-(-390*x^4-156*x^3+137*x^2+14*x-18)/(-390*x^5-88*x^4+171*x^3+16*x^2-20*x+1)$  lgdogf]

A203084 3.53314 [ -  
(36\*x^9+53\*x^8+61\*x^7+26\*x^6+44\*x^5-90\*x^4-113\*x^3-270\*x^2-155\*x-98)/  
(x^10+x^9+x^8+x^6-3\*x^5-2\*x^4-6\*x^3-x^2-x+1) ogf]  
A203094 6.27030 [ -(x^6+5\*x^4+6\*x^2+1)/(x^7-x^6+6\*x^5-5\*x^4+10\*x^3-6\*x^2+4\*x-1)  
ogf]  
A203095 3.61809 [ -2\*(288\*x^6+472\*x^5+543\*x^4+300\*x^3+122\*x^2+22\*x+2)/  
(576\*x^7+532\*x^6+945\*x^5+270\*x^4+236\*x^3-x^2+10\*x-1) ogf]  
A203103 3.98737 [ -(5\*x^8-10\*x^7-12\*x^6-16\*x^5-6\*x^4+6\*x^3+11\*x^2+2)/  
(5\*x^9-10\*x^8-12\*x^7-17\*x^6-4\*x^5+8\*x^4+15\*x^3+2\*x^2+2\*x-1) ogf]  
A203134 4.40240 [ {a(n+3)-1155\*a(n+2)+1155\*a(n+1)-a(n), a(0) = 1, a(1) = 1540,  
a(2) = 1777555}, ogf]  
A203134 7.98721 [ -(10\*x^2+385\*x+1)/(x-1)/(x^2-1154\*x+1) ogf]  
A203135 10.2704 -2\*(-14+37\*x+7\*x^3+x^4-159\*x^2)/(x-1)/(x^2-34\*x+1)/(2\*x^2+7\*x-1)  
lgdogf  
A203135 10.6133 [ (2\*x^2+7\*x-1)/(x-1)/(x^2-34\*x+1) ogf]  
A203135 5.71485 [ {a(n+3)-35\*a(n+2)+35\*a(n+1)-a(n), a(0) = 1, a(1) = 28, a(2) =  
943}, ogf]  
A203135 6.24895 [ -(2\*x^4+14\*x^3-318\*x^2+74\*x-28)/  
(2\*x^5-63\*x^4-176\*x^3+278\*x^2-42\*x+1) lgdogf]  
A203136 10.0252 -2\*(10-33\*x-15\*x^3+x^4+229\*x^2)/(x-1)/(2\*x^2-15\*x+1)/(x^2-34\*x  
+1) lgdogf  
A203136 10.3589 [ -(2\*x^2-15\*x+1)/(x-1)/(x^2-34\*x+1) ogf]  
A203136 5.66642 [ {-a(n+3)+35\*a(n+2)-35\*a(n+1)+a(n), a(0) = 1, a(1) = 20, a(2) =  
667}, ogf]  
A203136 6.19599 [ -(-2\*x^4+30\*x^3-458\*x^2+66\*x-20)/  
(-2\*x^5+85\*x^4-596\*x^3+562\*x^2-50\*x+1) lgdogf]  
A203147 3.95509 [ {(-n^2-26\*n-169)\*a(n+1)+(2\*n+27)\*a(n+2)-a(n+3), a(0) = 1, a(1)  
= 23, a(2) = 431}, ogf]  
A203150 12.6699 [ (x^2+3\*x+1)/(2\*x^2-1)^2 ogf]  
A203150 16.0850 -(3+10\*x+4\*x^3+18\*x^2)/(x^2+3\*x+1)/(2\*x^2-1) lgdogf  
A203150 8.80712 [ -(4\*x^3+18\*x^2+10\*x+3)/(2\*x^4+6\*x^3+x^2-3\*x-1) lgdogf]  
A203157 4.96973 [ {(n^3+9\*n^2+27\*n+27)\*a(n+1)+(-2\*n-4)\*a(n+2), a(0) = 1, a(1) =  
4}, ogf]  
A203159 4.01880 [ {(-4\*n^2-24\*n-36)\*a(n+1)+(4\*n+14)\*a(n+2)-a(n+3), a(0) = 1, a(1)  
= 6, a(2) = 44}, ogf]  
A203160 8.09159 -(5+22\*x+294\*x^3+264\*x^4+84\*x^2+288\*x^5+432\*x^6)/(6\*x^3-1)/  
(36\*x^4+16\*x^3+11\*x^2+5\*x+1) lgdogf  
A203160 9.20133 [ (36\*x^4+16\*x^3+11\*x^2+5\*x+1)/(6\*x^3-1)^2 ogf]  
A203161 8.24158 -(4+22\*x+156\*x^3+264\*x^4+117\*x^2+486\*x^5+108\*x^6)/(3\*x+1)/  
(6\*x^3-1)/(3\*x^3+8\*x^2+x+1) lgdogf  
A203161 9.27623 [ (3\*x+1)\*(3\*x^3+8\*x^2+x+1)/(6\*x^3-1)^2 ogf]  
A203162 8.27467 -(3+22\*x+106\*x^3+264\*x^4+51\*x^2+90\*x^5+48\*x^6)/(6\*x^3-1)/  
(4\*x^4+5\*x^3+11\*x^2+3\*x+1) lgdogf  
A203162 9.21755 [ (4\*x^4+5\*x^3+11\*x^2+3\*x+1)/(6\*x^3-1)^2 ogf]  
A203163 6.87052 [ (36\*x^6+28\*x^5+26\*x^4+50\*x^3+11\*x^2+3\*x+1)/(24\*x^4-1)^2 ogf]  
A203164 7.03842 [ (64\*x^6+80\*x^5+176\*x^4+50\*x^3+14\*x^2+5\*x+1)/(24\*x^4-1)^2 ogf]  
A203165 6.99762 [ (144\*x^6+432\*x^5+126\*x^4+50\*x^3+19\*x^2+7\*x+1)/(24\*x^4-1)^2  
ogf]  
A203166 5.22873 [ (576\*x^8+324\*x^7+188\*x^6+154\*x^5+274\*x^4+50\*x^3+11\*x^2+3\*x+1)/  
(120\*x^5-1)^2 ogf]  
A203167 8.66720 -4\*(1+4\*x+36\*x^3+32\*x^4+15\*x^2+36\*x^5+32\*x^6)/(4\*x^3-1)/  
(16\*x^4+12\*x^3+8\*x^2+4\*x+1) lgdogf  
A203167 9.65109 [ (16\*x^4+12\*x^3+8\*x^2+4\*x+1)/(4\*x^3-1)^2 ogf]  
A203169 5.33789 [ x\*(x+1)\*(x^2+25\*x+1)/(x^2-47\*x+1)/(x^2-7\*x+1)/(x-1)^2 ogf]  
A203170 4.62098 [ x\*(x^4-39\*x^3+130\*x^2-39\*x+1)/(x^2-47\*x+1)/(x^2-7\*x+1)/(x-1)^2  
ogf]  
A203171 6.42736 [ -x\*(x^2-25\*x+1)/(x+1)/(x^2+7\*x+1)/(x^2+47\*x+1) ogf]  
A203172 5.05285 [ x\*(x^4+39\*x^3+130\*x^2+39\*x+1)/(x-1)/(x+1)/(x^2+7\*x+1)/  
(x^2+47\*x+1) ogf]  
A203175 16.1093 [ -(x^2+1)/(2\*x^3+x-1) ogf]  
A203175 19.3702 -(1+2\*x+2\*x^4+5\*x^2)/(1+x^2)/(2\*x^3+x-1) lgdogf

A203175 8.39741 [ {a(n+3)-a(n+2)-2\*a(n), a(0) = 1, a(1) = 1, a(2) = 2}, ogf]  
A203175 9.86696 [ -(2\*x^4+5\*x^2+2\*x+1)/(2\*x^5+3\*x^3-x^2+x-1) lgdogf]  
A203176 4.34148 [ (6\*x^9-18\*x^8-x^7-12\*x^6+15\*x^5+3\*x^4+7\*x^3-3\*x^2-2\*x-2)/(30\*x^9-7\*x^7-31\*x^6-x^5+5\*x^4+10\*x^3+2\*x^2-1) ogf]  
A203184 4.66114 [ -(x^2+1)\*(x^6+6\*x^4+9\*x^2+1)/(x^9-x^8+8\*x^7-7\*x^6+21\*x^5-15\*x^4+20\*x^3-10\*x^2+5\*x-1) ogf]  
A203230 12.2213 [ (x^2+4\*x+1)/(3\*x^2-1)^2 ogf]  
A203230 15.1722 -2\*(2+7\*x+3\*x^3+18\*x^2)/(1+4\*x+x^2)/(3\*x^2-1) lgdogf  
A203230 8.39294 [ -(-6\*x^3-36\*x^2-14\*x-4)/(-3\*x^4-12\*x^3-2\*x^2+4\*x+1) lgdogf]  
A203231 12.6469 [ (9\*x^2+4\*x+1)/(3\*x^2-1)^2 ogf]  
A203231 14.4288 -2\*(2+15\*x+27\*x^3+18\*x^2)/(9\*x^2+4\*x+1)/(3\*x^2-1) lgdogf  
A203231 8.48087 [ -(54\*x^3+36\*x^2+30\*x+4)/(27\*x^4+12\*x^3-6\*x^2-4\*x-1) lgdogf]  
A203232 10.7683 [ (x+1)\*(4\*x+1)/(6\*x^2-1)^2 ogf]  
A203232 13.2404 -(5+32\*x+48\*x^3+90\*x^2)/(4\*x+1)/(1+x)/(6\*x^2-1) lgdogf  
A203232 7.47447 [ -(-48\*x^3-90\*x^2-32\*x-5)/(-24\*x^4-30\*x^3-2\*x^2+5\*x+1) lgdogf]  
A203233 10.9340 [ (9\*x^2+5\*x+1)/(6\*x^2-1)^2 ogf]  
A203233 13.1682 -(6\*x+1)\*(18\*x^2+12\*x+5)/(9\*x^2+5\*x+1)/(6\*x^2-1) lgdogf  
A203233 7.50121 [ -(108\*x^3+90\*x^2+42\*x+5)/(54\*x^4+30\*x^3-3\*x^2-5\*x-1) lgdogf]  
A203234 8.42598 [ (x^6+3\*x^5+5\*x^4+7\*x^3+3\*x^2+2\*x+1)/(2\*x^4-1)^2 ogf]  
A203235 8.23850 [ (x^6+4\*x^5+7\*x^4+10\*x^3+3\*x^2+2\*x+1)/(3\*x^4-1)^2 ogf]  
A203241 15.3042 [ -2/(x-1)/(2\*x-1)/(4\*x-1) ogf]  
A203241 16.1598 -(7-28\*x+24\*x^2)/(x-1)/(-1+2\*x)/(4\*x-1) lgdogf  
A203241 5.58935 [ {a(n+3)-7\*a(n+2)+14\*a(n+1)-8\*a(n), a(0) = 2, a(1) = 14, a(2) = 70}, ogf]  
A203241 9.59366 [ -(24\*x^2-28\*x+7)/(8\*x^3-14\*x^2+7\*x-1) lgdogf]  
A203242 6.71387 [ -(4\*x^2+2\*x-3)/(4\*x-1)/(2\*x-1)^2/(x-1)^3 ogf]  
A203242 8.62008 [ -(-31+166\*x-8\*x^3+128\*x^4-228\*x^2)/(x-1)/(-1+2\*x)/(4\*x-1)/(4\*x^2+2\*x-3) lgdogf]  
A203243 13.9861 [ -3/(x-1)/(3\*x-1)/(9\*x-1) ogf]  
A203243 15.4772 [ -(13-78\*x+81\*x^2)/(x-1)/(3\*x-1)/(9\*x-1) lgdogf]  
A203243 5.21515 [ {a(n+3)-13\*a(n+2)+39\*a(n+1)-27\*a(n), a(0) = 3, a(1) = 39, a(2) = 390}, ogf]  
A203243 8.79126 [ -(81\*x^2-78\*x+13)/(27\*x^3-39\*x^2+13\*x-1) lgdogf]  
A203244 13.2002 [ -4/(x-1)/(4\*x-1)/(16\*x-1) ogf]  
A203244 13.8896 -3\*(7-56\*x+64\*x^2)/(x-1)/(4\*x-1)/(16\*x-1) lgdogf  
A203244 4.88074 [ {a(n+3)-21\*a(n+2)+84\*a(n+1)-64\*a(n), a(0) = 4, a(1) = 84, a(2) = 1428}, ogf]  
A203244 8.06678 [ -(192\*x^2-168\*x+21)/(64\*x^3-84\*x^2+21\*x-1) lgdogf]  
A203245 7.11176 [ -(x^3-x^2-3\*x-2)/(x-1)/(x+1)/(x^2-3\*x+1)/(x^2+x-1) ogf]  
A203246 13.1087 [ -(5+16\*x+8\*x^3+5\*x^4+26\*x^2)/(x-1)/(1+x)/(x^3+x^2+3\*x+1) lgdogf]  
A203246 7.41429 [ -(x^3+x^2+3\*x+1)/(x+1)^3/(x-1)^5 ogf]  
A203246 8.32048 [ -(5\*x^4+8\*x^3+26\*x^2+16\*x+5)/(x^5+x^4+2\*x^3-3\*x-1) lgdogf]  
A203280 4.24465 [ -4\*x\*(8\*x^7-8\*x^6+2\*x^5+12\*x^4-26\*x^3+19\*x^2-2\*x-1)/(2\*x^3-3\*x^2+5\*x-1)/(4\*x^6-10\*x^4+3\*x^2-1) ogf]  
A203286 10.4602 [ -(12+8\*x+4\*x^3+4\*x^4-5\*x^2-4\*x^5+x^6)/(x-1)/(1+x)/(x^5-4\*x^4+5\*x^3-4\*x+4) lgdogf]  
A203286 8.36940 [ -(x^5-4\*x^4+5\*x^3-4\*x+4)/(x+1)/(x-1)^5 ogf]  
A203287 4.30336 [ -(x^10-4\*x^9+4\*x^8+3\*x^7-6\*x^6+x^5+x^4+11\*x^3+5\*x^2+x+5)/(x^2+x+1)/(x+1)^2/(x-1)^7 ogf]  
A203292 12.7929 [ -(-6-6\*x-5\*x^3-3\*x^4+3\*x^2+x^5)/(x-1)/(1+x)/(x^4-3\*x^3+3\*x-3) lgdogf]  
A203292 9.35991 [ -(x^4-3\*x^3+3\*x-3)/(x+1)/(x-1)^4 ogf]  
A203293 4.49818 [ -(x^9-3\*x^8-x^7+4\*x^6-x^5-7\*x^4-11\*x^3-2\*x^2+2\*x-4)/(x^2+x+1)/(x+1)^2/(x-1)^6 ogf]  
A203298 6.49495 [ -(x^5-x^4-3\*x^3+3\*x^2+4\*x+2)/(x+1)^3/(x-1)^5 ogf]  
A203298 9.19943 [ -(8+30\*x+8\*x^3-12\*x^4+25\*x^2-2\*x^5+3\*x^6)/(x-1)/(1+x)/(x^5-x^4-3\*x^3+3\*x^2+4\*x+2) lgdogf]  
A203299 6.35644 [ -(x+2)\*(x^4-x^3-3\*x^2+3\*x+2)/(x+1)^3/(x-1)^5 ogf]  
A203299 8.78372 [ -(16+42\*x-24\*x^3-18\*x^4+35\*x^2+6\*x^5+3\*x^6)/(x-1)/(x+2)/(1+x)/(x^4-x^3-3\*x^2+3\*x+2) lgdogf]  
A203310 3.89474 [ {(-2\*n^3-21\*n^2-73\*n-84)\*a(n+1)+(n+5)\*a(n+2), a(0) = 2, a(1) =

15}], ogf]  
A203357 6.81557  $-(20+84*x+138*x^3+57*x^4+171*x^2+12*x^5+x^6)/(x^3+6*x^2+11*x+3)/(x^4+6*x^3+12*x^2+3*x-1)$  lgdogf  
A203357 7.74619 [  $-(x^3+6*x^2+11*x+3)/(x^4+6*x^3+12*x^2+3*x-1)$  ogf]  
A203358 5.60557 [  $-(7*x^4-20*x^3-50*x^2-36*x-5)/(7*x^5-23*x^4-54*x^3-42*x^2-5*x+1)$  ogf]  
A203365 7.67383  $-(9+24*x+24*x^3+14*x^4+36*x^2+4*x^5+x^6)/(x^4+2*x^3+5*x^2+2*x-1)/(x^3+2*x^2+5*x+2)$  lgdogf  
A203365 8.33722 [  $-(x^3+2*x^2+5*x+2)/(x^4+2*x^3+5*x^2+2*x-1)$  ogf]  
A203366 3.78502 [  $-(2*x^8-2*x^7+17*x^6-3*x^5-20*x^4-40*x^3-38*x^2-21*x-3)/(2*x^9-2*x^8+17*x^7+x^6-24*x^5-45*x^4-44*x^3-26*x^2-3*x+1)$  ogf]  
A203373 4.69685 [  $\{-a(n+3)+9*a(n+2)-15*a(n+1)+6*a(n), a(0) = 108, a(1) = 748, a(2) = 5208\}$ , ogf]  
A203373 7.36081  $-(187-762*x-672*x^3+144*x^4+1110*x^2)/(24*x^2-56*x+27)/(6*x^3-15*x^2+9*x-1)$  lgdogf  
A203373 8.41227 [  $-4*(24*x^2-56*x+27)/(6*x^3-15*x^2+9*x-1)$  ogf]  
A203374 4.71340 [  $-4*(64*x^4-376*x^3+692*x^2-443*x+81)/(8*x^5-48*x^4+92*x^3-65*x^2+16*x-1)$  ogf]  
A203400 13.3497 [  $-x^2/(x-1)/(x^3-x+1)$  ogf]  
A203400 22.1245  $-(2-2*x+4*x^3-3*x^2)/(x-1)/(x^3-x+1)$  lgdogf  
A203400 8.84418 [  $-(4*x^3-3*x^2-2*x+2)/(x^4-x^3-x^2+2*x-1)$  lgdogf]  
A203408 4.86362 [  $-(27*x^4+10633*x^3+807548*x^2+539*x+1)/(x-1)/(x^2-1442*x+1)/(x^2+1442*x+1)$  ogf]  
A203409 6.60165 [  $(3*x^4+62*x^3+382*x^2-14*x-1)/(x-1)/(x^2+38*x+1)/(x^2-38*x+1)$  ogf]  
A203410 6.57415 [  $-(3*x^4+49*x^3-604*x^2+11*x+1)/(x-1)/(x^2+38*x+1)/(x^2-38*x+1)$  ogf]  
A203446 6.80181 [  $-2*(6*x^4-11*x^3-4*x^2+15*x-8)/(x+1)/(2*x-1)/(x-1)^3$  ogf]  
A203446 6.87709  $-(17-22*x+66*x^3-33*x^4-32*x^2-20*x^5+12*x^6)/(x-1)/(-1+2*x)/(1+x)/(6*x^4-11*x^3-4*x^2+15*x-8)$  lgdogf  
A203462 7.36964 [  $-(x^{12}-x^{11}+x^9-x^7+5*x^5-2*x^4-2*x^3-x^2+33*x-34)/(x-1)^2$  ogf]  
A203464 10.5365 [  $(4*x^4+5*x^3+47*x^2+5*x+4)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A203464 8.14110  $-(9+103*x+93*x^3+76*x^4+71*x^2+4*x^7+150*x^5+14*x^6)/(x-1)/(1+x)/(x^2+1)/(4*x^4+5*x^3+47*x^2+5*x+4)$  lgdogf  
A203473 4.20215 [  $\{(4*n^2+42*n+110)*a(n+1)+(-n-8)*a(n+2), a(0) = 7, a(1) = 72\}$ , ogf]  
A203473 7.00907  $3*I*(768*I*x^2-330*I*x+35*I+35*(-1+4*x)^{(3/2)})/(-1+4*x)/(144*x-35)/x$  lgdegf  
A203536 7.31262  $-(1+4*x-12*x^3+14*x^2+4*x^7+3*x^8-4*x^5+6*x^6)/(x^3+x^2+x-1)/(x^3+x^2+3*x-1)/(x^3-x^2-x-1)$  lgdogf  
A203536 7.50461 [  $-4*x*(x^3+x^2+x-1)/(x^3+x^2+3*x-1)/(x^3-x^2-x-1)$  ogf]  
A203551 10.1571 [  $x*(x^2+2*x+2)/(x-1)^4$  ogf]  
A203551 12.1552 [  $-(2*x^2+8*x+10)/(x^3+x^2-2)$  lgdogf]  
A203551 22.8249  $-2*(5+4*x+x^2)/(x-1)/(x^2+2*x+2)$  lgdogf  
A203551 4.07398 [  $\{(6+2*n)*a(n+4)-10*a(n+3)+(-9-n)*a(n+2)+(-n-2)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 10, a(3) = 29\}$ , ogf]  
A203552 10.0055 [  $x*(2*x^2+2*x+1)/(x-1)^4$  ogf]  
A203552 12.8140 [  $-(4*x^2+10*x+6)/(2*x^3-x-1)$  lgdogf]  
A203552 19.9814  $-2*(2*x+3)*(1+x)/(x-1)/(2*x^2+2*x+1)$  lgdogf  
A203552 4.03535 [  $\{(-3-n)*a(n+4)+(4-n)*a(n+3)+10*a(n+2)+(4+2*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 20\}$ , ogf]  
A203570 7.67713 [  $(4*x^3+12*x^2-13*x+4)/(x+1)/(x^2-3*x+1)^2$  ogf]  
A203570 8.73171  $-(4*x^2-2*x-1)*(2*x^3+11*x^2-9*x+7)/(1+x)/(x^2-3*x+1)/(4*x^3+12*x^2-13*x+4)$  lgdogf  
A203571 4.89805 [  $-x*(x^8+2*x^7+3*x^6+4*x^5+4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A203572 4.18428 [  $-x*(x^{10}+2*x^9+3*x^8+4*x^7+5*x^6+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A203573 11.1630  $-(13+27*x+25*x^3+x^4-36*x^2)/(x^2-3*x+1)/(x^3+11*x^2-11*x+4)$  lgdogf



A203573 6.73762  $[-(x^4+25x^3-36x^2+27x-13)/(x^5+8x^4-43x^3+48x^2-23x+4)$   
lgdogf]  
A203573 8.67469  $[(x^3+11x^2-11x+4)/(x^2-3x+1)^2$  ogf]  
A203574 14.1863  $-(11-17x+6x^2+3x^3)/(3x-2)/(1+x)/(x^2-3x+1)$  lgdogf  
A203574 8.46311  $[-(6x^3+3x^2-17x+11)/(3x^4-8x^3-2x^2+7x-2)$  lgdogf]  
A203574 9.91393  $[-(x+1)(3x-2)/(x^2-3x+1)^2$  ogf]  
A203575 3.98851  $[x^*(7x^{10}-10x^9+2x^8+3x^7+3x^6-5x^5+x^4+5x^3-2x^2+3x$   
 $+1)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf]  
A203579 11.8478  $-(2+2x+32x^3+12x^4-23x^2)/(x-1)/(4x^2+2x-1)/(3x^2+4x-2)$   
lgdogf]  
A203579 12.4548  $[-(3x^2+4x-2)/(x-1)/(4x^2+2x-1)$  ogf]  
A203579 6.78341  $[{a(n+3)-3a(n+2)-2a(n+1)+4a(n), a(0) = 2, a(1) = 2, a(2) =$   
 $7},$  ogf]  
A203579 7.37614  $[-(-12x^4-32x^3+23x^2-2x-2)/$   
 $(-12x^5-10x^4+25x^3+5x^2-10x+2)$  lgdogf]  
A203591 9.34926  $[(11000x^3+10100x^2+10010x+10001)/(x-1)^2/(x+1)^2/(x^2+1)^2$   
ogf]  
A203625 4.99691  $[{a(n+3)-195a(n+2)+195a(n+1)-a(n), a(0) = 1, a(1) = 135, a(2)$   
 $= 26125},$  ogf]  
A203625 8.32037  $-(-135+400x+120x^3+5x^4-12678x^2)/(x-1)/(5x^2+60x-1)/$   
 $(x^2-194x+1)$  lgdogf]  
A203625 9.23671  $[(5x^2+60x-1)/(x-1)/(x^2-194x+1)$  ogf]  
A203626 4.97528  $[{-a(n+3)+195a(n+2)-195a(n+1)+a(n), a(0) = 1, a(1) = 117, a(2)$   
 $= 22625},$  ogf]  
A203626 8.40039  $-((117-380x-156x^3+5x^4+14238x^2)/(x-1)/(5x^2-78x+1)/$   
 $(x^2-194x+1)$  lgdogf]  
A203626 9.19673  $[-(5x^2-78x+1)/(x-1)/(x^2-194x+1)$  ogf]  
A203628 4.32334  $[{a(n+3)-899a(n+2)+899a(n+1)-a(n), a(0) = 1, a(1) = 589, a(2)$   
 $= 528601},$  ogf]  
A203628 7.82016  $[(11x^2+310x-1)/(x-1)/(x^2-898x+1)$  ogf]  
A203629 4.32334  $[{-a(n+3)+899a(n+2)-899a(n+1)+a(n), a(0) = 1, a(1) = 551, a(2)$   
 $= 494461},$  ogf]  
A203629 7.82016  $[-(11x^2-348x+1)/(x-1)/(x^2-898x+1)$  ogf]  
A203648 5.52761  $[{(n+5)a(n+1)+(-n-2)a(n+4), a(0) = 1, a(1) = 2, a(2) = 9, a(3)$   
 $= 4},$  ogf]  
A203648 8.75141  $-2*(1+9x+7x^3+18x^4+6x^2+3x^5+x^6)/(x-1)/(1+x+x^2)/$   
 $(x^4+2x^3+9x^2+2x+1)$  lgdogf]  
A203648 9.69225  $[(x^4+2x^3+9x^2+2x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A203650 10.1281  $[-(140x+81)/(28x^2+17x-1)$  ogf]  
A203650 5.75460  $[{a(n+2)-17a(n+1)-28a(n), a(0) = 81, a(1) = 1517},$  ogf]  
A203650 6.10126  $[-(-3920x^2-4536x-1517)/(-3920x^3-4648x^2-1237x+81)$  lgdogf]  
A203650 9.91146  $-(1517+4536x+3920x^2)/(140x+81)/(28x^2+17x-1)$  lgdogf]  
A203651 4.32971  $[{-a(n+3)+45a(n+2)-204a(n+1)+96a(n), a(0) = 729, a(1) =$   
 $28057, a(2) = 1116249},$  ogf]  
A203651 7.59182  $[-(2400x^2-4748x+729)/(96x^3-204x^2+45x-1)$  ogf]  
A203719 4.93239  $[-$   
 $x^3(x^9+9x^8+64x^7+16x^6+118x^5+118x^4+64x^3+16x^2+9x+1)/(x-1)/(x+1)/$   
 $(x^2+1)/(x^4+18x^2+1)/(x^2+4x-1)/(x^2-4x-1)$  ogf]  
A203721 4.28266  $[-(9x^8-6x^7-55x^6+61x^5+89x^4-143x^3+79x-32)/(x^3-$   
 $x^2-2x+1)/(x^2+x-1)^2/(x-1)^2$  ogf]  
A203729 5.40277  $[{a(n+2)-29a(n+1)-238a(n), a(0) = 14400, a(1) = 539456},$  ogf]  
A203729 5.52022  $[-(-453152x^2-107100x-8429)/(-453152x^3-108766x^2-4621x$   
 $+225)$  lgdogf]  
A203729 8.72983  $-(8429+107100x+453152x^2)/(1904x+225)/(238x^2+29x-1)$  lgdogf]  
A203729 8.90982  $[-64*(1904x+225)/(238x^2+29x-1)$  ogf]  
A203730 3.28408  $[{-a(n+3)+99a(n+2)-609a(n+1)-588a(n), a(0) = 216000, a(1) =$   
 $19071424, a(2) = 1754118528},$  ogf]  
A203730 5.46028  $[-64*(37632x^2+36134x-3375)/(588x^3+609x^2-99x+1)$  ogf]  
A203776 10.8871  $[-(x^8-x^7+x^5+x^3-x+1)/(x^{10}-1)$  ogf\_with\_Euler\_transform]  
A203777 11.5793  $[-(71x^2+110x+71)/(71x^3+55x^2-71x-55)$  lgdogf]  
A203777 12.2605  $[{a(n+2)-a(n), a(0) = 220, a(1) = 284},$  ogf]

A203777 18.5269  $[-4*(71*x+55)/(x-1)/(x+1) \text{ ogf}]$   
A203777 20.4477  $-(71+110*x+71*x^2)/(71*x+55)/(x-1)/(1+x) \text{ lgdogf}$   
A203789 10.4910  $[{a(n+1)-7*a(n), a(0) = 112}, \text{ ogf}]$   
A203789 20.2326  $[7/(-7*x+1) \text{ lgdogf}]$   
A203789 20.9820  $[-112/(7*x-1) \text{ ogf}]$   
A203789 50.4501  $-7/(-1+7*x) \text{ lgdogf}$   
A203790 10.1823  $[-16*(24*x+49)/(6*x^2+13*x-1) \text{ ogf}]$   
A203790 11.0729  $-(661+588*x+144*x^2)/(24*x+49)/(6*x^2+13*x-1) \text{ lgdogf}$   
A203790 5.72037  $[{a(n+2)-13*a(n+1)-6*a(n), a(0) = 784, a(1) = 10576}, \text{ ogf}]$   
A203790 6.61186  $[{-(-144*x^2-588*x-661)/(-144*x^3-606*x^2-613*x+49) \text{ lgdogf}]$   
A203791 4.18189  $[{-a(n+3)+31*a(n+2)-117*a(n+1)+72*a(n), a(0) = 5488, a(1) = 142192, a(2) = 3784288}, \text{ ogf}]$   
A203791 7.15324  $[-16*(1152*x^2-1746*x+343)/(72*x^3-117*x^2+31*x-1) \text{ ogf}]$   
A203803 17.1593  $-(-1-24*x+8*x^3+23*x^2)/(x^2+4*x-1)/(x^2-x-1) \text{ lgdogf}$   
A203803 9.34764  $[1/(x^2+4*x-1)/(x^2-x-1)^3 \text{ ogf}]$   
A203803 9.57563  $[{-(-8*x^3-23*x^2+24*x+1)/(-x^4-3*x^3+6*x^2+3*x-1) \text{ lgdogf}]$   
A203804 12.3364  $-((1+76*x-79*x^3+16*x^4-164*x^2)/(x-1)/(x^2+3*x+1)/(x^2-7*x+1) \text{ lgdogf})$   
A203804 7.42777  $[{-(-16*x^4+79*x^3+164*x^2-76*x-1)/(-x^5+5*x^4+15*x^3-15*x^2-5*x+1) \text{ lgdogf}]$   
A203805 8.79266  $-((1+235*x-1045*x^3+255*x^4-960*x^2+32*x^5)/(x^2+x-1)/(x^2+11*x-1)/(x^2-4*x-1) \text{ lgdogf})$   
A203806 7.22450  $-((-1-716*x+11155*x^3-5940*x^4+5485*x^2-831*x^5+64*x^6)/(1+x)/(x^2+7*x+1)/(x^2-3*x+1)/(x^2-18*x+1) \text{ lgdogf})$   
A203819 10.1786  $[{a(n+1)-9*a(n), a(0) = 144}, \text{ ogf}]$   
A203819 19.6301  $[9/(-9*x+1) \text{ lgdogf}]$   
A203819 20.3571  $[-144/(9*x-1) \text{ ogf}]$   
A203819 48.9373  $-9/(-1+9*x) \text{ lgdogf}$   
A203820 16.6261  $[21/(-21*x+1) \text{ lgdogf}]$   
A203820 17.1994  $[-1296/(21*x-1) \text{ ogf}]$   
A203820 37.5559  $-21/(-1+21*x) \text{ lgdogf}$   
A203820 8.90682  $[{a(n+1)-21*a(n), a(0) = 1296}, \text{ ogf}]$   
A203821 14.9923  $[-11664/(49*x-1) \text{ ogf}]$   
A203821 33.8330  $-49/(-1+49*x) \text{ lgdogf}$   
A203821 7.89068  $[{a(n+1)-49*a(n), a(0) = 11664}, \text{ ogf}]$   
A203822 2.74458  $[{-a(n+4)+117*a(n+3)-34398*a(n+1)+86436*a(n), a(0) = 104976, a(1) = 12002256, a(2) = 1372257936, a(3) = 157025515248}, \text{ ogf}]$   
A203822 4.42331  $[-11664*(7056*x^3-2744*x^2-24*x+9)/(294*x^2-117*x+1)/(294*x^2-1) \text{ ogf}]$   
A203829 11.6280  $[-9*(6*x-25)/(2*x^2-9*x+1) \text{ ogf}]$   
A203829 13.0193  $-((219-100*x+12*x^2)/(6*x-25)/(2*x^2-9*x+1) \text{ lgdogf})$   
A203829 6.41543  $[{a(n+2)-9*a(n+1)+2*a(n), a(0) = 225, a(1) = 1971}, \text{ ogf}]$   
A203829 7.44189  $[{-(-12*x^2+100*x-219)/(-12*x^3+104*x^2-231*x+25) \text{ lgdogf}]$   
A203830 4.20068  $[{-a(n+3)+19*a(n+2)-54*a(n+1)+32*a(n), a(0) = 1125, a(1) = 17289, a(2) = 270333}, \text{ ogf}]$   
A203830 7.30803  $[-9*(288*x^2-454*x+125)/(32*x^3-54*x^2+19*x-1) \text{ ogf}]$   
A203837 11.6742  $[{-x^2*(x-1)*(x+1)*(3*x^2-1)/(3*x^5-5*x^4-4*x^3+5*x^2+x-1) \text{ ogf}]$   
A203852 23.3740  $[-\ln(1-x) \text{ lgdegf}]$   
A203852 89.3827  $-\ln(1-x) \text{ lgdegf}$   
A203872 10.5006  $[-5*(15*x-11)/(21*x-1)/(x-1) \text{ ogf}]$   
A203872 11.1933  $-((227-462*x+315*x^2)/(15*x-11)/(x-1)/(21*x-1) \text{ lgdogf})$   
A203872 5.84693  $[{a(n+2)-22*a(n+1)+21*a(n), a(0) = 55, a(1) = 1135}, \text{ ogf}]$   
A203872 6.68221  $[{-(-315*x^2+462*x-227)/(-315*x^3+561*x^2-257*x+11) \text{ lgdogf}]$   
A203873 5.38640  $[{-(-26215*x^2+47726*x-23815)/(-26215*x^3+50613*x^2-24885*x+487) \text{ lgdogf}]$   
A203873 5.38640  $[{a(n+2)-50*a(n+1)+49*a(n), a(0) = 487, a(1) = 23815}, \text{ ogf}]$   
A203873 8.95313  $-((23815-47726*x+26215*x^2)/(x-1)/(535*x-487)/(49*x-1) \text{ lgdogf})$   
A203873 9.50541  $[-(535*x-487)/(49*x-1)/(x-1) \text{ ogf}]$   
A203880 16.6996  $[13/(-13*x+1) \text{ lgdogf}]$   
A203880 17.8925  $[-637/(13*x-1) \text{ ogf}]$   
A203880 37.7044  $-13/(-1+13*x) \text{ lgdogf}$

A203880 9.10889 [ $\{a(n+1)-13a(n), a(0) = 637\}$ , ogf]  
A203881 10.0284  $-(5191+46644x+133308x^2)/(966x+169)/(138x^2+25x-1)$  lgdogf  
A203881 10.2204  $[-49*(966x+169)/(138x^2+25x-1)$  ogf]  
A203881 6.04430 [ $\{a(n+2)-25a(n+1)-138a(n), a(0) = 8281, a(1) = 254359\}$ , ogf]  
A203881 6.24578  $[-(-133308x^2-46644x-5191)/(-133308x^3-47472x^2-3259x+169)$  lgdogf]  
A203882 3.12079 [ $\{-a(n+3)+79a(n+2)-450a(n+1)-144a(n), a(0) = 107653, a(1) = 7501753, a(2) = 543848893\}$ , ogf]  
A203882 5.17595  $[-49*(7056x^2+20466x-2197)/(144x^3+450x^2-79x+1)$  ogf]  
A203916 6.60066  $-(49+56x+212x^2+252x^3+216x^4+216x^5+224x^6+64x^7)/(2x^2+3x-1)/(2x^2+1)/(16x^3+28x^2+7x+14)$  lgdogf  
A203916 8.50036  $[-8*(16x^3+28x^2+7x+14)/(2x^2+3x-1)/(2x^2+1)$  ogf]  
A203927 17.8370  $[11/(-11x+1)$  lgdogf]  
A203927 19.1111  $[-396/(11x-1)$  ogf]  
A203927 40.3092  $-11/(-1+11x)$  lgdogf  
A203927 9.72927 [ $\{a(n+1)-11a(n), a(0) = 396\}$ , ogf]  
A203928 5.76577 [ $\{a(n+2)-21a(n+1)-70a(n), a(0) = 4356, a(1) = 106596\}$ , ogf]  
A203928 6.02785  $[-(-29400x^2-16940x-2961)/(-29400x^3-17290x^2-2121x+121)$  lgdogf]  
A203928 9.82317  $[-36*(420x+121)/(70x^2+21x-1)$  ogf]  
A203928 9.99798  $-7*(423+2420x+4200x^2)/(420x+121)/(70x^2+21x-1)$  lgdogf  
A203929 3.56047 [ $\{-a(n+3)+61a(n+2)-315a(n+1)+50a(n), a(0) = 47916, a(1) = 2543436, a(2) = 140120856\}$ , ogf]  
A203929 6.11671  $[-36*(1800x^2-10540x+1331)/(50x^3-315x^2+61x-1)$  ogf]  
A203958 5.05162  $[-(108x^5-432x^4+675x^3-517x^2+199x-32)/(3x-1)/(2x-1)^2/(x-1)^3]$  ogf]  
A203969 4.58803  $[-(x^8-x^7-8x^5+5x^4+3x^3+9x^2+3x+2)/(x^3-x^2-x-1)/(x^6+x^4-7x^3-x^2-3x+1)$  ogf]  
A203976 10.8328  $[-(-5-8x+4x^3+15x^4-15x^2+2x^5)/(x^2+5x+1)/(x^2+x-1)/(x^2-x-1)$  lgdogf]  
A203976 13.3930  $[x*(x^2+5x+1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A203979 10.1568 [ $\{a(n+1)-9a(n), a(0) = 96\}$ , ogf]  
A203979 19.2254  $[9/(-9x+1)$  lgdogf]  
A203979 20.7042  $[-96/(9x-1)$  ogf]  
A203979 47.9070  $-9/(-1+9x)$  lgdogf  
A203980 3.46555 [ $\{-a(n+4)+15a(n+3)-270a(n+1)+324a(n), a(0) = 384, a(1) = 5184, a(2) = 69984, a(3) = 956448\}$ , ogf]  
A203980 5.83027  $[-96*(108x^3-81x^2-6x+4)/(18x^2-1)/(18x^2-15x+1)$  ogf]  
A203981 3.39307  $[-96*(6561x^5-3321x^4-2124x^3+819x^2+76x-16)/(81x^3+45x^2-1)/(81x^3-90x^2+25x-1)$  ogf]  
A204010 3.73150  $[-(-2x^{11}-2x^{10}-x^9-2x^8-x^7-2x^6-x^5-2x^4-x^3-2x^2-x-2)/(x^{12}-1)$  ogf\_with\_Euler\_transform]  
A204032 4.44294  $[-(32x^8-72x^7-20x^6+144x^5-52x^4-90x^3+55x^2+20x-16)/(x+1)/(2x-1)/(2x^2-1)^2/(x-1)^3]$  ogf]  
A204061 12.0205  $[-(-x^2+4x+1)/(-x^3+5x^2+5x-1)$  lgdogf]  
A204061 24.4012  $-(-1-4x+x^2)/(x+1)/(x^2-6x+1)$  lgdogf  
A204061 3.86589 [ $\{(-n-4)a(n+4)+(16+5n)a(n+3)+(14+5n)a(n+2)+(-2-n)a(n+1), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 21\}$ , ogf]  
A204062 10.9983  $[-(-4x^2+16x+4)/(-x^3+5x^2+5x-1)$  lgdogf]  
A204062 14.2978  $[1/(x^2-6x+1)/(x+1)^2]$  ogf]  
A204062 21.2833  $-4*(-1-4x+x^2)/(x+1)/(x^2-6x+1)$  lgdogf  
A204062 3.55668 [ $\{(-n-4)a(n+4)+(19+5n)a(n+3)+(26+5n)a(n+2)+(-5-n)a(n+1), a(0) = 1, a(1) = 4, a(2) = 26, a(3) = 148\}$ , ogf]  
A204070 4.88954 [ $\{-a(n+3)+10a(n+2)-11a(n+1)+2a(n), a(0) = 38, a(1) = 329, a(2) = 2882\}$ , ogf]  
A204070 7.98866  $-(329-816x+689x^2-204x^3+20x^4)/(x-1)/(2x^2-9x+1)/(10x^2-51x+38)$  lgdogf  
A204070 8.89008  $[-(10x^2-51x+38)/(x-1)/(2x^2-9x+1)$  ogf]  
A204071 5.59663  $[-2*(224x^3-570x^2+439x-94)/(x-1)/(32x^3-54x^2+19x-1)$  ogf]  
A204078 6.72746  $[-4x*(4x^3+2x^2+x-1)/(4x-1)/(x-1)/(x^2+x+1)/(4x^2+2x+1)$

ogf]

A204089 11.1867  $[-(-2*x^2+1)/(-4*x^4+14*x^3-16*x^2+7*x-1) \text{ lgdogf}]$

A204089 14.7748  $[(2*x-1)*(x-1)/(2*x^2-4*x+1) \text{ ogf}]$

A204089 19.7369  $[-(-1+2*x^2)/(x-1)/(2*x-1)/(2*x^2-4*x+1) \text{ lgdogf}]$

A204089 7.67713  $[\{-a(n+3)+4*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 1, a(2) = 4\}, \text{ ogf}]$

A204090 9.55794  $[-(4*x^3-10*x^2+5*x-1)/(2*x-1)/(x-1)/(2*x^2-4*x+1) \text{ ogf}]$

A204091 10.5763  $[-(-4*x^2+2)/(-4*x^4+16*x^3-19*x^2+8*x-1) \text{ lgdogf}]$

A204091 13.9687  $[(2*x-1)*(x-1)/(2*x^2-5*x+1) \text{ ogf}]$

A204091 17.7431  $-2*(-1+2*x^2)/(x-1)/(2*x-1)/(2*x^2-5*x+1) \text{ lgdogf}]$

A204091 7.18779  $[\{-a(n+3)+5*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 2, a(2) = 10\}, \text{ ogf}]$

A204092 9.53594  $[-(4*x^3-12*x^2+5*x-1)/(2*x-1)/(x-1)/(2*x^2-5*x+1) \text{ ogf}]$

A204102 3.59231  $[\{-a(n+4)+15*a(n+3)-270*a(n+1)+324*a(n), a(0) = 2304, a(1) = 31104, a(2) = 419904, a(3) = 5738688\}, \text{ ogf}]$

A204102 6.00080  $[-576*(108*x^3-81*x^2-6*x+4)/(18*x^2-1)/(18*x^2-15*x+1) \text{ ogf}]$

A204103 3.45509  $[-576*(6561*x^5-3321*x^4-2124*x^3+819*x^2+76*x-16)/(81*x^3+45*x^2-1)/(81*x^3-90*x^2+25*x-1) \text{ ogf}]$

A204146 5.29451  $[-(1952*x^4+820*x^3-2295*x^2+232*x-689)/(x-1)/(4*x^2+1)/(4*x^2+5*x-1) \text{ ogf}]$

A204185 16.0336  $[-3*x^2*(3*x+2)/(x+1)/(x-1)^5 \text{ ogf}]$

A204185 18.4267  $[-(15*x^2+24*x+11)/(3*x^3+2*x^2-3*x-2) \text{ lgdogf}]$

A204185 33.1549  $-(11+24*x+15*x^2)/(x-1)/(3*x+2)/(x+1) \text{ lgdogf}$

A204185 7.30527  $[\{(5*n^2+33*n+52)*a(n+1)+(44+20*n)*a(n+2)+(-5*n^2-13*n-8)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 6\}, \text{ ogf}]$

A204189 12.3706  $[-(-37859512559734291*x+48425980631694091)/(-37859512559734291*x^2+81002259155448482*x-43142746595714191) \text{ lgdogf}]$

A204189 13.8898  $[\{-a(n+2)+2*a(n+1)-a(n), a(0) = 43142746595714191, a(1) = 48425980631694091\}, \text{ ogf}]$

A204189 20.5642  $[-(37859512559734291*x-43142746595714191)/(x-1)^2 \text{ ogf}]$

A204192 3.76659  $[(4*x^10+5*x^9-14*x^8-34*x^7+25*x^6+48*x^5-7*x^4-31*x^3-12*x^2+12*x+3)/(x-1)/(x+1)/(2*x^6-x^5-3*x^4+x^3+2*x^2+2*x-1) \text{ ogf}]$

A204200 10.8601  $[-(x^2-3*x+1)/(x^3-3*x^2+4*x-1) \text{ ogf}]$

A204200 12.0237  $-(x-1)*(x^3-5*x^2+3*x-1)/(x^2-3*x+1)/(x^3-3*x^2+4*x-1) \text{ lgdogf}$

A204200 5.91486  $[\{a(n+3)-4*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 2\}, \text{ ogf}]$

A204200 6.75984  $[-(x^4-6*x^3+8*x^2-4*x+1)/(x^5-6*x^4+14*x^3-16*x^2+7*x-1) \text{ lgdogf}]$

A204214 11.5903  $-(120+88*x-6*x^3+x^4+27*x^2)/(x-1)/(x^4-5*x^3+14*x^2+15*x+21) \text{ lgdogf}$

A204214 7.06739  $[-(-x^4+6*x^3-27*x^2-88*x-120)/(-x^5+6*x^4-19*x^3-x^2-6*x+21) \text{ lgdogf}]$

A204214 7.35586  $[-(x^4-5*x^3+14*x^2+15*x+21)/(x-1)^5 \text{ ogf}]$

A204215 5.98087  $[-(x^5-6*x^4+6*x^3-135*x^2-167*x-51)/(x-1)^6 \text{ ogf}]$

A204215 8.68903  $-(473-1105*x-6*x^3-7*x^4-522*x^2+x^5)/(x-1)/(x^5-6*x^4+6*x^3-135*x^2-167*x-51) \text{ lgdogf}$

A204216 4.65357  $[-(x^6-7*x^5+42*x^4+481*x^3+1684*x^2+1036*x+127)/(x-1)^7 \text{ ogf}]$

A204220 6.76649  $[-(-x^5-x^2+1)/(x^6+x^5-x-1) \text{ ogf\_with\_Euler\_transform}]$

A204221 7.34173  $[-x*(x^2-x+1)*(x^4+8*x^3+12*x^2+8*x+1)/(x^2+1)^2/(x+1)^2/(x-1)^3 \text{ ogf}]$

A204238 14.1417  $[-(-4*x+17)/(-4*x^2+7*x+2) \text{ lgdogf}]$

A204238 15.0640  $[-(x-2)/(4*x+1)^2 \text{ ogf}]$

A204238 20.1203  $-(17+4*x)/(4*x+1)/(x-2) \text{ lgdogf}$

A204238 8.24932  $[\{a(n+2)+8*a(n+1)+16*a(n), a(0) = 2, a(1) = -17\}, \text{ ogf}]$

A204240 11.1606  $[-(-20*x+14)/(-20*x^2+x+1) \text{ lgdogf}]$

A204240 12.1104  $[-(4*x-1)/(5*x+1)^2 \text{ ogf}]$

A204240 13.1698  $-2*(-7+10*x)/(5*x+1)/(4*x-1) \text{ lgdogf}$

A204240 6.69634  $[\{a(n+2)+10*a(n+1)+25*a(n), a(0) = 1, a(1) = -14\}, \text{ ogf}]$

A204278 4.98440  $[(3072*x^8+1792*x^7-3772*x^6-2850*x^5-1604*x^4+2402*x^3+1001*x^2+200*x-274)/(x-1)/(2*x^2+2*x-1)/(2*x^3-1) \text{ ogf}]$

A204279 5.43016 [  
 $(3136*x^7+2708*x^6-4966*x^5-4264*x^4+128*x^3+2467*x^2+1484*x-783)/(x-1)/(2*x^2+2*x-1)/(2*x^3-1)$  ogf]  
A204280 5.50139 [  
 $(128*x^7+6528*x^6-814*x^5-10258*x^4+524*x^3+323*x^2+5081*x-1758)/(x-1)/(2*x^2+2*x-1)/(2*x^3-1)$  ogf]  
A204281 5.32674 [  
 $(640*x^7+19868*x^6-2022*x^5-30988*x^4+560*x^3+1283*x^2+15250*x-5263)/(x-1)/(2*x^2+2*x-1)/(2*x^3-1)$  ogf]  
A204282 5.29441 [  
 $(128*x^7+53524*x^6-2918*x^5-82896*x^4+1352*x^3+1427*x^2+41688*x-14141)/(x-1)/(2*x^2+2*x-1)/(2*x^3-1)$  ogf]  
A204283 5.31321 [  
 $(256*x^7+111900*x^6-7654*x^5-174812*x^4+4056*x^3+3659*x^2+87310*x-29731)/(x-1)/(2*x^2+2*x-1)/(2*x^3-1)$  ogf]  
A204295 3.97971 [  $-4*x*(8*x^7-4*x^6-4*x^5-15*x^4+5*x^3+2*x^2+3*x-1)/(x-1)/(4*x-1)/(x+1)/(x^2+x+1)/(x^2-3*x+1)/(4*x^2+2*x+1)$  ogf]  
A204364 4.75495 [  
 $(1800*x^8+708*x^7-1796*x^6-2006*x^5-848*x^4+1306*x^3+725*x^2+170*x-212)/(x-1)/(2*x^2+2*x-1)/(2*x^3-1)$  ogf]  
A204365 4.97464 [  
 $(200*x^8+1732*x^7+1104*x^6-3486*x^5-2506*x^4+404*x^3+1677*x^2+992*x-555)/(x-1)/(2*x^2+2*x-1)/(2*x^3-1)$  ogf]  
A204366 4.90039 [  
 $(200*x^8+1092*x^7+1928*x^6-3442*x^5-4498*x^4+1162*x^3+1517*x^2+1960*x-891)/(x-1)/(2*x^2+2*x-1)/(2*x^3-1)$  ogf]  
A204367 4.92299 [  
 $(200*x^8+2628*x^7+5888*x^6-7618*x^5-12706*x^4+1862*x^3+4103*x^2+5542*x-2419)/(x-1)/(2*x^2+2*x-1)/(2*x^3-1)$  ogf]  
A204368 4.78234 [  
 $(200*x^8+7620*x^7+14336*x^6-21146*x^5-31138*x^4+4766*x^3+10491*x^2+14008*x-6121)/(x-1)/(2*x^2+2*x-1)/(2*x^3-1)$  ogf]  
A204369 4.74954 [  
 $(200*x^8+20676*x^7+28976*x^6-57170*x^5-69218*x^4+13586*x^3+28227*x^2+29408*x-13693)/(x-1)/(2*x^2+2*x-1)/(2*x^3-1)$  ogf]  
A204373 3.50443 [  $(8*x^7+16*x^6+14*x^5-27*x^4-55*x^3-20*x^2+15*x+33)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A204375 6.21463 [  $(8*x^7+16*x^6+22*x^5-26*x^4-90*x^3-45*x^2-3*x+51)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A204376 6.16452 [  $(4*x^7+8*x^6+37*x^5-14*x^4-118*x^3-71*x^2-24*x+78)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A204377 5.83966 [  $(4*x^7+4*x^6+56*x^5-x^4-164*x^3-101*x^2-50*x+113)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A204378 5.77546 [  $(4*x^7+4*x^6+101*x^5+21*x^4-257*x^3-172*x^2-94*x+182)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A204379 5.78544 [  $(4*x^7+4*x^6+163*x^5+42*x^4-400*x^3-275*x^2-158*x+286)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A204380 5.78544 [  $(4*x^7+4*x^6+252*x^5+65*x^4-620*x^3-427*x^2-246*x+439)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A204391 6.20990  $-(81-72*x+252*x^4+308*x^3-288*x^5+64*x^6-312*x^2)/(2*x^2-1)/(16*x^3-36*x^2-9*x+18)/(2*x^2-5*x+1)$  lgdogf  
A204391 7.89783 [  $-8*(16*x^3-36*x^2-9*x+18)/(2*x^2-1)/(2*x^2-5*x+1)$  ogf]  
A204409 4.27956 [  
 $2*(66604032*x^5+51511104*x^4-1780119*x^3-473995*x^2-77469*x-1785)/(2304*x^3-1)$  ogf]  
A204418 11.6896 [  $-(x^2+1)/(x-1)/(x^2+x+1)$  ogf]  
A204418 14.1705 [  $-x*(x^2-x-1)$  ogf\_with\_Euler\_transform]  
A204418 16.0938  $-x*(2+x^3+3*x)/(x-1)/(x^2+1)/(x^2+x+1)$  lgdogf  
A204418 7.01373 [  $\{a(n+3)-a(n), a(0) = 1, a(1) = 0, a(2) = 1\}$ , ogf]  
A204454 6.17350 [  $(x^{10}+2*x^9+2*x^8+2*x^7+2*x^6+4*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]

A204457 4.20113 [  $(x^{12}+2x^{11}+2x^{10}+2x^9+2x^8+2x^7+4x^6+2x^5+2x^4+2x^3+2x^2+2x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf ]  
A204467 12.0526 [  $-(2x+1)*(x^2+4x+1)/(x+1)/(x-1)^3$  ogf ]  
A204467 13.3808  $-2*(4+17x+21x^2+11x^3+x^4)/(x-1)/(2x+1)/(x+1)/(x^2+4x+1)$  lgdogf  
A204467 8.40032 [  $-(2x^4+22x^3+42x^2+34x+8)/(2x^5+9x^4+4x^3-8x^2-6x-1)$  lgdogf ]  
A204468 7.79269 [  $x*(5x^4+9x^3+12x^2+5x+1)/(x^2+x+1)/(x-1)^4$  ogf ]  
A204468 9.36566  $-2*(x+1)*(5x^5+16x^4+29x^3+25x^2+17x+4)/(x-1)/(x^2+x+1)/(5x^4+9x^3+12x^2+5x+1)$  lgdogf  
A204469 4.32018 [  $-(12x^{10}+390x^9+1821x^8+4057x^7+6070x^6+6651x^5+5374x^4+3123x^3+1112x^2+139x+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf ]  
A204470 4.11364 [  $x*(32x^9+352x^8+979x^7+1370x^6+1425x^5+1394x^4+1072x^3+449x^2+54x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x-1)^6$  ogf ]  
A204502 11.4481 [  $-(3x^5-3x^4-4x^3-2)/(-x^6+x^4-x+1)$  lgdogf ]  
A204502 15.2642 [  $x*(x^2+x+1)*(x^3-x+1)/(x-1)^2$  ogf ]  
A204502 17.8672  $(-2+3x^5-4x^3-3x^4)/(x-1)/(x^2+x+1)/(x^3-x+1)$  lgdogf  
A204503 12.1716  $(4+2x+21x^6-66x^5+44x^3+49x^4)/(x-1)/(7x^6-12x^5-11x^4-x-1)$  lgdogf  
A204503 9.96369 [  $x*(7x^6-12x^5-11x^4-x-1)/(x-1)^3$  ogf ]  
A204504 9.14623 [  $-x^3*(4x+1)*(x^2+1)/(x-1)/(x+1)/(x^2+6x+1)/(x^2-6x+1)$  ogf ]  
A204512 13.3113 [  $x^3*(2x+1)/(x^2+2x-1)/(x^2-2x-1)$  ogf ]  
A204512 13.4865  $-2*(3x^2-4x-1)*(x+1)^2/(2x+1)/(x^2+2x-1)/(x^2-2x-1)$  lgdogf  
A204512 7.66407 [  $-(-6x^4-4x^3+12x^2+12x+2)/(-2x^5-x^4+12x^3+6x^2-2x-1)$  lgdogf ]  
A204513 12.4875 [  $-x^3*(x^6+36x^5+9x^4+34x^3+36x^2+9x+1)/(x-1)/(x^2+x+1)/(x^6-254x^3+1)$  ogf ]  
A204514 10.2817  $-2*(1+3x+3x^6+3x^5-3x^2-2x^3+15x^4)/(2x+1)/(3x^2-1)/(x^2+2x-1)/(x^2-2x-1)$  lgdogf  
A204514 12.5211 [  $-x*(2x+1)*(3x^2-1)/(x^2+2x-1)/(x^2-2x-1)$  ogf ]  
A204515 4.57270 [  $\{(-16n^3-96n^2-188n-120)*a(n+1)+(n^2+6n+9)*a(n+2), a(0) = 1, a(1) = 3\}$ , ogf ]  
A204516 7.89703 [  $-x*(3x^5+16x^4+8x^3-3x^2-2x-1)/(x^6-16x^3+1)$  ogf ]  
A204517 10.6785 [  $x^3*(x^3+6x^2+3x+1)/(x^6-16x^3+1)$  ogf ]  
A204517 9.04270  $-3*(-1-4x+x^8+8x^7+5x^6+2x^5-17x^2-32x^3-32x^4)/(x^3+6x^2+3x+1)/(x^6-16x^3+1)$  lgdogf  
A204518 8.75510 [  $-x*(x+1)*(3x^4+7x^3-2x^2-x-1)/(x^6-10x^3+1)$  ogf ]  
A204519 7.18964 [  $x^3*(x^3+4x^2+2x+1)/(x^6-10x^3+1)$  ogf ]  
A204520 4.47979 [  $-x*(x+1)*(3x^6+4x^5+14x^4-5x^3-2x^2-x-1)/(x^4-4x^2-1)/(x^4+4x^2-1)$  ogf ]  
A204521 4.34413 [  $x^3*(x^5+3x^4+8x^3+4x^2+3x+1)/(x^4-4x^2-1)/(x^4+4x^2-1)$  ogf ]  
A204531 6.64563 [  $-(2x^7-2x^6+3x^5-2x^4+3x^3-2x^2+3x-2)/(-x^8+1)$  ogf\_with\_Euler\_transform ]  
A204542 11.4322 [  $(x^4+3x^3+7x^2+3x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A204542 9.49347  $-(4+18x+x^7+7x^6+25x^5+23x^4+20x^2+22x^3)/(x-1)/(x+1)/(x^2+1)/(x^4+3x^3+7x^2+3x+1)$  lgdogf  
A204543 8.79365 [  $-(4x^5+7x^4+30x^3+25x^2+26x+16)/(x^2+1)/(2x^2-1)$  ogf ]  
A204555 6.52986 [  $-(x^6-2x^5-4x^4-x^3+x^2-x-1)/(x+1)^3/(x-1)^4$  ogf ]  
A204556 6.99113 [  $(3x^5+3x^4+12x^3+4x^2+x+1)/(x+1)^3/(x-1)^4$  ogf ]  
A204556 9.41647  $-2*(1+8x+33x^4+6x^5+3x^6+23x^2+22x^3)/(x-1)/(x+1)/(3x^5+3x^4+12x^3+4x^2+x+1)$  lgdogf  
A204557 6.88491 [  $-(x^5-x^4-6x^3-14x^2-3x-1)/(x+1)^3/(x-1)^4$  ogf ]  
A204557 9.72408  $-2*(-2-19x-10x^4-x^5+x^6-25x^2-40x^3)/(x-1)/(x+1)/(x^5-x^4-6x^3-14x^2-3x-1)$  lgdogf  
A204558 6.17805 [  $-(x^6+4x^5+31x^4+24x^3+31x^2+4x+1)/(x+1)^3/(x-1)^5$  ogf ]  
A204562 6.79132 [  $-(x^47+x^46-x^45-x^31-x^17-x^16-x^15-x-1)/(x-1)/(x^46-x^16-1)$  ogf ]

A204565 5.25522 [ $\{-a(n+3)+11*a(n+2)-31*a(n+1)+21*a(n), a(0) = 8, a(1) = 42, a(2) = 256\}$ , ogf]  
A204565 8.33059  $-(21-206*x+734*x^2+441*x^4-966*x^3)/(x-1)/(3*x-1)/(7*x-1)/(21*x^2-23*x+4)$  lgdogf  
A204565 9.39570 [ $-2*(21*x^2-23*x+4)/(x-1)/(3*x-1)/(7*x-1)$  ogf]  
A204566 4.93785 [ $-2*(30*x^4-37*x^3-136*x^2+158*x-21)/(x-1)/(2*x^2-5*x+1)/(6*x^2+13*x-1)$  ogf]  
A204573 6.89130 [ $-x^3*(x^6+16*x^5+4*x^4+22*x^3+16*x^2+4*x+1)/(x-1)/(x^2+x+1)/(x^6-98*x^3+1)$  ogf]  
A204609 8.23056 [ $-(x^5+4*x^4+8*x^3+16*x^2+x-16)/(x-1)/(2*x^2+2*x-1)$  ogf]  
A204610 5.49101 [ $(6*x^6+77*x^5-28*x^4-229*x^3+102*x^2+101*x-47)/(x-1)/(2*x-1)/(6*x^2+3*x-1)$  ogf]  
A204611 3.47677 [ $-(192*x^9-64*x^8-2576*x^7-1760*x^6+4228*x^5-8*x^4-2688*x^3+840*x^2+376*x-125)/(2*x-1)/(4*x^2+2*x-1)/(8*x^4+16*x^3-12*x^2-5*x+1)$  ogf]  
A204623 11.4444 [ $\{a(n+1)-8*a(n), a(0) = 12\}$ , ogf]  
A204623 21.6627 [ $8/(-8*x+1)$  lgdogf]  
A204623 23.3290 [ $-12/(8*x-1)$  ogf]  
A204623 54.0706  $-8/(-1+8*x)$  lgdogf  
A204624 10.6664 [ $-3*(21*x-32)/(14*x^2-22*x+1)$  ogf]  
A204624 11.1266  $-(683-896*x+294*x^2)/(21*x-32)/(14*x^2-22*x+1)$  lgdogf  
A204624 5.93925 [ $\{a(n+2)-22*a(n+1)+14*a(n), a(0) = 96, a(1) = 2049\}$ , ogf]  
A204624 6.78771 [ $-(-294*x^2+896*x-683)/(-294*x^3+910*x^2-725*x+32)$  lgdogf]  
A204625 3.92758 [ $\{-a(n+3)+60*a(n+2)-175*a(n+1)+68*a(n), a(0) = 768, a(1) = 43734, a(2) = 2490558\}$ , ogf]  
A204625 6.98236 [ $-6*(153*x^2-391*x+128)/(68*x^3-175*x^2+60*x-1)$  ogf]  
A204631 10.0731 [ $-(-7*x^6+5*x^4-2*x-1)/(-x^7+x^5-x^2-x+1)$  lgdogf]  
A204631 16.4458 [ $-1/(x^7-x^5+x^2+x-1)$  ogf]  
A204631 20.8155  $-(1-5*x^4+2*x+7*x^6)/(x^2-1+x*x^7-x^5)$  lgdogf  
A204638 3.18324 [ $(504*x^9+36801*x^8+31551*x^7-90750*x^6-42717*x^5+54046*x^4+13934*x^3+11776*x^2-20851*x+4246)/(x-1)/(3*x^2+3*x-1)/(x^2+x-1)/(3*x^3-1)$  ogf]  
A204644 10.1682 [ $-(-x^4+4*x^2+2*x-4)/(-x^5+4*x^3-x^2-4*x+2)$  lgdogf]  
A204644 16.6012 [ $-4*(x^2-2)/(x^2+x-1)/(x-1)$  ogf]  
A204644 18.1619  $-(x-2)*(x^3+2*x^2-2)/(x-1)/(x^2-2)/(x^2+x-1)$  lgdogf  
A204644 8.47353 [ $\{a(n+3)-2*a(n+2)+a(n), a(0) = 8, a(1) = 16, a(2) = 28\}$ , ogf]  
A204645 7.72451 [ $-(6*x^5-23*x^4+26*x^3+8*x^2-32*x+16)/(x+1)/(x-1)^5$  ogf]  
A204645 8.65352  $-2*(16+22*x^3+8*x^4-11*x^5-8*x+3*x^6-25*x^2)/(x-1)/(x+1)/(6*x^5-23*x^4+26*x^3+8*x^2-32*x+16)$  lgdogf  
A204646 6.88112 [ $(3*x^6-20*x^5+48*x^4-42*x^3-20*x^2+56*x-28)/(x+1)/(x-1)^5$  ogf]  
A204647 5.04522 [ $(4*x^8-5*x^7-43*x^6+145*x^5-167*x^4+10*x^3+160*x^2-150*x+48)/(x+1)/(x-1)^6$  ogf]  
A204648 4.23157 [ $(4*x^{10}-8*x^9+4*x^8-89*x^7+379*x^6-600*x^5+292*x^4+335*x^3-582*x^2+343*x-80)/(x+1)/(x-1)^7$  ogf]  
A204671 8.98695 [ $(x^6-5*x^5-4*x^4-3*x^3-4*x^2-x-1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A204674 11.2319  $-6*(2+9*x+5*x^2)/(x-1)/(5*x+1)/(3*x+1)$  lgdogf  
A204674 6.28349 [ $(3*x+1)*(5*x+1)/(x-1)^4$  ogf]  
A204675 11.8089 [ $-(15*x^2+62*x+19)/(15*x^3+x^2-15*x-1)$  lgdogf]  
A204675 12.9335 [ $-(x+1)*(15*x+1)/(x-1)^3$  ogf]  
A204675 21.0490  $-(5*x+19)*(3*x+1)/(x-1)/(15*x+1)/(x+1)$  lgdogf  
A204675 7.14747 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 19, a(2) = 69\}$ , ogf]  
A204678 7.49809 [ $(x+1)*(x^4+2*x^3-2*x^2-3*x+1)/(3*x^2+3*x-1)/(x^2+x-1)$  ogf]  
A204679 3.82587 [ $(9*x^7-21*x^6-57*x^5+140*x^4+3*x^3-79*x^2-13*x+2)/(3*x+1)/(x+1)/(x^2-3*x+1)/(9*x^2-15*x+1)$  ogf]  
A204688 9.11536 [ $(x^6-2*x^5-x^4-x^2-x-1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A204689 10.4988 [ $(x^4-3*x^3-x-1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A204689 13.5544  $(1+3*x^6+3*x^4+9*x^2)/(x-1)/(x+1)/(1+x^2)/(x^4-3*x^3-x-1)$  lgdogf  
A204689 5.64558 [ $\{-a(n+5)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 3, a(4) =$

0}], ogf]  
A204694 6.69887 [  $(4x^{10}+x^8-7x^7-5x^5-3x^3-4x^2-x-1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A204695 4.58911 [  $(x^{18}-8x^{17}-7x^{16}-7x^{14}-4x^{13}-5x^{11}-x^{10}-x^8-7x^7-2x^5-4x^4-4x^2-x-1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A204696 11.5994 [  $-(8x^4+8x^3-22x^2+4x+3)/(8x^5-14x^3+4x^2+5x-2)$  lgdogf]  
A204696 14.7035 [  $-8x^5*(2x^2+x-2)/(2x-1)/(2x^2-1)$  ogf]  
A204696 18.3797 [  $-(3+4x+8x^4+8x^3-22x^2)/(2x-1)/(2x^2-1)/(2x^2+x-2)$  lgdogf]  
A204699 4.00088 [  $\{a(n+5)-6a(n+4)-12a(n+3)+8a(n+2), a(0) = 2, a(1) = 14, a(2) = 96, a(3) = 726, a(4) = 5400\}$ , ogf]  
A204699 7.09703 [  $(7+12x+16x^6-48x^5+24x^4+4x^3+21x^2)/(2x+1)/(2x-1)/(4x^2-8x+1)/(x^3-3x-1)$  lgdogf]  
A204699 7.69789 [  $2*(2x-1)*(x^3-3x-1)/(2x+1)/(4x^2-8x+1)$  ogf]  
A204707 10.4983 [  $-(24x^2-7x-13)/(x-1)/(4x^2+x-1)$  ogf]  
A204707 5.75125 [  $\{a(n+3)-2a(n+2)-3a(n+1)+4a(n), a(0) = 13, a(1) = 33, a(2) = 81\}$ , ogf]  
A204707 9.97480 [  $-(33+30x+96x^4-56x^3-87x^2)/(x-1)/(4x^2+x-1)/(24x^2-7x-13)$  lgdogf]  
A204708 5.35196 [  $\{-a(n+3)+3a(n+2)+2a(n+1)-4a(n), a(0) = 25, a(1) = 81, a(2) = 257\}$ , ogf]  
A204708 8.81573 [  $-(81+28x+144x^4-48x^3-180x^2)/(x-1)/(4x^2+2x-1)/(36x^2-6x-25)$  lgdogf]  
A204708 9.85440 [  $-(36x^2-6x-25)/(x-1)/(4x^2+2x-1)$  ogf]  
A204709 7.09194 [  $-(224x^3+13x^2-160x-49)/(x-1)/(16x^3+13x^2-1)$  ogf]  
A204710 5.28348 [  $-(1576x^4-860x^3-882x^2+141x+97)/(x-1)/(2x+1)/(36x^3-8x^2-5x+1)$  ogf]  
A204716 5.73187 [  $-(8x^5-18x^4-21x^3+32x^2+13x-16)/(x-1)/(2x-1)/(x^2-3x+1)/(x+1)^2$  ogf]  
A204734 6.78217 [  $-(43-28x+80x^6-240x^5+154x^4+146x^3-167x^2)/(x-1)/(4x^2+x-1)/(20x^4-50x^3+27x^2+17x-15)$  lgdogf]  
A204734 6.84530 [  $-(20x^4-50x^3+27x^2+17x-15)/(4x^2+x-1)/(x-1)^3$  ogf]  
A204746 5.02476 [  $2*(15x^4+14x^3-35x^2-17x+20)/(x^2+x-1)/(x-1)$  ogf]  
A204748 6.06886 [  $(8x^7+32x^6+59x^5-6x^4-110x^3-76x^2-15x+61)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A204749 5.44077 [  $\{-a(n+5)+2a(n+4)-a(n+2), a(0) = 102, a(1) = 31, a(2) = 22, a(3) = 27, a(4) = 35\}$ , ogf]  
A204749 8.18557 [  $(31-80x+12x^6-32x^4+54x^3+29x^2)/(x-1)/(x^2+x-1)/(12x^4+85x^3-40x^2-173x+102)$  lgdogf]  
A204749 9.44975 [  $(12x^4+85x^3-40x^2-173x+102)/(x^2+x-1)/(x-1)$  ogf]  
A204750 5.44077 [  $\{-a(n+5)+2a(n+4)-a(n+2), a(0) = 188, a(1) = 28, a(2) = 27, a(3) = 32, a(4) = 40\}$ , ogf]  
A204750 8.48144 [  $(28-58x+4x^6+5x^4+48x^3-8x^2)/(x-1)/(x^2+x-1)/(4x^4+166x^3-29x^2-348x+188)$  lgdogf]  
A204750 9.44975 [  $(4x^4+166x^3-29x^2-348x+188)/(x^2+x-1)/(x-1)$  ogf]  
A204751 5.44077 [  $\{-a(n+5)+2a(n+4)-a(n+2), a(0) = 342, a(1) = 38, a(2) = 35, a(3) = 40, a(4) = 48\}$ , ogf]  
A204751 8.48144 [  $(38-82x+6x^6+5x^4+68x^3-8x^2)/(x-1)/(x^2+x-1)/(6x^4+312x^3-41x^2-646x+342)$  lgdogf]  
A204751 9.44975 [  $(6x^4+312x^3-41x^2-646x+342)/(x^2+x-1)/(x-1)$  ogf]  
A204752 8.09149 [  $(49-100x+4x^6+26x^4+90x^3-29x^2)/(x-1)/(x^2+x-1)/(4x^4+547x^3-50x^2-1131x+590)$  lgdogf]  
A204752 9.32703 [  $(4x^4+547x^3-50x^2-1131x+590)/(x^2+x-1)/(x-1)$  ogf]  
A204753 7.98955 [  $(70-142x+4x^6+47x^4+132x^3-50x^2)/(x-1)/(x^2+x-1)/(4x^4+987x^3-71x^2-2032x+1051)$  lgdogf]  
A204753 9.29860 [  $(4x^4+987x^3-71x^2-2032x+1051)/(x^2+x-1)/(x-1)$  ogf]  
A204765 6.65190 [  $x*(119x^5+x^4+119x^3-497x^2-3x-217)/(x-1)/(x^6-6x^3+1)$  ogf]  
A204766 10.0733 [  $(13x^2+141x+13)/(x+1)/(x-1)^2$  ogf]  
A204766 5.59629 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 13, a(1) = 154, a(2) = 180\}$ , ogf]



A204766 7.70313 [  $(-(-13*x^3-295*x^2-206*x-154)/(-13*x^4-141*x^3+141*x+13) \lgdogf]$   
A204769 10.1739 [  $(46*x^2+59*x+46)/(x+1)/(x-1)^2 \text{ ogf}$ ]  
A204769 5.56521 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 46, a(1) = 105, a(2) = 197\},$   
ogf]  
A204769 7.84493 [  $(-(46*x^3+164*x^2+289*x+105)/(46*x^4+59*x^3-59*x-46) \lgdogf]$   
A204770 12.5041 [  $(-(-2*x^3+x^2-1)/(x^4-x^3+x-1) \text{ ogf\_with\_Euler\_transform}]$   
A204775 5.81793 [  $-54*(441*x^3-672*x^2-32*x+48)/(14*x^2-1)/(14*x^2-22*x+1) \text{ ogf}]$   
A204794 5.07420 [  $(104*x^7+65*x^6-206*x^5-233*x^4-31*x^3+204*x^2+42*x-47)/(x-1)/$   
 $(2*x-1)/(6*x^2+3*x-1) \text{ ogf}]$   
A204843 3.31338 [  $(-(x^{23}-x^{22}+x^{21}-x^{19}+x^{18}-x^{17}+x^{16}-x^{12}+2*x^{11}-x^{10}+x^6-$   
 $x^5+x^4-x^3+x-1)/(-x^{24}+1) \text{ ogf\_with\_Euler\_transform}]$   
A204853 3.23449 [  $(-(x^{23}+x^{22}-x^{19}-x^{18}-x^{17}-x^{16}+x^{13}+x^{12}+2*x^{11}+x^{10}+x^9-x^6-$   
 $x^5-x^4-x^3+1)/(-x^{24}+1) \text{ ogf\_with\_Euler\_transform}]$   
A204877 11.6593 [  $x*(9*x^3+3*x^2+27*x+1)/(x-1)^2/(x+1)^2 \text{ ogf}]$   
A204877 12.7614 [  $-(27+10*x+6*x^3+9*x^4+108*x^2)/(x-1)/(x+1)/(9*x^3+3*x^2+27*x+1)$   
lgdogf]  
A204879 6.58930 [  $-2*(x^{13}-x^{12}+x^{11}-x^{10}+x^9-x^8+x^7-x^6+x^5+x^4-3)/(x-1)^2$   
ogf]  
A204904 11.5955 [  $(-(2*x^3+3*x^2+6*x+1)/(x^4+x^3-x-1) \lgdogf]$   
A204904 14.6470 [  $2*(x^2+x+1)/(x-1)^2/(x+1)^2 \text{ ogf}]$   
A204904 19.4805 [  $-(1+6*x+2*x^3+3*x^2)/(x-1)/(x+1)/(1+x^2+x) \lgdogf]$   
A204904 33.2710 [  $-x^2+2*x+1 \text{ ogf\_with\_Euler\_transform}]$   
A204904 7.19722 [  $\{(n+4)*a(n+1)+(-n-2)*a(n+3), a(0) = 2, a(1) = 2, a(2) = 6\},$   
ogf]  
A205064 6.47393 [  $-8*(x+1)*(8*x^5-8*x^4+13*x^3+4*x^2-6*x-2)/(2*x-1)^2/(2*x+1)^2$   
ogf]  
A205065 4.31536 [  $2*(x^9-4*x^8+11*x^7+4*x^6-9*x^5+7*x^4+3*x^3+9*x^2+20*x+8)/$   
 $(2*x^9-4*x^8+3*x^6-4*x^5-2*x^3-5*x^2+1) \text{ ogf}]$   
A205084 13.8809 [  $(20*x+11)/(10*x-1)/(x-1) \text{ ogf}]$   
A205084 14.5302 [  $(-141+220*x+200*x^2)/(20*x+11)/(x-1)/(10*x-1) \lgdogf]$   
A205084 7.81800 [  $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 11, a(1) = 141\}, \text{ ogf}]$   
A205084 8.83332 [  $(-200*x^2+220*x-141)/(200*x^3-110*x^2-101*x+11) \lgdogf]$   
A205085 13.8809 [  $(30*x+11)/(10*x-1)/(x-1) \text{ ogf}]$   
A205085 14.5302 [  $(-151+220*x+300*x^2)/(30*x+11)/(x-1)/(10*x-1) \lgdogf]$   
A205085 7.81800 [  $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 11, a(1) = 151\}, \text{ ogf}]$   
A205085 8.94955 [  $(-300*x^2+220*x-151)/(300*x^3-220*x^2-91*x+11) \lgdogf]$   
A205086 13.8809 [  $(40*x+11)/(10*x-1)/(x-1) \text{ ogf}]$   
A205086 14.5302 [  $(-161+220*x+400*x^2)/(40*x+11)/(x-1)/(10*x-1) \lgdogf]$   
A205086 7.81800 [  $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 11, a(1) = 161\}, \text{ ogf}]$   
A205086 8.94955 [  $(-400*x^2+220*x-161)/(400*x^3-330*x^2-81*x+11) \lgdogf]$   
A205087 13.8809 [  $(50*x+11)/(10*x-1)/(x-1) \text{ ogf}]$   
A205087 14.5302 [  $(-171+220*x+500*x^2)/(50*x+11)/(x-1)/(10*x-1) \lgdogf]$   
A205087 7.81800 [  $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 11, a(1) = 171\}, \text{ ogf}]$   
A205087 8.94955 [  $(-500*x^2+220*x-171)/(500*x^3-440*x^2-71*x+11) \lgdogf]$   
A205088 13.8809 [  $(60*x+11)/(10*x-1)/(x-1) \text{ ogf}]$   
A205088 14.5302 [  $(-181+220*x+600*x^2)/(60*x+11)/(x-1)/(10*x-1) \lgdogf]$   
A205088 7.81800 [  $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 11, a(1) = 181\}, \text{ ogf}]$   
A205088 8.94955 [  $(-600*x^2-220*x+181)/(-600*x^3+550*x^2+61*x-11) \lgdogf]$   
A205163 10.2416 [  $-3*(53-390*x+1125*x^2)/(15*x-1)/(3*x-1)/(75*x-13) \lgdogf]$   
A205163 10.4679 [  $(-75*x-13)/(-1+15*x)/(3*x-1) \text{ ogf}]$   
A205163 5.89574 [  $\{a(n+2)-18*a(n+1)+45*a(n), a(0) = 13, a(1) = 159\}, \text{ ogf}]$   
A205163 6.33246 [  $(-(-3375*x^2+1170*x-159)/(-3375*x^3+1935*x^2-309*x+13) \lgdogf]$   
A205164 5.15748 [  $(-392*x^3-1466*x^2+1379*x-159)/(2*x^2-5*x+1)/(42*x^2-57*x+1)$   
ogf]  
A205183 11.7477 [  $(-(-x^4-2*x^3-x^2-x-2)/(-x^5+1) \text{ ogf\_with\_Euler\_transform}]$   
A205184 7.42391 [  $(-9*x^7+x^6-x^5+3*x^4+x^3+3*x^2+8*x+1)/(x-1)/(x+1)/(x^2+1)/$   
 $(x^4-x^2+1) \text{ ogf}]$   
A205185 11.7184 [  $-2*(4+x+x^5+10*x^4-5*x^3-2*x^2)/(x-1)/(x+1)/(x^2+7*x+1)/(x^2-x$   
 $+1) \lgdogf]$   
A205185 11.7566 [  $(-x^2+7*x+1)/(x-1)/(x+1)/(x^2-x+1) \text{ ogf}]$   
A205186 8.23655 [  $-2*(-5-31*x+32*x^4+4*x^3-36*x^2)/(2*x+1)/(2*x-1)/$

$(16x^3+x^2-10x-4)$  lgdogf  
A205186 8.30378 [  $-4*(16x^3+x^2-10x-4)/(2x-1)^2/(2x+1)^2$  ogf]  
A205187 10.9223 [  $\{-a(n+2)+3a(n), a(0) = 16, a(1) = 24\}$ , ogf]  
A205187 11.0904 [  $-(9x^2+12x+3)/(9x^3+6x^2-3x-2)$  lgdogf]  
A205187 16.7645 [  $-8*(3x+2)/(3x^2-1)$  ogf]  
A205187 20.7944  $-3*(x+1)*(3x+1)/(3x+2)/(3x^2-1)$  lgdogf  
A205188 8.59383  $2*(8+31x+4x^6+9x^5+16x^4+22x^3+28x^2)/(x^4-8x^3-7x^2-16x-12)/(x^4+2x^2-1)$  lgdogf  
A205188 9.44512 [  $4*(x^4-8x^3-7x^2-16x-12)/(x^4+2x^2-1)$  ogf]  
A205189 8.21091 [  $8*(x^5-8x^3+2x^2-4x-9)/(x^4-x^3+x^2+x-1)$  ogf]  
A205189 8.43276  $(13+14x+x^8-2x^7+11x^6+x^4+12x^3+3x^2)/(x^4-x^3+x^2+x-1)/(x^5-8x^3+2x^2-4x-9)$  lgdogf  
A205190 6.36544 [  $4*(9x^8+10x^7+12x^6-32x^5-38x^4-12x^3-x^2-42x-36)/(x^6+2x^2-1)$  ogf]  
A205191 4.66629 [  $8*(8x^9+8x^8+10x^7+x^6-33x^5+x^4-17x^3+13x^2-7x-27)/(x^3-x^2+1)/(x^3+x-1)$  ogf]  
A205192 4.43195 [  $4*(56x^{12}+88x^{11}+161x^{10}+110x^9+92x^8-128x^7-192x^6-80x^5-38x^4+4x^3+39x^2-110x-108)/(x^8+2x^2-1)$  ogf]  
A205219 10.2268 [  $-(-12x^2-16x-5)/(-12x^3-11x^2+x+2)$  lgdogf]  
A205219 15.1179 [  $-4*(3x+2)/(4x^2+x-1)$  ogf]  
A205219 18.9511  $-(6x+5)*(2x+1)/(3x+2)/(4x^2+x-1)$  lgdogf  
A205219 8.37858 [  $\{-a(n+2)+a(n+1)+4a(n), a(0) = 8, a(1) = 20\}$ , ogf]  
A205220 14.4881 [  $-4*(8x+5)/(4x^2+x-1)$  ogf]  
A205220 18.0516  $-(13+40x+32x^2)/(8x+5)/(4x^2+x-1)$  lgdogf  
A205220 8.10646 [  $\{a(n+2)-a(n+1)-4a(n), a(0) = 20, a(1) = 52\}$ , ogf]  
A205220 9.86874 [  $-(-32x^2-40x-13)/(-32x^3-28x^2+3x+5)$  lgdogf]  
A205221 3.79903 [  $4*(16x^8-52x^7-284x^6+237x^5+302x^4-129x^3-107x^2+20x+13)/(8x^8+48x^7-64x^6-40x^5+47x^4+11x^3-12x^2-x+1)$  ogf]  
A205248 10.1371 [  $-(-9x^2+12x-5)/(-9x^3+18x^2-11x+2)$  lgdogf]  
A205248 14.4507 [  $-8*(3x-2)/(3x-1)/(x-1)$  ogf]  
A205248 18.0083  $-(5-12x+9x^2)/(x-1)/(3x-1)/(3x-2)$  lgdogf  
A205248 8.08552 [  $\{a(n+2)-4a(n+1)+3a(n), a(0) = 16, a(1) = 40\}$ , ogf]  
A205249 5.36044 [  $\{-a(n+3)+6a(n+2)-7a(n+1)+2a(n), a(0) = 40, a(1) = 168, a(2) = 752\}$ , ogf]  
A205249 9.60927  $-(21-64x+6x^4-36x^3+75x^2)/(x-1)/(2x^2-5x+1)/(3x^2-9x+5)$  lgdogf  
A205249 9.79955 [  $-8*(3x^2-9x+5)/(2x^2-5x+1)/(x-1)$  ogf]  
A205250 6.40480 [  $-4*(3x-2)*(10x^2-25x+14)/(x-1)/(6x^3-15x^2+9x-1)$  ogf]  
A205251 3.92783 [  $-8*(36x^5-244x^4+580x^3-600x^2+270x-41)/(x-1)/(8x^5-48x^4+92x^3-65x^2+16x-1)$  ogf]  
A205257 4.11779 [  $-2*(256x^6+352x^5-180x^4-565x^3-582x^2-187x-120)/(16x^7+20x^6-14x^5-34x^4-32x^3-7x^2-6x+1)$  ogf]  
A205312 5.22292 [  $\{-a(n+3)+6a(n+2)-7a(n+1)+2a(n), a(0) = 20, a(1) = 84, a(2) = 376\}$ , ogf]  
A205312 9.27627  $-(21-64x-36x^3+6x^4+75x^2)/(x-1)/(2x^2-5x+1)/(3x^2-9x+5)$  lgdogf  
A205312 9.46655 [  $-4*(3x^2-9x+5)/(2x^2-5x+1)/(x-1)$  ogf]  
A205313 7.15567 [  $-2*(3x-2)*(10x^2-25x+14)/(x-1)/(6x^3-15x^2+9x-1)$  ogf]  
A205314 3.95782 [  $-4*(36x^5-244x^4+580x^3-600x^2+270x-41)/(x-1)/(8x^5-48x^4+92x^3-65x^2+16x-1)$  ogf]  
A205328 10.6757 [  $2*(2x^2-8x-7)/(8x^2+4x-1)$  ogf]  
A205328 13.0723  $36*(x+1)*(2x+1)/(8x^2+4x-1)/(2x^2-8x-7)$  lgdogf  
A205328 5.53927 [  $\{-a(n+3)+4a(n+2)+8a(n+1), a(0) = 14, a(1) = 72, a(2) = 396\}$ , ogf]  
A205328 7.33954 [  $- (72x^2+108x+36)/(-16x^4+56x^3+90x^2+20x-7)$  lgdogf]  
A205329 11.9154 [  $-18*(9x+4)/(18x^2+6x-1)$  ogf]  
A205329 13.6260  $-3*(11+48x+54x^2)/(9x+4)/(18x^2+6x-1)$  lgdogf  
A205329 6.78901 [  $\{a(n+2)-6a(n+1)-18a(n), a(0) = 72, a(1) = 594\}$ , ogf]  
A205329 7.88993 [  $-(-162x^2-144x-33)/(-162x^3-126x^2-15x+4)$  lgdogf]  
A205342 11.6251 [  $(3x^2+3x+2)/(x-1)^4$  ogf]

A205342 13.8298  $[-(-6*x^2-15*x-11)/(-3*x^3+x+2) \text{ lgdogf}]$   
A205342 21.8688  $-(11+15*x+6*x^2)/(x-1)/(3*x^2+3*x+2) \text{ lgdogf}$   
A205342 4.35941  $[ \{ (-2^n-8)*a(n+4)+(8-n)*a(n+3)+15*a(n+2)+(9+3^n)*a(n+1), a(0) = 2, a(1) = 11, a(2) = 35, a(3) = 82 \}, \text{ ogf}]$   
A205343 10.9592  $[-(-6*x^2-40*x-69)/(-2*x^3-7*x^2-3*x+12) \text{ lgdogf}]$   
A205343 19.5616  $-(69+40*x+6*x^2)/(x-1)/(2*x^2+9*x+12) \text{ lgdogf}$   
A205343 3.59935  $[ \{ (-36-12*n)*a(n+4)+(75+3^n)*a(n+3)+(47+7^n)*a(n+2)+(6+2^n)*a(n+1), a(0) = 0, a(1) = 24, a(2) = 138, a(3) = 454 \}, \text{ ogf}]$   
A205343 8.63844  $[-2*x*(2*x^2+9*x+12)/(x-1)^5 \text{ ogf}]$   
A205344 6.29416  $[ (5*x^4+73*x^3+206*x^2+63*x+5)/(x-1)^6 \text{ ogf}]$   
A205344 9.38648  $-(93+10*x^4+239*x^3+727*x+1043*x^2)/(x-1)/(5*x^4+73*x^3+206*x^2+63*x+5) \text{ lgdogf}$   
A205345 5.24652  $[-2*x*(3*x^4+129*x^3+730*x^2+684*x+136)/(x-1)^7 \text{ ogf}]$   
A205345 8.52794  $-(1636+9*x^4+528*x^3+5564*x+4037*x^2)/(x-1)/(3*x^4+129*x^3+730*x^2+684*x+136) \text{ lgdogf}$   
A205347 3.03023  $[ (3024*x^8-26664*x^7-19371*x^6+4022*x^5+5023*x^4+1416*x^3+11*x^2-110*x-15)/(3*x^2-1)/(3024*x^6+552*x^5-423*x^4-248*x^3-66*x^2+1) \text{ ogf}]$   
A205354 13.0876  $[-2*(10*x-7)/(4*x-1)/(x-1) \text{ ogf}]$   
A205354 15.0688  $-(25-56*x+40*x^2)/(x-1)/(4*x-1)/(10*x-7) \text{ lgdogf}$   
A205354 7.32282  $[ \{ a(n+2)-5*a(n+1)+4*a(n), a(0) = 14, a(1) = 50 \}, \text{ ogf}]$   
A205354 8.78739  $[-(-40*x^2+56*x-25)/(-40*x^3+78*x^2-45*x+7) \text{ lgdogf}]$   
A205355 6.31419  $[ -(882*x^3-1237*x^2+475*x-50)/(x-1)/(6*x-1)/(14*x^2-8*x+1) \text{ ogf}]$   
A205356 4.61885  $[-2*(5652*x^4-10812*x^3+6609*x^2-1450*x+97)/(x-1)/(9*x-1)/(4*x-1)/(12*x^2-9*x+1) \text{ ogf}]$   
A205382 4.89040  $[ 8*(x^2-x+1)*(x^12+2*x^11+4*x^10+3*x^9+4*x^8+4*x^7+7*x^6+4*x^5+4*x^4+3*x^3+4*x^2+2*x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2/(x^4+1)^2 \text{ ogf}]$   
A205383 5.65847  $[-(x^7+8*x^6+4*x^5+8*x^4+2*x^3+8*x^2+4*x+8)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \text{ ogf}]$   
A205424 4.75197  $[ (144*x^5-952*x^4-1335*x^3-327*x^2+87*x+15)/(9*x-1)/(4*x^2+x-1)/(12*x^2+9*x+1) \text{ ogf}]$   
A205425 5.47497  $[-2*(896*x^3+672*x^2-15*x-51)/(4*x^2+x-1)/(48*x^2+15*x-1) \text{ ogf}]$   
A205433 4.11356  $[ -(4914*x^5-3561*x^4-1216*x^3+1166*x^2-238*x+15)/(x-1)/(6*x-1)/(3*x-1)/(7*x-1)/(9*x^2+4*x-1) \text{ ogf}]$   
A205468 5.14329  $[ -(180*x^5+105*x^4-264*x^3-37*x^2+78*x-14)/(3*x-1)/(x-1)/(6*x^2+3*x-1)/(2*x^2+2*x-1) \text{ ogf}]$   
A205492 4.65566  $[-(x^5-x^4-x^3-x^2+1)/(x^3-x^2-2*x+1)/(x^2+x-1)^2/(x-1)^3 \text{ ogf}]$   
A205513 4.41476  $[-3*(22*x^6+18*x^5+12*x^4-202*x^3-75*x^2-120*x-27)/(4*x^7+3*x^6+2*x^5-39*x^4-6*x^3-18*x^2+1) \text{ ogf}]$   
A205579 12.9393  $[ (x+1)*(x^11-x^10-x^8+x^7-x^6+x^5-x^4+x^3-x^2-1)/(x^3+x^2-1) \text{ ogf}]$   
A205583 4.63402  $[ (72*x^6-330*x^5-55*x^4+98*x^3+119*x^2+74*x+14)/(144*x^6-12*x^5-50*x^4-44*x^3-21*x^2+1) \text{ ogf}]$   
A205584 3.88638  $[-2*(1125*x^6+165*x^5-541*x^4+286*x^3+397*x^2+164*x+37)/(250*x^7+30*x^6-107*x^5+83*x^4+82*x^3+24*x^2+3*x-1) \text{ ogf}]$   
A205620 6.60073  $[ 2*(7*x^4-220*x^3+26*x^2+153*x+25)/(28*x^4-40*x^3-40*x^2+1) \text{ ogf}]$   
A205621 5.66642  $[ 2*(172*x^4-2292*x^3-450*x^2+756*x+97)/(112*x^4-48*x^3-72*x^2+1) \text{ ogf}]$   
A205627 5.82754  $[-6*(128*x^4+56*x^3-78*x^2-21*x+12)/(2*x-1)/(2*x^2-1)/(8*x^2+4*x-1) \text{ ogf}]$   
A205646 16.1647  $[-(49*x-17)/(3*x-1)/(x-1) \text{ ogf}]$   
A205646 9.04455  $[ \{ a(n+2)-4*a(n+1)+3*a(n), a(0) = 17, a(1) = 19 \}, \text{ ogf}]$   
A205646 9.99661  $[-(-147*x^2+102*x-19)/(-147*x^3+247*x^2-117*x+17) \text{ lgdogf}]$   
A205650 6.28638  $[ -(9*x^11+8*x^10+3*x^9+x^8+3*x^7+8*x^6+9*x^5+x^4+6*x^3+8*x^2+6*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) \text{ ogf}]$   
A205651 11.0331  $[ -(9*x^4+4*x^3+5*x^2+6*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) \text{ ogf}]$   
A205671 14.8642  $[-x-1+\exp(2*x) \text{ revegef}]$

A205671 42.0154  $-1-x+\exp(2*x)$  revegf  
A205737 3.90504  $[-3*(14*x^6-75*x^5+123*x^4-212*x^3+33*x^2+120*x-27)/(x-1)/(x^3-x^2+4*x-1)/(2*x^3-7*x^2-4*x+1)$  ogf]  
A205802 5.86640  $[72*(x^7+57657600)/(3*x^{11}-11440*x^9-72*x^8+72*x^7+172972800*x^4-4151347200*x+4151347200)$  egf]  
A205806 17.5194  $[-\exp(-x)+\cos(x)$  revegf]  
A205806 45.9333  $-\exp(-x)+\cos(x)$  revegf  
A205817 6.41474  $-(36-50*x+18*x^6-56*x^5+17*x^4+80*x^3-41*x^2)/(x-1)/(1+x)/(2*x^2-4*x+1)/(9*x^3-14*x^2-8*x+11)$  lgdogf  
A205817 7.51772  $[-6*(9*x^3-14*x^2-8*x+11)/(x-1)/(x+1)/(2*x^2-4*x+1)$  ogf]  
A205818 3.79713  $[-6*(23*x^7+5*x^6-197*x^5-188*x^4+187*x^3+177*x^2-29*x-30)/(x^2+x-1)/(2*x^6-2*x^5-14*x^4+11*x^2+2*x-1)$  ogf]  
A205824 3.69854  $[{-27*n^3-189*n^2-438*n-336}*a(n+1)+(n^2+7*n+12)*a(n+2), a(0) = 1, a(1) = 10]$ , ogf]  
A205825 4.33859  $[{-2*n^3-14*n^2-32*n-24}*a(n+1)+(2*n+6)*a(n+2)+(n^2+5*n+4)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 2]$ , ogf]  
A205829 10.1207  $[-3*(3*x^2-3*x+10)/(x^3-x^2+4*x-1)$  ogf]  
A205829 10.2519  $-(37-14*x+3*x^4-6*x^3+21*x^2)/(3*x^2-3*x+10)/(x^3-x^2+4*x-1)$  lgdogf  
A205829 5.36309  $[{a(n+3)-4*a(n+2)+a(n+1)-a(n), a(0) = 30, a(1) = 111, a(2) = 423}]$ , ogf]  
A205830 4.13869  $[{a(n+4)-7*a(n+3)+8*a(n+2)-6*a(n+1), a(0) = 111, a(1) = 630, a(2) = 3642, a(3) = 21126}]$ , ogf]  
A205830 7.16117  $-2*(105-256*x+128*x^4-308*x^3+392*x^2)/(6*x^3-8*x^2+7*x-1)/(2*x^3+40*x^2-49*x+37)$  lgdogf  
A205830 7.89109  $[-3*(2*x^3+40*x^2-49*x+37)/(6*x^3-8*x^2+7*x-1)$  ogf]  
A205919 4.33196  $[-(116*x^6+448*x^5+509*x^4+86*x^3+71*x^2+313*x+76)/(8*x^7+28*x^6+26*x^5-2*x^4+3*x^3+18*x^2+x-1)$  ogf]  
A205960 4.26909  $[(90*x^{17}-90*x^{16}+90*x^{15}-90*x^{14}+90*x^{13}-90*x^{12}+90*x^{11}-90*x^{10}-8*x^8+10*x^7-8*x^6+10*x^5-8*x^4+10*x^3-8*x^2+10*x+1)/(x-1)/(10*x^9-1)$  ogf]  
A205961 10.8488  $-(1+8*x+160*x^4-24*x^2)/(4*x^2-1+x+32*x^5-8*x^3)$  lgdogf  
A205961 11.6071  $[-1/(32*x^5-8*x^3+4*x^2+x-1)$  ogf]  
A205979 4.11356  $[-3*(14*x^6+9*x^5+30*x^4+13*x^3+192*x^2+87*x+27)/(2*x^7+x^6+3*x^5+x^4+35*x^3+10*x^2+2*x-1)$  ogf]  
A205980 3.91162  $[3*(96*x^8+220*x^7-134*x^6-666*x^5-775*x^4+214*x^3+1021*x^2+519*x+141)/(4*x^7+12*x^6-5*x^4-26*x^3-7*x^2-x+1)$  ogf]  
A205981 4.13928  $[-3*(832*x^8-11820*x^7-2312*x^6-14120*x^5-23943*x^4-9974*x^3+9020*x^2+2668*x+744)/(8*x^5+60*x^3-1)$  ogf]  
A205982 4.13513  $[-6*(784*x^8-3136*x^7-15904*x^6-156996*x^5-166592*x^4-92104*x^3+17333*x^2+5584*x+1928)/(84*x^3-1)$  ogf]  
A205991 6.78818  $[-2*(4*x^4-7*x^3+8*x^2+20*x+13)/(x^5-2*x^4+3*x^3+5*x^2+2*x-1)$  ogf]  
A206003 5.48213  $[{-a(n+4)+8*a(n+2)+4*a(n+1), a(0) = 24, a(1) = 78, a(2) = 228, a(3) = 722}]$ , ogf]  
A206003 9.08654  $-(39+228*x+64*x^4+312*x^3+459*x^2)/(4*x^3+8*x^2-1)/(x^3+18*x^2+39*x+12)$  lgdogf  
A206003 9.67435  $[-2*(x^3+18*x^2+39*x+12)/(4*x^3+8*x^2-1)$  ogf]  
A206004 3.64492  $[-2*(13*x^8-48*x^7+x^6+293*x^5-48*x^4-414*x^3-317*x^2+72*x+39)/(x^9-4*x^8+x^7+23*x^6-9*x^5-34*x^4-17*x^3+13*x^2+2*x-1)$  ogf]  
A206012 5.14737  $[(x^{15}-x^{13}+x^{12}-2*x^{10}-2*x^9+2*x^8-x^7-3*x^6-4*x^5+3*x^4+x^3+x^2+x+1)/(x^{15}-3*x^{10}-6*x^5+1)$  ogf]  
A206014 12.3078  $[-8*(20*x+13)/(10*x^2+5*x-1)$  ogf]  
A206014 13.7184  $-5*(17+52*x+40*x^2)/(20*x+13)/(10*x^2+5*x-1)$  lgdogf  
A206014 7.07343  $[{a(n+2)-5*a(n+1)-10*a(n), a(0) = 104, a(1) = 680}]$ , ogf]  
A206014 8.20517  $[{-200*x^2-260*x-85}/(-200*x^3-230*x^2-45*x+13)$  lgdogf]  
A206015 4.25211  $[-8*(512*x^4-1664*x^3+568*x^2+229*x-85)/(2*x-1)/(32*x^4-92*x^3+x^2+12*x-1)$  ogf]

A206047 4.66619 [ $\{a(n+3)-4a(n+2)-7a(n+1)+2a(n), a(0) = 48, a(1) = 255, a(2) = 1338\}$ , ogf]  
A206047 7.92401  $-(85+212*x+12*x^4-84*x^3+75*x^2)/(6*x^2-21*x-16)/(2*x^3-7*x^2-4*x+1)$  lgdogf  
A206047 8.60328 [ $-3*(6*x^2-21*x-16)/(2*x^3-7*x^2-4*x+1)$  ogf]  
A206048 4.59816 [ $-3*(36*x^5-54*x^4+135*x^3-215*x^2+5*x+85)/(4*x^6-6*x^5+15*x^4-24*x^3+x^2+9*x-1)$  ogf]  
A206065 6.43967  $-2*(25-21*x+18*x^6+27*x^5-255*x^4+66*x^3+44*x^2)/(2*x^4-x^2+4*x-1)/(15*x^4+18*x^3+6*x^2-58*x+27)$  lgdogf  
A206065 7.59725 [ $-3*(15*x^4+18*x^3+6*x^2-58*x+27)/(2*x^4-x^2+4*x-1)$  ogf]  
A206066 6.74483 [ $6*(16*x^5+16*x^4+12*x^3+48*x^2-74*x+25)/(8*x^2-7*x+1)$  ogf]  
A206067 3.81616 [ $3*(192*x^8-960*x^7-728*x^6-96*x^5+1935*x^4-3884*x^3+3702*x^2-1396*x+179)/(47*x^4-82*x^3+56*x^2-14*x+1)$  ogf]  
A206078 6.98506 [ $-4*(8*x^3-16*x^2+54*x+31)/(2*x^4-4*x^3+13*x^2+6*x-1)$  ogf]  
A206087 6.71894  $-2*(5-4*x+684*x^6+36*x^5+83*x^4-88*x^3)/(2*x-1)/(38*x^3+x^2+2*x-3)/(18*x^3+3*x^2+2*x-1)$  lgdogf  
A206087 7.02031 [ $-27*(38*x^3+x^2+2*x-3)/(2*x-1)/(18*x^3+3*x^2+2*x-1)$  ogf]  
A206088 5.77764 [ $6*(80*x^5-82*x^4-304*x^3-64*x^2+85*x+45)/(x-1)/(10*x^3+6*x^2-1)$  ogf]  
A206089 7.20129 [ $-12*(368*x^5-208*x^4-346*x^3+380*x^2+168*x+81)/(18*x^3-1)$  ogf]  
A206090 5.91832 [ $12*(1152*x^6+768*x^5+5872*x^4+6030*x^3-1112*x^2-496*x-297)/(34*x^3-1)$  ogf]  
A206091 4.72535 [ $24*(3200*x^7+3840*x^6+3072*x^5+27896*x^4+31926*x^3-1408*x^2-749*x-567)/(66*x^3-1)$  ogf]  
A206092 3.99901 [ $12*(165888*x^8+92160*x^7+95744*x^6+55040*x^5+409968*x^4+535090*x^3-7208*x^2-4536*x-4401)/(130*x^3-1)$  ogf]  
A206111 3.92592 [ $-4*(2304*x^6+1836*x^5-3516*x^4-2877*x^3-238*x^2-35*x+64)/(4*x^2+2*x-1)/(36*x^5+4*x^4-55*x^3-7*x^2-3*x+1)$  ogf]  
A206112 3.57590 [ $4*(3645*x^7-1206*x^6-16011*x^5-1778*x^4+9967*x^3+2373*x^2-737*x-285)/(x-1)/(x^2+x-1)/(45*x^3+19*x^2-1)$  ogf]  
A206113 5.72350 [ $-4*(151065*x^5-48320*x^4-43105*x^3+22149*x^2+5656*x+1507)/(115*x^3-1)$  ogf]  
A206114 4.88326 [ $4*(4418640*x^6+930240*x^5+3191832*x^4+1191063*x^3-130200*x^2-27888*x-7939)/(309*x^3-1)$  ogf]  
A206121 3.92861 [ $-2*(x^8+32*x^7+10*x^6-31*x^5+325*x^4+485*x^3+216*x^2-35*x-25)/(4*x^3+8*x^2-1)/(x^5-2*x^4+3*x^3+5*x^2+2*x-1)$  ogf]  
A206130 3.74913 [ $\{a(n+5)-8a(n+4)+11a(n+3)-4a(n+2), a(0) = 256, a(1) = 564, a(2) = 3092, a(3) = 19660, a(4) = 125236\}$ , ogf]  
A206130 6.70678 [ $4*(72*x^4-26*x^3-349*x^2+371*x-64)/(x-1)/(4*x^2-7*x+1)$  ogf]  
A206131 4.91166 [ $4*(5*x-3)*(36*x^3-148*x^2+165*x-47)/(x-1)/(10*x^3-31*x^2+16*x-1)$  ogf]  
A206143 13.0365 [ $3*(6*x^2+61*x-27)/(3*x-1)$  ogf]  
A206143 15.6519  $2*(10-6*x+9*x^2)/(3*x-1)/(6*x^2+61*x-27)$  lgdogf  
A206143 7.25895 [ $\{-a(n+3)+3a(n+2), a(0) = 81, a(1) = 60, a(2) = 162\}$ , ogf]  
A206143 8.75052 [ $-(18*x^2-12*x+20)/(-18*x^3-177*x^2+142*x-27)$  lgdogf]  
A206144 10.3246 [ $6*(x-2)*(2*x-5)/(2*x^2-5*x+1)$  ogf]  
A206144 13.1673  $(41-36*x+8*x^2)/(2*x-5)/(x-2)/(2*x^2-5*x+1)$  lgdogf  
A206144 5.35348 [ $\{a(n+3)-5a(n+2)+2a(n+1), a(0) = 60, a(1) = 246, a(2) = 1122\}$ , ogf]  
A206144 7.41251 [ $-(8*x^2-36*x+41)/(-4*x^4+28*x^3-67*x^2+59*x-10)$  lgdogf]  
A206145 4.75359 [ $\{-a(n+3)+9a(n+2)-15a(n+1)+6a(n), a(0) = 162, a(1) = 1122, a(2) = 7812\}$ , ogf]  
A206145 7.51496  $-(187-762*x+144*x^4-672*x^3+1110*x^2)/(24*x^2-56*x+27)/(6*x^3-15*x^2+9*x-1)$  lgdogf  
A206145 8.45859 [ $-6*(24*x^2-56*x+27)/(6*x^3-15*x^2+9*x-1)$  ogf]  
A206146 4.81423 [ $-6*(64*x^4-376*x^3+692*x^2-443*x+81)/$

$(8x^5-48x^4+92x^3-65x^2+16x-1)$  ogf]  
A206163 3.26071 [  $(2688x^6-10032x^5-3536x^4+8345x^3+2373x^2-985x-85)/(4x^2+x-1)/(288x^4-180x^3-213x^2+1)$  ogf]  
A206170 6.13012 [  $-(576x^3-626x^2+185x-15)/(x-1)/(6x-1)/(9x-1)/(2x-1)$  ogf]  
A206171 3.53663 [  $-2*(2997x^5-927x^4-1938x^3+398x^2+281x-51)/(3x-1)/(x-1)/(27x^2+12x-1)/(3x^2-1)$  ogf]  
A206190 7.20852 [  $-4*(8x^3+16x^2-26x+31)/(2x^4+4x^3-7x^2+9x-1)$  ogf]  
A206198 5.36110 [  $4*(5440x^6+7224x^5-3234x^4-1830x^3-1284x^2-265x-64)/(100x^3-1)$  ogf]  
A206199 5.83296 [  $4*(64x^5-170x^4+567x^3-82x^2+72x-64)/(2x^5-5x^4+17x^3+3x-1)$  ogf]  
A206200 4.24808 [  $4*(3x^8+9x^7-17x^6-41x^5-38x^4+109x^3-392x^2-265x-120)/(x^7+x^6+x^5-3x^4+14x^3+3x^2-1)$  ogf]  
A206208 6.62292 9\*( $5-4x+684x^6+36x^5+83x^4-88x^3$ )/( $2x-1$ )/( $18x^3+3x^2+2x-1$ )/( $18x^4-177x^3-4x^2-11x+14$ ) lgdogf  
A206208 7.19117 [  $(18x^4-177x^3-4x^2-11x+14)/(2x-1)/(18x^3+3x^2+2x-1)$  ogf]  
A206209 6.54489 [  $(80x^5-82x^4-304x^3-64x^2+85x+45)/(x-1)/(10x^3+6x^2-1)$  ogf]  
A206210 7.57558 [  $-2*(368x^5-208x^4-346x^3+380x^2+168x+81)/(18x^3-1)$  ogf]  
A206211 6.09205 [  $2*(1152x^6+768x^5+5872x^4+6030x^3-1112x^2-496x-297)/(34x^3-1)$  ogf]  
A206212 4.95162 [  $4*(3200x^7+3840x^6+3072x^5+27896x^4+31926x^3-1408x^2-749x-567)/(66x^3-1)$  ogf]  
A206213 3.88136 [  $2*(165888x^8+92160x^7+95744x^6+55040x^5+409968x^4+535090x^3-7208x^2-4536x-4401)/(130x^3-1)$  ogf]  
A206231 3.73518 [  $(378x^7-2793x^6-1366x^5-1585x^4+720x^3+5x^2+60x-15)/(4x-1)/(3x^3+x^2+x-1)/(63x^3+7x^2+3x-1)$  ogf]  
A206233 4.89076 [  $-2*(16860x^6-22668x^5+165x^4+8639x^3-1660x^2-413x-155)/(x-1)/(129x^3-1)$  ogf]  
A206234 4.35620 [  $8*(107163x^7-86751x^6+67251x^5-54141x^4-37425x^3+2680x^2+511x+205)/(x-1)/(339x^3-1)$  ogf]  
A206244 18.1282 [  $1/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A206244 35.3393 [x<sup>10</sup>+1 ogf\_with\_Euler\_transform]  
A206244 8.01783  $-(1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+12x^{10})/(x-1)/(1+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x)$  lgdogf  
A206245 18.1282 [  $1/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A206245 35.3393 [x<sup>10</sup>+1 ogf\_with\_Euler\_transform]  
A206245 8.01783  $-(1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+12x^{10})/(x-1)/(1+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x)$  lgdogf  
A206248 4.63749 [  $\{-a(n+3)+4a(n+2)+12a(n+1)-27a(n), a(0) = 49, a(1) = 361, a(2) = 1600\}$ , ogf]  
A206248 8.18381 [  $-(432x^2-165x-49)/(3x+1)/(9x^2-7x+1)$  ogf]  
A206249 5.81166 [  $-(129600x^3-52695x^2+1170x+361)/(45x^2-1)/(45x^2-19x+1)$  ogf]  
A206250 3.18618 [  $-16*(26873856x^5-5866992x^4-333072x^3+108684x^2-3441x-100)/(1296x^3+144x^2-12x-1)/(1296x^3-432x^2+40x-1)$  ogf]  
A206260 7.01008 [  $(x^5-14x^4+18x^3+18x^2-40x+16)/(x^2+x-1)/(x-1)^3$  ogf]  
A206260 7.67207 [  $(24-76x+12x^6-14x^5-29x^4+32x^3+54x^2)/(x-1)/(x^2+x-1)/(x^5-14x^4+18x^3+18x^2-40x+16)$  lgdogf]  
A206261 7.60442 [  $(5x^5-27x^4+36x^3+8x^2-44x+24)/(x+1)/(x-1)^4$  ogf]  
A206261 9.67071  $4*(-7-x+3x^5-4x^4-6x^3+11x^2)/(x-1)/(1+x)/(5x^5-27x^4+36x^3+8x^2-44x+24)$  lgdogf  
A206262 6.63825 [  $(11x^6-58x^5+102x^4-43x^3-72x^2+92x-34)/(x+1)/(x-1)^5$  ogf]  
A206263 5.22801 [  $(20x^7-114x^6+240x^5-184x^4-89x^3+265x^2-186x+50)/(x$

+1)/(x-1)^6 ogf]  
A206264 4.58239 [  
(36\*x^8-232\*x^7+591\*x^6-683\*x^5+144\*x^4+543\*x^3-668\*x^2+339\*x-72)/(x+1)/(x-1)^7  
ogf]  
A206265 3.54074 [  
(60\*x^9-436\*x^8+1302\*x^7-1938\*x^6+1135\*x^5+791\*x^4-1953\*x^3+1543\*x^2-607\*x+105)/  
(x+1)/(x-1)^8 ogf]  
A206266 3.51457 [  
(101\*x^10-826\*x^9+2862\*x^8-5271\*x^7+4927\*x^6-512\*x^5-4340\*x^4+5422\*x^3-3269\*x^2+  
1058\*x-154)/(x+1)/(x-1)^9 ogf]  
A206268 10.5149 [(x-1)\*(2\*x^2-1)/(x^2+x-1)^2 ogf]  
A206268 9.20053 [-(2\*x^4+6\*x^3-3\*x^2+x-1)/(-2\*x^5+5\*x^3-2\*x^2-2\*x+1) lgdogf]  
A206270 4.31847 [-3\*(88\*x^6+174\*x^5+431\*x^4+476\*x^3+249\*x^2+102\*x+27)/  
(16\*x^7+29\*x^6+66\*x^5+58\*x^4+20\*x^3+6\*x^2-1) ogf]  
A206278 10.5092 [128\*x^2\*(32\*x^2-1)/(4\*x-1)/(2\*x+1)/(2\*x-1)/(8\*x-1)/(4\*x+1)  
ogf]  
A206282 7.09986 [(x^7+x^6+x^5+3\*x^4+2\*x^3+x^2-x-1)/(x-1)/(x^2+x+1)/  
(x^6+3\*x^3+1) ogf]  
A206300 13.6286 -x\*2^(1/2)/(1+(1+16\*x)^(1/2))^(1/2) revogf  
A206300 3.54623 [{(108\*n^2+216\*n+96)\*a(n+1)+(-n^2-5\*n-6)\*a(n+3), a(0) = -1, a(1)  
= 2, a(2) = 6}, ogf]  
A206300 7.96448 [-x\*2^(1/2)/(1+(1+16\*x)^(1/2))^(1/2) revogf]  
A206304 15.2859 [x-ln(x+1)^2 revegf]  
A206304 55.2848 x-ln(1+x)^2 revegf  
A206307 3.49037 [{(-4\*n^2-26\*n-42)\*a(n+1)+(-4\*n^2-34\*n-71)\*a(n+2)+a(n+3), a(0) =  
0, a(1) = 6, a(2) = 246}, ogf]  
A206308 3.56357 [{(4\*n^2+26\*n+42)\*a(n+1)+(4\*n^2+34\*n+71)\*a(n+2)-a(n+3), a(0) =  
1, a(1) = 19, a(2) = 799}, ogf]  
A206320 3.85383 [-4\*(8\*x^7+154\*x^6+500\*x^5+511\*x^4+482\*x^3-78\*x^2-240\*x+64)/  
(14\*x^7+42\*x^6+19\*x^5+42\*x^4-26\*x^3-5\*x^2+9\*x-1) ogf]  
A206335 6.91852 [-9\*x^5-9\*x^4-340\*x^3+569\*x^2+11\*x-192)/(x-1)/(3\*x-1)/(3\*x+1)  
ogf]  
A206336 5.68681 [(2\*x^9+4\*x^8-x^7-9\*x^6-19\*x^5+3\*x^4+129\*x^3-217\*x^2-96\*x+192)/  
(x-1)/(3\*x^2-1) ogf]  
A206337 6.24046 [(2\*x^10+2\*x^9-3\*x^6-3\*x^5-x^4+47\*x^3-237\*x^2+85\*x+96)/(x-1)/  
(3\*x^2-1) ogf]  
A206338 6.52032 [(2\*x^11+2\*x^10-3\*x^5+x^4+11\*x^3-257\*x^2-223\*x+455)/(x-1)/  
(3\*x^2-1) ogf]  
A206339 4.41408 [  
(2\*x^12+10\*x^11+8\*x^10-8\*x^9+8\*x^8-8\*x^7+8\*x^6-20\*x^5+9\*x^4+185\*x^3-740\*x^2+238\*x  
+296)/(x-1)/(3\*x^2-1) ogf]  
A206340 5.44877 [(18\*x^13+18\*x^12-36\*x^6-12\*x^5+24\*x^4+97\*x^3-807\*x^2-690\*x  
+1376)/(x-1)/(3\*x^2-1) ogf]  
A206351 10.4003 [(5\*x-1)/(x-1)/(x^2-7\*x+1) ogf]  
A206351 10.7846 [-(3+16\*x+10\*x^3-43\*x^2)/(x-1)/(5\*x-1)/(x^2-7\*x+1) lgdogf]  
A206351 4.87800 [{a(n+3)-8\*a(n+2)+8\*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 16},  
ogf]  
A206351 6.40947 [-(10\*x^3-43\*x^2+16\*x-3)/(5\*x^4-41\*x^3+48\*x^2-13\*x+1) lgdogf]  
A206353 4.19377 [{-a(n+5)+6\*a(n+4)+13\*a(n+3)-18\*a(n+2), a(0) = 1, a(1) = 4, a(2)  
= 17, a(3) = 120, a(4) = 884}, ogf]  
A206353 6.40291 2\*(2-7\*x+135\*x^6-195\*x^5+149\*x^4+162\*x^3-4\*x^2)/(x-1)/  
(18\*x^2+5\*x-1)/(15\*x^4-16\*x^3-20\*x^2-2\*x+1) lgdogf  
A206353 7.72268 [(15\*x^4-16\*x^3-20\*x^2-2\*x+1)/(x-1)/(18\*x^2+5\*x-1) ogf]  
A206354 4.86064 [-33\*x^5+69\*x^4+2\*x^3-22\*x^2+x+1)/(x-1)/  
(30\*x^4+63\*x^3+5\*x^2-15\*x+1) ogf]  
A206371 10.2955 [-(66\*x^2+128\*x-63)/(-66\*x^3+163\*x^2-129\*x+32) lgdogf]  
A206371 16.2100 [-33\*x-32)/(x-1)/(2\*x-1) ogf]  
A206371 17.8158 [-(63-128\*x+66\*x^2)/(x-1)/(2\*x-1)/(33\*x-32) lgdogf]  
A206371 9.06987 [{a(n+2)-3\*a(n+1)+2\*a(n), a(0) = 32, a(1) = 63}, ogf]  
A206372 10.0566 [-(40\*x^2+104\*x-55)/(-40\*x^3+102\*x^2-75\*x+13) lgdogf]  
A206372 15.6198 [-(10\*x-13)/(4\*x-1)/(x-1) ogf]

A206372 17.1766  $-(55-104*x+40*x^2)/(x-1)/(4*x-1)/(10*x-13)$  lgdogf  
A206372 8.73964  $[{-a(n+2)+5*a(n+1)-4*a(n), a(0) = 13, a(1) = 55}]$ , ogf]  
A206373 10.9442  $[{-(-24*x^2+40*x-19)/(-24*x^3+50*x^2-31*x+5)}$  lgdogf]  
A206373 17.0243  $[ -(6*x-5)/(4*x-1)/(x-1)$  ogf]  
A206373 19.3133  $-(19-40*x+24*x^2)/(6*x-5)/(x-1)/(4*x-1)$  lgdogf  
A206373 9.23004  $[{a(n+2)-5*a(n+1)+4*a(n), a(0) = 5, a(1) = 19}]$ , ogf]  
A206374 11.0499  $[{-(-4*x^2+16*x-9)/(-4*x^3+13*x^2-11*x+2)}$  lgdogf]  
A206374 16.4520  $[ -(x-2)/(4*x-1)/(x-1)$  ogf]  
A206374 20.7848  $-(9-16*x+4*x^2)/(x-1)/(x-2)/(4*x-1)$  lgdogf  
A206374 9.02856  $[{-a(n+2)+5*a(n+1)-4*a(n), a(0) = 2, a(1) = 9}]$ , ogf]  
A206377 4.28775  $[ -(10320*x^4-16640*x^3+8706*x^2-1691*x+85)/(x-1)/(2*x-1)/$   
 $(21*x-1)/(24*x^2-12*x+1)$  ogf]  
A206384 5.25053  $[ (405*x^5-571*x^4-326*x^3+160*x^2+17*x-1)/(x-1)/$   
 $(486*x^3-151*x^2-20*x+1)$  ogf]  
A206391 3.86291  $[{a(n+5)-6*a(n+4)-18*a(n+3)+32*a(n+2), a(0) = 1, a(1) = 4, a(2)$   
 $= 26, a(3) = 206, a(4) = 1592}]$ , ogf]  
A206391 7.16052  $[ (16*x^4+10*x^3-16*x^2-2*x+1)/(32*x^3-18*x^2-6*x+1)$  ogf]  
A206397 12.1664  $[ -1/3*x^3+\ln(x+1)$  revegfg]  
A206397 31.9747  $-1/3*x^3+\ln(1+x)$  revegfg  
A206399 11.3784  $[ -(x+1)*(x^2+39*x+1)/(x-1)^3$  ogf]  
A206399 11.5409  $[ -(43*x^2+160*x+43)/(x^4+39*x^3-39*x-1)$  lgdogf]  
A206399 18.4444  $-(43+160*x+43*x^2)/(x-1)/(1+x)/(x^2+39*x+1)$  lgdogf  
A206399 5.89682  $[{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 43, a(2) =$   
 $166, a(3) = 371}]$ , ogf]  
A206401 13.4282  $[ \exp(x)-\exp(3/2*x^2)$  revegfg]  
A206401 33.3153  $\exp(x)-\exp(3/2*x^2)$  revegfg  
A206402 16.2255  $[ \exp(x)-\exp(2*x^2)$  revegfg]  
A206402 41.3153  $\exp(x)-\exp(2*x^2)$  revegfg  
A206404 14.3314  $[ -\exp(-x)+\exp(-x^2)$  revegfg]  
A206404 37.5748  $-\exp(-x)+\exp(-x^2)$  revegfg  
A206407 7.16599  $[ -3*(28*x^3+9*x^2-102*x+27)/(4*x^2-7*x+1)/(x^2+2*x-1)$  ogf]  
A206408 3.81210  $[ -3*(170*x^5-689*x^4+298*x^3+1266*x^2-946*x+141)/$   
 $(10*x^3-31*x^2+16*x-1)/(x^3-x^2-3*x+1)$  ogf]  
A206417 10.4051  $[ -(2*x^3+9*x^2-7)/(x^4+3*x^3-2*x^2-5*x+3)$  lgdogf]  
A206417 16.1386  $[ x*(x+3)/(x^2+x-1)/(x-1)$  ogf]  
A206417 18.5704  $-(1+x)*(2*x^2+7*x-7)/(x-1)/(x+3)/(x^2+x-1)$  lgdogf  
A206417 8.50313  $[{a(n+3)-2*a(n+2)+a(n), a(0) = 0, a(1) = 3, a(2) = 7}]$ , ogf]  
A206419 11.6598  $[ -(4*x^2-22*x-7)/(4*x^3-7*x^2-15*x+11)$  lgdogf]  
A206419 16.9828  $[ (4*x-11)/(x^2+x-1)$  ogf]  
A206419 21.9107  $-( -7-22*x+4*x^2)/(4*x-11)/(x^2+x-1)$  lgdogf  
A206419 9.41213  $[{-a(n+2)+a(n+1)+a(n), a(0) = 11, a(1) = 7}]$ , ogf]  
A206420 11.7133  $[ -(3*x^2-22*x-8)/(3*x^3-8*x^2-14*x+11)$  lgdogf]  
A206420 17.0607  $[ (3*x-11)/(x^2+x-1)$  ogf]  
A206420 22.0131  $-( -8-22*x+3*x^2)/(3*x-11)/(x^2+x-1)$  lgdogf  
A206420 9.45531  $[{-a(n+2)+a(n+1)+a(n), a(0) = 11, a(1) = 8}]$ , ogf]  
A206422 11.7133  $[ -(2*x^2-22*x-9)/(2*x^3-9*x^2-13*x+11)$  lgdogf]  
A206422 17.0607  $[ (2*x-11)/(x^2+x-1)$  ogf]  
A206422 22.0131  $-( -9-22*x+2*x^2)/(2*x-11)/(x^2+x-1)$  lgdogf  
A206422 9.45531  $[{-a(n+2)+a(n+1)+a(n), a(0) = 11, a(1) = 9}]$ , ogf]  
A206423 11.6598  $[ -( -5*x^2+24*x+7)/( -5*x^3+7*x^2+17*x-12)$  lgdogf]  
A206423 16.9828  $[ (5*x-12)/(x^2+x-1)$  ogf]  
A206423 21.9107  $-( -7-24*x+5*x^2)/(5*x-12)/(x^2+x-1)$  lgdogf  
A206423 9.41213  $[{-a(n+2)+a(n+1)+a(n), a(0) = 12, a(1) = 7}]$ , ogf]  
A206450 13.1179  $[ -(x^3-4)/(x^4-4*x+1)$  ogf]  
A206450 15.3715  $-(16+x^6-8*x^3-3*x^2)/(x^4-4*x+1)/(x^3-4)$  lgdogf  
A206450 7.47413  $[ -(x^6-8*x^3-3*x^2+16)/(x^7-8*x^4+x^3+16*x-4)$  lgdogf]  
A206451 12.1159  $[ -(x^4-5)/(x^5-5*x+1)$  ogf]  
A206451 13.8453  $-(25+x^8-10*x^4-4*x^3)/(x^4-5)/(x^5-5*x+1)$  lgdogf  
A206451 6.74638  $[ -(x^8-10*x^4-4*x^3+25)/(x^9-10*x^5+x^4+25*x-5)$  lgdogf]  
A206452 12.0441  $[ -(x^5-6)/(x^6-6*x+1)$  ogf]  
A206453 12.8388  $[ -(x^6-7)/(x^7-7*x+1)$  ogf]



A206454 12.1984 [  $-(x^7-8)/(x^8-8*x+1)$  ogf]  
A206466 6.62220 [  $-(6912*x^3-4496*x^2+80*x+121)/(4*x+1)/(4*x-1)/(16*x^2-11*x+1)$  ogf]  
A206467 3.39409 [  $-9*(186624*x^5-91008*x^4-14400*x^3+8700*x^2-490*x-49)/(144*x^3+36*x^2-6*x-1)/(144*x^3-108*x^2+21*x-1)$  ogf]  
A206481 7.63978 [  $x*(x^4-3*x^3+10*x^2-3*x+1)/(x^2+1)/(x-1)^4$  ogf]  
A206481 9.98080 [  $-(1+9*x+2*x^6-7*x^5+37*x^4-14*x^3+20*x^2)/(x-1)/(x^2+1)/(x^4-3*x^3+10*x^2-3*x+1)$  lgdogf]  
A206505 4.12221 [  $-3*(6*x^6-33*x^5+59*x^4-101*x^3+28*x^2+60*x-27)/(x-1)/(x^3-x^2+4*x-1)/(2*x^3-7*x^2-4*x+1)$  ogf]  
A206514 3.96985 [  $(8*x^6-18*x^5-80*x^4-182*x^3-157*x^2-84*x+15)/(2*x^3+3*x^2+3*x-1)/(12*x^3+15*x^2+15*x-1)$  ogf]  
A206525 10.5479 [  $(51*x^2+11*x+51)/(x+1)/(x-1)^2$  ogf]  
A206525 5.81953 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 51, a(1) = 62, a(2) = 164\}$ , ogf]  
A206525 8.33414 [  $-(-51*x^3-73*x^2-266*x-62)/(-51*x^4-11*x^3+11*x+51)$  lgdogf]  
A206526 12.2395 [  $(31*x^2+75*x+31)/(x+1)/(x-1)^2$  ogf]  
A206526 6.69510 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 31, a(1) = 106, a(2) = 168\}$ , ogf]  
A206526 9.43767 [  $-(-31*x^3-181*x^2-230*x-106)/(-31*x^4-75*x^3+75*x+31)$  lgdogf]  
A206527 4.26004 [  $\{a(n+4)-3*a(n+3)-90*a(n+2)+270*a(n+1), a(0) = 11, a(1) = 33, a(2) = 99, a(3) = 2727\}$ , ogf]  
A206527 8.11711 [  $(2430*x^3-990*x^2+11)/(3*x-1)/(90*x^2-1)$  ogf]  
A206529 3.94924 [  $-(23529800000*x^6-1512630000*x^5-21609000*x^4-308700*x^3-4410*x^2-11)/(7*x-1)/(11764900000*x^6-1)$  ogf]  
A206531 3.29026 [  $\{(-4*n^2-22*n-30)*a(n+1)+(-4*n^2-30*n-55)*a(n+2)+a(n+3), a(0) = 0, a(1) = 2, a(2) = 58\}$ , ogf]  
A206532 3.44590 [  $\{(4*n^2+22*n+30)*a(n+1)+(4*n^2+30*n+55)*a(n+2)-a(n+3), a(0) = 1, a(1) = 11, a(2) = 331\}$ , ogf]  
A206535 5.08239 [  $-3*(18*x^7+111*x^6+226*x^5+118*x^4-24*x^3-148*x^2-56*x+27)/(6*x^2+3*x-1)/(3*x-1)/(x-1)$  ogf]  
A206543 15.5088 [  $x^9-2*x^4-x+3$  ogf\_with\_Euler\_transform]  
A206543 5.52537 [  $-(x^4+x^3+x^2+x+1)/(x-1)/(x^4-x^3+x^2-x+1)$  ogf]  
A206544 19.9343 [  $x^{11}-2*x^5-x+3$  ogf\_with\_Euler\_transform]  
A206544 7.31173 [  $-(x^2+x+1)*(x^2-x+1)*(x+1)^2/(x-1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A206545 24.8031 [  $x^{15}-2*x^7-x+3$  ogf\_with\_Euler\_transform]  
A206545 7.75901 [  $-(x^4+1)*(x^2+1)*(x+1)^2/(x-1)/(x^8+1)$  ogf]  
A206546 8.87312 [  $-(x^6+6*x^5+5*x^4+8*x^3+5*x^2+6*x+1)/(x-1)/(x^4+1)/(x^2+1)$  ogf]  
A206547 6.10999 [  $(x^{12}+4*x^{11}+6*x^{10}+2*x^9+4*x^8+2*x^7+4*x^6+2*x^5+4*x^4+2*x^3+6*x^2+4*x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A206548 6.67161 [  $-(x^8+3*x^7+3*x^6+8*x^4+3*x^2+3*x+1)/(x-1)/(x^2+1)/(x^2-x+1)/(x^4-x^2+1)$  ogf]  
A206555 15.9680 [  $-(-x^5+x^4+x)/(x-1)$  ogf\_with\_Euler\_transform]  
A206556 16.4483 [  $-(-x^6-x^5-x)/(-x+1)$  ogf\_with\_Euler\_transform]  
A206558 15.5571 [  $-(-x^8-x^7-x)/(-x+1)$  ogf\_with\_Euler\_transform]  
A206559 15.5489 [  $-(-x^9+x^8+x)/(x-1)$  ogf\_with\_Euler\_transform]  
A206564 11.7373 [  $-(-x^2-28*x-13)/(x^3-13*x^2-15*x+14)$  lgdogf]  
A206564 17.6060 [  $(x-14)/(x^2+x-1)$  ogf]  
A206564 9.64138 [  $\{-a(n+2)+a(n+1)+a(n), a(0) = 14, a(1) = 13\}$ , ogf]  
A206565 10.2906 [  $-(2*x-37)/(x^2-37*x+1)$  lgdogf]  
A206565 15.1332 [  $1/(x^2-37*x+1)$  ogf]  
A206565 21.8999 [  $-(-37+2*x)/(x^2+1-37*x)$  lgdogf]  
A206565 6.12536 [  $\{-a(n+2)+37*a(n+1)-a(n), a(0) = 1, a(1) = 37\}$ , ogf]  
A206568 4.86714 [  $-(-4*x^8+6*x^7+9*x^6+4*x^5+5*x^4+6*x^3+x^2+x+1)/(4*x^4-3*x^3+2*x-1)/(16*x^8+12*x^7+9*x^6+16*x^5+10*x^4+6*x^3+4*x^2+2*x+1)$  ogf]  
A206570 7.70325 [  $-(x^6-2*x^4+3*x^2-4)/(x^7-2*x^5+3*x^3-4*x+1)$  ogf]  
A206603 13.2867 [  $-(12*x^2+4*x-1+(-(-1+2*x)*(2*x+1))^(1/2))/x/(2*x+1)/(-1+2*x)$  lgdogf]

A206603 3.54272 [  $\{(-8n^2-40n-48)a(n+1)+(4n^2+12n)a(n+2)+(2n^2+16n+26)a(n+3)+(-n^2-6n-8)a(n+4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 4\}$ , ogf]  
A206603 9.03592 [  $-(12x^2+(-4x^2+1)^{1/2}+4x-1)/x/(2x+1)/(2x-1)$  lgdogf]  
A206605 11.6334 [  $-(3x^2-28x-11)/(3x^3-11x^2-17x+14)$  lgdogf]  
A206605 17.4502 [  $(3x-14)/(x^2+x-1)$  ogf]  
A206605 9.55605 [  $\{-a(n+2)+a(n+1)+a(n), a(0) = 14, a(1) = 11\}$ , ogf]  
A206607 11.5815 [  $-(2x^2-26x-11)/(2x^3-11x^2-15x+13)$  lgdogf]  
A206607 17.3723 [  $(2x-13)/(x^2+x-1)$  ogf]  
A206607 21.7997 [  $(-11-26x+2x^2)/(2x-13)/(x^2+x-1)$  lgdogf]  
A206607 9.51339 [  $\{-a(n+2)+a(n+1)+a(n), a(0) = 13, a(1) = 11\}$ , ogf]  
A206608 11.5296 [  $-(3x^2-26x-10)/(3x^3-10x^2-16x+13)$  lgdogf]  
A206608 17.2944 [  $(3x-13)/(x^2+x-1)$  ogf]  
A206608 21.7002 [  $(-10-26x+3x^2)/(3x-13)/(x^2+x-1)$  lgdogf]  
A206608 9.47073 [  $\{-a(n+2)+a(n+1)+a(n), a(0) = 13, a(1) = 10\}$ , ogf]  
A206609 11.7668 [  $-(4x^2-26x-9)/(4x^3-9x^2-17x+13)$  lgdogf]  
A206609 17.1386 [  $(4x-13)/(x^2+x-1)$  ogf]  
A206609 22.1154 [  $(-9-26x+4x^2)/(4x-13)/(x^2+x-1)$  lgdogf]  
A206609 9.49848 [  $\{-a(n+2)+a(n+1)+a(n), a(0) = 13, a(1) = 9\}$ , ogf]  
A206610 11.7133 [  $-(5x^2-26x-8)/(5x^3-8x^2-18x+13)$  lgdogf]  
A206610 17.0607 [  $(5x-13)/(x^2+x-1)$  ogf]  
A206610 22.0131 [  $(-8-26x+5x^2)/(5x-13)/(x^2+x-1)$  lgdogf]  
A206610 9.45531 [  $\{-a(n+2)+a(n+1)+a(n), a(0) = 13, a(1) = 8\}$ , ogf]  
A206611 11.7133 [  $-(6x^2-26x-7)/(6x^3-7x^2-19x+13)$  lgdogf]  
A206611 17.0607 [  $(6x-13)/(x^2+x-1)$  ogf]  
A206611 22.0131 [  $(-7-26x+6x^2)/(6x-13)/(x^2+x-1)$  lgdogf]  
A206611 9.45531 [  $\{-a(n+2)+a(n+1)+a(n), a(0) = 13, a(1) = 7\}$ , ogf]  
A206612 11.6598 [  $-(7x^2-26x-6)/(7x^3-6x^2-20x+13)$  lgdogf]  
A206612 16.9828 [  $(7x-13)/(x^2+x-1)$  ogf]  
A206612 21.9107 [  $(-6-26x+7x^2)/(7x-13)/(x^2+x-1)$  lgdogf]  
A206612 9.41213 [  $\{-a(n+2)+a(n+1)+a(n), a(0) = 13, a(1) = 6\}$ , ogf]  
A206614 6.24093 [  $(42x^4-99x^3+48x^2-12x+14)/(42x^4-36x^3+5x^2-7x+1)$  ogf]  
A206622 9.30578 [  $-(2x^4+7x^3+12x^2+7x+2)/(x^6-3x^4+3x^2-1)$  ogf\_with\_Euler\_transform]  
A206623 6.90596 [  $-(2x^6+15x^5+46x^4+60x^3+46x^2+15x+2)/(-x^8+4x^6-6x^4+4x^2-1)$  ogf\_with\_Euler\_transform]  
A206625 7.31120 [  $-x(x-1)(x^2-x+1)(x+1)^3/(x^8-2x^6-2x^4-2x^2+1)$  ogf]  
A206628 3.99732 [  $\{a(n+4)-8a(n+3)-8a(n+2)-6a(n+1), a(0) = 14, a(1) = 121, a(2) = 1085, a(3) = 9729\}$ , ogf]  
A206628 7.36081 [  $(121+234x+54x^4+156x^3+275x^2)/(3x^3-5x^2-9x-14)/(6x^3+8x^2+8x-1)$  lgdogf]  
A206628 8.05174 [  $(3x^3-5x^2-9x-14)/(6x^3+8x^2+8x-1)$  ogf]  
A206629 5.23893 [  $-(216x^4+44x^3+596x^2+328x+121)/(48x^5+8x^4+132x^3+68x^2+24x-1)$  ogf]  
A206641 11.8203 [  $-(5x^2-28x-9)/(5x^3-9x^2-19x+14)$  lgdogf]  
A206641 17.2165 [  $(5x-14)/(x^2+x-1)$  ogf]  
A206641 9.54166 [  $\{-a(n+2)+a(n+1)+a(n), a(0) = 14, a(1) = 9\}$ , ogf]  
A206661 3.99455 [  $-3(56x^6-126x^5-202x^4+352x^3-21x^2-102x+27)/(x-1)/(8x^6-14x^5-42x^4+29x^3+10x^2-8x+1)$  ogf]  
A206678 7.66768 [  $-3(44x^3+36x^2+102x+27)/(8x^4+4x^3+16x^2-1)$  ogf]  
A206679 4.80053 [  $18(2x^5-14x^4-35x^3-35x^2-45x-17)/(6x^5+12x^4+11x^3+13x^2+3x-1)$  ogf]  
A206687 11.0562 [  $2(2+3x+4x^4+4x^3+2x^2)/(x-1)/(2x+1)/(1+x)/(4x^2+2x-1)$  lgdogf]  
A206687 11.2698 [  $(x-1)(2x+1)(x+1)/(4x^2+2x-1)$  ogf]  
A206687 5.92637 [  $\{-a(n+4)+2a(n+3)+4a(n+2), a(0) = 1, a(1) = 4, a(2) = 11, a(3) = 36\}$ , ogf]  
A206687 7.47238 [  $(-8x^4+8x^3+4x^2+6x+4)/(-8x^5-8x^4+8x^3+9x^2-1)$  lgdogf]  
A206694 5.66874 [  $-(x^5-3x^4-9x^3+26x^2-9)/(x^3+3x^2-1)/(x^3-6x^2+9x-1)$  ogf]  
A206723 15.2486 [  $(-(-2x^3+x^2+8x-5)/(-x^4+3x^3-3x+1))$  lgdogf]

A206723 20.7151 [  $-7*(x+1)/(x-1)/(x^2-3*x+1)$  ogf]  
A206723 25.8076  $-(5-8*x+2*x^3-x^2)/(x-1)/(1+x)/(x^2-3*x+1)$  lgdogf  
A206723 9.54696 [  $\{a(n+3)-4*a(n+2)+4*a(n+1)-a(n), a(0) = 7, a(1) = 35, a(2) = 112\}$ , ogf]  
A206727 9.02959  $-(9-4*x+x^8-4*x^6+10*x^4+4*x^3-12*x^2)/(x^4-2*x^2+3)/(x^5-2*x^3+3*x-1)$  lgdogf  
A206727 9.92468 [  $-(x^4-2*x^2+3)/(x^5-2*x^3+3*x-1)$  ogf]  
A206739 6.89145 [  $(x^{20}-x^{16}-x^9-x^4+1)/(x-1)/(x^{19}+x^{18}+x^{17}+2*x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+2*x^9+x^8+x^7+x^6+x^5+x^4-1)$  ogf]  
A206741 3.91194 [  $(x^{12}-x^{11}-x^{10}-x^9+x^8-x^7-x^6+x^5-x^4+x^3+x^2+x-1)/(2*x^{12}-x^{10}-2*x^9+2*x^8-x^7-2*x^6+x^5-2*x^4+x^2+2*x-1)$  ogf]  
A206742 4.57341 [  $-(x-1)*(x^{14}+2*x^{13}+2*x^{12}+2*x^{11}+x^{10}+2*x^9+2*x^8+2*x^7+x^6+x^5+x^4-x^2-x-1)/(x^{16}-x^{15}-x^{14}-x^{12}+x^{11}-x^{10}-x^8+x^7-x^5+x^4+x^3+x-1)$  ogf]  
A206743 6.84631 [  $(x^{14}-x^{12}-x^5-x^2+1)/(x-1)/(x^{13}+2*x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+2*x^5+x^4+x^3+x^2-1)$  ogf]  
A206745 4.98946 [  $-32*(126*x^4-126*x^3-45*x^2+61*x-8)/(x-1)/(14*x^2-11*x+1)/(6*x^2+3*x-1)$  ogf]  
A206754 5.72378 [  $(6*x^5-19*x^4+23*x^3-49*x^2-8*x-14)/(12*x^5-2*x^4+34*x^3+5*x^2+7*x-1)$  ogf]  
A206776 11.3015 [  $-(6*x^2-8*x-3)/(6*x^3+5*x^2-9*x+2)$  lgdogf]  
A206776 16.0733 [  $(3*x-2)/(2*x^2+3*x-1)$  ogf]  
A206776 8.82071 [  $\{-a(n+2)+3*a(n+1)+2*a(n), a(0) = 2, a(1) = 3\}$ , ogf]  
A206780 3.29148 [  $-(2*x^{10}-5*x^9-13*x^8+34*x^7+21*x^6-76*x^5+8*x^4+61*x^3-43*x^2+7)/(x+1)/(x^2-3*x+1)/(2*x^2+3*x-1)/(x^2+x-1)/(x^2-x-1)/(x-1)^2$  ogf]  
A206790 10.9467 [  $-(x^2+4)/(x^3-x^2+4*x-1)$  ogf]  
A206790 14.2191  $-(16-6*x+x^4+8*x^2)/(x^3-x^2+4*x-1)/(x^2+4)$  lgdogf  
A206790 5.47336 [  $\{a(n+3)-4*a(n+2)+a(n+1)-a(n), a(0) = 4, a(1) = 16, a(2) = 61\}$ , ogf]  
A206790 6.93292 [  $-(-x^4-8*x^2+6*x-16)/(-x^5+x^4-8*x^3+5*x^2-16*x+4)$  lgdogf]  
A206791 4.46960 [  $-(x^5+4*x^4-9*x^3-57*x^2-16*x-16)/(x^3+7*x^2+14*x-1)/(x^3-4*x^2+x-1)$  ogf]  
A206806 17.6321  $-2*(2+7*x+5*x^3+6*x^2)/(x-1)/(1+x)/(2*x^2+x+1)$  lgdogf  
A206806 8.88199 [  $-(2*x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A206806 9.95211 [  $-(10*x^3+12*x^2+14*x+4)/(2*x^4+x^3-x^2-x-1)$  lgdogf]  
A206808 10.5425 [  $-(3*x^2+42*x+45)/(x^3+9*x^2-3*x-7)$  lgdogf]  
A206808 19.4806  $-3*(15+14*x+x^2)/(x-1)/(x^2+10*x+7)$  lgdogf  
A206808 8.69756 [  $-(x^2+10*x+7)/(x-1)^5$  ogf]  
A206809 10.5621 [  $-(4*x^2+52*x+52)/(x^3+9*x^2-3*x-7)$  lgdogf]  
A206809 19.5247  $-4*(13+13*x+x^2)/(x-1)/(x^2+10*x+7)$  lgdogf  
A206809 7.83258 [  $(x^2+10*x+7)/(x-1)^6$  ogf]  
A206810 12.1342  $-(145+325*x+3*x^3+103*x^2)/(x-1)/(x^3+25*x^2+55*x+15)$  lgdogf  
A206810 6.63074 [  $(x^3+25*x^2+55*x+15)/(x-1)^6$  ogf]  
A206810 7.29381 [  $-(3*x^3+103*x^2+325*x+145)/(x^4+24*x^3+30*x^2-40*x-15)$  lgdogf]  
A206811 12.7879  $-4*(40+95*x+x^3+32*x^2)/(x-1)/(x^3+25*x^2+55*x+15)$  lgdogf  
A206811 3.38122 [  $\{(-8*n^2-85*n-225)*a(n+1)+(-56*n^2-784*n-2592)*a(n+2)+(64*n^2+437*n+735)*a(n+3), a(0) = 15, a(1) = 160, a(2) = 830\}$ , ogf]  
A206811 6.04237 [  $-(x^3+25*x^2+55*x+15)/(x-1)^7$  ogf]  
A206811 7.25084 [  $-(4*x^3+128*x^2+380*x+160)/(x^4+24*x^3+30*x^2-40*x-15)$  lgdogf]  
A206839 11.2117 [  $-(-4*x^3+6*x^2-4)/(-x^4+2*x^3-4*x+1)$  lgdogf]  
A206839 18.5950 [  $-1/(x^4-2*x^3+4*x-1)$  ogf]  
A206839 8.77937  $-(16-4*x+x^6-4*x^5+4*x^4+8*x^3-13*x^2)/(x^3-2*x^2+4)/(x^4-2*x^3+4*x-1)$  lgdogf  
A206857 5.33182 [  $-(x^5+3*x^4-4*x^3-22*x^2-9*x-9)/(x^3-3*x^2+x-1)/(x^3+5*x^2+7*x-1)$  ogf]  
A206866 6.15236 [  $-(x^5+9*x^4+11*x^3-15*x^2-21*x-7)/(x^6+2*x^5-4*x^4-8*x^3-4*x+1)$  ogf]  
A206872 3.76413 [  $-(4*x^8+2*x^7+3*x^6-26*x^5-29*x^4-12*x^3+15*x^2+28*x+7)/(x-1)/(4*x^8+2*x^7+7*x^6-24*x^5-23*x^4-36*x^3-9*x^2-2*x+1)$  ogf]

A206901 10.6417  $-(2-12*x+12*x^4-30*x^3+31*x^2)/(x-1)/(-1+4*x)/(3*x^3-10*x^2+7*x-1)$  lgdogf  
A206901 11.5332  $[-(4*x-1)*(x-1)/(3*x^3-10*x^2+7*x-1)$  ogf]  
A206901 6.32797  $[-a(n+3)+7*a(n+2)-10*a(n+1)+3*a(n), a(0) = 1, a(1) = 2, a(2) = 8]$ , ogf]  
A206901 6.81010  $[(-(-12*x^4+30*x^3-31*x^2+12*x-2)/(-12*x^5+55*x^4-81*x^3+49*x^2-12*x+1)$  lgdogf]  
A206902 10.6830  $[(x^3-3*x^2+4*x-1)/(3*x^3-7*x^2+6*x-1)$  ogf]  
A206902 11.4960  $2*(x-1)*(x^3-5*x^2+3*x-1)/(x^3-3*x^2+4*x-1)/(3*x^3-7*x^2+6*x-1)$  lgdogf  
A206902 5.54229  $[{a(n+4)-6*a(n+3)+7*a(n+2)-3*a(n+1), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 36}]$ , ogf]  
A206902 6.64076  $[(-(-2*x^4+12*x^3-16*x^2+8*x-2)/(3*x^6-16*x^5+39*x^4-50*x^3+34*x^2-10*x+1)$  lgdogf]  
A206905 9.29704  $[(x^5+9*x^4+9*x^3+9*x^2+9*x+9)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A206909 4.52385  $[(2*x^22+x^20-x^19-x^17+x^16+x^14-x^13-x^11+x^10+x^8-x^7-x^4+x^3+x+1)/(x^2+1)/(x^20-x^18+x^16-x^14+x^12-x^10+x^8-x^6+x^4-x^2+1)/(x-1)^2$  ogf]  
A206910 4.36119  $[(x^23+x^22-x^20+x^19+x^17-x^16-x^14+x^13+x^11-x^10-x^8+x^7+x^4-x^3+2)/(x^2+1)/(x^20-x^18+x^16-x^14+x^12-x^10+x^8-x^6+x^4-x^2+1)/(x-1)^2$  ogf]  
A206917 10.4721  $[-(24*x^2+24*x+3)/(32*x^4+24*x^3+4*x^2-3*x-1)$  lgdogf]  
A206917 15.0166  $[-x*(4*x^2+3*x+1)/(8*x^2-1)$  ogf]  
A206917 8.29043  $[{a(n+4)-8*a(n+2), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 12}]$ , ogf]  
A206918 11.7078  $[x*(4*x^2+3*x+1)/(x-1)/(8*x^2-1)$  ogf]  
A206918 5.76523  $[{a(n+4)-a(n+3)-8*a(n+2)+8*a(n+1), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 16}]$ , ogf]  
A206918 7.53475  $[(-(-32*x^4-48*x^3-4*x^2+24*x+4)/(-32*x^5+8*x^4+20*x^3+7*x^2-2*x-1)$  lgdogf]  
A206927 7.93614  $[-(2*x^6-x^5-x^4-x^2-2)/(x-1)/(2*x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A206931 4.99053  $[-(x^7+x^6-8*x^5-8*x^4+28*x^3-20*x^2+7*x+7)/(x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)/(x^2+2*x-1)$  ogf]  
A206947 10.1196  $[-2*x^3*(x-1)/(x^2-3*x+1)/(5*x^2-5*x+1)$  ogf]  
A206947 11.5354  $-(7-42*x+15*x^4-60*x^3+81*x^2)/(x-1)/(x^2-3*x+1)/(5*x^2-5*x+1)$  lgdogf  
A206947 6.97566  $[(-(-15*x^4+60*x^3-81*x^2+42*x-7)/(-5*x^5+25*x^4-41*x^3+29*x^2-9*x+1)$  lgdogf]  
A206948 6.55282  $[-x^3*(2*x^2-3*x+2)/(x^3-4*x^2+5*x-1)/(6*x^2-6*x+1)$  ogf]  
A206949 10.8159  $[-3*x^3*(x-1)/(3*x-1)/(3*x^3-9*x^2+6*x-1)$  ogf]  
A206949 11.5854  $-(8-54*x+27*x^4-96*x^3+117*x^2)/(x-1)/(-1+3*x)/(3*x^3-9*x^2+6*x-1)$  lgdogf  
A206949 7.31363  $[-(27*x^4-96*x^3+117*x^2-54*x+8)/(9*x^5-39*x^4+57*x^3-36*x^2+10*x-1)$  lgdogf]  
A206950 6.97424  $[-x^3*(3*x^3-7*x^2+6*x-3)/(3*x^3-7*x^2+6*x-1)/(3*x^3-10*x^2+7*x-1)$  ogf]  
A206958 4.47930  $[-(x^15+x^14-x^13-x^12-x^10+x^8+2*x^7+x^6-x^4-x^2-x+1)/(-x^16+1)$  ogf\_with\_Euler\_transform]  
A206959 4.37593  $[-(x^15-x^14+x^12+x^10-x^9-x^8+2*x^7-x^6-x^5+x^4+x^2-1)/(-x^16+1)$  ogf\_with\_Euler\_transform]  
A206981 11.4004  $[-4*(x^2-2*x-1)/(x^2-3*x+1)/(x+1)$  ogf]  
A206981 12.6341  $-(4+2*x+x^4-4*x^3+3*x^2)/(1+x)/(x^2-3*x+1)/(x^2-2*x-1)$  lgdogf  
A206981 6.10019  $[{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 4, a(1) = 16, a(2) = 36}]$ , ogf]  
A206981 7.55893  $[(-(-x^4+4*x^3-3*x^2-2*x-4)/(-x^5+4*x^4-x^3-7*x^2+1)$  lgdogf]  
A206982 6.23693  $[2*(x-1)*(8*x^5+8*x^4-2*x^3-5*x^2-15*x-3)/(2*x^5+x^4-2*x^3-x^2-2*x+1)$  ogf]  
A206989 4.43404  $[(x-1)*(x^7-x^6-3*x^5-13*x^4+23*x^3+27*x^2+35*x+7)/(x^7-3*x^6+x^5-5*x^4+11*x^3+5*x^2+3*x-1)$  ogf]  
A207008 8.71663  $-(9-8*x+8*x^6+8*x^5+12*x^4+24*x^2)/(4*x^3+2*x^2+3)/$

$(2*x^4+2*x^3-2*x^2+3*x-1)$  lgdogf  
A207008 9.25544 [  $-(4*x^3+2*x^2+3)/(2*x^4+2*x^3-2*x^2+3*x-1)$  ogf]  
A207020 10.7506 [  $-9*(2*x^2-5*x-1)/(x-1)^4$  ogf]  
A207020 11.7429 [  $-(-4*x^2+11*x+9)/(-2*x^3+7*x^2-4*x-1)$  lgdogf]  
A207020 20.8043 [  $-(-9-11*x+4*x^2)/(x-1)/(2*x^2-5*x-1)$  lgdogf]  
A207020 3.77866 [  $\{(-n-4)*a(n+4)+(-3-4*n)*a(n+3)+(25+7*n)*a(n+2)+(-6-2*n)*a(n+1),$   
 $a(0) = 9, a(1) = 81, a(2) = 252, a(3) = 558\}$ , ogf]  
A207021 14.7117 [  $-(13+18*x+4*x^3-15*x^2)/(x-1)/(2*x^3-7*x^2+8*x+1)$  lgdogf]  
A207021 3.74866 [  $\{(-59*n^2-539*n-1086)*a(n+1)+(102*n^2+687*n+927)*a(n$   
 $+2)+(-43*n^2-212*n-249)*a(n+3), a(0) = 13, a(1) = 169, a(2) = 624\}$ , ogf]  
A207021 7.98627 [  $-13*(2*x^3-7*x^2+8*x+1)/(x-1)^5$  ogf]  
A207021 8.74687 [  $-(-4*x^3+15*x^2-18*x-13)/(-2*x^4+9*x^3-15*x^2+7*x+1)$  lgdogf]  
A207022 14.2295 [  $-(18+42*x+4*x^3-9*x^2)/(x-1)/(2*x^3-5*x^2+13*x+1)$  lgdogf]  
A207022 7.72664 [  $-18*(2*x^3-5*x^2+13*x+1)/(x-1)^5$  ogf]  
A207022 8.46251 [  $-(-4*x^3+9*x^2-42*x-18)/(-2*x^4+7*x^3-18*x^2+12*x+1)$  lgdogf]  
A207023 10.6118 [  $-(-25-67*x+4*x^4-13*x^3+35*x^2)/(x-1)/$   
 $(2*x^4-7*x^3+14*x^2-19*x-1)$  lgdogf]  
A207023 6.27762 [  $-25*(2*x^4-7*x^3+14*x^2-19*x-1)/(x-1)^6$  ogf]  
A207023 6.82616 [  $-(-4*x^4+13*x^3-35*x^2+67*x+25)/$   
 $(-2*x^5+9*x^4-21*x^3+33*x^2-18*x-1)$  lgdogf]  
A207025 4.71601 [  $-(x^9-x^8+x^7-x^6+3*x^5-3*x^4+3*x^3-8*x-4)/(x-1)/(x^3+x^2-1)/$   
 $(x^3-x-1)/(x^3-x^2+2*x-1)$  ogf]  
A207042 7.44038 [  $3*(96*x^5-208*x^4-316*x^3-250*x^2-90*x-27)/(16*x^3-1)$  ogf]  
A207043 6.96010 [  $3*(20*x^4-88*x^3+20*x^2-4*x+27)/(2*x^4-8*x^3-x^2-2*x+1)$  ogf]  
A207044 5.98983 [  $6*(x^6+3*x^5-10*x^4-18*x^3+42*x^2+45*x+25)/$   
 $(x^5+x^4-5*x^3-2*x^2+1)$  ogf]  
A207045 4.95474 [  $-3*(2*x^{10}+24*x^9+80*x^8+48*x^7+4*x^6-48*x^5-185*x^4-164*x^3+250*x^2+184*x+147)/$   
 $(x^4+4*x^3-1)$  ogf]  
A207046 4.63840 [  $-6*(4*x^{11}+24*x^{10}+56*x^9+68*x^8+53*x^7+28*x^6-42*x^5-220*x^4-570*x^3+212*x^2+19$   
 $7*x+236)/(4*x^3-1)$  ogf]  
A207047 4.12462 [  $-3*(32*x^{12}+192*x^{11}+368*x^{10}+304*x^9+274*x^8+144*x^7+40*x^6-264*x^5-1344*x^4-46$   
 $92*x^3+698*x^2+748*x+1457)/(4*x^3-1)$  ogf]  
A207048 3.82654 [  $-6*(16*x^{13}+192*x^{12}+656*x^{11}+512*x^{10}+324*x^9+208*x^8+32*x^7-24*x^6-320*x^5-188$   
 $4*x^4-8118*x^3+568*x^2+787*x+2231)/(4*x^3-1)$  ogf]  
A207058 6.62339 [  $x*(95*x^5+73*x^4+95*x^3-425*x^2-219*x-145)/(x-1)/(x^6-6*x^3+1)$   
ogf]  
A207059 5.23038 [  $(85*x^9+48*x^8+23*x^7+48*x^6+85*x^5-391*x^4-176*x^3-69*x^2-112*x-119)/(x-1)/$   
 $(x^{10}-6*x^5+1)$  ogf]  
A207060 6.62647 [  $x*(161*x^5+79*x^4+161*x^3-707*x^2-237*x-259)/(x-1)/$   
 $(x^6-6*x^3+1)$  ogf]  
A207061 6.77256 [  $x*(76*x^5+281*x^4+76*x^3-364*x^2-843*x-92)/(x-1)/(x^6-6*x^3+1)$   
ogf]  
A207064 11.0275 [  $-(-9*x^2+10*x+9)/(-3*x^3+7*x^2-3*x-1)$  lgdogf]  
A207064 19.5222 [  $-(-9-10*x+9*x^2)/(x-1)/(3*x^2-4*x-1)$  lgdogf]  
A207064 3.67582 [  $\{(-n-4)*a(n+4)-3*n*a(n+3)+(24+7*n)*a(n+2)+(-12-3*n)*a(n+1),$   
 $a(0) = 9, a(1) = 81, a(2) = 288, a(3) = 720\}$ , ogf]  
A207064 8.84920 [  $9*(3*x^2-4*x-1)/(x-1)^5$  ogf]  
A207065 12.9410 [  $-2*(-7-15*x+3*x^3+13*x^2)/(x-1)/(2*x^3+5*x^2-8*x-1)$  lgdogf]  
A207065 6.66792 [  $-14*(2*x^3+5*x^2-8*x-1)/(x-1)^6$  ogf]  
A207065 8.01738 [  $-(-6*x^3-26*x^2+30*x+14)/(-2*x^4-3*x^3+13*x^2-7*x-1)$  lgdogf]  
A207066 10.5153 [  $-(21+70*x+6*x^4-24*x^3-59*x^2)/(x-1)/(2*x^4-8*x^3-7*x^2+14*x+1)$   
lgdogf]  
A207066 5.58386 [  $-21*(2*x^4-8*x^3-7*x^2+14*x+1)/(x-1)^7$  ogf]  
A207067 10.0618 [  $-(31+149*x+44*x^4-91*x^3-117*x^2)/(x-1)/$   
 $(11*x^4-27*x^3-6*x^2+23*x+1)$  lgdogf]  
A207067 5.32239 [  $31*(11*x^4-27*x^3-6*x^2+23*x+1)/(x-1)^8$  ogf]

A207069 4.69177 [  $-(x^9+x^8-x^7-3x^6-3x^5-x^4+7x^3+4x^2-4x-4)/(x-1)/(x^3-x^2-1)/(x^3+x-1)/(x^3+2x^2+x-1)$  ogf ]  
A207075 6.68612 [  $x*(180x^5+119x^4+180x^3-800x^2-357x-280)/(x-1)/(x^6-6x^3+1)$  ogf ]  
A207076 6.65705 [  $x*(135x^5+217x^4+135x^3-625x^2-651x-185)/(x-1)/(x^6-6x^3+1)$  ogf ]  
A207083 5.60764 [  $-(x^5-3x^4-14x^3+18x^2-7x-7)/(x-1)/(x^2+2x-1)/(x^3-5x^2-3x+1)$  ogf ]  
A207089 3.34206 [  $-(64x^8+32x^7-40x^6-119x^5-77x^4+36x^3+66x^2+35x+7)/(64x^9-32x^8-8x^7-111x^6+6x^5+29x^4+48x^3+11x^2+2x-1)$  ogf ]  
A207094 8.44001 [  $-(x^8+x^5-2x^3-3)/(x-1)/(x^8+x^7+x^6+2x^5+2x^4+x^3+x^2+x-1)$  ogf ]  
A207101 4.22430 [  $-(x^{11}-3x^9-2x^8+4x^7+18x^6+32x^5+42x^4+46x^3+44x^2+26x+8)/(x^2+x+1)^2/(x+1)^3/(x-1)^5$  ogf ]  
A207106 11.1705 [  $-2*(5x^2-6x-3)/(x-1)^4$  ogf ]  
A207106 11.8374 [  $(-(-10x^2+8x+18)/(-5x^3+11x^2-3x-3))$  lgdogf ]  
A207106 21.6209  $-2*(1+x)*(5x-9)/(x-1)/(5x^2-6x-3)$  lgdogf  
A207106 3.88779 [  $\{( -3n-12)*a(n+4)+(9-3n)*a(n+3)+(30+11n)*a(n+2)+(-15-5n)*a(n+1), a(0) = 6, a(1) = 36, a(2) = 98, a(3) = 200\}$ , ogf ]  
A207107 11.7353  $-(81+56x+x^4+20x^3-108x^2)/(x-1)/(x^4+8x^3-44x^2+36x+9)$  lgdogf  
A207107 7.52533 [  $-(x^4+8x^3-44x^2+36x+9)/(x-1)^5$  ogf ]  
A207108 6.16357 [  $-(3x^5-7x^4-48x^3+142x^2-91x-13)/(x-1)^6$  ogf ]  
A207108 8.62685  $(-(-169-171x+3x^5+x^4-172x^3+424x^2)/(x-1)/(3x^5-7x^4-48x^3+142x^2-91x-13))$  lgdogf  
A207109 5.17296 [  $-2*(3x^6-18x^5+17x^4+90x^3-193x^2+99x+9)/(x-1)^7$  ogf ]  
A207109 7.14692  $(-((162+208x+3x^6-18x^5-39x^4+428x^3-695x^2)/(x-1)/(3x^6-18x^5+17x^4+90x^3-193x^2+99x+9)))$  lgdogf  
A207110 4.12418 [  $-(9x^7-79x^6+269x^5-249x^4-419x^3+901x^2-425x-25)/(x-1)^8$  ogf ]  
A207141 6.27665 [  $-(4x^4-41x^3+91x^2+2x-50)/(x-1)/(2x+1)/(2x-1)$  ogf ]  
A207142 7.32501 [  $(x^7-x^6-x^5-3x^4+22x^3-50x^2-20x+50)/(x-1)/(2x^2-1)$  ogf ]  
A207143 6.83496 [  $(x^8-x^7+x^6-x^5-x^4+3x^3-52x^2+18x+30)/(x-1)/(2x^2-1)$  ogf ]  
A207144 6.39061 [  $(x^9-x^8+x^7-x^6+x^5-x^4+x^3-59x^2-24x+80)/(x-1)/(2x^2-1)$  ogf ]  
A207145 5.88135 [  $(4x^{10}-4x^9+4x^8-4x^7+4x^6-4x^5-2x^4+14x^3-109x^2+33x+62)/(x-1)/(2x^2-1)$  ogf ]  
A207146 5.23916 [  $(4x^{11}-4x^{10}+4x^9-4x^8+4x^7-4x^6-2x^5+2x^4+5x^3-117x^2-49x+159)/(x-1)/(2x^2-1)$  ogf ]  
A207147 4.72442 [  $(16x^{12}-16x^{11}+16x^{10}-16x^9+16x^8-16x^7-8x^6+8x^5-2x^4+26x^3-213x^2+65x+122)/(x-1)/(2x^2-1)$  ogf ]  
A207148 4.22651 [  $(16x^{13}-16x^{12}+16x^{11}-16x^{10}+16x^9-16x^8-8x^7+8x^6-2x^5+2x^4+9x^3-229x^2-97x+315)/(x-1)/(2x^2-1)$  ogf ]  
A207165 18.6884  $(-((9+13x+x^3+x^2)/(x-1)/(x^3-x^2+5x+1)))$  lgdogf  
A207165 3.95249 [  $\{(n^2-7n-18)*a(n+1)+(22n^2+200n+366)*a(n+2)+(-23n^2-121n-156)*a(n+3), a(0) = 9, a(1) = 81, a(2) = 261\}$ , ogf ]  
A207165 9.17368 [  $(-(-x^3-x^2-13x-9)/(-x^4+2x^3-6x^2+4x+1))$  lgdogf ]  
A207165 9.52651 [  $9*(x^3-x^2+5x+1)/(x-1)^4$  ogf ]  
A207166 15.2348  $(-((13+18x+8x^3-9x^2)/(x-1)/(4x^3-7x^2+8x+1)))$  lgdogf  
A207166 3.67061 [  $\{( -220n^2-2144n-4452)*a(n+1)+(597n^2+4674n+7181)*a(n+2)+(-377n^2-1902n-2313)*a(n+3), a(0) = 13, a(1) = 169, a(2) = 624\}$ , ogf ]  
A207166 8.09928 [  $-13*(4x^3-7x^2+8x+1)/(x-1)^5$  ogf ]  
A207166 8.87064 [  $(-(-8x^3+9x^2-18x-13)/(-4x^4+11x^3-15x^2+7x+1))$  lgdogf ]  
A207167 13.4714  $(-((-19-42x+4x^3+27x^2)/(x-1)/(2x^3+7x^2-14x-1)))$  lgdogf  
A207167 7.53384 [  $19*(2x^3+7x^2-14x-1)/(x-1)^5$  ogf ]

A207167 8.24291 [  $(-(-4*x^3-27*x^2+42*x+19)/(-2*x^4-5*x^3+21*x^2-13*x-1) \lg\text{dogf})$   
A207168 12.5831 [  $-(28+104*x+x^4+2*x^3+15*x^2)/(x-1)/(x^4-x^3+6*x^2+23*x+1) \lg\text{dogf}$   
A207168 7.16376 [  $-28*(x^4-x^3+6*x^2+23*x+1)/(x-1)^5 \text{ogf}$   
A207168 7.16376 [  $-(x^4+2*x^3+15*x^2+104*x+28)/(x^5-2*x^4+7*x^3+17*x^2-22*x-1) \lg\text{dogf}$   
A207170 6.19343 [  $-(5*x^6+9*x^5-17*x^3-16*x^2-12*x-4)/(x^3-x^2-1)/(x^3+2*x^2+x-1) \text{ogf}$   
A207171 4.05788 [  $-(16*x^{10}+120*x^9+28*x^8-134*x^7-203*x^6-36*x^5+27*x^4+117*x^3+54*x^2+30*x+6)/(8*x^9-8*x^7-12*x^6+2*x^5+2*x^4+9*x^3+x-1) \text{ogf}$   
A207172 3.70441 [  $-(324*x^{10}+837*x^9-54*x^8-828*x^7-819*x^6-60*x^5+153*x^4+331*x^3+104*x^2+56*x+8)/(27*x^9-18*x^7-27*x^6+3*x^5+3*x^4+13*x^3+x-1) \text{ogf}$   
A207173 3.55598 [  $-(2304*x^{10}+3392*x^9-800*x^8-3216*x^7-2284*x^6-20*x^5+544*x^4+721*x^3+170*x^2+90*x+10)/(8*x^3+2*x-1)/(8*x^6-6*x^4-5*x^3+2*x^2+x+1) \text{ogf}$   
A207177 4.21228 [  $-(x^7+3*x^6+4*x^5-2*x^4-25*x^3-31*x^2-21*x-7)/(x^8+2*x^7+x^6-6*x^5-23*x^4-12*x^3-2*x^2-4*x+1) \text{ogf}$   
A207249 5.45912 [  $-2*(3*x^7+3*x^5-21*x^4-11*x^3-3*x^2-12*x-3)/(x^8-8*x^5-7*x^4-4*x^2-2*x+1) \text{ogf}$   
A207250 3.37508 [  $-4*(2*x^9-4*x^8-6*x^7-10*x^6+10*x^5+38*x^4+11*x^3+8*x^2+12*x+2)/(x^{10}-2*x^9-4*x^8-4*x^7+8*x^6+27*x^5+13*x^4+2*x^3+7*x^2+2*x-1) \text{ogf}$   
A207255 3.56474 [  $\{(-427*n^2-2675*n-4182)*a(n+1)+(1052*n^2+6976*n+13584)*a(n+2)+(-625*n^2-3509*n-4902)*a(n+3), a(0) = 10, a(1) = 100, a(2) = 370\}, \text{ogf}$   
A207255 8.03045 [  $10*(x^3+3*x^2-5*x-1)/(x-1)^5 \text{ogf}$   
A207255 8.80447 [  $-(-2*x^3-12*x^2+14*x+10)/(-x^4-2*x^3+8*x^2-4*x-1) \lg\text{dogf}$   
A207256 6.27542 [  $16*(x^4-6*x^3-4*x^2+10*x+1)/(x-1)^6 \text{ogf}$   
A207256 6.83461 [  $-(-2*x^4+14*x^3+34*x^2-42*x-16)/(-x^5+7*x^4-2*x^3-14*x^2+9*x+1) \lg\text{dogf}$   
A207257 5.11271 [  $-26*(x^5+7*x^4-28*x^3+2*x^2+19*x+1)/(x-1)^7 \text{ogf}$   
A207258 4.25817 [  $-42*(x^6-14*x^5-15*x^4+96*x^3-35*x^2-34*x-1)/(x-1)^8 \text{ogf}$   
A207262 11.7689 [  $-(-64*x^2+32*x-13)/(-64*x^3+84*x^2-21*x+1) \lg\text{dogf}$   
A207262 17.1630 [  $-5*(4*x-1)/(16*x-1)/(x-1) \text{ogf}$   
A207262 9.69207 [  $\{a(n+2)-17*a(n+1)+16*a(n), a(0) = 5, a(1) = 65\}, \text{ogf}$   
A207276 7.17624 [  $-2*(x+1)*(x^3+x^2+2)/(x^5+3*x^4+x^3+2*x^2+3*x-1) \text{ogf}$   
A207302 7.49160 [  $-(3*x^4-6*x^3-50*x^2+104*x+13)/(x-1)^5 \text{ogf}$   
A207302 7.49160 [  $-(-3*x^4+168*x^2-316*x-169)/(-3*x^5+9*x^4+44*x^3-154*x^2+91*x+13) \lg\text{dogf}$   
A207303 5.88570 [  $-(5*x^5-53*x^4+76*x^3+206*x^2-247*x-19)/(x-1)^6 \text{ogf}$   
A207304 5.73310 [  $-2*(2*x^5-46*x^4+209*x^3-30*x^2-308*x-14)/(x-1)^6 \text{ogf}$   
A207306 4.49089 [  $-(2*x^8+26*x^7+38*x^6-x^5-56*x^4-101*x^3-56*x^2-30*x-6)/(2*x^7+2*x^6-x^5-4*x^4-6*x^3-x^2-x+1) \text{ogf}$   
A207318 3.50775 [  $\{(8*n^2+32*n+32)*a(n+1)+(-15*n^2-67*n-76)*a(n+2)+(6*n^2+29*n+35)*a(n+3)+(n^2+6*n+9)*a(n+4), a(0) = 0, a(1) = 1, a(2) = -1, a(3) = 9\}, \text{ogf}$   
A207322 3.62057 [  $\{(-9*n^2-54*n-81)*a(n+1)+(-n^2-16*n-42)*a(n+2)+(9*n^2+62*n+107)*a(n+3)+(n^2+8*n+16)*a(n+4), a(0) = 0, a(1) = -3, a(2) = 12, a(3) = -81\}, \text{ogf}$   
A207347 6.86718 [  $6*(x+1)*(x^5-x^4+4*x^3-x^2+3*x+1)/(x^3+x-1)/(x^3+x^2+x-1) \text{ogf}$   
A207361 6.83065 [  $x*(2*x^2+5*x+1)/(x-1)^6 \text{ogf}$   
A207361 9.52152 [  $-(8*x^2+29*x+11)/(2*x^3+3*x^2-4*x-1) \lg\text{dogf}$   
A207363 5.61596 [  $-(x^7-2*x^6-2*x^5+6*x^4+9*x^3+6*x^2+24*x+6)/(x+1)^3/(x-1)^5 \text{ogf}$   
A207388 6.17541 [  $-2*(x^5-6*x^4-6*x^3+66*x^2-56*x-7)/(x-1)^6 \text{ogf}$   
A207389 5.07074 [  $-(3*x^6-36*x^5+139*x^4-62*x^3-339*x^2+294*x+21)/(x-1)^7 \text{ogf}$   
A207390 4.35101 [  $-(3*x^7-45*x^6+341*x^5-961*x^4+677*x^3+705*x^2-713*x-31)/(x-1)^8 \text{ogf}$   
A207399 7.42558 [  $-(x^4+4*x^3-26*x^2+36*x+9)/(x-1)^5 \text{ogf}$   
A207400 6.51896 [  $-2*(x^5-15*x^3+36*x^2-36*x-6)/(x-1)^6 \text{ogf}$   
A207401 5.07074 [  $-4*(x^6-3*x^5-3*x^4+25*x^3-40*x^2+36*x+4)/(x-1)^7 \text{ogf}$   
A207402 4.32325 [  $-2*(3*x^7-14*x^6+14*x^5+42*x^4-135*x^3+150*x^2-120*x-10)/(x-1)^8 \text{ogf}$

A207436 5.90385 [  $-(5*x^6-6*x^5-24*x^4+7*x^3+20*x^2-4)/(x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A207437 3.62203 [  $-(22*x^9-87*x^8-64*x^7+321*x^6+23*x^5-286*x^4+3*x^3+78*x^2-6)/(x-1)/(2*x-1)/(x+1)/(x^2-4*x+1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A207449 10.5179 [  $-10*(x^2-6*x-1)/(x-1)^4$  ogf]  
A207449 11.4741 [  $(-2*x^2+16*x+10)/(-x^3+7*x^2-5*x-1)$  lgdogf]  
A207449 3.71221 [  $\{(-n-4)*a(n+4)+(-5-5*n)*a(n+3)+(30+7*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 10, a(1) = 100, a(2) = 330, a(3) = 760\}$ , ogf]  
A207450 10.0174 [  $16*(5*x^2+12*x+1)/(x-1)^4$  ogf]  
A207450 10.7540 [  $-(10*x^2+46*x+16)/(5*x^3+7*x^2-11*x-1)$  lgdogf]  
A207450 3.49890 [  $\{(n+4)*a(n+4)+(17+11*n)*a(n+3)+(-60-7*n)*a(n+2)+(-15-5*n)*a(n+1), a(0) = 16, a(1) = 256, a(2) = 1008, a(3) = 2560\}$ , ogf]  
A207451 3.75314 [  $\{(-8*n^2-7*n+51)*a(n+1)+(70*n^2+550*n+1262)*a(n+2)+(-62*n^2-327*n-423)*a(n+3), a(0) = 26, a(1) = 676, a(2) = 3354\}$ , ogf]  
A207451 7.66598 [  $26*(7*x^3-9*x^2-21*x-1)/(x-1)^5$  ogf]  
A207451 8.28278 [  $(-14*x^3+6*x^2+102*x+26)/(-7*x^4+16*x^3+12*x^2-20*x-1)$  lgdogf]  
A207452 3.40729 [  $\{(-1114*n^2-7471*n-12387)*a(n+1)+(952*n^2+1540*n-1442)*a(n+2)+(162*n^2+827*n+1023)*a(n+3), a(0) = 42, a(1) = 1764, a(2) = 10710\}$ , ogf]  
A207452 7.34698 [  $-42*(3*x^3+55*x^2+37*x+1)/(x-1)^5$  ogf]  
A207452 8.01489 [  $(-6*x^3+174*x^2+258*x+42)/(3*x^4+52*x^3-18*x^2-36*x-1)$  lgdogf]  
A207454 8.14375 [  $-6*(4*x^3-2*x^2-5*x-1)/(4*x^2+2*x-1)/(x^2-x-1)$  ogf]  
A207455 8.01291 [  $-8*(9*x^3-3*x^2-7*x-1)/(9*x^4-3*x^3-10*x^2-x+1)$  ogf]  
A207456 6.95890 [  $-10*(16*x^3-4*x^2-9*x-1)/(16*x^4-4*x^3-13*x^2-x+1)$  ogf]  
A207457 7.16358 [  $-12*(25*x^3-5*x^2-11*x-1)/(25*x^4-5*x^3-16*x^2-x+1)$  ogf]  
A207458 6.80207 [  $-14*(36*x^3-6*x^2-13*x-1)/(4*x^2-2*x-1)/(9*x^2+3*x-1)$  ogf]  
A207481 28.3162 [  $-x^7+x^6+2$  ogf\_with\_Euler\_transform]  
A207481 8.15959 [  $(x+1)*(x^4+1)*(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A207483 3.70339 [  $-(82*x^9-131*x^8-401*x^7+365*x^6+425*x^5-307*x^4-131*x^3+92*x^2+6*x-6)/(x-1)/(2*x-1)/(x+1)/(x^2-3*x+1)/(3*x^2+x-1)/(x^2+x-1)$  ogf]  
A207493 14.5175 [  $-1/2*x^2+2*x+1-\exp(x)$  revegef]  
A207495 4.62057 [  $-(11*x^7+19*x^6-72*x^5-119*x^4+57*x^3+66*x^2-6*x-6)/(x-1)/(x^2+2*x-1)/(x^4-5*x^2-2*x+1)$  ogf]  
A207509 4.19928 [  $2*(2*x^{10}-6*x^9+12*x^8-16*x^7-6*x^6-15*x^5-7*x^4+5*x^3+12*x+3)/(x-1)/(x^3+x-1)/(x^6-x^5-x^4-3*x^3-x^2+1)$  ogf]  
A207539 3.77799 [  $(10*x^{11}+9*x^{10}+8*x^9+7*x^8+6*x^7+5*x^6+4*x^5+3*x^4+2*x^3+x^2-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A207539 4.97869 [  $(-11*x^{15}-11*x^{14}+28*x^{13}+5*x^{12}-11*x^{11}-4*x^3+2*x^2+2*x-1)/(11*x^{15}-11*x^{14}-6*x^{13}+6*x^{12}+4*x^3-2*x^2-2*x+1)$  ogf\_with\_Euler\_transform]  
A207541 11.8313 [  $(-4*x^3+4*x^2-10*x+4)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A207559 3.65046 [  $-(45*x^9-120*x^8-160*x^7+440*x^6+128*x^5-384*x^4-11*x^3+88*x^2-6)/(x-1)/(3*x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A207590 11.1602 [  $6*(4*x^3-x^2-5*x-1)/(3*x^2+x-1)$  ogf]  
A207590 5.95842 [  $\{-a(n+4)+a(n+3)+3*a(n+2), a(0) = 6, a(1) = 36, a(2) = 60, a(3) = 144\}$ , ogf]  
A207590 7.10196 [  $-(12*x^4+8*x^3+2*x^2+8*x+6)/(-12*x^5-x^4+20*x^3+7*x^2-4*x-1)$  lgdogf]  
A207591 5.26962 [  $9*(x-1)*(4*x^6+2*x^5-22*x^4-8*x^3+18*x^2+10*x+1)/(2*x^6-10*x^4+2*x^3+8*x^2-1)$  ogf]  
A207592 4.05007 [  $13*(16*x^8+20*x^7-86*x^6-66*x^5+99*x^4+54*x^3-26*x^2-14*x-1)/(x+1)/(4*x^6+2*x^5-20*x^4+2*x^3+11*x^2-1)$  ogf]  
A207596 3.70736 [  $\{(19*n^2+157*n+238)*a(n+1)+(140*n^2+1219*n+2583)*a(n+2)+(-159*n^2-842*n-1095)*a(n+3), a(0) = 15, a(1) = 225, a(2) = 825\}$ , ogf]  
A207596 8.78290 [  $(-x^3-x^2+35*x+15)/(-x^4+2*x^3+10*x^2-10*x-1)$  lgdogf]  
A207596 8.99712 [  $-15*(x^3-x^2-11*x-1)/(x-1)^4$  ogf]  
A207597 6.96345 [  $-25*(x^4-4*x^3+6*x^2+20*x+1)/(x-1)^5$  ogf]  
A207597 7.10134 [  $(-x^4-4*x^3+6*x^2+92*x+25)/(x^5-5*x^4+10*x^3+14*x^2-19*x-1)$  lgdogf]  
A207598 7.24398 [  $40*(5*x^3-41*x^2-35*x-1)/(x-1)^5$  ogf]



A207598 7.90252 [  $[-(-10*x^3+108*x^2+222*x+40)/(-5*x^4+46*x^3-6*x^2-34*x-1)$   
lgdogf]  
A207638 5.77039 [  $[-(93*x^5+196*x^4+169*x^3+121*x^2+81*x+49)/(4*x^5-1)$  ogf]  
A207640 3.59873 [  $[-(625*x^2+361*x+225)/(4*x^3-1)$  ogf]  
A207641 14.3605 [  $[-(-x^3+x^2+2*x+1)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A207656 5.04070 [  $\{a(n+4)-3*a(n+3)+a(n+2)+a(n+1), a(0) = 6, a(1) = 36, a(2) = 84,$   
 $a(3) = 198\}$ , ogf]  
A207656 6.72093 [  $[-(-x^4-6*x^3+3*x^2+8*x-6)/(-2*x^6-5*x^5+6*x^4+11*x^3-11*x^2+1)$   
lgdogf]  
A207656 9.52132 [  $[-6*(2*x^3+3*x^2-3*x-1)/(x^2+2*x-1)/(x-1)$  ogf]  
A207683 5.65634 [  $2*(3*x^7-42*x^6-19*x^5+12*x^4+46*x^3+33*x^2+18*x+3)/$   
 $(6*x^6-4*x^4-6*x^3-x^2+1)$  ogf]  
A207689 5.35171 [  $(17*x^7-10*x^6-48*x^5-32*x^4+48*x^3+10*x^2+72*x+9)/(x^3-$   
 $x^2-1)/(x^3+2*x^2+x-1)$  ogf]  
A207694 6.86236 [  $2*(60*x^6+84*x^5+11*x^4-11*x^3-12*x^2-15*x-3)/(3*x^2+1)/$   
 $(3*x^2+x-1)$  ogf]  
A207700 5.90704 [  $[-(x^5-15*x^4+30*x^3+54*x^2-135*x-15)/(x-1)^6$  ogf]  
A207701 4.88715 [  $[-(x^6+2*x^5+127*x^4-404*x^3+119*x^2+450*x+25)/(x-1)^7$  ogf]  
A207702 4.10502 [  $-2*(12*x^6-31*x^5-259*x^4+1013*x^3-775*x^2-640*x-20)/(x-1)^8$   
ogf]  
A207710 3.13393 [  $[-(x^{11}-$   
 $x^{10}+2*x^9-2*x^8+2*x^7-2*x^6+3*x^5-2*x^4+2*x^3-2*x^2+x-1)/(-x^{12}-x^{10}+x^2+1)$   
ogf\_with\_Euler\_transform]  
A207712 3.82604 [  $-$   
 $(9*x^9+6*x^8-120*x^7-200*x^6+100*x^5+256*x^4-15*x^3-78*x^2+6)/(x-1)/(x^2+x-1)/$   
 $(x^2+2*x-1)/(x^4-2*x^3-7*x^2-2*x+1)$  ogf]  
A207718 7.31614 [  $[-6*(x^4-4*x^3+4*x+1)/(x+1)/(x^2-4*x+1)/(x^2-x-1)$  ogf]  
A207719 5.99146 [  $[-9*(x-1)*(6*x^3-3*x^2-6*x-1)/(6*x^5-9*x^4-8*x^3+10*x^2+4*x-1)$   
ogf]  
A207724 4.62562 [  $(x^9-x^8-x^7-9*x^6+3*x^5+7*x^4+9*x^3-18*x^2+18*x+6)/(x-1)/$   
 $(x^3-x^2-1)/(x^3+x-1)/(x^3+2*x^2+x-1)$  ogf]  
A207725 4.66350 [  $[-(x^9+x^8+45*x^6+5*x^5-51*x^4-69*x^3+56*x^2-54*x-9)/(x-1)/$   
 $(x^3-x^2-1)/(x^3+x-1)/(x^3+2*x^2+x-1)$  ogf]  
A207730 4.39132 [  $[-(27*x^8-9*x^7-9*x^6-51*x^5-39*x^4-17*x^3+6*x^2+24*x+6)/$   
 $(3*x-1)/(x^2+1)/(x^2-x-1)/(9*x^4-3*x^2-1)$  ogf]  
A207737 4.64692 [  $[-(16*x^6-55*x^5-235*x^4+40*x^3+188*x^2-9*x-9)/(x-1)/(x+1)/$   
 $(x^2-6*x+1)/(x^2+2*x-1)$  ogf]  
A207769 5.98011 [  $6*(x^6+x^5-3*x^4-x^3+2*x^2-3*x-1)/(x^4+2*x^3+x^2+x-1)/(x-1)^2$   
ogf]  
A207792 5.01453 [  $-32*(252*x^4+240*x^3+93*x^2+61*x+8)/$   
 $(336*x^5+272*x^4+83*x^3+61*x^2+x-1)$  ogf]  
A207809 5.28921 [  $-10*(x^5+x^4-11*x^3+4*x^2+8*x+1)/(x^2-x-1)/$   
 $(x^4+2*x^3-9*x^2-3*x+1)$  ogf]  
A207817 4.30744 [  $\{(256*n^3+1152*n^2+1712*n+840)*a(n+1)+(-n^3-7*n^2-16*n-12)*a(n$   
 $+2), a(0) = 1, a(1) = 12\}$ , ogf]  
A207832 11.8929 [  $2*x/(x^2-18*x+1)$  ogf]  
A207832 5.51137 [  $\{a(n+2)-18*a(n+1)+a(n), a(0) = 0, a(1) = 2\}$ , ogf]  
A207832 9.03864 [  $[-(2*x-18)/(x^2-18*x+1)$  lgdogf]  
A207836 8.45892 [  $[-(2*x^3-24*x^2+42*x-16)/(x^4-12*x^3+36*x^2-20*x+3)$  lgdogf]  
A207836 9.83064 [  $x*(x^2-8*x+3)/(x^2-4*x+1)^2$  ogf]  
A207840 5.14022 [  $2*(2*x^7-3*x^6+5*x^5+8*x^4+3*x^3-6*x^2-15*x-3)/(x^6-$   
 $x^5+2*x^4+5*x^3+4*x^2+x-1)$  ogf]  
A207846 12.6341 [  $6*(x^2-4*x-1)/(x^2+2*x-1)$  ogf]  
A207846 6.55999 [  $\{a(n+3)-2*a(n+2)-a(n+1), a(0) = 6, a(1) = 36, a(2) = 72\}$ , ogf]  
A207846 9.88752 [  $[-(-6*x^2-6)/(x^4-2*x^3-10*x^2+2*x+1)$  lgdogf]  
A207847 7.34482 [  $10*(x^4-7*x^3+8*x^2+9*x+1)/(x^4-x^3-6*x^2-x+1)$  ogf]  
A207848 4.03607 [  $16*(x^8-8*x^7-5*x^6+88*x^5-58*x^4-68*x^3+29*x^2+16*x+1)/$   
 $(x^8-15*x^6+4*x^5+32*x^4-4*x^3-15*x^2+1)$  ogf]  
A207854 3.78141 [  $[-(9*x^9+x^8-64*x^6-10*x^5+2*x^4+132*x^3-44*x^2+45*x+9)/$   
 $(x^4-2*x^2-4*x+1)/(x^6+x^4-4*x^3-x^2-1)$  ogf]  
A207896 6.34293 [  $-6*(2*x^5+3*x^4+5*x^3+6*x^2+5*x+1)/(x^5+x^4+2*x^3+2*x^2+x-1)$

ogf]  
 A207924 5.02189 [ (17\*x^7-7\*x^6+17\*x^5-125\*x^4-9\*x^3-45\*x^2+63\*x+9)/(x^3+x^2+3\*x-1)/(x^3-x^2-x-1) ogf]  
 A207929 9.51615 [ 6\*(x^4+2\*x^3-4\*x-1)/(x^2+1)/(x^2+2\*x-1) ogf]  
 A207935 5.94496 [ -2\*(x^5-6\*x^4-9\*x^3+61\*x^2-56\*x-7)/(x-1)^6 ogf]  
 A207936 4.61760 [ -2\*(x^6-15\*x^5+68\*x^4-59\*x^3-110\*x^2+165\*x+11)/(x-1)^7 ogf]  
 A207937 4.31901 [ -(x^7-5\*x^6+191\*x^5-863\*x^4+1269\*x^3-157\*x^2-945\*x-35)/(x-1)^8 ogf]  
 A207939 3.58189 [ -  
 (26\*x^9+29\*x^8-171\*x^7-223\*x^6+189\*x^5+247\*x^4-63\*x^3-76\*x^2+6\*x+6)/(x-1)/  
 (2\*x-1)/(x+1)/(x^2+x-1)/(x^4-5\*x^2-2\*x+1) ogf]  
 A207944 11.0776 [ -(-x^5+2\*x^4+2\*x^2)/(x^4-1) ogf\_with\_Euler\_transform]  
 A207969 12.2620 -(-5\*x^3+20\*x^2+20\*x-5)/(-x^5+5\*x^4+15\*x^3-15\*x^2-5\*x+1) lgdogf  
 A207969 7.60015 [ -(-5\*x^3+20\*x^2+20\*x-5)/(-x^5+5\*x^4+15\*x^3-15\*x^2-5\*x+1)  
 lgdogf]  
 A207970 7.62247 -(5\*x^5-60\*x^4-265\*x^3+265\*x^2+60\*x-5)/  
 (x^7-13\*x^6-104\*x^5+260\*x^4+260\*x^3-104\*x^2-13\*x+1) lgdogf  
 A207994 5.24144 [ -(8\*x^4-44\*x^3+77\*x^2-47\*x+8)/  
 (8\*x^5-48\*x^4+92\*x^3-65\*x^2+16\*x-1) ogf]  
 A207995 3.34803 [ -(688\*x^6-2736\*x^5+4206\*x^4-3198\*x^3+1257\*x^2-237\*x+16)/  
 (516\*x^7-2152\*x^6+3519\*x^5-2901\*x^4+1278\*x^3-291\*x^2+30\*x-1) ogf]  
 A208003 3.23451 [ -  
 (234\*x^9-603\*x^8-767\*x^7+2044\*x^6+299\*x^5-1588\*x^4+223\*x^3+238\*x^2-27\*x-9)/  
 (x-1)/(x+1)/(x^2-3\*x+1)/(x^2+x-1)/(6\*x^3-7\*x^2-2\*x+1) ogf]  
 A208014 4.56277 [ -(148\*x^7+714\*x^6+404\*x^5-167\*x^4-364\*x^3-126\*x^2-72\*x-9)/  
 (4\*x^3-2\*x^2-1)/(4\*x^3+4\*x^2+x-1) ogf]  
 A208016 4.23203 [ -  
 (8505\*x^7+15228\*x^6+3915\*x^5-3015\*x^4-2601\*x^3-480\*x^2-240\*x-16)/  
 (9\*x^3-3\*x^2-1)/(9\*x^3+6\*x^2+x-1) ogf]  
 A208023 3.95406 [ -(9\*x^9+6\*x^8-8\*x^7-50\*x^6-3\*x^5+48\*x^4+93\*x^3+60\*x^2+30\*x+6)/  
 (x^9-x^7-5\*x^6+3\*x^5+4\*x^4+8\*x^3+x^2+x-1) ogf]  
 A208029 7.24001 [ -9\*(x-1)\*(10\*x^2+8\*x+1)/(10\*x^4-2\*x^3-11\*x^2-2\*x+1) ogf]  
 A208030 4.03260 [ -13\*(4\*x^6-3\*x^5-28\*x^4+38\*x^3+x^2-10\*x-1)/(x-1)/  
 (4\*x^6+x^5-30\*x^4+12\*x^3+21\*x^2+2\*x-1) ogf]  
 A208034 13.8527 [ -(2\*x-2)/(x^3-5\*x^2-5\*x+1) lgdogf]  
 A208034 29.3413 [ -(2\*x-2)/(x^3-5\*x^2-5\*x+1) lgdogf]  
 A208034 4.59024 [ {(n+3)\*a(n+3)+(-12-5\*n)\*a(n+2)+(-3-5\*n)\*a(n+1)+n\*a(n), a(0) =  
 1, a(1) = 2, a(2) = 6}, ogf]  
 A208035 5.50756 [ -(16\*x^6+9\*x^5+17\*x^4-86\*x^3-100\*x^2-63\*x-9)/(x^3+x^2+3\*x-1)/  
 (x^3-x^2-x-1) ogf]  
 A208044 11.2015 [ 2\*(x-1)\*(2\*x-1)/(8\*x^2-7\*x+1) ogf]  
 A208044 5.76389 [ {a(n+3)-7\*a(n+2)+8\*a(n+1), a(0) = 2, a(1) = 8, a(2) = 44}, ogf]  
 A208044 7.61129 [ -(10\*x^2-12\*x+4)/(-16\*x^4+38\*x^3-31\*x^2+10\*x-1) lgdogf]  
 A208046 6.92561 [ (32\*x^4-84\*x^3+60\*x^2-28\*x+5)/(64\*x^4-68\*x^3+40\*x^2-12\*x+1)  
 ogf]  
 A208055 10.6462 [ -(2\*x^3+26\*x^2+26\*x-2)/(-x^5+29\*x^4+174\*x^3-174\*x^2-29\*x+1)  
 lgdogf]  
 A208055 6.77430 [ -(-2\*x^3+26\*x^2+26\*x-2)/(-x^5+29\*x^4+174\*x^3-174\*x^2-29\*x+1)  
 lgdogf]  
 A208064 11.3366 [ 6\*(x^4-2\*x^3-4\*x-1)/(x+1)/(x-1)^3 ogf]  
 A208064 8.94330 [ -(18\*x^2+12\*x+6)/(-x^6+2\*x^5+x^4+2\*x^3+x^2-4\*x-1) lgdogf]  
 A208065 5.02489 [ 2\*(5\*x^8-10\*x^7-10\*x^6+12\*x^5+12\*x^4+22\*x^3-10\*x^2-40\*x-5)/(x  
 +1)^3/(x-1)^5 ogf]  
 A208066 4.82486 [ 16\*(x^8-2\*x^7-2\*x^6+5\*x^5+3\*x^4-7\*x^3-10\*x^2-14\*x-1)/(x+1)^3/  
 (x-1)^5 ogf]  
 A208067 4.43180 [  
 2\*(13\*x^8-26\*x^7-26\*x^6+76\*x^5-28\*x^4-522\*x^3-338\*x^2-312\*x-13)/(x+1)^3/(x-1)^5  
 ogf]  
 A208070 3.37423 [  
 12\*(32\*x^10-24\*x^9-4\*x^8-114\*x^7+51\*x^6+31\*x^5+86\*x^4+x^3-2\*x^2-11\*x-1)/  
 (8\*x^3+4\*x^2+2\*x-1)/(x^6-x^5-3\*x^3+2\*x^2+x+1) ogf]

A208071 4.46483 [  $4*(448*x^7+32*x^6+36*x^5-522*x^4-45*x^3-63*x^2+56*x+4)/(4*x-1)/(x-1)/(x^2+x+1)/(4*x^2+2*x+1)$  ogf]  
A208079 5.20997 [  $\{a(n+3)-5*a(n+2)-5*a(n+1)+a(n), a(0) = 9, a(1) = 81, a(2) = 441\}$ , ogf]  
A208079 6.05198 [  $(-(-x^4+8*x^3-22*x^2-8*x-9)/(-x^5+9*x^4-14*x^3-26*x^2-x+1))$  lgdogf]  
A208079 9.66365 [  $-9*(x^2-4*x-1)/(x+1)/(x^2-6*x+1)$  ogf]  
A208080 3.80917 [  $-15*(x-1)*(x^6+2*x^5-25*x^4+2*x^3+31*x^2+12*x+1)/(x^8-36*x^6+28*x^5+70*x^4-24*x^3-40*x^2-4*x+1)$  ogf]  
A208084 3.72104 [  $-2*(324*x^9+108*x^8-1134*x^7-369*x^6+1008*x^5+309*x^4-252*x^3-65*x^2+10*x+4)/(3*x^2-1)/(9*x^4-9*x^2+1)/(9*x^4-21*x^2+1)$  ogf]  
A208086 8.73066 [  $-2*(7*x^3-17*x^2-8*x+12)/(x^2-3*x+1)/(x-1)/(x+1)$  ogf]  
A208087 8.46049 [  $-6*(7*x^3-17*x^2-8*x+12)/(x^2-3*x+1)/(x-1)/(x+1)$  ogf]  
A208088 10.6819 [  $(-(-2*x^2-6*x-5)/(-2*x^3-5*x^2-x+3))$  lgdogf]  
A208088 14.2425 [  $-36*(2*x+3)/(x^2+x-1)$  ogf]  
A208088 7.94931 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 108, a(1) = 180\}$ , ogf]  
A208089 8.58486 [  $-18*(7*x^3-17*x^2-8*x+12)/(x^2-3*x+1)/(x-1)/(x+1)$  ogf]  
A208103 5.29772 [  $-(15*x^6-20*x^5-70*x^4+33*x^3+54*x^2-12*x-6)/(x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A208104 5.42148 [  $-(40*x^6-55*x^5-185*x^4+99*x^3+137*x^2-45*x-9)/(x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A208109 3.98882 [  $-(216*x^8-36*x^7-36*x^6-300*x^5-114*x^4-53*x^3+9*x^2+63*x+9)/(6*x^3-7*x^2-2*x+1)/(36*x^6+12*x^4-7*x^2-1)$  ogf]  
A208110 3.45163 [  $-(1331*x^8-121*x^7-121*x^6-1595*x^5-319*x^4-153*x^3+14*x^2+168*x+14)/(11*x^3-12*x^2-2*x+1)/(121*x^6+22*x^4-12*x^2-1)$  ogf]  
A208111 3.50083 [  $-(6859*x^8-361*x^7-361*x^6-7619*x^5-855*x^4-417*x^3+22*x^2+440*x+22)/(19*x^3-20*x^2-2*x+1)/(361*x^6+38*x^4-20*x^2-1)$  ogf]  
A208112 3.26449 [  $-(32768*x^8-1024*x^7-1024*x^6-34880*x^5-2272*x^4-1119*x^3+35*x^2+1155*x+35)/(32*x^3-33*x^2-2*x+1)/(1024*x^6+64*x^4-33*x^2-1)$  ogf]  
A208114 5.23201 [  $(-x^7-x^6-3*x^5+11*x^4+67*x^3+45*x^2+63*x+9)/(x+1)^3/(x-1)^5$  ogf]  
A208119 4.02649 [  $-(256*x^7-64*x^6+96*x^5-280*x^4+40*x^3-90*x^2+36*x+9)/(x-1)/(2*x+1)/(2*x-1)/(4*x-1)/(2*x^2+1)/(8*x^2+1)$  ogf]  
A208121 3.61303 [  $-(6561*x^7+1458*x^6+3159*x^5-4158*x^4+945*x^3-672*x^2+144*x+16)/(3*x-1)/(3*x+1)/(9*x^2-7*x+1)/(81*x^4+21*x^2+1)$  ogf]  
A208124 3.84526 [  $\{(2*n^2+3*n)*a(n)+(-4*n^2-19*n-15)*a(n+1)+(2*n^2+17*n+30)*a(n+2)+(-n-3)*a(n+3), a(0) = 2, a(1) = 8, a(2) = 60\}$ , ogf]  
A208131 15.1096 [  $-(6*x^2+3*x+1)/(12*x^3-1)$  ogf]  
A208131 7.33474 [  $(-(-72*x^4-72*x^3-36*x^2-12*x-3)/(-72*x^5-36*x^4-12*x^3+6*x^2+3*x+1))$  lgdogf]  
A208131 9.81140 [  $\{a(n+3)-12*a(n), a(0) = 1, a(1) = 3, a(2) = 6\}$ , ogf]  
A208138 11.5116 [  $(-3*x^2+18*x+9)/(x^3+3*x^2-3*x-1)$  lgdogf]  
A208138 3.85697 [  $\{(n+4)*a(n+4)+3*n*a(n+3)+(-24-3*n)*a(n+2)+(-4-n)*a(n+1), a(0) = 9, a(1) = 81, a(2) = 324, a(3) = 900\}$ , ogf]  
A208138 9.35316 [  $-9*(x^2+4*x+1)/(x-1)^5$  ogf]  
A208139 10.4034 [  $(-12*x^2+36*x+12)/(3*x^3+3*x^2-5*x-1)$  lgdogf]  
A208139 3.38365 [  $\{(n+4)*a(n+4)+(3+5*n)*a(n+3)+(-42-3*n)*a(n+2)+(-15-3*n)*a(n+1), a(0) = 12, a(1) = 144, a(2) = 720, a(3) = 2400\}$ , ogf]  
A208139 7.65968 [  $12*(3*x^2+6*x+1)/(x-1)^6$  ogf]  
A208140 5.26509 [  $\{(n^2+10*n+25)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 16, a(1) = 256\}$ , ogf]  
A208140 5.92915 [  $-16*(x+1)*(x^2+8*x+1)/(x-1)^7$  ogf]  
A208140 8.77515 [  $(-4*x^3+48*x^2+72*x+16)/(x^4+8*x^3-8*x-1)$  lgdogf]  
A208141 5.30471 [  $\{(n^2+11*n+30)*a(n+1)+(-n^2-4*n-4)*a(n+2), a(0) = 20, a(1) = 400\}$ , ogf]  
A208141 5.52574 [  $20*(4*x^3+18*x^2+12*x+1)/(x-1)^8$  ogf]  
A208141 7.53510 [  $(-20*x^3+120*x^2+120*x+20)/(4*x^4+14*x^3-6*x^2-11*x-1)$  lgdogf]

A208170 5.03820 [  $(45x^4-183x^3+276x^2-151x+5)/(45x^2-57x+1)/(3x^2-5x+1)$  ogf]  
A208176 11.6687 [  $-(2x-1)(x^2-2x-1)/(x^2-3x+1)/(x-1)/(x+1)$  ogf]  
A208195 5.82040 [  $(8x^4+15x^3-12x^2-22x+2)/(2x^2+3x-1)/(12x^2+15x-1)$  ogf]  
A208215 5.18451 [  $\{-a(n+4)+15a(n+3)-55a(n+2)+51a(n+1), a(0) = 1, a(1) = 4, a(2) = 34, a(3) = 322\}$ , ogf]  
A208215 9.53949 [  $(x-1)(19x^2-10x+1)/(51x^3-55x^2+15x-1)$  ogf]  
A208253 5.00606 [  $\{-a(n+3)+22a(n+2)-16a(n+1), a(0) = 5, a(1) = 96, a(2) = 2040\}$ , ogf]  
A208253 6.43637 [  $-(48x^2-144x+96)/(-128x^4+400x^3-396x^2+124x-5)$  lgdogf]  
A208253 9.65455 [  $(2x-1)(4x-5)/(16x^2-22x+1)$  ogf]  
A208254 5.25173 [  $2(64x^4-128x^3+110x^2-43x+7)/(256x^4-416x^3+266x^2-61x+1)$  ogf]  
A208259 9.81934 [  $-(800x^{13}-800x^{12}+80x^3-80x^2-9x-1)/(x-1)^2$  ogf]  
A208264 5.18391 [  $\{a(n+3)-6a(n+2)-3a(n+1)+2a(n), a(0) = 4, a(1) = 25, a(2) = 161\}$ , ogf]  
A208264 9.77295 [  $-(x^2-x-4)/(2x^3-3x^2-6x+1)$  ogf]  
A208265 5.38023 [  $-(4x^4-13x^3-17x^2+9x+8)/(8x^5-30x^4-21x^3+20x^2+10x-1)$  ogf]  
A208283 3.63230 [  $\{(-483n^2-3120n-5013)a(n+1)+(1460n^2+10569n+21178)a(n+2)+(-977n^2-5473n-7626)a(n+3), a(0) = 10, a(1) = 100, a(2) = 378\}$ , ogf]  
A208283 8.31392 [  $2(3x^3+11x^2-25x-5)/(x-1)^5$  ogf]  
A208283 8.80298 [  $(-6x^3-42x^2+78x+50)/(-3x^4-8x^3+36x^2-20x-5)$  lgdogf]  
A208284 6.42848 [  $4(x-2)(4x^3-6x^2-21x-2)/(x-1)^6$  ogf]  
A208284 6.79936 [  $(-8x^4+26x^3+78x^2-182x-64)/(-4x^5+18x^4-5x^3-49x^2+36x+4)$  lgdogf]  
A208285 5.21296 [  $-2(3x^5+65x^4-230x^3+94x^2+247x+13)/(x-1)^7$  ogf]  
A208286 4.07819 [  $-2(19x^6-86x^5-203x^4+1156x^3-1005x^2-714x-21)/(x-1)^8$  ogf]  
A208288 6.53626 [  $-8(x^4-2x^3-3x^2+5x+1)/(x^2-x-1)/(x^3-x^2-4x+1)$  ogf]  
A208289 6.33506 [  $-10(x^5-6x^3-x^2+7x+1)/(x^6-7x^4-2x^3+10x^2+3x-1)$  ogf]  
A208290 4.02696 [  $-12(x-1)(x^5-x^4-6x^3+3x^2+9x+1)/(x^7-2x^6-6x^5+10x^4+10x^3-11x^2-4x+1)$  ogf]  
A208291 4.16950 [  $-14(x+1)(x^6-x^5-7x^4+6x^3+12x^2-9x-1)/(x^8-9x^6-2x^5+23x^4+7x^3-16x^2-4x+1)$  ogf]  
A208309 13.4632 [  $-2(x-2)/(3x^2-5x+1)$  ogf]  
A208309 7.29933 [  $\{-a(n+2)+5a(n+1)-3a(n), a(0) = 4, a(1) = 18\}$ , ogf]  
A208309 9.04245 [  $(-3x^2+12x-9)/(-3x^3+11x^2-11x+2)$  lgdogf]  
A208310 7.43385 [  $-2(3x^3-9x^2+9x-4)/(9x^4-21x^3+21x^2-9x+1)$  ogf]  
A208311 3.32984 [  $-2(27x^7-162x^6+405x^5-504x^4+381x^3-186x^2+55x-8)/(3x^2-3x+1)/(27x^6-126x^5+180x^4-132x^3+60x^2-14x+1)$  ogf]  
A208316 10.8889 [  $(3x^2+3x-2)/(6x^2+8x-1)$  ogf]  
A208316 5.49629 [  $\{-a(n+3)+8a(n+2)+6a(n+1), a(0) = 2, a(1) = 13, a(2) = 113\}$ , ogf]  
A208316 7.49494 [  $(-6x^2-18x-13)/(18x^4+42x^3+9x^2-19x+2)$  lgdogf]  
A208317 3.96635 [  $\{a(n+4)-24a(n+3)-32a(n+2)+24a(n+1), a(0) = 5, a(1) = 113, a(2) = 2852, a(3) = 71956\}$ , ogf]  
A208317 7.71830 [  $(12x^3-20x^2-7x+5)/(24x^3-32x^2-24x+1)$  ogf]  
A208318 3.79529 [  $2(432x^5-1200x^4+426x^3+137x^2-36x-7)/(1728x^5-4224x^4+320x^3+600x^2+65x-1)$  ogf]  
A208327 5.40759 [  $(3x^{11}-x^{10}-x^9+2x^8-x^7-x^6+x^5+x^4-2x^3+x^2+x+1)/(x+1)/(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A208347 4.80925 [  $\{a(n+4)-10a(n+3)+9a(n+2), a(0) = 2, a(1) = 15, a(2) = 100, a(3) = 868\}$ , ogf]  
A208347 9.16048 [  $(3x+1)(x^2-11x+2)/(9x-1)/(x-1)$  ogf]  
A208354 10.1852 [  $(x^3-2x^2-2x-1)/(x^4+x^3-2x^2-x+1)$  lgdogf]  
A208354 10.5821 [  $(x+1)(x-1)^2/(x^2+x-1)^2$  ogf]  
A208354 3.67036 [  $\{(2n^2+7n+6)a(n+1)+(-15-8n)a(n+2)+(-4n^2-14n-1)a(n+3)+(2n^2+9n+4)a(n+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 4\}$ , ogf]  
A208355 14.1535  $-1/2(8x^2+3(-4x^2+1)^{1/2}+2x-3)/x/(2x-1)/(2x+1)$  lgdogf

A208355 8.61951  $[-1/2*(8*x^2+3*(-4*x^2+1)^{(1/2)}+2*x-3)/x/(2*x-1)/(2*x+1) \text{ lgdogf}]$   
A208370 3.64448  $[-9*(4*x^7-15*x^6-10*x^5+28*x^4+16*x^3-11*x^2-8*x-1)/(x+1)/(4*x^7-19*x^6+6*x^5+32*x^4-6*x^3-17*x^2-2*x+1) \text{ ogf}]$   
A208375 10.7177  $[-(-6*x^2+8*x+10)/(-x^4-2*x^3+10*x^2-6*x-1) \text{ lgdogf}]$   
A208375 10.8645  $[10*(x^3+3*x^2-7*x-1)/(x-1)^3 \text{ ogf}]$   
A208375 5.70582  $[{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1)}, a(0) = 10, a(1) = 100, a(2) = 240, a(3) = 420], \text{ ogf}]$   
A208376 10.5400  $[16*(x^3+x^2-13*x-1)/(x-1)^3 \text{ ogf}]$   
A208376 11.4700  $[ -(-4*x^2+24*x+16)/(-x^4+14*x^2-12*x-1) \text{ lgdogf}]$   
A208376 5.57114  $[{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1)}, a(0) = 16, a(1) = 256, a(2) = 704, a(3) = 1344], \text{ ogf}]$   
A208377 5.18277  $[{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1)}, a(0) = 26, a(1) = 676, a(2) = 2080, a(3) = 4212], \text{ ogf}]$   
A208377 9.61541  $[-(2*x^2+56*x+26)/(-x^4+6*x^3+18*x^2-22*x-1) \text{ lgdogf}]$   
A208377 9.74361  $[26*(x^3-5*x^2-23*x-1)/(x-1)^3 \text{ ogf}]$   
A208378 7.96394  $[42*(x^4-14*x^3-14*x^2+38*x+1)/(x-1)^4 \text{ ogf}]$   
A208378 8.60471  $[-(10*x^3+70*x^2-86*x-42)/(-x^5+15*x^4-52*x^2+37*x+1) \text{ lgdogf}]$   
A208380 4.92239  $[4*(16*x^7-12*x^6+22*x^5+31*x^4+4*x^3-3*x^2-14*x-2)/(4*x^2+2*x-1)/(x^4-x^3+2*x^2+x+1) \text{ ogf}]$   
A208381 4.60024  $[2*(162*x^7-81*x^6+153*x^5+210*x^4+17*x^3-2*x^2-45*x-5)/(9*x^6-3*x^5+8*x^4+13*x^3+4*x^2+x-1) \text{ ogf}]$   
A208382 4.58264  $[4*(256*x^7-96*x^6+184*x^5+250*x^4+15*x^3+3*x^2-33*x-3)/(16*x^6-4*x^5+11*x^4+17*x^3+4*x^2+x-1) \text{ ogf}]$   
A208383 4.27165  $[2*(1250*x^7-375*x^6+725*x^5+980*x^4+47*x^3+18*x^2-91*x-7)/(25*x^6-5*x^5+14*x^4+21*x^3+4*x^2+x-1) \text{ ogf}]$   
A208384 8.41022  $[-(6*x^5-x^4+x^3+2*x^2+x-1)/(-x^6+1) \text{ ogf\_with\_Euler\_transform}]$   
A208385 6.64612  $[ -(-6*x^4+4*x^3-5*x^2+x-2)/(x^5-x^4+x^3-x^2+x-1) \text{ ogf\_with\_Euler\_transform}]$   
A208387 13.6649  $[-117/(-338*x^2+143*x-5) \text{ lgdogf}]$   
A208387 14.7161  $[(-5+13*x)/(26*x-1) \text{ ogf}]$   
A208387 7.65235  $[{a(n+2)-26*a(n+1)}, a(0) = 5, a(1) = 117], \text{ ogf}]$   
A208388 4.21385  $[{a(n+3)-76*a(n+2)+36*a(n+1)}, a(0) = 14, a(1) = 1017, a(2) = 76806], \text{ ogf}]$   
A208388 5.18627  $[-(324*x^2-972*x+1017)/(-648*x^4+3060*x^3-4094*x^2+1111*x-14) \text{ lgdogf}]$   
A208388 8.13709  $[(18*x^2-47*x+14)/(36*x^2-76*x+1) \text{ ogf}]$   
A208389 3.09021  $[{a(n+4)-222*a(n+3)+612*a(n+2)-432*a(n+1)}, a(0) = 41, a(1) = 8838, a(2) = 1937736, a(3) = 424785708], \text{ ogf}]$   
A208389 5.87894  $[(540*x^3-792*x^2+264*x-41)/(432*x^3-612*x^2+222*x-1) \text{ ogf}]$   
A208393 4.83379  $[{-a(n+4)+8*a(n+3)+6*a(n+2)}, a(0) = 2, a(1) = 14, a(2) = 117, a(3) = 1017], \text{ ogf}]$   
A208393 9.50910  $[(x+1)*(3*x^2+4*x-2)/(6*x^2+8*x-1) \text{ ogf}]$   
A208394 5.65499  $[(24*x^5+4*x^4-78*x^3-42*x^2+12*x+5)/(2*x+1)/(24*x^3-32*x^2-24*x+1) \text{ ogf}]$   
A208402 4.58596  $[{-a(n+3)+21*a(n+2)-84*a(n+1)+64*a(n)}, a(0) = 2, a(1) = 15, a(2) = 187], \text{ ogf}]$   
A208402 8.19914  $[-(40*x^2-27*x+2)/(x-1)/(4*x-1)/(16*x-1) \text{ ogf}]$   
A208403 4.63619  $[{a(n+3)-70*a(n+2)+441*a(n+1)}, a(0) = 5, a(1) = 182, a(2) = 10682], \text{ ogf}]$   
A208403 5.41702  $[-(63798*x^2-4116*x+182)/(-64827*x^4+84378*x^3-14112*x^2+518*x-5) \text{ lgdogf}]$   
A208403 8.57695  $[(147*x^2-168*x+5)/(63*x-1)/(7*x-1) \text{ ogf}]$   
A208404 4.45891  $[(192*x^4-1276*x^3+2349*x^2-1232*x+15)/(4*x^2-13*x+1)/(144*x^2-249*x+1) \text{ ogf}]$   
A208409 5.32980  $[(x+1)*(8*x^4+22*x^3-3*x^2-23*x+2)/(2*x^2+3*x-1)/(12*x^2+15*x-1) \text{ ogf}]$   
A208421 5.99488  $[-9*(2*x^4-3*x^3-5*x^2+6*x+1)/(2*x^5-3*x^4-6*x^3+7*x^2+3*x-1) \text{ ogf}]$   
A208428 14.0052  $[2*(x^2-3*x-1)/(4*x-1) \text{ ogf}]$   
A208428 7.32829  $[{-a(n+3)+4*a(n+2)}, a(0) = 2, a(1) = 14, a(2) = 54], \text{ ogf}]$   
A208428 9.69589  $[-(4*x^2-2*x+7)/(-4*x^3+13*x^2+x-1) \text{ lgdogf}]$

A208435 5.89655 [  $[-(4*x^{11}-x^{10}+3*x^9-2*x^8-x^6+4*x^5-x^4-2*x^2+3*x-1)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]  
A208439 6.08904 [  $-2*(x-1)*(6*x^3+3*x^2+8*x+3)/(8*x^5-8*x^4+7*x^3-10*x^2-3*x+1)$  ogf]  
A208451 11.9164 [  $[-(4*x^3+4*x^2+6*x+4)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A208457 5.89655 [  $[-(4*x^{11}+x^{10}+2*x^9+2*x^8+x^6+2*x^5+x^4+2*x^2+2*x+1)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]  
A208473 3.25765 [  $\{(-16*n^2-64*n-60)*a(n+1)+(-16*n^2-72*n-80)*a(n+2)+(n^2+5*n+6)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 78\}$ , ogf]  
A208481 14.3348 [  $(x-1)/(x^4+x^3+3*x-1)$  ogf]  
A208481 9.04455 [  $[-(3*x^4-2*x^3-3*x^2-2)/(x^5-x^3+3*x^2-4*x+1)$  lgdogf]  
A208485 11.0551 [  $-8*(28*x-19)/(14*x^2-11*x+1)$  ogf]  
A208485 6.33493 [  $\{a(n+2)-11*a(n+1)+14*a(n), a(0) = 152, a(1) = 1448\}$ , ogf]  
A208485 7.32219 [  $-(-392*x^2+532*x-181)/(-392*x^3+574*x^2-237*x+19)$  lgdogf]  
A208486 4.22250 [  $-8*(832*x^4+2664*x^3-4084*x^2+1615*x-181)/(104*x^5+328*x^4-528*x^3+227*x^2-32*x+1)$  ogf]  
A208496 4.20622 [  $2*(2*x^{10}-6*x^9-2*x^8-12*x^7+11*x^6-3*x^5-9*x^4-33*x^3-27*x^2-18*x-3)/(x^9+x^7-2*x^6+2*x^5+2*x^4+4*x^3+x^2-1)$  ogf]  
A208502 10.5888 [  $9*(14*x^3-x^2-8*x-1)/(4*x^2+x-1)$  ogf]  
A208502 5.69483 [  $\{-a(n+4)+a(n+3)+4*a(n+2), a(0) = 9, a(1) = 81, a(2) = 126, a(3) = 324\}$ , ogf]  
A208503 4.08606 [  $\{a(n+5)-a(n+4)-6*a(n+3)+3*a(n+2), a(0) = 13, a(1) = 169, a(2) = 234, a(3) = 650, a(4) = 1794\}$ , ogf]  
A208503 7.40299 [  $13*(19*x^4-43*x^3-x^2+12*x+1)/(3*x^3-6*x^2-x+1)$  ogf]  
A208504 5.38998 [  $19*(40*x^6-52*x^5-113*x^4+96*x^3+21*x^2-17*x-1)/(4*x^5-4*x^4-11*x^3+7*x^2+2*x-1)$  ogf]  
A208505 4.81910 [  $28*(136*x^6-160*x^5-170*x^4+170*x^3+32*x^2-26*x-1)/(8*x^5-8*x^4-10*x^3+8*x^2+2*x-1)$  ogf]  
A208528 18.2671 [  $4*x/(x-1)^2$  egf]  
A208528 24.1387 [  $2/(-x+1)$  lgdegf]  
A208528 6.08904 [  $\{(-n^2-4*n-4)*a(n+1)+(n+1)*a(n+2), a(0) = 0, a(1) = 4\}$ , ogf]  
A208529 27.0775 [  $-2/(x-1)$  egf]  
A208529 28.2058 [  $1/(-x+1)$  lgdegf]  
A208529 7.69248 [  $\{(-n-2)*a(n+1)+a(n+2), a(0) = 2, a(1) = 2\}$ , ogf]  
A208531 5.12646 [  $(4*x^{11}-6*x^{10}+6*x^9-10*x^8+7*x^7-7*x^6+8*x^5-2*x^4+4*x^2-4*x+2)/(x-1)^4$  ogf]  
A208536 16.4495 [  $-(4*x+8)/(x^2-1)$  lgdogf]  
A208536 34.1623 [  $[8-2*x]$  ogf\_with\_Euler\_transform]  
A208536 5.48317 [  $\{(n+1)*a(n+3)-8*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 6\}$ , ogf]  
A208536 7.46163 [  $6*x^2*(x+1)^2/(x-1)^6$  ogf]  
A208537 4.96764 [  $6*x^2*(3*x^4+28*x^3+58*x^2+28*x+3)/(x-1)^8$  ogf]  
A208545 5.22210 [  $3*x^2*(3*x^4+28*x^3+58*x^2+28*x+3)/(x-1)^8$  ogf]  
A208556 5.42948 [  $\{-a(n+3)+3*a(n+2)+6*a(n+1)-8*a(n), a(0) = 9, a(1) = 81, a(2) = 225\}$ , ogf]  
A208556 9.91095 [  $-9*(8*x^2-6*x-1)/(x-1)/(2*x+1)/(4*x-1)$  ogf]  
A208557 7.27104 [  $-12*(36*x^3-6*x^2-11*x-1)/(3*x^2-x-1)/(12*x^2+2*x-1)$  ogf]  
A208558 5.06002 [  $\{-a(n+3)+4*a(n+2)+12*a(n+1)-27*a(n), a(0) = 16, a(1) = 256, a(2) = 784\}$ , ogf]  
A208558 8.85503 [  $-16*(27*x^2-12*x-1)/(3*x+1)/(9*x^2-7*x+1)$  ogf]  
A208559 6.48438 [  $-20*(144*x^3-12*x^2-19*x-1)/(144*x^4-12*x^3-31*x^2-x+1)$  ogf]  
A208561 11.1351 [  $2*(x-1)*(2*x-1)/(8*x^2-8*x+1)$  ogf]  
A208561 5.67461 [  $\{a(n+3)-8*a(n+2)+8*a(n+1), a(0) = 2, a(1) = 10, a(2) = 68\}$ , ogf]  
A208561 7.66440 [  $-(8*x^2-12*x+5)/(-16*x^4+40*x^3-34*x^2+11*x-1)$  lgdogf]  
A208562 5.17360 [  $(30*x^4-110*x^3+113*x^2-42*x+5)/(60*x^4-180*x^3+110*x^2-22*x+1)$  ogf]  
A208589 4.91386 [  $-(-2*x^5+x^4-x^3+x^2-x+2)/(-x^7-x^6-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A208598 10.1564 [  $-(x^3-4*x^2+x-6)/(x-1)^4$  ogf]

A208598 3.99002 [  $\{(161*n^2+967*n+1290)*a(n+1)+(-30*n^2+816*n+2718)*a(n+2)+(-131*n^2-907*n-1542)*a(n+3), a(0) = 6, a(1) = 23, a(2) = 60\}$ , ogf]  
A208598 9.65485 [  $(-x^3+5*x^2+5*x+23)/(-x^4+5*x^3-5*x^2+7*x-6)$  lgdogf]  
A208599 7.26459 [  $(-x^4+4*x^3-36*x^2-120*x-77)/(-x^5+5*x^4-20*x^3-6*x^2+11*x+11)$  lgdogf]  
A208599 7.63523 [  $(-x^4-4*x^3+16*x^2+22*x+11)/(x-1)^5$  ogf]  
A208600 5.98087 [  $(-x^5-6*x^4-8*x^3-172*x^2-141*x-26)/(x-1)^6$  ogf]  
A208601 4.65193 [  $(-x^6-6*x^5+71*x^4+750*x^3+1727*x^2+764*x+57)/(x-1)^7$  ogf]  
A208603 4.14914 [  $(-2*x^9-x^8+x^7-x^2+x-2)/(x^{11}+x^{10}+x^9+x^8+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A208633 10.1493 [  $(-4*x^2-17*x+8)/(x^3-6*x^2+5*x-1)$  ogf]  
A208633 5.51977 [  $\{-a(n+3)+5*a(n+2)-6*a(n+1)+a(n), a(0) = 8, a(1) = 23, a(2) = 71\}$ , ogf]  
A208634 5.30621 [  $\{-a(n+3)+6*a(n+2)-10*a(n+1)+4*a(n), a(0) = 16, a(1) = 47, a(2) = 150\}$ , ogf]  
A208634 9.55118 [  $(-28*x^2-49*x+16)/(2*x-1)/(2*x^2-4*x+1)$  ogf]  
A208635 7.67273 [  $(-16*x^3-124*x^2+129*x-32)/(x-1)/(x^3-9*x^2+6*x-1)$  ogf]  
A208636 7.18847 [  $(-144*x^3-444*x^2+321*x-64)/(x^2-3*x+1)/(5*x^2-5*x+1)$  ogf]  
A208638 10.3022 [  $(-12*x^2+27*x-13)/(-6*x^3+17*x^2-15*x+4)$  lgdogf]  
A208638 13.4123 [  $(3*x-4)/(2*x-1)/(x-1)^2$  ogf]  
A208638 6.23554 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 4, a(1) = 13, a(2) = 32\}$ , ogf]  
A208639 8.65506 [  $(2*x^4-3*x^2-6*x+8)/(2*x-1)/(x-1)^3$  ogf]  
A208640 5.89782 [  $(4*x^6+2*x^5-16*x^4-8*x^3+26*x^2+7*x-16)/(2*x-1)/(x-1)^4$  ogf]  
A208641 4.66090 [  $(8*x^8+4*x^7-34*x^6-37*x^5+85*x^4+74*x^3-140*x^2+9*x+32)/(2*x-1)/(x-1)^5$  ogf]  
A208642 3.74330 [  $(16*x^{10}+8*x^9-78*x^8-77*x^7+144*x^6+378*x^5-428*x^4-402*x^3+600*x^2-98*x-64)/(2*x-1)/(x-1)^6$  ogf]  
A208658 7.51683 [  $(-8*x^3-42*x^2+49*x-17)/(4*x^4-20*x^3+31*x^2-19*x+4)$  lgdogf]  
A208658 8.61929 [  $x*(2*x^2-7*x+4)/(x-1)^2/(2*x-1)^2$  ogf]  
A208672 5.22038 [  $(x^{22}-x^{21}+x^{11}-2*x^7-2*x^6-x^5-2*x^4-2*x^3-2*x^2-2*x-1)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf]  
A208674 7.86797 [  $(-4*x^4+2*x^3+6*x^2-4*x+1)/(2*x^2+2*x-1)/(2*x^3-3*x^2-3*x+1)$  ogf]  
A208689 10.6274 [  $-6*(3*x^2-4*x-1)/(3*x-1)/(x^2-x-1)$  ogf]  
A208689 5.87304 [  $\{-a(n+3)+2*a(n+2)+4*a(n+1)-3*a(n), a(0) = 6, a(1) = 36, a(2) = 78\}$ , ogf]  
A208689 6.69527 [  $(-9*x^4+24*x^3-13*x^2-2*x-6)/(-9*x^5+24*x^4-7*x^3-15*x^2+2*x+1)$  lgdogf]  
A208690 7.95344 [  $-9*(10*x^3-2*x^2-8*x-1)/(10*x^4-2*x^3-10*x^2-x+1)$  ogf]  
A208691 7.37848 [  $-14*(32*x^3-4*x^2-13*x-1)/(32*x^4-4*x^3-17*x^2-x+1)$  ogf]  
A208692 6.49807 [  $-21*(78*x^3-6*x^2-20*x-1)/(78*x^4-6*x^3-26*x^2-x+1)$  ogf]  
A208693 6.95959 [  $-31*(180*x^3-9*x^2-30*x-1)/(5*x+1)/(36*x^3-9*x^2-6*x+1)$  ogf]  
A208704 11.8101 [  $\{a(n+1)-7*a(n), a(0) = 4\}$ , ogf]  
A208704 21.9330 [  $7/(-7*x+1)$  lgdogf]  
A208704 24.5650 [  $-4/(7*x-1)$  ogf]  
A208705 10.5479 [  $-4*(x-2)/(4*x^2-13*x+1)$  ogf]  
A208705 5.70827 [  $\{a(n+2)-13*a(n+1)+4*a(n), a(0) = 8, a(1) = 100\}$ , ogf]  
A208705 7.13534 [  $(-4*x^2+16*x-25)/(-4*x^3+21*x^2-27*x+2)$  lgdogf]  
A208706 3.44998 [  $\{a(n+4)-24*a(n+3)+28*a(n+2)-16*a(n+1), a(0) = 16, a(1) = 356, a(2) = 8128, a(3) = 185344\}$ , ogf]  
A208706 6.62759 [  $4*(4*x^3-8*x^2+7*x-4)/(16*x^3-28*x^2+24*x-1)$  ogf]  
A208710 8.55923 [  $-4*(x^3-3*x-1)/(x+1)/(2*x^3-3*x^2-6*x+1)$  ogf]  
A208736 9.27954 [  $x^3*(3*x^2-3*x+1)/(x^2-3*x+1)/(5*x^2-5*x+1)$  ogf]  
A208737 7.43139 [  $-x^3*(3*x^2-3*x+1)/(x-1)/(3*x-1)/(3*x^3-9*x^2+6*x-1)$  ogf]  
A208778 10.2515 [  $26*(22*x^3+21*x^2-25*x-1)/(x^2+x-1)$  ogf]  
A208778 5.76116 [  $\{-a(n+4)+a(n+3)+a(n+2), a(0) = 26, a(1) = 676, a(2) = 156, a(3) = 260\}$ , ogf]  
A208779 5.57574 [  $\{-a(n+4)+a(n+3)+a(n+2), a(0) = 42, a(1) = 1764, a(2) = 252, a(3) = 420\}$ , ogf]

A208779 9.58084 [  $42*(38*x^3+37*x^2-41*x-1)/(x^2+x-1)$  ogf]  
A208790 7.72548 [  $-2*(x+1)*(4*x^2-6*x-3)/(4*x^4-10*x^3-16*x^2-2*x+1)$  ogf]  
A208826 5.51793 [  $-(x^6-2*x^5+5*x^4+30*x^3+27*x^2+24*x+7)/(x+1)^2/(x-1)^5$  ogf]  
A208827 6.17826 [  $-(x^5-6*x^4+2*x^3-96*x^2-59*x-18)/(x-1)^6$  ogf]  
A208828 3.74856 [  $-(x^9-4*x^8+28*x^7+462*x^6+2126*x^5+4100*x^4+4180*x^3+2050*x^2+481*x+32)/(x+1)^3/(x-1)^7$  ogf]  
A208841 10.1032 [  $-9*(6*x^2-7*x-1)/(6*x^3-7*x^2-2*x+1)$  ogf]  
A208841 5.53482 [  $\{a(n+3)-2*a(n+2)-7*a(n+1)+6*a(n), a(0) = 9, a(1) = 81, a(2) = 171\}$ , ogf]  
A208842 5.06567 [  $\{-a(n+3)+2*a(n+2)+12*a(n+1)-11*a(n), a(0) = 14, a(1) = 196, a(2) = 406\}$ , ogf]  
A208842 8.86493 [  $-14*(11*x^2-12*x-1)/(11*x^3-12*x^2-2*x+1)$  ogf]  
A208843 4.60224 [  $\{-a(n+3)+2*a(n+2)+20*a(n+1)-19*a(n), a(0) = 22, a(1) = 484, a(2) = 990\}$ , ogf]  
A208843 8.05391 [  $-22*(19*x^2-20*x-1)/(19*x^3-20*x^2-2*x+1)$  ogf]  
A208844 5.06152 [  $\{-a(n+3)+2*a(n+2)+33*a(n+1)-32*a(n), a(0) = 35, a(1) = 1225, a(2) = 2485\}$ , ogf]  
A208844 8.74920 [  $-35*(32*x^2-33*x-1)/(32*x^3-33*x^2-2*x+1)$  ogf]  
A208845 10.0892 [  $-(-2*x^3+2*x^2-4*x+2)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A208858 3.63696 [  $\{-a(n+4)+17*a(n+3)-48*a(n+2)+36*a(n+1), a(0) = 2, a(1) = 11, a(2) = 127, a(3) = 1691\}$ , ogf]  
A208858 6.83748 [  $(12*x^3-36*x^2+23*x-2)/(2*x-1)/(18*x^2-15*x+1)$  ogf]  
A208859 4.50619 [  $(240*x^5-1710*x^4+3389*x^3-1318*x^2+168*x-5)/(2*x-1)/(360*x^4-1233*x^3+489*x^2-57*x+1)$  ogf]  
A208866 5.75982 [  $(3*x^4-19*x^3+37*x^2-24*x+2)/(x^2-3*x+1)/(9*x^2-15*x+1)$  ogf]  
A208867 4.93158 [  $(54*x^4-267*x^3+345*x^2-139*x+5)/(x-1)/(3*x-1)/(54*x^2-51*x+1)$  ogf]  
A208873 5.54456 [  $2*(6*x^4-19*x^3+25*x^2-12*x+1)/(x-1)/(2*x-1)/(18*x^2-15*x+1)$  ogf]  
A208880 7.71310 [  $-(11*x^6-10*x^5-22*x^4+24*x^3+2*x^2-2*x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A208881 6.27631 [  $\{(27*n^2+27*n+6)*a(n)+(-n^2-2*n-1)*a(n+1), a(0) = 1, a(1) = 2\}$ , ogf]  
A208888 7.89889 [  $-1/4*(-x^2+(x^4-8*x^3+2*x^2+8*x+1)^{1/2}-1)/(x^2-1)$  revogf]  
A208890 13.1801 [hypergeom([1/4, 1/2],[1],32\*x) ogf]  
A208890 5.35776 [  $\{(-32*n^2-88*n-60)*a(n+1)+(n^2+4*n+4)*a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A208900 12.6677 [  $-2*(2*x^3-2*x+1)/(x-1)/(2*x-1)/(2*x^2-1)$  ogf]  
A208901 11.7268 [  $-(12*x^2-4*x-2)/(4*x^3-2*x^2-2*x+1)$  lgdogf]  
A208901 16.9386 [  $4*x^2/(2*x-1)/(2*x^2-1)$  ogf]  
A208901 6.92945 [  $\{a(n+3)-2*a(n+2)-2*a(n+1)+4*a(n), a(0) = 0, a(1) = 0, a(2) = 4\}$ , ogf]  
A208902 8.06084 [  $-2*(2*x^4-6*x^3+2*x^2+2*x-1)/(x-1)/(2*x^2-1)/(2*x-1)^2$  ogf]  
A208903 8.37743 [  $4*x*(3*x^3-x^2-2*x+1)/(x-1)/(2*x^2-1)/(2*x-1)^2$  ogf]  
A208933 4.71666 [  $(52*x^20-125*x^16-98*x^12-42*x^8-100*x^4-49)/(52*x^20+42*x^17-125*x^16+48*x^13-98*x^12+174*x^9-42*x^8+4*x^5-100*x^4+98*x-49)$  ogf]  
A208946 7.74300 [  $-(x^4-7*x^3-6*x^2-7*x-5)/(x^2+x+1)/(x-1)^4$  ogf]  
A208947 4.43868 [  $2*(x^8-6*x^7-21*x^6-48*x^5-63*x^4-66*x^3-47*x^2-22*x-4)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^5$  ogf]  
A208948 4.99830 [  $2*(7*x^5+88*x^4+169*x^3+172*x^2+82*x+10)/(x^2+x+1)/(x-1)^6$  ogf]  
A208950 4.47538 [  $x^2*(x^12+x^11+5*x^10+5*x^9+31*x^8+10*x^7+22*x^6+10*x^5+31*x^4+5*x^3+5*x^2+x+1)/(x-1)^4/(x+1)^4/(x^2+1)^4$  ogf]  
A208954 10.0862 [  $-(8*x^3+71*x^2+104*x+27)/(2*x^4+11*x^3-11*x-2)$  lgdogf]  
A208954 4.32265 [  $\{(-7*n^2-51*n-92)*a(n+1)+(14*n^2+84*n+232)*a(n+2)+(-7*n^2-33*n-38)*a(n+3), a(0) = 0, a(1) = 4, a(2) = 54\}$ , ogf]  
A208954 7.08759 [  $-2*x*(x+1)*(2*x^2+11*x+2)/(x-1)^7$  ogf]  
A208971 7.75544 [  $-(x^5-2*x^4-x^3+3*x^2-x-1)/(x+1)^2/(x-1)^4$  ogf]



A208978 4.78476  $[-(2*x^{11}-x^{10}+2*x^9-2*x^8+x^7-x^6+4*x^5-x^4+x^3-2*x^2+2*x-1)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]  
A208994 21.8868  $[-x^5-x^3+2*x^2+2*x+1]$  ogf\_with\_Euler\_transform]  
A208994 9.68963  $[-(x^2+1)*(x^2-x+1)/(x^2+x+1)/(x-1)^3]$  ogf]  
A208995 7.71118  $[-(-x^5+3*x^4+2*x^3+10*x^2+11*x+7)/(-x^6+3*x^5-2*x^3+3*x^2-x-2)]$  lgdogf]  
A208995 8.78909  $[-(x^4-3*x^3+x^2-x-2)/(x+1)/(x-1)^4]$  ogf]  
A208996 3.95876  $[-(x^{10}-x^9+14*x^7+25*x^6+32*x^5+39*x^4+36*x^3+22*x^2+11*x+3)/(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^5]$  ogf]  
A209008 9.40158  $[-(x^4-3*x^3+2*x^2-1)/(x+1)/(x-1)^4]$  ogf]  
A209013 4.52361  $[-2*(2*x^5-22*x^4+16*x^3+33*x^2-17*x-6)/(12*x^6-44*x^5+40*x^4+52*x^3-38*x^2-8*x+1)]$  ogf]  
A209033 3.62820  $[-(x^{12}-x^{11}+9*x^9+12*x^8+23*x^7+32*x^6+32*x^5+29*x^4+24*x^3+12*x^2+7*x+2)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^5]$  ogf]  
A209037 5.46733  $[(x^{13}-x^{11}+x^{10}+x^9-x^8-6*x^7-3*x^6+3*x^5+2*x^4+x^3+x^2+x+1)/(x+1)/(x^2+x+1)/(x-1)^2]$  ogf]  
A209041 4.52361  $[{a(n+3)-11*a(n+2)+5*a(n+1)+3*a(n), a(0) = 12, a(1) = 124, a(2) = 1300}]$ , ogf]  
A209041 8.54460  $[-4*(x+3)*(x-1)/(3*x^3+5*x^2-11*x+1)]$  ogf]  
A209074 4.69152  $[-2*(4*x^7+21*x^6+49*x^5+64*x^4+66*x^3+45*x^2+23*x+4)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^5]$  ogf]  
A209075 4.24098  $[-(2*x^8-9*x^7+16*x^6-30*x^5-161*x^4-355*x^3-330*x^2-170*x-19)/(x^2+x+1)/(x-1)^6]$  ogf]  
A209084 15.3119  $[-(-8*x-2)/(-4*x^2-2*x+1)]$  lgdogf]  
A209084 19.8641  $[-4*x/(4*x^2+2*x-1)]$  ogf]  
A209084 9.07373  $[{-a(n+2)+2*a(n+1)+4*a(n), a(0) = 0, a(1) = 4}]$ , ogf]  
A209094 11.4742  $[(2*x-1)*(x-2)/(4*x^2-8*x+1)]$  ogf]  
A209094 5.84743  $[{a(n+3)-8*a(n+2)+4*a(n+1), a(0) = 2, a(1) = 11, a(2) = 82}]$ , ogf]  
A209094 7.89783  $[-(4*x^2-12*x+11)/(-8*x^4+36*x^3-50*x^2+21*x-2)]$  lgdogf]  
A209095 3.62569  $[{a(n+4)-20*a(n+3)+44*a(n+2)-16*a(n+1), a(0) = 5, a(1) = 76, a(2) = 1326, a(3) = 23248}]$ , ogf]  
A209095 7.00641  $[(4*x-5)*(2*x^2-4*x+1)/(2*x-1)/(8*x^2-18*x+1)]$  ogf]  
A209096 4.80167  $[2*(28*x^5-177*x^4+337*x^3-216*x^2+83*x-7)/(64*x^5-425*x^4+705*x^3-356*x^2+49*x-1)]$  ogf]  
A209101 11.1351  $[(4*x^2-5*x+2)/(8*x^2-8*x+1)]$  ogf]  
A209101 5.67461  $[{-a(n+3)+8*a(n+2)-8*a(n+1), a(0) = 2, a(1) = 11, a(2) = 76}]$ , ogf]  
A209101 7.56614  $[-(-8*x^2+24*x-11)/(32*x^4-72*x^3+60*x^2-21*x+2)]$  lgdogf]  
A209102 5.25636  $[(48*x^4-124*x^3+72*x^2-28*x+5)/(60*x^4-180*x^3+110*x^2-22*x+1)]$  ogf]  
A209116 7.66709  $[-(3*x^4-11*x^3-4*x^2-7*x-5)/(x^2+x+1)/(x-1)^4]$  ogf]  
A209117 4.23577  $[(x^9-2*x^8-5*x^7-39*x^6-103*x^5-127*x^4-137*x^3-87*x^2-48*x-5)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^5]$  ogf]  
A209200 13.5157  $[-(24*x-4)/(32*x^2-12*x+1)]$  lgdogf]  
A209200 27.0775  $[-(24*x-4)/(32*x^2-12*x+1)]$  lgdogf]  
A209200 4.44711  $[{(-n-3)*a(n+3)+(28+12*n)*a(n+2)+(-56-32*n)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 20}]$ , ogf]  
A209220 5.47866  $[(17*x^7-44*x^6+28*x^5-44*x^4+6*x^3+10*x^2+72*x+9)/(x^3-x-1)/(x^3-x^2+2*x-1)]$  ogf]  
A209225 6.35956  $[(784*x^6+1008*x^5+160*x^4-34*x^3-45*x^2-72*x-9)/(4*x^2+1)/(4*x^2+x-1)]$  ogf]  
A209226 3.31642  $[(3078*x^{11}-2793*x^{10}-6855*x^9-960*x^8-3243*x^7+2032*x^6+5420*x^5+438*x^4-51*x^3-65*x^2-156*x-13)/(3*x^3-6*x^2-x+1)/(9*x^6+3*x^4-6*x^2-1)]$  ogf]  
A209230 7.49055  $[(x^2+x-1)*(x-1)^2/(2*x^4-4*x^2+4*x-1)]$  ogf]  
A209231 13.1604  $[x^4/(x-1)/(x^5-x^2+2*x-1)]$  ogf]  
A209231 7.81397  $[-(6*x^5-5*x^4-3*x^2+6*x-3)/(x^6-x^5-x^3+3*x^2-3*x+1)]$  lgdogf]  
A209239 8.29335  $[-(x+1)*(x^2+1)/(2*x^4+2*x^3+2*x^2+2*x-1)]$  ogf]

A209262 7.43169 [  $-(4x^4+29x^3+57x^2+5x+1)/(x-1)^5$  ogf]  
A209263 6.45652 [  $(x^5+105x^4+302x^3+182x^2+9x+1)/(x-1)^6$  ogf]  
A209264 4.69037 [  $-(5x^6+238x^5+1615x^4+1932x^3+515x^2+14x+1)/(x-1)^7$  ogf]  
A209265 3.98710 [  $(2x^7+607x^6+6960x^5+16595x^4+9754x^3+1341x^2+20x+1)/(x-1)^8$  ogf]  
A209267 3.48149 [  $-(6x^8+1371x^7+27991x^6+115317x^5+131793x^4+42757x^3+3297x^2+27x+1)/(x-1)^9$  ogf]  
A209294 10.1586 [  $-(-2x^2-10x-9)/(-2x^3-x^2+x+2)$  lgdogf]  
A209294 10.8248 [  $-(2x^2+3x+2)/(x-1)^3$  ogf]  
A209294 5.84345 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 2, a(1) = 9, a(2) = 23\}$ , ogf]  
A209345 8.03044 [  $-(x^4-4x^3-2x^2-3x-4)/(x^2+x+1)/(x-1)^4$  ogf]  
A209346 4.58633 [  $-(x^7+4x^6+28x^5+63x^4+85x^3+60x^2+30x+5)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A209347 4.70530 [  $2*(5x^6+48x^5+128x^4+167x^3+128x^2+45x+7)/(x+1)/(x^2+x+1)/(x-1)^6$  ogf]  
A209350 8.99904 [  $-(3x^6-5x^5-2x^4+5x^3+x^2-2x+1)/(x+1)/(x-1)^3$  ogf]  
A209358 14.2019 [  $-(12x-2)/(32x^2-12x+1)$  lgdogf]  
A209358 28.4702 [  $-(12x-2)/(32x^2-12x+1)$  lgdogf]  
A209358 4.70323 [  $\{(-n-3)*a(n+3)+(26+12*n)*a(n+2)+(-44-32*n)*a(n+1), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A209359 7.14972 [  $x*(2x+1)*(4x^2+20x+1)/(x-1)/(2x-1)^5$  ogf]  
A209359 7.14972 [  $-(-48x^4-336x^3+24x^2+252x+33)/(-16x^5-64x^4+80x^3+20x^2-19x-1)$  lgdogf]  
A209368 4.27626 [  $(16x^{10}+73x^9+93x^8-32x^7-218x^6-252x^5-160x^4-18x^3+37x^2+31x+8)/(x^3-x^2-1)/(x^3+2x^2+x-1)$  ogf]  
A209369 3.49577 [  $(35x^{11}+122x^{10}+111x^9-163x^8-476x^7-423x^6-315x^5-252x^4-83x^3-53x^2+46x+19)/(x^3+2x^2+2x-1)/(x^6-2x^4-2x^2-1)$  ogf]  
A209376 7.62074 [  $-(20x^4-8x^3-31x^2+9x+8)/(x-1)/(4x^4-6x^2+1)$  ogf]  
A209377 9.60900 [  $-2*(58x^3+32x^2-17x-8)/(6x^2-1)/(2x^2-1)$  ogf]  
A209378 4.03789 [  $-4*(548x^7-502x^6-472x^5+449x^4+107x^3-117x^2-4x+8)/(x-1)/(2x-1)/(2x^2-1)/(28x^4-12x^2+1)$  ogf]  
A209379 6.26615 [  $-2*(1496x^5+704x^4-822x^3-352x^2+85x+32)/(2x-1)/(2x+1)/(2x^2-1)/(10x^2-1)$  ogf]  
A209381 4.11313 [  $-2*(79040x^7+30976x^6-55064x^5-19840x^4+9806x^3+3200x^2-441x-128)/(2x-1)/(2x+1)/(2x^2-1)/(8x^2-1)/(18x^2-1)$  ogf]  
A209398 7.32139 [  $-(8x^5+23x^4+6x^3-4x^2+8x-7)/(2x^6+5x^5+x^4+x^2-5x+2)$  lgdogf]  
A209398 9.98371 [  $x^3*(x+2)/(2x-1)/(x^2+1)/(x^2+x-1)$  ogf]  
A209399 5.75353 [  $x^4*(x^4+2x^3+x^2-2x-4)/(2x-1)/(x^2+x-1)/(x^6-x^3-1)$  ogf]  
A209400 8.87813 [  $x^4*(x+2)/(2x-1)/(x^5+x^4+x^2+x-1)$  ogf]  
A209404 12.9182 [  $-(-14x+15)/(-2x^2+3x-1)$  lgdogf]  
A209404 4.16717 [  $\{(n+3)*a(n+3)+(-21-3*n)*a(n+2)+(16+2*n)*a(n+1), a(0) = 1, a(1) = 15, a(2) = 128\}$ , ogf]  
A209404 5.76706 [  $-(x-1)/(2x-1)^8$  ogf]  
A209409 5.86367 [  $x^5*(x^4+2x^3-3x-4)/(2x-1)/(x^3+x^2+x-1)/(x^6-x^4-x^2-1)$  ogf]  
A209410 5.80083 [  $-(x^8+2x^7+x^6-2x^5-4x^4-2x^3-2x^2-x-1)/(x^3+x^2+x-1)/(x^6-x^4-x^2-1)$  ogf]  
A209466 4.93601 [  $(x^{20}-6x^{18}-2x^{14}-4x^{12}-8x^8-6x^7-2x^4-4x^3-2x^2-1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A209469 3.92177 [  $-(x^2+x+1)*(x^8-x^7+x^6-x^5-x^4+x^3-2x^2+2x-1)/(x^{11}-x^{10}+2x^9-x^8-3x^7+3x^6-4x^5+x^4+2x^2-3x+1)$  ogf]  
A209486 4.61631 [  $-2*(2x^8+13x^7+34x^6+59x^5+62x^4+57x^3+32x^2+15x+2)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A209487 4.33232 [  $-(2x^8-10x^7+19x^6-23x^5-73x^4-190x^3-161x^2-81x-11)/(x^2+x+1)/(x-1)^6$  ogf]

A209497 5.21907 [  $(75x^4+174x^3-19x^2-26x+2)/(36x^2+12x-1)/(2x^2+4x-1)$  ogf ]  
A209505 13.1497 [  $-3(4x-9)/(2x^2-5x+1)$  ogf ]  
A209505 7.27104 [  $\{a(n+2)-5a(n+1)+2a(n), a(0) = 27, a(1) = 123\}$ , ogf ]  
A209505 9.08879 [  $-(-8x^2+36x-41)/(-8x^3+38x^2-49x+9)$  lgdogf ]  
A209506 5.24555 [  $\{-a(n+3)+9a(n+2)-15a(n+1)+6a(n), a(0) = 81, a(1) = 561, a(2) = 3906\}$ , ogf ]  
A209506 9.45789 [  $-3(24x^2-56x+27)/(6x^3-15x^2+9x-1)$  ogf ]  
A209507 4.71340 [  $-3(64x^4-376x^3+692x^2-443x+81)/(8x^5-48x^4+92x^3-65x^2+16x-1)$  ogf ]  
A209528 4.54578 [  $-(72x^9-312x^8+546x^7-492x^6+325x^5-202x^4+109x^3-43x^2+10x-1)/(3x-1)/(2x-1)^2/(x-1)^3$  ogf ]  
A209530 10.1165 [  $-(32x^2-16x-9)/(x-1)/(8x^2-1)$  ogf ]  
A209530 5.59068 [  $\{a(n+3)-a(n+2)-8a(n+1)+8a(n), a(0) = 9, a(1) = 25, a(2) = 65\}$ , ogf ]  
A209531 4.68657 [  $\{-a(n+3)+a(n+2)+32a(n+1)-32a(n), a(0) = 33, a(1) = 193, a(2) = 1025\}$ , ogf ]  
A209531 8.27041 [  $-(224x^2-160x-33)/(x-1)/(32x^2-1)$  ogf ]  
A209532 4.14779 [  $\{-a(n+3)+a(n+2)+128a(n+1)-128a(n), a(0) = 129, a(1) = 1537, a(2) = 16385\}$ , ogf ]  
A209532 7.10238 [  $-(1664x^2-1408x-129)/(x-1)/(128x^2-1)$  ogf ]  
A209533 10.0357 [  $-(272x-257)/(16x-1)/(x-1)$  ogf ]  
A209533 5.75080 [  $\{a(n+2)-17a(n+1)+16a(n), a(0) = 257, a(1) = 4097\}$ , ogf ]  
A209533 6.09311 [  $-(-4352x^2+8224x-4097)/(-4352x^3+8736x^2-4641x+257)$  lgdogf ]  
A209539 7.51607 [  $(1296x^5+810x^4-9x^3-32x^2+6x-1)/(10x-1)$  ogf ]  
A209546 9.61066 [  $-(6x^3+3x^2-15x+7)/(x-1)/(2x^3+2x^2-4x+1)$  ogf ]  
A209547 5.13922 [  $-(10x^5+43x^4-85x^3-2x^2+55x-20)/(x-1)/(2x^5+10x^4-10x^3-7x^2+7x-1)$  ogf ]  
A209594 4.11533 [  $-(x^7-8x^6+25x^5-352x^4-2557x^3-4888x^2-2109x-192)/(x-1)^8$  ogf ]  
A209603 9.65840 [  $-x(2x^4-x^3+x^2-x+1)/(x^3+x-1)/(x^3-x+1)$  ogf ]  
A209613 5.53641 [  $-(-4x^{11}-x^{10}-3x^9-2x^8-x^7-x^6-4x^5-x^4-x^3-2x^2-3x-1)/(x^{12}-1)$  ogf\_with\_Euler\_transform ]  
A209646 11.9850 [  $9(5x+1)/(x-1)^4$  ogf ]  
A209646 15.1647 [  $-(-15x-9)/(-5x^2+4x+1)$  lgdogf ]  
A209646 4.82512 [  $\{(n+3)a(n+3)+(-1+4n)a(n+2)+(-20-5n)a(n+1), a(0) = 9, a(1) = 81, a(2) = 270\}$ , ogf ]  
A209647 3.97919 [  $\{(5n^2+33n+54)a(n+1)+(-16n^2-116n-224)a(n+2)+(11n^2+59n+78)a(n+3), a(0) = 14, a(1) = 196, a(2) = 798\}$ , ogf ]  
A209647 8.17463 [  $14(x^3+3x^2-9x-1)/(x-1)^5$  ogf ]  
A209647 8.95317 [  $-(-2x^3-12x^2+30x+14)/(-x^4-2x^3+12x^2-8x-1)$  lgdogf ]  
A209648 3.58838 [  $\{(-7n^2-32n-33)a(n+1)+(362n^2+3300n+7374)a(n+2)+(-355n^2-1876n-2433)a(n+3), a(0) = 22, a(1) = 484, a(2) = 2354\}$ , ogf ]  
A209648 7.63978 [  $22(x^3-7x^2-17x-1)/(x-1)^5$  ogf ]  
A209648 8.35882 [  $-(-2x^3+18x^2+82x+22)/(-x^4+8x^3+10x^2-16x-1)$  lgdogf ]  
A209649 6.39088 [  $-35(x+1)(17x^2-28x-1)/(x-1)^6$  ogf ]  
A209649 7.55286 [  $-(-51x^3-7x^2+167x+35)/(-17x^4+28x^3+18x^2-28x-1)$  lgdogf ]  
A209676 11.8315 [  $-(-12x^3+12x^2-24x+12)/(x^4-1)$  ogf\_with\_Euler\_transform ]  
A209709 4.92349 [  $-(64x^5-92x^4-276x^3+75x^2+127x+24)/(16x^6-24x^5-76x^4+30x^3+34x^2+2x-1)$  ogf ]  
A209721 12.8061 [  $-(5x^2-x-3)/(x-1)/(2x^2-1)$  ogf ]  
A209721 6.97476 [  $\{a(n+3)-a(n+2)-2a(n+1)+2a(n), a(0) = 3, a(1) = 4, a(2) = 5\}$ , ogf ]  
A209721 7.73439 [  $-(-10x^4+4x^3+11x^2-2x-4)/(-10x^5+12x^4+9x^3-12x^2-2x+3)$  lgdogf ]  
A209722 12.8674 [  $-(7x^2-x-4)/(x-1)/(2x^2-1)$  ogf ]  
A209722 7.00813 [  $\{a(n+3)-a(n+2)-2a(n+1)+2a(n), a(0) = 4, a(1) = 5, a(2) = 6\}$ , ogf ]

A209722 7.69521 [  $-( -14x^4 + 4x^3 + 15x^2 - 2x - 5 ) / ( -14x^5 + 16x^4 + 13x^3 - 16x^2 - 3x + 4 )$  lgdogf ]  
A209723 12.2188 [  $-( 11x^2 - x - 6 ) / ( x - 1 ) / ( 2x^2 - 1 )$  ogf ]  
A209723 6.76400 [  $\{ a(n+3) - a(n+2) - 2a(n+1) + 2a(n), a(0) = 6, a(1) = 7, a(2) = 8 \}$ , ogf ]  
A209724 12.2787 [  $-( 15x^2 - x - 8 ) / ( x - 1 ) / ( 2x^2 - 1 )$  ogf ]  
A209724 6.73701 [  $\{ a(n+3) - a(n+2) - 2a(n+1) + 2a(n), a(0) = 8, a(1) = 9, a(2) = 10 \}$ , ogf ]  
A209724 7.46355 [  $-( -30x^4 + 4x^3 + 31x^2 - 2x - 9 ) / ( -30x^5 + 32x^4 + 29x^3 - 32x^2 - 7x + 8 )$  lgdogf ]  
A209725 12.2017 [  $-( 23x^2 - x - 12 ) / ( x - 1 ) / ( 2x^2 - 1 )$  ogf ]  
A209725 6.68443 [  $\{ a(n+3) - a(n+2) - 2a(n+1) + 2a(n), a(0) = 12, a(1) = 13, a(2) = 14 \}$ , ogf ]  
A209726 12.2017 [  $-( 31x^2 - x - 16 ) / ( x - 1 ) / ( 2x^2 - 1 )$  ogf ]  
A209726 6.68443 [  $\{ a(n+3) - a(n+2) - 2a(n+1) + 2a(n), a(0) = 16, a(1) = 17, a(2) = 18 \}$ , ogf ]  
A209729 4.64124 [  $\{ -a(n+3) + 3a(n+2) + 14a(n+1) + 4a(n), a(0) = 22, a(1) = 124, a(2) = 696 \}$ , ogf ]  
A209729 8.42563 [  $-2 * ( 8x^2 + 29x + 11 ) / ( 4x^3 + 14x^2 + 3x - 1 )$  ogf ]  
A209738 4.37860 [  $( 536x^5 + 1388x^4 + 168x^3 - 381x^2 + 58x - 2 ) / ( 20x - 1 ) / ( 12x^2 + 8x - 1 ) / ( 2x^2 + 4x - 1 )$  ogf ]  
A209780 5.22780 [  $-2 * ( 120x^5 + 7x^4 - 373x^3 - 183x^2 + 64x + 32 ) / ( 30x^6 - 95x^4 - 39x^3 + 22x^2 + 7x - 1 )$  ogf ]  
A209789 12.3298 [  $-6 * ( 9x + 5 ) / ( 12x^2 + 5x - 1 )$  ogf ]  
A209789 6.88177 [  $\{ a(n+2) - 5a(n+1) - 12a(n), a(0) = 30, a(1) = 204 \}$ , ogf ]  
A209789 7.99773 [  $-( -108x^2 - 120x - 34 ) / ( -108x^3 - 105x^2 - 16x + 5 )$  lgdogf ]  
A209790 5.62909 [  $-3 * ( 99x^3 - 282x^2 + 105x + 68 ) / ( 22x^4 - 64x^3 + 27x^2 + 14x - 1 )$  ogf ]  
A209801 17.3165 [  $\exp(x) * x + 2 * \exp(x)$  lgdegf ]  
A209801 44.0813  $\exp(x) * x + 2 * \exp(x)$  lgdegf  
A209807 7.05093 [  $-( 20x^3 + 50x^2 + 22x - 7 ) / ( 6x - 1 ) / ( x + 1 ) / ( 2x^2 + 3x - 1 )$  ogf ]  
A209808 3.56497 [  $-( 504x^6 - 1182x^5 - 935x^4 + 1688x^3 - 101x^2 - 276x + 34 ) / ( 2x^3 - 3x^2 - 6x + 1 ) / ( 54x^4 - 51x^3 - 5x^2 + 11x - 1 )$  ogf ]  
A209822 4.92342 [  $\{ -a(n+3) + 6a(n+2) - 3a(n+1) - 2a(n), a(0) = 8, a(1) = 41, a(2) = 218 \}$ , ogf ]  
A209822 9.28185 [  $-( 4x^2 + 7x - 8 ) / ( x - 1 ) / ( 2x^2 + 5x - 1 )$  ogf ]  
A209823 5.32980 [  $-( 10x^4 - 64x^3 + 26x^2 + 67x - 41 ) / ( x - 1 ) / ( 2x^4 - 11x^3 - 5x^2 + 11x - 1 )$  ogf ]  
A209841 7.25472 [  $-( 32x^3 + 16x^2 - 47x + 8 ) / ( 4x - 1 ) / ( x - 1 ) / ( 4x^2 + 6x - 1 )$  ogf ]  
A209842 3.80181 [  $-( 640x^5 - 1936x^4 + 1324x^3 + 368x^2 - 451x + 41 ) / ( x - 1 ) / ( 8x - 1 ) / ( 16x^4 - 32x^3 - 2x^2 + 13x - 1 )$  ogf ]  
A209851 4.88346 [  $-( 32x^5 - 295x^4 + 355x^3 + 145x^2 - 82x - 25 ) / ( 8x^6 - 82x^5 + 110x^4 + 28x^3 - 29x^2 - 4x + 1 )$  ogf ]  
A209876 11.8789 [  $\{ -a(n+2) + 2a(n+1) - a(n), a(0) = 30, a(1) = 66 \}$ , ogf ]  
A209876 20.3638 [  $-( x + 11 ) / ( x^2 + 4x - 5 )$  lgdogf ]  
A209876 21.6918 [  $6 * ( x + 5 ) / ( x - 1 )^2$  ogf ]  
A209878 6.59192 [  $-9 * ( 122221x^6 + 85925x^5 + 481711x^4 + 122454x^3 + 37532x^2 + 12363x + 2241 ) / ( x - 1 ) / ( x^2 + x + 1 )$  ogf ]  
A209888 12.4711 [  $( x + 1 ) * ( x^2 - x + 1 ) / ( x^5 - 2x^4 + x^3 - 2x + 1 )$  ogf ]  
A209890 13.2606 [  $-( 6x + 7 ) / ( 4x^2 + 4x - 1 )$  ogf ]  
A209890 7.18947 [  $\{ a(n+2) - 4a(n+1) - 4a(n), a(0) = 7, a(1) = 34 \}$ , ogf ]  
A209890 8.52466 [  $-( 24x^2 + 56x + 34 ) / ( 24x^3 + 52x^2 + 22x - 7 )$  lgdogf ]  
A209891 4.83348 [  $\{ a(n+3) - 8a(n+2) - 4a(n+1) + 16a(n), a(0) = 34, a(1) = 280, a(2) = 2304 \}$ , ogf ]  
A209891 8.98725 [  $-2 * ( 36x^2 - 4x - 17 ) / ( 16x^3 - 4x^2 - 8x + 1 )$  ogf ]  
A209906 4.41238 [  $-2 * ( 32x^5 + 46x^4 - 114x^3 - 114x^2 + 64x + 31 ) / ( 8x^6 + 12x^5 - 30x^4 - 30x^3 + 21x^2 + 7x - 1 )$  ogf ]  
A209923 6.39997 [  $-x + 5/4 + 1/2 * ( x - 1 )^2 * \ln(x - 1) + ( x - 1 )^2 * ( -5/4 - 1/2 * i * \pi )$  revevgf ]  
A209931 29.7848 [  $-x^9 + x^8 + 2$  ogf\_with\_Euler\_transform ]  
A209931 7.34486 [  $( x + 1 ) * ( x^4 + x^3 + x^2 + x + 1 ) * ( x^4 - x^3 + x^2 - x + 1 ) / ( x^2 + x + 1 ) /$

$(x^6+x^3+1)/(x-1)^2$  ogf]  
A209937 8.00139 [(2\*ln(x-1)-1/(x-1)-2\*I\*Pi-1)\*(x-1) revegfg]  
A209939 4.84382 [-  
 $(-6*x^{11}+3*x^{10}-6*x^9+6*x^8-3*x^7+3*x^6-12*x^5+3*x^4-3*x^3+6*x^2-6*x+3)/(x^{12}-1)$   
ogf\_with\_Euler\_transform]  
A209940 7.99525 [-(4\*x^7+2\*x^6-3\*x^5+2\*x^4+6\*x^3+2\*x^2-3\*x+2)/(-x^8+1)  
ogf\_with\_Euler\_transform]  
A209941 11.6477 [-(6\*x^3+6\*x^2-12\*x+6)/(x^4-1) ogf\_with\_Euler\_transform]  
A209942 11.8029 [-(10\*x^3+14\*x^2-24\*x+14)/(x^4-1) ogf\_with\_Euler\_transform]  
A209944 12.9433 [-2\*(27\*x+17)/(12\*x^2+6\*x-1) ogf]  
A209944 7.22415 [{a(n+2)-6\*a(n+1)-12\*a(n), a(0) = 34, a(1) = 258}, ogf]  
A209944 8.17470 [-(324\*x^2-408\*x-129)/(-324\*x^3-366\*x^2-75\*x+17) lgdogf]  
A209953 4.88205 [{-a(n+3)+6\*a(n+2)+15\*a(n+1)+6\*a(n), a(0) = 71, a(1) = 567, a(2)  
= 4521}, ogf]  
A209953 8.80248 [- (54\*x^2+141\*x+71)/(6\*x^3+15\*x^2+6\*x-1) ogf]  
A209962 6.21695 [ 9\*x^2\*(2\*x+1)/(4\*x-1)/(x-1)/(2\*x^2+5\*x-1)/(4\*x^2+6\*x-1) ogf]  
A209971 13.8022 [ 2\*x\*(2\*x-1)/(x^2+2\*x-1)/(x-1)^2 ogf]  
A209971 4.03448 [{(n+2)\*a(n+1)+(n+3)\*a(n+2)+(-3\*n-4)\*a(n+3)+(n+1)\*a(n+4), a(0) =  
0, a(1) = 2, a(2) = 4, a(3) = 8}, ogf]  
A209971 9.83404 [-(6\*x^3-2\*x^2+6\*x-2)/(-2\*x^4-x^3+7\*x^2-5\*x+1) lgdogf]  
A210003 14.2214 [- (x^4+1)/(x^5-x^4+2\*x-1) ogf]  
A210003 9.65024 [-(x^8-x^4+2)/(x^9-x^8+3\*x^5-2\*x^4+2\*x-1) lgdogf]  
A210005 6.68616 [ (2\*x+3)\*(3\*x^2+6\*x+2)/(2\*x^2+3\*x-1)/(6\*x^2+8\*x-1) ogf]  
A210006 4.39787 [- (24\*x^5-84\*x^4-14\*x^3+215\*x^2-51\*x-88)/(2\*x^3-3\*x^2-6\*x+1)/  
(24\*x^3-32\*x^2-24\*x+1) ogf]  
A210021 11.1044 [- (x^4+x^3+1)/(x^5+x^4-x^3+2\*x-1) ogf]  
A210030 8.92321 [-(2\*x^6+3\*x^5+2\*x^4-2\*x^3+2\*x^2+3\*x+2)/(-x^8+1)  
ogf\_with\_Euler\_transform]  
A210031 13.6105 [- (x+1)\*(x^4-x^3+x^2-x+1)/(x^6-x^5+2\*x-1) ogf]  
A210031 8.91723 [-(x^10+2\*x^5-2)/(-x^11+x^10-3\*x^6+2\*x^5-2\*x+1) lgdogf]  
A210032 11.6245 [-(3\*x^4+2\*x^3+2\*x^2+2\*x+2)/(x^5-1) lgdogf]  
A210032 12.9585 [- (x^4+x^3+x^2+x+1)/(x-1) ogf]  
A210032 31.5368 [[-x^4+2] ogf\_with\_Euler\_transform]  
A210032 5.72801 [{a(n+3)-2\*a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) =  
4, a(4) = 5, a(5) = 5}, ogf]  
A210045 7.79397 [ x\*(2\*x+3)^2/(2\*x^2+3\*x-1)/(4\*x^2+4\*x-1) ogf]  
A210046 4.74502 [- (16\*x^5-24\*x^4-56\*x^3+26\*x^2+7\*x-9)/(16\*x^3-4\*x^2-8\*x+1)/  
(2\*x^3-3\*x^2-6\*x+1) ogf]  
A210054 7.59631 [- (32\*x^3-92\*x^2+66\*x-9)/(4\*x-1)/(x-1)/(4\*x^2-8\*x+1) ogf]  
A210055 4.00253 [- (640\*x^5+848\*x^4-4312\*x^3+3599\*x^2-833\*x+51)/(x-1)/(8\*x-1)/  
(16\*x^4+40\*x^3-78\*x^2+20\*x-1) ogf]  
A210062 5.44095 [ (x^14-x^13+x^12+x^11+x^10+x^9+x^8+x^6+x^5+x^4+x^3+x^2+1)/  
(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A210064 4.06881 [{(16\*n^2+88\*n+120)\*a(n+1)+(-8\*n^2-42\*n-44)\*a(n+2)+(n^2+5\*n  
+4)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1}, ogf]  
A210064 8.72588 [(-1/2\*(28\*x-3)/(-1+4\*x)^(1/2)+3/2\*I)/(-1+4\*x)^(1/2)/x lgdogf]  
A210067 8.36370 [-(4\*x^6+6\*x^5+4\*x^4-4\*x^3+4\*x^2+6\*x+4)/(-x^8+1)  
ogf\_with\_Euler\_transform]  
A210068 22.3767 [x^3+2\*x^2+3\*x+2 ogf\_with\_Euler\_transform]  
A210068 4.99130 [ 1/(x^2+1)/(x^2+x+1)^2/(x+1)^4/(x-1)^8 ogf]  
A210070 4.44884 [- (64\*x^5+50\*x^4-210\*x^3-206\*x^2+16\*x+33)/  
(16\*x^6+12\*x^5-54\*x^4-50\*x^3+9\*x^2+9\*x-1) ogf]  
A210079 5.37732 [ (2\*x^4+5\*x^3-34\*x^2+34\*x+1)/(x-1)/(2\*x^2+11\*x-1)/(2\*x^2-5\*x+1)  
ogf]  
A210088 6.37023 [-(32\*x^3+30\*x^2-54\*x+10)/(8\*x^4+10\*x^3-27\*x^2+10\*x-1) lgdogf]  
A210088 9.89661 [-9\*x/(2\*x^2+5\*x-1)/(4\*x-1)/(x-1) ogf]  
A210089 4.35347 [- (16\*x^5-106\*x^4+80\*x^3-2\*x^2-11\*x+9)/(x-1)/(8\*x-1)/  
(2\*x^4-11\*x^3-5\*x^2+11\*x-1) ogf]  
A210100 10.3201 [- (4\*x^2-12\*x+7)/(x-1)/(2\*x^2-5\*x+1) ogf]  
A210100 5.56387 [{-a(n+3)+6\*a(n+2)-7\*a(n+1)+2\*a(n), a(0) = 7, a(1) = 30, a(2) =  
135}, ogf]

A210101 5.21515 [ $\{-a(n+3)+8*a(n+2)-3*a(n+1)-4*a(n), a(0) = 30, a(1) = 225, a(2) = 1690\}$ , ogf]  
A210101 9.61544 [ $-5*(4*x^2+3*x-6)/(x-1)/(4*x^2+7*x-1)$  ogf]  
A210118 5.25522 [ $\{-a(n+3)+10*a(n+2)-19*a(n+1)-14*a(n), a(0) = 8, a(1) = 44, a(2) = 265\}$ , ogf]  
A210118 9.39570 [ $-(23*x^2+36*x-8)/(7*x-1)/(2*x^2+3*x-1)$  ogf]  
A210119 3.27345 [ $-(1120*x^6-1510*x^5-4189*x^4+999*x^3+1699*x^2-575*x+44)/(120*x^4+10*x^3-69*x^2+18*x-1)/(2*x^3-3*x^2-6*x+1)$  ogf]  
A210127 4.56733 [ $\{-a(n+3)+12*a(n+2)-9*a(n+1)-2*a(n), a(0) = 8, a(1) = 81, a(2) = 897\}$ , ogf]  
A210127 8.40968 [ $-(3*x^2+15*x-8)/(2*x^2+11*x-1)/(x-1)$  ogf]  
A210128 5.12596 [ $-(1022*x^4-1475*x^3+373*x^2+226*x-81)/(x-1)/(292*x^4-200*x^3-47*x^2+34*x-1)$  ogf]  
A210136 5.64374 [ $-(8*x^4-28*x^3+36*x^2-8*x+1)/(4*x-1)/(x-1)/(4*x^2-8*x+1)/(2*x^2+5*x-1)$  ogf]  
A210149 5.17194 [ $-(32*x^4+42*x^3-141*x^2-193*x-57)/(8*x^5+10*x^4-36*x^3-46*x^2-11*x+1)$  ogf]  
A210158 5.86757 [ $-(60*x^3+144*x^2+60*x-13)/(18*x^2+13*x-1)/(2*x^2+3*x-1)$  ogf]  
A210167 6.08045 [ $-(8*x^4+24*x^3+16*x^2-4*x+1)/(7*x-1)/(2*x^2+3*x-1)/(4*x^2+4*x-1)$  ogf]  
A210176 6.27354 [ $(x+1)*(20*x^2+36*x+1)/(12*x^2+10*x-1)/(2*x^2+4*x-1)$  ogf]  
A210209 4.83208 [ $-x*(x^{12}-x^{11}+2*x^{10}-x^9-2*x^8-x^7-6*x^6+x^5-2*x^4+x^3+2*x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^2-1)/(x^4-x^2-1)$  ogf]  
A210245 7.33973 [ $(2*x^{35}-x^6-x^5+x^4+x^3-x^2-x+1)/(x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A210260 6.90076 [ $x*(20*x^2+52*x+29)/(12*x^2+8*x-1)/(2*x^2+4*x-1)$  ogf]  
A210269 11.2520 [ $-(54*x^2+7*x-35)/(12*x^3-8*x+1)$  ogf]  
A210269 6.23871 [ $\{-a(n+3)+8*a(n+2)-12*a(n), a(0) = 35, a(1) = 273, a(2) = 2130\}$ , ogf]  
A210277 5.08195 [ $\{(-9*n^3-45*n^2-74*n-40)*a(n+1)+a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A210293 5.38567 [ $-2*(72*x^3-75*x^2-173*x-56)/(18*x^4-20*x^3-42*x^2-11*x+1)$  ogf]  
A210302 5.81117 [ $x*(4*x^3-4*x^2-21*x+29)/(x-1)/(2*x^2-5*x+1)/(4*x^2+9*x-1)$  ogf]  
A210313 4.01237 [ $-x*(36*x^4+156*x^3+241*x^2+155*x+35)/(18*x^2+13*x-1)/(6*x^2+8*x-1)/(2*x^2+3*x-1)$  ogf]  
A210328 4.20555 [ $-(496*x^5+1065*x^4+173*x^3-399*x^2-62*x+39)/(2*x+1)/(62*x^5+98*x^4-38*x^3-35*x^2+14*x-1)$  ogf]  
A210348 5.01661 [ $-(18*x-5)*(30*x^3+33*x^2-3*x-8)/(136*x^5+104*x^4-66*x^3-30*x^2+14*x-1)$  ogf]  
A210369 3.65341 [ $-(x^7+9*x^6+27*x^5+83*x^4+59*x^3+51*x^2+9*x+1)/(x+1)^4/(x-1)^5$  ogf]  
A210370 3.72552 [ $-2*x*(3*x^5+17*x^4+16*x^3+28*x^2+5*x+3)/(x+1)^4/(x-1)^5$  ogf]  
A210373 3.94909 [ $-x*(3*x^5+17*x^4+16*x^3+28*x^2+5*x+3)/(x+1)^4/(x-1)^5$  ogf]  
A210374 4.81962 [ $\{(-4*n^2-16*n)*a(n)+(7*n^2+12*n-19)*a(n+1)+(-3*n^2+n+4)*a(n+2), a(0) = 0, a(1) = 4\}$ , ogf]  
A210374 8.72123 [ $-(-6*x^3+6*x^2+15*x-19)/(-6*x^4+18*x^3-15*x^2-x+4)$  lgdogf]  
A210374 8.93394 [ $x*(6*x^3-12*x^2+3*x+4)/(x-1)^4$  ogf]  
A210375 8.65515 [ $-(20*x^3-40*x^2+8*x+16)/(6*x^5-10*x^4-10*x^3+26*x^2-11*x-1)$  lgdogf]  
A210375 9.03559 [ $x*(6*x^4-4*x^3-14*x^2+12*x+1)/(x-1)^4$  ogf]  
A210376 7.74788 [ $-(24*x^3-30*x^2-30*x+40)/(6*x^5-6*x^4-15*x^3+15*x^2+10*x-10)$  lgdogf]  
A210376 9.41514 [ $x^2*(6*x^4-15*x^2+10)/(x-1)^4$  ogf]  
A210377 7.86878 [ $x^2*(6*x^5-4*x^3-20*x^2+15*x+4)/(x-1)^4$  ogf]  
A210378 5.45484 [ $-(x^6+6*x^5+27*x^4+28*x^3+27*x^2+6*x+1)/(x+1)^3/(x-1)^5$  ogf]  
A210379 5.98873 [ $-4*x*(2*x^4+5*x^3+10*x^2+5*x+2)/(x+1)^3/(x-1)^5$  ogf]  
A210383 4.94792 [ $\{-a(n+3)+9*a(n+2)-6*a(n+1)-6*a(n), a(0) = 73, a(1) = 597, a(2) = 4881\}$ , ogf]  
A210383 9.12273 [ $-(54*x^2+60*x-73)/(6*x^3+6*x^2-9*x+1)$  ogf]  
A210384 4.26723 [ $-(864*x^5-1750*x^4-3946*x^3+2349*x^2+2123*x-597)/(32*x^6-66*x^5-144*x^4+93*x^3+76*x^2-26*x+1)$  ogf]

A210397 4.78406 [  $\{-a(n+3)+10a(n+2)-5a(n+1)-4a(n), a(0) = 7, a(1) = 59, a(2) = 549\}$ , ogf]  
A210397 8.80875 [  $-(3x+7)(2x-1)/(x-1)/(4x^2+9x-1)$  ogf]  
A210398 4.73299 [  $-(1344x^4-1400x^3-56x^2+336x-59)/(2x+1)/(x-1)/(192x^3-154x^2+29x-1)$  ogf]  
A210406 11.2123 [  $-(8x+7)/(12x^2+10x-1)$  ogf]  
A210406 6.19973 [  $\{a(n+2)-10a(n+1)-12a(n), a(0) = 7, a(1) = 78\}$ , ogf]  
A210406 7.31912 [  $-(-96x^2-168x-78)/(-96x^3-164x^2-62x+7)$  lgdogf]  
A210407 6.35935 [  $-2*(128x^3-372x^2+51x+39)/(96x^4-280x^3+40x^2+31x-1)$  ogf]  
A210427 7.33903 [  $x*(x^4+6x^3+12x^2+6x+1)/(x-1)^6$  ogf]  
A210427 7.99954 [  $-(-2x^4-22x^3-66x^2-54x-12)/(-x^5-5x^4-6x^3+6x^2+5x+1)$  lgdogf]  
A210428 6.16738 [  $-x*(x+1)*(x^4+8x^3+20x^2+8x+1)/(x-1)^7$  ogf]  
A210429 5.29847 [  $x*(x^4+10x^3+36x^2+10x+1)*(x+1)^2/(x-1)^8$  ogf]  
A210430 4.42344 [  $-x*(x+1)*(x^6+15x^5+90x^4+170x^3+90x^2+15x+1)/(x-1)^9$  ogf]  
A210431 3.90120 [  $x*(x^8+20x^7+179x^6+630x^5+960x^4+630x^3+179x^2+20x+1)/(x-1)^{10}$  ogf]  
A210432 3.44889 [  $-x*(x+1)*(x^8+24x^7+265x^6+1132x^5+1904x^4+1132x^3+265x^2+24x+1)/(x-1)^{11}$  ogf]  
A210433 7.73697 [  $x*(x^3+x^2+3x+1)/(x+1)^3/(x-1)^4$  ogf]  
A210433 9.02647 [  $-(-4x^4-6x^3-22x^2-12x-4)/(-x^5-x^4-2x^3+3x+1)$  lgdogf]  
A210434 12.7023 [  $(x^2+x+1)*(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A210434 22.2379 [  $[-x^5+x^4+x+1]$  ogf\_with\_Euler\_transform]  
A210435 6.99645 [  $(x^{11}-x^{10}+x^9+x^8+x^6+x^5+x^3+x^2+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A210436 8.39596 [  $(x^8+x^7+x^6+x^4+x^3+x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A210440 15.4706 [  $4x/(x-1)^4$  ogf]  
A210440 29.2836 [  $4/(-x+1)$  lgdogf]  
A210440 62.6778 [  $[4]$  ogf\_with\_Euler\_transform]  
A210440 7.96060 [  $\{(n+1)a(n+2)+(-4-n)a(n+1), a(0) = 0, a(1) = 4\}$ , ogf]  
A210448 10.4760 [  $\{a(n+2)-5a(n+1)+6a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A210448 17.3176 [  $-(12x-5)/(6x^2-5x+1)$  lgdogf]  
A210448 22.9341 [  $3x/(3x-1)/(2x-1)$  ogf]  
A210460 11.4860 [  $-(x+1)/(x^4+2x^3+2x^2+x-1)$  ogf]  
A210460 7.61573 [  $-(3x^4+8x^3+8x^2+4x+2)/(x^5+3x^4+4x^3+3x^2-1)$  lgdogf]  
A210464 7.55191 [  $-(2x^5-4x^4-2x^3+8x^2-3x-4)/(x+1)^2/(x-1)^4$  ogf]  
A210527 10.9827 [  $-(-53x^2+130x-131)/(-53x^3+171x^2-201x+83)$  lgdogf]  
A210527 12.6724 [  $-(53x^2-118x+83)/(x-1)^3$  ogf]  
A210527 7.04020 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 83, a(1) = 131, a(2) = 197\}$ , ogf]  
A210569 11.2960 [  $4x^4/(x-1)^6$  ogf]  
A210569 29.0468 [  $6/(-x+1)$  lgdogf]  
A210569 5.98022 [  $\{(-2+n)a(n+2)+(-3-n)a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 4\}$ , ogf]  
A210569 62.1188 [  $[6]$  ogf\_with\_Euler\_transform]  
A210573 10.5431 [  $-(-2x^4+2x^3-x^2+2x+1)/(-x^3+x^2+x-1)$  lgdegf]  
A210573 20.7726 [  $-(-2x^4+2x^3-x^2+2x+1)/(-x^3+x^2+x-1)$  lgdegf]  
A210621 9.00075 [  $-(4x^9+2x^8+8x^7+3x^6+9x^5+4x^4+6x^2+x+3)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A210622 15.1413 [  $-(5x^4-3x^3+3x^2-2x+3)/(x-1)$  ogf]  
A210622 8.55203 [  $\{a(n+5)-a(n+4), a(0) = 3, a(1) = 1, a(2) = 4, a(3) = 1, a(4) = 6\}$ , ogf]  
A210622 9.32948 [  $-(-15x^4-26x^3+12x^2-6x-1)/(-5x^5+8x^4-6x^3+5x^2-5x+3)$  lgdogf]  
A210626 10.5723 [  $-(3737x^2-7178x+3449)/(x-1)^3$  ogf]  
A210626 6.11619 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 3449, a(1) = 3169, a(2) = 2897\}$ , ogf]  
A210626 8.50643 [  $-(-3737x^2+6882x-3169)/(-3737x^3+10915x^2-10627x+3449)$  lgdogf]

A210628 10.4049 [  $1/2*x+1/4-1/4*(-4*x^2-4*x+1)^{(1/2)}$  revogf]  
A210631 8.93549 [  $-x^{12}/(x^2+1)/(x^2+x+1)/(x+1)^3/(x-1)^5$  ogf]  
A210631 9.34917 [  $-(-12*x^5-13*x^4-18*x^3-10*x^2-6*x-1)/(-x^6-x^5-x^4+x^2+x+1)$  lgdogf]  
A210633 6.27108 [  $x^{18}/(x^2+1)/(x^2+x+1)^2/(x+1)^4/(x-1)^8$  ogf]  
A210633 9.09018 [  $-(-18*x^5-20*x^4-28*x^3-18*x^2-10*x-2)/(-x^6-x^5-x^4+x^2+x+1)$  lgdogf]  
A210634 10.3940 [  $-x^{12}/(x^2+x+1)/(x+1)^3/(x-1)^7$  ogf]  
A210634 13.3043 [  $-(-12*x^3-15*x^2-12*x-3)/(-x^4-x^3+x+1)$  lgdogf]  
A210645 14.6165 [  $-84*(x+1)/(x-1)^3$  ogf]  
A210645 18.2706 [  $-(2*x+4)/(x^2-1)$  lgdogf]  
A210645 38.0006 [ [4-x] ogf\_with\_Euler\_transform]  
A210645 6.87100 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 84, a(1) = 336, a(2) = 756}, ogf]  
A210673 10.0450 [  $-(-4*x^3+2*x^2-x+1)/(-2*x^4+x^3+4*x^2-4*x+1)$  lgdogf]  
A210673 11.0082 [  $-x*(2*x-1)^2/(x^2+x-1)/(x-1)^2$  ogf]  
A210673 4.12102 [ { -a(n+1)\*n-a(n+2)+(2\*n-1)\*a(n+3)+(-n+1)\*a(n+4), a(0) = 0, a(1) = 1, a(2) = -1, a(3) = -1, a(4) = -2, a(5) = -2}, ogf]  
A210675 11.0306 [  $x*(4*x^2-4*x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A210675 4.44881 [ { (n+8)\*a(n+1)+a(n+2)+(-2\*n-15)\*a(n+3)+(n+7)\*a(n+4), a(0) = 0, a(1) = 1, a(2) = 7, a(3) = 15}, ogf]  
A210675 8.30139 [  $-(-8*x^4+8*x^3+4*x^2+5*x-7)/(-4*x^5+4*x^4+9*x^3-12*x^2+2*x+1)$  lgdogf]  
A210677 11.3713 [  $(2*x^3-4*x^2+2*x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A210677 4.83752 [ { (-n-5)\*a(n+1)-a(n+2)+(2\*n+9)\*a(n+3)+(-n-4)\*a(n+4), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 10}, ogf]  
A210677 7.74859 [  $-(2*x^5-6*x^4+8*x^3-12*x^2+5*x+1)/(2*x^6-4*x^5-2*x^4+9*x^3-8*x^2+4*x-1)$  lgdogf]  
A210678 11.4665 [  $(3*x^3-5*x^2+2*x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A210678 4.85120 [ { (-n-6)\*a(n+1)-a(n+2)+(2\*n+11)\*a(n+3)+(-n-5)\*a(n+4), a(0) = 1, a(1) = 1, a(2) = 6, a(3) = 12}, ogf]  
A210678 7.67755 [  $-(-3*x^5+7*x^4-10*x^3+16*x^2-7*x-1)/(-3*x^6+5*x^5+4*x^4-12*x^3+9*x^2-4*x+1)$  lgdogf]  
A210685 5.74261 [ { (4\*n+14)\*a(n+1)+(7\*n+6)\*a(n+2)+(-2\*n-8)\*a(n+3), a(0) = -1, a(1) = 2, a(2) = -2}, ogf]  
A210687 4.32538 [  $(2*x^{11}+6*x^{10}+68*x^9+167*x^8+302*x^7+417*x^6+479*x^5+439*x^4+334*x^3+199*x^2+88*x+16)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x-1)^4$  ogf]  
A210695 12.2119 [  $-x*(5*x+1)/(x-1)/(x^2-6*x+1)$  ogf]  
A210695 6.21499 [ {a(n+3)-7\*a(n+2)+7\*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 12}, ogf]  
A210695 8.09394 [  $-(-10*x^3+32*x^2+14*x-12)/(-5*x^4+34*x^3-28*x^2-2*x+1)$  lgdogf]  
A210698 3.60922 [  $-(x^{11}+9*x^{10}+23*x^9+115*x^8+109*x^7+139*x^6+219*x^5+91*x^4+53*x^3+25*x^2+7*x+1)/(x^2+x+1)^4/(x-1)^5$  ogf]  
A210699 4.69707 [  $-(2*x^7+40*x^6+351*x^5+872*x^4+877*x^3+315*x^2+62*x+1)/(x-1)^9$  ogf]  
A210728 10.4576 [  $(2*x^3-3*x^2+x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A210728 4.42437 [ { (-n-6)\*a(n+1)-a(n+2)+(2\*n+11)\*a(n+3)+(-n-5)\*a(n+4), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 14}, ogf]  
A210729 4.21359 [ { (n+7)\*a(n+1)+a(n+2)+(-2\*n-13)\*a(n+3)+(n+6)\*a(n+4), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 16}, ogf]  
A210729 9.95939 [  $(3*x^3-4*x^2+x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A210730 11.3038 [  $x^2*(3*x-4)/(x^2+x-1)/(x-1)^2$  ogf]  
A210730 4.35731 [ { (-n-6)\*a(n+1)-a(n+2)+(2\*n+11)\*a(n+3)+(-n-5)\*a(n+4), a(0) = 0, a(1) = 0, a(2) = 4, a(3) = 9}, ogf]  
A210730 9.51170 [  $-(-9*x^3+13*x^2+7*x-9)/(-3*x^4+4*x^3+6*x^2-11*x+4)$  lgdogf]  
A210731 10.8544 [  $x^2*(4*x-5)/(x^2+x-1)/(x-1)^2$  ogf]  
A210731 4.16087 [ { (-n-7)\*a(n+1)-a(n+2)+(2\*n+13)\*a(n+3)+(-n-6)\*a(n+4), a(0) = 0, a(1) = 0, a(2) = 5, a(3) = 11}, ogf]  
A210731 8.91614 [  $-(-12*x^3+16*x^2+9*x-11)/(-4*x^4+5*x^3+8*x^2-14*x+5)$  lgdogf]



A210736 7.69875 [  $\{-4*a(n)*n-2*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A210772 7.25089 [  $-(12*x^5+11*x^4+30*x^3-44*x^2+13*x-1)/(x-1)/(8*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A210773 4.79009 [  $(256*x^8-400*x^7-42*x^6-169*x^5-470*x^4+734*x^3-252*x^2+29*x-1)/(x-1)/(4*x-1)/(2*x-1)/(8*x-1)/(16*x-1)$  ogf]  
A210774 3.85856 [  $-(2048*x^9-320*x^8+4220*x^7+5227*x^6+14870*x^5-23958*x^4+8798*x^3-1180*x^2+61*x-1)/(x-1)/(4*x-1)/(2*x-1)/(8*x-1)/(16*x-1)/(32*x-1)$  ogf]  
A210843 18.7477 [  $-(-4+x)/(-x+1)$  ogf\_with\_Euler\_transform]  
A210886 6.27914 [  $11*(909091*x^{10}-3545454*x^7+3545454*x^6-3546454*x^3+909091*x^2+909091*x+910091)/(x^2+x+1)/(x-1)^2$  ogf]  
A210887 4.91602 [  $(375*x^9+2284*x^6+376*x^5+375*x^4+2528*x^3+375*x^2+375*x+619)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A210888 6.80240 [  $11*(9091*x^6-35554*x^3+9091*x^2+9091*x+9191)/(x^2+x+1)/(x-1)^2$  ogf]  
A210944 5.29998 [  $x*(3*x^{18}+7*x^{17}-21*x^{16}+21*x^{15}-21*x^{14}+21*x^{13}-11*x^{12}+10*x^{11}-11*x^{10}+x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A210977 11.6366 [  $-(6*x^3+10*x^2+11*x+3)/(2*x^4+2*x^3-x^2-2*x-1)$  lgdogf]  
A210977 11.7803 [  $-x*(2*x^2+2*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A210978 10.2636 [  $-(-6*x^3-18*x^2-13*x-5)/(-2*x^4-4*x^3+x^2+4*x+1)$  lgdogf]  
A210978 10.3903 [  $-x*(2*x^2+4*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A210981 11.4355 [  $-(-6*x^3-26*x^2-15*x-7)/(-2*x^4-6*x^3+x^2+6*x+1)$  lgdogf]  
A210981 11.5767 [  $-x*(2*x^2+6*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A210982 11.5822 [  $-(-6*x^3-30*x^2-16*x-8)/(-2*x^4-7*x^3+x^2+7*x+1)$  lgdogf]  
A210982 11.7251 [  $-x*(2*x^2+7*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A211010 10.6172 [  $-x*(x+1)*(2*x^2+1)/(x-1)/(x^2+1)$  ogf]  
A211010 5.74116 [  $\{-a(n+3)+a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 4\}$ , ogf]  
A211010 9.22687 [  $-(4*x^4-2*x^3+6*x^2+2*x+2)/(2*x^6+x^4-2*x^2-1)$  lgdogf]  
A211012 14.3864 [  $-(16*x-6)/(8*x^2-6*x+1)$  lgdogf]  
A211012 19.0523 [  $8*x^2/(4*x-1)/(2*x-1)$  ogf]  
A211012 7.04935 [  $\{-a(n+3)+6*a(n+2)-8*a(n+1), a(0) = 0, a(1) = 0, a(2) = 8\}$ , ogf]  
A211013 13.3099 [  $-x*(x+10)/(x-1)^3$  ogf]  
A211013 15.4395 [  $-(2*x+31)/(x^2+9*x-10)$  lgdogf]  
A211013 6.83164 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 10, a(2) = 31\}$ , ogf]  
A211014 13.0345 [  $-x*(x+11)/(x-1)^3$  ogf]  
A211014 14.8235 [  $-(2*x+34)/(x^2+10*x-11)$  lgdogf]  
A211014 6.69027 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 11, a(2) = 34\}$ , ogf]  
A211033 4.15199 [  $-(x^{11}+7*x^{10}+25*x^9+53*x^8+91*x^7+219*x^6+139*x^5+109*x^4+115*x^3+23*x^2+9*x+1)/(x^2+x+1)^4/(x-1)^5$  ogf]  
A211034 4.30976 [  $x*(4*x^9+20*x^8+59*x^7+109*x^6+96*x^5+136*x^4+100*x^3+28*x^2+21*x+3)/(x^2+x+1)^4/(x-1)^5$  ogf]  
A211064 4.63267 [  $-(x^7+9*x^6+51*x^5+59*x^4+83*x^3+27*x^2+9*x+1)/(x+1)^4/(x-1)^5$  ogf]  
A211065 5.06826 [  $-2*x*(3*x^5+5*x^4+28*x^3+16*x^2+17*x+3)/(x+1)^4/(x-1)^5$  ogf]  
A211068 4.90131 [  $-x*(3*x^5+5*x^4+28*x^3+16*x^2+17*x+3)/(x+1)^4/(x-1)^5$  ogf]  
A211071 3.80654 [  $x*(3*x^9+21*x^8+28*x^7+100*x^6+136*x^5+96*x^4+109*x^3+59*x^2+20*x+4)/(x^2+x+1)^4/(x-1)^5$  ogf]  
A211114 8.17070 [  $-(20*x^4-26*x^2+x+9)/(x-1)/(2*x-1)/(x+1)/(2*x^2-1)$  ogf]  
A211115 4.10897 [  $-2*(10*x^8-22*x^7-29*x^6+76*x^5+7*x^4-66*x^3+14*x^2+17*x-6)/(x-1)/(2*x-1)/(2*x^2-1)/(x^2+x-1)/(x^3-2*x^2-x+1)$  ogf]  
A211116 3.90902 [  $-(10*x^8-x^7-83*x^6+21*x^5+159*x^4-104*x^3-53*x^2+60*x-13)/(x-1)/(2*x-1)/(x^2+x-1)/(x^2+2*x-1)/(x^3-2*x^2-x+1)$  ogf]

A211117 5.93820 [  $-2*(5*x^5+8*x^4-18*x^3-12*x^2+21*x-6)/(x^2+2*x-1)/(x^2+x-1)/(x-1)/(2*x-1)$  ogf]  
A211154 5.55249 [  $-(x^8+36*x^6+416*x^5+734*x^4+1472*x^3+724*x^2+416*x+41)/(x+1)^4/(x-1)^5$  ogf]  
A211155 5.69321 [  $-8*(5*x^6+16*x^5+91*x^4+64*x^3+91*x^2+16*x+5)/(x+1)^4/(x-1)^5$  ogf]  
A211158 5.34792 [  $-4*(5*x^6+16*x^5+91*x^4+64*x^3+91*x^2+16*x+5)/(x+1)^4/(x-1)^5$  ogf]  
A211164 11.4562 [  $(x+1)*(2*x+1)*(x-1)^2/(2*x^2-1)^2$  ogf]  
A211164 9.50348 [  $-(2*x^3+6*x^2+3*x+1)/(-4*x^5-2*x^4+6*x^3+3*x^2-2*x-1)$  lgdogf]  
A211216 7.58246 [  $-(x^2-3*x+1)*(5*x^2-5*x+1)/(x^5-15*x^4+35*x^3-28*x^2+9*x-1)$  ogf]  
A211221 11.1838 [  $-(-9*x^2-8*x-3)/(-3*x^4-9*x^3-2*x^2+3*x+1)$  lgdogf]  
A211221 16.4334 [  $-(x^2+3*x+1)/(3*x^2-1)$  ogf]  
A211221 9.58613 [  $\{a(n+3)-3*a(n+1), a(0) = 1, a(1) = 3, a(2) = 4\}$ , ogf]  
A211227 10.7652 [  $-(4*x^3+x^2-2*x-1)/(2*x^2-1)^2$  ogf]  
A211227 7.95159 [  $-(-8*x^4-4*x^3+6*x+2)/(-8*x^5-2*x^4+8*x^3+3*x^2-2*x-1)$  lgdogf]  
A211228 6.67608 [  $-(x^2+1)*(x^4+x^3+x^2-x-1)/(x^4+x^2-1)^2$  ogf]  
A211231 9.74744 [  $-(8*x^3-3*x-1)/(3*x^2-1)^2$  ogf]  
A211253 13.0979 [  $-(17*x^2+13*x-21)/(x-1)/(x^2+x-1)$  ogf]  
A211253 7.56168 [  $\{-a(n+3)+2*a(n+2)-a(n), a(0) = 21, a(1) = 29, a(2) = 41\}$ , ogf]  
A211279 12.8270 [  $-(-18*x^2+13*x-3)/(-12*x^3+13*x^2-6*x+1)$  lgdogf]  
A211279 21.4624 [  $-(-18*x^2+13*x-3)/(-12*x^3+13*x^2-6*x+1)$  lgdogf]  
A211279 4.31799 [  $\{(-n-4)*a(n+4)+(21+6*n)*a(n+3)+(-39-13*n)*a(n+2)+(30+12*n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 15\}$ , ogf]  
A211281 10.2221 [  $-(-24*x^3+24*x^2-13*x+3)/(-12*x^4+16*x^3-13*x^2+6*x-1)$  lgdogf]  
A211281 16.0253 [  $-(-24*x^3+24*x^2-13*x+3)/(-12*x^4+16*x^3-13*x^2+6*x-1)$  lgdogf]  
A211288 13.7888 [  $-(-12*x^2-3*x+3)/(-6*x^3-x^2+4*x-1)$  lgdogf]  
A211288 25.2153 [  $-(-12*x^2-3*x+3)/(-6*x^3-x^2+4*x-1)$  lgdogf]  
A211288 4.50387 [  $\{(-n-4)*a(n+4)+(15+4*n)*a(n+3)+(-5-n)*a(n+2)+(-18-6*n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 25\}$ , ogf]  
A211290 13.8969 [  $-(-30*x^4+32*x^3-6*x^2-9*x+3)/(-12*x^5+16*x^4-4*x^3-9*x^2+6*x-1)$  lgdogf]  
A211290 9.03139 [  $-(-30*x^4+32*x^3-6*x^2-9*x+3)/(-12*x^5+16*x^4-4*x^3-9*x^2+6*x-1)$  lgdogf]  
A211293 11.7671 [  $-(36*x^5-10*x^4-24*x^3+6*x^2+9*x-3)/(12*x^6-4*x^5-12*x^4+4*x^3+9*x^2-6*x+1)$  lgdogf]  
A211293 7.66044 [  $-(36*x^5-10*x^4-24*x^3+6*x^2+9*x-3)/(12*x^6-4*x^5-12*x^4+4*x^3+9*x^2-6*x+1)$  lgdogf]  
A211295 11.5953 [  $-(-36*x^5-20*x^4+32*x^3-6*x^2-9*x+3)/(-12*x^6-8*x^5+16*x^4-4*x^3-9*x^2+6*x-1)$  lgdogf]  
A211295 7.74849 [  $-(-36*x^5-20*x^4+32*x^3-6*x^2-9*x+3)/(-12*x^6-8*x^5+16*x^4-4*x^3-9*x^2+6*x-1)$  lgdogf]  
A211308 10.1903 [  $-((32*x^3-30*x^2+20*x-4)/(16*x^4-20*x^3+20*x^2-8*x+1))$  lgdogf]  
A211308 16.5969 [  $-((32*x^3-30*x^2+20*x-4)/(16*x^4-20*x^3+20*x^2-8*x+1))$  lgdogf]  
A211322 13.7605 [  $-(9*x^2+7*x-11)/(x-1)/(x^2+x-1)$  ogf]  
A211322 7.21425 [  $-(-9*x^4-14*x^3+15*x^2+18*x-15)/(-9*x^5-7*x^4+29*x^3+5*x^2-29*x+11)$  lgdogf]  
A211322 7.66049 [  $\{-a(n+3)+2*a(n+2)-a(n), a(0) = 11, a(1) = 15, a(2) = 21\}$ , ogf]  
A211323 8.71558 [  $-2*(9*x^3+x^2-16*x+7)/(x^2+x-1)/(x-1)/(2*x-1)$  ogf]  
A211324 5.35562 [  $-(36*x^6+36*x^5-82*x^4-49*x^3+62*x^2+16*x-15)/(x-1)/(2*x-1)/(x+1)/(2*x^2-1)/(x^2+x-1)$  ogf]  
A211327 8.56375 [  $-(28*x^3+24*x^2-18*x-15)/(x+1)/(2*x-1)/(2*x^2-1)$  ogf]  
A211328 4.04763 [  $-2*(42*x^7+249*x^6+302*x^5-321*x^4-299*x^3+352*x^2-113*x+12)/(3*x-1)/(2*x-1)/(2*x^2+3*x-1)/(x^2+2*x-1)/(x^2+3*x-1)$  ogf]  
A211329 13.2691 [  $-((13*x^2+11*x-15)/(x-1)/(x^2+x-1))$  ogf]  
A211329 7.66049 [  $\{-a(n+3)+2*a(n+2)-a(n), a(0) = 15, a(1) = 19, a(2) = 25\}$ , ogf]  
A211374 11.9846 [  $-(x^2-x-1)/(x-1)^2/(x+1)^2$  egf]  
A211374 8.53900 [  $-(-2*x^3+3*x^2+2*x+1)/(-x^4+x^3+2*x^2-x-1)$  lgdegf]  
A211379 10.0364 [  $-(-4*x^3+3*x^2+18*x+7)/(-x^4+x^3+4*x^2-x-3)$  lgdogf]  
A211379 4.04454 [  $\{(-n^3-13*n^2-52*n-60)*a(n+1)+(-2*n^2-20*n-48)*a(n$

+2)+(n^3+9\*n^2+20\*n)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 3}], ogf]  
A211379 8.74142 [ -x^3\*(x^2-x-3)/(x+1)^2/(x-1)^4 ogf]  
A211380 6.84402 [ x\*(2\*x^5-3\*x^4-7\*x^3-x^2-2\*x-1)/(x+1)^2/(x-1)^5 ogf]  
A211381 7.95643 [ x^4\*(2\*x^2-3\*x-7)/(x+1)^2/(x-1)^5 ogf]  
A211381 9.56665 [ -(-10\*x^3+12\*x^2+54\*x+24)/(-2\*x^4+3\*x^3+9\*x^2-3\*x-7) lgdogf]  
A211386 10.6001 [ 1/(x-1)/(2\*x-1)^5 ogf]  
A211386 15.6882 [ -(12\*x-11)/(2\*x^2-3\*x+1) lgdogf]  
A211386 5.09357 [ {(-n-3)\*a(n+3)+(17+3\*n)\*a(n+2)+(-14-2\*n)\*a(n+1), a(0) = 1, a(1) = 11, a(2) = 71}, ogf]  
A211387 3.59691 [ -  
(44\*x^9-289\*x^8+804\*x^7-1311\*x^6+1338\*x^5-879\*x^4+373\*x^3-99\*x^2+15\*x-1)/  
(x^2-3\*x+1)/(x-1)^2/(2\*x-1)^6 ogf]  
A211388 13.2207 [ -(14\*x-13)/(2\*x^2-3\*x+1) lgdogf]  
A211388 4.29243 [ {(-n-3)\*a(n+3)+(19+3\*n)\*a(n+2)+(-16-2\*n)\*a(n+1), a(0) = 1, a(1) = 13, a(2) = 97}, ogf]  
A211388 8.26292 [ -1/(x-1)/(2\*x-1)^6 ogf]  
A211390 8.04198 [ -(x^12-x^11+x^8-x^7+2\*x^4-2\*x^3-2\*x-2)/(x+1)/(x^2+1)/(x-1)^2 ogf]  
A211407 13.8717 [ -(1067\*x^11+x^2+131\*x+1)/(x-1) ogf]  
A211412 10.2242 [ -(x^4+50\*x^2+40\*x+5)/(x-1)^5 ogf]  
A211412 8.74954 [ -(x^4+4\*x^3+150\*x^2+260\*x+65)/(x^5-x^4+50\*x^3-10\*x^2-35\*x-5) lgdogf]  
A211419 3.92576 [ {(432\*n^3+1944\*n^2+2868\*n+1386)\*a(n+1)+(-16\*n^3-80\*n^2-131\*n-70)\*a(n+2), a(0) = 1, a(1) = 10}, ogf]  
A211420 3.12732 [ {(32768\*n^4+196608\*n^3+437248\*n^2+427008\*n+154440)\*a(n+1)+(-54\*n^4-351\*n^3-849\*n^2-906\*n-360)\*a(n+2), a(0) = 1, a(1) = 140}, ogf]  
A211421 3.49630 [ {(8192\*n^4+49152\*n^3+109312\*n^2+106752\*n+38610)\*a(n+1)+(-216\*n^4-1404\*n^3-3378\*n^2-3561\*n-1386)\*a(n+2), a(0) = 1, a(1) = 14}, ogf]  
A211433 6.78317 [ -(x^6+5\*x^4+4\*x^3+5\*x^2+1)/(x^2+1)/(x+1)^2/(x-1)^3 ogf]  
A211434 7.62950 [ -(x^6-x^5+4\*x^4+4\*x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3 ogf]  
A211435 8.32766 [ -(x^6+x^5+4\*x^3+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3 ogf]  
A211436 5.24999 [ -(x^8+x^7+6\*x^6+9\*x^5+12\*x^4+9\*x^3+6\*x^2+x+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^3 ogf]  
A211438 8.19246 [ -(x^4+2\*x^3+8\*x^2+2\*x+1)/(x+1)^2/(x-1)^3 ogf]  
A211439 7.10893 [ -(x^6+2\*x^5+2\*x^4+12\*x^3+2\*x^2+2\*x+1)/(x^2+x+1)^2/(x-1)^3 ogf]  
A211440 7.07374 [ -(x^2+3\*x+1)\*(x^4-x^3+4\*x^2-x+1)/(x^2+x+1)^2/(x-1)^3 ogf]  
A211441 11.7714 [ 3\*x\*(x^2-2\*x-1)/(x-1)^3 ogf]  
A211441 11.9553 [ -(-x^2+2\*x+5)/(-x^3+3\*x^2-x-1) lgdogf]  
A211441 5.75292 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 0, a(1) = 3, a(2) = 15, a(3) = 33}, ogf]  
A211459 4.32634 [ -2\*(46\*x^7-25\*x^6-132\*x^5+74\*x^4+93\*x^3-52\*x^2-18\*x+10)/(x-1)/(2\*x-1)/(3\*x^2-1)/(x^2+x-1)/(2\*x^2-1) ogf]  
A211460 3.86841 [ -(104\*x^8+60\*x^7-312\*x^6-83\*x^5+332\*x^4+51\*x^3-143\*x^2-10\*x+21)/(x-1)/(2\*x-1)/(x+1)/(3\*x^2-1)/(x^2+x-1)/(2\*x^2-1) ogf]  
A211461 3.48575 [ -2\*(46\*x^9-71\*x^8-175\*x^7+222\*x^6+242\*x^5-210\*x^4-123\*x^3+84\*x^2+20\*x-12)/(2\*x-1)/(3\*x^2-1)/(2\*x^2-1)/(x^3-2\*x^2-x+1)/(x^2+x-1) ogf]  
A211463 4.03959 [ -4\*(30\*x^7-150\*x^6+92\*x^5+264\*x^4+11\*x^3-69\*x^2-5\*x+5)/(6\*x^2+2\*x-1)/(2\*x^3-6\*x^2-x+1)/(2\*x^3-5\*x^2-2\*x+1) ogf]  
A211465 5.97306 [ -4\*(10\*x^4+60\*x^3+61\*x^2-43\*x+6)/(4\*x-1)/(2\*x^2+4\*x-1)/(x^2+4\*x-1) ogf]  
A211466 13.0979 [ -(21\*x^2+17\*x-25)/(x-1)/(x^2+x-1) ogf]  
A211466 7.56168 [ {-a(n+3)+2\*a(n+2)-a(n), a(0) = 25, a(1) = 33, a(2) = 45}, ogf]  
A211476 8.99811 [ -(12\*x^3+8\*x^2-10\*x-7)/(x+1)/(2\*x-1)/(2\*x^2-1) ogf]  
A211477 6.09258 [ -2\*(6\*x^5-12\*x^4-7\*x^3+15\*x^2+3\*x-4)/(2\*x-1)/(2\*x^2-1)/(x^3-2\*x^2-x+1) ogf]  
A211478 3.98248 [ -(6\*x^8-x^7-51\*x^6+13\*x^5+99\*x^4-68\*x^3-33\*x^2+40\*x-9)/(x-1)/(2\*x-1)/(x^2+x-1)/(x^2+2\*x-1)/(x^3-2\*x^2-x+1) ogf]  
A211479 11.0039 [ -2\*(3\*x^2+5\*x-4)/(2\*x-1)/(x^2+2\*x-1) ogf]  
A211479 5.98455 [ {a(n+3)-4\*a(n+2)+3\*a(n+1)+2\*a(n), a(0) = 8, a(1) = 22, a(2) = 58}, ogf]

A211479 6.68862 [  $-( -6x^4 - 20x^3 - 3x^2 + 30x - 11 ) / ( -6x^5 - 19x^4 + 5x^3 + 29x^2 - 21x + 4 )$  lgdogf ]  
A211480 9.41148 [  $-x(3x^2 + 2x + 3) / (x^2 + x + 1) / (x - 1)^3$  ogf ]  
A211481 8.19710 [  $-(3x^4 + 5x^3 + 4x^2 + 2x + 1) / (x + 1) / (x^2 + x + 1) / (x - 1)^3$  ogf ]  
A211482 8.58226 [  $-(6x^7 - 6x^6 + 3x^5 - 2x^4 - x^3 - 3x^2 - 8x - 1) / (x - 1)^2$  ogf ]  
A211490 13.5103 [  $-(11x^2 + 9x - 13) / (x - 1) / (x^2 + x - 1)$  ogf ]  
A211490 7.66049 [  $\{-a(n+3) + 2a(n+2) - a(n), a(0) = 13, a(1) = 17, a(2) = 23\}$ , ogf ]  
A211491 4.32031 [  $-2(82x^7 - 19x^6 - 222x^5 + 93x^4 + 149x^3 - 71x^2 - 28x + 14) / (x - 1) / (2x - 1) / (3x^2 - 1) / (x^2 + x - 1) / (2x^2 - 1)$  ogf ]  
A211492 3.80285 [  $-(176x^8 + 144x^7 - 480x^6 - 225x^5 + 482x^4 + 125x^3 - 201x^2 - 22x + 29) / (x - 1) / (2x - 1) / (x + 1) / (3x^2 - 1) / (x^2 + x - 1) / (2x^2 - 1)$  ogf ]  
A211495 3.46554 [  $-4(108x^8 - 578x^7 + 526x^6 + 828x^5 - 314x^4 - 263x^3 + 77x^2 + 25x - 7) / (2x - 1) / (6x^2 + 2x - 1) / (2x^3 - 6x^2 - x + 1) / (2x^3 - 5x^2 - 2x + 1)$  ogf ]  
A211498 3.58951 [  $-2(60x^9 - 36x^8 - 284x^7 + 167x^6 + 426x^5 - 244x^4 - 218x^3 + 123x^2 + 34x - 19) / (x - 1) / (2x - 1) / (2x^2 - 1) / (x^2 + x - 1) / (2x^4 - 4x^2 + 1)$  ogf ]  
A211504 3.91326 [  $-6(42x^6 + 460x^5 + 1427x^4 + 967x^3 - 737x^2 + 137x - 8) / (6x - 1) / (2x^2 + 6x - 1) / (3x^2 + 6x - 1) / (x^2 + 6x - 1)$  ogf ]  
A211519 9.93914 [  $-x(x^3 + x + 1) / (x + 1) / (x^2 + x + 1) / (x - 1)^3$  ogf ]  
A211520 7.84592 [  $-x^3(x^3 + x + 1) / (x^2 + 1) / (x + 1)^2 / (x - 1)^3$  ogf ]  
A211521 7.31210 [  $-x^2(x^4 + x^2 + x + 1) / (x^2 + 1) / (x + 1)^2 / (x - 1)^3$  ogf ]  
A211522 7.87966 [  $-x^3(x^4 + x + 1) / (x + 1) / (x^4 + x^3 + x^2 + x + 1) / (x - 1)^3$  ogf ]  
A211523 8.65126 [  $-x^2(x^4 - x^3 + x^2 + 1) / (x^4 + x^3 + x^2 + x + 1) / (x - 1)^3$  ogf ]  
A211524 11.0783 [  $-x^8 / (x^2 + x + 1) / (x^4 + x^3 + x^2 + x + 1) / (x - 1)^3$  ogf ]  
A211525 11.6313 [  $-2(10x^2 + x - 4) / (2x - 1) / (2x^2 - 1)$  ogf ]  
A211525 6.32577 [  $\{a(n+3) - 2a(n+2) - 2a(n+1) + 4a(n), a(0) = 8, a(1) = 14, a(2) = 24\}$ , ogf ]  
A211525 7.06998 [  $-(40x^4 + 8x^3 - 30x^2 - 4x + 7) / (40x^5 - 16x^4 - 38x^3 + 16x^2 + 9x - 4)$  lgdogf ]  
A211526 10.2052 [  $-2(6x^3 - 11x^2 - 3x + 4) / (x - 1) / (2x - 1) / (2x^2 - 1)$  ogf ]  
A211527 4.18148 [  $-2(6x^8 - 10x^7 - 23x^6 + 42x^5 + 9x^4 - 40x^3 + 8x^2 + 11x - 4) / (x - 1) / (2x - 1) / (2x^2 - 1) / (x^2 + x - 1) / (x^3 - 2x^2 - x + 1)$  ogf ]  
A211528 6.30063 [  $-2(6x^5 - 5x^4 - 18x^3 + 11x^2 + 7x - 4) / (x^2 + x - 1) / (x - 1) / (2x - 1) / (2x^2 - 1)$  ogf ]  
A211529 6.35589 [  $-2(2x^5 - 11x^4 - 14x^3 + 15x^2 + 5x - 4) / (x^2 + x - 1) / (x - 1) / (2x - 1) / (2x^2 - 1)$  ogf ]  
A211530 4.83753 [  $-2(2x^7 - 3x^6 - 9x^5 + 19x^4 + 14x^3 - 16x^2 - 5x + 4) / (2x - 1) / (2x^2 - 1) / (x^2 + x - 1) / (x^3 - 2x^2 - x + 1)$  ogf ]  
A211531 4.10018 [  $-(2x^8 + x^7 - 23x^6 - 27x^5 + 45x^4 + 48x^3 - 31x^2 - 18x + 9) / (x + 1) / (2x - 1) / (x^2 + x - 1) / (x^2 + 2x - 1) / (x^3 - 2x^2 - x + 1)$  ogf ]  
A211532 5.20636 [  $-2(6x^6 + x^5 - 23x^4 - 3x^3 + 18x^2 + x - 4) / (x - 1) / (2x - 1) / (x + 1) / (2x^2 - 1) / (x^2 + x - 1)$  ogf ]  
A211533 7.45035 [  $-x^2(x^6 + x^4 + 2x^2 + 1) / (x^2 + x + 1) / (x^4 + x^3 + x^2 + x + 1) / (x - 1)^3$  ogf ]  
A211534 14.0818 [  $-x^6 / (x^2 + x + 1)^2 / (x - 1)^3$  ogf ]  
A211534 15.4358 [  $-(7x^2 + x + 1) / (x^3 - 1)$  lgdogf ]  
A211535 13.6700 [  $-x^9 / (x + 1) / (x^2 + 1) / (x^4 + x^3 + x^2 + x + 1) / (x - 1)^3$  ogf ]  
A211536 7.76900 [  $-x^3(x^6 + 2x^3 + x^2 + x + 2) / (x + 1) / (x^2 + 1) / (x^4 + x^3 + x^2 + x + 1) / (x - 1)^3$  ogf ]  
A211538 11.1794 [  $-x^3(2x + 1) / (x + 1)^2 / (x - 1)^3$  ogf ]  
A211538 13.4502 [  $-(8x^2 + 7x + 3) / (2x^3 + x^2 - 2x - 1)$  lgdogf ]  
A211538 5.03399 [  $\{(3n^2 + 5n - 2)a(n+1) + (-6 + 3n)a(n+2) + (-3n^2 + 4n)a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf ]  
A211539 10.2056 [  $-x^2(x+2) / (x+1)^2 / (x-1)^3$  ogf ]  
A211539 12.0897 [  $-( -4x^2 - 11x - 3 ) / ( -x^3 - 2x^2 + x + 2 )$  lgdogf ]  
A211539 4.64988 [  $\{(-3n^2 - 22n - 39)a(n+1) + (-15 - 3n)a(n+2) + (3n^2 + 13n + 10)a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf ]  
A211540 11.2350 [  $-(6x^3 + 7x^2 + 4x + 1) / (x^4 + x^3 - x - 1)$  lgdogf ]  
A211540 14.1915 [  $-x^5 / (x + 1) / (x^2 + x + 1) / (x - 1)^3$  ogf ]  
A211540 27.7838 [  $[x^2 + x + 1]$  ogf\_with\_Euler\_transform ]

A211541 5.89801 [  $-x^2*(x^6+x^5+x^4+x^3+2*x^2+x+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A211542 5.90226 [  $-x^2*(x^6+x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A211543 17.9759 [  $-x^7+x^4+x^3+x^2+1$  ogf\_with\_Euler\_transform]  
A211543 8.73175 [  $-x^4*(x^4+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A211544 7.44431 [  $-x^3*(x+1)*(x^4-x^3+x^2+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A211545 10.7926 [  $x*(7*x^2+13*x+4)/(x-1)^4$  ogf]  
A211545 11.9202 [  $-(14*x^2+53*x+29)/(7*x^3+6*x^2-9*x-4)$  lgdogf]  
A211545 3.97341 [  $\{(-12-4*n)*a(n+4)+(11-9*n)*a(n+3)+(59+6*n)*a(n+2)+(14+7*n)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 29, a(3) = 99\}$ , ogf]  
A211546 8.48354 [  $-x^3*(x^3+x^2+x+2)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A211547 10.5283 [  $-x^3*(x+1)*(x^2-x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A211547 10.5283 [  $-(4*x^5+x^4+x^3+10*x^2+x+1)/(x^6-1)$  lgdogf]  
A211547 27.8398 [  $-x^5+3*x^2+1$  ogf\_with\_Euler\_transform]  
A211549 13.4757 [  $-(25*x^2+19*x-31)/(x-1)/(x^2+x-1)$  ogf]  
A211549 7.77980 [  $\{-a(n+3)+2*a(n+2)-a(n), a(0) = 31, a(1) = 43, a(2) = 61\}$ , ogf]  
A211562 7.41509 [  $-(-2*x^4+10*x^3-21*x^2+12*x-14)/(-2*x^5+11*x^4-25*x^3+27*x^2-16*x+5)$  lgdogf]  
A211562 7.95020 [  $-(2*x^4-9*x^3+16*x^2-11*x+5)/(x-1)^5$  ogf]  
A211563 5.11421 [  $-(5*x^6-33*x^5+92*x^4-139*x^3+129*x^2-54*x+15)/(x-1)^7$  ogf]  
A211564 3.86903 [  $-(15*x^8-130*x^7+497*x^6-1097*x^5+1534*x^4-1367*x^3+867*x^2-266*x+52)/(x-1)^9$  ogf]  
A211565 4.59125 [  $-(52*x^{10}-557*x^9+2700*x^8-7808*x^7+14939*x^6-19799*x^5+18612*x^4-11581*x^3+5541*x^2-1357*x+203)/(x-1)^{11}$  ogf]  
A211567 5.85452 [  $-2*(94*x^5-77*x^4-79*x^3+62*x^2+16*x-12)/(x-1)/(2*x-1)/(3*x^2-1)/(2*x^2-1)$  ogf]  
A211568 4.52058 [  $-2*(82*x^7-x^6-228*x^5+75*x^4+145*x^3-61*x^2-26*x+12)/(x-1)/(2*x-1)/(3*x^2-1)/(x^2+x-1)/(2*x^2-1)$  ogf]  
A211569 4.49215 [  $-2*(58*x^7-37*x^6-196*x^5+111*x^4+125*x^3-69*x^2-22*x+12)/(x-1)/(2*x-1)/(3*x^2-1)/(x^2+x-1)/(2*x^2-1)$  ogf]  
A211570 7.52820 [  $-2*(29*x^4-15*x^3-32*x^2+6*x+8)/(x-1)/(3*x^2-1)/(2*x^2-1)$  ogf]  
A211573 5.87158 [  $-4*(24*x^5-42*x^4-14*x^3+30*x^2+x-4)/(x-1)/(2*x-1)/(6*x^2-1)/(2*x^2-1)$  ogf]  
A211576 3.42509 [  $-2*(60*x^9-186*x^8-286*x^7+421*x^6+290*x^5-318*x^4-91*x^3+90*x^2+8*x-8)/(x-1)/(2*x-1)/(3*x^2-1)/(6*x^2-1)/(x^2+x-1)/(2*x^2-1)$  ogf]  
A211578 4.20922 [  $-4*(36*x^7+18*x^6-116*x^5-84*x^4+49*x^3+38*x^2-5*x-4)/(6*x^2-1)/(2*x^2-1)/(x^2+x-1)/(4*x^2+x-1)$  ogf]  
A211584 4.20914 [  $-2*(60*x^8-126*x^7-340*x^6+45*x^5+299*x^4-x^3-88*x^2+8)/(2*x-1)/(3*x^2-1)/(6*x^2-1)/(x^2+x-1)/(2*x^2-1)$  ogf]  
A211606 11.3046 [  $-(3*x^3+7*x^2+16*x+10)/(-3*x^2-4*x-6)$  lgdegf]  
A211606 19.9889 [  $-(3*x^3+7*x^2+16*x+10)/(-3*x^2-4*x-6)$  lgdegf]  
A211607 11.1172 [  $-(13987*x^2-24518*x+10753)/(x-1)^3$  ogf]  
A211607 6.65208 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 10753, a(1) = 7741, a(2) = 4951\}$ , ogf]  
A211607 8.91818 [  $-(-13987*x^2+21062*x-7741)/(-13987*x^3+38505*x^2-35271*x+10753)$  lgdogf]  
A211612 10.8422 [  $x*(x^2+19*x+4)/(x-1)^4$  ogf]  
A211612 11.7988 [  $-(2*x^2+59*x+35)/(x^3+18*x^2-15*x-4)$  lgdogf]  
A211612 3.97188 [  $\{(-12-4*n)*a(n+4)+(5-15*n)*a(n+3)+(77+18*n)*a(n+2)+(n+2)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 35, a(3) = 117\}$ , ogf]  
A211613 4.38822 [  $\{(25805*n^2+8111*n)*a(n)+(38054*n^2+334862*n+202440)*a(n+1)+(-63859*n^2-73981*n-10122)*a(n+2), a(0) = 0, a(1) = 1\}$ , ogf]  
A211613 9.39595 [  $-(-3*x^3-17*x^2-56*x-20)/(-3*x^4-x^3-12*x^2+15*x+1)$  lgdogf]  
A211613 9.73971 [  $x*(3*x^3+4*x^2+16*x+1)/(x-1)^4$  ogf]  
A211614 8.54831 [  $-(-6*x^3-20*x^2-59*x-11)/(-3*x^5+9*x^4-25*x^3+12*x^2+6*x+1)$  lgdogf]

A211614 8.83326 [  $x^*(3x^4-6x^3+19x^2+7x+1)/(x-1)^4$  ogf]  
A211615 11.1978 [  $-6x*(x^2+x+1)/(x-1)^3$  ogf]  
A211615 13.9973 [  $-(x^2+4x+4)/(x^3-1)$  lgdogf]  
A211615 28.9208 [  $[-x^2+4]$  ogf\_with\_Euler\_transform]  
A211615 5.47263 [  $\{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 0, a(1) = 6, a(2) = 24, a(3) = 60\}$ , ogf]  
A211616 11.1311 [  $-6x*(x^3-x^2+4x+1)/(x-1)^3$  ogf]  
A211616 11.4403 [  $-(-2x^2-6x-7)/(-x^4+2x^3-5x^2+3x+1)$  lgdogf]  
A211616 5.56556 [  $\{-a(n+5)+3a(n+4)-3a(n+3)+a(n+2), a(0) = 0, a(1) = 6, a(2) = 42, a(3) = 102, a(4) = 192\}$ , ogf]  
A211617 7.49832 [  $(-(-14x^4-72x^3-156x^2-112x-30)/(-7x^5-17x^4-14x^3+14x^2+21x+3))$  lgdogf]  
A211617 8.81670 [  $x*(7x^3+17x^2+21x+3)/(x+1)/(x-1)^4$  ogf]  
A211618 8.06723 [  $x*(2x^4+5x^3+23x^2+15x+3)/(x+1)/(x-1)^4$  ogf]  
A211619 7.39496 [  $x*(2x^5-2x^4+11x^3+21x^2+15x+1)/(x+1)/(x-1)^4$  ogf]  
A211620 11.1238 [  $-2x*(2x^3+3x^2+6x+1)/(x+1)/(x-1)^3$  ogf]  
A211620 4.89975 [  $\{-a(n)*n+(-n-6)*a(n+1)+(n-4)*a(n+2)+(n+2)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 16\}$ , ogf]  
A211620 8.31473 [  $(-(-2x^4-10x^3-30x^2-22x-8)/(-2x^5-3x^4-4x^3+2x^2+6x+1))$  lgdogf]  
A211621 7.36073 [  $x*(7x^5+22x^4+44x^3+45x^2+23x+3)/(x+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A211622 8.06723 [  $x*(x^4+5x^3+22x^2+17x+3)/(x+1)/(x-1)^4$  ogf]  
A211623 11.1813 [  $-2x*(x^3+2x^2+4x+1)/(x+1)/(x-1)^3$  ogf]  
A211623 8.32890 [  $(-(-x^4-6x^3-19x^2-16x-6)/(-x^5-2x^4-3x^3+x^2+4x+1))$  lgdogf]  
A211624 7.42889 [  $x*(7x^4+23x^3+40x^2+22x+4)/(x+1)^2/(x-1)^4$  ogf]  
A211625 5.65014 [  $x*(7x^6+23x^5+48x^4+66x^3+44x^2+24x+4)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A211626 4.98335 [  $x*(7x^8+23x^7+48x^6+72x^5+92x^4+66x^3+48x^2+24x+4)/(x+1)^2/(x^2+1)^2/(x-1)^4$  ogf]  
A211627 4.36043 [  $x*(7x^{10}+23x^9+48x^8+72x^7+96x^6+118x^5+88x^4+72x^3+48x^2+24x+4)/(x^4+x^3+x^2+x+1)^2/(x-1)^4$  ogf]  
A211628 7.42889 [  $x*(7x^4+16x^3+27x^2+18x+4)/(x^2+x+1)/(x-1)^4$  ogf]  
A211629 6.41856 [  $x*(7x^5+16x^4+26x^3+24x^2+19x+4)/(x+1)/(x^2+1)/(x-1)^4$  ogf]  
A211630 5.98746 [  $x*(7x^6+16x^5+25x^4+26x^3+22x^2+20x+4)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A211661 15.5902 [  $-(x^{26}+x^2+1)/(x-1)$  ogf]  
A211662 11.3979 [  $(-6x^7-7x^6-1)/(-x^8+x^7-x+1)$  lgdogf]  
A211662 18.9038 [  $-x*(x+1)*(x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)$  ogf]  
A211662 25.7674 [  $-x^{13}+x^6+1$  ogf\_with\_Euler\_transform]  
A211662 5.27250 [  $\{a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 1, a(5) = 1, a(6) = 1, a(7) = 1, a(8) = 2\}$ , ogf]  
A211663 16.0289 [  $-(x^{15}+x^2+1)/(x-1)$  ogf]  
A211664 11.4370 [  $(-6x^7+7x^6+2)/(x^8-x^7+x^2-1)$  lgdogf]  
A211664 18.2992 [  $-(x^7+x+1)/(x-1)$  ogf]  
A211665 12.5763 [  $(-8x^9+9x^8+1)/(x^{10}-x^9+x-1)$  lgdogf]  
A211665 21.1651 [  $-(x+1)*(x^2-x+1)*(x^6-x^3+1)/(x-1)$  ogf]  
A211665 28.8576 [  $-x^{17}+x^8+1$  ogf\_with\_Euler\_transform]  
A211665 5.16529 [  $\{-a(n+2)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 1, a(5) = 1, a(6) = 1, a(7) = 1, a(8) = 1, a(9) = 2\}$ , ogf]  
A211666 10.7625 [  $\{-a(n+2)+a(n+1), a(0) = 0, a(1) = 1\}$ , ogf]  
A211666 26.3495 [  $-x/(x-1)$  ogf]  
A211666 31.8390 [  $1/(-x+1)$  lgdogf]  
A211666 58.6232 [  $[1]$  ogf\_with\_Euler\_transform]  
A211667 15.5011 [  $-x*(x^{14}+x^2+1)/(x-1)$  ogf]  
A211669 11.3979 [  $(-5x^6+6x^5+1)/(x^7-x^6+x-1)$  lgdogf]  
A211669 18.9038 [  $-x*(x^2+1)*(x^4-x^2+1)/(x-1)$  ogf]  
A211669 25.7674 [  $-x^{11}+x^5+1$  ogf\_with\_Euler\_transform]

A211669 5.74116 [ $\{a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 1, a(5) = 1, a(6) = 1, a(7) = 2\}$ , ogf]  
A211670 8.00914 [ $-(x^{58}-x^{57}-x^{56}+x^5-x^2-x-1)/(x^{58}+x^{56}+x^2+1)$  ogf\_with\_Euler\_transform]  
A211681 6.59488 [ $(2x^7-2x^6+5x^5-2x^4+2x^3+2x^2+x+2)/(x-1)/(10x^4-1)/(x^4+1)$  ogf]  
A211703 9.22808 [ $(4x^5+5x^4+7x^3+5x^2+3x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A211704 4.72869 [ $(5x^9+11x^8+19x^7+24x^6+26x^5+22x^4+16x^3+9x^2+4x+1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x-1)^2$  ogf]  
A211710 13.4757 [ $-2(14x^2+11x-17)/(x-1)/(x^2+x-1)$  ogf]  
A211710 7.11925 [ $(-14x^4-22x^3+23x^2+28x-23)/(-14x^5-11x^4+45x^3+8x^2-45x+17)$  lgdogf]  
A211710 7.77980 [ $\{-a(n+3)+2a(n+2)-a(n), a(0) = 34, a(1) = 46, a(2) = 64\}$ , ogf]  
A211715 14.0378 [ $-2(22x-17)/(x-1)/(2x-1)$  ogf]  
A211715 7.85448 [ $\{a(n+2)-3a(n+1)+2a(n), a(0) = 34, a(1) = 58\}$ , ogf]  
A211715 9.16356 [ $(-44x^2+68x-29)/(-44x^3+100x^2-73x+17)$  lgdogf]  
A211719 10.1487 [ $-(3036x-265)/(12x-1)/(11x-1)$  ogf]  
A211719 5.91079 [ $(-400752x^2+69960x-3059)/(-400752x^3+104808x^2-9131x+265)$  lgdogf]  
A211719 5.97647 [ $\{a(n+2)-23a(n+1)+132a(n), a(0) = 265, a(1) = 3059\}$ , ogf]  
A211720 5.21365 [ $-2(58x^6-10x^5-149x^4+21x^3+97x^2-7x-18)/(x-1)/(2x^2-1)/(2x^4-4x^2+1)$  ogf]  
A211721 4.34148 [ $-2(140x^7-102x^6-348x^5+251x^4+209x^3-147x^2-35x+24)/(x-1)/(2x-1)/(2x^2-1)/(2x^4-4x^2+1)$  ogf]  
A211722 3.46832 [ $-2(124x^9+14x^8-534x^7+65x^6+744x^5-225x^4-363x^3+142x^2+55x-24)/(x-1)/(2x-1)/(2x^2-1)/(x^2+x-1)/(2x^4-4x^2+1)$  ogf]  
A211723 3.50335 [ $-2(100x^9-22x^8-466x^7+163x^6+680x^5-295x^4-329x^3+155x^2+49x-24)/(x-1)/(2x-1)/(2x^2-1)/(x^2+x-1)/(2x^4-4x^2+1)$  ogf]  
A211724 5.28885 [ $-2(42x^6-26x^5-117x^4+53x^3+89x^2-15x-18)/(x-1)/(2x^2-1)/(2x^4-4x^2+1)$  ogf]  
A211766 3.42415 [ $-2(84x^7+1062x^6+4393x^5+6724x^4+1838x^3-2116x^2+411x-24)/(3x^2+6x-1)/(4x^2+6x-1)/(x^2+6x-1)/(2x^2+6x-1)$  ogf]  
A211773 10.8419 [ $-(1369x^2-2624x+1259)/(x-1)^3$  ogf]  
A211773 6.27217 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1259, a(1) = 1153, a(2) = 1051\}$ , ogf]  
A211773 8.92861 [ $(-1369x^2+2510x-1153)/(-1369x^3+3993x^2-3883x+1259)$  lgdogf]  
A211774 16.4613 [ $-(x^2+2)/(2x-2)$  lgdegf]  
A211774 45.0727 [ $-(x^2+2)/(2x-2)$  lgdegf]  
A211774 5.88860 [ $\{-2a(n+3)+n+2a(n+2)+n+a(n), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1/2\}$ , egf]  
A211775 11.6047 [ $-(5633x^2-11048x+5419)/(x-1)^3$  ogf]  
A211775 6.80936 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 5419, a(1) = 5209, a(2) = 5003\}$ , ogf]  
A211775 9.36286 [ $(-5633x^2+10830x-5209)/(-5633x^3+16681x^2-16467x+5419)$  lgdogf]  
A211784 8.27481 [ $-(x^4+6x^3+8x^2+6x+1)/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A211786 8.55904 [ $(2x^3+6x^2+9x+1)/(x+1)/(x-1)^4$  ogf]  
A211789 10.0976 [ $(-4x^3+4x^2-x)/(x^2-2x+1)$  revogf]  
A211813 13.4757 [ $-2(13x^2+10x-16)/(x-1)/(x^2+x-1)$  ogf]  
A211813 7.11925 [ $(-13x^4-20x^3+22x^2+26x-22)/(-13x^5-10x^4+42x^3+7x^2-42x+16)$  lgdogf]  
A211813 7.77980 [ $\{-a(n+3)+2a(n+2)-a(n), a(0) = 32, a(1) = 44, a(2) = 62\}$ , ogf]  
A211837 7.65086 [ $-(12x^4-56x^3+102x^2-88x+33)/(x-1)^5$  ogf]  
A211838 4.88726 [ $(-41x^6-275x^5+781x^4-1210x^3+1093x^2-561x+146)/(x-1)^7$  ogf]  
A211839 3.46905 [ -

$(159x^8-1390x^7+5367x^6-11983x^5+16980x^4-15720x^3+9383x^2-3355x+664)/(x-1)^9$  ogf]  
A211850 3.87054  $[(661n^2+4910n+7176)a(n+1)+(-538n^2-1142n+1737)a(n+2)+(-123n^2-1416n-3141)a(n+3), a(0) = 63, a(1) = 147, a(2) = 286]$ , ogf]  
A211850 8.44859  $[-(-20x^3+92x^2-163x+147)/(-20x^4+96x^3-181x^2+168x-63)]$  lgdogf]  
A211850 9.58194  $[-(20x^3-76x^2+105x-63)/(x-1)^4$  ogf]  
A211851 7.09811  $[-(50x^4-241x^3+457x^2-419x+196)/(x-1)^5$  ogf]  
A211852 5.53617  $[-(126x^5-735x^4+1768x^3-2228x^2+1515x-588)/(x-1)^6$  ogf]  
A211853 4.42059  $[-(323x^6-2210x^5+6435x^4-10295x^3+9696x^2-5181x+1731)/(x-1)^7$  ogf]  
A211866 10.6779  $[-(-81x^2-18x+19)/(-81x^3+81x^2+x-1)]$  lgdogf]  
A211866 16.0168  $[(9x+1)/(9x-1)/(x-1)]$  ogf]  
A211866 8.77112  $[-a(n+2)+10a(n+1)-9a(n), a(0) = 1, a(1) = 19]$ , ogf]  
A211894 13.5365  $[-(6x-3)/(8x^3-6x^2-3x+1)]$  lgdogf]  
A211894 26.6021  $-(6x-3)/(8x^3-6x^2-3x+1)$  lgdogf  
A211894 4.73777  $[(n+3)a(n+3)+(-9-3n)a(n+2)-6na(n+1)+8na(n), a(0) = 1, a(1) = 3, a(2) = 6]$ , ogf]  
A211895 15.0770  $[-(24x^2-12x+3)/(-64x^4-40x^3+30x^2+5x-1)]$  lgdogf  
A211895 9.36575  $[-(24x^2-12x+3)/(-64x^4-40x^3+30x^2+5x-1)]$  lgdogf]  
A211896 10.5896  $[-(192x^3+120x^2+30x-3)/(-1024x^5+704x^4+440x^3-110x^2-11x+1)]$  lgdogf  
A211896 7.21226  $[-(192x^3+120x^2+30x-3)/(-1024x^5+704x^4+440x^3-110x^2-11x+1)]$  lgdogf]  
A211899 7.88220  $[-x(x^4-4x^3+3x^2+2x+1)/(x-1)^5$  ogf]  
A211899 8.04472  $[-(-x^4+4x^3+3x^2-14x-7)/(-x^5+5x^4-7x^3+x^2+x+1)]$  lgdogf]  
A211905 8.61541  $[-x(x^4-4x^3+4x^2+2)/(x-1)^5$  ogf]  
A211905 8.80901  $[-(-x^4+4x^3-8x-10)/(-x^5+5x^4-8x^3+4x^2-2x+2)]$  lgdogf]  
A211911 7.88220  $[-x(x^4-5x^3+5x^2+x+1)/(x-1)^5$  ogf]  
A211911 9.07370  $[-(x^4-6x^3+14x+6)/(x^5-6x^4+10x^3-4x^2-1)]$  lgdogf]  
A211924 7.88220  $[-x(x-2)(x^3-3x^2-1)/(x-1)^5$  ogf]  
A211924 8.04472  $[-(x^4-6x^3+3x^2+8x+9)/(x^5-6x^4+11x^3-7x^2+3x-2)]$  lgdogf]  
A211958 7.91921  $[-x(x^4-5x^3+7x^2-3x+3)/(x-1)^5$  ogf]  
A211958 7.91921  $[-(-x^4+6x^3-6x^2-2x-12)/(-x^5+6x^4-12x^3+10x^2-6x+3)]$  lgdogf]  
A211971 16.4265  $[-(x^2+x+1)/(x^2-1)]$  ogf\_with\_Euler\_transform]  
A212031 7.76240  $[-(x^4-10x^3+12x^2+2x+10)/(x^5-8x^4+18x^3-16x^2+8x-3)]$  lgdogf]  
A212031 7.84002  $[-x(x^4-7x^3+11x^2-5x+3)/(x-1)^5$  ogf]  
A212039 7.80338  $[-(x^4-10x^3+6x^2+14x+4)/(x^5-8x^4+16x^3-10x^2+2x-1)]$  lgdogf]  
A212039 7.88220  $[-x(x^4-7x^3+9x^2-x+1)/(x-1)^5$  ogf]  
A212068 9.43821  $[x^2(x^2+x+3)/(x+1)/(x-1)^4$  ogf]  
A212068 9.78351  $[-(-3x^3-7x^2-20x-10)/(-x^4-x^3-2x^2+x+3)]$  lgdogf]  
A212069 6.97698  $[x(x^4-x^3+6x^2-x+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A212088 5.96575  $[-x^2(x^4+5x^3+15x^2+8x+7)/(x^2+x+1)/(x-1)^5$  ogf]  
A212089 6.20627  $[-x(7x^4+8x^3+15x^2+5x+1)/(x^2+x+1)/(x-1)^5$  ogf]  
A212090 7.62148  $[-x(x^3+10x^2+11x+1)/(x-1)^5$  ogf]  
A212090 8.43807  $[-(2x^3+33x^2+64x+16)/(x^4+9x^3+x^2-10x-1)]$  lgdogf]  
A212126 7.65659  $[-x^2(x^{10}+x^8+x^5+x^3+1)/(x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)]$  ogf]  
A212133 10.9881  $[x(7x^2+4x+1)/(x-1)^4$  ogf]  
A212133 12.1535  $[-(-14x^2-26x-8)/(-7x^3+3x^2+3x+1)]$  lgdogf]  
A212133 4.05117  $[(n+3)a(n+4)+(-2+3n)a(n+3)+(-23+3n)a(n+2)+(-14-7n)a(n+1), a(0) = 0, a(1) = 1, a(2) = 8, a(3) = 33]$ , ogf]  
A212134 10.6256  $[-(-6x^3+12x^2+42x+12)/(-3x^4+10x^3-6x-1)]$  lgdogf]  
A212134 4.25024  $[(55n^2+413n+606)a(n+1)+(-12n^2+176n+1004)a(n+2)+(-43n^2-197n-222)a(n+3), a(0) = 0, a(1) = 1, a(2) = 12]$ , ogf]  
A212134 8.87412  $[x(3x^3-7x^2-7x-1)/(x-1)^5$  ogf]  
A212135 15.1110  $[-(-3x^2-6x-6)/(-x^3+1)]$  lgdogf]  
A212135 31.1984  $[-x^2+6]$  ogf\_with\_Euler\_transform]



A212135 4.38949 [  $\{(-7n^2-3n+22)a(n+1)+(-9n^2-119n-84)a(n+2)+(16n^2+30n+14)a(n+3), a(0) = 0, a(1) = 0, a(2) = 4\}$ , ogf]
  
A212135 9.03125 [  $-4x^2(x^2+x+1)/(x-1)^5$  ogf]
  
A212145 7.08798 [  $-x(x^4+11x^3+22x^2+12x+1)/(x+1)/(x-1)^5$  ogf]
  
A212156 4.54326 [  $\{a(n+3)-57a(n+2)+399a(n+1)-343a(n), a(0) = 1, a(1) = 31, a(2) = 2257\}$ , ogf]
  
A212156 7.96716 [  $-(889x^2-26x+1)/(x-1)/(7x-1)/(49x-1)$  ogf]
  
A212160 13.2748 [  $(3x^2+8x+2)/(x+1)/(x-1)^2$  ogf]
  
A212160 7.10318 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 10, a(2) = 15\}$ , ogf]
  
A212160 9.75618 [  $-(-3x^3-19x^2-20x-10)/(-3x^4-8x^3+x^2+8x+2)$  lgdogf]
  
A212161 5.18028 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 6, a(1) = 10, a(2) = 23\}$ , ogf]
  
A212161 9.68118 [  $(7x^2+4x+6)/(x+1)/(x-1)^2$  ogf]
  
A212242 3.88275 [  $(x^8-3x^7+53x^6-51x^5+120x^4-51x^3+53x^2-3x+1)/(x^4+x^3+x^2+x+1)/(x-1)^6$  ogf]
  
A212246 14.1878 [  $-(4x+21)/(x^2+3x-4)$  lgdogf]
  
A212246 4.66579 [  $\{(4+4n)a(n+3)+(-21-3n)a(n+2)+(-3-n)a(n+1), a(0) = 0, a(1) = 0, a(2) = 4\}$ , ogf]
  
A212246 8.80004 [  $-x^2(x+4)/(x-1)^5$  ogf]
  
A212247 9.16185 [  $-(9x^3+13x^2+14x+4)/(3x^4+x^3-2x^2-x-1)$  lgdogf]
  
A212247 9.27496 [  $x(3x^2+x+1)/(x+1)/(x-1)^4$  ogf]
  
A212249 5.63080 [  $-x(x^5+11x^4+17x^3+21x^2+8x+1)/(x^2+x+1)/(x-1)^5$  ogf]
  
A212250 6.59241 [  $-x^2(x^3+6x^2+2x+4)/(x^2+x+1)/(x-1)^5$  ogf]
  
A212251 8.85116 [  $x^2(x^3+3x+1)/(x^2+x+1)/(x-1)^4$  ogf]
  
A212251 9.04569 [  $-(-3x^5-5x^4-18x^3-18x^2-12x-6)/(-x^6-3x^4+3x+1)$  lgdogf]
  
A212252 8.67288 [  $x^3(2x+3)/(x^2+x+1)/(x-1)^4$  ogf]
  
A212252 9.69993 [  $-(10x^3+24x^2+15x+11)/(2x^4+3x^3-2x-3)$  lgdogf]
  
A212254 8.73293 [  $x^3(3x^2+2x+1)/(x+1)/(x^2+x+1)/(x-1)^4$  ogf]
  
A212257 5.44413 [  $-(x^6-2x^5+19x^4-12x^3+19x^2-2x+1)/(x+1)/(x^2+1)/(x-1)^5$  ogf]
  
A212262 13.2119 [  $-(2x-1)(2x+1)/(3x-1)/(x^2+x-1)$  ogf]
  
A212262 6.66440 [  $\{a(n+3)-4a(n+2)+2a(n+1)+3a(n), a(0) = 1, a(1) = 4, a(2) = 10\}$ , ogf]
  
A212262 8.18562 [  $-(-12x^4-7x^2+12x-4)/(-12x^5-8x^4+19x^3-2x^2-4x+1)$  lgdogf]
  
A212272 8.42241 [  $x(9x^3-2x^2+x-2)/(x^2+x-1)/(x-1)^4$  ogf]
  
A212291 15.0895 [  $-(-x^2-1)/(-x^2+1)$  lgdegf]
  
A212291 3.23347 [  $\{(-2n^2-10n-12)a(n+1)+(-3n^2-16n-21)a(n+2)+(-n^2-5n-7)a(n+3)+(n+4)a(n+4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5\}$ , ogf]
  
A212291 39.5420 [  $-(-x^2-1)/(-x^2+1)$  lgdegf]
  
A212294 12.0471 [  $-x(x^5-x^4+x^3+x-3)/(x-1)^2$  ogf]
  
A212307 6.35610 [  $-9(x^2+x+1)(x^6+3x^3+9)/(x^9-81)$  egf]
  
A212323 12.2909 [  $(2x^2-2x+1)/(3x-1)/(x^2+x-1)$  ogf]
  
A212323 6.69415 [  $\{-a(n+3)+4a(n+2)-2a(n+1)-3a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]
  
A212323 7.89205 [  $-(-6x^4+12x^3-13x^2+2)/(-6x^5+2x^4+9x^3-12x^2+6x-1)$  lgdogf]
  
A212325 10.0254 [  $-((169x^2-338x+163)/(169x^3-507x^2+505x-167))$  lgdogf]
  
A212325 11.6714 [  $(169x^2-338x+167)/(x-1)^3$  ogf]
  
A212325 6.62697 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = -167, a(1) = -163, a(2) = -157\}$ , ogf]
  
A212329 12.7070 [  $-x(x+5)/(x-1)/(x^2-6x+1)$  ogf]
  
A212329 6.46695 [  $\{a(n+3)-7a(n+2)+7a(n+1)-a(n), a(0) = 0, a(1) = 5, a(2) = 36\}$ , ogf]
  
A212329 8.62260 [  $-(-2x^3-8x^2+70x-36)/(-x^4+2x^3+28x^2-34x+5)$  lgdogf]
  
A212330 4.80663 [  $x^5(x^9-2x^8+5x^7+2x^6-2x^5-6x^4+11x^3+8x^2-14x+4)(x-1)^2/(2x-1)^4$  ogf]
  
A212331 13.8997 [  $5x(2x-3)/(x-1)^3$  ogf]
  
A212331 17.0850 [  $-(-4x+7)/(-2x^2+5x-3)$  lgdogf]
  
A212331 7.25736 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 15, a(2) =$

35}], ogf]  
A212335 15.1105 [ -1/(x-1)/(x^2-21\*x+1) ogf]  
A212335 5.03682 [ {a(n+3)-22\*a(n+2)+22\*a(n+1)-a(n), a(0) = 1, a(1) = 22, a(2) = 462}, ogf]  
A212335 8.66629 [ -(3\*x^2-44\*x+22)/(x^3-22\*x^2+22\*x-1) lgdogf]  
A212336 15.4737 [ -1/(x-1)/(x^2-22\*x+1) ogf]  
A212336 5.15790 [ {a(n+3)-23\*a(n+2)+23\*a(n+1)-a(n), a(0) = 1, a(1) = 23, a(2) = 506}, ogf]  
A212336 8.87462 [ -(3\*x^2-46\*x+23)/(x^3-23\*x^2+23\*x-1) lgdogf]  
A212337 14.8212 [ 1/(x-1)^2/(3\*x-1)^2 ogf]  
A212337 15.4261 [ -(12\*x-8)/(3\*x^2-4\*x+1) lgdogf]  
A212337 4.94039 [ {(-n-3)\*a(n+3)+(16+4\*n)\*a(n+2)+(-15-3\*n)\*a(n+1), a(0) = 1, a(1) = 8, a(2) = 42}, ogf]  
A212338 5.25480 [ -(x+2)/(x^2+x-1)^3 ogf]  
A212339 7.44691 [ -(4\*x^2+4\*x+5)/(2\*x-1)^3/(x^2+x+1)^3 ogf]  
A212339 7.44691 [ -(-56\*x^4-80\*x^3-114\*x^2-46\*x-19)/(-8\*x^5-12\*x^4-18\*x^3-5\*x^2-x+5) lgdogf]  
A212340 10.5791 [ -(-20\*x^3-6\*x^2-2\*x-1)/(-5\*x^4-2\*x^3-x^2-x+1) lgdogf]  
A212340 17.4879 [ -1/(5\*x^4+2\*x^3+x^2+x-1) ogf]  
A212341 4.69424 [ -(25\*x^3+20\*x^2+14\*x+14)/(5\*x^4+2\*x^3+x^2+x-1)^3 ogf]  
A212342 5.95703 [ (x^4-x^3-2\*x^2+2\*x-1)/(x-1)^3 ogf]  
A212343 13.8752 [ -x^2\*(2\*x-5)/(x-1)^4 ogf]  
A212343 19.5385 [ -(-6\*x+18)/(-2\*x^2+7\*x-5) lgdogf]  
A212343 6.42542 [ {(-5-5\*n)\*a(n+3)+(18+7\*n)\*a(n+2)+(-4-2\*n)\*a(n+1), a(0) = 0, a(1) = 0, a(2) = 5}, ogf]  
A212344 12.3594 [ 2/(1-4\*x)^(1/2)/(1+(1-4\*x)^(1/2)) lgdogf]  
A212344 7.13042 [ {(-4\*n-6)\*a(n+1)+(n+3)\*a(n+2), a(0) = 5, a(1) = 5}, ogf]  
A212346 5.42850 [ (2\*x^6-5\*x^5+3\*x^4-x^3+4\*x^2-3\*x+1)/(x-1)^4 ogf]  
A212347 13.2821 [ -2\*(2\*x^2-7\*x+7)/(x-1)^5 ogf]  
A212347 16.0575 [ -(-6\*x^2+24\*x-28)/(-2\*x^3+9\*x^2-14\*x+7) lgdogf]  
A212347 5.22257 [ {(7\*n+28)\*a(n+4)+(-70-14\*n)\*a(n+3)+(42+9\*n)\*a(n+2)+(-8-2\*n)\*a(n+1), a(0) = 14, a(1) = 56, a(2) = 144, a(3) = 300}, ogf]  
A212350 4.81282 [ 2\*(4\*x^4+2\*x^3+2\*x^2+2\*x-3)/(2\*x-1) ogf]  
A212351 4.73519 [ 2\*(16\*x^6+4\*x^4+2\*x^2+2\*x-3)/(2\*x-1) ogf]  
A212369 4.52692 [ -(x^20-x^13+3\*x^11-2\*x^10+x^4-4\*x^3+6\*x^2-4\*x+1)/(x-1)/(x^22+x^21+x^20-2\*x^13+2\*x^12+2\*x^11-2\*x^10+x^4-4\*x^3+6\*x^2-4\*x+1) ogf]  
A212383 14.5961 [ -(x^4-x)/(-x^3+x+1) revogf]  
A212384 15.6652 [ -(x^5-x)/(-x^4+x+1) revogf]  
A212385 14.7836 [ -(x^6-x)/(-x^5+x+1) revogf]  
A212386 15.3153 [ -(x^7-x)/(-x^6+x+1) revogf]  
A212387 15.7813 [ -(x^8-x)/(-x^7+x+1) revogf]  
A212388 15.2989 [ -(x^9-x)/(-x^8+x+1) revogf]  
A212389 15.5338 [ -(x^10-x)/(-x^9+x+1) revogf]  
A212390 14.7780 [ -(x^11-x)/(-x^10+x+1) revogf]  
A212393 6.41833 [ (5\*x^8-18\*x^7-21\*x^6+6\*x^5-4\*x^4+5\*x^3-7\*x^2+4\*x-1)/(x-1)^5 ogf]  
A212395 3.28448 [ {(n^4+13\*n^3+54\*n^2+92\*n+56)\*a(n+1)+(-2\*n^3-21\*n^2-59\*n-46)\*a(n+2)+(n^2+7\*n+6)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 3}, ogf]  
A212403 7.65208 [ -1/8\*(-8\*x^2+(16\*x+25)^(1/2)-16\*x-5)/(4\*x^2+12\*x+9) revogf]  
A212415 14.1878 [ -(8\*x+17)/(2\*x^2+x-3) lgdogf]  
A212415 4.66579 [ {(3+3\*n)\*a(n+3)+(-17-n)\*a(n+2)+(-6-2\*n)\*a(n+1), a(0) = 0, a(1) = 0, a(2) = 3}, ogf]  
A212415 8.80004 [ -x^2\*(2\*x+3)/(x-1)^5 ogf]  
A212427 14.1231 [ x\*(16\*x-17)/(x-1)^3 ogf]  
A212427 15.7219 [ -(-32\*x+35)/(-16\*x^2+33\*x-17) lgdogf]  
A212427 7.37398 [ {-a(n+3)+3\*a(n+2)-3\*a(n+1)+a(n), a(0) = 0, a(1) = 17, a(2) = 35}, ogf]  
A212428 13.8522 [ x\*(17\*x-18)/(x-1)^3 ogf]  
A212428 15.4204 [ -(-34\*x+37)/(-17\*x^2+35\*x-18) lgdogf]  
A212428 7.23258 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 18, a(2) = 37}, ogf]

A212442 7.56185 [  $1/(x^2+14x-1)/(x^2-2x-1)^3$  ogf]  
A212442 7.73771 [  $-(-8x^3-88x^2+120x+8)/(-x^4-12x^3+30x^2+12x-1)$  lgdogf]  
A212446 7.90050 [  $-(x^2+1)*(x^{26}-x^{25}-x^{24}+x^{23}+x^{22}-x^{21}-x^{20}+x^{19}+x^{18}-x^{17}-x^{16}+x^{15}+x^{14}-x^{13}-x^{12}+x^{11}+x^{10}-2x^8+2x^6-2x^4+3x^2-x-2)/(x-1)^2$  ogf]  
A212500 10.6366 [  $-(4x^3+3x^2-4x-1)/(5x^4-10x^2+1)$  ogf]  
A212501 13.9041 [  $-(12x+13)/(3x^2-x-2)$  lgdogf]  
A212501 4.66579 [  $\{(2+2n)*a(n+3)+(-13+n)*a(n+2)+(-9-3n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A212501 8.80004 [  $-x^2*(3x+2)/(x-1)^5$  ogf]  
A212503 5.38689 [  $-x*(x^2+x+1)*(x^4+6x^3+22x^2+6x+1)/(x+1)^3/(x-1)^5$  ogf]  
A212504 5.91705 [  $-x^3*(x^4+4x^3+14x^2+10x+7)/(x+1)^3/(x-1)^5$  ogf]  
A212505 6.08960 [  $-x^2*(x^2+2x+3)*(3x^2+2x+1)/(x+1)^3/(x-1)^5$  ogf]  
A212506 5.71700 [  $-x*(4x^5+17x^4+42x^3+30x^2+14x+1)/(x+1)^3/(x-1)^5$  ogf]  
A212507 6.21413 [  $-x*(2x+1)*(3x^3+7x^2+7x+1)/(x+1)^2/(x-1)^5$  ogf]  
A212523 10.6122 [  $-(3x^2+26x+31)/(x^3+5x^2-x-5)$  lgdogf]  
A212523 8.05062 [  $-x^2*(x+5)*(x+1)/(x-1)^5$  ogf]  
A212560 10.6660 [  $-(15x^2+34x+11)/(5x^3+x^2-5x-1)$  lgdogf]  
A212560 3.59108 [  $\{(n+3)*a(n+4)+(-1+5n)*a(n+3)+(-35-n)*a(n+2)+(-15-5n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 11, a(3) = 50\}$ , ogf]  
A212560 8.60994 [  $-x*(x+1)*(5x+1)/(x-1)^5$  ogf]  
A212561 7.53091 [  $x^2*(x^3+x^2+3x+1)/(x+1)^2/(x-1)^4$  ogf]  
A212561 8.45136 [  $-(-3x^4-6x^3-20x^2-14x-5)/(-x^5-x^4-2x^3+3x+1)$  lgdogf]  
A212562 6.44188 [  $-x*(x^5+10x^4+29x^3+29x^2+12x+1)/(x+1)^2/(x-1)^5$  ogf]  
A212563 6.88235 [  $-x*(10x^4+27x^3+31x^2+13x+1)/(x+1)^2/(x-1)^5$  ogf]  
A212564 7.20854 [  $-x^3*(x^3+3x^2+7x+3)/(x+1)^2/(x-1)^5$  ogf]  
A212564 8.54055 [  $-(4x^4+18x^3+54x^2+48x+16)/(x^5+3x^4+6x^3-7x-3)$  lgdogf]  
A212565 7.27623 [  $-x^2*(3x^3+5x^2+5x+1)/(x+1)^2/(x-1)^5$  ogf]  
A212565 7.93109 [  $-(-12x^4-34x^3-54x^2-32x-8)/(-3x^5-5x^4-2x^3+4x^2+5x+1)$  lgdogf]  
A212566 6.50712 [  $x^3*(x^4-x^3+4x^2+x+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A212567 4.82727 [  $x^2*(x^7+x^6+5x^5+12x^4+13x^3+7x^2+5x+2)/(x+1)^2/(x^2+x+1)^2/(x-1)^4$  ogf]  
A212568 8.09148 [  $-2x^2*(6x^2+8x+1)/(x+1)/(x-1)^5$  ogf]  
A212568 8.38046 [  $-(-24x^3-64x^2-50x-12)/(-6x^4-8x^3+5x^2+8x+1)$  lgdogf]  
A212569 5.48545 [  $-x*(15x^6+36x^5+79x^4+36x^3+25x^2+1)/(x+1)^3/(x-1)^5$  ogf]  
A212570 6.96015 [  $x*(x^4+4x^3+10x^2+4x+1)/(x+1)^2/(x-1)^4$  ogf]  
A212571 7.06063 [  $-4x^2*(3x^3+8x^2+6x+2)/(x+1)^2/(x-1)^5$  ogf]  
A212571 7.82961 [  $-((12x^4+49x^3+69x^2+48x+12)/(3x^5+8x^4+3x^3-6x^2-6x-2))$  lgdogf]  
A212572 6.46471 [  $x*(x^5-9x^4-26x^3-30x^2-11x-1)/(x+1)^2/(x-1)^5$  ogf]  
A212573 6.14165 [  $-2x^2*(x^4+2x^3+4x^2+2x+1)/(x+1)^2/(x-1)^5$  ogf]  
A212574 5.78650 [  $-x*(x^5+x^4+2x^3+10x^2+5x+1)/(x+1)^2/(x-1)^5$  ogf]  
A212575 4.60209 [  $x*(x^8+4x^7+15x^6+32x^5+44x^4+32x^3+15x^2+4x+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^4$  ogf]  
A212577 5.19078 [  $x*(x^6+2x^5+10x^4+14x^3+10x^2+2x+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A212578 7.15497 [  $x*(x^4+2x^3+4x^2+2x+1)/(x+1)^2/(x-1)^4$  ogf]  
A212579 5.19654 [  $x*(7x^6+25x^5+39x^4+34x^3+21x^2+7x+1)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A212584 10.1511 [  $-(x^5-x^3-1)/(x-1)/(x+1)/(x^4+x-1)$  ogf]  
A212585 7.69494 [  $(x^8-2x^7+3x^5-2x^3-x-1)/(x^4+x-1)/(x-1)^2/(x+1)^2$  ogf]  
A212586 8.99664 [  $-(x^5-x^3-x^2-1)/(x-1)/(x+1)/(x^4+2x-1)$  ogf]  
A212587 5.99338 [  $(3x^4-2x^3-2x^2-2x-1)*(x^4+1)/(x^4+2x-1)/(x-1)^2/(x+1)^2$  ogf]  
A212588 3.10578 [  $-(x^4-x^3-1)/(x-1)/(x+1)/(x^3-x^2+2x-1)$  ogf]  
A212589 6.90050 [  $(x^3-x^2+1)*(x^4-2x^2-1)/(x+1)/(x^3-x^2+2x-1)/(x-1)^2$  ogf]  
A212592 7.38128 [  $-(6x^5+5x^4-20x^3-10x^2+6x+1)/(7x^6-35x^4+21x^2-1)$  ogf]  
A212593 5.28798 [  $-((8x^7+7x^6-56x^5-35x^4+56x^3+21x^2-8x-1)/(3x^2-1)/(3x^6-27x^4+33x^2-1))$  ogf]  
A212594 4.46049 [ -

$(10*x^9+9*x^8-120*x^7-84*x^6+252*x^5+126*x^4-120*x^3-36*x^2+10*x+1)/$   
 $(11*x^{10}-165*x^8+462*x^6-330*x^4+55*x^2-1)$  ogf]  
A212596 12.3328 [  $-12*(12*x-1)/(20*x-1)/(8*x-1)$  ogf]  
A212596 7.14742 [  $\{a(n+2)-28*a(n+1)+160*a(n), a(0) = 12, a(1) = 192\}$ , ogf]  
A212596 8.27596 [  $(-1920*x^2+320*x-16)/(-1920*x^3+496*x^2-40*x+1)$  lgdogf]  
A212598 13.5549 [  $x^2*(18*x^{22}-18*x^{21}+4*x^4-4*x^3+1)/(x-1)^2$  ogf]  
A212656 14.6385 [  $(-6*x^2-18*x-6)/(-6*x^3+3*x^2+2*x+1)$  lgdogf]  
A212656 15.5984 [  $(-6*x^2+3*x+1)/(x-1)^3$  ogf]  
A212656 8.42038 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 21\}$ , ogf]  
A212668 10.4464 [  $-(x^3+5*x^2-29*x-9)/(x-1)^4$  ogf]  
A212668 4.13614 [  $\{(-37*n^2-32*n+84)*a(n+1)+(954*n^2+7878*n+16425)*a(n+2)+(-917*n^2-5206*n-7365)*a(n+3), a(0) = 9, a(1) = 65, a(2) = 201\}$ , ogf]  
A212668 9.58612 [  $(-x^3-13*x^2+2+77*x+65)/(-x^4-4*x^3+34*x^2-20*x-9)$  lgdogf]  
A212669 7.20805 [  $2*(x^4+4*x^3+126*x^2+116*x+9)/(x-1)^6$  ogf]  
A212669 7.27479 [  $(2*x^4+16*x^3+516*x^2+832*x+170)/(x^5+3*x^4+122*x^3-10*x^2-107*x-9)$  lgdogf]  
A212670 6.62046 [  $(x^5+7*x^4-22*x^3+558*x^2+453*x+27)/(x-1)^6$  ogf]  
A212673 8.22692 [  $-2*x^2*(4*x^2+7*x+4)/(x+1)/(x-1)^5$  ogf]  
A212673 9.30941 [  $(-16*x^3-51*x^2-60*x-23)/(-4*x^4-7*x^3+7*x+4)$  lgdogf]  
A212674 7.18401 [  $-x*(x^4+4*x^3+8*x^2+4*x+1)/(x+1)/(x-1)^5$  ogf]  
A212675 7.82177 [  $-x*(x^4+6*x^2+10*x+1)/(x+1)/(x-1)^5$  ogf]  
A212676 7.20653 [  $x^2*(x^3+4*x^2+7*x+1)/(x+1)^2/(x-1)^4$  ogf]  
A212677 7.20653 [  $x^2*(2*x^3+3*x^2+4*x+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A212678 5.63361 [  $x^4*(2*x^4+6*x^3+9*x^2+9*x+5)/(x+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A212679 6.81353 [  $x*(3*x^4+10*x^3+16*x^2+6*x+1)/(x+1)^2/(x-1)^4$  ogf]  
A212680 7.00700 [  $2*x^2*(x+2)*(3*x^2+2*x+1)/(x+1)^2/(x-1)^4$  ogf]  
A212681 5.77744 [  $-2*x^2*(x^4+5*x^3+10*x^2+6*x+2)/(x+1)^2/(x-1)^5$  ogf]  
A212682 5.80996 [  $x*(x^5-3*x^4-14*x^3-22*x^2-9*x-1)/(x+1)^2/(x-1)^5$  ogf]  
A212683 28.6257 [  $-x^2+x+4$  ogf\_with\_Euler\_transform]  
A212683 8.47568 [  $2*x^2*(x^2+x+1)/(x+1)/(x-1)^4$  ogf]  
A212683 9.86895 [  $(-3*x^3-7*x^2-10*x-4)/(-x^4-x^3+x+1)$  lgdogf]  
A212684 7.54082 [  $(-2*x^4+6*x^3+18*x^2+20*x+6)/(-x^5+3*x^4+4*x^3-2*x^2-3*x-1)$  lgdogf]  
A212684 8.30337 [  $-x*(x^3-3*x^2-3*x-1)/(x+1)/(x-1)^4$  ogf]  
A212685 8.57466 [  $x^2*(x^2+x+2)/(x+1)/(x-1)^4$  ogf]  
A212685 8.99810 [  $(-3*x^3-7*x^2-15*x-7)/(-x^4-x^3-x^2+x+2)$  lgdogf]  
A212686 12.1474 [  $(4*x^3+2*x^2+8*x+2)/(x^4-1)$  lgdogf]  
A212686 24.9706 [  $[-x^3+3*x+2]$  ogf\_with\_Euler\_transform]  
A212686 8.57466 [  $4*x^2*(x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A212687 5.65924 [  $-x*(x^5+13*x^4+28*x^3+32*x^2+9*x+1)/(x+1)^2/(x-1)^5$  ogf]  
A212688 6.93582 [  $-2*x^2*(3*x^2+x+2)/(x+1)^2/(x-1)^5$  ogf]  
A212688 8.43998 [  $(-15*x^3-15*x^2-23*x-7)/(-3*x^4-x^3+x^2+x+2)$  lgdogf]  
A212689 7.09510 [  $-2*x^3*(2*x^2+x+3)/(x+1)^2/(x-1)^5$  ogf]  
A212689 8.53101 [  $(-10*x^3-12*x^2-28*x-10)/(-2*x^4-x^3-x^2+x+3)$  lgdogf]  
A212690 5.65924 [  $-x*(x^5+9*x^4+32*x^3+28*x^2+13*x+1)/(x+1)^2/(x-1)^5$  ogf]  
A212691 3.77099 [  $\{(-n^3-7*n^2-16*n-12)*a(n+1)+(-n^2-3*n)*a(n+2)+(n^3+2*n^2+n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 8\}$ , ogf]  
A212691 6.19977 [  $2*x^2*(x^4+3*x^3+6*x^2+3*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A212692 11.1225 [  $(-8*x^2+21*x+11)/(2*x^3+3*x^2-2*x-3)$  lgdogf]  
A212692 4.34371 [  $\{(5*n^2+29*n+42)*a(n+1)+(33+15*n)*a(n+2)+(-5*n^2-14*n-9)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 6\}$ , ogf]  
A212692 9.53360 [  $2*x^2*(2*x+3)/(x+1)/(x-1)^4$  ogf]  
A212697 23.1029 [  $2/(3*x-1)^2$  ogf]  
A212697 27.2284 [  $6/(-3*x+1)$  lgdogf]  
A212697 9.18548 [  $\{-a(n+2)+6*a(n+1)-9*a(n), a(0) = 2, a(1) = 12\}$ , ogf]  
A212698 20.5651 [  $3/(4*x-1)^2$  ogf]  
A212698 24.9719 [  $8/(-4*x+1)$  lgdogf]  
A212698 8.32398 [  $\{-a(n+2)+8*a(n+1)-16*a(n), a(0) = 3, a(1) = 24\}$ , ogf]  
A212699 16.8617 [  $4/(5*x-1)^2$  ogf]  
A212699 20.3503 [  $10/(-5*x+1)$  lgdogf]

A212699 6.94305 [  $\{-a(n+2)+10*a(n+1)-25*a(n), a(0) = 4, a(1) = 40\}$ , ogf]  
A212700 14.6170 [  $5/(6*x-1)^2$  ogf]  
A212700 17.6412 [  $12/(-6*x+1)$  lgdogf]  
A212700 6.01876 [  $\{-a(n+2)+12*a(n+1)-36*a(n), a(0) = 5, a(1) = 60\}$ , ogf]  
A212701 19.3439 [  $6/(7*x-1)^2$  ogf]  
A212701 23.3460 [  $14/(-7*x+1)$  lgdogf]  
A212701 7.96512 [  $\{-a(n+2)+14*a(n+1)-49*a(n), a(0) = 6, a(1) = 84\}$ , ogf]  
A212702 20.6277 [  $7/(8*x-1)^2$  ogf]  
A212702 24.8956 [  $16/(-8*x+1)$  lgdogf]  
A212702 8.39501 [  $\{-a(n+2)+16*a(n+1)-64*a(n), a(0) = 7, a(1) = 112\}$ , ogf]  
A212703 19.3492 [  $8/(9*x-1)^2$  ogf]  
A212703 23.3524 [  $18/(-9*x+1)$  lgdogf]  
A212703 7.87466 [  $\{-a(n+2)+18*a(n+1)-81*a(n), a(0) = 8, a(1) = 144\}$ , ogf]  
A212704 17.3422 [  $9/(10*x-1)^2$  ogf]  
A212704 20.8107 [  $20/(-10*x+1)$  lgdogf]  
A212704 7.17609 [  $\{-a(n+2)+20*a(n+1)-100*a(n), a(0) = 9, a(1) = 180\}$ , ogf]  
A212705 3.81553 [  $-2*(x^6-34*x^5-1373*x^4-7308*x^3-7273*x^2-1394*x-27)/(x-1)^8$  ogf]  
A212706 4.60135 [  $-(x^7+9*x^6-171*x^5-4883*x^4-29917*x^3-29413*x^2-5177*x-81)/(x-1)^8$  ogf]  
A212714 27.8081 [  $-x^2+x+5$  ogf\_with\_Euler\_transform]  
A212714 8.24139 [  $-2*x^2*(x^2+x+1)/(x+1)/(x-1)^5$  ogf]  
A212714 9.59614 [  $-(-4*x^3-9*x^2-12*x-5)/(-x^4-x^3+x+1)$  lgdogf]  
A212740 6.58064 [  $-x*(x^2+1)*(x^4+10*x^2+1)/(x+1)^3/(x-1)^5$  ogf]  
A212741 5.05335 [  $(x^7-x^6-3*x^5-47*x^4-57*x^3-47*x^2-13*x-1)/(x+1)^3/(x-1)^5$  ogf]  
A212742 6.78313 [  $-(x^2+1)*(x^4+10*x^2+1)/(x+1)^3/(x-1)^5$  ogf]  
A212743 5.83739 [  $-2*x*(7*x^4+18*x^3+34*x^2+18*x+7)/(x+1)^3/(x-1)^5$  ogf]  
A212744 6.41171 [  $(x^2+x+1)*(x^4+6*x^3+16*x^2+6*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A212745 4.64026 [  $(x+1)*(x^8+6*x^7+13*x^6+40*x^5+18*x^4+40*x^3+13*x^2+6*x+1)/(x^2+x+1)^3/(x-1)^4$  ogf]  
A212746 6.12647 [  $(15*x^6+50*x^5+115*x^4+104*x^3+61*x^2+14*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A212747 8.16527 [  $(x^4+4*x^2+1)/(x^2+1)/(x-1)^4$  ogf]  
A212748 6.34304 [  $(3*x^5-3*x^4-6*x^3+10*x^2+3*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A212749 5.67466 [  $-(12*x^5+37*x^4+60*x^3+40*x^2+12*x+1)/(x+1)^3/(x-1)^5$  ogf]  
A212750 5.69266 [  $-(6*x^5+37*x^4+50*x^3+42*x^2+12*x+1)/(x+1)^3/(x-1)^5$  ogf]  
A212751 5.78092 [  $(12*x^5-25*x^4-36*x^3-40*x^2-12*x-1)/(x+1)^3/(x-1)^5$  ogf]  
A212752 5.52226 [  $-x*(x^5+14*x^4+46*x^3+68*x^2+43*x+14)/(x+1)^3/(x-1)^5$  ogf]  
A212753 7.02869 [  $-(-3*x^4-52*x^3-156*x^2-180*x-69)/(-x^5-12*x^4-20*x^3+21*x+12)$  lgdogf]  
A212753 7.48709 [  $-x*(x^3+12*x^2+21*x+12)/(x+1)/(x-1)^5$  ogf]  
A212754 7.53094 [  $-x*(x^3+12*x^2+21*x+8)/(x+1)/(x-1)^5$  ogf]  
A212755 3.64842 [  $\{(25*n^2+218*n+429)*a(n+1)+(-62*n^2-460*n-762)*a(n+2)+(37*n^2+194*n+249)*a(n+3), a(0) = 1, a(1) = 10, a(2) = 37\}$ , ogf]  
A212755 8.00976 [  $-(x^3-3*x^2+5*x+1)/(x-1)^5$  ogf]  
A212755 8.49816 [  $-(-2*x^3+6*x^2-14*x-10)/(-x^4+4*x^3-8*x^2+4*x+1)$  lgdogf]  
A212756 3.86547 [  $(3*x^10+15*x^9+46*x^8+87*x^7+125*x^6+133*x^5+108*x^4+61*x^3+25*x^2+6*x+1)/(x+1)^3/(x^2+x+1)^3/(x-1)^4$  ogf]  
A212757 3.90800 [  $(19*x^8+38*x^7+43*x^6+52*x^5+68*x^4+40*x^3+13*x^2+2*x+1)/(x+1)^2/(x^2+x+1)^3/(x-1)^4$  ogf]  
A212758 5.24495 [  $(7*x^7+19*x^6+18*x^5+40*x^4+34*x^3+12*x^2+7*x+1)/(x^2+x+1)^3/(x-1)^4$  ogf]  
A212759 4.91168 [  $-(2*x^6+x^5+21*x^4+4*x^3+18*x^2+x+1)/(x+1)^4/(x-1)^5$  ogf]  
A212760 7.57839 [  $(x^4+2*x^3+6*x^2+2*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A212760 7.72005 [  $-(3*x^5+9*x^4+36*x^3+24*x^2+21*x+3)/(x^6+2*x^5+5*x^4-5*x^2-2*x-1)$  lgdogf]  
A212761 5.15846 [  $-2*x^2*(x^5+2*x^4+9*x^3+6*x^2+5*x+1)/(x+1)^4/(x-1)^5$  ogf]  
A212762 5.10687 [  $-2*x*(x^5+5*x^4+6*x^3+9*x^2+2*x+1)/(x+1)^4/(x-1)^5$  ogf]  
A212763 4.86369 [  $-x*(x^6+x^5+18*x^4+4*x^3+21*x^2+x+2)/(x+1)^4/(x-1)^5$  ogf]

A212764 5.14007 [  $-x^*(x^5+x^4+10x^3+4x^2+7x+1)/(x+1)^4/(x-1)^5$  ogf]  
A212765 5.33606 [  $-x^*(x^5+7x^4+4x^3+10x^2+x+1)/(x+1)^4/(x-1)^5$  ogf]  
A212766 5.97666 [  $-2x^*(2x^4+5x^3+10x^2+5x+2)/(x+1)^3/(x-1)^5$  ogf]  
A212767 7.20798 [  $(x^4+2x^3+4x^2+1)/(x+1)^3/(x-1)^4$  ogf]  
A212772 10.1074 [  $(3x^5-2x^4+2x^3-2x+1)/(x+1)/(x^2+1)/(x-1)^4$  ogf]  
A212776 8.56919 [  $-(9x^3+17x^2+16x+11)/(2x^4+3x^3+2x^2+x-1)$  ogf]  
A212777 6.68691 [  $-(32x^4+41x^3-12x^2-43x-28)/(4x^5+4x^4-3x^3-5x^2-2x+1)$  ogf]  
A212778 4.05936 [  $-(25x^7+68x^6-47x^5-234x^4-288x^3-238x^2-140x-56)/(2x^8+5x^7-5x^6-18x^5-19x^4-14x^3-7x^2-2x+1)$  ogf]  
A212783 5.31350 [  $-(2x^6+9x^5+29x^4+42x^3+40x^2+17x+5)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A212790 7.15035 [  $-x^3*(20x^9-21x^8-4x^7+2x^6+2x^5-2x^4+2x^3+x^2-2)/(x-1)^2$  ogf]  
A212804 14.8753 [  $\{-a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 0\}$ , ogf]  
A212804 23.1712 [  $-(-x^2+2x)/(-x^3+2x-1)$  lgdogf]  
A212804 26.7756 [  $(x-1)/(x^2+x-1)$  ogf]  
A212823 10.5092 [  $(x^2+x+1)*(x^2+x-1)/(2x^2+2x-1)$  ogf]  
A212824 6.31028 [  $(x^2+x+1)*(x^4+2x^3-2x^2-3x+1)/(3x^2+3x-1)/(x^2+x-1)$  ogf]  
A212825 4.54007 [  $(x^2+x+1)*(3x^6+9x^5-15x^3-3x^2+6x-1)/(2x^2+2x-1)/(x^2+x-1)/(4x^2+4x-1)$  ogf]  
A212826 3.55194 [  $(x^2+x+1)*(11x^8+44x^7+29x^6-67x^5-68x^4+27x^3+22x^2-10x+1)/(2x^2+2x-1)/(5x^2+5x-1)/(x^2+x-1)/(3x^2+3x-1)$  ogf]  
A212831 12.1485 [  $x*(x^4+2x^2+2x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A212832 10.5201 [  $-(-10x^3+23x^2-16x)/(5x^4-13x^3+10x^2-4x+2)$  lgdogf]  
A212832 16.0779 [  $(5x^3-8x^2+2x-2)/(x-1)$  ogf]  
A212832 8.96978 [  $\{-a(n+4)+a(n+3), a(0) = 2, a(1) = 0, a(2) = 8, a(3) = 3\}$ , ogf]  
A212834 12.2380 [  $-2*(24x+31)/(6x^2+7x-1)$  ogf]  
A212834 6.76687 [  $\{a(n+2)-7a(n+1)-6a(n), a(0) = 62, a(1) = 482\}$ , ogf]  
A212834 7.46992 [  $-(-144x^2-372x-241)/(-144x^3-354x^2-193x+31)$  lgdogf]  
A212836 10.4173 [  $(x^3-6x^2+9x+2)/(x-1)^4$  ogf]  
A212836 4.26665 [  $\{(7n^2+37n+46)*a(n+1)+(-32n^2-224n-388)*a(n+2)+(25n^2+133n+174)*a(n+3), a(0) = 2, a(1) = 17, a(2) = 50\}$ , ogf]  
A212836 9.66423 [  $-(-x^3+9x^2-15x-17)/(-x^4+7x^3-15x^2+7x+2)$  lgdogf]  
A212837 7.02730 [  $-(-x^4-2x^3-30x^2+110x+41)/(x^5-4x^4-4x^3+38x^2-29x-2)$  lgdogf]  
A212837 7.46651 [  $-(-x^4-3x^3-7x^2+31x+2)/(x-1)^5$  ogf]  
A212838 6.30395 [  $-(-x^5-12x^4+50x^3-70x^2-87x-2)/(x-1)^6$  ogf]  
A212839 4.98298 [  $(x^6-9x^5+12x^4+130x^3-627x^2-225x-2)/(x-1)^7$  ogf]  
A212840 3.92430 [  $(x^7-18x^6+151x^5-682x^4+1543x^3+3482x^2+561x+2)/(x-1)^8$  ogf]  
A212841 3.32734 [  $-(x^8-23x^7+179x^6-563x^5-551x^4+23723x^3+16177x^2+1375x+2)/(x-1)^9$  ogf]  
A212850 10.5386 [  $-(9x+1)/(x-1)/(6x-1)/(3x-1)$  ogf]  
A212850 5.00135 [  $\{a(n+3)-10a(n+2)+27a(n+1)-18a(n), a(0) = 1, a(1) = 19, a(2) = 163\}$ , ogf]  
A212850 6.48526 [  $-(-324x^3-189x^2-54x+19)/(162x^4-225x^3+63x^2+x-1)$  lgdogf]  
A212851 4.87449 [  $(3744x^3+216x^2-164x-1)/(x-1)/(6x-1)/(24x-1)/(12x-1)/(4x-1)$  ogf]  
A212864 10.0693 [  $x*(x^3-2x^2-x-2)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A212885 11.5125 [  $-(-3x^3-2x^2-5x-2)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A212889 6.52541 [  $-(-x^2+1)*(x^4+46x^2+1)/(x+1)^3/(x-1)^5$  ogf]  
A212890 6.98219 [  $-2x*(7x^4+34x^2+7)/(x+1)^3/(x-1)^5$  ogf]  
A212892 7.76080 [  $-2x^2*(x^4+2x^3+6x^2+2x+1)/(x+1)^3/(x-1)^5$  ogf]  
A212892 8.47939 [  $-(-4x^5+12x^4+44x^3+32x^2+24x+4)/(x^6+2x^5+5x^4-5x^2-2x-1)$  lgdogf]  
A212893 5.44413 [  $-(-x^6+2x^5+15x^4+12x^3+15x^2+2x+1)/(x+1)^3/(x-1)^5$  ogf]  
A212894 7.91525 [  $2x*(x^4+x^3+8x^2+7x+1)/(x-1)^4$  ogf]  
A212894 8.67817 [  $-(-5x^3+19x^2+37x+11)/(x^5+7x^3-x^2-6x-1)$  lgdogf]  
A212895 6.26309 [  $2x^2*(x^6+x^5-x^4+6x^3+7x^2+3x+1)/(x-1)^4$  ogf]

A212896 7.27311 [  $(2*x^5+2*x^4+16*x^3+21*x^2+12*x+1)/(x-1)^4$  ogf]  
A212897 7.12619 [  $-2*x^2*(x^4+7*x^2+3*x+1)/(x-1)^5$  ogf]  
A212898 5.83873 [  $(2*x^8+2*x^7-2*x^6+14*x^5+16*x^4+22*x^3+23*x^2+12*x+1)/(x-1)^4$  ogf]  
A212899 6.09488 [  $-2*x^3*(x^6-2*x^4+8*x^3+x^2+3*x+1)/(x-1)^5$  ogf]  
A212900 4.51536 [  $-2*x*(7*x^6+18*x^5+36*x^4+40*x^3+31*x^2+10*x+2)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A212901 8.10451 [  $-(7*x^4+9*x^3+8*x^2+3*x+1)/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A212902 4.99009 [  $-2*x^2*(2*x^5+4*x^4+7*x^3+7*x^2+5*x+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A212903 4.76231 [  $-(x^7-2*x^6-2*x^5+11*x^4+19*x^3+18*x^2+6*x+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A212904 6.17837 [  $-(x^6+4*x^5-x^4-8*x^3-11*x^2-4*x-1)/(x+1)^2/(x-1)^4$  ogf]  
A212905 6.47457 [  $(x^6+4*x^5-3*x^4-8*x^3+3*x^2+4*x+1)/(x+1)^2/(x-1)^4$  ogf]  
A212907 8.52914 [  $-(-3*x^4-2*x^3-x^2-2*x-1)/(x^5+x^4+x^3+x^2+x+1)$   
ogf\_with\_Euler\_transform]  
A212925 4.32415 [  $\{a(n+3)-37*a(n+2)+279*a(n+1)-243*a(n), a(0) = 10, a(1) = 568, a(2) = 18226\}$ , ogf]  
A212925 8.79007 [  $-2*(99*x+5)/(x-1)/(27*x-1)/(9*x-1)$  ogf]  
A212926 3.33458 [  $5*(2476032*x^3+72704*x^2-5104*x-7)/(x-1)/(96*x-1)/(16*x-1)/(256*x-1)/(36*x-1)$  ogf]  
A212938 4.29325 [  $\{a(n+3)-55*a(n+2)+936*a(n+1)-4860*a(n), a(0) = 1, a(1) = 181, a(2) = 9019\}$ , ogf]  
A212938 8.65689 [  $-(126*x+1)/(18*x-1)/(27*x-1)/(10*x-1)$  ogf]  
A212939 3.17903 [  $(96512000*x^3-108800*x^2-9680*x-1)/(160*x-1)/(80*x-1)/(35*x-1)/(100*x-1)/(256*x-1)$  ogf]  
A212959 12.7497 [  $-(3*x^2+2*x+1)/(x+1)/(x-1)^3$  ogf]  
A212959 9.48451 [  $-(6*x^3+12*x^2+14*x+4)/(3*x^4+2*x^3-2*x^2-2*x-1)$  lgdogf]  
A212960 28.6642 [  $-x^2+x+4$  ogf\_with\_Euler\_transform]  
A212960 8.91014 [  $4*x*(x^2+x+1)/(x+1)/(x-1)^4$  ogf]  
A212960 9.88659 [  $-(-3*x^3-7*x^2-10*x-4)/(-x^4-x^3+x+1)$  lgdogf]  
A212962 9.37262 [  $-x*(x^3-x-3)/(x-1)/(x+1)/(x^2+3*x-1)$  ogf]  
A212963 11.7211 [  $12*x^3/(x+1)/(x-1)^4$  ogf]  
A212963 16.5161 [  $-(-5*x-3)/(-x^2+1)$  lgdogf]  
A212963 34.3677 [  $[3+x]$  ogf\_with\_Euler\_transform]  
A212963 5.34345 [  $\{-n*a(n+3)+3*a(n+2)+(n+3)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 12\}$ , ogf]  
A212964 12.2936 [  $2*x^3/(x+1)/(x-1)^4$  ogf]  
A212964 17.0435 [  $-(-5*x-3)/(-x^2+1)$  lgdogf]  
A212964 35.4993 [  $[3+x]$  ogf\_with\_Euler\_transform]  
A212964 5.55490 [  $\{-n*a(n+3)+3*a(n+2)+(n+3)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$ , ogf]  
A212965 8.19246 [  $-(x^4+3*x^3+6*x^2+3*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A212966 8.10430 [  $-(5*x^4+5*x^3+2*x^2+x+1)/(x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A212967 8.30337 [  $x*(3*x^2+4*x+3)/(x+1)^2/(x-1)^4$  ogf]  
A212967 9.72368 [  $-(-12*x^3-26*x^2-32*x-10)/(-3*x^4-4*x^3+4*x+3)$  lgdogf]  
A212968 7.30471 [  $(x^4+3*x^3+6*x^2+3*x+1)/(x+1)^2/(x-1)^4$  ogf]  
A212969 7.28007 [  $2*x^2*(x^3+2*x^2+3*x+1)/(x+1)^2/(x-1)^4$  ogf]  
A212970 8.21992 [  $2*x*(2*x^2+2*x+1)/(x+1)^2/(x-1)^4$  ogf]  
A212970 8.92162 [  $-(-8*x^3+14*x^2+14*x+4)/(2*x^4+2*x^3-x^2-2*x-1)$  lgdogf]  
A212971 7.91743 [  $x^2*(x^2+2*x+3)/(x^2+x+1)/(x-1)^4$  ogf]  
A212972 8.01241 [  $(3*x^3+3*x^2+5*x+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A212973 7.86638 [  $(x^3+3*x^2+x+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A212974 7.60594 [  $x*(x^3+4*x^2+3*x+4)/(x^2+x+1)/(x-1)^4$  ogf]  
A212975 7.64957 [  $-(2*x^5+2*x^4+44*x^3+20*x^2+26*x+2)/(x^6+9*x^4-9*x^2-1)$  lgdogf]  
A212975 8.07454 [  $(x^4+10*x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A212976 12.0503 [  $-(4*x^3+2*x^2+8*x+2)/(x^4-1)$  lgdogf]  
A212976 24.7606 [  $[-x^3+3*x+2]$  ogf\_with\_Euler\_transform]  
A212976 8.92617 [  $6*(x^2+1)*x/(x+1)^2/(x-1)^4$  ogf]  
A212977 7.72443 [  $x*(x^2+3*x+3)/(x+1)^3/(x-1)^4$  ogf]  
A212977 9.13744 [  $-(-5*x^3-19*x^2-26*x-6)/(-x^4-3*x^3-2*x^2+3*x+3)$  lgdogf]

A212978 9.10447 [  $-(2*x^3+2*x^2+3*x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A212979 5.10827 [  $-(x^8-x^7+x^6+5*x^5-3*x^4+5*x^3+x^2-x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A212980 9.03177 [  $x*(x^2+3*x+1)/(x+1)/(x-1)^4$  ogf]  
A212980 9.88612 [  $-(-3*x^3-15*x^2-16*x-6)/(-x^4-3*x^3+3*x+1)$  lgdogf]  
A212981 8.92162 [  $-(-3*x^3-11*x^2-18*x-8)/(-x^4-2*x^3-x^2+2*x+2)$  lgdogf]  
A212981 9.03177 [  $x*(x^2+2*x+2)/(x+1)/(x-1)^4$  ogf]  
A212982 11.2489 [  $x*(2*x+3)/(x+1)/(x-1)^4$  ogf]  
A212982 12.4420 [  $-(8*x^2+21*x+11)/(2*x^3+3*x^2-2*x-3)$  lgdogf]  
A212982 4.14732 [  $\{( -9-3*n)*a(n+4)+(7-2*n)*a(n+3)+(24+3*n)*a(n+2)+(8+2*n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 11, a(3) = 27\}$ , ogf]  
A212983 9.10278 [  $-(6*x^3+14*x^2+15*x+5)/(2*x^4+2*x^3-x^2-2*x-1)$  lgdogf]  
A212983 9.69387 [  $(2*x^2+2*x+1)/(x+1)/(x-1)^4$  ogf]  
A212984 10.5127 [  $-(2*x^2-x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A212984 9.19865 [  $-(-6*x^4-7*x^2-4*x-1)/(-2*x^5+x^4-x^3+2*x^2-x+1)$  lgdogf]  
A212985 9.42901 [  $-(2*x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A212986 9.84517 [  $-(x^3+x^2+1)/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A212987 8.26254 [  $-(2*x^4+2*x^3+x^2+x+1)/(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A212988 9.56613 [  $-(x^3+x^2-x+1)/(x^2+1)/(x+1)/(x-1)^3$  ogf]  
A212989 8.74324 [  $-(3*x^4+x^3+x^2+x+1)/(x+1)^2/(x^2+1)^2/(x-1)^3$  ogf]  
A213002 9.37138 [[1] ogf\_with\_Euler\_transform]  
A213003 11.1168 [[1] ogf\_with\_Euler\_transform]  
A213006 6.87832 [  $(8*x^{24}-2*x^{23}-x^{22}-x^{19}+98*x^{14}+2*x^{13}+x^{12}+2*x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A213012 4.55497 [  $-(360*x^{11}+408*x^{10}-268*x^9-380*x^8-156*x^7-180*x^6+126*x^4+24*x^3+37*x+26)/(x-1)/(x+1)/(2*x^2-1)/(2*x^4-1)$  ogf]  
A213022 13.5101 [  $-(3*x^2-2*x+5)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A213029 5.98380 [  $-x^2*(3*x^4+3*x^3+2*x^2+x+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^3$  ogf]  
A213030 9.28758 [  $-x^2*(3*x^3+2*x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A213031 4.40516 [  $x^2*(7*x^8+14*x^7+19*x^6+22*x^5+26*x^4+16*x^3+7*x^2+2*x+1)/(x+1)^3/(x^2+x+1)^3/(x-1)^4$  ogf]  
A213032 7.10577 [  $-x^3*(x^7+2*x^6+2*x^5+3*x^3+x+1)/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2/(x-1)^3$  ogf]  
A213034 5.89618 [  $-x^3*(x^6+2*x^5+x^4+7*x^3+x^2+2*x+4)/(x+1)/(x^2-x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A213035 7.94412 [  $-x*(x+1)*(3*x^3+2*x^2+2*x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A213036 8.70304 [  $-x*(5*x^3+2*x^2+2*x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A213037 8.02468 [  $-(2*x^4-8*x^3-4*x^2-12*x-2)/(x^5-3*x^4-2*x^3+2*x^2+x+1)$  lgdogf]  
A213037 8.74600 [  $x*(x^3-3*x^2-x-1)/(x+1)^2/(x-1)^3$  ogf]  
A213038 4.14921 [  $\{(n+2)*a(n+1)+(-2*n-8)*a(n+2)+(-n-1)*a(n+3)+(2*n+3)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 6\}$ , ogf]  
A213038 8.69995 [  $-(4*x^4-7*x^3+3*x^2-11*x-1)/(2*x^5-3*x^4-2*x^3+2*x^2+1)$  lgdogf]  
A213038 9.98883 [  $x*(2*x^3-3*x^2-1)/(x+1)^2/(x-1)^3$  ogf]  
A213039 5.18507 [  $x*(x+1)*(7*x^6+12*x^5+18*x^4+22*x^3+12*x^2+6*x+1)/(x^2+x+1)^3/(x-1)^4$  ogf]  
A213041 11.1087 [  $-(6*x^3+6*x^2+10*x+2)/(3*x^4-2*x^2-1)$  lgdogf]  
A213041 13.4473 [  $-(3*x^2+1)/(x+1)/(x-1)^3$  ogf]  
A213042 11.5516 [  $-(-10*x^3-10*x^2-4*x)/(-x^4-x^3+x+1)$  lgdogf]  
A213042 32.2028 [[2\*x^2+2\*x] ogf\_with\_Euler\_transform]  
A213042 9.40244 [  $1/(x+1)^2/(x^2+x+1)^2/(x-1)^4$  ogf]  
A213043 10.6783 [  $-(5*x^3+3*x^2-6*x)/(x^4+x^3-2*x^2-x+1)$  lgdogf]  
A213043 15.3123 [  $1/(x-1)/(x^2+x-1)/(x+1)^2$  ogf]  
A213044 7.56036 [  $-(-8*x^4-7*x^3+6*x^2+2*x+1)/(-x^5-x^4+x^3+x^2+x-1)$  lgdogf]  
A213044 8.96043 [  $-1/(x^2+x-1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A213045 9.10835 [  $2*x*(x^2+x+2)/(x+1)/(x-1)^4$  ogf]  
A213045 9.10835 [  $-(-3*x^3-7*x^2-15*x-7)/(-x^4-x^3-x^2+x+2)$  lgdogf]  
A213046 13.0230 [  $(x-2)/(x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A213046 8.18971 [  $-(4*x^4-6*x^3-12*x^2+7*x+3)/(x^5-x^4-4*x^3+3*x^2+3*x-2)$  lgdogf]  
A213071 7.73832 [  $-(133*x^3+7585*x^2+18775*x+4611)/$



(133\*x^4+3460\*x^3+270\*x^2-3676\*x-187) lgdogf]  
 A213071 9.04253 [ 3\*(133\*x^3+3593\*x^2+3863\*x+187)/(x-1)^4 ogf]  
 A213082 7.46319 [ (5\*x^8+6\*x^7+6\*x^6+6\*x^5+6\*x^4+7\*x^3+6\*x^2+x+1)/  
 (x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
 A213119 7.64754 [1/8\*(8\*x^2-16\*x-3+3\*(16\*x+1)^(1/2))/(4\*x^2-4\*x+1) revogf]  
 A213163 11.5101 [-(5\*x^2-13\*x+7)/(x^3-4\*x^2+4\*x-1) lgdogf]  
 A213163 13.6028 [ -1/(x-1)/(x^2-3\*x+1)^2 ogf]  
 A213163 3.72217 [ {(-n-4)\*a(n+4)+(19+4\*n)\*a(n+3)+(-21-4\*n)\*a(n+2)+(6+n)\*a(n+1),  
 a(0) = 1, a(1) = 7, a(2) = 32, a(3) = 122}, ogf]  
 A213164 13.5560 [ -1/(3\*x-1)^2/(x-1)^3 ogf]  
 A213164 15.4926 [-(15\*x-9)/(3\*x^2-4\*x+1) lgdogf]  
 A213164 4.96168 [ {(-n-3)\*a(n+3)+(17+4\*n)\*a(n+2)+(-18-3\*n)\*a(n+1), a(0) = 1, a(1)  
 = 9, a(2) = 51}, ogf]  
 A213165 3.56322 [ -1/(x-1)/(x^3-6\*x^2+5\*x-1)^2 ogf]  
 A213167 8.60328 [ -(-x^2+2\*x+5)/(-x^3+3\*x^2-x-1) lgdegf]  
 A213167 9.02639 [ (x^2-2\*x-1)/(x-1)^3 egf]  
 A213170 23.1733 [-2\*exp(x) lgdegf]  
 A213170 64.2672 -2\*exp(x) lgdegf  
 A213173 12.1770 [ -(-4\*x^2-8\*x-1)/(-4\*x^3-4\*x^2+x+1) lgdogf]  
 A213173 12.1770 [ {-a(n+2)+4\*a(n), a(0) = 1, a(1) = 1}, ogf]  
 A213173 19.0080 [ -(x+1)/(2\*x-1)/(2\*x+1) ogf]  
 A213182 10.2742 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 10100, a(1) = 10101}, ogf]  
 A213182 13.5982 [ -(-10099\*x+10101)/(-10099\*x^2+20199\*x-10100) lgdogf]  
 A213182 17.4468 [ -(10099\*x-10100)/(x-1)^2 ogf]  
 A213184 10.2742 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 10100, a(1) = 10101}, ogf]  
 A213184 13.5982 [ -(-10099\*x+10101)/(-10099\*x^2+20199\*x-10100) lgdogf]  
 A213184 17.4468 [ -(10099\*x-10100)/(x-1)^2 ogf]  
 A213190 5.94632 [ {3\*a(n+1)+(n+3)\*a(n+2)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 5},  
 ogf]  
 A213222 13.3304 [ -(2\*x^3-2\*x^2-4\*x-4)/(-x^5+3\*x^4-6\*x^2+x+3) lgdogf]  
 A213222 15.4555 [ (x^3-3\*x^2+x+3)/(x+1)/(x-1)^2 ogf]  
 A213222 8.07902 [ {a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 3, a(1) = 4, a(2) = 4,  
 a(3) = 6}, ogf]  
 A213223 4.70297 [ {a(n+3)-12\*a(n+2)+21\*a(n+1)-10\*a(n), a(0) = 1, a(1) = 20, a(2)  
 = 120}, ogf]  
 A213223 5.90373 [ -(-990\*x^3-830\*x^2+220\*x-20)/(-990\*x^4+1169\*x^3-177\*x^2-3\*x+1)  
 lgdogf]  
 A213223 8.53771 [ (99\*x^2-8\*x-1)/(10\*x-1)/(x-1)^2 ogf]  
 A213243 15.5915 [ (2\*x^2+x+1)/(x-1)/(2\*x+1)/(2\*x-1)/(x+1) ogf]  
 A213243 7.66132 [ -(16\*x^5+12\*x^4+16\*x^3-5\*x^2-14\*x-1)/  
 (8\*x^6+4\*x^5-6\*x^4-5\*x^3-3\*x^2+x+1) lgdogf]  
 A213244 5.42219 [ (8\*x^6+12\*x^5+14\*x^4+3\*x^3+7\*x^2+3\*x+1)/(x-1)/(2\*x+1)/(2\*x-1)/  
 (x+1)/(4\*x^2+1)/(x^2+1) ogf]  
 A213245 12.1742 [ (4\*x^4+6\*x^3+x^2+3\*x+1)/(x-1)/(2\*x-1)/(x^2+x+1)/(4\*x^2+2\*x+1)  
 ogf]  
 A213260 15.0360 [ -(x^4+6\*x^3+6\*x^2+6\*x+6)/(x^5-1) ogf\_with\_Euler\_transform]  
 A213269 11.0794 [ -6\*x/(x-1)^5 egf]  
 A213269 24.9288 [ 5/(-x+1) lgdegf]  
 A213269 6.23219 [ {(-n^2-7\*n-10)\*a(n+1)+(n+1)\*a(n+2), a(0) = 0, a(1) = 6}, ogf]  
 A213283 4.13478 [ {(93\*n^2-1029\*n-2430)\*a(n+1)+(184\*n^2+3005\*n-194)\*a(n  
 +2)+(-277\*n^2-496\*n+116)\*a(n+3), a(0) = 0, a(1) = 1, a(2) = 9}, ogf]  
 A213283 8.67405 [ -x\*(18\*x^3+x^2+4\*x+1)/(x-1)^5 ogf]  
 A213283 9.38839 [ -(-36\*x^3-57\*x^2-18\*x-9)/(-18\*x^4+17\*x^3-3\*x^2+3\*x+1) lgdogf]  
 A213284 7.05659 [ x\*(84\*x^4+22\*x^3+5\*x^2+8\*x+1)/(x-1)^6 ogf]  
 A213284 7.32288 [ -(168\*x^4+402\*x^3+86\*x^2+50\*x+14)/  
 (84\*x^5-62\*x^4-17\*x^3+3\*x^2-7\*x-1) lgdogf]  
 A213285 6.10779 [ -x\*(507\*x^5+106\*x^4+89\*x^3-3\*x^2+20\*x+1)/(x-1)^7 ogf]  
 A213286 4.90029 [ x\*(3570\*x^6+693\*x^5+610\*x^4+101\*x^3+27\*x^2+38\*x+1)/(x-1)^8  
 ogf]  
 A213287 4.33274 [ -x\*(28498\*x^7+5880\*x^6+4234\*x^5+1273\*x^4+266\*x^3+86\*x^2+82\*x  
 +1)/(x-1)^9 ogf]

A213288 3.55771 [  $x*(256561*x^8+52034*x^7+41203*x^6+6496*x^5+6224*x^4-290*x^3+499*x^2+152*x+1)/(x-1)^{10}$  ogf ]  
A213299 3.82858 [  $-(2*x^7-2*x^6+5*x^5-2*x^4+2*x^3+2*x^2+x+2)/(10*x^4-1)/(x^4+1)/(x-1)^2$  ogf ]  
A213380 39.0566 [13/(-x+1) lgdogf]  
A213380 7.26051 [  $-132*x^{12}/(x-1)^{13}$  ogf ]  
A213384 16.8105 [  $-(-3*x-6)/(x^2-1)$  ogf\_with\_Euler\_transform ]  
A213387 11.0471 [  $-x*(x+2)/(2*x-1)/(x-1)^2$  ogf ]  
A213387 5.67284 [ {a(n+3)-4\*a(n+2)+5\*a(n+1)-2\*a(n), a(0) = 0, a(1) = 2, a(2) = 9}, ogf ]  
A213387 9.68746 [  $-(4*x^2+11*x-9)/(2*x^3+x^2-5*x+2)$  lgdogf ]  
A213388 8.32023 [  $-(2*x^4-12*x^3-24*x^2-24*x-6)/(x^5-5*x^4-4*x^3+4*x^2+3*x+1)$  lgdogf ]  
A213388 9.69062 [  $-(x^3-5*x^2-3*x-1)/(x+1)/(x-1)^4$  ogf ]  
A213389 7.88251 [  $-(2*x^5+2*x^4+20*x^3+8*x^2+14*x+2)/(x^6+3*x^4-3*x^2-1)$  lgdogf ]  
A213389 8.32535 [  $x*(x^4+4*x^2+1)/(x+1)^2/(x-1)^4$  ogf ]  
A213390 6.59441 [  $-(x^5-x^4-2*x^3-10*x^2-5*x-1)/(x+1)^2/(x-1)^4$  ogf ]  
A213391 7.21972 [  $x*(x^6+4*x^3+1)/(x^2+x+1)^2/(x-1)^4$  ogf ]  
A213392 5.09824 [  $-(x^7-x^6-6*x^5-8*x^4-16*x^3-12*x^2-5*x-1)/(x^2+x+1)^2/(x-1)^4$  ogf ]  
A213393 21.8255 [  $-x^3+2*x^2-x+4$  ogf\_with\_Euler\_transform ]  
A213393 5.84988 [  $6*x*(x^2+1)*(x+1)^2/(x^2+x+1)^2/(x-1)^4$  ogf ]  
A213395 7.30075 [  $-(x^5+6*x^4+10*x^3+9*x^2+4*x+1)/(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf ]  
A213396 22.5065 [  $-x^3+x^2+x+3$  ogf\_with\_Euler\_transform ]  
A213396 8.89921 [  $-(-4*x^4-3*x^3-9*x^2-5*x-3)/(-x^5-x^3+x^2+1)$  lgdogf ]  
A213396 9.22881 [  $3*(x^2+1)*x/(x^2+x+1)/(x-1)^4$  ogf ]  
A213397 8.70632 [  $(x^4+2*x^3+6*x^2+2*x+1)/(x^2+x+1)/(x-1)^4$  ogf ]  
A213398 11.2770 [  $(x^3-2*x^2-2*x-1)/(x+1)/(x-1)^3$  ogf ]  
A213398 8.02176 [  $-(x^4-2*x^3-7*x^2-12*x-4)/(x^5-2*x^4-3*x^3+x^2+2*x+1)$  lgdogf ]  
A213399 8.31597 [  $-(x^4+3*x^3+8*x^2+3*x+1)/(x+1)^2/(x-1)^3$  ogf ]  
A213400 5.09270 [  $-x^3*(x^6+x^5-4*x^4-13*x^3-15*x^2-6*x-2)/(x+1)^2/(x^2+x+1)^2/(x-1)^4$  ogf ]  
A213411 5.13124 [  $-(x-1)*(x+1)*(x^9+x^8+x^6+x^4+x^3+x-1)/(x^{12}-x^{11}-2*x^{10}+x^9-2*x^5+x^4-x^3+x^2+2*x-1)$  ogf ]  
A213413 5.29246 [ {a(n+3)-18\*a(n+2)+107\*a(n+1)-210\*a(n), a(0) = 4, a(1) = 32, a(2) = 253}, ogf ]  
A213413 9.20428 [  $-(105*x^2-40*x+4)/(6*x-1)/(7*x-1)/(5*x-1)$  ogf ]  
A213414 3.29014 [  $-2*(83160*x^5-55404*x^4+14899*x^3-2021*x^2+140*x-4)/(9*x-1)/(6*x-1)/(7*x-1)/(10*x-1)/(11*x-1)/(8*x-1)$  ogf ]  
A213419 12.6552 [  $-(x^{26}-x^{24}+1)/(-x^2+1)$  ogf\_with\_Euler\_transform ]  
A213421 12.5256 [  $-(2*x-1)/(7*x^2-4*x+1)$  ogf ]  
A213421 6.87379 [ {-a(n+2)+4\*a(n+1)-7\*a(n), a(0) = 1, a(1) = 2}, ogf ]  
A213421 8.28899 [  $-(14*x^2-14*x+2)/(14*x^3-15*x^2+6*x-1)$  lgdogf ]  
A213432 16.3223 [  $-2*x^4/(2*x-1)^5$  ogf ]  
A213432 37.1472 [10/(-2\*x+1) lgdogf]  
A213432 7.92110 [ {-2+n}\*a(n+2)+(-4-2\*n)\*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 2}, ogf ]  
A213436 10.1810 [  $-(27*x^2+66*x+17)/(9*x^3+3*x^2-11*x-1)$  lgdogf ]  
A213436 8.65386 [  $-(9*x^2+12*x+1)/(x-1)^5$  ogf ]  
A213455 12.0494 [  $-(108*x^2-98*x+14)/(36*x^3-49*x^2+14*x-1)$  lgdogf ]  
A213455 19.0113 [  $-90/(x-1)/(4*x-1)/(9*x-1)$  ogf ]  
A213455 6.95537 [ {a(n+3)-14\*a(n+2)+49\*a(n+1)-36\*a(n), a(0) = 90, a(1) = 1260, a(2) = 13230}, ogf ]  
A213472 5.47720 [  $-(x^{12}+3*x^{11}-4*x^{10}+10*x^9-5*x^8+5*x^6-5*x^4+10*x^3-4*x^2+3*x+1)*(x^2+x+1)/(x-1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^8-x^6+x^4-x^2+1)$  ogf ]  
A213479 8.95978 [  $(x^4-x^3-5*x^2-3*x-1)/(x+1)^2/(x-1)^3$  ogf ]  
A213480 6.84325 [  $-x*(x^4-3*x^3-10*x^2-8*x-4)/(x+1)^2/(x-1)^4$  ogf ]  
A213481 7.18345 [  $(x^4+6*x^3+10*x^2+5*x+1)/(x+1)^2/(x-1)^4$  ogf ]  
A213482 6.80869 [  $-x*(x^4-3*x^3-10*x^2-8*x-3)/(x+1)^2/(x-1)^4$  ogf ]  
A213483 6.91485 [  $(x^5-2*x^4-4*x^3+2*x^2+3*x+1)/(x+1)^2/(x-1)^4$  ogf ]

A213484 8.28581 [  $-(x^4+x^3-x^2+x+1)/(x^2+1)/(x-1)^3$  ogf]  
A213485 6.94331 [  $x*(x^4+x^3+2*x^2+4*x+4)/(x^2+1)/(x-1)^4$  ogf]  
A213486 10.7797 [  $3*x/(x^2+1)/(x-1)^4$  ogf]  
A213486 11.6218 [  $-(-6*x^2+2*x-4)/(-x^3+x^2-x+1)$  lgdogf]  
A213486 25.4828 [[ $x^3-x+4$ ] ogf\_with\_Euler\_transform]  
A213486 3.77561 [  $\{(-3-n)*a(n+4)+(6+n)*a(n+3)+(-3-n)*a(n+2)+(6+n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 12, a(3) = 27\}$ , ogf]  
A213487 7.34124 [  $(x^4+4*x^3+2*x^2+x+1)/(x^2+1)/(x-1)^4$  ogf]  
A213488 6.99130 [  $x*(x^4+x^3+2*x^2+4*x+1)/(x^2+1)/(x-1)^4$  ogf]  
A213489 7.47534 [  $-(x^5-2*x^3+2*x^2-3*x-1)/(x^2+1)/(x-1)^4$  ogf]  
A213490 6.26463 [  $2*x^5*(17*x^4+15*x^3+21*x^2+13*x+6)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A213491 4.83007 [  $-(34*x^8+63*x^7+98*x^6+106*x^5+89*x^4+55*x^3+26*x^2+8*x+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A213492 7.32712 [  $2*x*(2*x^4+3*x^3+6*x^2+5*x+2)/(x+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A213493 6.87591 [  $12*x^6*(5*x^3+3*x^2+3*x+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A213494 7.36393 [  $x^6*(5*x^3+3*x^2+3*x+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A213495 8.40841 [  $-(x^2+1)*(3*x^2+3*x+1)/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A213496 6.80869 [  $x*(x^4+3*x^3+11*x^2+5*x+4)/(x+1)^2/(x-1)^4$  ogf]  
A213497 7.29695 [  $-(2*x^5+6*x^4+8*x^3+8*x^2+4*x+1)/(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A213498 6.87353 [  $x*(x^4+3*x^3+9*x^2+7*x+4)/(x+1)^2/(x-1)^4$  ogf]  
A213499 5.45402 [  $x*(3*x^5+11*x^4+19*x^3+22*x^2+13*x+4)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A213501 6.07020 [  $x*(2*x^5+12*x^4+21*x^3+21*x^2+12*x+4)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A213502 7.97126 [  $-(2*x^4-9*x^3-29*x^2-43*x-17)/(x^5-4*x^4-6*x^3+5*x+4)$  lgdogf]  
A213502 8.15039 [  $-x*(x^3-4*x^2-5*x-4)/(x+1)/(x-1)^4$  ogf]  
A213504 5.43879 [  $(2*x^5-7*x^4+10*x^3-9*x^2-1)/(x^2-3*x+1)/(x^2+x-1)^3$  ogf]  
A213506 24.5390 [  $x^3+2*x^2+x+1$  ogf\_with\_Euler\_transform]  
A213506 7.46687 [  $-1/(x^2+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^5$  ogf]  
A213507 16.5446 [  $4/(1+(1-4*x)^{1/2})^2$  lgdegf]  
A213507 34.0943 [  $4/(1+(1-4*x)^{1/2})^2$  lgdegf]  
A213507 4.46602 [  $\{(-4*n^3-26*n^2-56*n-40)*a(n+1)+(n^2+11*n+19)*a(n+2)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A213527 14.4615 [  $-(-x-1)/(-x^2-x+1)$  lgdegf]  
A213527 37.8874 [  $-(-x-1)/(-x^2-x+1)$  lgdegf]  
A213527 4.88839 [  $\{(n^2+4*n+4)*a(n+1)+(n+3)*a(n+2)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A213528 14.9786 [  $-(-x-2)/(-x^2-2*x+1)$  lgdegf]  
A213528 35.3496 [  $-(-x-2)/(-x^2-2*x+1)$  lgdegf]  
A213528 5.06320 [  $\{(n^2+4*n+4)*a(n+1)+(2*n+6)*a(n+2)-a(n+3), a(0) = 1, a(1) = 2, a(2) = 9\}$ , ogf]  
A213546 6.70024 [  $(9*x^3+35*x^2+19*x+1)/(x-1)^6$  ogf]  
A213546 7.37780 [  $-(27*x^3+167*x^2+165*x+25)/(9*x^4+26*x^3-16*x^2-18*x-1)$  lgdogf]  
A213547 3.74132 [  $\{(n^2+8*n+15)*a(n+1)+(-2*n^2-16*n-60)*a(n+2)+(n^2+8*n+15)*a(n+3), a(0) = 1, a(1) = 12, a(2) = 68\}$ , ogf]  
A213547 6.41370 [  $-(x+1)*(x^2+4*x+1)/(x-1)^7$  ogf]  
A213547 8.97917 [  $-(4*x^3+28*x^2+40*x+12)/(x^4+4*x^3-4*x-1)$  lgdogf]  
A213549 10.6325 [  $-(9*x^2+34*x+12)/(3*x^3+4*x^2-6*x-1)$  lgdogf]  
A213549 8.88286 [  $-(3*x^2+7*x+1)/(x-1)^5$  ogf]  
A213552 10.0970 [  $-(24*x^2+57*x+15)/(6*x^3+3*x^2-8*x-1)$  lgdogf]  
A213552 7.68745 [  $(6*x^2+9*x+1)/(x-1)^6$  ogf]  
A213554 6.66440 [  $(27*x^3+91*x^2+37*x+1)/(x-1)^6$  ogf]  
A213554 7.33084 [  $-(81*x^3+445*x^2+367*x+43)/(27*x^4+64*x^3-54*x^2-36*x-1)$  lgdogf]  
A213556 3.45353 [  $\{(-377*n^2-2985*n-5908)*a(n+1)+(370*n^2+1052*n+1042)*a(n+2)+(7*n^2+13*n-24)*a(n+3), a(0) = 1, a(1) = 19, a(2) = 118\}$ , ogf]  
A213556 6.87182 [  $(3*x^3+19*x^2+13*x+1)/(x-1)^6$  ogf]  
A213556 7.83067 [  $-(9*x^3+85*x^2+103*x+19)/(3*x^4+16*x^3-6*x^2-12*x-1)$  lgdogf]

A213557 6.73505 [  $-(x^2+1)*(x+1)/(x^2+x-1)^2/(x-1)^3$  ogf]  
A213559 4.54987 [  $(27*x^5+421*x^4+1106*x^3+666*x^2+83*x+1)/(x-1)^8$  ogf]  
A213560 4.26224 [  $-(x+1)*(x^2+10*x+1)*(x^2+4*x+1)/(x-1)^9$  ogf]  
A213562 6.83710 [  $(3*x^3+16*x^2+12*x+1)/(x-1)^6$  ogf]  
A213562 7.88278 [  $-(9*x^3+73*x^2+92*x+18)/(3*x^4+13*x^3-4*x^2-11*x-1)$  lgdogf]  
A213563 10.2507 [  $(-10*x^2-22*x-10)/(-2*x^3-x^2+2*x+1)$  lgdogf]  
A213563 7.08039 [  $-(x+1)*(2*x+1)/(x-1)^7$  ogf]  
A213565 7.44484 [  $(16*x^2+15*x+1)/(x-1)^6$  ogf]  
A213565 9.57194 [  $-(64*x^2+107*x+21)/(16*x^3-x^2-14*x-1)$  lgdogf]  
A213567 4.71859 [  $(9*x^6+9*x^5+9*x^4-20*x^3-7*x^2+7*x+1)/(x-1)^3/(x^2+x-1)^3$  ogf]  
A213569 7.94911 [  $-(16*x^3-6*x^2-13*x+7)/(8*x^4-14*x^3+5*x^2+2*x-1)$  lgdogf]  
A213569 9.29262 [  $-(4*x^2-x-1)/(x-1)^2/(2*x-1)^2$  ogf]  
A213570 7.84276 [  $-(x^2+4*x+1)/(x^2+x-1)/(x-1)^4$  ogf]  
A213572 5.79195 [  $(14*x^3-14*x^2+2*x+1)/(4*x-1)/(2*x-1)^2/(x-1)^3$  ogf]  
A213574 7.06550 [  $(16*x^4+10*x^3-27*x^2+8*x+1)/(x-1)^3/(2*x-1)^3$  ogf]  
A213575 7.75728 [  $-(6*x^3+32*x^2-4*x-10)/(2*x^4+5*x^3-9*x^2+x+1)$  lgdogf]  
A213575 8.05186 [  $-(x^2+4*x+1)/(2*x-1)/(x-1)^4$  ogf]  
A213577 6.83151 [  $-(2*x^3-3*x^2+x-1)/(x^2-3*x+1)/(x^2+x-1)^2$  ogf]  
A213578 8.45620 [  $(-4*x^4-6*x^2+2*x+4)/(-x^5+x^3-x^2+2*x-1)$  lgdogf]  
A213578 9.26707 [  $(x^2+1)/(x-1)^2/(x^2+x-1)^2$  ogf]  
A213580 8.15468 [  $-(3*x^3+x^2-x-1)/(x-1)^2/(x^2+x-1)^2$  ogf]  
A213581 7.63859 [  $-(2*x^2-1)/(2*x-1)^2/(x-1)^4$  ogf]  
A213581 8.77405 [  $-(16*x^3-4*x^2-16*x+8)/(4*x^4-6*x^3+3*x-1)$  lgdogf]  
A213583 9.05669 [  $(-36*x^3+22*x^2+14*x-9)/(-12*x^4+22*x^3-10*x^2-x+1)$  lgdogf]  
A213583 9.73594 [  $(6*x^2-2*x-1)/(2*x-1)^2/(x-1)^3$  ogf]  
A213585 7.27415 [  $-(2*x^4+4*x^3+2*x^2-3*x-1)/(x-1)^2/(x^2+x-1)^2$  ogf]  
A213586 8.66435 [  $(-3*x^3+7*x^2+2*x-6)/(x^4+x^3-2*x^2-x+1)$  lgdogf]  
A213586 9.00192 [  $(x+1)^2/(x^2+x-1)/(x-1)^3$  ogf]  
A213588 7.30875 [  $(x^3-3*x^2+2*x+1)/(x+1)/(x^2-3*x+1)^2$  ogf]  
A213589 8.29561 [  $(-8*x^3+17*x^2+16*x+6)/(2*x^4+5*x^3+2*x^2-2*x-1)$  lgdogf]  
A213589 9.85855 [  $-(x+1)*(2*x+1)/(x^2+x-1)^3$  ogf]  
A213592 5.92214 [  $(-3*x^7-2*x^6-2*x^5-3*x^3-3*x^2-4*x-1)/(x^8+x^7+2*x^6+x^5+2*x^4+x^3+2*x^2+x+1)$  ogf\_with\_Euler\_transform]  
A213598 43.1807 [  $1/(-x+1)$  ogf\_with\_Euler\_transform]  
A213604 8.21012 [  $(6*x^7+7*x^6+4*x^5+6*x^4+4*x^3+7*x^2+6*x+1)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf]  
A213607 7.60759 [  $(-3*x^5-2*x^4-x^3-2*x-1)/(x^6+x^5+x^4+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A213617 13.1806 [  $(-3*x^2+4*x+2)/(-x^3-2*x^2-2*x-1)$  ogf\_with\_Euler\_transform]  
A213622 6.98447 [  $(-3*x^6+2*x^4-x^3+4*x^2+x+3)/(-x^7-x^6-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A213624 12.2345 [  $(-3*x^4-x^3-2)/(x^5+x^4+x+1)$  ogf\_with\_Euler\_transform]  
A213625 6.53475 [  $(-3*x^6+x^5+x^4-x^3+4*x^2+2*x+2)/(-x^7-x^6-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A213627 16.7586 [  $(-3*x^2-4*x+4)/(-x^3-1)$  ogf\_with\_Euler\_transform]  
A213640 10.6256 [  $x+\ln(x-1)+\ln(x+1)-I*\text{Pi}$  revegf]  
A213655 10.5815 [  $-(5*x^2+10*x+13)/(x^3+x^2+x-1)$  ogf]  
A213655 5.79683 [  $\{a(n+3)-a(n+2)-a(n+1)-a(n), a(0) = 13, a(1) = 23, a(2) = 41\}$ , ogf]  
A213659 13.7831 [  $-(36*x-11)/(4*x-1)/(3*x-1)$  ogf]  
A213659 7.78339 [  $\{a(n+2)-7*a(n+1)+12*a(n), a(0) = 11, a(1) = 41\}$ , ogf]  
A213659 8.70511 [  $(-432*x^2+264*x-41)/(-432*x^3+384*x^2-113*x+11)$  lgdogf]  
A213661 9.80839 [  $(x^3+2*x^2-9*x+4)/(2*x-1)/(x^3+x^2+x-1)$  ogf]  
A213663 10.6258 [  $(-6*x^3+7*x^2+8*x-7)/(2*x-1)/(x^3+x^2+x-1)$  ogf]  
A213665 11.2831 [  $-(7*x^2+10*x+13)/(x^3+x^2+x-1)$  ogf]  
A213665 6.18118 [  $\{a(n+3)-a(n+2)-a(n+1)-a(n), a(0) = 13, a(1) = 23, a(2) = 43\}$ , ogf]  
A213667 11.2388 [  $-(x^3+x^2-3*x-1)/(x-1)/(x^2+2*x-1)$  ogf]  
A213667 5.78712 [  $\{-a(n+4)+3*a(n+3)-a(n+2)-a(n+1), a(0) = 1, a(1) = 6, a(2) = 16, a(3) = 40\}$ , ogf]

A213667 9.23183 [  $-(6x^2+4x-6)/(-x^6-2x^5+5x^4+6x^3-9x^2+1)$  lgdogf ]  
A213688 8.00036 [  $x(x^2+4x-1)/(x-1)/(x^2+14x-1)/(x^2-2x-1)$  ogf ]  
A213698 3.35784 [ -  
 $(4x^8+59x^7+425x^6+1111x^5+1803x^4+1461x^3+731x^2+153x+13)/(x+1)^4/(x-1)^7$  ogf ]  
A213720 4.93659 [  $\{(n+5)a(n+1)+(-n-5)a(n+2)+a(n+4)-2a(n+3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$ , ogf ]  
A213748 6.92265 [  $(14x^2-4x-1)/(2x-1)/(4x-1)^2/(x-1)^2$  ogf ]  
A213749 10.0416 [  $-(16x^3-6x^2-16x+9)/(4x^4-6x^3+3x-1)$  lgdogf ]  
A213749 4.15129 [  $\{(-2n^2-20n-50)a(n+1)+(3n^2+24n+45)a(n+2)+(-n^2-6n-9)a(n+3), a(0) = 1, a(1) = 9, a(2) = 46\}$ , ogf ]  
A213749 8.74213 [  $-(2x^2-1)/(x-1)^3/(2x-1)^3$  ogf ]  
A213754 5.51375 [  $(12x^4+6x^3-18x^2+5x+1)/(4x-1)/(2x-1)^2/(x-1)^3$  ogf ]  
A213755 6.41543 [  $-(x+1)(2x^2-1)/(2x-1)^2/(x-1)^4$  ogf ]  
A213757 7.53876 [  $(-84x^3+70x^2+10x-14)/(-28x^4+56x^3-33x^2+4x+1)$  lgdogf ]  
A213757 8.09719 [  $(14x^2-7x-1)/(2x-1)^2/(x-1)^3$  ogf ]  
A213758 10.8706 [  $-(24x^2+x-9)/(6x^3-7x^2+1)$  lgdogf ]  
A213758 3.58437 [  $\{(n+4)a(n+4)-9a(n+3)+(-13-7n)a(n+2)+(30+6n)a(n+1), a(0) = 1, a(1) = 9, a(2) = 40, a(3) = 130\}$ , ogf ]  
A213758 9.33955 [  $-(3x+1)/(2x-1)/(x-1)^4$  ogf ]  
A213759 8.80564 [  $-(x^3-x^2-x-1)/(x+1)/(x-1)^4$  ogf ]  
A213759 9.24048 [  $-(2x^4-4x^2-10x-4)/(x^5-x^4-2x^3+x+1)$  lgdogf ]  
A213760 6.76859 [  $(2x^2+x+1)(x^2-x-1)/(x+1)^3/(x-1)^5$  ogf ]  
A213763 7.31146 [  $(-40x^3+30x^2+13x-11)/(-20x^4+40x^3-23x^2+2x+1)$  lgdogf ]  
A213763 8.83468 [  $-(10x^2-5x-1)/(x-1)^2/(2x-1)^2$  ogf ]  
A213764 10.4882 [  $(3x+1)/(2x-1)/(x-1)^3$  ogf ]  
A213764 10.4882 [  $-(18x^2+2x-8)/(6x^3-7x^2+1)$  lgdogf ]  
A213764 3.47708 [  $\{(n+4)a(n+4)-8a(n+3)+(-12-7n)a(n+2)+(24+6n)a(n+1), a(0) = 1, a(1) = 8, a(2) = 31, a(3) = 90\}$ , ogf ]  
A213766 6.68414 [  $(x^4-4x^3+5x^2+1)/(x^2-3x+1)/(x^2+x-1)^2$  ogf ]  
A213767 7.76274 [  $(x^2+1)(x+1)/(x-1)^2/(x^2+x-1)^2$  ogf ]  
A213769 7.99918 [  $-(7x^3+2x^2-4x-1)/(x-1)^2/(x^2+x-1)^2$  ogf ]  
A213770 10.0959 [  $(3x+1)/(x^2+x-1)/(x-1)^3$  ogf ]  
A213770 8.49529 [  $(-12x^3-11x^2+4x+7)/(-3x^4-x^3+6x^2-x-1)$  lgdogf ]  
A213772 9.09699 [  $(4x^2+7x+1)/(x-1)^4$  ogf ]  
A213772 9.51048 [  $(-8x^2+29x+11)/(4x^3+3x^2-6x-1)$  lgdogf ]  
A213775 7.09498 [  $(-5x^4+9x^3+2x^2-7x-1)/(x-1)^2/(x^2+x-1)^2$  ogf ]  
A213776 8.78566 [  $(x+1)(3x+1)/(x^2+x-1)/(x-1)^3$  ogf ]  
A213779 8.25641 [  $(-3x^4-10x^3-27x^2-18x-6)/(-x^5-2x^4-3x^3+x^2+4x+1)$  lgdogf ]  
A213779 8.78909 [  $(x^3+2x^2+4x+1)/(x+1)^2/(x-1)^4$  ogf ]  
A213780 11.2127 [  $(-18x^2-16x-6)/(-3x^3-x^2+3x+1)$  lgdogf ]  
A213780 3.70020 [  $\{(-n-4)a(n+4)+(-3-3n)a(n+3)+(18+n)a(n+2)+(21+3n)a(n+1), a(0) = 1, a(1) = 6, a(2) = 17, a(3) = 40\}$ , ogf ]  
A213780 8.70634 [  $-(3x+1)/(x+1)^2/(x-1)^5$  ogf ]  
A213782 7.78258 [  $(-4x^5+4x^4-8x^3-33x^2-24x-7)/(2x^6-6x^4-5x^3+3x^2+5x+1)$  lgdogf ]  
A213782 8.87046 [  $-(2x^4-4x^2-5x-1)/(x+1)^2/(x-1)^4$  ogf ]  
A213785 9.24894 [  $-x^2(x-2)/(x-1)/(x^2-6x+1)/(x^2+2x-1)$  ogf ]  
A213787 6.63700 [  $x^3(x^4+2x^3-4x^2-5x-2)/(x+1)/(x^2-3x+1)/(x^2+x-1)/(x^2+4x-1)/(x^2-x-1)$  ogf ]  
A213788 5.47372 [  $x^3(x^4+2x^3-23x^2+4x+10)/(x-1)/(x^2-6x+1)/(x^2+2x-1)/(x^2+14x-1)/(x^2-2x-1)$  ogf ]  
A213791 14.0658 [  $(-6x^3-6x^2-6)/(x^4-1)$  ogf\_with\_Euler\_transform ]  
A213801 6.94375 [  $-(x^7-2x^6-x^5-7x^3-3x^2-5x-4)/(x^2+1)/(x+1)^2/(x-1)^4$  ogf ]  
A213802 3.70319 [  $-(x^9-4x^8+4x^7+22x^6+86x^5+266x^4+380x^3+258x^2+97x+18)/(x+1)^3/(x-1)^7$  ogf ]  
A213807 4.46742 [  $-x^2(x^6-19x^5+4x^4+53x^3+7x^2-8x-6)/(x-1)/(x+1)/(x^2-3x+1)/(x^2+x-1)/(x^2+4x-1)/(x^2-x-1)$  ogf ]  
A213809 13.2086 [  $-(2x^14-2x^12+2x^11+x^10-2x^9-2x^4-1)/(x+1)/$

$(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A213810 11.4690 [  $-(15047x^2-29600x+14561)/(x-1)^3$  ogf]  
A213810 6.75192 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 14561, a(1) = 14083, a(2) = 13613\}$ , ogf]  
A213810 9.10041 [  $(-(-15047x^2+29106x-14083)/(-15047x^3+44647x^2-44161x+14561))$  lgdogf]  
A213816 12.9834 [  $-(x^3+x+1)/(x^6+x^4+x^2-1)$  ogf]  
A213818 7.76940 [  $-(2x+1)(5x+1)/(x-1)^5$  ogf]  
A213818 9.14047 [  $-(30x^2+48x+12)/(10x^3-3x^2-6x-1)$  lgdogf]  
A213820 10.2378 [  $2(5x+1)/(x-1)^4$  ogf]  
A213820 12.9540 [  $(-(-15x-9)/(-5x^2+4x+1))$  lgdogf]  
A213820 4.14866 [  $\{(n+3)a(n+3)+(-1+4n)a(n+2)+(-20-5n)a(n+1), a(0) = 2, a(1) = 18, a(2) = 60\}$ , ogf]  
A213823 8.63403 [  $(7x^2+25x+4)/(x-1)^4$  ogf]  
A213823 8.75916 [  $(-(-14x^2+89x+41)/(7x^3+18x^2-21x-4))$  lgdogf]  
A213824 7.52515 [  $-2(x+2)(2x+1)/(x-1)^5$  ogf]  
A213824 9.12139 [  $(-(-6x^2-24x-15)/(-2x^3-3x^2+3x+2))$  lgdogf]  
A213826 8.58497 [  $2(4x^2+13x+1)/(x-1)^4$  ogf]  
A213826 8.96937 [  $(-(-8x^2+47x+17)/(4x^3+9x^2-12x-1))$  lgdogf]  
A213827 7.48264 [  $-(x+2)(5x+1)/(x-1)^5$  ogf]  
A213827 8.93449 [  $(-(-15x^2+54x+21)/(5x^3+6x^2-9x-2))$  lgdogf]  
A213829 8.46406 [  $2(7x^2+10x+1)/(x-1)^4$  ogf]  
A213829 8.96937 [  $(-(-14x^2+44x+14)/(7x^3+3x^2-9x-1))$  lgdogf]  
A213830 12.4711 [  $(-(-6x-9)/(-2x^2+x+1))$  lgdogf]  
A213830 3.93823 [  $\{(n+3)a(n+3)+(-7+n)a(n+2)+(-8-2n)a(n+1), a(0) = 2, a(1) = 18, a(2) = 78\}$ , ogf]  
A213830 7.57735 [  $-2(2x+1)^2/(x-1)^5$  ogf]  
A213832 8.66434 [  $(8x^2+15x+1)/(x-1)^4$  ogf]  
A213832 8.91918 [  $(-(-16x^2+61x+19)/(8x^3+7x^2-14x-1))$  lgdogf]  
A213834 7.73734 [  $-(2x+1)(3x+1)/(x-1)^5$  ogf]  
A213834 9.12313 [  $(-(-18x^2+32x+10)/(6x^3-x^2-4x-1))$  lgdogf]  
A213837 8.86796 [  $(6x^2+9x+1)/(x-1)^4$  ogf]  
A213837 9.13267 [  $(-(-12x^2+39x+13)/(6x^3+3x^2-8x-1))$  lgdogf]  
A213839 8.68876 [  $(x+1)(15x+1)/(x-1)^4$  ogf]  
A213839 8.94061 [  $(-(-30x^2+78x+20)/(15x^3+x^2-15x-1))$  lgdogf]  
A213840 10.2843 [  $-(-3x+1)^2/(x-1)^5$  ogf]  
A213840 16.5808 [  $(-(-9x-11)/(-3x^2+2x+1))$  lgdogf]  
A213840 5.31018 [  $\{(n+3)a(n+3)+(-7+2n)a(n+2)+(-12-3n)a(n+1), a(0) = 1, a(1) = 11, a(2) = 54\}$ , ogf]  
A213842 8.78638 [  $(11x^2+20x+1)/(x-1)^4$  ogf]  
A213842 9.04106 [  $(-(-22x^2+82x+24)/(11x^3+9x^2-19x-1))$  lgdogf]  
A213843 11.1436 [  $(-(-21x^2+46x+13)/(7x^3+x^2-7x-1))$  lgdogf]  
A213843 3.69616 [  $\{(n+4)a(n+4)+(8+7n)a(n+3)+(-48-n)a(n+2)+(-28-7n)a(n+1), a(0) = 1, a(1) = 13, a(2) = 62, a(3) = 190\}$ , ogf]  
A213843 9.45094 [  $-(x+1)(7x+1)/(x-1)^5$  ogf]  
A213845 8.96141 [  $(9x^2+20x+3)/(x-1)^4$  ogf]  
A213845 9.09129 [  $(-(-18x^2+78x+32)/(9x^3+11x^2-17x-3))$  lgdogf]  
A213846 7.53430 [  $-(x+1)(5x+3)/(x-1)^5$  ogf]  
A213846 8.88373 [  $(-(-15x^2-42x-23)/(-5x^3-3x^2+5x+3))$  lgdogf]  
A213848 8.96141 [  $(5x^2+24x+3)/(x-1)^4$  ogf]  
A213848 9.09129 [  $(-(-10x^2+82x+36)/(5x^3+19x^2-21x-3))$  lgdogf]  
A213850 6.98888 [  $-(2x^2+x+1)/(x+1)^3/(x-1)^5$  ogf]  
A213850 7.83092 [  $(-(-12x^3+11x^2+14x+3)/(2x^4+x^3-x^2-x-1))$  lgdogf]  
A213933 12.8662 [  $(2x^9-2x^4-3x^2-x-1)/(3x^3-1)$  ogf]  
A213963 5.18601 [  $-(x^9-10x^8+45x^7-120x^6+129x^5-1910x^4-5945x^3-6410x^2-1806x-138)/(x-1)^{10}$  ogf]  
A213967 13.6425 [  $x^*(x^3-x^2+1)/(x-1)/(x^3+x^2+x-1)$  ogf]  
A214066 9.74278 [  $x^*(5x^3+3x^2+4x+3)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A214067 9.59627 [  $x^*(8x^3+5x^2+7x+5)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A214068 9.96916 [  $x^*(3x^3+2x^2+3x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]

A214081 6.83581 [  $-(36*x^{37}-32*x^{27}-9*x^{26}-9*x^{18}-8*x^8-8)/(x-1)/(36*x^{37}-9*x^{18}-8)$  ogf]  
A214084 10.6482 [  $x*(12*x^{26}-12*x^{25}-2*x^2+2*x+1)/(x-1)^2$  ogf]  
A214085 6.22171 [  $-x*(22*x^4+161*x^3+153*x^2+23*x+1)/(x-1)^7$  ogf]  
A214085 6.89432 [  $-(66*x^4+732*x^3+1248*x^2+444*x+30)/(22*x^5+139*x^4-8*x^3-130*x^2-22*x-1)$  lgdogf]  
A214090 10.2372 [  $-x^2*(x^3+x^2+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A214091 11.6636 [  $-(-60*x^2+36*x-5)/(-60*x^3+68*x^2-25*x+3)$  lgdogf]  
A214091 17.4953 [  $(10*x-3)/(3*x-1)/(2*x-1)$  ogf]  
A214091 9.81445 [  $\{-a(n+2)+5*a(n+1)-6*a(n), a(0) = -3, a(1) = -5\}$ , ogf]  
A214092 8.46406 [  $(16*x^2+19*x+1)/(x-1)^4$  ogf]  
A214092 8.70939 [  $-(32*x^2+89*x+23)/(16*x^3+3*x^2-18*x-1)$  lgdogf]  
A214098 5.89981 [  $-(32*x^3-105*x^2+66*x-11)/(2*x-1)/(12*x^3-37*x^2+17*x-1)$  ogf]  
A214099 4.39948 [  $\{-a(n+3)+18*a(n+2)-36*a(n+1)+16*a(n), a(0) = 21, a(1) = 322, a(2) = 5068\}$ , ogf]  
A214099 7.94533 [  $-7*(2*x-1)*(2*x-3)/(16*x^3-36*x^2+18*x-1)$  ogf]  
A214102 4.93094 [  $-(2*x^2-1)*(8*x^3-8*x^2-23*x+9)/(x-1)/(2*x-1)/(x+1)/(2*x^2+4*x+1)/(2*x^2-5*x+1)$  ogf]  
A214107 4.34183 [  $\{-a(n+3)+35*a(n+2)-107*a(n+1)+73*a(n), a(0) = 4, a(1) = 111, a(2) = 3502\}$ , ogf]  
A214107 7.84122 [  $-(5*x-1)*(9*x-4)/(x-1)/(73*x^2-34*x+1)$  ogf]  
A214108 5.24783 [  $\{a(n+2)-68*a(n+1)+66*a(n), a(0) = 10, a(1) = 670\}$ , ogf]  
A214108 6.34112 [  $-(-66*x^2+132*x-67)/(-66*x^3+134*x^2-69*x+1)$  lgdogf]  
A214108 9.31757 [  $-10*(x-1)/(66*x^2-68*x+1)$  ogf]  
A214113 8.32147 [  $-(7*x+4)*(3*x-1)/(x-1)/(3*x+1)/(7*x-1)/(x+1)$  ogf]  
A214129 13.1020 [  $-(x^{11}+x^7+x^4+1)/(x^{13}-1)$  ogf\_with\_Euler\_transform]  
A214130 12.9555 [  $-(-x^{10}-x^9-x^2-x)/(-x^{13}+1)$  ogf\_with\_Euler\_transform]  
A214131 12.0611 [  $-(-x^8-x^6-x^5-x^3)/(-x^{13}+1)$  ogf\_with\_Euler\_transform]  
A214135 11.7835 [  $-(17*x-1)/(32*x-1)/(2*x-1)$  ogf]  
A214135 6.65421 [  $\{a(n+2)-34*a(n+1)+64*a(n), a(0) = 1, a(1) = 17\}$ , ogf]  
A214135 7.44221 [  $-(-1088*x^2+128*x-17)/(-1088*x^3+642*x^2-51*x+1)$  lgdogf]  
A214136 4.04306 [  $-(1880*x^4-4226*x^3+2161*x^2-259*x+4)/(x-1)/(4*x^2-7*x+1)/(780*x^2-121*x+1)$  ogf]  
A214137 3.83169 [  $\{-a(n+3)+373*a(n+2)-4754*a(n+1)+15312*a(n), a(0) = 11, a(1) = 3074, a(2) = 1101051\}$ , ogf]  
A214137 6.51886 [  $-(6743*x^2-1029*x+11)/(6*x-1)/(2552*x^2-367*x+1)$  ogf]  
A214142 9.37674 [  $-(5*x^2-5*x+1)/(x-1)/(4*x-1)/(2*x-1)/(x+1)$  ogf]  
A214143 4.36986 [  $-(260*x^4+118*x^3-113*x^2-23*x+4)/(x-1)/(3*x-1)/(2*x+1)/(13*x-1)/(4*x+1)/(x+1)$  ogf]  
A214160 3.99131 [  $\{-a(n+3)+84*a(n+2)-945*a(n+1)+1562*a(n), a(0) = 1, a(1) = 18, a(2) = 902\}$ , ogf]  
A214160 6.89926 [  $-(335*x^2-66*x+1)/(71*x-1)/(2*x-1)/(11*x-1)$  ogf]  
A214167 6.97789 [  $-(19*x^3-24*x^2+9*x-1)/(x-1)/(3*x-1)/(2*x-1)/(5*x-1)/(x+1)$  ogf]  
A214181 4.53400 [  $-(21313*x^3-4292*x^2+161*x-1)/(11*x-1)/(32*x-1)/(2*x-1)/(134*x-1)$  ogf]  
A214188 5.26217 [  $-(91*x^4-135*x^3+68*x^2-14*x+1)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(x+1)$  ogf]  
A214232 3.54116 [  $-(2539805*x^4-549839*x^3+24858*x^2-325*x+1)/(227*x-1)/(71*x-1)/(32*x-1)/(2*x-1)/(11*x-1)$  ogf]  
A214239 4.38079 [  $-(531*x^5-881*x^4+535*x^3-151*x^2+20*x-1)/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)/(x+1)$  ogf]  
A214260 12.2322 [  $-(x+1)*x/(x^3+2*x-1)$  ogf]  
A214260 6.44494 [  $\{-a(n+3)+2*a(n+2)+a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$ , ogf]  
A214260 7.88657 [  $-(2*x^3+3*x^2+3)/(x^4+x^3+2*x^2+x-1)$  lgdogf]  
A214262 10.1223 [  $-(6*x^5+5*x^4+x^3+6*x^2+x+5)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A214263 3.59222 [  $-(x^{12}+x^9+x^8+x^4-x^2+1)/(-x^{13}-x^{12}-x^9-x^8-x^5-x^4-x-1)$  ogf\_with\_Euler\_transform]  
A214264 3.41846 [  $-(x^{12}+x^{11}-x^9+x^4+x^3+x^2)/(-x^{13}-x^{12}-x^9-x^8-x^5-x^4-x-1)$  ogf\_with\_Euler\_transform]  
A214286 5.58521 [  $x^6*(x^{10}+x^9+x^7+x^6+x^5+x^2+1)/(x-1)/(x+1)/(x^2+1)/$

$(x^2+x-1)/(x^4+1)/(x^8+1)$  ogf]  
A214295 5.86940  $[-(-x^8-x^6-x^2+x)/(x^9+x^6+x^3+1)$  ogf\_with\_Euler\_transform]  
A214297 11.8775  $[(3x^4-8x^3+4x^2-2x+1)/(x^2+1)/(x+1)/(x-1)^3$  ogf]  
A214302 3.98059  $[-(2x^{13}-x^{11}-x^{10}+2x^9+2x^5-x^2+x)/(-x^{14}+x^{12}-x^{10}+x^8-$   
 $x^6+x^4-x^2+1)$  ogf\_with\_Euler\_transform]  
A214304 3.91676  $[-(x^{11}-2x^{10}+x^9+2x^8-x^7+2x^3-2x^2-x+2)/(-x^{12}-x^8-x^4-1)$   
ogf\_with\_Euler\_transform]  
A214316 5.74625  $[-(-2x^9-3x^8-2x^7-3x^6-2x^5-2x^4-2x^3-3x^2-2x-3)/$   
 $(x^{10}-1)$  ogf\_with\_Euler\_transform]  
A214320 7.83313  $[-$   
 $(3x^{15}+2x^{13}+x^{12}+2x^{11}+x^{10}+2x^9+7x^8+5x^7+2x^6+2x^5+3x^4+2x^3+x^2+x$   
 $+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A214341 10.6453  $[-(x^2-1)/(x^4-x^3+x^2-x+1)$  ogf\_with\_Euler\_transform]  
A214345 11.7319  $[(x^3-3x^2+3x-5)/(x+1)/(x-1)^3$  ogf]  
A214345 5.99629  $[ \{(-n-5)*a(n+1)-2*a(n+2)+(n+3)*a(n+3), a(0) = 5, a(1) = 7, a(2)$   
 $= 17\} ,$  ogf]  
A214345 8.34535  $[-(x^4-4x^3+6x^2-20x-7)/(x^5-3x^4+2x^3-2x^2-3x+5)$  lgdogf]  
A214353 5.22685  $[-(x^6-7x^5+20x^4-30x^3+23x^2-13x+26)/(x-1)^7$  ogf]  
A214372 14.5661  $[-x*(x^3+2x^2+x-1)$  revogf]  
A214377 5.32101  $[ \{(108*n^2+432*n+420)*a(n+1)+(-n^2-7*n-10)*a(n+3), a(0) = 1,$   
 $a(1) = 4, a(2) = 24\} ,$  ogf]  
A214385 6.77062  $[-2*(4x^3-17x^2+19x+4)/(x-1)^7$  ogf]  
A214385 8.32708  $[-(-16x^3+73x^2-80x-47)/(-4x^4+21x^3-36x^2+15x+4)$  lgdogf]  
A214392 7.10281  $[ x*(x^2-x+1)*(x^4+3x^3+5x^2+3x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$   
ogf]  
A214393 11.5398  $[ (7x^3-19x^2+9x-13)/(x+1)/(x-1)^3$  ogf]  
A214393 8.03264  $[-(7x^4-24x^3+10x^2-72x-17)/(7x^5-19x^4+2x^3+6x^2-9x$   
 $+13)$  lgdogf]  
A214394 5.48134  $[ x*(x^{10}+2x^9+3x^8+4x^7+5x^6+x^5+5x^4+4x^3+3x^2+2x+1)/$   
 $(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2$  ogf]  
A214395 15.0188  $[-(2x^2+9x+5)/(x-1)/(x^2+x+1)$  ogf]  
A214395 9.68318  $[ \{-a(n+3)+a(n), a(0) = 5, a(1) = 9, a(2) = 2\} ,$  ogf]  
A214405 11.4859  $[-(5x^3-17x^2+27x+1)/(x+1)/(x-1)^3$  ogf]  
A214405 7.84135  $[-(-5x^4+24x^3-62x^2-24x-29)/$   
 $(-5x^5+17x^4-22x^3-18x^2+27x+1)$  lgdogf]  
A214411 8.08541  $[ -x^6*(2x^42+x^35+x^28+x^21+x^14+x^7+1)/(x-1)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)/(x^42+x^35+x^28+x^21+x^14+x^7+1)$  ogf]  
A214414 8.72766  $[-x*(993x^8-997x^7+7x^4-9x^3+2x^2-3x-1)/(x-1)^2$  ogf]  
A214429 7.30725  $[-x*(x^6+x^5+2x^4+7x^3+2x^2+x+1)/(x+1)^2/(x^2+1)^2/(x-1)^3$   
ogf]  
A214433 6.29921  $[-x*(445x^{17}-2x^{16}-451x^{15}+15x^9-2x^8-17x^7+3x^5-5x^3-$   
 $x-1)/(x+1)/(x-1)^2$  ogf]  
A214438 11.9059  $[(x^2+x+1)/(x^4-x^2+1)$  ogf]  
A214438 13.5349  $[x^{11}-x^5-x^3-x^2+x+1$  ogf\_with\_Euler\_transform]  
A214439 5.35049  $[-(27x^{11}+27x^{10}+9x^9+9x^8+3x^7+3x^6-$   
 $x^5-27x^4-9x^3-9x^2-3x-3)/(x-1)/(x+1)/(3x^2-1)/(x^2+x+1)/(x^2-x+1)/$   
 $(9x^4+3x^2+1)$  ogf]  
A214446 10.2772  $[-(-2x^2-11x+1)/(-x^3-2x^2+4x-1)$  lgdogf]  
A214446 9.68145  $[ 2*(x^2+3x-1)/(x-1)^4$  ogf]  
A214449 4.54489  $[(x^{28}-x^{27}+x^{23}-x^{22}+x^{18}-x^{17}+x^{13}-x^{12}+x^9-x^7+x^5+x^4+x^2+x$   
 $+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A214489 5.19728  $[-$   
 $x*(24x^{32}-24x^{31}+18x^{28}-24x^{26}-25x^{17}+25x^{16}-20x^6+20x^5-15x^2+20)/$   
 $(6x^{26}-5)/(x-1)^2$  ogf]  
A214493 10.4657  $[-(7x^4-24x^3+16x^2-84x-23)/(7x^5-19x^4+4x^3+2x^2-11x$   
 $+17)$  lgdogf]  
A214493 14.9718  $[ (7x^3-19x^2+11x-17)/(x+1)/(x-1)^3$  ogf]  
A214505 3.53751  $[-(-x^{15}-x^{14}+x^{13}+x^{12}-x^3-x^2+1)/(x^{16}-x^{14}+x^{12}+x^4-x^2+1)$   
ogf\_with\_Euler\_transform]  
A214525 11.4540  $[-x*(7x^2-1)/(49x^4-49x^3+23x^2-7x+1)$  ogf]  
A214541 6.52668  $[-(x^9-2x^8-x^7+4x^5+3x^3+8x^2+11x+2)/(x+1)/(x^2+x+1)^2/$



$(x-1)^5 \text{ ogf}]$   
A214553 3.32531 [ $\{(12500*n^4+100000*n^3+295000*n^2+380000*n+180180)*a(n+1)+(-27*n^4-297*n^3-1203*n^2-2127*n-1386)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 40\}$ , ogf]  
A214555 5.52560 [ $-495*(1000*x^2-1)/(x-1)/(100*x-1)/(1000*x-1)/(10*x-1)$  ogf]  
A214556 2.98405 [ $\{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 6174, a(1) = 631764, a(2) = 63317664\}$ , ogf]  
A214556 5.03559 [ $-18*(2500*x^2-2975*x+343)/(x-1)/(100*x-1)/(10*x-1)$  ogf]  
A214580 6.13459 [ $-3*(5*x^5+530*x^4+3482*x^3+3936*x^2+801*x+14)/(x-1)^7$  ogf]  
A214596 4.31697 [ $-(x^{11}-2*x^9+23*x^7+60*x^6+87*x^5+86*x^4+84*x^3+56*x^2+23*x+2)/(x^2+x+1)^2/(x+1)^3/(x-1)^5$  ogf]  
A214615 12.5240 [ $-(-x+1)/(-x^2-1)$  lgdegf]  
A214615 35.7731 [ $-(-x+1)/(-x^2-1)$  lgdegf]  
A214615 4.40846 [ $\{(n^2+4*n+4)*a(n+1)+a(n+3)-a(n+2), a(0) = 1, a(1) = 1, a(2) = 0\}$ , ogf]  
A214616 10.6944 [ $-(25*x^2+166*x+89)/(5*x^3+21*x^2-17*x-9)$  lgdogf]  
A214616 3.65176 [ $\{(-27-9*n)*a(n+4)+(55-17*n)*a(n+3)+(187+21*n)*a(n+2)+(25+5*n)*a(n+1), a(0) = 0, a(1) = 9, a(2) = 89, a(3) = 439\}$ , ogf]  
A214616 7.33931 [ $-x*(5*x^2+26*x+9)/(x-1)^7$  ogf]  
A214624 3.37169 [ $\{(-100*n^3-450*n^2-600*n-200)*a(n+1)+(36*n^3+306*n^2+895*n+863)*a(n+2)+(-9*n-27)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 16\}$ , ogf]  
A214630 6.11221 [ $-(2*x^9+3*x^8+6*x^7+2*x^6+6*x^5+6*x^4+2*x^3-1)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
A214639 6.28779 [ $-(-x^{10}+x^9+x^8+x^7-x^3-x^2-x+1)/(-x^{12}-x^8-x^4-1)$  ogf\_with\_Euler\_transform]  
A214649 13.7138 [ $1/x-1/(5*x^2-2*x+1)^{1/2}/x$  lgdogf]  
A214649 5.02197 [ $\{(5*n-5)*a(n)+(-2*n-1)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = -1, a(2) = 1\}$ , ogf]  
A214656 4.97312 [ $x^2*(x^{23}+x^{22}+x^{20}+x^{18}+x^{16}+x^{15}+x^{13}+x^{11}+x^9+x^7+x^6+x^4+x^2+1)/(x^4+x^3+x^2+x+1)/(x^{20}+x^{15}+x^{10}+x^5+1)/(x-1)^2$  ogf]  
A214659 10.7177 [ $x*(3*x^2+10*x+1)/(x-1)^4$  ogf]  
A214659 12.0168 [ $-(6*x^2+36*x+14)/(3*x^3+7*x^2-9*x-1)$  lgdogf]  
A214659 4.00560 [ $\{(n+3)*a(n+4)+(4+9*n)*a(n+3)+(-43-7*n)*a(n+2)+(-6-3*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 14, a(3) = 53\}$ , ogf]  
A214660 12.1873 [ $-(3*x^2+34*x+17)/(3*x^3+11*x^2-13*x-1)$  lgdogf]  
A214660 13.3667 [ $-(3*x^2+14*x+1)/(x-1)^3$  ogf]  
A214660 7.26963 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 17, a(2) = 51\}$ , ogf]  
A214663 10.4028 [ $-(-4*x^3-9*x^2-2*x-1)/(-x^4-3*x^3-x^2-x+1)$  lgdogf]  
A214663 18.4938 [ $-1/(x^4+3*x^3+x^2+x-1)$  ogf]  
A214668 3.69655 [ $\{(6912*n^3+51840*n^2+125712*n+98280)*a(n+1)+(-n^3-12*n^2-41*n-42)*a(n+4), a(0) = 1, a(1) = 9, a(2) = 108, a(3) = 1458\}$ , ogf]  
A214672 4.42286 [ $x^2*(x+1)*(x^2-x+1)*(x^{20}+x^{18}-x^{17}+x^{16}+x^{14}+x^9+x^7+x^2+1)/(x^4+x^3+x^2+x+1)/(x^{20}+x^{15}+x^{10}+x^5+1)/(x-1)^2$  ogf]  
A214675 11.8450 [ $-(5*x^2+34*x+15)/(5*x^3+7*x^2-11*x-1)$  lgdogf]  
A214675 12.8002 [ $-(5*x^2+12*x+1)/(x-1)^3$  ogf]  
A214675 6.96152 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 15, a(2) = 47\}$ , ogf]  
A214678 7.56072 [ $(2*x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf]  
A214683 11.5986 [ $(x^2+x+1)/(x^3+2*x^2-x-1)$  ogf]  
A214683 6.37401 [ $\{a(n+3)+a(n+2)-2*a(n+1)-a(n), a(0) = -1, a(1) = 0, a(2) = -3\}$ , ogf]  
A214683 8.42280 [ $-(-x^4-2*x^3-6*x^2-6*x)/(-x^5-3*x^4-2*x^3+2*x+1)$  lgdogf]  
A214684 9.78453 [ $-(4*x^5+x^4+3*x^3+2*x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A214699 13.4595 [ $-(3*x^2-6*x)/(x^3-3*x^2+1)$  lgdogf]  
A214699 18.3838 [ $3*x/(x^3-3*x^2+1)$  ogf]  
A214699 8.19276 [ $\{a(n+3)-3*a(n+1)+a(n), a(0) = 0, a(1) = 3, a(2) = 0\}$ , ogf]  
A214701 13.8969 [ $(x^{28}-x^{27}+1)/(x-1)^2$  ogf]

A214701 8.81629 [  $[-(-26*x^28+53*x^27-27*x^26+2)/(x^29-2*x^28+x^27+x-1)$  lgdogf]  
A214727 11.5618 [  $(x^2-x-1)/(x^3+x^2+x-1)$  ogf]  
A214727 6.29707 [  $\{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 2\}$ ,  
ogf]  
A214727 8.81590 [  $[-(-x^4+2*x^3+5*x^2+2)/(-x^5+x^3+3*x^2-1)$  lgdogf]  
A214729 12.8692 [  $x*(5*x-13)/(x^2-3*x+1)/(x-1)/(x+1)$  ogf]  
A214729 7.31777 [  $[-(-15*x^4+82*x^3-117*x^2+34)/$   
 $(-5*x^5+28*x^4-39*x^3-15*x^2+44*x-13)$  lgdogf]  
A214731 11.6464 [  $(x^3+7*x-2)/(x-1)^4$  ogf]  
A214731 4.25185 [  $\{(19*n^2+126*n+176)*a(n+1)+(-80*n^2-491*n-629)*a(n$   
 $+2)+(61*n^2+239*n+168)*a(n+3), a(0) = -2, a(1) = -1, a(2) = 8\}$ , ogf]  
A214731 9.92098 [  $[-(-x^3-3*x^2-21*x+1)/(-x^4+x^3-7*x^2+9*x-2)$  lgdogf]  
A214732 11.4094 [  $-(1031*x^2-2002*x+1021)/(x-1)^3$  ogf]  
A214732 6.60046 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1021, a(1) = 1061, a(2)$   
 $= 1151\}$ , ogf]  
A214732 9.39595 [  $[-(-1031*x^2+1942*x-1061)/(-1031*x^3+3033*x^2-3023*x+1021)$   
lgdogf]  
A214733 15.1960 [  $-(6*x+1)/(3*x^2+x+1)$  lgdogf]  
A214733 19.7137 [  $x/(3*x^2+x+1)$  ogf]  
A214733 9.00501 [  $\{-a(n+2)-a(n+1)-3*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A214772 19.9919 [  $x^{19}+x^8+x^5$  ogf\_with\_Euler\_transform]  
A214772 8.73738 [  $[-1/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x^2-x+1)/$   
 $(x^6+x^3+1)/(x^8-x^6+x^4-x^2+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^3$  ogf]  
A214777 4.49907 [  $-x*(x^{22}-x^{21}+x^{17}-x^{16}+x^{15}-x^{14}+x^{13}-x^{12}+x^{11}-$   
 $x^{10}+x^9+x^8-2*x^7+x^6+x^5+3*x-6)/(x-1)^2$  ogf]  
A214778 12.3478 [  $3*(2*x^2+2*x-1)/(x^3+6*x^2+3*x-1)$  ogf]  
A214778 6.66565 [  $\{a(n+3)-3*a(n+2)-6*a(n+1)-a(n), a(0) = 3, a(1) = 3, a(2) = 21\}$ ,  
ogf]  
A214778 7.68590 [  $[-(2*x^4+4*x^3+3*x^2-8*x-1)/(2*x^5+14*x^4+17*x^3-2*x^2-5*x+1)$   
lgdogf]  
A214779 12.7444 [  $-(x^2-x+1)/(x^3-3*x^2+1)$  ogf]  
A214779 7.56698 [  $[-(-x^4+2*x^3-6*x^2+8*x-1)/(-x^5+4*x^4-4*x^3+2*x^2+x-1)$  lgdogf]  
A214779 7.72798 [  $\{-a(n+3)+3*a(n+1)-a(n), a(0) = -1, a(1) = 1, a(2) = -4\}$ , ogf]  
A214825 12.5311 [  $(x^2-2*x-1)/(x^3+x^2+x-1)$  ogf]  
A214825 6.82500 [  $\{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 3, a(2) = 3\}$ ,  
ogf]  
A214825 8.30870 [  $[-(-x^4+4*x^3+6*x^2+3)/(-x^5+x^4+2*x^3+4*x^2-x-1)$  lgdogf]  
A214826 11.3493 [  $(x^2-3*x-1)/(x^3+x^2+x-1)$  ogf]  
A214826 6.18133 [  $\{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 4\}$ ,  
ogf]  
A214826 7.52510 [  $[-(-x^4+6*x^3+7*x^2+4)/(-x^5+2*x^4+3*x^3+5*x^2-2*x-1)$  lgdogf]  
A214827 11.5213 [  $(x^2-4*x-1)/(x^3+x^2+x-1)$  ogf]  
A214827 6.27499 [  $\{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 5\}$ ,  
ogf]  
A214827 7.63912 [  $[-(-x^4+8*x^3+8*x^2+5)/(-x^5+3*x^4+4*x^3+6*x^2-3*x-1)$  lgdogf]  
A214828 11.6359 [  $(x^2-5*x-1)/(x^3+x^2+x-1)$  ogf]  
A214828 6.33743 [  $\{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 6, a(2) = 6\}$ ,  
ogf]  
A214828 7.63217 [  $[-(-x^4+10*x^3+9*x^2+6)/(-x^5+4*x^4+5*x^3+7*x^2-4*x-1)$  lgdogf]  
A214829 13.2306 [  $(x^2-6*x-1)/(x^3+x^2+x-1)$  ogf]  
A214829 7.20593 [  $\{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 7, a(2) = 7\}$ ,  
ogf]  
A214829 8.58579 [  $[-(-x^4+12*x^3+10*x^2+7)/(-x^5+5*x^4+6*x^3+8*x^2-5*x-1)$  lgdogf]  
A214830 12.6024 [  $(x^2-7*x-1)/(x^3+x^2+x-1)$  ogf]  
A214830 6.86380 [  $\{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 8, a(2) = 8\}$ ,  
ogf]  
A214830 8.17815 [  $[-(-x^4+14*x^3+11*x^2+8)/(-x^5+6*x^4+7*x^3+9*x^2-6*x-1)$  lgdogf]  
A214831 12.6024 [  $(x^2-8*x-1)/(x^3+x^2+x-1)$  ogf]  
A214831 6.86380 [  $\{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 9, a(2) = 9\}$ ,  
ogf]  
A214831 8.09206 [  $[-(-x^4+16*x^3+12*x^2+9)/(-x^5+7*x^4+8*x^3+10*x^2-7*x-1)$  lgdogf]

A214838 8.34239 [  $-3*(x^4+x^3-14*x^2+x+1)/(x-1)/(x^2+6*x+1)/(x^2-6*x+1)$  ogf ]  
A214849 13.1449 [  $-(-x^2+x-1)/(-x^2+1)$  lgdegf ]  
A214849 3.81864 [  $\{ (n^2+5*n+6)*a(n+1)+(n^2+4*n+3)*a(n+2)-a(n+4)+a(n+3), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 2 \}$ , ogf ]  
A214849 33.7065 [  $-(-x^2+x-1)/(-x^2+1)$  lgdegf ]  
A214855 13.1937 [  $-610*x/(x^2+1364*x-1)$  ogf ]  
A214855 6.44343 [  $\{-a(n+2)+1364*a(n+1)+a(n), a(0) = 0, a(1) = 610\}$ , ogf ]  
A214863 10.4990 [  $(x^2+4*x+11)/(x+1)/(x-1)^2$  ogf ]  
A214863 5.66034 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 11, a(1) = 15, a(2) = 27\}$ , ogf ]  
A214863 7.74927 [  $-(-x^3-9*x^2-39*x-15)/(-x^4-4*x^3-10*x^2+4*x+11)$  lgdogf ]  
A214864 8.73164 [  $(x^4+x^3+3*x^2+x+10)/(x+1)/(x^2+1)/(x-1)^2$  ogf ]  
A214865 12.1134 [  $(x^4+2*x^3+2*x^2+2*x+9)/(x+1)/(x^2+1)/(x-1)^2$  ogf ]  
A214884 10.6199 [  $-x*(x+2)/(x^2+3*x+1)/(x-1)^2$  ogf ]  
A214884 3.48634 [  $\{ (-3*n-11)*a(n+1)+(-6*n-25)*a(n+2)+(6*n+13)*a(n+3)+(3*n+8)*a(n+4), a(0) = 0, a(1) = -2, a(2) = 1, a(3) = -9 \}$ , ogf ]  
A214884 8.41824 [  $-(3*x^3+13*x^2+15*x-1)/(x^4+4*x^3+2*x^2-5*x-2)$  lgdogf ]  
A214885 10.0991 [  $-x*(x+3)/(x^2+3*x+1)/(x-1)^2$  ogf ]  
A214885 8.00540 [  $-(3*x^3+17*x^2+22*x-2)/(x^4+5*x^3+4*x^2-7*x-3)$  lgdogf ]  
A214899 11.5040 [  $(x+2)*(x-1)/(x^3+x^2+x-1)$  ogf ]  
A214899 6.26559 [  $\{a(n+3)-a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 1, a(2) = 2\}$ , ogf ]  
A214899 7.97439 [  $-(-x^4+2*x^3-6*x^2-2*x-1)/(x^5+2*x^4-2*x^2-3*x+2)$  lgdogf ]  
A214907 4.02059 [  $-(x^{13}-2*x^{11}-2*x^{10}+x^9+6*x^8+7*x^7+8*x^6+10*x^5+10*x^4+13*x^3+10*x^2+6*x+2)/(x^2+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^5$  ogf ]  
A214920 8.80359 [  $(2*x^8-x^7+2*x^6+2*x^4-x^3+x^2+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf ]  
A214922 10.4119 [  $-x*(x^2-x+1)*(x^{21}-x^{19}-x^{18}+x^{16}+x^{15}-x^{13}-x^{12}+x^{10}+x^9-x^7-x^6+x^4+x^3-x-1)/(x-1)^2$  ogf ]  
A214927 10.9584 [  $-(3*x^4+4*x^3+x^2+2*x+1)/(x^5+x^4+x^3+x^2-x-1)$  lgdogf ]  
A214927 18.4563 [  $-2*x^3*(x+1)/(x^4+x^2-1)$  ogf ]  
A214931 7.80989 [  $(x^4+x^3-6*x^2+x+1)/(2*x^5+3*x^4-7*x^3+12*x^2-7*x+1)$  ogf ]  
A214944 10.7620 [  $-(4*x^2+72*x+44)/(x^3+13*x^2-9*x-5)$  lgdogf ]  
A214944 3.51734 [  $\{ (15+5*n)*a(n+4)+(-26+9*n)*a(n+3)+(-85-13*n)*a(n+2)+(-4-n)*a(n+1), a(0) = 0, a(1) = 30, a(2) = 264, a(3) = 1140 \}$ , ogf ]  
A214944 7.67079 [  $6*x*(x^2+14*x+5)/(x-1)^6$  ogf ]  
A214945 3.52888 [  $\{ (391*n^2+3445*n+7524)*a(n+1)+(-662*n^2-3706*n-5828)*a(n+2)+(271*n^2+981*n+878)*a(n+3), a(0) = 0, a(1) = 42, a(2) = 696 \}$ , ogf ]  
A214945 6.12911 [  $-6*x*(x^3+45*x^2+67*x+7)/(x-1)^7$  ogf ]  
A214945 7.85076 [  $-(4*x^3+228*x^2+492*x+116)/(x^4+44*x^3+22*x^2-60*x-7)$  lgdogf ]  
A214946 4.79044 [  $12*x*(x^4+62*x^3+238*x^2+114*x+5)/(x-1)^8$  ogf ]  
A214951 12.5061 [  $(x+2)*(x-1)/(x^3+6*x^2+3*x-1)$  ogf ]  
A214951 6.75111 [  $\{a(n+3)-3*a(n+2)-6*a(n+1)-a(n), a(0) = 2, a(1) = 5, a(2) = 26\}$ , ogf ]  
A214951 7.78444 [  $-(-x^4+2*x^3-3*x^2-22*x-5)/(x^5+7*x^4+7*x^3-10*x^2-7*x+2)$  lgdogf ]  
A214954 12.6496 [  $-x*(x+2)/(x^3+6*x^2+3*x-1)$  ogf ]  
A214954 6.49576 [  $\{a(n+3)-3*a(n+2)-6*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 7\}$ , ogf ]  
A214954 8.68710 [  $-(-2*x^3-12*x^2-24*x-7)/(-x^4-8*x^3-15*x^2-5*x+2)$  lgdogf ]  
A214955 4.20911 [  $\{ (32*n^2+144*n+160)*a(n+1)+(4*n^2+50*n+138)*a(n+2)+(-3*n^2-24*n-45)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 25 \}$ , ogf ]  
A214955 7.14391 [  $1/8*(x^2-14*x-3+(x^4+20*x^3+94*x^2+132*x+9)^{(1/2)})/(x^2-2*x+1)$  revogf ]  
A214982 7.83456 [  $-(x+1)*x/(x-1)/(x^2+3*x+1)/(x^2-7*x+1)$  ogf ]  
A214988 6.15987 [  $(x^{11}+x^{10}+x^9+x^8+2*x^7+x^6+x^5+x^4+2*x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A214992 4.89033 [  $\{a(n+3)-6*a(n+2)-6*a(n+1)+a(n), a(0) = 7, a(1) = 47, a(2) = 323\}$ , ogf ]  
A214992 9.21948 [  $-(-x^2-5*x-7)/(x+1)/(x^2-7*x+1)$  ogf ]  
A214993 10.4641 [  $-(-x^2+11*x-11)/(x-1)/(x^2+11*x-1)$  ogf ]

A214993 5.66805 [ $\{a(n+3)-12a(n+2)+10a(n+1)+a(n), a(0) = 11, a(1) = 121, a(2) = 1341\}$ , ogf]  
A214993 6.24006 [ $(-(-x^4-22x^3-89x^2+222x-121)/(-x^5-21x^4-87x^3+241x^2-143x+11)) \operatorname{lgdogf}$ ]  
A214994 10.4641 [ $-(x^2+10x-12)/(x-1)/(x^2+11x-1)$  ogf]  
A214994 5.66805 [ $\{a(n+3)-12a(n+2)+10a(n+1)+a(n), a(0) = 12, a(1) = 134, a(2) = 1487\}$ , ogf]  
A214994 6.24006 [ $(-(-x^4-20x^3-76x^2+242x-134)/(-x^5-20x^4-76x^3+239x^2-154x+12)) \operatorname{lgdogf}$ ]  
A214995 5.24144 [ $\{a(n+3)-17a(n+2)-17a(n+1)+a(n), a(0) = 18, a(1) = 322, a(2) = 5779\}$ , ogf]  
A214995 9.67651 [ $-(x^2-16x-18)/(x+1)/(x^2-18x+1)$  ogf]  
A214996 12.2312 [ $-(2x^2-2x-3)/(x+1)/(2x^2-4x+1)$  ogf]  
A214996 6.54478 [ $\{a(n+3)-3a(n+2)-2a(n+1)+2a(n), a(0) = 3, a(1) = 11, a(2) = 37\}$ , ogf]  
A214996 7.61332 [ $(-(-4x^4+8x^3+8x^2-8x-11)/(-4x^5+8x^4+8x^3-14x^2-7x+3)) \operatorname{lgdogf}$ ]  
A214997 12.2846 [ $-(2x^2-x-4)/(x+1)/(2x^2-4x+1)$  ogf]  
A214997 6.57336 [ $\{-a(n+3)+3a(n+2)+2a(n+1)-2a(n), a(0) = 4, a(1) = 13, a(2) = 45\}$ , ogf]  
A214997 7.34670 [ $(-(-4x^4+4x^3+16x^2-12x-13)/(-4x^5+6x^4+12x^3-13x^2-11x+4)) \operatorname{lgdogf}$ ]  
A214998 12.0312 [ $-(x^2-2x-4)/(x+1)/(x^2-4x+1)$  ogf]  
A214998 6.43776 [ $\{a(n+3)-3a(n+2)-3a(n+1)+a(n), a(0) = 4, a(1) = 14, a(2) = 53\}$ , ogf]  
A214998 7.33905 [ $(-(-x^4+4x^3+3x^2-22x-14)/(-x^5+5x^4+x^3-19x^2-10x+4)) \operatorname{lgdogf}$ ]  
A215004 12.0526 [ $-(x^3-x+1)/(x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A215005 11.5427 [ $x*(x^2-x-1)/(x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A215005 9.15890 [ $(-(-3x^5+x^4+9x^3+3x^2-3x-3)/(-x^6+4x^4-4x^2+1)) \operatorname{lgdogf}$ ]  
A215006 10.3835 [ $-x*(x^4+x^3-2x^2+1)/(x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A215007 10.5912 [ $-(2x^2-4x+1)/(7x^3-14x^2+7x-1)$  ogf]  
A215007 5.81108 [ $\{a(n+3)-7a(n+2)+14a(n+1)-7a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A215008 10.4109 [ $x*(2x-1)/(7x^3-14x^2+7x-1)$  ogf]  
A215008 5.39134 [ $\{-a(n+3)+7a(n+2)-14a(n+1)+7a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$ , ogf]  
A215008 7.02128 [ $(-(-28x^3+49x^2-28x+5)/(-14x^4+35x^3-28x^2+9x-1)) \operatorname{lgdogf}$ ]  
A215014 5.29111 [ $-x*(x^32-67x^30-x^28-9x^27-2x^26-8x^15-x^14-8x^13-x^12-8x^11-x^10-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A215027 15.9779 [ $-x*(720x^10-810x^9-10x-1)/(x+1)/(x-1)^2$  ogf]  
A215028 9.81626 [ $-(900x^11-990x^10+9x^2-19x-1)/(x+1)/(x-1)^2$  ogf]  
A215036 13.4444 [ $(2x^2-x-2)/(x-1)/(x+1)$  ogf]  
A215036 7.93707 [ $\{a(n+3)-a(n+1), a(0) = 2, a(1) = 1, a(2) = 0\}$ , ogf]  
A215036 9.68790 [ $(-(-x^2-1)/(2x^4-x^3-4x^2+x+2)) \operatorname{lgdogf}$ ]  
A215037 11.6546 [ $-1/(x-1)/(x^2+4x-1)/(x^2-x-1)$  ogf]  
A215037 6.36796 [ $(-(-5x^4-8x^3+27x^2-6x-4)/(-x^5-2x^4+9x^3-3x^2-4x+1)) \operatorname{lgdogf}$ ]  
A215038 8.70699 [ $-(x+1)*x/(x-1)/(x^2+4x-1)/(x^2-x-1)$  ogf]  
A215039 7.72033 [ $x*(x^2+6x+1)/(x^2-3x+1)/(x^2-18x+1)$  ogf]  
A215040 6.66841 [ $-(x-1)*(x^2-12x+1)/(x^2-3x+1)/(x^2-18x+1)$  ogf]  
A215042 8.13867 [ $x*(7x^2-6x+7)/(x^2-3x+1)/(x^2-18x+1)$  ogf]  
A215043 4.16579 [ $x*(2x^4-12x^3+97x^2-12x+2)/(x^2-18x+1)/(x^2-123x+1)/(x^2-3x+1)$  ogf]  
A215044 4.13164 [ $x*(x^4+99x^3+416x^2+99x+1)/(x^2-18x+1)/(x^2-123x+1)/(x^2-3x+1)$  ogf]  
A215045 4.11853 [ $-(x-1)*(x^4-111x^3+1046x^2-111x+1)/(x^2-18x+1)/(x^2-123x+1)/(x^2-3x+1)$  ogf]  
A215052 18.2767 [ $-x^5+x^4+x^2+x+4$  ogf\_with\_Euler\_transform]  
A215052 6.18601 [ $(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^6$  ogf]  
A215053 18.0619 [ $x^6-2x^5+2x^2+2x+5$  ogf\_with\_Euler\_transform]

A215053 4.19452 [  $(x^2-x+1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^8$  ogf]  
A215076 12.8188 [  $(4x^2+6x-3)/(x^3+4x^2+3x-1)$  ogf]  
A215076 6.91986 [  $\{a(n+3)-3a(n+2)-4a(n+1)-a(n), a(0) = 3, a(1) = 3, a(2) = 17\}$ ,  
ogf]  
A215076 7.74202 [  $-(4x^4+12x^3+3x^2-16x-3)/(4x^5+22x^4+33x^3+2x^2-15x+3)$   
lgdogf]  
A215082 7.34685 [  $x*(2x^2+1)*(x^3+x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^2-1)^2$  ogf]  
A215093 10.7191 [  $-1/8*\exp(2x)-1/8*\exp(-2x)+x+1/4$  revegef]  
A215094 17.3004 [  $-1/2*x^2+\operatorname{arcsinh}(x)$  revegef]  
A215095 12.3070 [  $-x*(2x+1)/(2x-1)/(x+1)/(x^2+1)$  ogf]  
A215095 8.16280 [  $-(-12x^4-12x^3-5x^2-2x-3)/(-4x^5-4x^4-3x^3-3x^2+x+1)$   
lgdogf]  
A215096 4.50126 [  $\{(n+4)*a(n+1)-a(n+2)+(n+4)*a(n+3)-a(n+4), a(0) = 0, a(1) = 1,$   
 $a(2) = 2, a(3) = 5\}$ , ogf]  
A215097 8.41789 [  $-(4x^4+20x^3+4x^2+12x+8)/(x^5+3x^4-2x^3+2x^2-3x-1)$   
lgdogf]  
A215097 9.26913 [  $x*(x^2+4x+1)/(x^2+1)/(x-1)^4$  ogf]  
A215098 4.27537 [  $\{(n+4)*a(n+1)+(-n-2)*a(n+2)+(n+4)*a(n+3)+(-n-2)*a(n+4), a(0) =$   
 $0, a(1) = 1, a(2) = 2, a(3) = 5\}$ , ogf]  
A215098 9.36738 [  $x*(x^3-3x^2+x-1)/(x^2+1)/(x-1)^3$  ogf]  
A215100 12.9790 [  $(x+2)*(x-1)/(x^3+4x^2+3x-1)$  ogf]  
A215100 7.00635 [  $\{a(n+3)-3a(n+2)-4a(n+1)-a(n), a(0) = 2, a(1) = 5, a(2) = 22\}$ ,  
ogf]  
A215100 8.16204 [  $-(x^4+2x^3-5x^2-14x-5)/(x^5+5x^4+5x^3-6x^2-7x+2)$  lgdogf]  
A215108 6.67506 [  $x*(x+1)*(2x+1)/(x^2+x+1)/(x^2+x-1)^2$  ogf]  
A215109 7.80452 [  $(2x+1)/(x^2+x+1)/(x^2+x-1)^2$  ogf]  
A215112 12.9585 [  $(3x+1)/(x^3+x^2-2x-1)$  ogf]  
A215112 6.13212 [  $\{-a(n+3)-2a(n+2)+a(n+1)+a(n), a(0) = -1, a(1) = -1, a(2) = 1\}$ ,  
ogf]  
A215112 8.58498 [  $-(6x^3+6x^2+2x+1)/(3x^4+4x^3-5x^2-5x-1)$  lgdogf]  
A215137 11.1540 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 18\}$ , ogf]  
A215137 17.8035 [  $-(-16x-18)/(-16x^2+15x+1)$  lgdogf]  
A215137 20.1257 [  $(16x+1)/(x-1)^2$  ogf]  
A215139 9.12254 [  $-(x+1)*(6x^4+x^3-12x^2-x+5)/(7x^6-14x^4+7x^2-1)$  ogf]  
A215143 12.8112 [  $-(7x^2-5x+1)/(7x^3-14x^2+7x-1)$  ogf]  
A215143 7.02918 [  $\{a(n+3)-7a(n+2)+14a(n+1)-7a(n), a(0) = 1, a(1) = 2, a(2) =$   
 $7\}$ , ogf]  
A215143 7.42334 [  $-(-49x^4+70x^3-42x^2+14x-2)/$   
 $(-49x^5+133x^4-126x^3+56x^2-12x+1)$  lgdogf]  
A215144 15.8812 [  $-(-18x-20)/(-18x^2+17x+1)$  lgdogf]  
A215144 17.9526 [  $(18x+1)/(x-1)^2$  ogf]  
A215144 9.94964 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 20\}$ , ogf]  
A215145 14.8205 [  $-(-19x-21)/(-19x^2+18x+1)$  lgdogf]  
A215145 16.7537 [  $(19x+1)/(x-1)^2$  ogf]  
A215145 9.28516 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 21\}$ , ogf]  
A215146 14.0703 [  $-(-20x-22)/(-20x^2+19x+1)$  lgdogf]  
A215146 15.9056 [  $(20x+1)/(x-1)^2$  ogf]  
A215146 8.81514 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 22\}$ , ogf]  
A215148 12.5897 [  $-(-22x-24)/(-22x^2+21x+1)$  lgdogf]  
A215148 14.2318 [  $(22x+1)/(x-1)^2$  ogf]  
A215148 7.88753 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 24\}$ , ogf]  
A215149 3.65428 [  $\{(2n^2+10n+12)*a(n+1)+(-3n^2-12n-9)*a(n+2)+(n^2+3n+2)*a(n$   
 $+3), a(0) = 0, a(1) = 2, a(2) = 6\}$ , ogf]  
A215149 7.39257 [  $-(20x^3-36x^2+24x-6)/(10x^4-27x^3+27x^2-12x+2)$  lgdogf]  
A215149 8.57539 [  $x*(5x^2-6x+2)/(x-1)^2/(2x-1)^2$  ogf]  
A215171 5.97271 [  $-(-16x^4+448x^3+1952x^2-832x-16)/(-$   
 $x^5+29x^4+174x^3-174x^2-29x+1)$  lgdogf]  
A215171 8.92655 [  $-(-16x^4+448x^3+1952x^2-832x-16)/(-$   
 $x^5+29x^4+174x^3-174x^2-29x+1)$  lgdogf]  
A215175 5.11555 [  $-(x^{11}+2x^9-3x^8+2x^7+8x^6+2x^5-4x^4+x^3+2x^2-1)/$   
 $(x^4+1)/(x^2+1)/(x+1)^3/(x-1)^3$  ogf]

A215183 7.46517 [  $-(x^9-2x^8+3x^5-2x^3+2x^2+x+2)/(x+1)/(x^2+x+1)^2/(x-1)^5$  ogf ]  
A215191 8.62921 [  $-(-28x^3-68x^2-100x-44)/(-7x^4-8x^3-2x^2+8x+9)$  lgdogf ]  
A215191 8.73194 [  $-2x*(7x^2+8x+9)/(x+1)/(x-1)^5$  ogf ]  
A215192 4.28223 [  $6x*(8x^6+24x^5+57x^4+69x^3+56x^2+21x+5)/(x^2+x+1)/(x+1)^2/(x-1)^6$  ogf ]  
A215205 6.78498 [  $-(x^6-x^5+3x^4-x^3+3x^2-x+1)/(x-1)/(x+1)^2/(x^2+1)^2$  ogf ]  
A215229 3.49458 [  $\{(229n^2+2262n+5384)*a(n+1)+(82n^2+2172n+8006)*a(n+2)+(-311n^2-1194n-1144)*a(n+3), a(0) = 0, a(1) = 18, a(2) = 408\}$ , ogf ]  
A215229 6.04715 [  $6x*(7x^3-77x^2-47x-3)/(x-1)^7$  ogf ]  
A215229 7.81373 [  $-(-28x^3+364x^2+436x+68)/(-7x^4+84x^3-30x^2-44x-3)$  lgdogf ]  
A215230 3.20999 [  $\{(139n^2+1008n+1565)*a(n+1)+(486n^2+5972n+12084)*a(n+2)+(-625n^2-1632n-1007)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 840\}$ , ogf ]  
A215230 5.27924 [  $840x^2*(x^2+4x+1)/(x-1)^8$  ogf ]  
A215230 9.67861 [  $-(6x^2+30x+12)/(x^3+3x^2-3x-1)$  lgdogf ]  
A215255 4.51372 [  $-(x^{17}+x^{14}+x^{12}+5x^{11}+2x^{10}-x^9+3x^8+3x^7+6x^5+4x^4+3x^3+2x^2+x+1)/(x^{18}+6x^{12}+10x^6-1)$  ogf ]  
A215285 9.75245 [  $(5x^8-9x^7-3x^6-x^4+x-1)/(x-1)^3$  ogf ]  
A215340 19.7705 [  $-(x^4-x)/(x+1)$  revogf ]  
A215341 17.5680 [  $-(x^2-x)/(x^4-x+1)$  revogf ]  
A215342 17.4512 [  $-(-x^5-x^2+x)/(x-1)$  revogf ]  
A215404 12.7702 [  $-(3x^2+6x-4)/(x^3+3x^2-4x+1)$  lgdogf ]  
A215404 18.1620 [  $x^2/(x^3+3x^2-4x+1)$  ogf ]  
A215404 7.42991 [  $\{-a(n+3)+4a(n+2)-3a(n+1)-a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf ]  
A215412 8.34557 [  $-(2x^7-2x^6-2x^5-2x^4+2x^3+2x^2+2x-2)/(-x^9-1)$  ogf\_with\_Euler\_transform ]  
A215414 7.68069 [  $86400x*(365x^3+366x^2+365x+365)/(x+1)/(x^2+1)/(x-1)^2$  ogf ]  
A215415 11.5997 [  $-x*(x^2-3x+1)/(x-1)^2/(x^2+1)$  ogf ]  
A215415 4.34247 [  $\{(n+3)*a(n+1)+(-n-2)*a(n+2)+(n+3)*a(n+3)+(-n-2)*a(n+4), a(0) = 0, a(1) = -1, a(2) = 1, a(3) = 3\}$ , ogf ]  
A215415 8.82064 [  $-(2x^4-9x^3+7x^2-3x-1)/(x^5-4x^4+5x^3-5x^2+4x-1)$  lgdogf ]  
A215418 5.22745 [  $\{a(n+5)-a(n+4), a(0) = 1, a(1) = -1, a(2) = 9, a(3) = 16, a(4) = 3\}$ , ogf ]  
A215418 9.04432 [  $(13x^4-7x^3-10x^2+2x-1)/(x-1)$  ogf ]  
A215448 14.6958 [  $(x-1)*(2x-1)/(x^3-3x+1)$  ogf ]  
A215448 8.37500 [  $-(-2x^4+6x^3-9x^2+4x)/(-2x^5+3x^4+5x^3-11x^2+6x-1)$  lgdogf ]  
A215448 8.37500 [  $\{a(n+3)-3a(n+2)+a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf ]  
A215455 4.45876 [  $\{-a(n+3)+6a(n+2)-9a(n+1)+a(n), a(0) = 3, a(1) = 6, a(2) = 18\}$ , ogf ]  
A215455 8.12645 [  $-3*(x-1)*(3x-1)/(x^3-9x^2+6x-1)$  ogf ]  
A215458 11.5556 [  $-x*(2x^2-1)/(x-1)/(2x-1)/(2x^2-x+1)$  ogf ]  
A215459 9.78692 [  $-(x^2+1)*(2x^5-2x^3-1)/(x-1)^2$  ogf ]  
A215465 8.86493 [  $-x*(x-1)*(x+1)/(x^2-7x+1)/(x^2-3x+1)$  ogf ]  
A215466 7.65136 [  $x*(x^2-4x+1)/(x^2-7x+1)/(x^2-3x+1)$  ogf ]  
A215472 16.5611 [  $-(-10x-14)/(x^2-1)$  ogf\_with\_Euler\_transform ]  
A215484 15.5314 [  $-(-21x^2-42x)/(-7x^3-21x^2+1)$  lgdogf ]  
A215484 21.8180 [  $-9x^2/(7x^3+21x^2-1)$  ogf ]  
A215484 9.85328 [  $\{-a(n+3)+21a(n+1)+7a(n), a(0) = 0, a(1) = 0, a(2) = 9\}$ , ogf ]  
A215492 13.9485 [  $-3x*(2x+1)/(7x^3+21x^2-1)$  ogf ]  
A215492 8.01296 [  $\{a(n+3)-21a(n+1)-7a(n), a(0) = 0, a(1) = 3, a(2) = 6\}$ , ogf ]  
A215492 8.75835 [  $-(-28x^3-63x^2-42x-2)/(-14x^4-49x^3-21x^2+2x+1)$  lgdogf ]  
A215493 13.0129 [  $x*(3x-1)/(7x^3-14x^2+7x-1)$  ogf ]  
A215493 6.73881 [  $\{-a(n+3)+7a(n+2)-14a(n+1)+7a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf ]  
A215493 8.67525 [  $-(-42x^3-63x^2+28x-4)/(21x^4-49x^3+35x^2-10x+1)$  lgdogf ]  
A215494 11.5176 [  $-7*(x-1)*(3x-1)/(7x^3-14x^2+7x-1)$  ogf ]  
A215494 6.40977 [  $\{-a(n+3)+7a(n+2)-14a(n+1)+7a(n), a(0) = 7, a(1) = 21, a(2) =$

70}], ogf]

A215494 7.02023 [  $(-(-21*x^4+56*x^3-56*x^2+22*x-3)/(-21*x^5+70*x^4-84*x^3+45*x^2-11*x+1) \lgdogf]$

A215495 13.7285 [  $(x^5+x^4+2*x^3+x+1)/(x^2+1)/(x-1)^2/(x+1)^2 \text{ ogf}]$

A215500 10.2478 [  $-2*(x-2)*(2*x-1)*(x+1)/(x^2-3*x+1)/(x^2-x-1) \text{ ogf}]$

A215502 9.71336 [  $(2*x^3-12*x^2-3*x+4)/(2*x+1)/(x-1)/(2*x^2+2*x-1) \text{ ogf}]$

A215503 6.05592 [  $-(5*x^6+2*x^5-51*x^4-20*x^3+45*x^2+6*x-7)/(x+1)/(x^2-2*x-1)/(x^4-4*x^3-2*x^2+4*x-1) \text{ ogf}]$

A215510 12.2754 [  $7*x*(2*x-1)/(7*x^3-14*x^2+7*x-1) \text{ ogf}]$

A215510 6.40927 [  $\{-a(n+3)+7*a(n+2)-14*a(n+1)+7*a(n), a(0) = 0, a(1) = 7, a(2) = 35\}, \text{ ogf}]$

A215510 8.42149 [  $(-28*x^3-49*x^2+28*x-5)/(14*x^4-35*x^3+28*x^2-9*x+1) \lgdogf]$

A215512 12.6733 [  $(x^2+2*x-1)/(x^3-6*x^2+5*x-1) \text{ ogf}]$

A215512 6.90241 [  $\{a(n+3)-5*a(n+2)+6*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 8\}, \text{ ogf}]$

A215512 7.80879 [  $(-x^4+4*x^3-20*x^2+14*x-3)/(x^5-4*x^4-8*x^3+15*x^2-7*x+1) \lgdogf]$

A215524 15.9682 [  $(2*\ln(x+1)+1)*(x+1) \lgdegf]$

A215524 42.3537 [  $(2*\ln(x+1)+1)*(x+1) \lgdegf]$

A215537 10.5224 [  $(-(-6*x^3+18*x^2-27*x+17)/(6*x^4-3*x^3-36*x^2+58*x-25) \lgdogf]$

A215537 14.3640 [  $(6*x^3+3*x^2-33*x+25)/(x-1)^2 \text{ ogf}]$

A215537 7.66890 [  $\{-a(n+4)+2*a(n+3)-a(n+2), a(0) = 25, a(1) = 17, a(2) = 12, a(3) = 13\}, \text{ ogf}]$

A215543 4.80573 [  $\{(-227*n^2-617*n)*a(n)+(1786*n^2+6682*n+4896)*a(n+1)+(-1559*n^2-2069*n-510)*a(n+2), a(0) = 0, a(1) = 5\}, \text{ ogf}]$

A215543 9.49970 [  $(-(-2*x^3+10*x^2-68*x-48)/(-2*x^4+10*x^3-36*x^2+23*x+5) \lgdogf]$

A215543 9.96310 [  $x*(2*x^3-8*x^2+28*x+5)/(x-1)^4 \text{ ogf}]$

A215544 7.24731 [  $(-(-3*x^4+18*x^3+120*x^2+870*x+275)/(-3*x^5+18*x^4+10*x^3+180*x^2-191*x-14) \lgdogf]$

A215544 7.66542 [  $x*(3*x^4-15*x^3-25*x^2-205*x-14)/(x-1)^5 \text{ ogf}]$

A215545 6.00325 [  $x*(4*x^5-24*x^4+256*x^3+1461*x^2+1386*x+42)/(x-1)^6 \text{ ogf}]$

A215546 4.94714 [  $x*(5*x^6-35*x^5-609*x^4-11921*x^3-24892*x^2-9072*x-132)/(x-1)^7 \text{ ogf}]$

A215547 4.25274 [  $x*(6*x^7-48*x^6+2808*x^5+83196*x^4+355384*x^3+323184*x^2+58584*x+429)/(x-1)^8 \text{ ogf}]$

A215548 3.55194 [  $x*(7*x^8-63*x^7-9615*x^6-572643*x^5-4331133*x^4-7786221*x^3-3699621*x^2-376497*x-1430)/(x-1)^9 \text{ ogf}]$

A215560 12.2660 [  $(46*x^2+6*x-3)/(x^3+46*x^2+3*x-1) \text{ ogf}]$

A215560 6.71965 [  $\{a(n+3)-3*a(n+2)-46*a(n+1)-a(n), a(0) = 3, a(1) = 3, a(2) = 101\}, \text{ ogf}]$

A215560 6.96180 [  $(-46*x^4+12*x^3+129*x^2-184*x-3)/(46*x^5+2122*x^4+411*x^3-166*x^2-15*x+3) \lgdogf]$

A215569 11.8169 [  $-7*x*(x+2)/(x^3+46*x^2+3*x-1) \text{ ogf}]$

A215569 6.11575 [  $\{a(n+3)-3*a(n+2)-46*a(n+1)-a(n), a(0) = 0, a(1) = 14, a(2) = 49\}, \text{ ogf}]$

A215569 8.20229 [  $(-(-2*x^3-52*x^2-184*x-7)/(-x^4-48*x^3-95*x^2-5*x+2) \lgdogf]$

A215572 12.5137 [  $(x+2)*(x-1)/(x^3+46*x^2+3*x-1) \text{ ogf}]$

A215572 6.74653 [  $\{a(n+3)-3*a(n+2)-46*a(n+1)-a(n), a(0) = 2, a(1) = 5, a(2) = 106\}, \text{ ogf}]$

A215572 7.60638 [  $(-x^4+2*x^3+37*x^2-182*x-5)/(x^5+47*x^4+47*x^3-90*x^2-7*x+2) \lgdogf]$

A215573 7.55574 [  $x*(x^8+2*x^7+2*x^6+x^4+2*x^2+2*x+1)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2 \text{ ogf}]$

A215575 11.3788 [  $(7*x^2-14*x+3)/(7*x^3+7*x^2-7*x+1) \text{ ogf}]$

A215575 6.24323 [  $\{a(n+3)-7*a(n+2)+7*a(n+1)+7*a(n), a(0) = 3, a(1) = 7, a(2) = 35\}, \text{ ogf}]$

A215575 6.53227 [  $(-(-49*x^4+196*x^3-14*x^2-28*x+7)/(-49*x^5+49*x^4+126*x^3-126*x^2+35*x-3) \lgdogf]$

A215580 10.0801 [  $(-4*x^5-9*x^4+14*x^3-24*x^2+4*x+5)/$

$(2*x^6-7*x^5+5*x^4-5*x^2+7*x-2)$  lgdogf]  
A215580 17.5162 [  $-(2*x^2-x+2)/(x^2-3*x+1)/(x-1)/(x+1)$  ogf]  
A215594 9.35622 [  $-(2*x^8-x^7+2*x^5+2*x^3-x+2)/(-x^{10}+1)$   
ogf\_with\_Euler\_transform]  
A215595 15.5074 [  $-x^2/(26*x-1)/(x^2-26*x+1)$  ogf]  
A215595 6.12133 [  $\{a(n+3)-52*a(n+2)+677*a(n+1)-26*a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A215595 9.55934 [  $-(78*x^2-1354*x+52)/(26*x^3-677*x^2+52*x-1)$  lgdogf]  
A215596 11.1128 [  $-(-4*x^3-x^2-1)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A215597 11.0299 [  $-(4*x^3+4*x^2+3*x+4)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A215598 10.9174 [  $-(-4*x^3+3*x^2-8*x+3)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A215600 12.6232 [  $-(8*x^3+8*x^2+6*x+8)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A215602 12.7293 [  $-(-2*x^4+2*x^3-12*x^2+12*x+3)/(-2*x^5+5*x^4+5*x-2)$  lgdogf]  
A215602 17.1115 [  $(2*x^2-x+2)/(x^2-3*x+1)/(x+1)$  ogf]  
A215602 9.23717 [  $\{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 2, a(1) = 3, a(2) = 12\}$ , ogf]  
A215626 5.70352 [  $(x^6-7*x^5+15*x^4-4*x^3-19*x^2+14*x+1)/(x-1)^8$  ogf]  
A215627 5.03949 [  $-(5*x^6-28*x^5+53*x^4-27*x^3-24*x^2+21*x+1)/(x-1)^9$  ogf]  
A215628 4.40267 [  $-(4*x^7-34*x^6+110*x^5-161*x^4+83*x^3+30*x^2-32*x-1)/(x-1)^{10}$  ogf]  
A215634 5.18882 [  $\{-a(n+3)-6*a(n+2)-9*a(n+1)-3*a(n), a(0) = 3, a(1) = -6, a(2) = 18\}$ , ogf]  
A215634 9.45705 [  $3*(x+1)*(3*x+1)/(3*x^3+9*x^2+6*x+1)$  ogf]  
A215635 6.59168 [  $3*(2*x+1)*(3*x+1)*(x+1)*(x^2+4*x+1)/(2*x^2+4*x+1)/(x^4+16*x^3+20*x^2+8*x+1)$  ogf]  
A215636 7.66853 [  $-3*x^3*(x+1)*(3*x+1)/(2*x^2+4*x+1)/(x^4+16*x^3+20*x^2+8*x+1)$  ogf]  
A215646 11.1407 [  $x*(x^2+7*x+3)/(x-1)^4$  ogf]  
A215646 12.3223 [  $-(2*x^2+23*x+19)/(x^3+6*x^2-4*x-3)$  lgdogf]  
A215646 4.08679 [  $\{(9+3*n)*a(n+4)+(-11+4*n)*a(n+3)+(-29-6*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 19, a(3) = 59\}$ , ogf]  
A215661 13.5530 [  $-(-2*x^3-x^2+x)/(-2*x-1)$  revogf]  
A215664 13.7728 [  $-3*(x-1)*(x+1)/(x^3-3*x^2+1)$  ogf]  
A215664 7.84900 [  $\{-a(n+3)+3*a(n+1)-a(n), a(0) = 3, a(1) = 0, a(2) = 6\}$ , ogf]  
A215664 9.12446 [  $-(x^4-3*x^2+4*x)/(x^5-3*x^4-x^3+4*x^2-1)$  lgdogf]  
A215665 13.4835 [  $-3*(x+1)*x/(x^3-3*x^2+1)$  ogf]  
A215665 7.68414 [  $\{-a(n+3)+3*a(n+1)-a(n), a(0) = 0, a(1) = -3, a(2) = -3\}$ , ogf]  
A215665 9.92535 [  $-(-2*x^3+6*x+1)/(-x^4+2*x^3+3*x^2-x-1)$  lgdogf]  
A215666 13.3263 [  $3*x*(2*x-1)/(x^3-3*x^2+1)$  ogf]  
A215666 7.59457 [  $\{-a(n+3)+3*a(n+1)-a(n), a(0) = 0, a(1) = -3, a(2) = 6\}$ , ogf]  
A215666 8.82869 [  $-(4*x^3-9*x^2+6*x-2)/(2*x^4-7*x^3+3*x^2+2*x-1)$  lgdogf]  
A215687 3.81319 [  $\{(2210*n^2+14137*n+19434)*a(n+1)+(-7834*n^2-47089*n-65616)*a(n+2)+(5624*n^2+19296*n+16096)*a(n+3), a(0) = 0, a(1) = 16, a(2) = 174\}$ , ogf]  
A215687 8.47827 [  $-2*x*(3*x^3-10*x^2+47*x+8)/(x-1)^5$  ogf]  
A215687 9.16043 [  $-(-6*x^3+21*x^2-168*x-87)/(-3*x^4+13*x^3-57*x^2+39*x+8)$  lgdogf]  
A215688 5.06326 [  $-4*x*(8*x^6-41*x^5+105*x^4+181*x^3+1925*x^2+1419*x+48)/(x-1)^7$  ogf]  
A215694 16.0440 [  $-(3*x^2-3*x+1)/(x^3-6*x^2+5*x-1)$  ogf]  
A215694 8.73828 [  $\{a(n+3)-5*a(n+2)+6*a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
A215694 9.88573 [  $-(3*x^4-6*x^3+6*x^2-6*x+2)/(3*x^5-21*x^4+34*x^3-24*x^2+8*x-1)$  lgdogf]  
A215695 15.3685 [  $- (4*x-1)*(x-1)/(x^3-6*x^2+5*x-1)$  ogf]  
A215695 8.44576 [  $\{a(n+3)-5*a(n+2)+6*a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = -2\}$ , ogf]  
A215695 9.56611 [  $- (4*x^4-10*x^3+13*x^2-4*x)/(4*x^5-29*x^4+51*x^3-35*x^2+10*x-1)$  lgdogf]  
A215704 14.0612 [  $(3*\ln(x+1)+1)*(x+1)^2$  lgdegf]  
A215704 33.5599 [  $(3*\ln(x+1)+1)*(x+1)^2$  lgdegf]  
A215706 13.9690 [  $(4*\ln(x+1)+1)*(x+1)^3$  lgdegf]  
A215706 33.3447 [  $(4*\ln(x+1)+1)*(x+1)^3$  lgdegf]



A215716 12.0716  $[-(x^3+x^2+x+1)/(x^5-1) \text{ lgdegf}]$   
A215716 7.95932  $[-(11*x^{10}-55*x^5+50)/(x-1)/(6*x^{10}-45*x^5+50) \text{ egf}]$   
A215718 4.53770  $[(4*x^{13}-28*x^{12}-28*x^{11}-28*x^{10}-28*x^9+56*x^8+56*x^7-56*x^6-147*x-147)/(24*x^{13}-63*x^9+91*x^7-56*x^6+147*x^2-147) \text{ egf}]$   
A215718 9.61275  $[-(x^5+x^4+x^3+x^2+x+1)/(x^7-1) \text{ lgdegf}]$   
A215773 11.6898  $[-(-40*x^2-40*x-25)/(-8*x^3+4*x^2+x+3) \text{ lgdogf}]$   
A215773 3.89661  $[\{(-9-3*n)*a(n+4)+(23-n)*a(n+3)+(36-4*n)*a(n+2)+(40+8*n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 25, a(3) = 120\}, \text{ ogf}]$   
A215773 7.75463  $[-x*(8*x^2+4*x+3)/(x-1)^7 \text{ ogf}]$   
A215774 3.63860  $[\{(-6307*n^2-97729*n-359322)*a(n+1)+(11504*n^2+87304*n-105556)*a(n+2)+(-5197*n^2+1545*n+23878)*a(n+3), a(0) = 0, a(1) = 12, a(2) = 127\}, \text{ ogf}]$   
A215774 5.77251  $[-x*(43*x^3+31*x^2+19*x+12)/(x-1)^9 \text{ ogf}]$   
A215774 8.34504  $[-(258*x^3+346*x^2+214*x+127)/(43*x^4-12*x^3-12*x^2-7*x-12) \text{ lgdogf}]$   
A215784 9.67861  $[-(3*x+1)*(x^2+x-1)/(3*x^4-16*x^2+1) \text{ ogf}]$   
A215785 6.37801  $[-(2*x^5-2*x^4+43*x^3+19*x^2-5*x-1)/(2*x^6+99*x^4-61*x^2+1) \text{ ogf}]$   
A215786 3.88255  $[-(112*x^7-252*x^6-2092*x^5-30*x^4-428*x^3-162*x^2+5*x+1)/(140*x^8-3336*x^6-3439*x^4+272*x^2-1) \text{ ogf}]$   
A215794 5.01260  $[\{-a(n+3)+21*a(n+2)-35*a(n+1)+7*a(n), a(0) = -1, a(1) = -31, a(2) = -609\}, \text{ ogf}]$   
A215794 9.16366  $[-(7*x^2-10*x-1)/(7*x^3-35*x^2+21*x-1) \text{ ogf}]$   
A215814 5.93252  $[\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 2481403, a(1) = 2480911, a(2) = 2601451\}, \text{ ogf}]$   
A215814 7.27573  $[-(-2602927*x^2+4720742*x-2480911)/(-2602927*x^3+7566225*x^2-7444701*x+2481403) \text{ lgdogf}]$   
A215814 9.76237  $[-(2602927*x^2-4963298*x+2481403)/(x-1)^3 \text{ ogf}]$   
A215817 6.19573  $[-(2*x-1)*(6*x^4-40*x^3+58*x^2-24*x+3)/(x^6-24*x^5+86*x^4-104*x^3+53*x^2-12*x+1) \text{ ogf}]$   
A215827 8.08570  $[(3*x^6+962*x^5+8707*x^4+11942*x^3+3545*x^2+352*x+4)/(x-1)^2 \text{ ogf}]$   
A215828 6.43849  $[(x^8-5*x^7+25*x^6+6*x^5-22*x^4+62*x^3-3*x^2-x-3)/(x^9+25*x^6+31*x^3-1) \text{ ogf}]$   
A215829 10.7429  $[3*(3*x+1)*(x-1)/(3*x^3+9*x^2-3*x-1) \text{ ogf}]$   
A215829 5.79927  $[\{-a(n+3)-3*a(n+2)+9*a(n+1)+3*a(n), a(0) = 3, a(1) = -3, a(2) = 27\}, \text{ ogf}]$   
A215829 6.48829  $[-(9*x^4-12*x^3-18*x^2-12*x+1)/(9*x^5+21*x^4-30*x^3-6*x^2+5*x+1) \text{ lgdogf}]$   
A215831 6.38901  $[(3*x^8-11*x^7+35*x^6-30*x^5-26*x^4-22*x^3-9*x^2+x-1)/(x^9+105*x^6-33*x^3-1) \text{ ogf}]$   
A215862 10.9683  $[x*(x-4)/(x-1)^5 \text{ ogf}]$   
A215862 16.7882  $[-(-4*x+19)/(-x^2+5*x-4) \text{ lgdogf}]$   
A215862 5.44781  $[\{(-8-4*n)*a(n+3)+(24+5*n)*a(n+2)+(-4-n)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 19\}, \text{ ogf}]$   
A215863 12.4261  $[-(-30*x^2+135)/(-6*x^3+8*x^2+17*x-19) \text{ lgdogf}]$   
A215863 3.92084  $[\{(-57-19*n)*a(n+4)+(169+17*n)*a(n+3)+(8+8*n)*a(n+2)+(-30-6*n)*a(n+1), a(0) = 0, a(1) = 19, a(2) = 135, a(3) = 540\}, \text{ ogf}]$   
A215863 7.91857  $[x*(6*x^2-2*x-19)/(x-1)^7 \text{ ogf}]$   
A215864 5.83762  $[x*(7*x^3+59*x^2-34*x-137)/(x-1)^9 \text{ ogf}]$   
A215864 8.25961  $[-(42*x^3+434*x^2-154*x-1267)/(7*x^4+52*x^3-93*x^2-103*x+137) \text{ lgdogf}]$   
A215865 4.19428  $[-x*(194*x^4-713*x^3-5*x^2+113*x+1356)/(x-1)^{11} \text{ ogf}]$   
A215866 9.87121  $[-(x-1)*(2*x^2+6*x+1)/(3*x^4-16*x^2+1) \text{ ogf}]$   
A215867 6.24641  $[-(2*x^5+28*x^4+43*x^3+32*x^2-5*x-1)/(2*x^6+99*x^4-61*x^2+1) \text{ ogf}]$   
A215868 3.96650  $[-(120*x^7-252*x^6-566*x^5-30*x^4-807*x^3-162*x^2+14*x+1)/(140*x^8-3336*x^6-3439*x^4+272*x^2-1) \text{ ogf}]$   
A215877 5.83956  $[-x*(x^2-4*x+1)*(2*x-1)^2/(x^6-24*x^5+86*x^4-104*x^3+53*x^2-12*x+1) \text{ ogf}]$

A215878 14.9951 [  $-10*(3*x^2+2*x+1)/(6*x^2-1)/(x^2+1)$  ogf]  
A215878 7.43558 [  $-(36*x^5+36*x^4+24*x^3+10*x^2+16*x+2)/(18*x^6+12*x^5+21*x^4+10*x^3+2*x^2-2*x-1)$  lgdogf]  
A215885 10.3234 [  $-(4*x^3-3*x^2+1)/(2*x^4-x^3-6*x^2+5*x-1)$  lgdogf]  
A215885 17.4351 [  $-3*(2*x-1)/(x^3-3*x+1)$  ogf]  
A215885 8.34661 [  $\{a(n+3)-3*a(n+2)+a(n), a(0) = 3, a(1) = 3, a(2) = 9\}$ , ogf]  
A215898 6.12402 [  $-(x^2+x+1)*(x^4-2*x^3+4*x^2-2*x+1)/(x-1)/(x+1)^2/(x^2+1)^2$  ogf]  
A215915 9.23496 [  $-(-2*x^9+x^8+3*x^7+x^6-3*x^4-x^3+x+1)/(-3*x^{10}+2*x^9+4*x^8-x^6-4*x^5+x^3+x^2+x-1)$  lgdegf]  
A215917 14.2596 [  $-3*x*(x+2)/(x^3-3*x-1)$  ogf]  
A215917 7.43317 [  $\{-a(n+3)-3*a(n+2)+a(n), a(0) = 0, a(1) = 6, a(2) = -15\}$ , ogf]  
A215917 9.19366 [  $-(2*x^3+6*x^2-5)/(x^4+2*x^3-3*x^2-7*x-2)$  lgdogf]  
A215919 15.1649 [  $-3*x*(x-1)/(x^3-3*x-1)$  ogf]  
A215919 7.90512 [  $\{-a(n+3)-3*a(n+2)+a(n), a(0) = 0, a(1) = -3, a(2) = 12\}$ , ogf]  
A215919 9.77738 [  $-(-2*x^3+3*x^2-4)/(-x^4+x^3+3*x^2-2*x-1)$  lgdogf]  
A215928 13.1698 [  $-(-x^2-1)/(x^4+3*x^3-3*x+1)$  lgdogf]  
A215928 14.9092 [  $(x^2+x-1)/(x^2+2*x-1)$  ogf]  
A215928 7.74695 [  $\{a(n+3)-2*a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]  
A215931 15.3908 [  $(-3*x+(4*x^2+1)^{1/2})^x$  revogf]  
A215931 4.05912 [  $\{(-16*n^2-64*n-60)*a(n+1)+(12*n^2+66*n+90)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 16\}$ , ogf]  
A215936 13.4052 [  $-(x^2+3*x+1)/(x^2-2*x-1)$  ogf]  
A215936 7.03443 [  $\{a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 0\}$ , ogf]  
A215936 9.86774 [  $-(5*x^2+4*x+1)/(x^4+x^3-6*x^2-5*x-1)$  lgdogf]  
A215945 4.41481 [  $\{a(n+3)-33*a(n+2)+27*a(n+1)-3*a(n), a(0) = -3, a(1) = -105, a(2) = -3387\}$ , ogf]  
A215945 6.25431 [  $-(-3*x^3-9*x^2+87*x-35)/(-3*x^4+24*x^3-6*x^2-32*x+1)$  lgdogf]  
A215945 8.33908 [  $3*(x+1)^2/(3*x^3-27*x^2+33*x-1)$  ogf]  
A215948 10.3303 [  $-3*(9*x^2-22*x+1)/(3*x^3-27*x^2+33*x-1)$  ogf]  
A215948 5.69043 [  $\{-a(n+3)+33*a(n+2)-27*a(n+1)+3*a(n), a(0) = 3, a(1) = 33, a(2) = 1035\}$ , ogf]  
A215948 6.04929 [  $-(-27*x^4+132*x^3-306*x^2+36*x-11)/(-27*x^5+309*x^4-894*x^3+762*x^2-55*x+1)$  lgdogf]  
A215960 4.60625 [  $-2*(x^6+1086*x^5+30339*x^4+129844*x^3+129879*x^2+30318*x+1093)/(x-1)^7$  ogf]  
A215973 8.77936 [  $-1/2*x^2+x+1/2-1/2*(x^4-4*x^3+6*x^2+1)^{1/2}$  revogf]  
A216034 5.77827 [  $-(x^8+3*x^7+11*x^6+26*x^5-10*x^4+70*x^3-11*x^2-x-1)/(x^9-33*x^6-105*x^3+1)$  ogf]  
A216046 14.1493 [  $-(-2*x^2+2)/(x^4+x^2+1)$  ogf\_with\_Euler\_transform]  
A216073 12.1676 [  $(x+1)*(x^2+6*x+1)/(x^4-10*x^2+1)$  ogf]  
A216099 5.65794 [  $\{-a(n+4)+10*a(n+3), a(0) = 4, a(1) = 20, a(2) = 100, a(3) = 500\}$ , ogf]  
A216099 6.20548 [  $-(2500*x^3-125*x^2-50*x+5)/(-1250*x^4-125*x^3-25*x^2+15*x-1)$  lgdogf]  
A216099 9.78153 [  $4*(125*x^3+25*x^2+5*x-1)/(10*x-1)$  ogf]  
A216100 5.12847 [  $-(91*x^9+81*x^8+71*x^7+61*x^6+51*x^5+41*x^4+31*x^3+21*x^2+11*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A216106 9.17858 [  $-4*(16*x^2-67*x-24)/(x-1)^4$  ogf]  
A216106 9.17858 [  $-(-32*x^2+169*x+163)/(-16*x^3+83*x^2-43*x-24)$  lgdogf]  
A216107 8.19868 [  $-4*(34*x^3-71*x^2+220*x+42)/(x-1)^5$  ogf]  
A216107 8.19868 [  $-(-68*x^3+111*x^2-738*x-430)/(-34*x^4+105*x^3-291*x^2+178*x+42)$  lgdogf]  
A216108 8.59747 [  $-9*(5*x^2-10*x-3)/(x-1)^4$  ogf]  
A216108 9.10321 [  $-(-10*x^2+20*x+22)/(-5*x^3+15*x^2-7*x-3)$  lgdogf]  
A216109 7.48987 [  $-(-66*x^3+165*x^2-180*x-159)/(-33*x^4+121*x^3-177*x^2+75*x+14)$  lgdogf]  
A216109 7.57041 [  $-3*(33*x^3-88*x^2+89*x+14)/(x-1)^5$  ogf]  
A216110 8.86228 [  $-9*(x^2-10*x-3)/(x-1)^4$  ogf]  
A216110 9.39137 [  $-(-2*x^2+28*x+22)/(-x^3+11*x^2-7*x-3)$  lgdogf]  
A216111 7.94846 [  $-3*(9*x^3-4*x^2+89*x+14)/(x-1)^5$  ogf]

A216111 8.12509 [  $[-(-18*x^3-15*x^2-348*x-159)/(-9*x^4+13*x^3-93*x^2+75*x+14)$   
lgdogf]  
A216112 8.78643 [  $9*(x+3)*(3*x+1)/(x-1)^4$  ogf]  
A216112 9.58520 [  $[-(6*x^2+36*x+22)/(3*x^3+7*x^2-7*x-3)$  lgdogf]  
A216113 8.13330 [  $3*(3*x^3-92*x^2-89*x-14)/(x-1)^5$  ogf]  
A216113 8.40746 [  $[-(-6*x^3+267*x^2+540*x+159)/(-3*x^4+95*x^3-3*x^2-75*x-14)$   
lgdogf]  
A216114 10.8038 [  $[-(-14*x^2+28*x+34)/(-7*x^3+21*x^2-9*x-5)$  lgdogf]  
A216114 3.46537 [  $\{( -5*n-20)*a(n+4)+(7-9*n)*a(n+3)+(70+21*n)*a(n+2)+(-21-7*n)*a(n$   
 $+1), a(0) = 500, a(1) = 3400, a(2) = 9900, a(3) = 21200\}$ , ogf]  
A216114 9.66657 [  $-100*(7*x^2-14*x-5)/(x-1)^4$  ogf]  
A216115 8.58889 [  $-20*(98*x^3-265*x^2+296*x+51)/(x-1)^5$  ogf]  
A216115 8.85729 [  $[-(-196*x^3+501*x^2-654*x-551)/(-98*x^4+363*x^3-561*x^2+245*x$   
 $+51)$  lgdogf]  
A216119 15.0767 [  $-(-3*x+15)/(-x^2+5*x-4)$  lgdegf]  
A216119 6.10545 [  $\{(-2+n)*a(n+1)+(-n^2-2*n)*a(n), a(0) = 0, a(1) = 0, a(2) = 0,$   
 $a(3) = 2\}$ , ogf]  
A216119 9.98323 [  $-1/12*x^3*(x-4)/(x-1)^4$  egf]  
A216122 5.63741 [  $-6*(2112*x^4+10912*x^3-126044*x^2+14464*x+15783)/(x-1)/$   
 $(4*x-1)^2/(2*x-1)^2$  ogf]  
A216123 3.77248 [  $-3*(81408*x^6+1294464*x^5+4778592*x^4+5101816*x^3-6182940*x^2+879018*x+219113)/$   
 $(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A216125 14.7969 [  $-(600*x^4+120*x^3+24*x^2+5*x+1)/(x-1)/(x+1)$  ogf]  
A216125 9.16619 [  $\{-a(n+5)+a(n+3), a(0) = 1, a(1) = 5, a(2) = 25, a(3) = 125,$   
 $a(4) = 625\}$ , ogf]  
A216126 8.70512 [  $-5*(1600*x^6+1120*x^5+624*x^4+125*x^3+25*x^2+5*x+1)/(x-1)/(x$   
 $+1)/(x^2+1)$  ogf]  
A216134 8.60427 [  $x*(x^3+x^2-3*x-1)/(x-1)/(x^2+2*x-1)/(x^2-2*x-1)$  ogf]  
A216156 13.9460 [  $10*(5*x-1)/(10*x-1)$  ogf]  
A216156 14.6800 [  $-5/(-50*x^2+15*x-1)$  lgdogf]  
A216156 7.43788 [  $\{a(n+2)-10*a(n+1), a(0) = 10, a(1) = 50\}$ , ogf]  
A216162 6.37777 [  $(x^9-2*x^8+x^7-2*x^6-3*x^5+5*x^4-x^3-1)/(x-1)/(x+1)/$   
 $(x^4+2*x^2-1)/(x^4-2*x^2-1)$  ogf]  
A216164 5.20311 [  $\{-a(n+5)+10*a(n+4), a(0) = 4, a(1) = 4, a(2) = 20, a(3) = 100,$   
 $a(4) = 500\}$ , ogf]  
A216164 8.72287 [  $4*(125*x^4+25*x^3+5*x^2+9*x-1)/(10*x-1)$  ogf]  
A216172 11.2635 [  $-x^2/(x^2+x+1)/(x-1)^5$  ogf]  
A216172 15.8123 [  $-(-7*x^2-4*x-4)/(-x^3+1)$  lgdogf]  
A216172 32.6954 [  $[x^2+4]$  ogf\_with\_Euler\_transform]  
A216172 5.07555 [  $\{(-n-6)*a(n+1)-4*a(n+2)-4*a(n+3)+(n+2)*a(n+4), a(0) = 0, a(1) =$   
 $0, a(2) = 1, a(3) = 4\}$ , ogf]  
A216173 8.13272 [  $[-(-10*x^4-14*x^3-19*x^2-12*x-5)/(-2*x^5-x^4-x^3+2*x^2+x+1)$   
lgdogf]  
A216173 8.74486 [  $-(2*x^2+x+1)/(x^2+x+1)/(x-1)^5$  ogf]  
A216175 7.99866 [  $-(3*x^3+4*x^2+3*x+1)/(x+1)/(x^2+x+1)/(x-1)^5$  ogf]  
A216178 12.7884 [  $(3*x^3-x-4)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A216179 13.8809 [  $-(40*x-13)/(10*x-1)/(x-1)$  ogf]  
A216179 7.81800 [  $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 13, a(1) = 103\}$ , ogf]  
A216179 8.83332 [  $-(-400*x^2+260*x-103)/(-400*x^3+570*x^2-183*x+13)$  lgdogf]  
A216212 11.0070 [  $(x^2-x-1)^2/(5*x^4-5*x^2+1)$  ogf]  
A216212 8.11625 [  $[-(-10*x^4-10*x^3+6*x+2)/(5*x^6-5*x^5-10*x^4+5*x^3+6*x^2-x-1)$   
lgdogf]  
A216239 16.7063 [  $-(-2*x^3+2*x^2-5*x-4)/(-2*x^3+4*x^2-5*x+3)$  lgdegf]  
A216239 9.83122 [  $-(-2*x^3+2*x^2-5*x-4)/(-2*x^3+4*x^2-5*x+3)$  lgdegf]  
A216243 10.5899 [  $(x^2+7*x-4)/(x^2-3*x+1)/(x-1)/(x+1)$  ogf]  
A216257 10.1446 [  $- (110801*x^2-195982*x+86861)/(x-1)^3$  ogf]  
A216257 6.13585 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 86861, a(1) = 64601,$   
 $a(2) = 44021\}$ , ogf]  
A216257 7.84376 [  $-(-110801*x^2+170362*x-64601)/(-110801*x^3+306783*x^2-282843*x$   
 $+86861)$  lgdogf]

A216261 5.12725 [ $(28x^{16}-28x^{15}-60x^{12}+60x^{11}+28x^{10}+28x^9-56x^8-2x^7+2x^6+8x^5-2x^4-2x^3-3x^2+6x+1)/(x-1)/(10x^7-1)$  ogf]  
A216263 12.8791 [ $-(6x^2-18x+6)/(2x^3-9x^2+6x-1)$  lgdogf]  
A216263 22.6255 [ $-1/(2x-1)/(x^2-4x+1)$  ogf]  
A216263 7.40835 [ $\{a(n+3)-6a(n+2)+9a(n+1)-2a(n), a(0) = 1, a(1) = 6, a(2) = 27\}$ , ogf]  
A216271 15.5464 [ $(x-1)/(2x-1)/(x^2-4x+1)$  ogf]  
A216271 7.29168 [ $\{-a(n+3)+6a(n+2)-9a(n+1)+2a(n), a(0) = 1, a(1) = 5, a(2) = 21\}$ , ogf]  
A216271 9.80905 [ $-(-4x^3+15x^2-18x+5)/(-2x^4+11x^3-15x^2+7x-1)$  lgdogf]  
A216314 14.2069 [ $-(-2x^3-2x^2+x)/(-x-1)$  revogf]  
A216316 15.8081 [ $-(-8x-2)/(-8x^2-7x+1)$  lgdogf]  
A216316 31.0936 [ $-(-8x-2)/(-8x^2-7x+1)$  lgdogf]  
A216316 4.95941 [ $\{(n+3)a(n+3)+(-16-7n)a(n+2)+(-16-8n)a(n+1), a(0) = 1, a(1) = 2, a(2) = 13\}$ , ogf]  
A216317 15.1549 [ $-(-4x-1)/(-8x^2-7x+1)$  lgdogf]  
A216317 29.7872 [ $-(-4x-1)/(-8x^2-7x+1)$  lgdogf]  
A216317 4.78575 [ $\{(n+3)a(n+3)+(-15-7n)a(n+2)+(-12-8n)a(n+1), a(0) = 1, a(1) = 1, a(2) = 6\}$ , ogf]  
A216318 3.81717 [ $\{(-32n^3-24n^2-4n)a(n+1)+(-164n^3-1116n^2-2380n-1440)a(n+2)+(43n^3+303n^2+614n+360)a(n+3), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A216357 13.9801 [ $-(-48x-2)/(-64x^2-12x+1)$  lgdogf]  
A216357 25.9630 [ $-(-48x-2)/(-64x^2-12x+1)$  lgdogf]  
A216357 4.57041 [ $\{(n+3)a(n+3)+(-26-12n)a(n+2)+(-112-64n)a(n+1), a(0) = 1, a(1) = 2, a(2) = 38\}$ , ogf]  
A216358 15.6618 [ $-(-32x^2+212x+2)/(-32x^3+353x^2+21x-1)$  lgdogf]  
A216358 3.27760 [ $\{(-n-4)a(n+4)+(65+21n)a(n+3)+(918+353n)a(n+2)+(-64-32n)a(n+1), a(0) = 1, a(1) = 2, a(2) = 129, a(3) = 2258\}$ , ogf]  
A216358 9.64814 [ $-(-32x^2+212x+2)/(-32x^3+353x^2+21x-1)$  lgdogf]  
A216406 13.5906 [ $-(-4x^2-6x-4)/(-x^4+2x^2-1)$  ogf\_with\_Euler\_transform]  
A216414 8.24083 [ $x*(x^3+4x^2+6x+5)/(x-1)/(x+1)^4$  ogf]  
A216441 5.46009 [ $\{(n+3)a(n)+(n+3)a(n+1)-a(n+2), a(0) = 0, a(1) = 0, a(2) = 6, a(3) = 32\}$ , ogf]  
A216447 13.1834 [ $-(-x^4-x^2+x)/(x^4-1)$  revogf]  
A216450 10.2235 [ $-(3x^2+20x+3)/(x^3-3x^2-10x-1)$  ogf]  
A216450 5.60071 [ $\{a(n+3)+10a(n+2)+3a(n+1)-a(n), a(0) = 3, a(1) = -10, a(2) = 94\}$ , ogf]  
A216450 6.13411 [ $-(-3x^4-40x^3+21x^2+12x+10)/(-3x^5-11x^4+87x^3+212x^2+50x+3)$  lgdogf]  
A216466 6.37283 [ $\{(-n-3)a(n+1)+a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 3, a(4) = 8\}$ , ogf]  
A216486 7.19813 [ $-x*(x^4+2x^3-2x^2+1)/(x^6-3x^5-6x^4+4x^3+5x^2-x-1)$  ogf]  
A216491 14.1393 [ $\{a(n+1)-5a(n), a(0) = 12\}$ , ogf]  
A216491 26.7636 [ $5/(-5x+1)$  lgdogf]  
A216491 28.8224 [ $-12/(5x-1)$  ogf]  
A216508 6.77625 [ $-(91x^5-364x^4+468x^3-260x^2+65x-6)/(13x^6-91x^5+182x^4-156x^3+65x^2-13x+1)$  ogf]  
A216540 6.56524 [ $-x^2*(3x-1)*(2x-1)/(13x^6-91x^5+182x^4-156x^3+65x^2-13x+1)$  ogf]  
A216541 4.00787 [ $\{(16n^2+64n+60)a(n+1)+(4n^2+22n+30)a(n+2)+(-n^2-7n-12)a(n+3), a(0) = 1, a(1) = 3, a(2) = 8\}$ , ogf]  
A216541 9.49233 [ $(-1/5x+1/5-1/5*(-4x^2+8x+1)^{1/2})*(x-1)$  revogf]  
A216584 3.93111 [ $\{(-48n^2-192n-180)a(n+1)+(-8n^2-40n-50)a(n+2)+(n^2+6n+9)a(n+3), a(0) = 1, a(1) = 2, a(2) = 18\}$ , ogf]  
A216589 12.6521 [ $-x*(9x^{19}-9x^{10}+10x-11)/(x-1)^2$  ogf]  
A216597 6.26341 [ $-x*(13x^4-26x^3+22x^2-8x+1)/(13x^6-91x^5+182x^4-156x^3+65x^2-13x+1)$  ogf]  
A216605 6.43108 [ $-(3x^5+12x^4-12x^3-20x^2+5x+6)/(x^6-3x^5-6x^4+4x^3+5x^2-x-1)$  ogf]

A216606 10.8378 [  $-(2*x^4+3*x^3+3*x^2-4*x+5)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A216676 7.52825 [  $-(9*x^7+x^6-8*x^5+3*x^4+8*x^3+3*x^2+x+1)/(x-1)/(x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A216688 15.4013 [  $2*\exp(x^2)*x^2+\exp(x^2)$  lgdegf]  
A216688 34.2677 [  $2*\exp(x^2)*x^2+\exp(x^2)$  lgdegf]  
A216689 16.0392 [  $2*\exp(2*x)*x+\exp(2*x)$  lgdegf]  
A216689 39.1190 [  $2*\exp(2*x)*x+\exp(2*x)$  lgdegf]  
A216699 8.45161 [  $-x*(9*x^7+x^6+8*x^5+8*x^4+9*x^3+8*x^2+x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A216702 22.8685 [  $12/(-16*x+1)$  lgdogf]  
A216702 56.1897 [  $12/(-16*x+1)$  lgdogf]  
A216702 6.41173 [  $\{(-n-2)*a(n+2)+(28+16*n)*a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A216703 21.0717 [  $42/(-49*x+1)$  lgdogf]  
A216703 5.90795 [  $\{(-n-2)*a(n+2)+(91+49*n)*a(n+1), a(0) = 1, a(1) = 42\}$ , ogf]  
A216703 51.7550 [  $42/(-49*x+1)$  lgdogf]  
A216704 22.3656 [  $56/(-64*x+1)$  lgdogf]  
A216704 54.9897 [  $56/(-64*x+1)$  lgdogf]  
A216704 6.21266 [  $\{(-n-2)*a(n+2)+(120+64*n)*a(n+1), a(0) = 1, a(1) = 56\}$ , ogf]  
A216705 20.2201 [  $72/(-81*x+1)$  lgdogf]  
A216705 49.6476 [  $72/(-81*x+1)$  lgdogf]  
A216705 5.61669 [  $\{(-n-2)*a(n+2)+(153+81*n)*a(n+1), a(0) = 1, a(1) = 72\}$ , ogf]  
A216706 20.0046 [  $90/(-100*x+1)$  lgdogf]  
A216706 46.8701 [  $90/(-100*x+1)$  lgdogf]  
A216706 5.68939 [  $\{(-n-2)*a(n+2)+(190+100*n)*a(n+1), a(0) = 1, a(1) = 90\}$ , ogf]  
A216710 7.49027 [  $-(x^2-3*x+1)^2/(x^5-15*x^4+35*x^3-28*x^2+9*x-1)$  ogf]  
A216711 12.5464 [  $-(16*x^3-8*x^2+24*x-8)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A216714 10.8841 [  $-(4*x^5-5*x^4-10*x^3+3)/(2*x^6-x^5-4*x^4-2*x^3+4*x^2+x-1)$  lgdogf]  
A216714 15.0588 [  $-x*(x^2-x-1)/(2*x-1)/(x^3+x^2-1)$  ogf]  
A216754 8.00078 [  $-x*(9*x^11+x^10+x^9+7*x^8+9*x^7+4*x^6+x^5+4*x^4+9*x^3+7*x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A216755 5.84281 [  $-(9*x^15+x^14+8*x^13+5*x^12+x^10-7*x^9+2*x^8+2*x^6+7*x^5+x^4+9*x^3+5*x^2+x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8-x^4+1)$  ogf]  
A216757 12.3108 [  $-3*x*(x-1)/(3*x^3-9*x^2+6*x-1)$  ogf]  
A216757 6.26532 [  $\{-a(n+3)+6*a(n+2)-9*a(n+1)+3*a(n), a(0) = 0, a(1) = -3, a(2) = -15\}$ , ogf]  
A216757 8.35376 [  $-(-6*x^3+18*x^2-18*x+5)/(-3*x^4+12*x^3-15*x^2+7*x-1)$  lgdogf]  
A216778 3.21828 [  $\{(n^3+3*n^2+2*n)*a(n)+(n^2+3*n+2)*a(n+1)+(-n^3-3*n^2-n+2)*a(n+2)+(n^2-1)*a(n+3), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 3\}$ , ogf]  
A216779 3.21811 [  $\{(-n^3-3*n^2-2*n)*a(n)+(-n^2-3*n-2)*a(n+1)+(n^3+3*n^2+n-2)*a(n+2)+(-n^2+1)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2, a(4) = 6\}$ , ogf]  
A216786 20.6489 [  $110/(-121*x+1)$  lgdogf]  
A216786 46.4237 [  $110/(-121*x+1)$  lgdogf]  
A216786 6.00695 [  $\{(-n-2)*a(n+2)+(231+121*n)*a(n+1), a(0) = 1, a(1) = 110\}$ , ogf]  
A216787 21.3259 [  $132/(-144*x+1)$  lgdogf]  
A216787 47.9712 [  $132/(-144*x+1)$  lgdogf]  
A216787 6.20390 [  $\{(-n-2)*a(n+2)+(276+144*n)*a(n+1), a(0) = 1, a(1) = 132\}$ , ogf]  
A216788 18.6384 [  $156/(-169*x+1)$  lgdogf]  
A216788 41.8480 [  $156/(-169*x+1)$  lgdogf]  
A216788 5.42207 [  $\{(-n-2)*a(n+2)+(325+169*n)*a(n+1), a(0) = 1, a(1) = 156\}$ , ogf]  
A216796 5.84341 [  $-2*x*(2*x-1)*(2*x^3-6*x^2-2*x+3)/(x-1)/(8*x^5-22*x^4-15*x^3+13*x^2+3*x-1)$  ogf]  
A216797 6.34229 [  $-2*x*(636*x^6-536*x^4+99*x^2-5)/(1728*x^8-1862*x^6+524*x^4-49*x^2+1)$  ogf]  
A216801 5.16729 [  $-(52*x^5-520*x^4+689*x^3-299*x^2+48*x-2)/(13*x^6-91*x^5+182*x^4-156*x^3+65*x^2-13*x+1)$  ogf]  
A216844 11.9102 [  $-2*(5*x^3-3*x^2-x+1)/(x+1)/(x-1)^3$  ogf]  
A216844 8.68450 [  $-(-5*x^4-4*x^3-6*x^2+4*x-1)/(-5*x^5+3*x^4+6*x^3-4*x^2-x+1)$  lgdogf]  
A216852 11.3335 [  $-9*(5*x^3-3*x^2-x+1)/(x+1)/(x-1)^3$  ogf]

A216852 8.38209  $[-(-5*x^4-4*x^3-6*x^2+4*x-1)/(-5*x^5+3*x^4+6*x^3-4*x^2-x+1)$   
lgdogf]  
A216853 11.0605  $[-(17*x^3-11*x^2+19*x-7)/(x+1)/(x-1)^3$  ogf]  
A216853 7.73162  $[-(-17*x^4-12*x^3-86*x^2+12*x-5)/$   
 $(-17*x^5+11*x^4-2*x^3-4*x^2+19*x-7)$  lgdogf]  
A216861 5.56838  $[-x*(26*x^4-84*x^3+57*x^2-17*x+2)/$   
 $(13*x^6-91*x^5+182*x^4-156*x^3+65*x^2-13*x+1)$  ogf]  
A216865 11.2793  $[-8*(5*x^3-3*x^2-x+1)/(x+1)/(x-1)^3$  ogf]  
A216865 8.34199  $[-(-5*x^4-4*x^3-6*x^2+4*x-1)/(-5*x^5+3*x^4+6*x^3-4*x^2-x+1)$   
lgdogf]  
A216871 11.2831  $[-4*(5*x^3-3*x^2+3*x-1)/(x+1)/(x-1)^3$  ogf]  
A216871 5.84447  $[{(n+2)*a(n+1)-a(n+3)*n+2*a(n+2), a(0) = -4, a(1) = 4, a(2) =$   
 $-4, a(3) = 20},$  ogf]  
A216871 8.37507  $[-(5*x^4+4*x^3+18*x^2-4*x+1)/(5*x^5-3*x^4-2*x^3+2*x^2-3*x+1)$   
lgdogf]  
A216875 11.2867  $[-10*(5*x^3-3*x^2-x+1)/(x+1)/(x-1)^3$  ogf]  
A216875 8.58262  $[-(-5*x^4-4*x^3-6*x^2+4*x-1)/(-5*x^5+3*x^4+6*x^3-4*x^2-x+1)$   
lgdogf]  
A216876 11.0605  $[-5*(5*x^3-3*x^2+3*x-1)/(x+1)/(x-1)^3$  ogf]  
A216876 5.72919  $[{(n+2)*a(n+1)-a(n+3)*n+2*a(n+2), a(0) = -5, a(1) = 5, a(2) =$   
 $-5, a(3) = 25},$  ogf]  
A216876 8.20987  $[-(5*x^4+4*x^3+18*x^2-4*x+1)/(5*x^5-3*x^4-2*x^3+2*x^2-3*x+1)$   
lgdogf]  
A216938 4.67665  $[-(x^3-4*x^2+6*x-5)*(x^4-4*x^3+6*x^2-3*x+2)/(x-1)^8$  ogf]  
A216949 12.3493  $[-(7*x^2-6*x+1)/(x^3-11*x^2+7*x-1)$  ogf]  
A216949 6.77570  $[{-a(n+3)+7*a(n+2)-11*a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) =$   
 $3},$  ogf]  
A216949 7.43353  $[-(7*x^4-12*x^3+20*x^2-8*x+1)/$   
 $(7*x^5-83*x^4+116*x^3-60*x^2+13*x-1)$  lgdogf]  
A216972 8.66287  $[x*(x^6-2*x^5+3*x^4+4*x^3+3*x^2+2*x+1)/(x-1)^2/(x+1)^2/$   
 $(x^2+1)^2$  ogf]  
A216985 13.6693  $[-2*x/(x^3-9*x^2+7*x-1)$  ogf]  
A216985 5.49212  $[{a(n+3)-7*a(n+2)+9*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 14},$   
ogf]  
A216985 9.46334  $[-(3*x^2-18*x+7)/(x^3-9*x^2+7*x-1)$  lgdogf]  
A216995 6.24974  $[-11*(100*x^17-108*x^8-9*x^7-9*x^6-9*x^5-9*x^4-9*x^3-9*x^2-9*x-19)/(x^2+x+1)/$   
 $(x^6+x^3+1)/(x-1)^2$  ogf]  
A217022 5.74856  $[-(x^5-2*x^4-8*x^3+20*x^2-7*x-1)/(x^3+3*x^2-1)/$   
 $(x^3-6*x^2+9*x-1)$  ogf]  
A217052 11.8845  $[(2*x+1)*(4*x-1)/(x^3+24*x^2+3*x-1)$  ogf]  
A217052 6.46351  $[{a(n+3)-3*a(n+2)-24*a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) =$   
 $19},$  ogf]  
A217052 7.22392  $[-(8*x^4+4*x^3+21*x^2-32*x-1)/(8*x^5+194*x^4+71*x^3-26*x^2-5*x$   
 $+1)$  lgdogf]  
A217053 11.3670  $[(x+2)*(x-1)/(x^3+24*x^2+3*x-1)$  ogf]  
A217053 6.18208  $[{a(n+3)-3*a(n+2)-24*a(n+1)-a(n), a(0) = 2, a(1) = 5, a(2) =$   
 $62},$  ogf]  
A217053 6.97779  $[-(x^4+2*x^3+15*x^2-94*x-5)/(x^5+25*x^4+25*x^3-46*x^2-7*x+2)$   
lgdogf]  
A217067 19.7234  $[-(x^3+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A217069 12.4338  $[-x*(x+2)/(x^3+24*x^2+3*x-1)$  ogf]  
A217069 6.43896  $[{a(n+3)-3*a(n+2)-24*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 7},$   
ogf]  
A217069 8.58527  $[-(-2*x^3-30*x^2-96*x-7)/(-x^4-26*x^3-51*x^2-5*x+2)$  lgdogf]  
A217093 13.2145  $[-(-x^2+3*x-3)/(-x^3+3*x^2-3*x+1)$  ogf\_with\_Euler\_transform]  
A217094 10.5215  $[-(189*x^2-38*x+2)/(x-1)/(9*x-1)/(10*x-1)$  ogf]  
A217094 6.11506  $[{-a(n+3)+20*a(n+2)-109*a(n+1)+90*a(n), a(0) = 2, a(1) = 2, a(2) =$   
 $11},$  ogf]  
A217096 11.8615  $[-(-x^10+x^9)/(x^91+x-1)$  ogf\_with\_Euler\_transform]  
A217096 4.87758  $[(x^91+x^81+2*x^11-x^10-x^9+x-1)/(x^81-2*x^21+x^20+x^19+x^11-$

$x^9+x-1$ ) ogf]  
A217100 4.36784 [  $-(14x^{15}-7x^{13}-12x^{12}+8x^{10}+13x^9-x^8-8x^7-13x^6+8x^4-x^3-x^2-2x-1)/(x-1)/(x^2+1)/(x^2+x+1)/(2x^2-1)/(x^4-x^2+1)$  ogf]  
A217110 5.43085 [  $3265920x^9/(x-1)/(6x-1)/(4x-1)/(3x-1)/(9x-1)/(2x-1)/(8x-1)/(7x-1)/(5x-1)/(10x-1)$  ogf]  
A217123 6.77873 [  $(x^7-2x^6-x^5+2x^4-x^3+x-2)/(x^2+1)/(x+1)/(x-1)^3$  ogf]  
A217193 5.19617 [  $-(4x^8-23x^7+53x^6-60x^5+32x^4+49x^3+77x^2-18x+6)/(x-1)^7$  ogf]  
A217194 12.7127 [  $-(4x^2+x-2)/(4x^3-2x^2-2x+1)$  ogf\_with\_Euler\_transform]  
A217200 7.51095 [  $-(2x^4-6x^3+48x^2+10x+6)/(x^6-4x^5+6x^4+10x^3-17x^2+6x-2)$  lgdogf]  
A217200 7.79984 [  $-(x^5-3x^4+3x^3+13x^2-4x+2)/(x-1)^5$  ogf]  
A217213 6.69023 [  $\{(-4n^2+2n)*a(n)+(n^2-n-2)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 4\}$ , ogf]  
A217213 8.99000 [  $(-3/(-1+4x)^{3/2}*(30x^2-11x+1)+3I)/x/(9x-2)*(-1+4x)^{1/2}$  lgdogf]  
A217214 3.97034 [  $\{(-212n^3-490n^2-192n)*a(n+1)+(121n^3+365n^2+26n-132)*a(n+2)+(-17n^3-55n^2+52n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$ , ogf]  
A217215 3.87836 [  $\{(-212n^3-490n^2-192n)*a(n+1)+(121n^3+365n^2+26n-132)*a(n+2)+(-17n^3-55n^2+52n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A217218 10.1541 [  $-(59x^{11}+79x^{10}+105x^9+70x^8+93x^7+62x^6+83x^5+111x^4+74x^3+99x^2+66x+44)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A217219 12.0591 [  $-(-2x^5-x^2)/(x^6+x^3+1)$  ogf\_with\_Euler\_transform]  
A217221 13.0023 [  $-(-2x^5+x^3-x)/(x^6+1)$  ogf\_with\_Euler\_transform]  
A217233 11.6971 [  $(x-1)^2/(x+1)/(x^2-4x+1)$  ogf]  
A217233 6.37075 [  $\{a(n+3)-3a(n+2)-3a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 7\}$ , ogf]  
A217233 9.91006 [  $-(-x^3+3x^2-9x-1)/(-x^4+4x^3-4x+1)$  lgdogf]  
A217238 3.71859 [  $\{(n^3+8n^2+21n+18)*a(n+1)+(-n^2-7n-12)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A217239 3.79038 [  $\{(n^3+4n^2+5n+2)*a(n)+(-n^2-4n-4)*a(n+1)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A217260 10.5823 [  $-(-2-2x)/(-x^2-2x-2)$  lgdegf]  
A217260 15.3924 [  $2/(x^2+2x+2)$  egf]  
A217260 3.57711 [  $\{(-n^2-5n-6)*a(n+1)+(-2n-6)*a(n+2)-2a(n+3), a(0) = 1, a(1) = -1, a(2) = 1\}$ , ogf]  
A217268 6.20682 [  $-2*(135x^4-88x^3-32x^2+8x+1)/(27x^2-1)/(27x^2-24x+1)$  ogf]  
A217274 11.0386 [  $-(21x^2-28x+7)/(7x^3-14x^2+7x-1)$  lgdogf]  
A217274 17.6093 [  $-x/(7x^3-14x^2+7x-1)$  ogf]  
A217274 6.60347 [  $\{a(n+3)-7a(n+2)+14a(n+1)-7a(n), a(0) = 0, a(1) = 1, a(2) = 7\}$ , ogf]  
A217275 19.4742 [  $-x/(-7x^2-x-1)$  revogf]  
A217275 5.12480 [  $\{(27n+54)*a(n+1)+(2n+7)*a(n+2)+(-n-5)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 8\}$ , ogf]  
A217278 6.60564 [  $-x^2*(3x^5+x^4+12x^3+9x^2+3x+1)/(x-1)/(x+1)/(x^2+2x-1)/(x^2-2x-1)/(x^4+6x^2+1)$  ogf]  
A217283 11.0371 [  $-(x-1)*(x^2+x+1)*(x^6+x^3+1)*(x+1)*(x^2-x+1)*(x^6-x^3+1)/(x^20+x^19-x^18-x^6-x^2-x+1)$  ogf]  
A217284 4.32198 [  $\{(-n^3-6n^2-12n-8)*a(n+1)+(n^3+9n^2+27n+28)*a(n+2)-a(n+3), a(0) = 1, a(1) = 2, a(2) = 17\}$ , ogf]  
A217319 16.5102 [  $x^{11}*(x-1)-x^3+x^2+2$  ogf\_with\_Euler\_transform]  
A217330 8.34535 [  $(2x^3+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A217330 9.41278 [  $-(10x^5+4x^4+4x^3+14x^2+2x+2)/(2x^6-x^3-1)$  lgdogf]  
A217333 9.82980 [  $1/2/(x^2-1)*(-2x-1+(4x^3+4x^2+1)^{1/2})$  revogf]  
A217336 6.78685 [  $-(x^5+9x^4+2x^3-22x^2+x+1)/(3x^6-27x^4+33x^2-1)$  ogf]  
A217340 11.5549 [  $x/(x^4-x^3+11x^2-7x+1)$  ogf]  
A217340 7.60930 [  $-(4x^3-3x^2+22x-7)/(x^4-x^3+11x^2-7x+1)$  lgdogf]  
A217358 23.2868 [  $-x^4-x^3+x$  revogf]  
A217359 24.6941 [  $x^4+x^3+x$  revogf]

A217360 4.07251 [ $\{(-512n^3-2304n^2-3424n-1680)a(n+1)+(27n^3+162n^2+321n+210)a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A217361 20.7020 [ $2x^3+x^2+x$  revogf]  
A217361 3.56163 [ $\{(-108n^2-432n-420)a(n+1)+(-32n^2-176n-240)a(n+2)+(-7n^2-49n-84)a(n+3), a(0) = 1, a(1) = -1, a(2) = 0\}$ , ogf]  
A217362 18.1169 [ $[x^4+2x^2+x]$  revogf]  
A217363 11.1686 [hypergeom([1/3, 2/3],[3/2],81/4\*x) ogf]  
A217363 5.10061 [ $\{(-81n^2-243n-180)a(n+1)+(4n^2+18n+20)a(n+2), a(0) = 1, a(1) = 3\}$ , ogf]  
A217364 3.22025 [ $\{(-3125n^4-18750n^3-41875n^2-41250n-15120)a(n+1)+(128n^4+960n^3+2680n^2+3300n+1512)a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A217365 15.5974 [ $[x^5+x^4+x^3+x^2+x]$  revogf]  
A217366 6.08977 [ $\{(-n^2-12n-27)a(n+1)+(n^2+8n+7)a(n+3), a(0) = 0, a(1) = 7, a(2) = 2\}$ , ogf]  
A217366 9.52869 [ $x*(5x^4+x^3-6x^2-2x-7)/(x-1)^3/(x+1)^3$  ogf]  
A217367 3.89793 [ $x*(x^2-x+1)*(3x^5-x^4+2x^3-3x^2-5x-2)/(x^2+1)^3/(x-1)^3$  ogf]  
A217373 28.4766 [ $-x^8+x^7+2$  ogf\_with\_Euler\_transform]  
A217373 7.61200 [ $9*(x^2+x+1)*(x^6+x^3+1)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf]  
A217394 10.7236 [ $-(170x^{12}-170x^{11}+17x^2-16x-2)/(x-1)^2$  ogf]  
A217395 10.7236 [ $-(260x^{12}-260x^{11}+26x^2-24x-3)/(x-1)^2$  ogf]  
A217397 10.7236 [ $-(350x^{12}-350x^{11}+35x^2-32x-4)/(x-1)^2$  ogf]  
A217398 10.7236 [ $-(440x^{12}-440x^{11}+44x^2-40x-5)/(x-1)^2$  ogf]  
A217399 10.7236 [ $-(530x^{12}-530x^{11}+53x^2-48x-6)/(x-1)^2$  ogf]  
A217400 10.7236 [ $-(620x^{12}-620x^{11}+62x^2-56x-7)/(x-1)^2$  ogf]  
A217401 10.7236 [ $-(710x^{12}-710x^{11}+71x^2-64x-8)/(x-1)^2$  ogf]  
A217402 10.7236 [ $-(800x^{12}-800x^{11}+80x^2-72x-9)/(x-1)^2$  ogf]  
A217441 10.9632 [ $-(-18x^3-10x^2-43x-7)/(-6x^4-x^3+x+6)$  lgdogf]  
A217441 9.90649 [ $-4x*(6x^2+x+6)/(x+1)^2/(x-1)^3$  ogf]  
A217444 7.93116 [ $-x*(x^6+2x^5+3x^4+12x^3+5x^2+x+1)/(x^9-17x^6+10x^3-1)$  ogf]  
A217450 11.0400 [ $(x^3-3x^2+3x-3)/(x^4+2x-1)$  ogf]  
A217451 3.87214 [ $-(12x^8+62x^7+12x^6+43x^5-8x^4+17x^3-15x^2-6x-3)/(4x^9+26x^8+14x^7+17x^6-x^5+5x^4-6x^3-3x^2-3x+1)$  ogf]  
A217461 14.4919 [ $-(8x^3-24x^2+16x-4)/(4x^4-16x^3+16x^2-8x+1)$  lgdogf]  
A217461 8.77748 [ $-(8x^3-24x^2+16x-4)/(4x^4-16x^3+16x^2-8x+1)$  lgdogf]  
A217477 6.48852 [ $\{(-4n-2)a(n)+(-n-1)a(n+1), a(0) = 3, a(1) = -4\}$ , ogf]  
A217477 9.16026 [ $-4*(-2+(4x+1)^{(1/2)})/(4x-3)/(4x+1)$  lgdogf]  
A217482 3.79270 [ $-4x^4*(x^4+3x^3+7x^2+3x+1)/(x+1)^5/(x-1)^7$  ogf]  
A217486 10.9635 [ $1/2*\ln(4x+1)-1/2*\ln(2x+1)$  revogf]  
A217515 10.9804 [ $\{-a(n+3)+a(n), a(0) = 6, a(1) = 4, a(2) = 3\}$ , ogf]  
A217515 17.0308 [ $-(3x^2+4x+6)/(x-1)/(x^2+x+1)$  ogf]  
A217516 13.1794 [ $-(2x^4+4x^3+5x^2+8x+7)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A217517 11.5584 [ $-(5x^4+6x^3+10x^2+20x+20)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A217518 9.95387 [ $-(6x^5+7x^4+12x^3+7x^2+7x+13)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A217527 12.1330 [ $-2*(6x^2-3x+1)/(2x-1)^3$  ogf]  
A217527 12.1330 [ $-(-12x^2-3)/(-12x^3+12x^2-5x+1)$  lgdogf]  
A217527 6.70506 [ $\{a(n+3)-6a(n+2)+12a(n+1)-8a(n), a(0) = 2, a(1) = 6, a(2) = 24\}$ , ogf]  
A217528 7.67796 [ $-(-8x^4+32x^3-28x^2+8x-2)/(-8x^5+32x^4-44x^3+27x^2-8x+1)$  lgdogf]  
A217528 9.69342 [ $-(4x^3-10x^2+5x-1)/(x-1)/(2x-1)^3$  ogf]  
A217529 10.0681 [ $-(-88x^2+120x-86)/(-88x^3+148x^2-98x+23)$  lgdogf]  
A217529 11.3073 [ $-(44x^2-52x+23)/(2x-1)^3$  ogf]  
A217529 6.28181 [ $\{a(n+3)-6a(n+2)+12a(n+1)-8a(n), a(0) = 23, a(1) = 86, a(2) = 284\}$ , ogf]  
A217530 4.12820 [ $\{(3994n^2+26471n+36966)a(n+1)+(-7901n^2-34694n-15243)a(n+2)+(3907n^2+8571n+1514)a(n+3), a(0) = 0, a(1) = 6, a(2) = 22\}$ , ogf]  
A217530 9.09981 [ $x*(11x^3-25x^2+8x-6)/(x-1)^5$  ogf]  
A217530 9.61684 [ $-(-22x^3+42x^2+18x+22)/(-11x^4+36x^3-33x^2+14x-6)$  ogf]



lgdogf]  
 A217562 23.2987  $[-x^4+x^3+2 \text{ ogf\_with\_Euler\_transform}]$   
 A217562 8.81714  $[ 2*(x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2 \text{ ogf}]$   
 A217571 8.67966  $[-(-2*x^4-4*x^3+8*x^2+6*x+4)/(-x^5-x^4+4*x^3+2*x^2-3*x-1)$   
 lgdogf]  
 A217571 9.80291  $[(x^3+x^2-3*x-1)/(x+1)^2/(x-1)^3 \text{ ogf}]$   
 A217573 7.60972  $[(4*x^7+12*x^6+12*x^5+13*x^4+13*x^3+12*x^2+12*x+10)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 \text{ ogf}]$   
 A217574 3.58002  $[{(25*n^3+247*n^2+809*n+879)*a(n+1)+(206*n^2+824*n+630)*a(n$   
 $+2)+(-25*n^3-53*n^2-33*n-5)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 24}, \text{ ogf}]$   
 A217574 4.44791  $[-24*x^2*(x+1)*(x^4+116*x^3+606*x^2+116*x+1)/(x-1)^9 \text{ ogf}]$   
 A217585 11.6526  $[-(-2*x^3+6*x^2-7*x-5)/(2*x^4-4*x^3-x^2+2*x+1) \text{ lgdogf}]$   
 A217585 14.3416  $[-x*(2*x^3-2*x^2-3*x-1)/(x-1)^2 \text{ ogf}]$   
 A217585 7.34019  $[{-a(n+5)+2*a(n+4)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 5, a(3) =$   
 $11, a(4) = 15}, \text{ ogf}]$   
 A217592 45.9290  $[[2] \text{ ogf\_with\_Euler\_transform}]$   
 A217602 5.52151  $[-(2*x^10+3*x^8-8*x^7-2*x^6-4*x^5+2*x^4-4*x^3-4*x^2-1)/(x^4+1)/$   
 $(x+1)/(x^2+1)^2/(x-1)^2 \text{ ogf}]$   
 A217615 10.3363  $[-(8*x^3-6*x^2+x-1)/(4*x^4-4*x^3+x^2-2*x+1) \text{ lgdogf}]$   
 A217615 19.3442  $-(8*x^3-6*x^2+x-1)/(4*x^4-4*x^3+x^2-2*x+1) \text{ lgdogf}$   
 A217616 15.8811  $-(8*x^3-12*x^2+4*x-2)/(4*x^4-8*x^3+4*x^2-4*x+1) \text{ lgdogf}$   
 A217616 9.37953  $[-(8*x^3-12*x^2+4*x-2)/(4*x^4-8*x^3+4*x^2-4*x+1) \text{ lgdogf}]$   
 A217617 15.2479  $[-(8*x^3+18*x^2-9*x+3)/(-4*x^4+12*x^3-9*x^2+6*x-1) \text{ lgdogf}$   
 A217617 9.45644  $[-(-8*x^3+18*x^2-9*x+3)/(-4*x^4+12*x^3-9*x^2+6*x-1) \text{ lgdogf}]$   
 A217631 10.6718  $[-2*x*(2*x^2+2*x+1)/(2*x^3+3*x^2+x-1) \text{ ogf}]$   
 A217631 5.25503  $[{a(n+4)-a(n+3)-3*a(n+2)-2*a(n+1), a(0) = 0, a(1) = 2, a(2) = 6,$   
 $a(3) = 16}, \text{ ogf}]$   
 A217631 6.93664  $[-(-4*x^4-8*x^3-10*x^2-10*x-3)/(-4*x^5-10*x^4-10*x^3-3*x^2+x+1)$   
 lgdogf]  
 A217639 7.12999  $[(x^5-3*x^4+x^3+3*x+3)/(x^6-2*x^4-3*x^3-3*x^2-2*x+1) \text{ ogf}]$   
 A217657 6.08116  $[-x^{11}*(9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/$   
 $(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) \text{ ogf}]$   
 A217661 12.4897  $[-(4*x^4+10*x^3-6*x^2+2*x-1)/(-4*x^5+8*x^4-8*x^3+8*x^2-5*x+1)$   
 lgdogf]  
 A217661 7.99458  $[-(-4*x^4+10*x^3-6*x^2+2*x-1)/(-4*x^5+8*x^4-8*x^3+8*x^2-5*x+1)$   
 lgdogf]  
 A217664 11.6599  $[-(-18*x^4+28*x^3-15*x^2+5*x-1)/(-18*x^5+29*x^4-32*x^3+23*x^2-8*x$   
 $+1) \text{ lgdogf}]$   
 A217664 7.71537  $[-(-18*x^4+28*x^3-15*x^2+5*x-1)/$   
 $(-18*x^5+29*x^4-32*x^3+23*x^2-8*x+1) \text{ lgdogf}]$   
 A217665 10.8569  $[-(48*x^4+62*x^3-30*x^2+8*x-1)/$   
 $(-48*x^5+76*x^4-80*x^3+44*x^2-11*x+1) \text{ lgdogf}]$   
 A217665 7.22550  $[-(-48*x^4+62*x^3-30*x^2+8*x-1)/$   
 $(-48*x^5+76*x^4-80*x^3+44*x^2-11*x+1) \text{ lgdogf}]$   
 A217666 6.84201  $[-(-100*x^4+118*x^3-51*x^2+11*x-1)/$   
 $(-100*x^5+161*x^4-158*x^3+71*x^2-14*x+1) \text{ lgdogf}]$   
 A217666 9.99444  $[-(-100*x^4+118*x^3-51*x^2+11*x-1)/$   
 $(-100*x^5+161*x^4-158*x^3+71*x^2-14*x+1) \text{ lgdogf}]$   
 A217687 9.76469  $[(342092*x^{11}+1402*x^{10}+378*x^8+62*x^5+x^3+3*x^2+1)/(x-1)^2$   
 ogf]  
 A217688 11.5615  $[x*(71493*x^9+293*x^8+79*x^6+13*x^3+1)/(x-1)^2 \text{ ogf}]$   
 A217694 9.09716  $[(x+1)*(x^2-x+1)/(x^2+1)/(x^2+x-1)/(x^4+x^2-1) \text{ ogf}]$   
 A217703 5.64928  $[{(-n^3-6*n^2-12*n-8)*a(n+1)+(2*n^2+10*n+12)*a(n+2)+(-n-3)*a(n$   
 $+3), a(0) = 1, a(1) = 0, a(2) = -1/2}, \text{ egf}]$   
 A217730 17.7325  $[-(x+1)*(x^2-x-1)/(2*x^4-4*x^2+1) \text{ ogf}]$   
 A217730 9.02455  $[-(-2*x^6+8*x^4+8*x^3-5*x^2-8*x-2)/$   
 $(-2*x^7+8*x^5+2*x^4-9*x^3-4*x^2+2*x+1) \text{ lgdogf}]$   
 A217730 9.53538  $[{a(n+4)-4*a(n+2)+2*a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) =$   
 $7}, \text{ ogf}]$   
 A217733 12.8214  $[-(x^2-x-1)/(x-1)/(x^3+3*x^2-1) \text{ ogf}]$   
 A217733 8.84675  $[-(2*x^5-x^4-8*x^3-2*x^2+4*x+2)/(x^6+x^5-6*x^4+5*x^2-1) \text{ lgdogf}]$

A217748 11.9628 [  $(x^3-x^2-x-1)/(x-1)^3$  ogf]  
A217748 13.7573 [  $-(2*x^2-4*x-4)/(x^4-2*x^3+1)$  lgdogf]  
A217748 6.15997 [  $\{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 4, a(2) = 10, a(3) = 18\}$ , ogf]  
A217753 2.56774 [  $-(x-1)^2*x^2+2*x+2$  ogf\_with\_Euler\_transform]  
A217758 5.02825 [  $\{a(n+3)-35*a(n+2)+35*a(n+1)-a(n), a(0) = 1, a(1) = 55, a(2) = 1891\}$ , ogf]  
A217758 9.27084 [  $-(x^2+20*x+1)/(x-1)/(x^2-34*x+1)$  ogf]  
A217761 14.1819 [  $-x*(28*x^4-28*x^3-1)/(x-1)^2$  ogf]  
A217761 9.19487 [  $-(56*x^4-140*x^3+84*x^2+2)/(-28*x^5+56*x^4-28*x^3+x-1)$  lgdogf]  
A217771 13.1564 [  $-(4*x^4+2*x^3+2*x+4)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A217775 12.1642 [  $-(-7*x^2+20*x-22)/(-7*x^3+24*x^2-30*x+13)$  lgdogf]  
A217775 13.1146 [  $-2*(7*x^2-17*x+13)/(x-1)^3$  ogf]  
A217775 7.29855 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 26, a(1) = 44, a(2) = 68\}$ , ogf]  
A217776 11.8095 [  $-(-11*x^2+30*x-25)/(-11*x^3+37*x^2-43*x+17)$  lgdogf]  
A217776 12.8996 [  $-4*(11*x^2-26*x+17)/(x-1)^3$  ogf]  
A217776 7.16643 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 68, a(1) = 100, a(2) = 140\}$ , ogf]  
A217777 12.3070 [  $-(x-1)*(2*x+1)*(x+1)/(5*x^4-5*x^2+1)$  ogf]  
A217777 7.54674 [  $\{-a(n+4)+5*a(n+2)-5*a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$ , ogf]  
A217778 9.07319 [  $-(3*x-1)*(x-1)^2/(x^2-3*x+1)/(5*x^2-5*x+1)$  ogf]  
A217779 10.4167 [  $(2*x-1)^2/(x^2-3*x+1)/(5*x^2-5*x+1)$  ogf]  
A217779 7.04370 [  $-(20*x^4-60*x^3+60*x^2-26*x+4)/(10*x^5-45*x^4+62*x^3-37*x^2+10*x-1)$  lgdogf]  
A217782 9.43434 [  $-(x-1)*(3*x-1)*(2*x-1)/(x^2-3*x+1)/(5*x^2-5*x+1)$  ogf]  
A217783 10.6462 [  $(2*x-1)*(x-1)/(x^2-3*x+1)/(5*x^2-5*x+1)$  ogf]  
A217786 17.7767 [  $-(2*x-2)/(-x^3-1)$  ogf\_with\_Euler\_transform]  
A217787 9.83701 [  $-(2*x^5+3*x^4+4*x^3-x^2-x-1)/(x^6-5*x^3+1)$  ogf]  
A217789 10.0287 [  $-(2*x^3-4*x^2+2*x-11)/(-x^4+2*x^3-11*x^2+9*x+1)$  lgdogf]  
A217789 15.2288 [  $-(x^3-x^2+10*x+1)/(x-1)$  ogf]  
A217789 8.30662 [  $\{a(n+4)-a(n+3), a(0) = 1, a(1) = 11, a(2) = 10, a(3) = 11\}$ , ogf]  
A217800 4.86293 [  $\{(-54*n^3-351*n^2-741*n-504)*a(n+1)+(2*n^3+21*n^2+73*n+84)*a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A217838 7.77170 [  $-(x^7+x^6+x^5+x^4+x^3+x^2+2)/(x^4-x+1)/(x^4+x-1)$  ogf]  
A217855 10.3088 [  $-(3*x^2-30*x+15)/(x^3-15*x^2+15*x-1)$  lgdogf]  
A217855 14.9149 [  $-2*x/(x-1)/(x^2-14*x+1)$  ogf]  
A217855 6.14913 [  $\{a(n+3)-15*a(n+2)+15*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 30\}$ , ogf]  
A217873 12.4781 [  $4*(x^2+1)*x/(x-1)^4$  ogf]  
A217873 12.6730 [  $-(-2*x^2-2*x-4)/(-x^3+x^2-x+1)$  lgdogf]  
A217873 27.7878 [  $[-x^3+x+4]$  ogf\_with\_Euler\_transform]  
A217873 4.11713 [  $\{(n+3)*a(n+4)+(-6-n)*a(n+3)+(-1+n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 16, a(3) = 44\}$ , ogf]  
A217878 5.84669 [  $-(x^3+x^2+1)*(x^3+x^2+3)/(x^3+x^2-x+1)/(x^4+2*x-1)$  ogf]  
A217879 5.16276 [  $-(x^4+x^3+x^2+1)*(x^4+x^3+x^2+3)/(x^9+x^8+x^7-x^6+3*x^5+x^3-3*x^2+3*x-1)$  ogf]  
A217880 4.07023 [  $-(x^5+x^4+x^3+x^2+1)*(x^5+x^4+x^3+x^2+3)/(x^5+x^4+x^3-x+1)/(x^6+x^3-x^2+2*x-1)$  ogf]  
A217881 3.56644 [  $-(x^2+1)*(x^4+x^3+1)*(x^6+x^5+x^4+x^3+x^2+3)/(x^13+x^12+x^11+x^10+x^9-x^8+3*x^7+x^3-3*x^2+3*x-1)$  ogf]  
A217893 11.1290 [  $-(53*x^3-33*x^2+47*x-17)/(x+1)/(x-1)^3$  ogf]  
A217893 7.59270 [  $-(53*x^4+40*x^3+234*x^2-40*x+13)/(53*x^5-33*x^4-6*x^3+16*x^2-47*x+17)$  lgdogf]  
A217894 11.1805 [  $-(37*x^3-27*x^2+63*x-23)/(x+1)/(x-1)^3$  ogf]  
A217894 7.62785 [  $-(37*x^4+20*x^3+246*x^2-20*x+17)/(37*x^5-27*x^4+26*x^3+4*x^2-63*x+23)$  lgdogf]  
A217924 26.1054 [  $-1+2*\exp(x)$  lgdegf]  
A217924 65.2945 [  $-1+2*\exp(x)$  lgdegf]

A217947 10.0309 [  $[-(-6*x^3+27*x^2-48*x+37)/(-3*x^4+15*x^3-30*x^2+29*x-11) \text{ lgdogf}]$   
A217947 4.64196 [  $\{(5*n^2+53*n+114)*a(n+1)+(-12*n^2-118*n-262)*a(n+2)+(7*n^2+57*n+108)*a(n+3), a(0) = 11, a(1) = 37, a(2) = 87\}, \text{ ogf}]$   
A217947 9.69654 [  $(3*x^3-12*x^2+18*x-11)/(x-1)^5 \text{ ogf}]$   
A217949 4.15476 [  $-(x^3+x^2+2)*(x^6+2*x^5+x^4+4*x^3+4*x^2+2)/(x^5+3*x^2-2*x+1)/(x^5+2*x^4+x^2+2*x-1) \text{ ogf}]$   
A217958 8.91474 [  $(x+1)*(x^2+2*x+3)/(x^4-2*x^2-4*x+1) \text{ ogf}]$   
A217959 5.54951 [  $-(26*x^4+41*x^3+39*x^2-x-9)/(10*x^5+23*x^4+20*x^3+4*x^2-10*x+1) \text{ ogf}]$   
A217975 11.4594 [  $-2*(x-1)*(x^2+3*x+1)/(x^2+2*x-1)/(x^2-2*x-1) \text{ ogf}]$   
A217978 5.68038 [  $-2*(4*x^5+5*x^4-5*x^3-3*x^2-3*x+3)/(2*x^7+x^6-8*x^5-5*x^4+x^3+5*x^2+2*x-1) \text{ ogf}]$   
A217988 8.09888 [  $(2*x^5-2*x^4-2*x^3+6*x^2-4*x+1)/(2*x^2-2*x+1)/(2*x-1)^2 \text{ ogf}]$   
A217995 6.42399 [  $-(3*x^5-6*x^4-9*x^3-5*x^2+3)/(3*x-1)/(x^5-2*x^4-5*x^3-x^2+1) \text{ ogf}]$   
A218002 22.5353 [  $-(-x^8-x^7+x^6+x^4+x^2+x)/(x^6-1) \text{ lgdegf}]$   
A218002 9.41498 [  $-(-x^8-x^7+x^6+x^4+x^2+x)/(x^6-1) \text{ lgdegf}]$   
A218009 7.88686 [  $x*(2*x^4-2*x^3+2*x^2-2*x+1)/(2*x^2-2*x+1)/(2*x-1)^2 \text{ ogf}]$   
A218032 5.13673 [  $-(x^{14}+x^{11}+x^{10}-x^8+x^7-x^4-x^3-x^2+1)/(x^{15}-x^{14}-x^{10}-x^9+x^8-x^7-x^5+x^4+x^2+x-1) \text{ ogf}]$   
A218033 5.98347 [  $(x^{24}+x^8-1)/(x^{27}-x^{25}+x^{24}+x^{23}-2*x^{15}+x^{11}-x^9+x^8+x^7-x^3+x-1) \text{ ogf}]$   
A218034 13.0890 [  $(12*x^3-x^2-2*x-1)/(x+1)/(3*x-1) \text{ ogf}]$   
A218034 6.99585 [  $\{-a(n+4)+2*a(n+3)+3*a(n+2), a(0) = 1, a(1) = 4, a(2) = 12, a(3) = 24\}, \text{ ogf}]$   
A218034 8.28081 [  $-(-36*x^4-48*x^3+32*x^2-8*x-4)/(36*x^5+21*x^4-20*x^3-6*x^2+1) \text{ lgdogf}]$   
A218051 9.00127 [  $2*(x^4-2*x^2+2*x-2)/(x^5+2*x^4+x^2+2*x-1) \text{ ogf}]$   
A218059 5.23308 [  $\{-a(n+3)+5*a(n+2)-3*a(n+1)-2*a(n), a(0) = 4, a(1) = 18, a(2) = 74\}, \text{ ogf}]$   
A218059 9.77985 [  $-2*(2*x^2+x-2)/(2*x^3+3*x^2-5*x+1) \text{ ogf}]$   
A218060 4.98470 [  $2*(2*x^6-3*x^5-12*x^4+22*x^3-5*x^2-6*x+3)/(x-1)/(x^5+3*x^4-4*x^3-10*x^2+8*x-1) \text{ ogf}]$   
A218065 8.23249 [  $-2*(2*x^3+2*x^2-x-2)/(x-1)/(x+1)/(2*x^3+3*x^2+x-1) \text{ ogf}]$   
A218078 12.7064 [  $-2*(x+1)/(x^3+2*x^2+x-1) \text{ ogf}]$   
A218078 6.01284 [  $\{-a(n+3)+a(n+2)+2*a(n+1)+a(n), a(0) = 2, a(1) = 4, a(2) = 8\}, \text{ ogf}]$   
A218078 8.86103 [  $-(2*x^3+5*x^2+4*x+2)/(x^4+3*x^3+3*x^2-1) \text{ lgdogf}]$   
A218079 7.72426 [  $2*(x-1)*(x^4+4*x^3+x^2-2*x-2)/(x^5+5*x^4-4*x^2-2*x+1) \text{ ogf}]$   
A218130 4.00547 [  $\{(-359*n^2-1952*n-2625)*a(n+1)+(-362*n^2-6248*n-12876)*a(n+2)+(721*n^2+1720*n+999)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 54\}, \text{ ogf}]$   
A218130 6.63091 [  $-6*x^2*(11*x^3+47*x^2+53*x+9)/(x-1)^7 \text{ ogf}]$   
A218130 8.76753 [  $-(44*x^3+268*x^2+412*x+116)/(11*x^4+36*x^3+6*x^2-44*x-9) \text{ lgdogf}]$   
A218131 3.63115 [  $\{(7*n^3+40*n^2+65*n+24)*a(n+1)+(116*n^2+464*n+1188)*a(n+2)+(-7*n^3-44*n^2-81*n-44)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 240\}, \text{ ogf}]$   
A218131 4.41392 [  $-240*x^2*(x+1)*(x^4+17*x^3+48*x^2+17*x+1)/(x-1)^9 \text{ ogf}]$   
A218132 3.61297 [  $504*x^2*(x^6+29*x^5+175*x^4+310*x^3+175*x^2+29*x+1)/(x-1)^{10} \text{ ogf}]$   
A218134 11.7365 [  $-(x-1)*(x+1)/(x^4-4*x^3-2*x^2-4*x+1) \text{ ogf}]$   
A218134 7.26548 [  $-(2*x^5-4*x^4-4*x^3+16*x^2+2*x+4)/(x^6-4*x^5-3*x^4+3*x^2+4*x-1) \text{ lgdogf}]$   
A218135 11.7637 [  $-(2*x-1)*(2*x+1)/(16*x^4-4*x^3-8*x^2-x+1) \text{ ogf}]$   
A218135 6.87082 [  $-(-128*x^5+16*x^4+64*x^3-16*x^2-8*x-1)/(-64*x^6+16*x^5+48*x^4-12*x^2-x+1) \text{ lgdogf}]$   
A218136 10.9966 [  $-(2*x-1)*(2*x+1)/(16*x^4-36*x^3-8*x^2-9*x+1) \text{ ogf}]$   
A218136 6.35150 [  $-(128*x^5-144*x^4-64*x^3+144*x^2+8*x+9)/(64*x^6-144*x^5-48*x^4+12*x^2+9*x-1) \text{ lgdogf}]$   
A218152 10.6154 [  $(x^3+3*x^2-2*x+1)/(x-1)^4 \text{ ogf}]$   
A218152 10.7551 [  $-(x^3+9*x^2+2)/(x^4+2*x^3-5*x^2+3*x-1) \text{ lgdogf}]$   
A218152 4.41830 [  $\{(-29*n^2-141*n-166)*a(n+1)+(40*n^2+112*n+4)*a(n$

+2)+(-11\*n^2-25\*n+24)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 5}, ogf]  
A218155 10.6969 [ (x^3+4\*x^2-x+2)/(x-1)^2/(x^2+1) ogf]  
A218155 4.13901 [ {(3\*n+10)\*a(n+1)+(-3\*n-7)\*a(n+2)+(3\*n+10)\*a(n+3)+(-3\*n-7)\*a(n+4), a(0) = 2, a(1) = 3, a(2) = 6, a(3) = 11}, ogf]  
A218171 3.58860 [ -(x^12-x^10+x^8+x^4-x+1)/(-x^13+x^12-x^9+x^8-x^5+x^4-x+1) ogf\_with\_Euler\_transform]  
A218173 3.48136 [ -(x^12-x^11+x^10+x^4-x^3+x)/(-x^13+x^12-x^9+x^8-x^5+x^4-x+1) ogf\_with\_Euler\_transform]  
A218189 5.76699 [ -(x+1)^2\*(x^2+1)^2/(x^7+x^6+x^5+x^4+x^3+x^2+x-1) ogf]  
A218199 8.08333 [ -(x^2+x+1)^2/(x^5+x^4+x^3+x^2+x-1) ogf]  
A218200 4.01422 [ -(x^8+2\*x^7+3\*x^6+2\*x^5-2\*x^4-2\*x^3-5\*x^2-6\*x-3)/(x^9+x^8+x^7+x^6-2\*x^5-2\*x^4-3\*x^3-3\*x^2-3\*x+1) ogf]  
A218225 10.4221 [ -(x^3+x^2-x)/(-x^3-x^2+x+1) revogf]  
A218227 4.03420 [ -(x^8+2\*x^7+3\*x^6+2\*x^5+x^4+4\*x^3+7\*x^2+6\*x+3)/(x^9+x^8+x^7+x^6+x^5+3\*x^4+3\*x^3+3\*x^2+3\*x-1) ogf]  
A218236 5.10139 [ -3\*(x+1)^2\*(x^2+1)^2/(3\*x^7+3\*x^6+3\*x^5+3\*x^4+3\*x^3+3\*x^2+3\*x-1) ogf]  
A218237 4.59785 [ -7\*(x+1)^2\*(x^2+1)^2/(7\*x^7+7\*x^6+7\*x^5+7\*x^4+7\*x^3+7\*x^2+7\*x-1) ogf]  
A218238 3.82976 [ -15\*(x+1)^2\*(x^2+1)^2/(15\*x^7+15\*x^6+15\*x^5+15\*x^4+15\*x^3+15\*x^2+15\*x-1) ogf]  
A218245 12.7959 [ -(5\*x^4-20\*x^3-60\*x^2-120\*x-120)/(x^5+5\*x^4+20\*x^3+60\*x^2+120\*x+240) lgdegf]  
A218281 4.59155 [ -(x^4+x^3+x^2+x+1)^2/(x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1) ogf]  
A218299 7.84370 [ -(-4\*x^5+4\*x^3-x)/(16\*x^8+16\*x^7+4\*x^5+8\*x^4+4\*x^3+x+1) revogf]  
A218313 6.87785 [ -3\*(x^2+x+1)^2/(3\*x^5+3\*x^4+3\*x^3+3\*x^2+3\*x-1) ogf]  
A218314 6.22626 [ -7\*(x^2+x+1)^2/(7\*x^5+7\*x^4+7\*x^3+7\*x^2+7\*x-1) ogf]  
A218324 8.49360 [ -(17\*x^3+433\*x^2+715\*x+115)/(17\*x^4+174\*x^3-80\*x^2-110\*x-1) lgdogf]  
A218324 9.63299 [ (17\*x^3+191\*x^2+111\*x+1)/(x-1)^4 ogf]  
A218325 5.75570 [ 2\*(2\*x^7+20\*x^6+23\*x^5+29\*x^4+56\*x^3+17\*x^2+9\*x+4)/(x^2+x+1)^3/(x-1)^4 ogf]  
A218326 6.24777 [ (5\*x^6+16\*x^5+159\*x^4+72\*x^3+123\*x^2+8\*x+1)/(x+1)^3/(x-1)^4 ogf]  
A218327 7.03344 [ 2\*(27\*x^4+28\*x^3+102\*x^2+20\*x+15)/(x+1)^3/(x-1)^4 ogf]  
A218328 8.25771 [ -(25\*x^3+617\*x^2+995\*x+155)/(25\*x^4+246\*x^3-120\*x^2-150\*x-1) lgdogf]  
A218328 9.46616 [ (25\*x^3+271\*x^2+151\*x+1)/(x-1)^4 ogf]  
A218329 5.67594 [ 2\*(3\*x^7+29\*x^6+33\*x^5+41\*x^4+78\*x^3+23\*x^2+12\*x+5)/(x^2+x+1)^3/(x-1)^4 ogf]  
A218330 6.10027 [ (7\*x^6+22\*x^5+215\*x^4+96\*x^3+161\*x^2+10\*x+1)/(x+1)^3/(x-1)^4 ogf]  
A218331 6.85543 [ 2\*(37\*x^4+38\*x^3+136\*x^2+26\*x+19)/(x+1)^3/(x-1)^4 ogf]  
A218332 4.23634 [ (x^15-3\*x^13-x^12-7\*x^11-9\*x^10+6\*x^9+3\*x^8-x^7+12\*x^6-3\*x^5-3\*x^4+x^3-3\*x^2+1)/(x-1)^4/(x+1)^4/(x^2+1)^4 ogf]  
A218348 7.03955 [ -(x^4+2\*x^3-2\*x^2-2\*x-3)/(x^5+x^4-2\*x^3-2\*x^2-3\*x+1) ogf]  
A218376 4.85143 [ -x\*(x^4+26\*x^3+66\*x^2+26\*x+1)/(5\*x-1)/(x-1)^6 ogf]  
A218395 10.1232 [ -11\*(x-1)\*(x^2+8\*x+1)/(x^4-20\*x^2+1) ogf]  
A218420 7.31294 [ -(x^4+2\*x^3+x^2+4\*x+3)/(x^5+x^4+x^3+3\*x^2+3\*x-1) ogf]  
A218438 11.1588 [ -1/(x^3+2\*x^2+x-1)/(x^3-x^2-1)^2 ogf]  
A218438 7.47329 [ -(9\*x^5+9\*x^4-5\*x^3-14\*x^2-1)/(x^6+x^5-x^4-3\*x^3-x^2-x+1) lgdogf]  
A218439 7.32383 [ -(9\*x^5+9\*x^4-5\*x^3-14\*x^2-1)/(x^3-x^2-1)/(x^3+2\*x^2+x-1) ogf]  
A218440 8.94237 [ -(x^3-14\*x^2+5\*x-10)/(x^4-14\*x^3+6\*x^2-14\*x+1) ogf]  
A218441 4.86293 [ {(54\*n^3+243\*n^2+363\*n+180)\*a(n+1)+(-2\*n^3-15\*n^2-37\*n-30)\*a(n+2), a(0) = 1, a(1) = 1}, ogf]  
A218456 7.54566 [ (20771\*x^3-54537\*x^2+47411\*x-13633)/(x-1)^4 ogf]  
A218458 6.78729 [ (14869\*x^3-41327\*x^2+38397\*x-11927)/(x-1)^4 ogf]  
A218470 14.4465 [ -x^9/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3 ogf]  
A218471 14.2523 [ -x\*(5\*x+2)/(x-1)^3 ogf]

A218471 16.2476 [  $(-(-10*x-11)/(-5*x^2+3*x+2) \lg\text{dogf})$   
A218471 7.25341 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 11\},$   
ogf]  
A218489 4.61301 [ -  
 $(3*x^{15}-3*x^{13}+x^{12}-13*x^{11}+9*x^{10}+6*x^9-3*x^8+5*x^7-12*x^6-3*x^5+3*x^4-$   
 $x^3+3*x^2-1)/(x-1)^4/(x+1)^4/(x^2+1)^4$  ogf]  
A218506 4.66965 [  $(x^{14}-x^{13}-x^{12}+2*x^9-x^6-x^5+x^4-1)/(x^2+x+1)/(x^2+1)^2/(x$   
 $+1)^3/(x-1)^5$  ogf]  
A218516 7.03648 [  $2*(x^4-2*x^3-4*x^2-6*x-2)/(x^5-4*x^4+3*x^2+6*x-1)$  ogf]  
A218517 3.74203 [  $-2*(96*x^6+156*x^5-48*x^4-114*x^3-105*x^2-x+8)/$   
 $(64*x^7+140*x^6-x^5-112*x^4-96*x^3-19*x^2+18*x-1)$  ogf]  
A218530 12.9587 [  $-x^{11}/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A218540 5.73426 [  $\{(-27*n^2-9*n+6)*a(n)+(n^2+3*n+2)*a(n+2), a(0) = 1, a(1) = 1,$   
 $a(2) = 1\},$  ogf]  
A218563 9.70014 [  $(57*x^4+307*x^3+22*x^2+57*x+182)/(x+1)/(x-1)^2$  ogf]  
A218564 11.8617 [  $(1068*x^2+989*x+1068)/(x+1)/(x-1)^2$  ogf]  
A218564 6.76412 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 1068, a(1) = 2057, a(2) =$   
 $4193\},$  ogf]  
A218564 8.70700 [  $(-1068*x^3+3046*x^2+6329*x+2057)/(1068*x^4+989*x^3-989*x-1068)$   
lgdogf]  
A218565 11.2744 [  $(1068*x^2+13489*x+1068)/(x+1)/(x-1)^2$  ogf]  
A218565 6.50800 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1068, a(1) = 14557, a(2) =$   
 $16693\},$  ogf]  
A218565 7.92558 [  $(-1068*x^3-28046*x^2-18829*x-14557)/$   
 $(-1068*x^4-13489*x^3+13489*x+1068)$  lgdogf]  
A218567 4.74149 [  $(-x^7-x^6-x^5+2*x^2+x+1)/(x^2+1)^2/(x^2+x+1)^2/(x+1)^3/(x-1)^5$   
ogf]  
A218574 4.76986 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 32318, a(1) = 45807, a(2) =$   
 $110443\},$  ogf]  
A218574 8.16756 [  $(32318*x^2+13489*x+32318)/(x+1)/(x-1)^2$  ogf]  
A218587 6.39545 [  $(-x^4+4*x^3+x^2+8*x+7)/(3*x^5+3*x^4+3*x^3+7*x^2+7*x-1)$  ogf]  
A218645 4.47746 [  $2*(x^7+x^6-2*x^5-7*x^4+3*x^2+4*x+2)/$   
 $(x^8+3*x^7+2*x^6-7*x^5-14*x^4-12*x^3-7*x^2-2*x+1)$  ogf]  
A218652 17.7421 [  $x-\ln(x^2+1)$  revegf]  
A218657 10.3317 [  $-3*(x+1)^2/(3*x^3+3*x^2+3*x-1)$  ogf]  
A218657 5.52836 [  $\{a(n+3)-3*a(n+2)-3*a(n+1)-3*a(n), a(0) = 3, a(1) = 15, a(2) =$   
 $57\},$  ogf]  
A218657 7.87791 [  $(-3*x^3+9*x^2+3*x+5)/(3*x^4+6*x^3+6*x^2+2*x-1)$  lgdogf]  
A218658 5.55555 [  $(-5*x^5+5*x^4+10*x^3-20*x^2-27*x-5)/$   
 $(5*x^6+5*x^4-26*x^3-11*x^2-6*x+1)$  ogf]  
A218659 4.53258 [  $-9*(x-1)*(9*x^4+18*x^3+30*x^2+14*x+1)/(9*x^3-9*x^2-3*x-1)/$   
 $(9*x^3+9*x^2+15*x-1)$  ogf]  
A218664 4.99741 [  $(-x^{15}-$   
 $x^{14}-2*x^{13}+x^{12}-5*x^{11}+10*x^{10}+3*x^9-3*x^8-3*x^7-11*x^6+3*x^4+x^3+2*x^2-x-1)/$   
 $(x-1)^4/(x+1)^4/(x^2+1)^4$  ogf]  
A218721 11.2280 [  $(-36*x-19)/(18*x^2-19*x+1)$  lgdogf]  
A218721 16.6816 [  $x/(18*x-1)/(x-1)$  ogf]  
A218721 7.03440 [  $\{a(n+2)-19*a(n+1)+18*a(n), a(0) = 0, a(1) = 1\},$  ogf]  
A218722 11.3391 [  $(-38*x-20)/(19*x^2-20*x+1)$  lgdogf]  
A218722 16.8467 [  $x/(19*x-1)/(x-1)$  ogf]  
A218722 7.10404 [  $\{a(n+2)-20*a(n+1)+19*a(n), a(0) = 0, a(1) = 1\},$  ogf]  
A218723 15.1211 [  $x/(256*x-1)/(x-1)$  ogf]  
A218723 6.58213 [  $\{a(n+2)-257*a(n+1)+256*a(n), a(0) = 0, a(1) = 1\},$  ogf]  
A218723 9.99073 [  $(-512*x-257)/(256*x^2-257*x+1)$  lgdogf]  
A218724 10.1342 [  $(-42*x-22)/(21*x^2-22*x+1)$  lgdogf]  
A218724 15.0565 [  $x/(21*x-1)/(x-1)$  ogf]  
A218724 6.34912 [  $\{a(n+2)-22*a(n+1)+21*a(n), a(0) = 0, a(1) = 1\},$  ogf]  
A218725 10.4066 [  $(-44*x-23)/(22*x^2-23*x+1)$  lgdogf]  
A218725 15.4612 [  $x/(22*x-1)/(x-1)$  ogf]  
A218725 6.51980 [  $\{a(n+2)-23*a(n+1)+22*a(n), a(0) = 0, a(1) = 1\},$  ogf]  
A218726 11.9506 [  $(-46*x-24)/(23*x^2-24*x+1)$  lgdogf]

A218726 17.7551 [  $x/(23x-1)/(x-1)$  ogf]  
A218726 7.48711 [  $\{a(n+2)-24a(n+1)+23a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218727 12.1173 [  $-(48x-25)/(24x^2-25x+1)$  lgdogf]  
A218727 18.0029 [  $x/(24x-1)/(x-1)$  ogf]  
A218727 7.59158 [  $\{a(n+2)-25a(n+1)+24a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218728 12.2285 [  $-(50x-26)/(25x^2-26x+1)$  lgdogf]  
A218728 18.1680 [  $x/(25x-1)/(x-1)$  ogf]  
A218728 7.66122 [  $\{a(n+2)-26a(n+1)+25a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218729 10.7880 [  $-(52x-27)/(26x^2-27x+1)$  lgdogf]  
A218729 16.0279 [  $x/(26x-1)/(x-1)$  ogf]  
A218729 6.75875 [  $\{a(n+2)-27a(n+1)+26a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218730 12.5064 [  $-(54x-28)/(27x^2-28x+1)$  lgdogf]  
A218730 18.5809 [  $x/(27x-1)/(x-1)$  ogf]  
A218730 7.83534 [  $\{a(n+2)-28a(n+1)+27a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218731 12.6176 [  $-(56x-29)/(28x^2-29x+1)$  lgdogf]  
A218731 18.7461 [  $x/(28x-1)/(x-1)$  ogf]  
A218731 7.90499 [  $\{a(n+2)-29a(n+1)+28a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218732 12.7288 [  $-(58x-30)/(29x^2-30x+1)$  lgdogf]  
A218732 18.9113 [  $x/(29x-1)/(x-1)$  ogf]  
A218732 7.97464 [  $\{a(n+2)-30a(n+1)+29a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218733 11.1694 [  $-(60x-31)/(30x^2-31x+1)$  lgdogf]  
A218733 16.5945 [  $x/(30x-1)/(x-1)$  ogf]  
A218733 6.99769 [  $\{a(n+2)-31a(n+1)+30a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218734 12.7843 [  $-(62x-32)/(31x^2-32x+1)$  lgdogf]  
A218734 18.9939 [  $x/(31x-1)/(x-1)$  ogf]  
A218734 8.00946 [  $\{a(n+2)-32a(n+1)+31a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218735 11.9994 [  $-(x-1)*(5x^2+11x+5)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A218736 10.0240 [  $-(66x-34)/(33x^2-34x+1)$  lgdogf]  
A218736 14.8928 [  $x/(33x-1)/(x-1)$  ogf]  
A218736 6.28008 [  $\{a(n+2)-34a(n+1)+33a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218737 10.0240 [  $-(68x-35)/(34x^2-35x+1)$  lgdogf]  
A218737 14.8928 [  $x/(34x-1)/(x-1)$  ogf]  
A218737 6.28008 [  $\{a(n+2)-35a(n+1)+34a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218738 10.0773 [  $-(70x-36)/(35x^2-36x+1)$  lgdogf]  
A218738 14.9720 [  $x/(35x-1)/(x-1)$  ogf]  
A218738 6.31349 [  $\{a(n+2)-36a(n+1)+35a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218739 10.1839 [  $-(72x-37)/(36x^2-37x+1)$  lgdogf]  
A218739 15.1304 [  $x/(36x-1)/(x-1)$  ogf]  
A218739 6.38030 [  $\{a(n+2)-37a(n+1)+36a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218740 10.1839 [  $-(74x-38)/(37x^2-38x+1)$  lgdogf]  
A218740 15.1304 [  $x/(37x-1)/(x-1)$  ogf]  
A218740 6.38030 [  $\{a(n+2)-38a(n+1)+37a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218741 10.2906 [  $-(76x-39)/(38x^2-39x+1)$  lgdogf]  
A218741 15.2889 [  $x/(38x-1)/(x-1)$  ogf]  
A218741 6.44711 [  $\{a(n+2)-39a(n+1)+38a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218742 10.3439 [  $-(78x-40)/(39x^2-40x+1)$  lgdogf]  
A218742 15.3681 [  $x/(39x-1)/(x-1)$  ogf]  
A218742 6.48051 [  $\{a(n+2)-40a(n+1)+39a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218743 10.4505 [  $-(80x-41)/(40x^2-41x+1)$  lgdogf]  
A218743 15.5265 [  $x/(40x-1)/(x-1)$  ogf]  
A218743 6.54733 [  $\{a(n+2)-41a(n+1)+40a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218744 10.4505 [  $-(82x-42)/(41x^2-42x+1)$  lgdogf]  
A218744 15.5265 [  $x/(41x-1)/(x-1)$  ogf]  
A218744 6.54733 [  $\{a(n+2)-42a(n+1)+41a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218745 10.5038 [  $-(84x-43)/(42x^2-43x+1)$  lgdogf]  
A218745 15.6057 [  $x/(42x-1)/(x-1)$  ogf]  
A218745 6.58072 [  $\{a(n+2)-43a(n+1)+42a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218746 10.5572 [  $-(86x-44)/(43x^2-44x+1)$  lgdogf]  
A218746 15.6849 [  $x/(43x-1)/(x-1)$  ogf]  
A218746 6.61413 [  $\{a(n+2)-44a(n+1)+43a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218747 10.6638 [  $-(88x-45)/(44x^2-45x+1)$  lgdogf]

A218747 15.8434 [  $x/(44x-1)/(x-1)$  ogf]  
A218747 6.68094 [  $\{a(n+2)-45a(n+1)+44a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218748 10.6638 [  $-(90x-46)/(45x^2-46x+1)$  lgdogf]  
A218748 15.8434 [  $x/(45x-1)/(x-1)$  ogf]  
A218748 6.68094 [  $\{a(n+2)-46a(n+1)+45a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218749 10.6638 [  $-(92x-47)/(46x^2-47x+1)$  lgdogf]  
A218749 15.8434 [  $x/(46x-1)/(x-1)$  ogf]  
A218749 6.68094 [  $\{a(n+2)-47a(n+1)+46a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218750 10.8771 [  $-(94x-48)/(47x^2-48x+1)$  lgdogf]  
A218750 16.1602 [  $x/(47x-1)/(x-1)$  ogf]  
A218750 6.81455 [  $\{a(n+2)-48a(n+1)+47a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218751 10.8771 [  $-(96x-49)/(48x^2-49x+1)$  lgdogf]  
A218751 16.1602 [  $x/(48x-1)/(x-1)$  ogf]  
A218751 6.81455 [  $\{a(n+2)-49a(n+1)+48a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218752 10.7242 [  $-(100x-51)/(50x^2-51x+1)$  lgdogf]  
A218752 16.2395 [  $x/(50x-1)/(x-1)$  ogf]  
A218752 6.84796 [  $\{a(n+2)-51a(n+1)+50a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218753 10.8771 [  $-(98x-50)/(49x^2-50x+1)$  lgdogf]  
A218753 16.1602 [  $x/(49x-1)/(x-1)$  ogf]  
A218753 6.81455 [  $\{a(n+2)-50a(n+1)+49a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A218759 5.88850 [  $-(2x^6-4x^4+x^3-4x^2-2x-2)/(2x^7-2x^6-2x^5-3x^3-x^2-2x+1)$  ogf]  
A218804 5.38661 [  $-(x^4+3)(x+1)^2/(x^7+x^6+x^5+x^4+3x^3+3x^2+3x-1)$  ogf]  
A218805 5.06543 [  $-(x+1)(x^5+3x^4+5x+7)/(3x^7+3x^6+3x^5+3x^4+7x^3+7x^2+7x-1)$  ogf]  
A218806 4.06364 [  $-(3x^6+12x^5-3x^4+4x^3+9x^2+24x+15)/(9x^7+9x^6+9x^5+9x^4+15x^3+15x^2+15x-1)$  ogf]  
A218832 8.70880 [  $-x(x^4-4x^3+6x^2+8x+1)/(x+1)/(x-1)^5$  ogf]  
A218836 11.2698 [  $-(x+2)(x+1)/(x^3+3x^2+2x-1)$  ogf]  
A218836 6.08371 [  $\{-a(n+3)+2a(n+2)+3a(n+1)+a(n), a(0) = 2, a(1) = 7, a(2) = 21\}$ , ogf]  
A218836 6.87459 [  $-(x^4-6x^3-13x^2-14x-7)/(-x^5-6x^4-13x^3-11x^2-x+2)$  lgdogf]  
A218837 10.3879 [  $-(x+2)^2/(x^3+3x^2+4x-1)$  ogf]  
A218837 5.55845 [  $\{-a(n+3)+4a(n+2)+3a(n+1)+a(n), a(0) = 4, a(1) = 20, a(2) = 93\}$ , ogf]  
A218837 7.72760 [  $-(x^3-6x^2-8x-10)/(-x^4-5x^3-10x^2-7x+2)$  lgdogf]  
A218838 5.77453 [  $-(3x^5-x^4-7x^3+19x^2+8x+7)/(9x^5-9x^4+24x^3+5x^2+7x-1)$  ogf]  
A218843 5.13477 [  $-(2x^8-x^6-7x^5-x^4-7x^3-5x^2-5x-1)/(2x^7-2x^6-2x^5-3x^3-x^2-2x+1)$  ogf]  
A218864 10.0557 [  $-x(x^2+16x+1)/(x+1)^2/(x-1)^3$  ogf]  
A218864 10.7086 [  $-(3x^3-65x^2-23x-17)/(-x^4-16x^3+16x+1)$  lgdogf]  
A218892 6.87139 [  $-2(2x^4+9x^3+4x^2-x-2)/(4x^5+8x^4+5x^3-2x^2-4x+1)$  ogf]  
A218898 9.95549 [  $-2(x^4+x^3-x-2)/(2x^5-3x^2-x+1)$  ogf]  
A218984 12.0870 [  $-(2x^2+3x-4)/(x-1)/(2x^2+4x-1)$  ogf]  
A218984 6.46761 [  $\{a(n+3)-5a(n+2)+2a(n+1)+2a(n), a(0) = 4, a(1) = 17, a(2) = 75\}$ , ogf]  
A218984 7.15833 [  $-(4x^4-12x^3+8x^2+20x-17)/(-4x^5-10x^4+12x^3+21x^2-23x+4)$  lgdogf]  
A218985 12.2433 [  $-(2x^2+2x-5)/(x-1)/(2x^2+4x-1)$  ogf]  
A218985 6.49428 [  $\{a(n+3)-5a(n+2)+2a(n+1)+2a(n), a(0) = 5, a(1) = 23, a(2) = 103\}$ , ogf]  
A218985 7.32198 [  $-(4x^4-8x^3+16x^2+24x-23)/(-4x^5-8x^4+16x^3+18x^2-27x+5)$  lgdogf]  
A218986 12.2433 [  $-(3x^2+2x-4)/(x-1)/(3x^2+4x-1)$  ogf]  
A218986 6.55125 [  $\{-a(n+3)+5a(n+2)-a(n+1)-3a(n), a(0) = 4, a(1) = 18, a(2) = 83\}$ , ogf]  
A218986 7.25089 [  $-(9x^4-12x^3+19x^2+14x-18)/(-9x^5-9x^4+25x^3+11x^2-22x+4)$  lgdogf]

A218987 11.5653 [  $-(3x^2+x-5)/(x-1)/(3x^2+4x-1)$  ogf]  
A218987 6.13465 [  $\{a(n+3)-5a(n+2)+a(n+1)+3a(n), a(0) = 5, a(1) = 24, a(2) = 112\}$ , ogf]  
A218987 6.98500 [  $(-(-9x^4-6x^3+29x^2+16x-24)/(-9x^5-6x^4+29x^3+7x^2-26x+5))$  lgdogf]  
A218988 13.2519 [  $-(4x^2+x-4)/(x-1)/(4x^2+4x-1)$  ogf]  
A218988 6.88578 [  $(-(-16x^4-8x^3+28x^2+8x-19)/(-16x^5-4x^4+36x^3+x^2-21x+4))$  lgdogf]  
A218988 7.31615 [  $\{-a(n+3)+5a(n+2)-4a(n), a(0) = 4, a(1) = 19, a(2) = 91\}$ , ogf]  
A218989 14.5256 [  $-(4x^2-5)/(x-1)/(4x^2+4x-1)$  ogf]  
A218989 7.33769 [  $\{a(n+3)-5a(n+2)+4a(n), a(0) = 5, a(1) = 25, a(2) = 121\}$ , ogf]  
A218989 8.27623 [  $(-(-16x^4+40x^2+8x-25)/(-16x^5+40x^3-4x^2-25x+5))$  lgdogf]  
A218990 11.6547 [  $-(x^2-4x-6)/(x+1)/(x^2-6x+1)$  ogf]  
A218990 6.18208 [  $\{a(n+3)-5a(n+2)-5a(n+1)+a(n), a(0) = 6, a(1) = 34, a(2) = 199\}$ , ogf]  
A218990 7.10939 [  $(-(-x^4+8x^3-7x^2-58x-34)/(-x^5+9x^4-9x^3-51x^2-26x+6))$  lgdogf]  
A218991 5.15787 [  $\{a(n+3)-7a(n+2)+5a(n+1)+a(n), a(0) = 6, a(1) = 36, a(2) = 221\}$ , ogf]  
A218991 9.72385 [  $-(x^2+6x-6)/(x-1)/(x^2+6x-1)$  ogf]  
A218992 5.20997 [  $\{a(n+3)-7a(n+2)+5a(n+1)+a(n), a(0) = 7, a(1) = 44, a(2) = 272\}$ , ogf]  
A218992 9.82207 [  $-(x^2+5x-7)/(x-1)/(x^2+6x-1)$  ogf]  
A218997 6.25578 [  $-2*(36x^4+54x^3+42x^2+15x+2)/(72x^5+63x^4+66x^3+15x^2+4x-1)$  ogf]  
A219003 10.9929 [  $-(3x+1)^2/(9x^3-3x^2+4x-1)$  ogf]  
A219003 5.88218 [  $\{a(n+3)-4a(n+2)+3a(n+1)-9a(n), a(0) = 1, a(1) = 10, a(2) = 46\}$ , ogf]  
A219003 8.70869 [  $(- (27x^3+27x^2-18x+10)/(27x^4+9x^2+x-1))$  lgdogf]  
A219004 5.43293 [  $(- (15x^5+32x^4-28x^3-79x^2-29x-1)/(15x^6+17x^5-45x^4-49x^3+3x^2-7x+1))$  ogf]  
A219020 10.5543 [  $(- (x^2-4x+1)/(x-1)/(x^2-7x+1)/(x^2-3x+1))$  ogf]  
A219021 10.2987 [  $(- (x^2-6x+1)/(x-1)/(x^2-14x+1)/(x^2-4x+1))$  ogf]  
A219054 11.6789 [  $(x^2+5x+2)/(x-1)^4$  ogf]  
A219054 12.2098 [  $(- (2x^2+17x+13)/(x^3+4x^2-3x-2))$  lgdogf]  
A219054 4.02922 [  $\{(2^n+8)*a(n+4)+(-4+3^n)*a(n+3)+(-25-4^n)*a(n+2)+(-3-n)*a(n+1), a(0) = 2, a(1) = 13, a(2) = 41, a(3) = 94\}$ , ogf]  
A219056 10.3890 [  $(- (2x^3+36x^2+66x+16)/(x^4+10x^3-10x-1))$  lgdogf]  
A219056 4.44419 [  $\{(-4n^2-17n-18)*a(n+1)+(8n^2+32n+72)*a(n+2)+(-4n^2-15n-14)*a(n+3), a(0) = 0, a(1) = 3, a(2) = 48\}$ , ogf]  
A219056 8.60166 [  $-3x*(x+1)*(x^2+10x+1)/(x-1)^5$  ogf]  
A219070 7.08759 [  $x*(x^4+31x^3+98x^2+51x+3)/(x-1)^6$  ogf]  
A219070 7.42192 [  $(- (-2x^4-97x^3-485x^2-451x-69)/(-x^5-30x^4-67x^3+47x^2+48x+3))$  lgdogf]  
A219073 4.28482 [  $(- (3x^6+54x^5-15x^4-12x^3-47x^2-22x-5)/(3x^7+33x^6-27x^5-7x^4-51x^3-11x^2-5x+1))$  ogf]  
A219079 8.59704 [  $(- (6x+1)*(x+1)^2/(6x^4+7x^3+x^2+3x-1))$  ogf]  
A219080 4.27489 [  $(- (10x^6+11x^5+21x^4-48x^3-86x^2-35x-1)/(10x^7+x^6+10x^5-61x^4-46x^3-5x^2-6x+1))$  ogf]  
A219085 5.96464 [  $x*(x^5+x^4+7x^3+6x^2+6x+3)/(x^2+1)/(x+1)/(x-1)^4$  ogf]  
A219086 10.1764 [  $(- (15x^2+66x+39)/(5x^3+9x^2-9x-5))$  lgdogf]  
A219086 8.11689 [  $-x*(5x^2+14x+5)/(x-1)^5$  ogf]  
A219100 7.14206 [  $(- (x^4-2x^3+2x^2+3x+2)/(x^5-3x^4+5x^3-2x^2+4x-1))$  ogf]  
A219113 5.25545 [  $\{-a(n+3)+99a(n+2)-99a(n+1)+a(n), a(0) = 1, a(1) = 61, a(2) = 5941\}$ , ogf]  
A219113 5.48799 [  $(- (-x^4+76x^3-3666x^2+196x-61)/(-x^5+137x^4-3862x^3+3862x^2-137x+1))$  lgdogf]  
A219113 9.68973 [  $(- (x^2-38x+1)/(x-1)/(x^2-98x+1))$  ogf]  
A219129 4.77884 [  $(- (4x^7+10x^6+6x^4+5x^3-3x^2+3x-9)/(4x^8+6x^7-6x^6+10x^5-7x^4+6x^3-6x^2-2x+1))$  ogf]  
A219136 5.91839 [  $(- (4x^5+4x^4-3x^3-4x^2-2x-2)/(2x^2+1)/$



$(2*x^4+x^3-3*x^2-2*x+1)$  ogf]  
A219137 4.39966 [  $-(4*x^7+6*x^6-12*x^5-20*x^4-3*x^3+2*x^2+2*x+4)/(4*x^8+2*x^7-10*x^6-12*x^5+x^3+x^2+4*x-1)$  ogf]  
A219143 8.47767 [  $-(4*x^4-2*x^3+5*x^2+4*x+1)/(2*x^4-x^3+x^2+2*x-1)$  ogf]  
A219150 10.0172 [  $(x^3-3*x^2-2)/(x^5+4*x^3-x^2+2*x-1)$  ogf]  
A219151 3.63998 [  $-(3*x^8-2*x^7-3*x^6+16*x^5-18*x^4+26*x^3-20*x^2+7*x-4)/(x^2-x+1)/(4*x^8+7*x^7-3*x^6-x^5-9*x^4-9*x^3+2*x^2-3*x+1)$  ogf]  
A219167 7.36168 [  $(x^5-13*x^4+22*x^3-18*x^2+8*x-3)/(x-1)^5$  ogf]  
A219190 10.1906 [  $-2*x*(2*x^2+x+2)/(x+1)^2/(x-1)^3$  ogf]  
A219190 11.3073 [  $-(6*x^3+6*x^2+15*x+3)/(2*x^4+x^3-x-2)$  lgdogf]  
A219191 11.0303 [  $-(-9*x^3-7*x^2-22*x-4)/(-3*x^4-x^3+x+3)$  lgdogf]  
A219191 9.94086 [  $-2*x*(3*x^2+x+3)/(x+1)^2/(x-1)^3$  ogf]  
A219205 11.8101 [  $-(54*x-12)/(27*x^2-12*x+1)$  lgdogf]  
A219205 15.7468 [  $2*x/(9*x-1)/(3*x-1)$  ogf]  
A219205 7.39910 [  $\{a(n+2)-12*a(n+1)+27*a(n), a(0) = 0, a(1) = 2\}$ , ogf]  
A219211 6.29023 [  $(x^7-4*x^6+8*x^5-16*x^4+23*x^3-22*x^2+12*x-3)/(x-1)^5$  ogf]  
A219222 4.56042 [  $-(2*x^16+28*x^15+20*x^14+33*x^13+40*x^12+26*x^11+32*x^10+32*x^9+37*x^8+32*x^7+25*x^6+20*x^5+13*x^4+10*x^3+8*x^2+5*x+2)/(4*x^9-1)$  ogf]  
A219233 11.4172 [  $-(3*x^2+4*x+3)/(-x^4-3*x^3+3*x+1)$  lgdogf]  
A219233 14.9123 [  $-(x-1)*(x+1)/(x^2+3*x+1)$  ogf]  
A219233 7.16376 [  $\{-a(n+3)-3*a(n+2)-a(n+1), a(0) = 1, a(1) = -3, a(2) = 7\}$ , ogf]  
A219257 10.6386 [  $-(27*x^3+25*x^2+67*x+13)/(9*x^4+4*x^3-4*x-9)$  lgdogf]  
A219257 9.98188 [  $-x*(9*x^2+4*x+9)/(x+1)^2/(x-1)^3$  ogf]  
A219258 10.4081 [  $-(-75*x^3-41*x^2-179*x-29)/(-25*x^4-4*x^3+4*x+25)$  lgdogf]  
A219258 9.90649 [  $-x*(25*x^2+4*x+25)/(x+1)^2/(x-1)^3$  ogf]  
A219259 10.3117 [  $-(-69*x^3-39*x^2-165*x-27)/(-23*x^4-4*x^3+4*x+23)$  lgdogf]  
A219259 9.81476 [  $-x*(23*x^2+4*x+23)/(x+1)^2/(x-1)^3$  ogf]  
A219286 6.76295 [  $(x^6+2*x^5-14*x^4+23*x^3-19*x^2+9*x-3)/(x-1)^5$  ogf]  
A219293 6.88809 [  $(2*x^6-5*x^5-2*x^4+10*x^3-12*x^2+8*x-3)/(x-1)^5$  ogf]  
A219349 6.41177 [  $(x^7-3*x^6+7*x^5-17*x^4+25*x^3-23*x^2+12*x-3)/(x-1)^5$  ogf]  
A219355 9.27239 [  $x*(2*x^7+5*x^6+8*x^5+2*x^4-6*x^3+2*x+1)/(x^3+x^2+x-1)^2$  ogf]  
A219367 3.95373 [  $(6*x^9-25*x^8+84*x^7-219*x^6+353*x^5-349*x^4+215*x^3-87*x^2+23*x-4)/(x-1)^9$  ogf]  
A219382 5.42550 [  $-(x^9-6*x^8+13*x^7-14*x^6+5*x^5+15*x^4-35*x^3+39*x^2-23*x+6)/(x-1)^5$  ogf]  
A219389 10.5632 [  $-((33*x^3+27*x^2+81*x+15)/(11*x^4+4*x^3-4*x-11))$  lgdogf]  
A219389 9.92689 [  $-x*(11*x^2+4*x+11)/(x+1)^2/(x-1)^3$  ogf]  
A219390 10.6378 [  $-(-9*x^3-7*x^2-22*x-4)/(-3*x^4-x^3+x+3)$  lgdogf]  
A219390 9.35613 [  $-4*x*(3*x^2+x+3)/(x+1)^2/(x-1)^3$  ogf]  
A219391 7.24574 [  $-x*(3*x^6+5*x^5+11*x^4+4*x^3+11*x^2+5*x+3)/(x+1)^2/(x^2+1)^2/(x-1)^3$  ogf]  
A219392 10.8027 [  $-(-15*x^3-9*x^2-36*x-6)/(-5*x^4-x^3+x+5)$  lgdogf]  
A219392 9.63131 [  $-4*x*(5*x^2+x+5)/(x+1)^2/(x-1)^3$  ogf]  
A219393 10.3908 [  $-x*(21*x^2+4*x+21)/(x+1)^2/(x-1)^3$  ogf]  
A219393 10.9169 [  $-(-63*x^3-37*x^2-151*x-25)/(-21*x^4-4*x^3+4*x+21)$  lgdogf]  
A219394 10.2259 [  $-(-45*x^3-31*x^2-109*x-19)/(-15*x^4-4*x^3+4*x+15)$  lgdogf]  
A219394 9.73305 [  $-x*(15*x^2+4*x+15)/(x+1)^2/(x-1)^3$  ogf]  
A219395 10.0197 [  $-4*x*(4*x^2+x+4)/(x+1)^2/(x-1)^3$  ogf]  
A219395 11.2383 [  $-(-12*x^3-8*x^2-29*x-5)/(-4*x^4-x^3+x+4)$  lgdogf]  
A219396 9.44786 [  $-x*(17*x^2+4*x+17)/(x+1)^2/(x-1)^3$  ogf]  
A219396 9.92623 [  $-(-51*x^3-33*x^2-123*x-21)/(-17*x^4-4*x^3+4*x+17)$  lgdogf]  
A219398 4.76558 [  $(2*x^7+7*x^6-7*x^5-3*x^4-9*x^3+12*x^2-8*x+4)/(2*x^7+5*x^6-2*x^5-4*x^4-3*x^3+2*x^2-3*x+1)$  ogf]  
A219405 5.19088 [  $\{a(n+3)-4*a(n+2)-15*a(n+1)-9*a(n), a(0) = 4, a(1) = 28, a(2) = 181\}$ , ogf]  
A219405 6.92117 [  $-(-27*x^3-54*x^2-48*x-14)/(-27*x^4-63*x^3-42*x^2-5*x+2)$  lgdogf]  
A219405 9.55781 [  $-(3*x+2)^2/(9*x^3+15*x^2+4*x-1)$  ogf]  
A219406 4.57123 [  $-(2*x+1)*(6*x^4+2*x^3-44*x^2-35*x-7)/(4*x^6+11*x^5-27*x^4-96*x^3-57*x^2-7*x+1)$  ogf]  
A219411 6.80034 [  $-(4*x^4+x^3+3*x^2+3*x+1)/(x^2-x+1)/(4*x^3+x^2+3*x-1)$  ogf]

A219422 5.21296 [  $-(2*x^7+9*x^6+9*x^5-x^4-7*x^3-5*x^2-5*x-1)/(2*x^2+1)/(2*x^4+x^3-3*x^2-2*x+1)$  ogf]  
A219462 13.7112 [  $-(50*x-15)/(25*x^2-15*x+1)$  lgdogf]  
A219462 18.2816 [  $5*x/(25*x^2-15*x+1)$  ogf]  
A219462 8.59017 [  $\{a(n+2)-15*a(n+1)+25*a(n), a(0) = 0, a(1) = 5\}$ , ogf]  
A219465 4.57150 [  $(x^7+2*x^6-10*x^5+8*x^4+7*x^3-19*x^2+13*x-4)/(x-1)^9$  ogf]  
A219472 3.51654 [  $(7*x^{11}-49*x^{10}+129*x^9-124*x^8-35*x^7+91*x^6+153*x^5-424*x^4+413*x^3-221*x^2+67*x-10)/(x-1)^9$  ogf]  
A219498 8.49486 [  $(x^5+2*x^4-11*x^3+14*x^2-9*x+4)/(x-1)^4$  ogf]  
A219499 6.73622 [  $(3*x^6-4*x^5-12*x^4+32*x^3-31*x^2+16*x-5)/(x-1)^5$  ogf]  
A219500 5.72860 [  $(x^8+x^7-10*x^6+46*x^4-77*x^3+59*x^2-25*x+6)/(x-1)^6$  ogf]  
A219501 4.50591 [  $(3*x^9-8*x^8-2*x^7+13*x^6+38*x^5-134*x^4+161*x^3-101*x^2+36*x-7)/(x-1)^7$  ogf]  
A219514 6.34024 [  $(2*x^7-5*x^6+9*x^5-17*x^4+23*x^3-21*x^2+11*x-3)/(x-1)^5$  ogf]  
A219520 6.31005 [  $-(x^8-4*x^7+11*x^5-7*x^4-11*x^3+21*x^2-14*x+4)/(x-1)^5$  ogf]  
A219527 6.54950 [  $(x^5-x^4-2*x^3+4*x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A219529 11.0265 [  $(x+1)^4/(x^2+x+1)/(x-1)^2$  ogf]  
A219529 13.2662 [  $-(-5*x^2-2*x-5)/(-x^4-x^3+x+1)$  lgdogf]  
A219529 33.8130 [  $x^2-4*x+5$  ogf\_with\_Euler\_transform]  
A219547 4.38121 [  $8*(x^2+1)*(x^8-x^7+x^5-x^4+x^3-x+1)*(x^2+x+1)^2/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A219555 16.0893 [  $-(-x-2)/(x^4-2*x^2+1)$  ogf\_with\_Euler\_transform]  
A219572 3.91401 [  $(5*x^9-33*x^8+127*x^7-296*x^6+420*x^5-376*x^4+218*x^3-86*x^2+23*x-4)/(x-1)^9$  ogf]  
A219579 6.07765 [  $(3*x^6-17*x^5+50*x^4-59*x^3+33*x^2-11*x+4)/(x-1)^6$  ogf]  
A219587 14.0914 [  $-(5*x-1)/(4*x^3+6*x^2-7*x+1)$  ogf]  
A219587 6.66823 [  $\{a(n+3)-7*a(n+2)+6*a(n+1)+4*a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A219587 8.58439 [  $-(40*x^3+18*x^2-12*x+2)/(20*x^4+26*x^3-41*x^2+12*x-1)$  lgdogf]  
A219589 7.15431 [  $(2*x^5-12*x^4+19*x^3-16*x^2+8*x-3)/(x-1)^5$  ogf]  
A219601 12.4982 [  $-(-x^4-x^3-x^2-x-1)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A219607 10.1310 [  $-(-x^7-x^6+x^5+x^3-x^2-x)/(-x^{10}+1)$  ogf\_with\_Euler\_transform]  
A219619 7.11856 [  $-(-3*x^4-24*x^3-66*x^2-24*x-3)/(-3*x^5-3*x^4-10*x^3+18*x^2-3*x+1)$  lgdegf]  
A219619 7.48932 [  $-(3*x^4+6*x^3+16*x^2-2*x+1)/(x-1)^5$  egf]  
A219621 3.98295 [  $\{(-131*n^2-983*n-1770)*a(n+1)+(232*n^2+1062*n+74)*a(n+2)+(-101*n^2-199*n+312)*a(n+3), a(0) = 3, a(1) = 11, a(2) = 27\}$ , ogf]  
A219621 8.92730 [  $-(x^3+2*x^2-4*x+3)/(x-1)^5$  ogf]  
A219621 9.47165 [  $-(2*x^3+9*x^2-12*x+11)/(x^4+x^3-6*x^2+7*x-3)$  lgdogf]  
A219628 6.37400 [  $(x^7+x^6-12*x^5+7*x^4+16*x^3-29*x^2+19*x-6)/(x-1)^5$  ogf]  
A219656 4.31823 [  $x*(x^{27}-x^{23}+x^{22}-x^{20}-x^{19}+x^{17}-x^{15}+x^{13}-x^{11}+x^9+x^2-x-1)/(x+1)/(x^4+1)/(x^{16}-x^{12}+x^8-x^4+1)/(x-1)^3$  ogf]  
A219657 4.40290 [  $x*(x^{27}-x^{23}+2*x^{22}-2*x^{20}-x^{19}+x^{17}-x^{15}+x^{13}-x^{11}+x^9+2*x^2-x-2)/(x+1)/(x^4+1)/(x^{16}-x^{12}+x^8-x^4+1)/(x-1)^3$  ogf]  
A219680 6.91796 [  $(x^6-2*x^5-5*x^4+16*x^3-19*x^2+11*x-3)/(x-1)^5$  ogf]  
A219699 7.32302 [  $(5*x^5-15*x^4+20*x^3-18*x^2+10*x-3)/(x-1)^5$  ogf]  
A219708 4.06192 [  $-(3*x^8-24*x^7+79*x^6-147*x^5+173*x^4-135*x^3+71*x^2-23*x+4)/(x-1)^9$  ogf]  
A219715 4.75490 [  $-(4*x^9-30*x^8+31*x^7-16*x^6+27*x^5-98*x^4+150*x^3-117*x^2+47*x-10)/(x-1)^6$  ogf]  
A219721 10.7691 [  $(x^4+7*x^3+5*x^2+7*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A219737 3.99427 [  $-(x+1)*(x^7-3*x^6+2*x^5+2*x^4+x^3-14*x^2-14*x-7)/(x^8-3*x^7+x^6+6*x^5-4*x^4-15*x^3-10*x^2-x+1)$  ogf]  
A219751 13.1004 [  $-x^4*(x^2+3*x-2)/(x+1)/(2*x-1)^2$  ogf]  
A219751 4.36680 [  $\{(-2*n-16)*a(n+1)+(-n-9)*a(n+2)+(n+7)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 2, a(5) = 3\}$ , ogf]  
A219751 9.86574 [  $-(2*x^3+13*x^2-4*x-3)/(2*x^4+7*x^3-2*x^2-5*x+2)$  lgdogf]  
A219752 9.24391 [  $-2*x^4*(x-1)*(x^3+x^2+x-1)/(x+1)/(x^2+x-1)/(2*x-1)^2$  ogf]  
A219753 9.40147 [  $-x^4*(x-1)*(x^3+x^2+x-1)/(x+1)/(x^2+x-1)/(2*x-1)^2$  ogf]

A219754 10.2460 [  $(-(-4x^3-6x^2+5x+1)/(-2x^4-3x^3+2x^2+2x-1) \lg\text{dogf})$   
A219754 10.6452 [  $-x^4*(x^2+x-1)/(x+1)^2/(2x-1)^2 \text{ ogf}$   
A219754 4.26916 [  $\{( -2^n-12n-14) * a(n+1) + (-n^2-5n) * a(n+2) + (n^2+4n+2) * a(n+3),$   
 $a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1\}, \text{ ogf}$   
A219755 10.5045 [  $-x^4*(x^3+3x^2-1)/(x+1)^2/(2x-1)^2 \text{ ogf}$   
A219755 3.81531 [  $\{( -2^n-26n+72) * a(n+1) + (-n^2-12n+69) * a(n$   
 $+2) + (n^2+11n-48) * a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1, a(5)$   
 $= 2\}, \text{ ogf}$   
A219755 8.33862 [  $(-(-2x^4-11x^3-3x^2+2x+2)/(-2x^5-7x^4-2x^3+5x^2+x-1)$   
 $\lg\text{dogf}$   
A219756 5.25219 [  $-x^4*(5x^5-11x^4+18x^3-17x^2+7x-1)/(x-1)^2/(3x-1)^2/$   
 $(x^2-3x+1)^2 \text{ ogf}$   
A219757 6.15965 [  $x^4*(x^4-x^3-6x^2+7x-2)/(x-1)/(x^2-3x+1)/(2x-1)^4 \text{ ogf}$   
A219758 5.95210 [  $x^4*(4x^4-2x^3-5x^2+6x-2)/(x-1)^2/(2x-1)^5 \text{ ogf}$   
A219759 4.25242 [  $x^4*(16x^6-57x^5+41x^4+8x^3-24x^2+12x-2)/(x-1)/(x^2-3x$   
 $+1)/(2x-1)^6 \text{ ogf}$   
A219768 7.56861 [  $(2x^2-2x+1)*(x^3-2x^2+3x-3)/(x-1)^5 \text{ ogf}$   
A219774 6.51397 [  $(-2x^8-6x^7+3x^6+5x^5-17x^3+24x^2-14x+4)/(x-1)^5 \text{ ogf}$   
A219779 3.62168 [  $\{(n^3+6n^2+12n+8) * a(n+1) + (-3n^2-18n-27) * a(n+2) + (3n+12) * a(n$   
 $+3) - a(n+4), a(0) = 1, a(1) = 3, a(2) = 15, a(3) = 100\}, \text{ ogf}$   
A219788 11.1192 [  $(-2x^3-7x^2+4x+3)/(x^4-3x^3+5x-2) \lg\text{dogf}$   
A219788 15.1054 [  $-(x-2)/(x^3-x^2-2x+1) \text{ ogf}$   
A219788 7.14809 [  $\{a(n+3)-2a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 3, a(2) = 8\},$   
 $\text{ ogf}$   
A219803 5.81211 [  $(x^7+x^6-15x^5+43x^4-59x^3+46x^2-20x+4)/(x-1)^6 \text{ ogf}$   
A219810 7.37776 [  $(2x^5-11x^4+17x^3-16x^2+9x-3)/(x-1)^5 \text{ ogf}$   
A219837 4.26785 [  $x^4*(x^6-25x^5+21x^4+7x^3-18x^2+10x-2)/(x-1)^3/(2x-1)^6$   
 $\text{ ogf}$   
A219846 7.83158 [  $(-(-2x^4+6x^3-12x^2+10x-7)/(-2x^5+9x^4-18x^3+19x^2-11x$   
 $+3) \lg\text{dogf}$   
A219846 8.23948 [  $(-2x^4-7x^3+11x^2-8x+3)/(x-1)^5 \text{ ogf}$   
A219853 9.47048 [  $(-2x^6+x^4-3x^3+14x^2-11x+6)/(x-1)^3 \text{ ogf}$   
A219933 4.69681 [  $(12x^6-39x^5+45x^4-16x^3-13x^2+13x-4)/(x-1)^9 \text{ ogf}$   
A219940 5.40537 [  $(11x^7-51x^6+109x^5-67x^4-43x^3+76x^2-37x+10)/(x-1)^6$   
 $\text{ ogf}$   
A219968 8.99424 [  $-(x-1)^2*(x^2+x+1)^2/(x^9+x^7-x^6-2x^4+3x^3+x-1) \text{ ogf}$   
A219977 13.1461 [  $1/(x^2+1)/(x+1) \text{ ogf}$   
A219977 21.4977 [  $[x^3-1] \text{ ogf\_with\_Euler\_transform}$   
A219977 4.85577 [  $\{-a(n+3)-a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = -1, a(2) = 0\},$   
 $\text{ ogf}$   
A220000 7.07035 [  $(16x^7+15x^6+16x^5+15x^4+16x^3+16x^2+15x+16)/(x+1)/$   
 $(x^4+1)/(x^2+1)/(x-1)^2 \text{ ogf}$   
A220011 5.82562 [  $(x^7+x^6-10x^5+32x^4-46x^3+37x^2-17x+4)/(x-1)^6 \text{ ogf}$   
A220018 10.0299 [  $(8x^4-13x^3-8x^2+x-4)/(x-1)^3 \text{ ogf}$   
A220018 7.74584 [  $(-8x^4-32x^3+47x^2+14x+11)/$   
 $(-8x^5+21x^4-5x^3-9x^2+5x-4) \lg\text{dogf}$   
A220019 10.8343 [  $(88x^5-142x^4-63x^3-24x^2-15x-4)/(x-1)^3 \text{ ogf}$   
A220019 7.70254 [  $(-176x^5-582x^4+568x^3+213x^2+78x+27)/$   
 $(-88x^6+230x^5-79x^4-39x^3-9x^2-11x-4) \lg\text{dogf}$   
A220020 10.3030 [  $(-8x^4-32x^3+46x^2+16x+10)/$   
 $(-8x^5+21x^4-6x^3-6x^2+2x-3) \lg\text{dogf}$   
A220020 13.0075 [  $2*(8x^4-13x^3-7x^2-x-3)/(x-1)^3 \text{ ogf}$   
A220020 6.93733 [  $\{-a(n+5)+3a(n+4)-3a(n+3)+a(n+2), a(0) = 6, a(1) = 20, a(2) =$   
 $56, a(3) = 140, a(4) = 256\}, \text{ ogf}$   
A220021 12.7391 [  $(-(-x^2+22x+27)/(-5x^4+19x^3-17x^2+13x-10) \lg\text{dogf}$   
A220021 13.9951 [  $(5x^3-14x^2+3x-10)/(x-1)^3 \text{ ogf}$   
A220021 7.25294 [  $\{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 10, a(1) = 27, a(2) =$   
 $65, a(3) = 119\}, \text{ ogf}$   
A220029 7.34328 [  $(3x^5-11x^4+19x^3-20x^2+13x-5)/(x-1)^5 \text{ ogf}$   
A220030 6.18190 [  $(2x^3-6x^2+6x-3)*(2x^3-4x^2+3x-2)/(x-1)^6 \text{ ogf}$   
A220031 4.86315 [  $(x^8-x^7-17x^6+66x^5-113x^4+115x^3-76x^2+31x-7)/(x-1)^7$

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ogf]
A220033 9.90134 [ (x^5+3*x^4-3*x^3-4*x^2+6*x-4)/(x-1)^3 ogf]
A220034 6.72510 [ (x^8-x^7+2*x^6+3*x^5-12*x^4+2*x^3+13*x^2-12*x+5)/(x-1)^4 ogf]
A220035 5.14958 [
(x^10+3*x^9-8*x^8+4*x^7+3*x^6-21*x^5+24*x^4+10*x^3-31*x^2+20*x-6)/(x-1)^5 ogf]
A220036 3.99506 [ (x^13-
x^12+x^11+3*x^10-21*x^9+24*x^8+3*x^7-35*x^6+59*x^5-26*x^4-45*x^3+61*x^2-30*x+7)/
(x-1)^6 ogf]
A220045 5.14113 [ -
(2*x^9-6*x^8+4*x^7+6*x^6+3*x^5-55*x^4+105*x^3-97*x^2+47*x-10)/(x-1)^6 ogf]
A220082 8.00187 [ -(x^5+9*x^4+38*x^3+38*x^2+29*x+5)/(x^6+4*x^5+9*x^4-9*x^2-4*x-1)
lgdogf]
A220082 9.10851 [ -(x^4+4*x^3+10*x^2+4*x+1)/(x+1)^2/(x-1)^3 ogf]
A220083 12.2126 [ -(4*x^2+28*x+13)/(4*x^3+6*x^2-9*x-1) lgdogf]
A220083 13.0005 [ -(4*x^2+10*x+1)/(x-1)^3 ogf]
A220083 7.07046 [ {a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 13, a(2) =
40}, ogf]
A220084 11.5140 [ (8*x^2+11*x+1)/(x-1)^4 ogf]
A220084 11.8527 [ -(16*x^2+49*x+15)/(8*x^3+3*x^2-10*x-1) lgdogf]
A220084 3.95090 [ {(n+4)*a(n+4)+(15+10*n)*a(n+3)+(-55-3*n)*a(n+2)+(-24-8*n)*a(n
+1), a(0) = 1, a(1) = 15, a(2) = 62, a(3) = 162}, ogf]
A220087 15.9947 [ (53*x-26)/(2*x-1)/(x-1) ogf]
A220087 8.94940 [ {-a(n+2)+3*a(n+1)-2*a(n), a(0) = -26, a(1) = -25}, ogf]
A220087 9.89145 [ -(-106*x^2+104*x-25)/(-106*x^3+211*x^2-131*x+26) lgdogf]
A220088 15.6615 [ (161*x-80)/(2*x-1)/(x-1) ogf]
A220088 8.94940 [ {-a(n+2)+3*a(n+1)-2*a(n), a(0) = -80, a(1) = -79}, ogf]
A220088 9.89145 [ -(-322*x^2+320*x-79)/(-322*x^3+643*x^2-401*x+80) lgdogf]
A220089 15.8413 [ (485*x-242)/(2*x-1)/(x-1) ogf]
A220089 9.02587 [ {-a(n+2)+3*a(n+1)-2*a(n), a(0) = -242, a(1) = -241}, ogf]
A220089 9.70281 [ -(-970*x^2+968*x-241)/(-970*x^3+1939*x^2-1211*x+242) lgdogf]
A220094 10.8921 [ -(1620*x-99)/(810*x^2-99*x+1) lgdogf]
A220094 16.1910 [ 45/(90*x-1)/(9*x-1) ogf]
A220094 6.73109 [ {-a(n+2)+99*a(n+1)-810*a(n), a(0) = 45, a(1) = 4455}, ogf]
A220097 7.04490 [ (-2*x^2-4*x-1+(4*x^4+16*x^3+21*x^2+10*x+1)^(1/2))/(x+1)^2
revogf]
A220101 4.13669 [ {(4*n^2+14*n+12)*a(n+1)+(3*n^2+22*n+43)*a(n+2)+(-
n^2-7*n-10)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 6}, ogf]
A220123 10.0954 [ -(x-1)*(x+1)*(x^2+1)/(x^8-x^6+x^5-5*x^4-x^2-x+1) ogf]
A220128 10.2658 [ -(3*x^4+4*x^3+4*x^2+2*x+1)/(x^2+x+1)/(x-1)/(x+1) ogf]
A220129 7.13997 [ -(2*x^2+x+1)*(5*x^4+3*x^3+4*x^2+x+1)/(x-1)/(x+1)/(x^2+1)/
(x^2+x+1) ogf]
A220147 3.86709 [ {(373*n^2+2913*n+5382)*a(n+1)+(-708*n^2-3665*n-1671)*a(n
+2)+(335*n^2+904*n-303)*a(n+3), a(0) = 3, a(1) = 11, a(2) = 26}, ogf]
A220147 8.80097 [ -(2*x^3+x^2-4*x+3)/(x-1)^5 ogf]
A220147 9.33761 [ -(4*x^3+9*x^2-14*x+11)/(2*x^4-x^3-5*x^2+7*x-3) lgdogf]
A220154 10.3818 [ (4*x^4-8*x^3-8*x^2+7*x-6)/(x-1)^3 ogf]
A220154 8.50424 [ -(4*x^4-16*x^3+32*x^2+2*x+11)/(-4*x^5+12*x^4-15*x^2+13*x-6)
lgdogf]
A220172 7.86313 [ -2*(4*x^6-4*x^3+2*x^2-x+1)/(2*x-1)/(2*x^3-1)^2 ogf]
A220185 10.7662 [ 2*x*(x-5)/(x-1)/(x^2-34*x+1) ogf]
A220185 5.56872 [ {-a(n+3)+35*a(n+2)-35*a(n+1)+a(n), a(0) = 0, a(1) = 10, a(2) =
348}, ogf]
A220185 7.17747 [ -(2*x^3-50*x^2+350*x-174)/(x^4-40*x^3+210*x^2-176*x+5) lgdogf]
A220186 5.03933 [ {a(n+3)-99*a(n+2)+99*a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) =
800}, ogf]
A220186 7.33573 [ -(-2*x^3+96*x^2+198*x-100)/(-x^4+98*x^3-98*x+1) lgdogf]
A220186 9.82242 [ -8*(x+1)*x/(x-1)/(x^2-98*x+1) ogf]
A220190 6.93391 [ -(8*x^16-8*x^15+3*x^13+x^12-4*x^11+5*x^5+2*x^4-4*x^3+x^2-x+6)/
(x-1) ogf]
A220191 4.41807 [ (4*x^9+4*x^8+14*x^7+2*x^6+5*x^5-19*x^4-10*x^3-9*x^2-2*x-2)/
(6*x^7+2*x^6+16*x^5+2*x^4+8*x^3+2*x^2+2*x-1) ogf]

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A220198 3.95020 [  $(4x^9 - 29x^8 + 119x^7 - 277x^6 + 386x^5 - 350x^4 + 215x^3 - 92x^2 + 26x - 4)/(x-1)^9$  ogf ]  
A220205 6.15301 [  $(3x^6 - 18x^5 + 48x^4 - 57x^3 + 36x^2 - 14x + 4)/(x-1)^6$  ogf ]  
A220212 10.6256 [  $-x(11x+1)/(x-1)^5$  ogf ]  
A220212 15.5297 [  $-(-44x-16)/(-11x^2+10x+1)$  lgdogf ]  
A220212 5.27807 [  $\{(-2-n)*a(n+3)+(6-10*n)*a(n+2)+(44+11*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 16\}$ , ogf ]  
A220213 3.96929 [  $-(4x^8+5x^7+12x^6+16x^5+13x^4+11x^3+7x^2+2x+2)/(4x^9+4x^8+11x^7+12x^6+9x^5+7x^4+3x^3+2x^2+2x-1)$  ogf ]  
A220221 7.82895 [  $(12x^8-2x^7-10x^6+4x^5-2x^4-2x^3-2x^2+1)/(2x-1)/(x-1)$  ogf ]  
A220227 5.04638 [  $-(x^2+x+1)*(x^2+1)*(x-1)*(2x+1)^2/(4x^8+2x^7+4x^6-3x^5-x^4-6x^3-x^2-2x+1)$  ogf ]  
A220236 13.5212 [  $3*(4x-3)/(x-1)/(2x-1)/(4x-1)$  ogf ]  
A220236 6.41090 [  $\{-a(n+3)+7a(n+2)-14a(n+1)+8a(n), a(0) = 9, a(1) = 51, a(2) = 231\}$ , ogf ]  
A220236 8.35578 [  $-(64x^3-128x^2+84x-17)/(32x^4-80x^3+70x^2-25x+3)$  lgdogf ]  
A220249 7.19907 [  $-(987x^{22}-1034x^{21}+144x^9-162x^8+21x^4-28x^3+3x^2-5x-2)/(x-1)^2$  ogf ]  
A220250 7.10711 [  $-2*(32x^4-16x^2+4x+1)/(4x-1)/(2x-1)^2/(2x+1)^2$  ogf ]  
A220255 3.97732 [  $-(x^{11}+x^{10}-2x^9-3x^8+4x^7+5x^6+2x^5+x^4-5x^3-3x^2+4x+2)/(2x^9+2x^8-2x^7-3x^6-4x^5+4x^4+3x^3-1)$  ogf ]  
A220297 4.41263 [  $(x-1)*(3832x^5-4660x^4+2062x^3-406x^2+35x-1)/(11680x^6-20980x^5+13840x^4-4280x^3+645x^2-44x+1)$  ogf ]  
A220304 4.01390 [  $(x^9+x^8+2x^7+2x^6+5x^5+2x^4+3x^3+3x^2+x+2)/(x^{10}-3x^9+x^8-3x^7-3x^6-6x^4+x^3-x^2-3x+1)$  ogf ]  
A220309 4.29138 [  $-(x^9-2x^8-5x^7+6x^6+8x^5-5x^4-7x^3+x+2)/(x^9-x^8-2x^7-2x^6+9x^5-3x^4-8x^3+2x^2+4x-1)$  ogf ]  
A220324 7.90784 [  $-2*(x^3-x^2+x+1)/(6x^4+3x^3-9x^2+7x-1)$  ogf ]  
A220360 10.0976 [  $-x*(x^2+3x-6)/(x^2+4x-1)/(x^2-x-1)$  ogf ]  
A220361 10.8696 [  $(x^2+4x+1)/(x^2+4x-1)/(x^2-x-1)$  ogf ]  
A220362 11.0432 [  $x*(x+3)/(x^2+4x-1)/(x^2-x-1)$  ogf ]  
A220362 7.10703 [  $-(-3x^4-18x^3-21x^2+36x+10)/(-x^5-6x^4-3x^3+21x^2+8x-3)$  lgdogf ]  
A220363 10.3881 [  $(x^2-4x+1)/(x^2+4x-1)/(x^2-x-1)$  ogf ]  
A220381 6.05588 [  $-(3x^4+3x^3-4x^2-9x-4)/(2x^5+3x^4-3x^3-8x^2-4x+1)$  ogf ]  
A220414 10.6170 [  $-(-5x^2+26x-73)/(-5x^3+43x^2-83x+13)$  lgdogf ]  
A220414 15.9256 [  $-(5x-13)/(x^2-6x+1)$  ogf ]  
A220414 8.72114 [  $\{a(n+2)-6a(n+1)+a(n), a(0) = 13, a(1) = 73\}$ , ogf ]  
A220425 10.9655 [  $(x^3-4x^2+1)/(2x-1)/(x-1)^3$  ogf ]  
A220425 8.00484 [  $-(-2x^4+12x^3+7x^2-16x+5)/(-2x^5+11x^4-13x^3+2x^2+3x-1)$  lgdogf ]  
A220433 16.2722 [  $1/6x*(x^2-6x+6)$  revegf ]  
A220433 3.39327 [  $\{(9n^3-n)*a(n)+(18n^3+84n^2+94n+32)*a(n+1)+(24n^2+80n+72)*a(n+2)+(-16-8n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf ]  
A220436 8.47862 [  $-4*(x^4-4x^3-11x^2+4x+1)/(x-1)/(x^2+3x+1)/(x^2-7x+1)$  ogf ]  
A220437 4.31622 [  $-2*(2x^6-2x^5-11x^4+13x^3-5x^2-x+3)/(x-1)/(x^4-11x^3+25x^2-11x+1)/(x^4+7x^3+13x^2+7x+1)$  ogf ]  
A220438 5.73109 [  $-(2x^6-2x^5-11x^4+13x^3-5x^2-x+3)/(x-1)/(x^4-11x^3+25x^2-11x+1)/(x^4+7x^3+13x^2+7x+1)$  ogf ]  
A220442 8.70336 [  $-2*(15x-2)*(45x^2-15x+1)/(6x-1)/(3x-1)/(12x-1)/(9x-1)$  ogf ]  
A220443 13.1403 [  $9*(x+1)*x/(x-1)^4$  ogf ]  
A220443 19.4118 [  $-(3x+5)/(x^2-1)$  lgdogf ]  
A220443 40.4020 [  $[5-x]$  ogf\_with\_Euler\_transform ]  
A220443 6.37404 [  $\{(n+2)*a(n+3)-5a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 9, a(2) = 45\}$ , ogf ]  
A220449 4.74012 [  $\{(n^3+10n^2+34n+40)*a(n+1)+(2n+7)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 1, a(2) = -10\}$ , ogf ]

A220452 10.4200  $(8*x^3+4*x^2+2*(-2*x^3+5*x^2-4*x+1)^{(1/2)}-8*x+1)/(4*x^2+2*x-1)/(-1+2*x)$  lgdegf  
A220452 4.13185  $[ \{ (-2*n-6)*a(n+1)+(4*n+14)*a(n+2)+(-2*n-9)*a(n+3)+a(n+4), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 37 \}, ogf]$   
A220452 6.96293  $[(8*x^3+4*x^2+2*(-2*x^3+5*x^2-4*x+1)^{(1/2)}-8*x+1)/(4*x^2+2*x-1)/(-1+2*x)$  lgdegf]  
A220468 8.07443  $[ -(6*x^9+2*x^8+4*x^7+5*x^6+2*x^5+3*x^4+4*x^3+2*x^2+10*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A220469 5.99634  $[ -1/(x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A220493 5.78064  $[ -1/(x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A220509 8.13343  $[ (11*x^4-6*x^3+8*x^2-1)/(3*x-1)/(x-1)^4$  ogf]  
A220511 5.59146  $[ (29*x^6+30*x^5+459*x^4-46*x^3+9*x^2-1)/(5*x-1)/(x-1)^6$  ogf]  
A220528 4.00816  $[ (55*x^8+546*x^7+8966*x^6+14692*x^5+6726*x^4-694*x^3-50*x^2-1)/(7*x-1)/(x-1)^8$  ogf]  
A220538 3.64568  $[ (9*x^{11}-24*x^{10}+38*x^9-39*x^8+43*x^7-33*x^6+42*x^5-36*x^4+18*x^3-7*x^2+1)/(x+1)/(2*x-1)/(3*x^7-5*x^6+4*x^5-x^4+6*x^3-3*x^2+3*x-1)$  ogf]  
A220542 4.45108  $[ -2*(12*x^9+45*x^8+68*x^7+68*x^6+58*x^5+30*x^4+8*x^3+2*x^2-2*x+1)/(4*x-1)/(x^2+x-1)^2$  ogf]  
A220547 8.46104  $[ -(x+1)*(x^2-2)/(x^4+x^3-3*x^2-3*x+1)$  ogf]  
A220548 5.01611  $[ -(x^6-4*x^5-2*x^4+14*x^3+x^2-11*x-3)/(x^2-x-1)/(x^5-3*x^4-5*x^3+9*x^2+7*x-1)$  ogf]  
A220558 7.81621  $[ -(2*x^2+8*x-5)/(x^4-7*x^3+17*x^2-11*x+1)$  ogf]  
A220559 5.69425  $[ -(23*x^4-144*x^3+29*x^2+19*x-8)/(x-1)/(5*x^3-42*x^2+20*x-1)$  ogf]  
A220563 11.2698  $[ -(x^3-3*x-1)/(x+1)/(x^3-x^2-3*x+1)$  ogf]  
A220564 4.42338  $[ -(x-1)*(x^5-x^4-9*x^3+7*x^2+10*x+1)/(x^2-x-1)/(x^5-x^4-9*x^3+9*x^2+5*x-1)$  ogf]  
A220574 6.12167  $[ (8*x^5+4*x^4+10*x^3+12*x^2+9*x+4)/(16*x^5+12*x^4-2*x^3-4*x^2-3*x+1)$  ogf]  
A220588 10.6661  $[ -(x^3-7*x^2+5*x-1)/(2*x-1)/(x-1)^3$  ogf]  
A220588 8.46687  $[ -(2*x^4-24*x^3+20*x^2-4*x)/(2*x^5-17*x^4+32*x^3-24*x^2+8*x-1)$  lgdogf]  
A220589 7.10437  $[ 2*I/x/(x+1)^{(1/2)}/(3*x-1)^{(1/2)}-(3*x+2)/(x+1)/x$  lgdogf]  
A220590 7.78782  $[ -(x+1)*(2*x^2-4*x-1)/(2*x^4-2*x^3-7*x^2-3*x+1)$  ogf]  
A220597 4.08322  $[ -(2*x^7+5*x^6-23*x^5-16*x^4-7*x^3-16*x^2-x-1)/(x^2-x+1)/(2*x^6+7*x^5-17*x^4-33*x^3-13*x^2-5*x+1)$  ogf]  
A220611 6.82943  $[ -(6*x^4-5*x^3-9*x^2+5*x+1)/(6*x^5-5*x^4-11*x^3+6*x^2+3*x-1)$  ogf]  
A220616 7.70901  $[ -(2*x+1)*(2*x^2-6*x+3)/(4*x^4-10*x^3-4*x^2+7*x-1)$  ogf]  
A220622 5.54861  $[ -(3*x^5-8*x^4+13*x^3+29*x^2-16*x-1)/(3*x^6-8*x^5+12*x^4+32*x^3-22*x^2-6*x+1)$  ogf]  
A220629 6.44914  $[ -(x^2+x+1)*(x^2-3*x-1)/(x+1)/(x^4-3*x^3-4*x^2-5*x+1)$  ogf]  
A220633 4.66399  $[ \{ a(n+5)-4*a(n+4)+a(n+3)+2*a(n+2), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 12, a(4) = 44 \}, ogf]$   
A220633 9.86874  $[ (x^2+2*x-1)/(x-1)/(2*x^2+3*x-1)$  ogf]  
A220634 4.13967  $[ (4*x^8+6*x^7-30*x^6-42*x^5-5*x^4+14*x^3+12*x^2-8*x+1)/(x-1)/(x^2+2*x-1)/(2*x^3-3*x^2-6*x+1)$  ogf]  
A220639 6.81392  $[ -(x^4-3*x^3+6*x^2+5*x-1)/(x-1)/(3*x^5-7*x^4+9*x^3+29*x^2+7*x-1)$  ogf]  
A220647 8.66740  $[ -(6*x^3-8*x^2-x-1)/(6*x^4-8*x^3-3*x^2-3*x+1)$  ogf]  
A220655 9.22664  $[ -(24*x^24-24*x^23+6*x^6-6*x^5+2*x^2-x-2)/(x-1)^2$  ogf]  
A220656 9.71013  $[ -(24*x^24-24*x^23+6*x^6-6*x^5+2*x^2-3)/(x-1)^2$  ogf]  
A220657 11.3510  $[ x*(x^{24}+x^6+x^2+x+1)/(x-1)^2$  ogf]  
A220658 6.08349  $[ -x*(x^{15}-x^{14}+x^{12}-x^{11}+x^9-x^8+x^6-x^5+x^4-x^2-1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A220660 8.23067  $[ x^2*(24*x^32-24*x^31+6*x^8-6*x^7+2*x^2-2*x+1)/(x-1)^2$  ogf]  
A220661 7.74642  $[ (24*x^34-24*x^33+6*x^{10}-6*x^9+2*x^4-2*x^3+x^2-x+1)/(x-1)^2$  ogf]

A220673 11.3495 [(x^2-10\*x+5)/(5\*x^2-10\*x+1) ogf]  
A220673 5.88888 [ {a(n+3)-10\*a(n+2)+5\*a(n+1), a(0) = 5, a(1) = 40, a(2) = 376}, ogf ]  
A220673 7.90153 [ -(40\*x^2-48\*x+40)/(-5\*x^4+60\*x^3-126\*x^2+60\*x-5) lgdogf ]  
A220676 4.80560 [ -(x^6-4\*x^5-x^4-6\*x^3-14\*x^2-7\*x-1)/(x+1)/(x^6-5\*x^5-2\*x^3-8\*x^2-3\*x+1) ogf ]  
A220683 5.85015 [ -(x^5+9\*x^4+18\*x^3+10\*x^2+6\*x+1)/(x+1)/(2\*x^4+14\*x^3+5\*x^2+7\*x-1) ogf ]  
A220699 3.70273 [ {(-n+1)\*a(n+1)+(n-1)\*a(n+2)-a(n+4)+2\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2}, ogf ]  
A220700 4.65893 [ {(n+6)\*a(n+1)+(-n-6)\*a(n+2)+a(n+4)-2\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2}, ogf ]  
A220705 6.41943 [ -(x^5+2\*x^4+2\*x^3+x^2-3\*x-1)/(x-1)/(x+1)/(x^4+2\*x^3+2\*x^2+2\*x-1) ogf ]  
A220706 4.00128 [ -(x+1)\*(x^8-x^6-3\*x^5+5\*x^4-5\*x^3+9\*x^2-4\*x-1)/(x^10+x^9-x^8-4\*x^7+x^6+x^5+6\*x^4+3\*x^3-5\*x^2-3\*x+1) ogf ]  
A220709 6.72759 [ -(x^6-3\*x^5+2\*x^3-2\*x^2+1)/(x-1)/(x+1)/(x^4-x^3-5\*x^2-x+1) ogf ]  
A220710 4.03823 [ -(8\*x^10-18\*x^9+3\*x^8+18\*x^7-14\*x^6+6\*x^5+8\*x^4-11\*x^3+2\*x^2+2\*x-1)/(x-1)/(x+1)/(6\*x^5-5\*x^4-11\*x^3+6\*x^2+3\*x-1) ogf ]  
A220713 5.69566 [ -(x^5-3\*x^4-x^3+2\*x^2+6\*x+1)/(x^6-3\*x^5-2\*x^4+3\*x^3+8\*x^2+2\*x-1) ogf ]  
A220720 6.81042 [ -(2\*x^4-3\*x^3-5\*x^2-4\*x-1)/(x+1)/(2\*x^4-5\*x^3-4\*x+1) ogf ]  
A220726 10.7891 [ -(2\*x^3+x-1)/(2\*x^4-x^2-3\*x+1) ogf ]  
A220733 6.69783 [ -(x^4-4\*x^3-9\*x^2-3\*x-1)/(x^5-4\*x^4-9\*x^3-3\*x^2-2\*x+1) ogf ]  
A220739 6.87052 [ -(x^5-2\*x^4-x^3-x^2+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-3\*x+1) ogf ]  
A220749 4.37657 [ -2\*(560\*x^7-1187\*x^6-120\*x^5-820\*x^4+1380\*x^3+437\*x^2+16\*x+4)/(16\*x-1)/(x-1)^2 ogf ]  
A220753 11.9179 [ -(x^3-5\*x^2-4\*x-1)/(x-1)/(x+1)/(2\*x^2-1) ogf ]  
A220755 7.71058 [ x\*(3\*x^3+9\*x^2-27\*x-1)/(x-1)/(x^2-10\*x+1)/(x^2+10\*x+1) ogf ]  
A220783 10.0819 [ -(x+1)\*(x-2)/(4\*x^3-6\*x^2-5\*x+1) ogf ]  
A220783 5.39468 [ {a(n+3)-5\*a(n+2)-6\*a(n+1)+4\*a(n), a(0) = 2, a(1) = 11, a(2) = 66}, ogf ]  
A220806 8.12012 [ -2\*(2\*x^3-2\*x^2+3\*x-1)/(4\*x-1)/(x^3+x^2+3\*x-1) ogf ]  
A220838 7.84964 [ -(x^6-x^5+x^4-x^2+2\*x-1)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^3 ogf ]  
A220839 5.39367 [ -(x^7+x^6-x^4+x^3+2\*x^2+x-1)/(x-1)/(x^2+x+1)/(x^4-x^3-2\*x^2-x+1)/(x^6+x^3+1) ogf ]  
A220864 6.07292 [ -2\*(18\*x^7-71\*x^6-104\*x^5+467\*x^4-6\*x^3-333\*x^2+36\*x+25)/(x-1)/(x+1)/(x^2-4\*x+1)/(x^2+2\*x-1)/(x^2-2\*x-1) ogf ]  
A220867 3.75075 [ -2\*(3\*x^6-11\*x^5-19\*x^4+74\*x^3-7\*x^2-3\*x-1)/(x^2-4\*x+1)/(x^2+2\*x-1)/(x^2-2\*x-1) ogf ]  
A220868 3.29530 [ -(3\*x^7-5\*x^6-33\*x^5+27\*x^4+61\*x^3+45\*x^2-15\*x-3)/(x+1)/(x^2-4\*x+1)/(x^2+2\*x-1)/(x^2-2\*x-1) ogf ]  
A220874 6.79695 [ -(2\*x^5+12\*x^4-26\*x^3+20\*x^2-7\*x+1)/(x-1)/(2\*x-1)^4 ogf ]  
A220878 7.43099 [ 1/2/(3\*x-1)\*(6\*x^2+x-1+(36\*x^4-36\*x^3+17\*x^2-6\*x+1)^(1/2)) revogf ]  
A220885 11.5504 [ (x^5+2\*x^4-x^3-x^2+3\*x+5)/(x-1)/(x^3+x^2-1) ogf ]  
A220888 10.6028 [ -x^4\*(x+2)/(x^2+x-1)/(x-1)^4 ogf ]  
A220888 10.9907 [ -(5\*x^3+15\*x^2+3\*x-11)/(x^4+2\*x^3-2\*x^2-3\*x+2) lgdogf ]  
A220889 10.5653 [ -(5\*x^3+11\*x^2+2\*x-8)/(x^4+x^3-2\*x^2-x+1) lgdogf ]  
A220889 8.30862 [ x^4\*(x+1)^2/(x^2+x-1)/(x-1)^5 ogf ]  
A220892 8.90693 [ (x^4+8\*x^3+22\*x^2+8\*x+1)/(x-1)^6 ogf ]  
A220892 9.07988 [ -(2\*x^4+28\*x^3+112\*x^2+84\*x+14)/(x^5+7\*x^4+14\*x^3-14\*x^2-7\*x-1) lgdogf ]  
A220893 7.54137 [ (x+1)^6/(x^4-8\*x^3+22\*x^2-8\*x+1) ogf ]  
A220893 7.68781 [ -(-2\*x^4+28\*x^3-112\*x^2+84\*x-14)/(x^5-7\*x^4+14\*x^3+14\*x^2-7\*x+1) lgdogf ]  
A220898 4.19738 [ {(23\*n^2+23\*n)\*a(n)+(42\*n^2+124\*n+82)\*a(n+1)+(15\*n^2+71\*n+86)\*a(n+2)+(-4\*n^2-30\*n-56)\*a(n+3), a(0) = 2, a(1) = 1, a(2) = 1}, ogf ]  
A220910 5.44215 [ {(48\*n+72)\*a(n+1)+(8\*n-10)\*a(n+2)+(-n-3)\*a(n+3), a(0) = 1, a(1)

= 1, a(2) = 3}, ogf]  
 A220926 3.61939 [ (2\*x^11-11\*x^10+8\*x^9+65\*x^8-172\*x^7+153\*x^6+x^5-122\*x^4+123\*x^3-68\*x^2+23\*x-4)/(x-1)^9 ogf]  
 A220932 12.5821 [ -2\*(3\*x+1)/(x+1)/(6\*x-1) ogf]  
 A220932 6.82160 [{a(n+2)-5\*a(n+1)-6\*a(n), a(0) = 2, a(1) = 16}, ogf]  
 A220932 8.32637 [ -(-18\*x^2-12\*x-8)/(-18\*x^3-21\*x^2-2\*x+1) lgdogf]  
 A220939 4.11075 [ -(x^6-10\*x^5+33\*x^4-30\*x^3-20\*x^2+7\*x+1)/(x-1)/(x^6-32\*x^5+60\*x^4-2\*x^3+20\*x^2-12\*x+1) ogf]  
 A220944 12.2391 [ -(x^3-5\*x^2-3\*x-1)/(x-1)/(x+1)/(3\*x^2-1) ogf]  
 A220944 7.43496 [{a(n+4)-4\*a(n+2)+3\*a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 11}, ogf]  
 A220946 12.0737 [ -(x^3-2\*x^2-2\*x-1)/(x-1)/(x+1)/(3\*x^2-1) ogf]  
 A220948 9.10101 [ (3\*x-1)\*(x-1)^2/(x^5-15\*x^4+35\*x^3-28\*x^2+9\*x-1) ogf]  
 A220971 4.42116 [ (8\*x^9-14\*x^8+21\*x^7-15\*x^6-2\*x^5+6\*x^4-11\*x^3+9\*x^2-6\*x+2)/(x+1)/(2\*x-1)/(4\*x^5-5\*x^4+6\*x^3-3\*x^2+3\*x-1) ogf]  
 A220978 10.4851 [ -(3\*x+1)^2/(x-1)/(3\*x-1)/(9\*x-1) ogf]  
 A220978 5.68681 [{a(n+3)-13\*a(n+2)+39\*a(n+1)-27\*a(n), a(0) = 1, a(1) = 19, a(2) = 217}, ogf]  
 A220978 8.38805 [ -(-81\*x^3-81\*x^2+117\*x-19)/(-81\*x^4+90\*x^3-10\*x+1) lgdogf]  
 A220979 3.94036 [ -(4296875\*x^4+2662500\*x^3+464450\*x^2+4260\*x+11)/(x-1)/(125\*x-1)/(25\*x-1)/(625\*x-1)/(5\*x-1) ogf]  
 A220980 3.84816 [ -(27734375\*x^4-22687500\*x^3+2417450\*x^2-36300\*x+71)/(x-1)/(125\*x-1)/(25\*x-1)/(625\*x-1)/(5\*x-1) ogf]  
 A220989 4.08789 [{a(n+3)-157\*a(n+2)+1884\*a(n+1)-1728\*a(n), a(0) = 7, a(1) = 1657, a(2) = 247969}, ogf]  
 A220989 7.07095 [ -(1008\*x^2+558\*x+7)/(x-1)/(12\*x-1)/(144\*x-1) ogf]  
 A220990 4.07609 [{-a(n+3)+157\*a(n+2)-1884\*a(n+1)+1728\*a(n), a(0) = 19, a(1) = 1801, a(2) = 249697}, ogf]  
 A220990 6.91862 [ -(2736\*x^2-1182\*x+19)/(x-1)/(12\*x-1)/(144\*x-1) ogf]  
 A220997 7.70765 [ -(2\*x^2+2\*x-3)/(2\*x^4+12\*x^3+11\*x^2-11\*x+1) ogf]  
 A221002 6.65375 [ -2\*(84672\*x^4-205344\*x^3+181436\*x^2-69284\*x+10779)/(x-1)/(4\*x-1)^2/(2\*x-1)^2 ogf]  
 A221003 3.08732 [ -(7432704\*x^6-23912064\*x^5+31269536\*x^4-21796184\*x^3+8511316\*x^2-1859738\*x+192133)/(x-1)/(4\*x-1)^3/(2\*x-1)^3 ogf]  
 A221004 9.06244 [ -3\*(13952\*x^4-25152\*x^3+17408\*x^2-4806\*x+479)/(x-1)/(4\*x-1)^2/(2\*x-1)^2 ogf]  
 A221005 4.53218 [ -(868864\*x^6-2246848\*x^5+2406976\*x^4-1412380\*x^3+450880\*x^2-72343\*x+4797)/(x-1)/(4\*x-1)^3/(2\*x-1)^3 ogf]  
 A221006 3.46775 [{(-48\*n-232)\*a(n+1)+(84\*n+394)\*a(n+2)+(-42\*n-185)\*a(n+3)+(6\*n+23)\*a(n+4), a(0) = 1296, a(1) = 14526, a(2) = 107082, a(3) = 649890}, ogf]  
 A221006 8.49789 [ -54\*(16\*x^3-32\*x^2-5\*x-24)/(2\*x-1)/(x-1)/(4\*x-1)^2 ogf]  
 A221007 5.98785 [ -3\*(1792\*x^4-3824\*x^3+5976\*x^2+4421\*x+1490)/(2\*x-1)/(x-1)/(4\*x-1)^3 ogf]  
 A221008 3.46996 [{(-168\*n-712)\*a(n+1)+(294\*n+1204)\*a(n+2)+(-147\*n-560)\*a(n+3)+(21\*n+68)\*a(n+4), a(0) = 1026, a(1) = 19458, a(2) = 174762, a(3) = 1170810}, ogf]  
 A221008 6.46033 [ -(-3392\*x^4-8352\*x^3+10616\*x^2+40\*x-1081)/(-1696\*x^5-664\*x^4+4416\*x^3-2168\*x^2+55\*x+57) lgdogf]  
 A221008 9.69049 [ 18\*(212\*x^2+454\*x+57)/(2\*x-1)/(x-1)/(4\*x-1)^2 ogf]  
 A221009 4.96014 [ -3\*(6160\*x^3+52396\*x^2+26092\*x+1131)/(2\*x-1)/(x-1)/(4\*x-1)^3 ogf]  
 A221010 7.62550 [ -6\*(8\*x^3-165\*x^2-234\*x-14)/(2\*x-1)/(x-1)/(4\*x-1)^2 ogf]  
 A221011 6.51245 [ -3\*(160\*x^4+1564\*x^3+5895\*x^2+2183\*x+53)/(2\*x-1)/(x-1)/(4\*x-1)^3 ogf]  
 A221012 7.54017 [ 104\*(204\*x^3+211\*x^2-115\*x-12)/(x-1)/(4\*x-1)^2/(2\*x-1)^2 ogf]  
 A221013 4.65294 [ -2\*(150336\*x^5+635520\*x^4-382948\*x^3-94376\*x^2+54917\*x+1861)/(x-1)/(4\*x-1)^3/(2\*x-1)^3 ogf]  
 A221014 6.80583 [ 18\*(80\*x^3+412\*x^2-122\*x-37)/(x-1)/(4\*x-1)^2/(2\*x-1)^2 ogf]



A221015 4.13175 [  $-3*(6208*x^5+38816*x^4+676*x^3-23296*x^2+5491*x+644)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A221016 6.03994 [  $-4*(141376*x^4-221152*x^3+133508*x^2-33952*x+3107)/(x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A221017 3.80857 [  $-2*(7997440*x^6-18447232*x^5+17320448*x^4-8881336*x^3+2563836*x^2-385358*x+23875)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A221022 6.70335 [  $2*(832*x^4+2108*x^3+313*x^2+4*x+4)/(16*x-1)/(4*x-1)$  ogf]  
A221023 6.62675 [  $-(1152*x^4-45124*x^3-6079*x^2-150*x-16)/(32*x-1)/(4*x-1)$  ogf]  
A221030 6.63570 [  $-(3*x^4-5*x^3+4*x^2-x-4)/(2*x^5-5*x^4+x^3+8*x^2-8*x+1)$  ogf]  
A221042 6.62214 [  $-(2187*x^4-1458*x^3-72*x^2-198*x+53)/(729*x^5-972*x^4+288*x^3-66*x^2+23*x-2)$  lgdogf]  
A221042 8.38804 [  $-4*(27*x^2+3*x+2)/(x-1)/(9*x-1)^2/(3*x-1)^2$  ogf]  
A221043 4.85169 [  $(243*x^4+3807*x^3-369*x^2-87*x-10)/(x-1)/(9*x-1)^3/(3*x-1)^3$  ogf]  
A221044 10.1627 [  $8*(9*x^2+22*x+1)/(x-1)/(3*x-1)/(9*x-1)^2$  ogf]  
A221044 3.69980 [  $\{(-108*n-459)*a(n+1)+(156*n+651)*a(n+2)+(-52*n-205)*a(n+3)+(4*n+13)*a(n+4), a(0) = 8, a(1) = 352, a(2) = 6568, a(3) = 92608\}$ , ogf]  
A221044 6.98136 [  $(-486*x^4-1458*x^3+1578*x^2-102*x-44)/(-243*x^5-243*x^4+714*x^3-238*x^2+9*x+1)$  lgdogf]  
A221045 6.67872 [  $-2*(27*x^3+495*x^2+241*x+5)/(x-1)/(3*x-1)/(9*x-1)^3$  ogf]  
A221046 6.68074 [  $-(4374*x^4-5832*x^3+2016*x^2-46)/(1458*x^5-2673*x^4+1494*x^3-288*x^2+8*x+1)$  lgdogf]  
A221046 8.38804 [  $4*(54*x^2-21*x-1)/(x-1)/(9*x-1)^2/(3*x-1)^2$  ogf]  
A221047 4.86581 [  $-(486*x^4-405*x^3-819*x^2+221*x+5)/(x-1)/(9*x-1)^3/(3*x-1)^3$  ogf]  
A221049 12.4236 [  $-(x^3-3*x^2-2*x-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A221050 7.28839 [  $14*(8*x^3+10*x^2-33*x-3)/(x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A221051 4.40691 [  $-(2752*x^5-17696*x^4-17716*x^3+4376*x^2+2347*x+71)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A221052 5.27067 [  $(4544*x^4+144096*x^3+28316*x^2-46752*x-2071)/(x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A221053 3.70746 [  $4*(1536*x^6-1645696*x^5-1592416*x^4+2192808*x^3-189320*x^2-147032*x-2145)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A221059 4.99058 [  $-(16*x^5+4*x^4+32*x^3+44*x^2+7*x-4)/(32*x^6+8*x^5+80*x^4+104*x^3+10*x^2-11*x+1)$  ogf]  
A221063 3.31512 [  $-(24*x^11+138*x^10+332*x^9+444*x^8+366*x^7+196*x^6+77*x^5+33*x^4+15*x^3-7*x^2+x+1)/(x+1)/(4*x-1)/(x-1)^2/(x^2+x-1)^2$  ogf]  
A221066 7.70445 [  $-2*(x+1)*(3*x^3+x^2-x-1)/(6*x^5+5*x^4-4*x^3-2*x^2-2*x+1)$  ogf]  
A221073 6.62237 [  $(x^10-2*x^8-6*x^6+12*x^4-4*x^3+x^2-4*x-2)/(x-1)/(x+1)/(x^4+2*x^2-1)/(x^4-2*x^2-1)$  ogf]  
A221074 4.49232 [  $(x^10-2*x^8-10*x^6+20*x^4-8*x^3+x^2-8*x-2)/(x-1)/(x+1)/(x^8-10*x^4+1)$  ogf]  
A221075 4.87054 [  $(x^10-2*x^8-14*x^6+28*x^4-12*x^3+x^2-12*x-2)/(x-1)/(x+1)/(x^4-4*x^2+1)/(x^4+4*x^2+1)$  ogf]  
A221076 5.17845 [  $(x^10-2*x^8-18*x^6+36*x^4-16*x^3+x^2-16*x-2)/(x-1)/(x+1)/(x^4-4*x^2-1)/(x^4+4*x^2-1)$  ogf]  
A221082 11.1081 [  $-(18*x-12)/(9*x^2-12*x+1)$  lgdogf]  
A221082 16.6621 [  $2/(9*x^2-12*x+1)$  ogf]  
A221082 6.74420 [  $\{-a(n+2)+12*a(n+1)-9*a(n), a(0) = 2, a(1) = 24\}$ , ogf]  
A221083 4.56564 [  $\{a(n+3)-45*a(n+2)+180*a(n+1)-64*a(n), a(0) = 4, a(1) = 169, a(2) = 6889\}$ , ogf]  
A221083 8.37033 [  $-(4*x^2-11*x+4)/(4*x-1)/(16*x^2-41*x+1)$  ogf]  
A221088 6.14933 [  $(-2*x^4+15*x^3-42*x^2+7*x+12)/(-x^5+9*x^4-14*x^3-7*x^2+15*x-2)$  lgdogf]  
A221088 9.55511 [  $-x*(x-2)^2/(x-1)/(x+1)/(x^2-7*x+1)$  ogf]  
A221089 4.81964 [  $-x*(6480*x^5-5103*x^4-528*x^3+409*x^2-114*x+16)/(27*x^2-1)/(27*x^2-24*x+1)$  ogf]  
A221110 5.22045 [  $x*(2*x-1)*(8*x^2+11*x-7)/(x-1)/$

$(x^5-19x^4+269x^3-182x^2+28x-1)$  ogf]  
A221121 12.2702 [  $-8*(x-1)/(41x^2-26x+1)$  ogf]  
A221121 6.70580 [  $\{-a(n+2)+26a(n+1)-41a(n), a(0) = 8, a(1) = 200\}$ , ogf]  
A221121 8.23856 [  $\{-(-41x^2+82x-25)/(-41x^3+67x^2-27x+1)$  lgdogf]  
A221122 3.79847 [  $\{-(2880x^5+1200x^4-4307x^3+2030x^2-339x+21)/$   
 $(2025x^5-13300x^4+8230x^3-1680x^2+109x-1)$  ogf]  
A221126 5.66277 [  $(x^5+9x^4-7x^3-20x^2+10x+1)/(2x^4+12x^3+11x^2-11x+1)$   
ogf]  
A221130 12.0840 [  $-(2x^2-8x+3)/(4x-1)/(x-1)^2$  ogf]  
A221130 6.46600 [  $\{a(n+3)-6a(n+2)+9a(n+1)-4a(n), a(0) = 3, a(1) = 10, a(2) =$   
 $35\}$ , ogf]  
A221130 8.57121 [  $\{-(-8x^3+56x^2-40x+10)/(-8x^4+42x^3-54x^2+23x-3)$  lgdogf]  
A221145 17.6515 [  $-(x^5-3x^3+4x^2)/(x^4-x^3-x^2+2x-1)$  lgdegf  
A221145 3.60073 [  $\{(n^3+12n^2+47n+60)*a(n+1)+(n^2+8n+15)*a(n+3)+(-n-4)*a(n+4),$   
 $a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 8\}$ , ogf]  
A221145 8.46172 [  $-(x^5-3x^3+4x^2)/(x^4-x^3-x^2+2x-1)$  lgdegf]  
A221159 33.3629 [  $8*\exp(x)$  lgdegf]  
A221159 98.5663 [  $8*\exp(x)$  lgdegf]  
A221160 11.9103 [  $-(4x-5)/(-16x^3+16x^2-7x+1)$  lgdegf]  
A221160 12.7926 [  $(4x^2-3x+1)/(4x-1)^2$  egf]  
A221160 3.45399 [  $\{(-8n^2-8n)*a(n)+(-4n^2-14n-8)*a(n+1)+(4n^2+29n+47)*a(n$   
 $+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 56\}$ , ogf]  
A221161 12.8461 [  $-(4x^2+x-1)/(4x-1)^2$  egf]  
A221161 13.8738 [  $-(12x-7)/(16x^3-5x+1)$  lgdegf]  
A221161 3.40044 [  $\{(24n^2+24n)*a(n)+(20n^2+74n+72)*a(n+1)+(4n^2+23n+37)*a(n$   
 $+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 7, a(2) = 72\}$ , ogf]  
A221162 4.74317 [  $\{a(n+3)-13a(n+2)+26a(n+1)-a(n), a(0) = 3, a(1) = 33, a(2) =$   
 $352\}$ , ogf]  
A221162 8.80875 [  $-(x^2-6x+3)/(x^3-26x^2+13x-1)$  ogf]  
A221163 3.82420 [  $-(188x^6+1070x^5+993x^4-2191x^3+992x^2-160x+8)/(5x-1)/$   
 $(111x^5+3848x^4-3340x^3+807x^2-59x+1)$  ogf]  
A221172 11.7068 [  $-(7x^2-4x+3)/(7x^3+12x^2-11x+2)$  lgdogf]  
A221172 17.1700 [  $-(7x-2)/(x^2+2x-1)$  ogf]  
A221172 9.42254 [  $\{a(n+2)-2a(n+1)-a(n), a(0) = -2, a(1) = 3\}$ , ogf]  
A221173 11.5140 [  $-(10x^2-6x+4)/(10x^3+17x^2-16x+3)$  lgdogf]  
A221173 17.0207 [  $-(10x-3)/(x^2+2x-1)$  ogf]  
A221173 9.54817 [  $\{a(n+2)-2a(n+1)-a(n), a(0) = -3, a(1) = 4\}$ , ogf]  
A221174 11.6150 [  $-(13x^2-8x+5)/(13x^3+22x^2-21x+4)$  lgdogf]  
A221174 17.1700 [  $-(13x-4)/(x^2+2x-1)$  ogf]  
A221174 9.63193 [  $\{a(n+2)-2a(n+1)-a(n), a(0) = -4, a(1) = 5\}$ , ogf]  
A221175 10.7951 [  $-(16x^2-10x+6)/(16x^3+27x^2-26x+5)$  lgdogf]  
A221175 16.1927 [  $-(16x-5)/(x^2+2x-1)$  ogf]  
A221175 9.08370 [  $\{a(n+2)-2a(n+1)-a(n), a(0) = -5, a(1) = 6\}$ , ogf]  
A221176 33.9117 [  $16*\exp(x)$  lgdegf]  
A221176 92.8676 [  $16*\exp(x)$  lgdegf]  
A221180 10.8380 [  $-(2400x^{13}-1300x^{12}+2)/(-200x^{14}+100x^{13}+2x-1)$  lgdogf]  
A221180 20.1980 [  $(100x^{13}-1)/(2x-1)$  ogf]  
A221189 5.03896 [  $-(58x^4-148x^3+106x^2-16x-1)/$   
 $(2x^6+86x^5-174x^4+42x^3+41x^2-15x+1)$  ogf]  
A221193 6.61903 [  $-(x^8+x^7+31x^5-34x^4+31x^3+x+1)/(x-1)/(x+1)/(x^2+2x-1)/$   
 $(x^2-2x-1)/(x^4+6x^2+1)$  ogf]  
A221194 6.61497 [  $-(x^4+4x^3-4x^2+4x+1)*(x^4-2x^3+12x^2-2x+1)/(x-1)/(x+1)/$   
 $(x^4-8x^2+1)/(x^4+8x^2+1)$  ogf]  
A221195 5.55328 [  $-(x^8+3x^7+93x^5-98x^4+93x^3+3x+1)/(x-1)/(x+1)/$   
 $(x^4+10x^2+1)/(x^4-10x^2+1)$  ogf]  
A221196 5.28731 [  $\{a(n+3)-6a(n+2)+6a(n+1)+2a(n), a(0) = 2, a(1) = 10, a(2) =$   
 $46\}$ , ogf]  
A221196 9.88120 [  $-2*(x^2+x-1)/(2x^3+6x^2-6x+1)$  ogf]  
A221201 4.25369 [  $-x*(256x^6-448x^5-124x^4+342x^3-53x+9)/(2x-1)/(2x+1)/$   
 $(4x^2-7x+1)/(16x^4-14x^2+1)$  ogf]  
A221212 9.17948 [  $-(x+1)*(x^7-x^6-x^5+x^4+x^3+x^2-2x-1)/(x^2+x-1)/(x^2-x-1)$

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ogf]
A221223 4.32185 [{a(n+3)-15*a(n+2)+43*a(n+1)-10*a(n), a(0) = 3, a(1) = 35, a(2)
= 400}, ogf]
A221223 7.84582 [ -(4*x^2-10*x+3)/(10*x^3-43*x^2+15*x-1) ogf]
A221224 3.47538 [ -8*(146*x^5-577*x^4+595*x^3-206*x^2+27*x-1)/
(5184*x^6-25616*x^5+39617*x^4-13925*x^3+1710*x^2-77*x+1) ogf]
A221226 4.53701 [ -(8*x^6+28*x^5-150*x^4+204*x^3-77*x^2+4*x+1)/
(8*x^7-12*x^6+14*x^5-78*x^4+123*x^3-71*x^2+15*x-1) ogf]
A221236 7.27535 [ -x*(x^2+2*x-5)/(x^2-3*x+1)/(x^4+3*x^3-2*x^2-8*x+1) ogf]
A221241 7.67486 [ -2*(5*x-1)/(324*x^4-540*x^3+222*x^2-30*x+1) ogf]
A221246 7.97565 [ x*(6*x^3-34*x^2+31*x-9)/(6*x^2-1)/(6*x^2-9*x+1) ogf]
A221256 4.23486 [ -x*(x^6-6*x^5-2*x^4+26*x^3+9*x^2-16*x+4)/(x-1)/(x+1)/(x^2-6*x
+1)/(x^2+2*x-1)/(x^2-2*x-1) ogf]
A221266 5.35135 [{-a(n+3)+10*a(n+2)-19*a(n+1)+8*a(n), a(0) = 3, a(1) = 19, a(2)
= 141}, ogf]
A221266 9.78294 [ -(8*x-3)*(x-1)/(8*x^3-19*x^2+10*x-1) ogf]
A221270 7.70232 [ -2*x*(x-1)*(x^2-7*x+3)/(2*x^5-4*x^3+10*x^2-6*x+1) ogf]
A221276 10.1827 [ -x*(3*x-2)^2/(x-1)/(3*x-1)/(3*x^2-1) ogf]
A221286 12.9815 [ (71020044435*x-106276436867)/(x^2+x-1) ogf]
A221286 6.25386 [ -(71020044435*x^2-212552873734*x-35256392432)/
(71020044435*x^3-35256392432*x^2-177296481302*x+106276436867) lgdogf]
A221286 8.31824 [{-a(n+2)+a(n+1)+a(n), a(0) = 106276436867, a(1) = 35256392432},
ogf]
A221297 4.71084 [ -(2*x^6-4*x^5-12*x^4+10*x^3+9*x^2-14*x+3)/
(2*x^7-6*x^6-16*x^5+8*x^4-x^3-27*x^2+11*x-1) ogf]
A221304 7.02301 [ -x*(2*x^4-4*x^3+6*x^2-10*x+5)/(x^3-3*x+1)/(x^3+x-1) ogf]
A221323 5.21247 [ -(x-1)*(8*x^3+6*x^2-35*x+7)/(8*x^5+6*x^4-111*x^3+110*x^2-23*x
+1) ogf]
A221329 4.12925 [ (x^8-5*x^7-x^6+16*x^5-24*x^4-17*x^3+41*x^2-6*x-1)/
(2*x^7-6*x^6-16*x^5+8*x^4-x^3-27*x^2+11*x-1) ogf]
A221352 4.85729 [ -x*(14*x^5-14*x^4-14*x^3+24*x^2-7*x-1)/
(8*x^7+16*x^6-14*x^5-34*x^4+10*x^3+26*x^2-11*x+1) ogf]
A221357 4.44751 [ -x*(4*x^5-2*x^4-4*x^3+14*x^2-21*x+5)/
(16*x^7-33*x^6-21*x^5+59*x^4+14*x^3-38*x^2+12*x-1) ogf]
A221364 7.47299 [ -(x^4+x^3-3*x^2+x+1)/(x-1)/(x+1)/(x^2+x-1)/(x^2-x-1) ogf]
A221365 8.24716 [ -(x^4+3*x^3-5*x^2+3*x+1)/(x-1)/(x+1)/(x^4-5*x^2+1) ogf]
A221366 7.55419 [ -(x^4+5*x^3-7*x^2+5*x+1)/(x-1)/(x+1)/(x^2+3*x+1)/(x^2-3*x+1)
ogf]
A221367 8.95263 [ -(x^4+7*x^3-9*x^2+7*x+1)/(x-1)/(x+1)/(x^4-9*x^2+1) ogf]
A221374 10.0019 [ -(2*x-1)*(2*x-3)/(x-1)/(4*x^2-8*x+1) ogf]
A221374 5.34583 [{-a(n+3)+9*a(n+2)-12*a(n+1)+4*a(n), a(0) = 3, a(1) = 19, a(2) =
139}, ogf]
A221394 4.75243 [ -x*(46*x^10+412*x^8-1050*x^6+820*x^4-233*x^2+18)/(x-1)/(x+1)/
(16*x^10+268*x^8-605*x^6+393*x^4-47*x^2+1) ogf]
A221397 10.4662 [ -6*x*(x-1)/(2*x^3+6*x^2-6*x+1) ogf]
A221397 5.32653 [{a(n+3)-6*a(n+2)+6*a(n+1)+2*a(n), a(0) = 0, a(1) = 6, a(2) =
30}, ogf]
A221397 8.06177 [ -(-4*x^3+12*x-5)/(-2*x^4-4*x^3+12*x^2-7*x+1) lgdogf]
A221401 3.89367 [ -x*(2*x-1)*(8*x^5-8*x^4+10*x^3-10*x^2-x-1)/(2*x^2-4*x+1)/
(4*x^4+6*x^3-8*x^2-5*x+1)/(2*x^2-2*x-1) ogf]
A221414 16.3566 [30*x/(-15*x^2+1) lgdogf]
A221414 17.7586 [ -10*x/(15*x^2-1) ogf]
A221414 9.56234 [{a(n+2)-15*a(n), a(0) = 0, a(1) = 10}, ogf]
A221415 4.85671 [ -(x^6-2*x^5+7*x^4+17*x^3-4*x^2-11*x+4)/(x^7-
x^6+12*x^5+17*x^4-19*x^3-15*x^2+10*x-1) ogf]
A221420 7.76312 [ x*(x^4-2*x^3+x^2-6*x+4)/(2*x^4+3*x^2-4*x+1) ogf]
A221425 8.22939 [ -(x^4-5*x^3+5*x+1)/(x^5-5*x^4+6*x^2+4*x-1) ogf]
A221440 11.9155 [ -(x^2+3)/(x^3+x^2+3*x-1) ogf]
A221440 6.01048 [{a(n+3)-3*a(n+2)-a(n+1)-a(n), a(0) = 3, a(1) = 9, a(2) = 31},
ogf]
A221440 7.71800 [ -(-x^4-6*x^2-8*x-9)/(-x^5-x^4-6*x^3-2*x^2-9*x+3) lgdogf]

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A221441 5.24253 [ {a(n+3)-5\*a(n+2)-11\*a(n+1)-a(n), a(0) = 5, a(1) = 33, a(2) = 221}, ogf]  
A221441 9.80860 [ -(x^2+8\*x+5)/(x^3+11\*x^2+5\*x-1) ogf]  
A221442 4.14703 [ -(8\*x^5+11\*x^4+12\*x^3-34\*x^2-36\*x-9)/(4\*x^6+11\*x^5+21\*x^4-34\*x^3-42\*x^2-9\*x+1) ogf]  
A221447 5.18658 [ -(x^6+2\*x^5+x^4-4\*x^3-5\*x^2-6\*x-1)/(x^2+1)/(x^5+x^4-2\*x^3-2\*x^2-3\*x+1) ogf]  
A221454 9.19410 [ -x\*(2\*x^2+2\*x-1)/(3\*x^2+3\*x-1)/(x^2+x-1) ogf]  
A221455 6.13584 [ -x\*(5\*x^4+10\*x^3-5\*x+1)/(2\*x^2+2\*x-1)/(x^2+x-1)/(4\*x^2+4\*x-1) ogf]  
A221456 4.27894 [ -x\*(19\*x^6+57\*x^5+33\*x^4-29\*x^3-15\*x^2+9\*x-1)/(2\*x^2+2\*x-1)/(5\*x^2+5\*x-1)/(x^2+x-1)/(3\*x^2+3\*x-1) ogf]  
A221461 11.5550 [ -(-12\*x-6)/(-6\*x^2-6\*x+1) lgdogf]  
A221461 15.3025 [ -6\*x/(6\*x^2+6\*x-1) ogf]  
A221461 6.99004 [ {-a(n+2)+6\*a(n+1)+6\*a(n), a(0) = 0, a(1) = 6}, ogf]  
A221462 12.2886 [ -(-14\*x-7)/(-7\*x^2-7\*x+1) lgdogf]  
A221462 16.2741 [ -7\*x/(7\*x^2+7\*x-1) ogf]  
A221462 7.43385 [ {-a(n+2)+7\*a(n+1)+7\*a(n), a(0) = 0, a(1) = 7}, ogf]  
A221464 3.65956 [ {(-13\*n^2-108\*n-207)\*a(n+1)+(-36\*n^2-424\*n-1120)\*a(n+2)+(49\*n^2+284\*n+411)\*a(n+3), a(0) = 3, a(1) = 32, a(2) = 135}, ogf]  
A221464 8.02608 [ (x^3-5\*x^2-17\*x-3)/(x-1)^5 ogf]  
A221464 8.30935 [ -(-2\*x^3+12\*x^2+78\*x+32)/(-x^4+6\*x^3+12\*x^2-14\*x-3) lgdogf]  
A221465 6.86658 [ -(x^4+2\*x^3-60\*x^2-58\*x-5)/(x-1)^6 ogf]  
A221465 6.99862 [ -(2\*x^4+10\*x^3-234\*x^2-410\*x-88)/(x^5+x^4-62\*x^3+2\*x^2+53\*x+5) lgdogf]  
A221466 5.59308 [ 8\*(2\*x^4-14\*x^3-54\*x^2-23\*x-1)/(x-1)^7 ogf]  
A221471 5.47104 [ x\*(28\*x^11-66\*x^10-16\*x^9-2\*x^8-13\*x^7-2\*x^6-5\*x^5-4\*x^4-3\*x^3-2\*x^2-x+1)/(x^2-3\*x+1) ogf]  
A221478 6.67830 [ x\*(3\*x^4-18\*x^3+31\*x^2+14\*x-8)/(6\*x^4-24\*x^3-7\*x^2+8\*x-1) ogf]  
A221484 5.49519 [ x\*(x-1)\*(5\*x^2+8\*x+4)/(x^2+3\*x+1)/(x^5-5\*x^4+6\*x^2+4\*x-1) ogf]  
A221510 8.75881 [ -x\*(x^2+x+2)/(x+1)/(x^3+2\*x^2+2\*x-1) ogf]  
A221511 7.06826 [ -x\*(2\*x^4-2\*x^3+4\*x^2+x+3)/(4\*x^6+4\*x^4+6\*x^3+6\*x^2+2\*x-1) ogf]  
A221512 5.90664 [ x\*(2\*x^3-10\*x^2-5\*x-4)/(x^6-3\*x^5+17\*x^4+20\*x^3+11\*x^2+2\*x-1) ogf]  
A221513 4.17291 [ -x\*(2\*x^6+2\*x^5+12\*x^4-5\*x^3+17\*x^2+6\*x+5)/(2\*x^8+8\*x^7+27\*x^6+x^5+28\*x^4+29\*x^3+14\*x^2+3\*x-1) ogf]  
A221514 3.93959 [ -x\*(4\*x^6-4\*x^5+13\*x^4+10\*x^3+33\*x^2+13\*x+6)/(8\*x^8+4\*x^7+23\*x^6+32\*x^5+79\*x^4+58\*x^3+21\*x^2+3\*x-1) ogf]  
A221516 6.14852 [ x\*(x^6-2\*x^5+6\*x^4-x^3-10\*x^2-15\*x-3)/(x-1)^5 ogf]  
A221517 4.86560 [ -x\*(x^8-3\*x^7+9\*x^6-9\*x^5+32\*x^4-13\*x^3-73\*x^2-59\*x-5)/(x-1)^6 ogf]  
A221518 4.28459 [ 2\*x\*(3\*x^8-19\*x^7+49\*x^6-43\*x^5+136\*x^4-126\*x^3-260\*x^2-96\*x-4)/(x-1)^7 ogf]  
A221519 8.61388 [ -2\*x\*(x^2+2\*x+3)/(x+1)/(x^3+2\*x^2+2\*x-1) ogf]  
A221520 6.80553 [ -2\*x\*(4\*x^4-2\*x^3+6\*x^2+3\*x+6)/(4\*x^6+4\*x^4+6\*x^3+6\*x^2+2\*x-1) ogf]  
A221521 5.23877 [ -2\*x\*(x^4-4\*x^3+22\*x^2+14\*x+10)/(x^6-3\*x^5+17\*x^4+20\*x^3+11\*x^2+2\*x-1) ogf]  
A221522 3.93317 [ -2\*x\*(3\*x^6+9\*x^5+33\*x^4-11\*x^3+45\*x^2+20\*x+15)/(2\*x^8+8\*x^7+27\*x^6+x^5+28\*x^4+29\*x^3+14\*x^2+3\*x-1) ogf]  
A221523 4.41923 [ -2\*x\*(12\*x^6+36\*x^4+34\*x^3+108\*x^2+48\*x+21)/(8\*x^8+4\*x^7+23\*x^6+32\*x^5+79\*x^4+58\*x^3+21\*x^2+3\*x-1) ogf]  
A221525 5.47380 [ -2\*x\*(x^6-2\*x^5+11\*x^4-7\*x^3-31\*x^2-29\*x-3)/(x-1)^6 ogf]  
A221526 4.33227 [ 2\*x\*(x^8-4\*x^7+15\*x^6-3\*x^5+61\*x^4-91\*x^3-232\*x^2-102\*x-5)/(x-1)^7 ogf]  
A221527 3.68946 [ -8\*x\*(x^8-8\*x^7+28\*x^6+22\*x^5+97\*x^4-332\*x^3-356\*x^2-80\*x-2)/(x-1)^8 ogf]  
A221536 11.0931 [ -2\*x\*(x^2-x+1)/(4\*x^4-2\*x^2+3\*x-1) ogf]  
A221537 9.90425 [ x\*(x-3)/(x+1)/(x^3-2\*x^2+4\*x-1) ogf]

A221538 6.39767 [  $-x^*(x^4+x^3+10x^2-6x+4)/(3x^5+15x^4+x^3-3x^2+5x-1)$  ogf]  
A221539 6.46533 [  $-x^*(3x^4+5x^2-3x+5)/(3x^6+6x^5+9x^4+3x^2+5x-1)$  ogf]  
A221540 4.53345 [  $-x^*(6x^6-12x^5+20x^4-7x^3+22x^2-10x+6)/(12x^8+16x^6+10x^5+26x^4+6x^3-4x^2+7x-1)$  ogf]  
A221541 4.42653 [  $x^*(6x^5-20x^4+3x^3-14x^2+5x-7)/(3x^8-6x^7+23x^6+20x^5+20x^4+5x^3+4x^2+7x-1)$  ogf]  
A221543 5.74224 [  $(x^7-6x^6+18x^5-26x^4+22x^3-23x^2-7x-3)/(x-1)^5$  ogf]  
A221544 4.70426 [  $-(x^9-8x^8+34x^7-87x^6+153x^5-157x^4+88x^3-115x^2-24x-5)/(x-1)^6$  ogf]  
A221545 3.99946 [  $(10x^9-79x^8+279x^7-572x^6+822x^5-675x^4+87x^3-506x^2-78x-8)/(x-1)^7$  ogf]  
A221567 10.8790 [  $-x^*(8x^2-6x+5)/(4x^4-2x^2+3x-1)$  ogf]  
A221568 10.0385 [  $-2x^*(x^2-2x+5)/(x+1)/(x^3-2x^2+4x-1)$  ogf]  
A221569 6.09027 [  $-x^*(x^4+8x^3+45x^2-26x+17)/(3x^5+15x^4+x^3-3x^2+5x-1)$  ogf]  
A221570 5.49218 [  $-2x^*(6x^4+6x^3+14x^2-8x+13)/(3x^6+6x^5+9x^4+3x^2+5x-1)$  ogf]  
A221571 4.24044 [  $-x^*(48x^6-36x^5+100x^4-26x^3+138x^2-62x+37)/(12x^8+16x^6+10x^5+26x^4+6x^3-4x^2+7x-1)$  ogf]  
A221572 3.89939 [  $-2x^*(6x^6-18x^5+66x^4+4x^3+51x^2-18x+25)/(3x^8-6x^7+23x^6+20x^5+20x^4+5x^3+4x^2+7x-1)$  ogf]  
A221574 10.2244 [  $(x+2)^*(x^2+1)/(x-1)^4$  ogf]  
A221574 4.18764 [  $\{(-59n^2-353n-470)*a(n+1)+(56n^2+16n-804)*a(n+2)+(3n^2+151n+426)*a(n+3), a(0) = 2, a(1) = 9, a(2) = 26\}$ , ogf]  
A221574 9.84096 [  $-(x^3+7x^2+7x+9)/(x^4+x^3-x^2+x-2)$  lgdogf]  
A221575 5.40639 [  $-(2x^7-12x^6+39x^5-56x^4+24x^3-90x^2-21x-6)/(x-1)^6$  ogf]  
A221576 4.04319 [  $(2x^9-18x^8+80x^7-193x^6+355x^5-378x^4-54x^3-433x^2-71x-10)/(x-1)^7$  ogf]  
A221577 3.38972 [  $-(20x^9-160x^8+579x^7-1096x^6+1869x^5-2336x^4-1755x^3-1928x^2-217x-16)/(x-1)^8$  ogf]  
A221587 5.23445 [  $-2*(4x^7+7x^6-6x^5-13x^4+4x^3-x^2-2x+1)/(4x-1)/(x^2+3x-1)/(x^2-x-1)$  ogf]  
A221588 7.11573 [  $2*(32x^5-164x^4+12x^3+33x^2-4x+2)/(8x-1)/(4x-1)$  ogf]  
A221589 5.95017 [  $-2*(368x^5+1033x^4-322x^3-336x^2-10x-4)/(16x-1)/(4x-1)$  ogf]  
A221591 11.5345 [  $-x^*(x^2+3x+7)/(x^3+2x^2+2x-1)$  ogf]  
A221591 5.63718 [  $\{-a(n+4)+2a(n+3)+2a(n+2)+a(n+1), a(0) = 0, a(1) = 7, a(2) = 17, a(3) = 49\}$ , ogf]  
A221591 7.35044 [  $-(-x^4-6x^3-25x^2-30x-17)/(-x^5-5x^4-15x^3-19x^2-11x+7)$  lgdogf]  
A221592 7.57575 [  $-x^*(8x^4+4x^3+12x^2-4x+13)/(4x^6+4x^5+6x^4+4x^2+3x-1)$  ogf]  
A221593 5.58656 [  $-2x^*(x^4+4x^3+16x^2-10x+8)/(x^6+5x^5+19x^4-6x^3+3x^2+4x-1)$  ogf]  
A221594 4.41272 [  $-x^*(3x^6-9x^5+42x^4+17x^3+54x^2-23x+19)/(2x^8-5x^7+24x^6+17x^5+33x^4-7x^3+5x^2+4x-1)$  ogf]  
A221595 4.28407 [  $-2x^*(6x^6+18x^4-14x^3+54x^2-24x+11)/(8x^8+2x^7+23x^6-14x^5+65x^4-16x^3+3x^2+5x-1)$  ogf]  
A221597 7.60625 [  $-(-2x^4+8x^3+51x^2+128x+139)/(2x^5+8x^4+11x^3+22x^2-11x-32)$  lgdogf]  
A221597 9.85995 [  $-(2x^4+10x^3+21x^2+43x+32)/(x-1)^3$  ogf]  
A221598 6.86352 [  $-(2x^6+10x^5+26x^4+23x^3-22x^2-137x-64)/(x-1)^4$  ogf]  
A221599 6.79998 [  $-(28x^5+16x^4-217x^3-556x^2-601x-128)/(x-1)^4$  ogf]  
A221604 7.63106 [  $-(x^3-2x^2+2x-2)/(2x^4-2x^3+4x^2-6x+1)$  ogf]  
A221610 6.15266 [  $x^*(x^2+x-1)*(3x^3-x^2+2x-2)/(3x^5-10x^4+5x^3+9x^2-7x+1)$  ogf]  
A221619 5.57565 [  $-(11x-12)*(11x^2-12x+2)/(11x-1)^2/(x-1)^2$  ogf]

A221620 3.93831 [  $-(44616x^4-93340x^3+52950x^2-4345x+120)/(-1+66x)/(26x-1)^2/(x-1)^2$  ogf]  
A221633 3.53613 [  $-(32x^9-56x^8-72x^7-150x^6-80x^5-53x^4-10x^3+8x^2-2x-1)/(2x+1)/(2x-1)/(4x-1)/(x+1)^2/(x-1)^4$  ogf]  
A221639 3.75841 [  $\{-a(n+3)+4392a(n+2)-4208207a(n+1)+777600000a(n), a(0) = 22, a(1) = 32252, a(2) = 65664390\}$ , ogf]  
A221639 5.88818 [  $-22*(754280x^2-2926x+1)/(243x-1)/(3125x-1)/(1024x-1)$  ogf]  
A221652 4.82832 [  $\{a(n+4)-3a(n+3)-a(n+2)-a(n+1), a(0) = 1, a(1) = 4, a(2) = 12, a(3) = 40\}$ , ogf]  
A221652 8.08744 [  $-(-8x^2+4x-4)/(x^5+x^4+2x^3-2x^2-3x+1)$  lgdogf]  
A221652 9.37674 [  $(x-1)*(x+1)^2/(x^3+x^2+3x-1)$  ogf]  
A221667 6.46101 [  $-4*(16x^6-8x^3+4x^2-x+1)/(4x-1)/(4x^3-1)^2$  ogf]  
A221673 7.92574 [  $(x-1)^2/(3x^5-10x^4+5x^3+9x^2-7x+1)$  ogf]  
A221677 11.3909 [  $-x*(x+2)/(x^3+2x^2+2x-1)$  ogf]  
A221677 5.84937 [  $\{a(n+3)-2a(n+2)-2a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 5\}$ , ogf]  
A221677 8.11600 [  $-(2x^3+8x^2+8x+5)/(x^4+4x^3+6x^2+3x-2)$  lgdogf]  
A221678 8.64247 [  $-x*(x^2-x+2)/(x+1)/(x^3-2x^2+4x-1)$  ogf]  
A221679 6.48715 [  $-x*(2x^4+2x^3+3x^2-x+2)/(4x^6+4x^5+6x^4+4x^2+3x-1)$  ogf]  
A221680 6.23899 [  $-x*(2x^3+6x^2-3x+2)/(x^6+5x^5+19x^4-6x^3+3x^2+4x-1)$  ogf]  
A221681 4.52406 [  $-x*(x^6-x^5+6x^4+3x^3+8x^2-3x+2)/(2x^8-5x^7+24x^6+17x^5+33x^4-7x^3+5x^2+4x-1)$  ogf]  
A221682 4.17944 [  $-x*(2x^6+2x^5+5x^4-4x^3+13x^2-5x+2)/(8x^8+2x^7+23x^6-14x^5+65x^4-16x^3+3x^2+5x-1)$  ogf]  
A221684 11.8978 [  $(x+2)*(x^3+2x^2+8)/(x-1)^2$  ogf]  
A221684 6.26202 [  $\{-a(n+5)+2a(n+4)-a(n+3), a(0) = 16, a(1) = 40, a(2) = 68, a(3) = 100, a(4) = 133\}$ , ogf]  
A221684 9.91487 [  $-(2x^4-12x^2-16x-40)/(-x^5-3x^4-4x^2-8x+16)$  lgdogf]  
A221685 8.30968 [  $(x^6+4x^5+8x^4-2x^3+2x^2-17x-32)/(x-1)^3$  ogf]  
A221686 8.54532 [  $2*(5x^5+4x^4-28x^3-38x^2-64x-32)/(x-1)^3$  ogf]  
A221687 4.78439 [  $-(2x^4+2x^3+5x^2+4x-3)/(2x^6+12x^5+15x^4+29x^3+18x^2-13x+1)$  ogf]  
A221689 6.03267 [  $-2*(2x^4-49x^3-61x^2+4x+3)/(2x^4-71x^3-69x^2+24x-1)$  ogf]  
A221694 3.76208 [  $-(24x^8-24x^7+38x^6+36x^5-27x^4-21x^3+19x^2+16x+1)/(8x^7-16x^6+22x^5-2x^4-11x^3-4x^2+9x-1)/(2x+1)^2$  ogf]  
A221719 15.1059 [  $x*(x^2+2x-2)/(2x-1)/(x-1)/(x^2+x-1)$  ogf]  
A221719 9.34517 [  $-(4x^5+11x^4-20x^3-6x^2+18x-6)/(2x^6+3x^5-10x^4-2x^3+15x^2-10x+2)$  lgdogf]  
A221720 8.21883 [  $-(x^8+2x^7+2x^6+3x^5+2x^4+x^3+2x^2-2x+1)/(x-1)^3$  ogf]  
A221731 13.3959 [  $-(2x+3)/(2x^2+5x-1)$  ogf]  
A221731 7.26283 [  $\{a(n+2)-5a(n+1)-2a(n), a(0) = 3, a(1) = 17\}$ , ogf]  
A221731 8.86493 [  $-(-4x^2-12x-17)/(-4x^3-16x^2-13x+3)$  lgdogf]  
A221732 6.59335 [  $-8*(2x^3-4x^2-x-1)/(17x^4-6x^3-17x^2-18x+1)$  ogf]  
A221737 5.27877 [  $-(12x^5-64x^4+86x^3-36x^2+2x+1)/(10x^5-80x^4+120x^3-67x^2+15x-1)$  ogf]  
A221756 8.75881 [  $-x*(4x^2+x-2)/(4x^4-x^3-6x^2-x+1)$  ogf]  
A221757 3.39972 [  $-x*(10x^8-38x^7-161x^6-30x^5+235x^4-12x^3-65x^2+4)/(9x^{10}-34x^9-131x^8-48x^7+329x^6-20x^5-165x^4+14x^3+27x^2-1)$  ogf]  
A221762 10.4009 [  $(x+1)*(x^2+x+1)/(x^4-20x^2+1)$  ogf]  
A221763 10.4490 [  $-(x-1)*(x^2+5x+1)/(x^4-20x^2+1)$  ogf]  
A221763 6.32694 [  $\{-a(n+4)+20a(n+2)-a(n), a(0) = 1, a(1) = 4, a(2) = 16, a(3) = 79\}$ , ogf]  
A221764 7.73473 [  $x*(6x^2-8x+3)/(x^2-6x+1)/(x-1)^2$  ogf]  
A221769 5.86001 [  $-3*(x-1)*(x^3-7x^2+5x-1)/(10x^5-80x^4+120x^3-67x^2+15x-1)$  ogf]  
A221777 7.40121 [  $-(x^3+x^2-x-3)/(x^2+1)/(x^3+4x^2-8x+1)$  ogf]  
A221783 5.78234 [  $-x*(x^3+x^2+5x+3)/(x^5+5x^3+5x^2-1)$  ogf]

A221788 7.60356 [  $x^3*(20*x^2-16*x+5)/(x^2-6*x+1)/(x-1)^2$  ogf]  
A221795 8.54722 [  $-(4*x^3-x^2-4*x-1)/(4*x^4-x^3-6*x^2-x+1)$  ogf]  
A221796 3.22257 [  $-x*(9*x^8-34*x^7-130*x^6-54*x^5+296*x^4-22*x^3-117*x^2+12*x+12)/(9*x^{10}-34*x^9-131*x^8-48*x^7+329*x^6-20*x^5-165*x^4+14*x^3+27*x^2-1)$  ogf]  
A221801 5.27027 [  $-x*(4*x^4-11*x^3+2*x^2-16*x+9)/(4*x^6-7*x^5+4*x^4-10*x^3-8*x^2+8*x-1)$  ogf]  
A221821 4.51780 [  $-(8*x^6-16*x^5+22*x^4+2*x^3-15*x^2+4*x+3)/(8*x^7-16*x^6+22*x^5-2*x^4-11*x^3-4*x^2+9*x-1)$  ogf]  
A221829 11.1117 [  $-x*(x^2-x-3)/(2*x^2-5*x+1)$  ogf]  
A221829 5.50756 [  $\{-a(n+4)+5*a(n+3)-2*a(n+2), a(0) = 0, a(1) = 3, a(2) = 16, a(3) = 73\}$ , ogf]  
A221829 9.45327 [  $-(3*x^2-14*x+16)/(2*x^4-7*x^3+14*x-3)$  lgdogf]  
A221853 3.84063 [  $-(2*x^6+8*x^5-16*x^4-58*x^3+87*x^2-18*x-1)/(2*x^8-18*x^7+42*x^6+10*x^5-189*x^4+113*x^3+14*x^2-13*x+1)$  ogf]  
A221855 13.2163 [  $2*(4*x^4-7*x^3-3*x^2-2)/(x-1)^3$  ogf]  
A221859 9.87884 [  $-(4*x^4-16*x^3+24*x^2+6*x+6)/(-4*x^5+11*x^4-4*x^3-3*x^2+2*x-2)$  lgdogf]  
A221859 8.47847 [  $(2*x-1)*(x^2-3*x+1)/(x^5-15*x^4+35*x^3-28*x^2+9*x-1)$  ogf]  
A221862 8.62656 [  $(x-1)*(x^2-3*x+1)/(x^5-15*x^4+35*x^3-28*x^2+9*x-1)$  ogf]  
A221863 9.65212 [  $-(x^2-3*x+1)/(x^5-15*x^4+35*x^3-28*x^2+9*x-1)$  ogf]  
A221874 10.2098 [  $(x+1)*(x^2+4*x+1)/(x^2+6*x-1)/(x^2-6*x-1)$  ogf]  
A221875 10.2566 [  $-(x-1)*(x^2+8*x+1)/(x^2+6*x-1)/(x^2-6*x-1)$  ogf]  
A221880 7.89228 [  $(x^2+x-1)*(x^3-4*x^2+2*x-1)/(x+1)/(2*x-1)^2/(x-1)^2$  ogf]  
A221882 7.76082 [  $-(-4*x^4+2*x^3-6*x^2+10*x-4)/(-4*x^5+10*x^4-12*x^3+10*x^2-5*x+1)$  lgdogf]  
A221882 9.82382 [  $-(2*x^3-2*x^2+2*x-1)/(2*x-1)^2/(x-1)^2$  ogf]  
A221883 3.99245 [  $(x^6-2*x^5-5*x^4+2*x^3+14*x^2+12*x+3)/(x^8-3*x^7-5*x^6+13*x^5+18*x^4-16*x^3-27*x^2-7*x+1)$  ogf]  
A221891 8.95206 [  $-x^2*(3*x-8)/(3*x^4-5*x^3+2*x^2-5*x+1)$  ogf]  
A221894 4.54028 [  $-(x^6-4*x^5-2*x^4+34*x^3+33*x^2+16*x+3)/(x^7-4*x^6-2*x^5+34*x^4+45*x^3+26*x^2+5*x-1)$  ogf]  
A221899 4.54028 [  $-(x^6-4*x^5-2*x^4+10*x^3+25*x^2+16*x+3)/(x^7-4*x^6-2*x^5+34*x^4+45*x^3+26*x^2+5*x-1)$  ogf]  
A221904 10.2114 [  $-(19*x-2)/(10*x-1)/(9*x-1)$  ogf]  
A221904 5.76641 [  $\{a(n+2)-19*a(n+1)+90*a(n), a(0) = 2, a(1) = 19\}$ , ogf]  
A221904 6.44928 [  $-(-1710*x^2+360*x-19)/(-1710*x^3+541*x^2-57*x+2)$  lgdogf]  
A221905 5.26985 [  $\{a(n+3)-5*a(n+2)+7*a(n+1)-3*a(n), a(0) = 1, a(1) = 6, a(2) = 15\}$ , ogf]  
A221905 7.00580 [  $-(-24*x^3-18*x^2+24*x-6)/(-24*x^4+35*x^3-9*x^2-3*x+1)$  lgdogf]  
A221905 9.76218 [  $(8*x^2-x-1)/(3*x-1)/(x-1)^2$  ogf]  
A221906 4.84172 [  $\{a(n+3)-6*a(n+2)+9*a(n+1)-4*a(n), a(0) = 1, a(1) = 8, a(2) = 24\}$ , ogf]  
A221906 6.36179 [  $-(-60*x^3-44*x^2+40*x-8)/(-60*x^4+83*x^3-21*x^2-3*x+1)$  lgdogf]  
A221906 8.82442 [  $(5*x+1)*(3*x-1)/(4*x-1)/(x-1)^2$  ogf]  
A221907 5.32197 [  $\{a(n+3)-7*a(n+2)+11*a(n+1)-5*a(n), a(0) = 1, a(1) = 10, a(2) = 35\}$ , ogf]  
A221907 6.80029 [  $-(-120*x^3-90*x^2+60*x-10)/(-120*x^4+159*x^3-37*x^2-3*x+1)$  lgdogf]  
A221907 9.71470 [  $(24*x^2-3*x-1)/(5*x-1)/(x-1)^2$  ogf]  
A221908 4.76712 [  $\{a(n+3)-8*a(n+2)+13*a(n+1)-6*a(n), a(0) = 1, a(1) = 12, a(2) = 48\}$ , ogf]  
A221908 6.02438 [  $-(-210*x^3-162*x^2+84*x-12)/(-210*x^4+269*x^3-57*x^2-3*x+1)$  lgdogf]  
A221908 8.70189 [  $(35*x^2-4*x-1)/(6*x-1)/(x-1)^2$  ogf]  
A221909 4.53188 [  $\{a(n+3)-9*a(n+2)+15*a(n+1)-7*a(n), a(0) = 1, a(1) = 14, a(2) = 63\}$ , ogf]  
A221909 8.27248 [  $(48*x^2-5*x-1)/(7*x-1)/(x-1)^2$  ogf]  
A221910 4.74664 [  $\{a(n+3)-10*a(n+2)+17*a(n+1)-8*a(n), a(0) = 1, a(1) = 16, a(2) = 80\}$ , ogf]  
A221910 5.92054 [  $-(-504*x^3-408*x^2+144*x-16)/(-504*x^4+615*x^3-109*x^2-3*x+1)$  lgdogf]

A221910 8.60328 [ (63\*x^2-6\*x-1)/(8\*x-1)/(x-1)^2 ogf]  
A221911 4.94971 [ {a(n+3)-11\*a(n+2)+19\*a(n+1)-9\*a(n), a(0) = 1, a(1) = 18, a(2) = 99}, ogf]  
A221911 6.17383 [ -(-720\*x^3-594\*x^2+180\*x-18)/(-720\*x^4+863\*x^3-141\*x^2-3\*x+1) lgdogf]  
A221911 8.97134 [ (80\*x^2-7\*x-1)/(9\*x-1)/(x-1)^2 ogf]  
A221912 12.6830 [ -x^12/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^3 ogf]  
A221933 5.17739 [ -(x^4-26\*x^3+3\*x^2+21\*x+6)/(x^5-26\*x^4-5\*x^3+21\*x^2+14\*x-1) ogf]  
A221938 3.66345 [ -(x^8-4\*x^7-19\*x^6+8\*x^5+33\*x^4-3\*x^3-29\*x^2-14\*x-1)/(x^9-4\*x^8-10\*x^7+20\*x^6+42\*x^5-x^4-40\*x^3-25\*x^2-3\*x+1) ogf]  
A221948 9.34500 [ x\*(x^6-2\*x^5+7\*x^4-12\*x^3+11\*x^2-5\*x+1)/(x-1)^6 ogf]  
A221948 9.57293 [ -(4\*x^5-4\*x^4+8\*x^3-8\*x^2+3\*x-1)/(-x^7+3\*x^6-9\*x^5+19\*x^4-23\*x^3+16\*x^2-6\*x+1) lgdogf]  
A221949 12.8472 [ -x\*(2\*x^4+x^3+x^2-2\*x+1)/(x^3+x^2+x-1)/(x-1)^2 ogf]  
A221949 7.94028 [ -(2\*x^7+4\*x^6+6\*x^5+4\*x^4-x^3-3\*x^2+x-1)/(2\*x^8+x^7+x^6-6\*x^5+x^4-x^3+5\*x^2-4\*x+1) lgdogf]  
A221950 17.3597 [ -1/(x^6+2\*x^5+3\*x^4+2\*x^3+x^2+x-1) ogf]  
A221950 9.89807 [ -(-6\*x^5-10\*x^4-12\*x^3-6\*x^2-2\*x-1)/(-x^6-2\*x^5-3\*x^4-2\*x^3-x^2-x+1) lgdogf]  
A221953 27.1044 [ 10/(-20\*x+1) lgdegf]  
A221953 66.8165 [ 10/(-20\*x+1) lgdegf]  
A221953 8.93551 [ {(-20\*n-30)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 10}, ogf]  
A221954 10.6327 [ {(-12\*n-18)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 6}, ogf]  
A221954 32.9980 [ 6/(-12\*x+1) lgdegf]  
A221954 85.9241 [ 6/(-12\*x+1) lgdegf]  
A221955 27.9543 [ 12/(-24\*x+1) lgdegf]  
A221955 68.9414 [ 12/(-24\*x+1) lgdegf]  
A221955 9.21571 [ {(-24\*n-36)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 12}, ogf]  
A221957 4.18199 [ {(-4\*n^2-18\*n-20)\*a(n+1)+(n^2+10\*n+19)\*a(n+2)+(-n-3)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 7}, ogf]  
A221959 11.1632 [ (17\*x-2)/(6\*x-1)/(4\*x-1)/(8\*x-1)/(16\*x-1)/(10\*x-1) ogf]  
A221962 8.03670 [ -7\*(8\*x^3+4\*x^2-4\*x-1)/(x+1)/(8\*x^3-4\*x^2-4\*x+1) ogf]  
A221963 5.84316 [ -9\*(2\*x-1)\*(8\*x^3-6\*x-1)/(x-1)/(2\*x+1)/(8\*x^3-6\*x+1) ogf]  
A221964 4.72535 [ -11\*(32\*x^5+16\*x^4-32\*x^3-12\*x^2+6\*x+1)/(x+1)/(32\*x^5-16\*x^4-32\*x^3+12\*x^2+6\*x-1) ogf]  
A221965 4.30497 [ -13\*(64\*x^6-32\*x^5-80\*x^4+32\*x^3+24\*x^2-6\*x-1)/(x-1)/(64\*x^6+32\*x^5-80\*x^4-32\*x^3+24\*x^2+6\*x-1) ogf]  
A221966 3.49887 [ -15\*(2\*x+1)\*(4\*x^2+2\*x-1)\*(16\*x^4-8\*x^3-16\*x^2+8\*x+1)/(2\*x-1)/(x+1)/(4\*x^2-2\*x-1)/(16\*x^4+8\*x^3-16\*x^2-8\*x+1) ogf]  
A221968 5.49459 [ -(x^2-12\*x-9)\*(x^3+5\*x^2+27\*x+7)/(x-1)^6 ogf]  
A221969 4.39411 [ -(x+3)\*(x^5-9\*x^4+170\*x^3+878\*x^2+453\*x+43)/(x-1)^7 ogf]  
A221970 3.69426 [ -(x^7-9\*x^6-219\*x^5-5469\*x^4-21597\*x^3-21723\*x^2-5385\*x-255)/(x-1)^8 ogf]  
A221992 8.23316 [ -(x^2+x+1)\*(x^4-x^3-x+2)/(x^7-x^6-x^4+2\*x^3+x-1) ogf]  
A221993 5.83966 [ -(x^2+x+1)\*(x^6+2\*x^4-3\*x^3-x+2)/(x^9+2\*x^7-3\*x^6-2\*x^4+12\*x^3+x-1) ogf]  
A222001 10.2635 [ -(3\*x^3-10\*x^2+12\*x-6)/(x-1)^4 ogf]  
A222001 4.26747 [ {(13\*n^2+101\*n+150)\*a(n+1)+(-28\*n^2-200\*n-324)\*a(n+2)+(15\*n^2+93\*n+144)\*a(n+3), a(0) = 6, a(1) = 12, a(2) = 22}, ogf]  
A222001 9.42813 [ -(-3\*x^3+11\*x^2-16\*x+12)/(-3\*x^4+13\*x^3-22\*x^2+18\*x-6) lgdogf]  
A222006 12.7292 [ 1/2/x^2+1/2\*I\*(2\*x+1)^(1/2)\*(2\*x-1)^(1/2)/x^2 ogf\_with\_Euler\_transform]  
A222015 3.73121 [ -(x+1)\*(x^7-5\*x^6-5\*x^5+21\*x^4+13\*x^3-17\*x^2-15\*x-3)/(x^9-4\*x^8-10\*x^7+20\*x^6+42\*x^5-x^4-40\*x^3-25\*x^2-3\*x+1) ogf]  
A222021 7.05824 [ -(x^8+x^7+2\*x^6+x^5+x^4+x^2+x+2)/(x^4-x^3+x^2-x+1)/(x^5+x^4+x^3+x^2-1) ogf]  
A222022 4.54148 [ -(x^14-x^13-x^12-2\*x^11-2\*x^8-x^3+x^2+x+2)/(x-1)/(x^2+x+1)/(x^12-2\*x^11-x^8-x^6-x^3-x+1) ogf]  
A222036 4.63329 [ -(x^11+2\*x^10+x^9-x^8+x^6+2\*x^5-x^2+2)/(x^12+x^11-



$x^{10}-2x^9+x^8+x^7+x^6-x^5-x^3+2x-1$ ) ogf]  
A222040 10.3578 [  $(x^6+x^5+x^4+x^3+2)/(x-1)/(x^2+x-1)$  ogf]  
A222042 7.83202 [  $(x^9+x^8+x^7+x^6+x^5+x^4+x^3+2)/(x-1)/(x^2+x-1)$  ogf]  
A222055 10.0130 [  $(-\ln(x-1)-\ln(x+1)+I\pi)/x^2$  lgdegf]  
A222055 26.6015 [  $(-\ln(x-1)-\ln(x+1)+I\pi)/x^2$  lgdegf]  
A222080 5.16505 [  $\{(4n^2+12n+9)a(n+1)+(-4n-10)a(n+2)+a(n+3), a(0) = 1, a(1) = 2, a(2) = 11\}$ , ogf]  
A222090 3.99245 [  $-(2x^6-18x^5+49x^4-63x^3+51x^2-20x+3)/(4x^7-44x^6+156x^5-258x^4+217x^3-90x^2+17x-1)$  ogf]  
A222094 4.26885 [  $(2x^5-20x^4+49x^3-49x^2+20x-3)/(4x^7-44x^6+156x^5-258x^4+217x^3-90x^2+17x-1)$  ogf]  
A222098 11.0314 [  $-2*(3x-2)/(17x^2-13x+1)$  ogf]  
A222098 6.09973 [  $\{a(n+2)-13a(n+1)+17a(n), a(0) = 4, a(1) = 46\}$ , ogf]  
A222098 7.40681 [  $(-(-51x^2+68x-23)/(-51x^3+73x^2-29x+2))$  lgdogf]  
A222099 5.04343 [  $-2*(36x^4-26x^3-133x^2+71x-8)/(144x^5-114x^4-521x^3+302x^2-42x+1)$  ogf]  
A222121 7.38323 [  $-(x^7+x^6+x^5+x^4+x^2+x+2)/(x^2+x+1)/(x^6-x^5+x^4-x^2+2x-1)$  ogf]  
A222122 9.77897 [  $-(x^4+x^3+x^2+x+2)/(x^5+x^3+x-1)$  ogf]  
A222123 7.88190 [  $-(x^5-x^4-2x^3-x^2-x-2)/(x^6-2x^5-x^3-x+1)$  ogf]  
A222124 4.11524 [  $-(x^2+x+1)*(x^{10}-2x^9-x^8+2x^7-3x^6+2x^4-3x^3+x-2)/(x^{13}-2x^{12}-x^{10}-x^8-x^5-x^3-x+1)$  ogf]  
A222125 4.59167 [  $-(x^{14}-x^{12}-x^{10}-2x^7+x^6+x^5+x^4+2x^3+x^2+x+2)/(x^2-x+1)/(x^{13}-x^{11}-x^{10}+x^8+x^7-x^6+x^4+2x^3+x^2-1)$  ogf]  
A222138 10.1568 [  $\{a(n+1)-13a(n), a(0) = 4\}$ , ogf]  
A222138 17.9437 [  $13/(-13x+1)$  lgdogf]  
A222138 20.7042 [  $-4/(13x-1)$  ogf]  
A222139 5.66798 [  $\{a(n+2)-45a(n+1)+116a(n), a(0) = 16, a(1) = 676\}$ , ogf]  
A222139 6.39464 [  $(-(-1276x^2+928x-169)/(-1276x^3+959x^2-191x+4))$  lgdogf]  
A222139 9.97564 [  $-4*(11x-4)/(116x^2-45x+1)$  ogf]  
A222140 3.51710 [  $\{-a(n+3)+153a(n+2)-2197a(n+1)+6434a(n), a(0) = 64, a(1) = 8788, a(2) = 1206964\}$ , ogf]  
A222140 6.01609 [  $-4*(752x^2-251x+16)/(6434x^3-2197x^2+153x-1)$  ogf]  
A222160 7.66612 [  $(x+1)^2/(x^2+x-1)/(x^4+x^3+2x^2+2x-1)$  ogf]  
A222170 9.22667 [  $-x*(x+1)*(x^2+3x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A222182 12.5468 [  $(-5x^2-18x+1)/(5x^3-19x^2+19x-5)$  lgdogf]  
A222182 13.5586 [  $(5x^2-14x+5)/(x-1)^3$  ogf]  
A222182 7.50565 [  $\{-a(n+3)+3a(n+2)-3a(n+1)+a(n), a(0) = -5, a(1) = -1, a(2) = 7\}$ , ogf]  
A222210 6.11570 [  $-(10x^{30}-20x^{20}+9x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-2x^2+x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A222217 5.26387 [  $(x^9+8x^8-15x^7+16x^6-15x^5+16x^4-15x^3+16x^2-15x+8)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A222218 7.38574 [  $(10x^{10}-8x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2-8x+9)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A222225 6.52576 [  $x*(70x^{29}-140x^{19}+71x^9+8x^8-6x^7+x^6+x^5+x^4+x^3+x^2-6x+8)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A222254 7.68356 [  $x*(2x^9-x^8+2x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A222256 11.9969 [  $x*(4x^4+2x^3+3x^2+2x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A222257 11.7061 [  $(3x^5+x^4+2x^3+3x^2+2x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A222258 13.1608 [  $x*(5x^6+2x^5+3x^4+4x^3+3x^2+2x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A222259 12.7572 [  $(4x^7+x^6+2x^5+3x^4+4x^3+3x^2+2x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A222260 11.0859 [  $x*(6x^8+2x^7+3x^6+4x^5+5x^4+4x^3+3x^2+2x+1)/(x-1)^2/(x^4+x^3+x^2+x+1)^2$  ogf]  
A222261 9.36711 [  $(5x^9+x^8+2x^7+3x^6+4x^5+5x^4+4x^3+3x^2+2x+1)/(x-1)^2/(x^4+x^3+x^2+x+1)^2$  ogf]  
A222276 5.56219 [  $\{a(n+2)-92a(n+1)+335a(n), a(0) = 25, a(1) = 2205\}$ , ogf]  
A222276 6.18794 [  $(-(-6365x^2+3350x-441)/(-6365x^3+3423x^2-479x+5))$  lgdogf]

A222276 9.90070 [  $-5*(19*x-5)/(335*x^2-92*x+1)$  ogf]  
A222277 3.26825 [  $\{-a(n+3)+399*a(n+2)-10749*a(n+1)+64767*a(n), a(0) = 125, a(1) = 46305, a(2) = 17153945\}$ , ogf]  
A222277 5.51518 [  $-5*(4375*x^2-714*x+25)/(64767*x^3-10749*x^2+399*x-1)$  ogf]  
A222308 8.13398 [  $\{-(-3*x^5-31*x^4-115*x^3-171*x^2-126*x-34)/(-x^6-7*x^5-17*x^4-9*x^3+12*x^2+16*x+6)$  lgdogf]  
A222308 8.69983 [  $-x*(x^4+7*x^3+18*x^2+16*x+6)/(x+1)^2/(x-1)^5$  ogf]  
A222309 5.09044 [  $-x*(x^8+17*x^7+126*x^6+354*x^5+591*x^4+507*x^3+262*x^2+58*x+4)/(x+1)^4/(x-1)^7$  ogf]  
A222329 7.25759 [  $-(x^6+x^5+x^4+x^3+x^2+x+2)/(x^7+x^5+x^3+x-1)$  ogf]  
A222330 5.92191 [  $-(x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+2)/(x^9+x^7+x^5+x^3+x-1)$  ogf]  
A222331 4.92616 [  $-(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+2)/(x^{11}+x^9+x^7+x^5+x^3+x-1)$  ogf]  
A222332 4.17893 [  $-(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+2)/(x^{13}+x^{11}+x^9+x^7+x^5+x^3+x-1)$  ogf]  
A222333 3.62854 [  $-(x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+2)/(x^{15}+x^{13}+x^{11}+x^9+x^7+x^5+x^3+x-1)$  ogf]  
A222335 17.5121 [  $31/(-31*x+1)$  lgdogf]  
A222335 20.2062 [  $-6/(31*x-1)$  ogf]  
A222335 9.91249 [  $\{a(n+1)-31*a(n), a(0) = 6\}$ , ogf]  
A222336 5.08026 [  $\{a(n+2)-165*a(n+1)+774*a(n), a(0) = 36, a(1) = 5766\}$ , ogf]  
A222336 8.79275 [  $-6*(29*x-6)/(774*x^2-165*x+1)$  ogf]  
A222337 3.57947 [  $\{-a(n+3)+873*a(n+2)-38091*a(n+1)+387974*a(n), a(0) = 216, a(1) = 178746, a(2) = 147918906\}$ , ogf]  
A222337 6.02399 [  $-6*(16884*x^2-1637*x+36)/(387974*x^3-38091*x^2+873*x-1)$  ogf]  
A222341 6.21125 [  $-(35*x^4-515*x^3+1078*x^2-674*x+126)/(x^5-15*x^4+35*x^3-28*x^2+9*x-1)$  ogf]  
A222342 4.49359 [  $-(126*x^5-2611*x^4+8095*x^3-8341*x^2+3368*x-462)/(x^6-21*x^5+70*x^4-84*x^3+45*x^2-11*x+1)$  ogf]  
A222381 6.49268 [  $-2*(32*x^6+16*x^4-20*x^3+4*x+1)/(4*x-1)/(4*x^3-1)^2$  ogf]  
A222382 6.42711 [  $-8*(16*x^4+8*x^2-2*x+1)/(8*x-1)/(2*x-1)^2/(2*x+1)^2$  ogf]  
A222390 8.58527 [  $-3*x*(x^2+4*x+1)/(x-1)/(x^2+6*x-1)/(x^2-6*x-1)$  ogf]  
A222393 7.16684 [  $-(3*x^5+3*x^4-38*x^3-102*x^2+67*x+3)/(x^6-35*x^4+35*x^2-1)$  lgdogf]  
A222393 8.46205 [  $-4*x*(x+1)^2/(x-1)/(x^2+6*x+1)/(x^2-6*x+1)$  ogf]  
A222408 6.65335 [  $-(x^4+6*x^3+16*x^2+6*x+1)/(x-1)^5$  ogf]  
A222409 11.2244 [  $x*(x^4+3*x^3-2*x^2+3*x+3)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A222410 4.51691 [  $-(x^6+8*x^5+29*x^4+64*x^3+29*x^2+8*x+1)/(x-1)^7$  ogf]  
A222431 4.14503 [  $-(x^{12}+x^{10}+x^9-2*x^8+x^7-x^6-x^5+2*x^4+x-2)/(x-1)/(x+1)/(x^2+1)/(x^9-x^8+x^7-x^5+x^4-x^2+2*x-1)$  ogf]  
A222439 10.8593 [  $-3*(5*x-3)/(27*x^2-18*x+1)$  ogf]  
A222439 6.06101 [  $\{a(n+2)-18*a(n+1)+27*a(n), a(0) = 9, a(1) = 147\}$ , ogf]  
A222439 7.04388 [  $\{-(-135*x^2+162*x-49)/(-135*x^3+171*x^2-59*x+3)$  lgdogf]  
A222440 4.61452 [  $\{-a(n+3)+45*a(n+2)-267*a(n+1)+263*a(n), a(0) = 27, a(1) = 1029, a(2) = 39285\}$ , ogf]  
A222440 8.12415 [  $-3*(63*x^2-62*x+9)/(263*x^3-267*x^2+45*x-1)$  ogf]  
A222459 4.45697 [  $\{a(n+2)-270*a(n+1)+1547*a(n), a(0) = 49, a(1) = 12943\}$ , ogf]  
A222459 7.73662 [  $-7*(41*x-7)/(1547*x^2-270*x+1)$  ogf]  
A222465 11.6437 [  $\{-(-7*x^2-10*x-7)/(-7*x^3+9*x^2-5*x+3)$  lgdogf]  
A222465 12.4072 [  $-(7*x^2-2*x+3)/(x-1)^3$  ogf]  
A222465 6.69768 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 7, a(2) = 19\}$ , ogf]  
A222467 5.23761 [  $\{2*a(n+1)+(n+3)*a(n+2)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A222468 4.89980 [  $\{-2*a(n+1)+(-n-4)*a(n+2)+a(n+3), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A222469 4.68388 [  $\{-2*a(n+1)+(n+3)*a(n+2)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 0\}$ , ogf]  
A222470 4.67131 [  $\{2*a(n+1)+(-n-4)*a(n+2)+a(n+3), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A222472 5.00135 [  $\{-3*a(n+1)+(-n-4)*a(n+2)+a(n+3), a(0) = 1, a(1) = 2, a(2) = 9\}$ , ogf]

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ogf]
A222549 5.25583 [ -(x^6+3*x^5-11*x^4+6*x^3-6*x^2+15*x-7)/(x-1)/
(x^6+4*x^5-8*x^4-2*x^2+4*x-1) ogf]
A222550 3.72007 [ -
(7*x^8+148*x^7+224*x^6-473*x^5+175*x^4+14*x^3-110*x^2+115*x-31)/
(x^9+21*x^8+29*x^7-73*x^6+36*x^5-4*x^4-10*x^3+15*x^2-7*x+1) ogf]
A222591 6.68063 [ -(2*x^8+2*x^7+x^6-x^5+2*x^4+x^3+8*x^2+5*x+1)/(x-1)^3/(x^2+x
+1)^3 ogf]
A222620 4.10309 [ x*(5*x^20-x^19-x^18-x^17-
x^16+8*x^15+45*x^14+10*x^13+10*x^12+10*x^11+10*x^10+x^9+x^5+x^4+x^3+x^2+x+1)/(x
+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2 ogf]
A222655 7.45959 [ -(5*x^4+100*x^3+270*x^2+100*x+5)/
(5*x^5+35*x^4+10*x^3-50*x^2+x-1) lgdogf]
A222655 8.15893 [ -4*(5*x^4+40*x^3+50*x^2+1)/(x-1)^5 ogf]
A222657 13.5791 [ (x^3+2*x+1)/(x^2+x+1)/(x-1)^2 ogf]
A222657 4.98990 [ {(-4*n-15)*a(n+1)-4*a(n+2)-4*a(n+3)+(4*n+11)*a(n+4), a(0) = 1,
a(1) = 3, a(2) = 3, a(3) = 5}, ogf]
A222657 9.41277 [ -(-x^5-x^4-7*x^3-9*x^2-3*x-3)/(-x^6-2*x^4+2*x+1) lgdogf]
A222704 16.5119 [ -(x^5-x^3-x)/(-x+1) ogf_with_Euler_transform]
A222705 16.7587 [ -(x^6-x^4-x)/(-x+1) ogf_with_Euler_transform]
A222706 16.5998 [ -(x^7-x^5-x)/(-x+1) ogf_with_Euler_transform]
A222707 16.9255 [ -(x^8-x^6-x)/(-x+1) ogf_with_Euler_transform]
A222708 16.8456 [ -(x^9-x^7-x)/(-x+1) ogf_with_Euler_transform]
A222709 16.4305 [ -(x^10-x^8-x)/(-x+1) ogf_with_Euler_transform]
A222710 16.2740 [ -(x^11-x^9-x)/(-x+1) ogf_with_Euler_transform]
A222715 7.07896 [ 2*(7*x^4+8*x^3+12*x^2+4*x+1)/(x+1)^3/(x-1)^6 ogf]
A222716 11.2996 [ 10*x*(x^2+4*x+1)/(x-1)^6 ogf]
A222716 16.2645 [ -(4*x^2+22*x+10)/(x^3+3*x^2-3*x-1) lgdogf]
A222716 5.34060 [ {(n+3)*a(n+4)+(-4+3*n)*a(n+3)+(-25-3*n)*a(n+2)+(-4-n)*a(n+1),
a(0) = 0, a(1) = 10, a(2) = 100, a(3) = 460}, ogf]
A222731 12.4741 [ -(x^7-x^6-2*x^4+2*x^2+x)/(x-1) ogf_with_Euler_transform]
A222732 12.7943 [ -(-x^9+x^8+2*x^5-2*x^3-x)/(-x+1) ogf_with_Euler_transform]
A222733 12.0102 [ -(x^11-x^10-2*x^6+2*x^4+x)/(x-1) ogf_with_Euler_transform]
A222734 12.0758 [ -(-x^13+x^12+2*x^7-2*x^5-x)/(-x+1) ogf_with_Euler_transform]
A222735 12.3725 [ -(x^15-x^14-2*x^8+2*x^6+x)/(x-1) ogf_with_Euler_transform]
A222736 12.1982 [ -(x^17+x^16+2*x^9-2*x^7-x)/(-x+1) ogf_with_Euler_transform]
A222737 11.9044 [ -(x^19-x^18-2*x^10+2*x^8+x)/(x-1) ogf_with_Euler_transform]
A222738 12.1963 [ -(x^21-x^20-2*x^11+2*x^9+x)/(x-1) ogf_with_Euler_transform]
A222739 5.21172 [ -4*(250000*x^3-157875*x^2+6795*x-19)/(x-1)/(100*x-1)/
(1000*x-1)/(10*x-1) ogf]
A222740 4.16124 [ -(x^8+15*x^7+2*x^6-3*x^5+66*x^4-3*x^3+2*x^2+15*x+1)/(x-1)^3/
(x^2+1)^3 ogf]
A222755 4.70351 [ -(16*x^14+16*x^12-x^10+4*x^9-49*x^8-x^7-16*x^6-
x^5-5*x^3+4*x^2-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) ogf]
A222759 4.54380 [ -x*(x^24-x^22+x^21-x^19+x^18-x^16+x^15-x^13+x^12-x^10+x^9-
x^7+x^6+x^3-x^2-x+2)/(x-1) ogf]
A222776 5.10026 [ (x+1)*(53*x^5-189*x^4+192*x^3-81*x^2+15*x-1)/(x-1)/(6*x-1)/
(4*x-1)/(3*x-1)/(2*x-1) ogf]
A222777 4.87516 [ (660*x^5-1779*x^4-667*x^3+559*x^2-71*x+2)/(x-1)/(4*x-1)/
(25*x-1)/(9*x-1) ogf]
A222778 3.00693 [ {a(n+5)-101*a(n+4)+1470*a(n+3)-3528*a(n+2), a(0) = 3, a(1) =
34, a(2) = 969, a(3) = 64752, a(4) = 5227536}, ogf]
A222778 5.16816 [ (7938*x^4-6279*x^3-1945*x^2+269*x-3)/(3*x-1)/(14*x-1)/(84*x-1)
ogf]
A222834 4.76958 [ {a(n+4)-2*a(n+3)-2*a(n+2)+a(n+1), a(0) = 7, a(1) = 96, a(2) =
216, a(3) = 600}, ogf]
A222834 9.07546 [ -(17*x^3-10*x^2-82*x-7)/(x+1)/(x^2-3*x+1) ogf]
A222835 6.31513 [ (72*x^6+144*x^5-173*x^4-202*x^3+120*x^2-346*x-19)/(x^2+1)/
(x^2+2*x-1) ogf]
A222867 6.10186 [ (x+1)*(11*x^4-37*x^3+32*x^2-10*x+1)/(x-1)/(3*x-1)/(2*x-1)/
(5*x-1) ogf]

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A222868 3.70270 [ $\{a(n+5)-21a(n+4)+84a(n+3)-64a(n+2), a(0) = 2, a(1) = 7, a(2) = 34, a(3) = 370, a(4) = 5314\}$ , ogf]  
A222868 6.66486 [ $(48x^4-116x^3-55x^2+35x-2)/(x-1)/(4x-1)/(16x-1)$  ogf]  
A222869 4.78495 [ $\{a(n+4)-42a(n+3)+117a(n+2), a(0) = 3, a(1) = 34, a(2) = 816, a(3) = 30528\}$ , ogf]  
A222869 8.59904 [ $(234x^3-261x^2-92x+3)/(39x-1)/(3x-1)$  ogf]  
A222890 4.27248 [ $(x+1)*(309x^6-1157x^5+1314x^4-669x^3+170x^2-21x+1)/(x-1)/(4x-1)/(3x-1)/(2x-1)/(7x-1)/(5x-1)$  ogf]  
A222891 3.91992 [ $(15264x^6-41380x^5-13129x^4+13680x^3-2278x^2+125x-2)/(x-1)/(4x-1)/(36x-1)/(9x-1)/(16x-1)$  ogf]  
A222892 3.45970 [ $(558558x^5-495045x^4-138229x^3+21972x^2-599x+3)/(3x-1)/(39x-1)/(155x-1)/(14x-1)$  ogf]  
A222919 4.82773 [ $(x+1)*(3x^6+9x^5-15x^3-3x^2+6x-1)/(2x^2+2x-1)/(x^2+x-1)/(4x^2+4x-1)$  ogf]  
A222939 4.61936 [ $\{a(n+5)-7a(n+4)+14a(n+3)-8a(n+2), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 7, a(4) = 20\}$ , ogf]  
A222939 8.64650 [ $(x+1)*(3x^3-9x^2+6x-1)/(x-1)/(2x-1)/(4x-1)$  ogf]  
A222940 5.25522 [ $\{a(n+4)-10a(n+3)+9a(n+2), a(0) = 2, a(1) = 7, a(2) = 33, a(3) = 273\}$ , ogf]  
A222940 9.68931 [ $(6x^3-19x^2-13x+2)/(9x-1)/(x-1)$  ogf]  
A222941 11.4534 [ $3*(14x^2+3x-1)/(14x-1)$  ogf]  
A222941 6.11716 [ $\{-a(n+3)+14a(n+2), a(0) = 3, a(1) = 33, a(2) = 420\}$ , ogf]  
A222941 7.47653 [ $-(196x^2-28x+11)/(-196x^3-28x^2+17x-1)$  lgdogf]  
A222942 3.44473 [ $\{a(n+5)-17a(n+4)-136a(n+3)+512a(n+2), a(0) = 7, a(1) = 273, a(2) = 5880, a(3) = 130680, a(4) = 2883000\}$ , ogf]  
A222942 6.17805 [ $(1536x^4-2824x^3+287x^2+154x+7)/(8x+1)/(64x^2-25x+1)$  ogf]  
A222945 10.2592 [ $-(-2x^3+6x^2-3x+7)/(2x^4-6x^3+9x^2-4x-1)$  lgdogf]  
A222945 13.4547 [ $(2x^3-4x^2+5x+1)/(x-1)^2$  ogf]  
A222945 7.13686 [ $\{a(n+4)-2a(n+3)+a(n+2), a(0) = 1, a(1) = 7, a(2) = 9, a(3) = 13\}$ , ogf]  
A222947 8.08610 [ $(2x^7-2x^6+2x^5+2x^4-4x^3+x^2+6x+1)/(x+1)/(x-1)^2$  ogf]  
A222964 11.0268 [ $-x*(13x^2+24x+13)/(x+1)^2/(x-1)^3$  ogf]  
A222964 11.2958 [ $-(-39x^3-109x^2-115x-37)/(-13x^4-24x^3+24x+13)$  lgdogf]  
A222993 3.25556 [ $\{(-6n-42)a(n+1)+(11n+68)a(n+2)+(-6n-33)a(n+3)+(n+5)a(n+4), a(0) = 9, a(1) = 50, a(2) = 222, a(3) = 867\}$ , ogf]  
A222993 6.60782 [ $-(12x^4-40x^3+51x^2-31x+9)/(3x-1)/(2x-1)^2/(x-1)^2$  ogf]  
A223028 7.56697 [ $-2x*(x+1)*(2x^2-x+3)/(2x-1)/(2x^2-1)^2$  ogf]  
A223056 5.42530 [ $(16x^4-73x^3+76x^2-26x+2)/(2x-1)/(x-1)/(24x^2-15x+1)$  ogf]  
A223057 3.78385 [ $(336x^6-2238x^5+295x^4+2081x^3-1170x^2+161x-5)/(2x-1)/(x-1)/(504x^4+162x^3-357x^2+52x-1)$  ogf]  
A223069 3.86866 [ $-(144x^6-564x^5+904x^4-769x^3+376x^2-106x+16)/(4x-1)/(2x-1)^2/(3x-1)^2/(x-1)^2$  ogf]  
A223081 6.82479 [[2] ogf\_with\_Euler\_transform]  
A223082 7.66622 [ $-(4x^3+24x^2)/(-x^4-8x^3-216)$  lgdegf]  
A223133 8.86541 [ $(x^7-x^6+x^5+x^4-2x^3+3x+1)/(x+1)/(x-1)^2$  ogf]  
A223134 10.3578 [ $-(x^3-3x^2+2x-4)/(-x^4+3x^3-4x^2+x+1)$  lgdogf]  
A223134 13.5840 [ $(x^3-2x^2+2x+1)/(x-1)^2$  ogf]  
A223134 7.26865 [ $\{a(n+4)-2a(n+3)+a(n+2), a(0) = 1, a(1) = 4, a(2) = 5, a(3) = 7\}$ , ogf]  
A223173 12.4811 [ $-(6x-1)/(3x-1)/(2x-1)/(4x-1)$  ogf]  
A223173 6.02157 [ $\{-a(n+3)+9a(n+2)-26a(n+1)+24a(n), a(0) = -1, a(1) = -3, a(2) = -1\}$ , ogf]  
A223173 7.54351 [ $-(288x^3-228x^2+52x-3)/(144x^4-180x^3+80x^2-15x+1)$  lgdogf]  
A223181 10.3246 [ $5*(4x^2-14x+5)/(4x^2-6x+1)$  ogf]  
A223181 5.45449 [ $\{a(n+3)-6a(n+2)+4a(n+1), a(0) = 25, a(1) = 80, a(2) = 400\}$ , ogf]  
A223181 7.22720 [ $-(32x^2-32x+16)/(-16x^4+80x^3-108x^2+44x-5)$  lgdogf]  
A223182 5.12823 [ $5*(36x^5-280x^4+548x^3-401x^2+186x-25)/(x-1)/$

$(4x^4-20x^3+16x^2-9x+1)$  ogf]  
A223197 11.2655 [  $-16*(4x-1)/(128x^2-40x+1)$  ogf]  
A223197 6.40084 [  $\{a(n+2)-40a(n+1)+128a(n), a(0) = 16, a(1) = 576\}$ , ogf]  
A223197 7.61181 [  $-(-512x^2+256x-36)/(-512x^3+288x^2-44x+1)$  lgdogf]  
A223198 3.40242 [  $\{-a(n+3)+144a(n+2)-3840a(n+1)+24576a(n), a(0) = 64, a(1) = 6912, a(2) = 765952\}$ , ogf]  
A223198 5.67069 [  $-64*(256x^2-36x+1)/(24576x^3-3840x^2+144x-1)$  ogf]  
A223204 13.7407 [  $-3*(2x-3)/(2x^2-9x+1)$  ogf]  
A223204 7.44978 [  $\{a(n+2)-9a(n+1)+2a(n), a(0) = 9, a(1) = 75\}$ , ogf]  
A223204 9.09312 [  $-(-4x^2+12x-25)/(-4x^3+24x^2-29x+3)$  lgdogf]  
A223205 4.39948 [  $\{-a(n+3)+19a(n+2)-54a(n+1)+32a(n), a(0) = 27, a(1) = 375, a(2) = 5763\}$ , ogf]  
A223205 7.82849 [  $-3*(32x^2-46x+9)/(32x^3-54x^2+19x-1)$  ogf]  
A223211 10.5117 [  $-(-4x^2-8x-3)/(-4x^3-6x^2-x+1)$  lgdogf]  
A223211 14.9499 [  $-6*(x+1)/(4x^2+2x-1)$  ogf]  
A223211 8.10537 [  $\{-a(n+2)+2a(n+1)+4a(n), a(0) = 6, a(1) = 18\}$ , ogf]  
A223212 12.6548 [  $-18*(x+1)/(9x^2+6x-1)$  ogf]  
A223212 6.99738 [  $\{-a(n+2)+6a(n+1)+9a(n), a(0) = 18, a(1) = 126\}$ , ogf]  
A223212 9.01177 [  $-(-9x^2-18x-7)/(-9x^3-15x^2-5x+1)$  lgdogf]  
A223228 11.1638 [  $-5*(18x-5)/(90x^2-35x+1)$  ogf]  
A223228 6.28766 [  $\{a(n+2)-35a(n+1)+90a(n), a(0) = 25, a(1) = 785\}$ , ogf]  
A223228 6.92438 [  $-(-1620x^2+900x-157)/(-1620x^3+1080x^2-193x+5)$  lgdogf]  
A223229 3.85752 [  $\{-a(n+3)+73a(n+2)-423a(n+1)+351a(n), a(0) = 125, a(1) = 7445, a(2) = 492365\}$ , ogf]  
A223229 6.62034 [  $-5*(351x^2-336x+25)/(x-1)/(351x^2-72x+1)$  ogf]  
A223234 5.21347 [  $\{-a(n+3)+7a(n+2)+30a(n+1), a(0) = 12, a(1) = 65, a(2) = 785\}$ , ogf]  
A223234 6.48652 [  $-(-360x^2+660x+65)/(-900x^4-780x^3+257x^2+103x-12)$  lgdogf]  
A223234 9.78668 [  $(30x^2+19x-12)/(3x+1)/(10x-1)$  ogf]  
A223235 4.83939 [  $(28620x^4-30768x^3+4817x^2+1747x-144)/(540x^4-552x^3+103x^2+18x-1)$  ogf]  
A223240 14.2750 [  $-(11x+7)/(2x+1)/(3x-1)$  ogf]  
A223240 7.91147 [  $\{-a(n+2)+a(n+1)+6a(n), a(0) = 7, a(1) = 18\}$ , ogf]  
A223240 9.51670 [  $-(-66x^2-84x-18)/(-66x^3-53x^2+4x+7)$  lgdogf]  
A223241 12.0910 [  $-6*(4x-3)/(4x^2-7x+1)$  ogf]  
A223241 6.68561 [  $\{a(n+2)-7a(n+1)+4a(n), a(0) = 18, a(1) = 102\}$ , ogf]  
A223241 8.11824 [  $-(-16x^2+24x-17)/(-16x^3+40x^2-25x+3)$  lgdogf]  
A223242 4.82728 [  $-6*(310x^4-166x^3-601x^2+87x+10)/(180x^5-286x^4-430x^3+231x^2+2x-1)$  ogf]  
A223249 12.9061 [  $-4*(2x-3)/(2x^2-5x+1)$  ogf]  
A223249 7.06763 [  $\{a(n+2)-5a(n+1)+2a(n), a(0) = 12, a(1) = 52\}$ , ogf]  
A223249 8.73060 [  $-(-4x^2+12x-13)/(-4x^3+16x^2-17x+3)$  lgdogf]  
A223250 5.40256 [  $-4*(78x^4-46x^3-175x^2+43x+8)/(48x^5-70x^4-126x^3+75x^2+2x-1)$  ogf]  
A223251 3.44661 [  $4*(24x^6-1036x^5+760x^4+1158x^3-363x^2-131x+20)/(460x^6-476x^5-436x^4+299x^3+28x^2-20x+1)$  ogf]  
A223258 10.9915 [  $-5*(21x-5)/(129x^2-38x+1)$  ogf]  
A223258 6.37007 [  $\{a(n+2)-38a(n+1)+129a(n), a(0) = 25, a(1) = 845\}$ , ogf]  
A223258 7.00708 [  $-(-2709x^2+1290x-169)/(-2709x^3+1443x^2-211x+5)$  lgdogf]  
A223265 4.66945 [  $\{a(n+2)-112a(n+1)+1024a(n), a(0) = 64, a(1) = 6144\}$ , ogf]  
A223265 7.86889 [  $-64*(16x-1)/(1024x^2-112x+1)$  ogf]  
A223270 10.2562 [  $-(-64x-8)/(-32x^2-8x+1)$  lgdogf]  
A223270 15.0827 [  $-6/(32x^2+8x-1)$  ogf]  
A223270 6.10489 [  $\{-a(n+2)+8a(n+1)+32a(n), a(0) = 6, a(1) = 48\}$ , ogf]  
A223271 3.64684 [  $\{-a(n+4)+24a(n+3)+256a(n+2)-1024a(n+1), a(0) = 36, a(1) = 576, a(2) = 20992, a(3) = 622592\}$ , ogf]  
A223271 6.51221 [  $4*(2048x^3-512x^2-72x+9)/(1024x^3-256x^2-24x+1)$  ogf]  
A223277 11.5615 [  $-3*(4x-3)/(12x^2-11x+1)$  ogf]  
A223277 6.52884 [  $\{a(n+2)-11a(n+1)+12a(n), a(0) = 9, a(1) = 87\}$ , ogf]  
A223277 7.92787 [  $-(-48x^2+72x-29)/(-48x^3+80x^2-37x+3)$  lgdogf]

A223278 10.4249 [  $-27*(4*x-1)/(36*x^2-17*x+1)$  ogf]  
A223278 5.99134 [  $\{a(n+2)-17*a(n+1)+36*a(n), a(0) = 27, a(1) = 351\}$ , ogf]  
A223278 7.14037 [  $(-144*x^2+72*x-13)/(-144*x^3+104*x^2-21*x+1)$  lgdogf]  
A223279 3.87137 [  $-3*(64*x^2-68*x+9)*(56*x^3-76*x^2-54*x+3)/$   
 $(1536*x^6-4064*x^5+1704*x^4+1268*x^3-518*x^2+45*x-1)$  ogf]  
A223283 10.9842 [  $(78*x^2+45*x-20)/(6*x^2+3*x-1)$  ogf]  
A223283 5.85826 [  $\{-a(n+3)+3*a(n+2)+6*a(n+1), a(0) = 20, a(1) = 15, a(2) = 87\}$ ,  
ogf]  
A223283 7.41105 [  $(-(-36*x^2+84*x+15)/(-468*x^4-504*x^3+63*x^2+105*x-20)$  lgdogf]  
A223284 4.12637 [  $\{a(n+4)-5*a(n+3)-18*a(n+2)+24*a(n+1), a(0) = 400, a(1) = 75,$   
 $a(2) = 849, a(3) = 4995\}$ , ogf]  
A223284 7.14566 [  $(9000*x^3-6726*x^2-1925*x+400)/(24*x^3-18*x^2-5*x+1)$  ogf]  
A223285 3.18589 [  $(9097344*x^6+1517376*x^5-7280536*x^4-444304*x^3+729580*x^2+39625*x-8000)/$   
 $(1152*x^6+192*x^5-920*x^4-56*x^3+92*x^2+5*x-1)$  ogf]  
A223290 14.2321 [  $-3*(5*x+3)/(8*x^2+x-1)$  ogf]  
A223290 7.88769 [  $\{-a(n+2)+a(n+1)+8*a(n), a(0) = 9, a(1) = 24\}$ , ogf]  
A223290 9.62762 [  $(-(-40*x^2-48*x-8)/(-40*x^3-29*x^2+2*x+3)$  lgdogf]  
A223291 13.3440 [  $-24*(2*x-1)/(6*x^2-9*x+1)$  ogf]  
A223291 7.37842 [  $\{a(n+2)-9*a(n+1)+6*a(n), a(0) = 24, a(1) = 168\}$ , ogf]  
A223291 9.08936 [  $(-(-12*x^2+12*x-7)/(-12*x^3+24*x^2-11*x+1)$  lgdogf]  
A223292 4.57567 [  $-24*(266*x^4-138*x^3-481*x^2+49*x+4)/$   
 $(448*x^5-750*x^4-1022*x^3+531*x^2+2*x-1)$  ogf]  
A223299 10.9859 [  $-36*(2*x-1)/(12*x^2-11*x+1)$  ogf]  
A223299 6.18747 [  $\{a(n+2)-11*a(n+1)+12*a(n), a(0) = 36, a(1) = 324\}$ , ogf]  
A223299 7.80159 [  $(-(-24*x^2+24*x-9)/(-24*x^3+34*x^2-13*x+1)$  lgdogf]  
A223318 4.94724 [  $\{a(n+2)-479*a(n+1)+15210*a(n), a(0) = 625, a(1) = 274625\}$ , ogf]  
A223318 8.24540 [  $-125*(198*x-5)/(15210*x^2-479*x+1)$  ogf]  
A223322 11.4772 [  $-125/(-403*x^2+187*x-12)$  lgdogf]  
A223322 12.3380 [  $(-12+31*x)/(13*x-1)$  ogf]  
A223322 6.49370 [  $\{a(n+2)-13*a(n+1), a(0) = 12, a(1) = 125\}$ , ogf]  
A223323 4.41840 [  $\{-a(n+4)+38*a(n+3)-129*a(n+2), a(0) = 144, a(1) = 3125, a(2) =$   
 $105625, a(3) = 3570125\}$ , ogf]  
A223323 7.73220 [  $(- (40500*x^3-5451*x^2+2347*x-144)/(129*x^2-38*x+1)$  ogf]  
A223328 4.99743 [  $\{a(n+2)-117*a(n+1)+294*a(n), a(0) = 81, a(1) = 9261\}$ , ogf]  
A223328 8.64940 [  $-27*(8*x-3)/(294*x^2-117*x+1)$  ogf]  
A223329 3.22725 [  $\{a(n+3)-282*a(n+2)+3969*a(n+1)-9604*a(n), a(0) = 243, a(1) =$   
 $64827, a(2) = 17324685\}$ , ogf]  
A223329 5.57434 [  $-27*(294*x^2-137*x+9)/(9604*x^3-3969*x^2+282*x-1)$  ogf]  
A223332 4.22490 [  $\{-a(n+4)+18*a(n+3)-27*a(n+2), a(0) = 64, a(1) = 243, a(2) =$   
 $3969, a(3) = 64827\}$ , ogf]  
A223332 7.60481 [  $(- (54*x^3-1323*x^2+909*x-64)/(27*x^2-18*x+1)$  ogf]  
A223333 3.63814 [  $(121716*x^6-112104*x^5+375051*x^4-489823*x^3+184197*x^2-22389*x+512)/(3*x-1)/$   
 $(263*x^3-267*x^2+45*x-1)$  ogf]  
A223337 10.0624 [  $-3*(12*x^2-5)/(8*x^3-4*x^2-4*x+1)$  ogf]  
A223337 5.11794 [  $\{a(n+3)-4*a(n+2)-4*a(n+1)+8*a(n), a(0) = 15, a(1) = 60, a(2) =$   
 $264\}$ , ogf]  
A223337 6.12042 [  $(-(-96*x^4+72*x^2-16*x-20)/(-96*x^5+48*x^4+88*x^3-32*x^2-20*x+5)$   
lgdogf]  
A223338 4.11343 [  $-12*(2*x^5-41*x^4-5*x^3+50*x^2+14*x-5)/$   
 $(3*x^6-79*x^5+7*x^4+94*x^3+11*x^2-13*x+1)$  ogf]  
A223346 14.1427 [  $2*(x^2-6*x-3)/(5*x^2-1)$  ogf]  
A223346 8.22248 [  $\{-a(n+3)+5*a(n+1), a(0) = 6, a(1) = 12, a(2) = 28\}$ , ogf]  
A223346 9.30438 [  $(- (30*x^2+28*x+6)/(-5*x^4+30*x^3+16*x^2-6*x-3)$  lgdogf]  
A223347 5.78074 [  $-4*(64*x^5+40*x^4-160*x^3-67*x^2+59*x+7)/$   
 $(64*x^6-192*x^4+91*x^2-1)$  ogf]  
A223348 3.98744 [  $-4*(4*x-1)*(32*x^4+16*x^3-52*x^2-16*x+15)/$   
 $(128*x^6-32*x^5-208*x^4+52*x^3+66*x^2-23*x+1)$  ogf]  
A223354 4.82104 [  $\{a(n+2)-480*a(n+1)+18432*a(n), a(0) = 256, a(1) = 110592\}$ , ogf]  
A223354 8.03507 [  $-256*(48*x-1)/(18432*x^2-480*x+1)$  ogf]

A223358 4.38250 [ $\{-a(n+4)+40*a(n+3)-128*a(n+2), a(0) = 36, a(1) = 1024, a(2) = 36864, a(3) = 1327104\}$ , ogf]  
A223358 7.86448 [ $-4*(4096*x^3-128*x^2+104*x-9)/(128*x^2-40*x+1)$  ogf]  
A223359 3.13613 [ $-8*(3623878656*x^6-377487360*x^5+6291456*x^4-761856*x^3+29952*x^2-1840*x+27)/(24576*x^3-3840*x^2+144*x-1)$  ogf]  
A223363 5.35416 [ $\{a(n+3)-6*a(n+2)+4*a(n+1)+8*a(n), a(0) = 21, a(1) = 90, a(2) = 420\}$ , ogf]  
A223363 9.70441 [ $-3*(12*x^2+12*x-7)/(2*x-1)/(4*x^2+4*x-1)$  ogf]  
A223372 12.7468 [ $(4*x^2-24*x-9)/(8*x^2-1)$  ogf]  
A223372 7.41091 [ $\{-a(n+3)+8*a(n+1), a(0) = 9, a(1) = 24, a(2) = 68\}$ , ogf]  
A223372 7.77241 [ $-(192*x^2+136*x+24)/(-32*x^4+192*x^3+76*x^2-24*x-9)$  lgdogf]  
A223373 12.2163 [ $-24*(x-1)/(4*x^2-7*x+1)$  ogf]  
A223373 6.75489 [ $\{a(n+2)-7*a(n+1)+4*a(n), a(0) = 24, a(1) = 144\}$ , ogf]  
A223373 8.83332 [ $-(-4*x^2+8*x-6)/(-4*x^3+11*x^2-8*x+1)$  lgdogf]  
A223374 4.39557 [ $4*(144*x^6-3168*x^5-1290*x^4+2200*x^3+449*x^2-228*x-17)/(1872*x^6-1718*x^4+221*x^2-1)$  ogf]  
A223381 10.4851 [ $(5*x-2)*(x-1)/(10*x^2-8*x+1)$  ogf]  
A223381 5.44416 [ $\{a(n+3)-8*a(n+2)+10*a(n+1), a(0) = 2, a(1) = 9, a(2) = 57\}$ , ogf]  
A223381 7.16700 [ $-(-30*x^2+30*x-9)/(50*x^4-110*x^3+81*x^2-23*x+2)$  lgdogf]  
A223382 5.97438 [ $(x-1)*(22*x^3+21*x^2-33*x+5)/(44*x^4+34*x^3-72*x^2+19*x-1)$  ogf]  
A223395 11.1501 [ $-8*(3*x^2-2)/(x-1)/(4*x^2+2*x-1)$  ogf]  
A223395 5.67117 [ $\{a(n+3)-3*a(n+2)-2*a(n+1)+4*a(n), a(0) = 16, a(1) = 48, a(2) = 152\}$ , ogf]  
A223395 7.15061 [ $-(-12*x^4+15*x^2-2*x-6)/(-12*x^5+6*x^4+17*x^3-7*x^2-6*x+2)$  lgdogf]  
A223396 7.39615 [ $-8*(x+2)*(2*x^2-11*x+3)/(2*x^4-9*x^3-18*x^2+10*x-1)$  ogf]  
A223408 6.53835 [ $-2*(8*x^5+6*x^4-20*x^3-12*x^2+12*x+5)/(x-1)/(x+1)/(2*x^2+2*x-1)/(2*x^2-2*x-1)$  ogf]  
A223409 5.98285 [ $-4*(10*x^4+32*x^3-21*x+6)/(10*x^5+26*x^4-10*x^3-17*x^2+9*x-1)$  ogf]  
A223417 13.8769 [ $(2*x^2-12*x-7)/(2*x-1)/(2*x+1)$  ogf]  
A223417 8.06797 [ $\{-a(n+3)+4*a(n+1), a(0) = 7, a(1) = 12, a(2) = 26\}$ , ogf]  
A223417 8.89545 [ $-(48*x^2+52*x+12)/(-8*x^4+48*x^3+30*x^2-12*x-7)$  lgdogf]  
A223418 5.43150 [ $-2*(64*x^5+24*x^4-224*x^3-60*x^2+68*x+13)/(32*x^6-120*x^4+38*x^2-1)$  ogf]  
A223419 4.34121 [ $-16*(8*x^5-4*x^4-26*x^3+3*x^2+13*x-3)/(32*x^6-32*x^5-88*x^4+40*x^3+36*x^2-14*x+1)$  ogf]  
A223425 6.23292 [ $(35*x^6-252*x^5-143*x^4+204*x^3+90*x^2-40*x-15)/(7*x^3+7*x^2-1)/(7*x^3-7*x^2+1)$  ogf]  
A223434 4.63749 [ $\{a(n+3)-8*a(n+2)+11*a(n+1)+16*a(n), a(0) = 48, a(1) = 256, a(2) = 1376\}$ , ogf]  
A223434 8.18381 [ $-16*(9*x^2+8*x-3)/(16*x^3+11*x^2-8*x+1)$  ogf]  
A223442 10.1898 [ $-(2*x+3)*(12*x^2-6*x-5)/(4*x^4-6*x^2+1)$  ogf]  
A223443 11.6897 [ $4*(2*x^2-16*x+7)/(4*x-1)/(2*x-1)$  ogf]  
A223443 6.00875 [ $\{a(n+3)-6*a(n+2)+8*a(n+1), a(0) = 28, a(1) = 104, a(2) = 408\}$ , ogf]  
A223443 7.74622 [ $-(-116*x^2+108*x-26)/(16*x^4-140*x^3+154*x^2-58*x+7)$  lgdogf]  
A223468 7.27771 [ $-(4*x^4+6*x^3+2*x^2+4*x+1)/(2*x-1)/(2*x^2-1)^2$  ogf]  
A223477 10.3493 [ $-27*(28*x-3)/(300*x^2-51*x+1)$  ogf]  
A223477 5.93047 [ $\{a(n+2)-51*a(n+1)+300*a(n), a(0) = 81, a(1) = 3375\}$ , ogf]  
A223477 6.59765 [ $-(-8400*x^2+1800*x-125)/(-8400*x^3+2328*x^2-181*x+3)$  lgdogf]  
A223478 3.26962 [ $\{a(n+3)-101*a(n+2)+1900*a(n+1)-10000*a(n), a(0) = 243, a(1) = 16875, a(2) = 1296675\}$ , ogf]  
A223478 5.50454 [ $-27*(2000*x^2-284*x+9)/(10000*x^3-1900*x^2+101*x-1)$  ogf]  
A223481 4.62459 [ $\{-a(n+4)+9*a(n+3)-2*a(n+2), a(0) = 400, a(1) = 243, a(2) = 2025, a(3) = 16875\}$ , ogf]  
A223481 8.25820 [ $-(864*x^3-638*x^2+3357*x-400)/(2*x^2-9*x+1)$  ogf]  
A223482 3.59111 [ $-$

(691200\*x^6-701568\*x^5-505088\*x^4+548492\*x^3+121196\*x^2-133813\*x+8000)/(2\*x+1)/  
(32\*x^3-54\*x^2+19\*x-1) ogf]  
A223499 4.08957 [ {-a(n+3)+15\*a(n+2)-24\*a(n+1)+10\*a(n), a(0) = 9, a(1) = 115,  
a(2) = 1519}, ogf]  
A223499 7.43558 [ -(10\*x^2-20\*x+9)/(x-1)/(10\*x^2-14\*x+1) ogf]  
A223505 4.11093 [ {a(n+4)-5\*a(n+3)-4\*a(n+2)+4\*a(n+1), a(0) = 6, a(1) = 19, a(2) =  
115, a(3) = 631}, ogf]  
A223505 8.04567 [ (2\*x+3)\*(x-2)\*(2\*x-1)/(4\*x^3-4\*x^2-5\*x+1) ogf]  
A223506 3.47297 [ (68\*x^7-272\*x^6-397\*x^5+1774\*x^4-1207\*x^3-211\*x^2+311\*x-36)/  
(4\*x^7-16\*x^6-23\*x^5+103\*x^4-73\*x^3-4\*x^2+12\*x-1) ogf]  
A223552 10.2869 [ -9\*(2\*x-3)/(16\*x^2-41\*x+1) ogf]  
A223552 5.72795 [ {a(n+2)-41\*a(n+1)+16\*a(n), a(0) = 27, a(1) = 1089}, ogf]  
A223552 6.90493 [ -(-32\*x^2+96\*x-121)/(-32\*x^3+130\*x^2-125\*x+3) lgdogf]  
A223553 2.77725 [ {-a(n+4)+95\*a(n+3)-626\*a(n+2)+720\*a(n+1), a(0) = 81, a(1) =  
6939, a(2) = 609309, a(3) = 53599905}, ogf]  
A223553 5.18195 [ -9\*(116\*x^3+90\*x^2-84\*x+9)/(720\*x^3-626\*x^2+95\*x-1) ogf]  
A223557 11.0398 [ 3\*(2\*x-1)\*(x-2)/(4\*x^2-7\*x+1) ogf]  
A223557 5.67762 [ {a(n+3)-7\*a(n+2)+4\*a(n+1), a(0) = 6, a(1) = 27, a(2) = 171},  
ogf]  
A223557 7.84408 [ -(6\*x^2-12\*x+9)/(-8\*x^4+34\*x^3-45\*x^2+19\*x-2) lgdogf]  
A223558 4.68034 [ -9\*(18\*x^5-80\*x^4+119\*x^3-90\*x^2+41\*x-4)/(x-1)/  
(10\*x^3-31\*x^2+16\*x-1) ogf]  
A223564 15.4384 [ -8\*(x+1)/(7\*x-1) ogf]  
A223564 15.8672 [ -8/(7\*x^2+6\*x-1) lgdogf]  
A223564 7.82495 [ {a(n+2)-7\*a(n+1), a(0) = 8, a(1) = 64}, ogf]  
A223565 10.8795 [ -16\*(20\*x^2+5\*x+1)/(11\*x-1) ogf]  
A223565 5.97776 [ {-a(n+3)+11\*a(n+2), a(0) = 16, a(1) = 256, a(2) = 3136}, ogf]  
A223565 7.66163 [ -(220\*x^2-40\*x-16)/(-220\*x^3-35\*x^2-6\*x+1) lgdogf]  
A223566 4.45597 [ {a(n+4)-16\*a(n+3), a(0) = 32, a(1) = 1024, a(2) = 21952, a(3) =  
379456}, ogf]  
A223566 7.65870 [ -32\*(882\*x^3+174\*x^2+16\*x+1)/(16\*x-1) ogf]  
A223567 4.23779 [ {-a(n+5)+22\*a(n+4), a(0) = 64, a(1) = 4096, a(2) = 153664, a(3)  
= 4174016, a(4) = 97140736}, ogf]  
A223567 6.85370 [ -64\*(83006\*x^4+12397\*x^3+993\*x^2+42\*x+1)/(22\*x-1) ogf]  
A223568 5.10218 [ -64\*(30356480\*x^5+3480323\*x^4+230006\*x^3+9383\*x^2+198\*x+2)/  
(29\*x-1) ogf]  
A223571 12.4174 [ -27\*(5\*x+1)/(22\*x-1) ogf]  
A223571 12.7278 [ -27/(110\*x^2+17\*x-1) lgdogf]  
A223571 6.69886 [ {a(n+2)-22\*a(n+1), a(0) = 27, a(1) = 729}, ogf]  
A223572 10.0186 [ -81\*(630\*x^2+35\*x+1)/(46\*x-1) ogf]  
A223572 5.75539 [ {-a(n+3)+46\*a(n+2), a(0) = 81, a(1) = 6561, a(2) = 352836},  
ogf]  
A223572 6.84819 [ -(28980\*x^2-1260\*x-81)/(-28980\*x^3-980\*x^2-11\*x+1) lgdogf]  
A223573 3.88666 [ {a(n+4)-86\*a(n+3), a(0) = 243, a(1) = 59049, a(2) = 7762392,  
a(3) = 746600976}, ogf]  
A223573 6.22930 [ -243\*(325248\*x^3+11046\*x^2+157\*x+1)/(86\*x-1) ogf]  
A223574 2.95252 [ {-a(n+5)+148\*a(n+4), a(0) = 729, a(1) = 531441, a(2) =  
170772624, a(3) = 34343644896, a(4) = 5521860818496}, ogf]  
A223574 4.47443 [ -729\*(602196672\*x^4+12440736\*x^3+126364\*x^2+581\*x+1)/(148\*x-1)  
ogf]  
A223577 7.90245 [ (x^17-x^16+x^5+2\*x^4+x^3+x^2+x+1)/(x^2+x+1)/(x-1)^2 ogf]  
A223578 7.58173 [ (2\*x^17-2\*x^16+2\*x^5+4\*x^4+x^3+x^2+x+2)/(x^2+x+1)/(x-1)^2 ogf]  
A223580 13.2597 [ -64\*(1+14\*x)/(50\*x-1) ogf]  
A223580 13.5912 [ -64/(700\*x^2+36\*x-1) lgdogf]  
A223580 7.06034 [ {a(n+2)-50\*a(n+1), a(0) = 64, a(1) = 4096}, ogf]  
A223581 4.02072 [ {-a(n+3)+130\*a(n+2), a(0) = 256, a(1) = 65536, a(2) =  
10240000}, ogf]  
A223581 6.74663 [ -256\*(6720\*x^2+126\*x+1)/(130\*x-1) ogf]  
A223582 3.76813 [ {a(n+4)-296\*a(n+3), a(0) = 1024, a(1) = 1048576, a(2) =  
512000000, a(3) = 173056000000}, ogf]  
A223582 5.86153 [ -1024\*(21000000\*x^3+196896\*x^2+728\*x+1)/(296\*x-1) ogf]



A223594 3.28148 [  $-16*(192*x^6-64*x^5-458*x^4+167*x^3+227*x^2-113*x+9)/(192*x^7-104*x^6-456*x^5+258*x^4+217*x^3-153*x^2+23*x-1)$  ogf]  
A223600 5.05212 [  $16*(456*x^5-40*x^4-481*x^3+50*x^2+80*x-16)/(2*x+1)/(24*x^4-16*x^3-13*x^2+8*x-1)$  ogf]  
A223615 5.68638 [  $-(x^6-6*x^5+20*x^4-20*x^3+44*x^2+7)/(x-1)^7$  ogf]  
A223616 3.75536 [  $-(x^8-8*x^7+35*x^6-56*x^5+158*x^4+14*x^3+183*x^2+22*x+11)/(x-1)^9$  ogf]  
A223617 5.32778 [  $-(x^{10}-10*x^9+54*x^8-120*x^7+413*x^6+14*x^5+1146*x^4+632*x^3+646*x^2+80*x+16)/(x-1)^{11}$  ogf]  
A223632 5.65981 [  $-(x^6-6*x^5+29*x^4-18*x^3+33*x^2+7)/(x-1)^7$  ogf]  
A223633 3.36898 [  $-(x^{10}-11*x^9+9*x^8+18*x^7+92*x^6-74*x^5+249*x^4-65*x^3+108*x^2+22*x+11)/(x-1)^9$  ogf]  
A223639 5.58957 [  $-(3*x^6-10*x^5+40*x^4-16*x^3+22*x^2+7)/(x-1)^7$  ogf]  
A223659 5.56794 [  $-(x^2-2*x+2)*(x^4-4*x^3+6*x^2-4*x+2)/(x-1)^7$  ogf]  
A223670 5.11386 [  $(2*x^7-5*x^6+16*x^5-63*x^4+32*x^3-12*x^2-8*x-8)/(x-1)^7$  ogf]  
A223681 5.56560 [  $-(x^6-4*x^5+27*x^4-30*x^3+36*x^2+8*x+8)/(x-1)^7$  ogf]  
A223682 3.49763 [  $-(9*x^8-36*x^7+216*x^6-442*x^5+775*x^4-594*x^3+304*x^2+112*x+16)/(x-1)^9$  ogf]  
A223687 5.56654 [  $\{a(n+2)-24*a(n+1)+127*a(n), a(0) = 144, a(1) = 2304\}$ , ogf]  
A223687 6.59196 [  $-(-1016*x^2+254*x-16)/(-1016*x^3+319*x^2-32*x+1)$  lgdogf]  
A223687 9.45262 [  $-144*(8*x-1)/(127*x^2-24*x+1)$  ogf]  
A223688 4.92287 [  $-144*(1856*x^3-760*x^2+91*x-3)/(16900*x^4-7621*x^3+1103*x^2-59*x+1)$  ogf]  
A223693 3.93946 [  $\{-a(n+4)+8*a(n+3)-11*a(n+2)-16*a(n+1), a(0) = 256, a(1) = 432, a(2) = 2304, a(3) = 12384\}$ , ogf]  
A223693 6.96611 [  $16*(175*x^3+104*x^2-101*x+16)/(16*x^3+11*x^2-8*x+1)$  ogf]  
A223711 7.10196 [  $-(2*x^2-3*x+2)^2/(2*x-1)^2/(x-1)^3$  ogf]  
A223711 8.47101 [  $-(4*x^3-8*x^2+15*x-8)/(4*x^4-12*x^3+15*x^2-9*x+2)$  lgdogf]  
A223718 7.78764 [  $-(-x^4+4*x^3-9*x^2+10*x-9)/(-x^5+5*x^4-11*x^3+13*x^2-9*x+3)$  lgdogf]  
A223718 8.11554 [  $-(x^2-x+1)*(x^2-3*x+3)/(x-1)^5$  ogf]  
A223719 4.16420 [  $-(x^8-8*x^7+31*x^6-68*x^5+106*x^4-80*x^3+79*x^2+9)/(x-1)^9$  ogf]  
A223764 12.1618 [  $-(-x^2+2*x-6)/(-x^3+3*x^2-4*x+2)$  lgdogf]  
A223764 3.89177 [  $\{(2*n+8)*a(n+4)+(-18-4*n)*a(n+3)+(8+3*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 4, a(1) = 12, a(2) = 28, a(3) = 56\}$ , ogf]  
A223764 8.19320 [  $-(x^2-2*x+2)^2/(x-1)^5$  ogf]  
A223765 4.88989 [  $-(4*x^8-17*x^7+26*x^6-9*x^5-12*x^4+x^3+22*x^2-21*x+7)/(x-1)^7$  ogf]  
A223772 5.54142 [  $-(2*x^6-7*x^5+14*x^4-23*x^3+29*x^2-21*x+7)/(x-1)^7$  ogf]  
A223773 4.06356 [  $-(2*x^9-5*x^8-6*x^7+34*x^6-50*x^5+53*x^4-67*x^3+72*x^2-43*x+11)/(x-1)^9$  ogf]  
A223833 10.5334 [  $(x^3+2*x^2-6*x+7)/(x-1)^4$  ogf]  
A223833 3.93725 [  $\{(-1747*n^2-10457*n-13926)*a(n+1)+(2534*n^2+6150*n-14688)*a(n+2)+(-787*n^2+1427*n+11364)*a(n+3), a(0) = 7, a(1) = 22, a(2) = 48\}$ , ogf]  
A223833 9.77198 [  $-(x^3+7*x^2-14*x+22)/(x^4+x^3-8*x^2+13*x-7)$  lgdogf]  
A223834 7.33933 [  $(2*x^5-x^4-9*x^3+2*x^2+9*x-11)/(x-1)^5$  ogf]  
A223835 5.67854 [  $(2*x^7+2*x^6-18*x^5+9*x^4+36*x^3-21*x^2-10*x+16)/(x-1)^6$  ogf]  
A223836 4.49973 [  $(2*x^9+4*x^8-22*x^7-10*x^6+77*x^5-35*x^4-103*x^3+71*x^2+6*x-22)/(x-1)^7$  ogf]  
A223837 3.39777 [  $(2*x^{11}+6*x^{10}-26*x^9-27*x^8+111*x^7+45*x^6-256*x^5+109*x^4+238*x^3-174*x^2+7*x+29)/(x-1)^8$  ogf]  
A223839 5.48840 [  $-(x^2-2*x+2)*(2*x^4-4*x^3+5*x^2-4*x+2)/(x-1)^7$  ogf]  
A223840 3.74451 [  $-(x^{10}-4*x^9+4*x^8-4*x^7+28*x^6-70*x^5+89*x^4-72*x^3+44*x^2-20*x+5)/(x-1)^9$  ogf]  
A223851 9.03999 [  $2*(38*x^2-12*x+1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A223852 6.66695 [  $-2*(810*x^3-361*x^2+56*x-3)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]

A223859 3.31965 [  $(2*x^9-18*x^8+66*x^7-117*x^6+165*x^5-59*x^4+139*x^3+294*x^2+184*x+50)/(x-1)^{10}$  ogf ]  
A223882 3.31183 [ -  $(144*x^8-672*x^7+1480*x^6-1936*x^5+1617*x^4-890*x^3+321*x^2-72*x+9)/(3*x-1)^2/(x-1)^3/(2*x-1)^4$  ogf ]  
A223906 10.4221 [  $-(144*x^2-102*x+17)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf ]  
A223906 6.00597 [  $\{-a(n+3)+9*a(n+2)-26*a(n+1)+24*a(n), a(0) = 17, a(1) = 51, a(2) = 161\}$ , ogf ]  
A223907 8.07729 [  $-2*(1440*x^3-1346*x^2+396*x-37)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf ]  
A223908 5.75922 [  $-2*(43200*x^4-48390*x^3+19239*x^2-3244*x+197)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf ]  
A223913 5.42366 [  $(x^6-5*x^5+3*x^4+3*x^3-22*x^2-4*x-22)/(x-1)^7$  ogf ]  
A223914 3.38199 [  $(6*x^9-47*x^8+153*x^7-241*x^6+157*x^5-35*x^4-188*x^3-35*x^2-134*x-46)/(x-1)^9$  ogf ]  
A223919 3.83885 [  $-(x^8-8*x^7+29*x^6-62*x^5+88*x^4-82*x^3+50*x^2-18*x+6)/(x-1)^9$  ogf ]  
A223925 5.47896 [  $-(4*x^5-4*x^4-8*x^3-3*x^2+4*x+1)/(2*x-1)/(2*x+1)/(x+1)^2/(x-1)^2$  ogf ]  
A223927 3.85834 [  $-(x^8-8*x^7+29*x^6-59*x^5+79*x^4-76*x^3+56*x^2-27*x+9)/(x-1)^9$  ogf ]  
A223944 7.17739 [  $-(8*x^4+3*x^3+2*x^2-4)/(8*x^5-5*x^4+x^3+2*x^2-4*x+1)$  ogf ]  
A223945 3.43495 [  $-(8*x^9+16*x^8+45*x^7-19*x^6-33*x^5-48*x^4-24*x^3-4*x^2+5)/(8*x^{10}+8*x^9+29*x^8-61*x^7-4*x^6-2*x^5+7*x^4-2*x^3-5*x^2+5*x-1)$  ogf ]  
A223950 8.62845 [  $-(-2*x^3+18*x^2-27*x+27)/(-3*x^5+13*x^4-16*x^3+x^2+13*x-8)$  lgdogf ]  
A223950 9.43109 [  $-(3*x^4-10*x^3+6*x^2+5*x-8)/(x-1)^4$  ogf ]  
A223951 6.58009 [  $-(13*x^6-33*x^5-7*x^4+86*x^3-68*x^2+x+16)/(x-1)^5$  ogf ]  
A223952 5.15026 [ -  $(37*x^8-68*x^7-132*x^6+348*x^5-9*x^4-491*x^3+382*x^2-51*x-32)/(x-1)^6$  ogf ]  
A223953 3.93436 [ -  $(93*x^{10}-148*x^9-426*x^8+767*x^7+787*x^6-1862*x^5-335*x^4+2546*x^3-1735*x^2+281*x+64)/(x-1)^7$  ogf ]  
A223962 5.05104 [  $-(x^6-7*x^5+21*x^4-35*x^3+36*x^2-27*x+16)/(x-1)^7$  ogf ]  
A223970 4.04006 [  $-(45*x^6-141*x^5+27*x^4+236*x^3-187*x^2+22)/(3*x-1)/(x-1)/(15*x^5-17*x^4-51*x^3+32*x^2+18*x-1)$  ogf ]  
A223982 3.30330 [ -  $(x^9-10*x^8+45*x^7-120*x^6+210*x^5-259*x^4+100*x^3-439*x^2-184*x-50)/(x-1)^{10}$  ogf ]  
A224000 7.59615 [  $-(-x^4+6*x^3-18*x^2+34*x-31)/(-x^5+6*x^4-16*x^3+25*x^2-23*x+9)$  lgdogf ]  
A224000 7.98770 [  $-(x^4-5*x^3+11*x^2-14*x+9)/(x-1)^5$  ogf ]  
A224001 4.43923 [  $(x^8-9*x^7+32*x^6-85*x^5+159*x^4-164*x^3+56*x^2+32*x-27)/(x-1)^7$  ogf ]  
A224007 6.40492 [  $-2*(6*x^4-x^3+14*x^2+5)/(12*x^5-14*x^4+30*x^3-16*x^2+10*x-1)$  ogf ]  
A224008 3.76441 [  $-(240*x^6+460*x^5+157*x^4+101*x^3+156*x^2+15)/(240*x^7+220*x^6-183*x^5+20*x^4+105*x^3-58*x^2+15*x-1)$  ogf ]  
A224013 4.87915 [  $-(6*x^7-43*x^6+129*x^5-199*x^4+176*x^3-77*x^2+27*x+27)/(x-1)^7$  ogf ]  
A224019 3.82696 [  $-4*(36*x^6-13*x^5+85*x^4-11*x^3+49*x^2+5)/(144*x^7-196*x^6+392*x^5-276*x^4+228*x^3-70*x^2+20*x-1)$  ogf ]  
A224033 8.80110 [  $-(x-1)*(2*x^3+2*x^2-x-4)/(2*x^5-x^3-3*x^2+4*x-1)$  ogf ]  
A224034 5.55738 [  $-(2*x^6+5*x^4-3*x^3-7*x^2-6*x+5)/(4*x^7-2*x^6+2*x^5+2*x^4-x^3-6*x^2+5*x-1)$  ogf ]  
A224035 4.06803 [  $(4*x^9+14*x^7-3*x^6-18*x^5-10*x^4+4*x^3+11*x^2+10*x-6)/(2*x-1)/(4*x^8+2*x^6-x^5+3*x^3+2*x^2-4*x+1)$  ogf ]  
A224039 9.24047 [  $-(x^4-4*x^3-x^2+11*x-8)/(x-1)^4$  ogf ]  
A224039 9.34918 [  $-(-14*x^2+31*x-21)/(x^5-5*x^4+3*x^3+12*x^2-19*x+8)$  lgdogf ]

A224040 6.65812 [  $-(3*x^6-8*x^5-8*x^4+33*x^3-10*x^2-25*x+16)/(x-1)^5$  ogf]  
A224041 5.26407 [  $-(7*x^8-17*x^7-9*x^6+12*x^5+124*x^4-220*x^3+86*x^2+48*x-32)/(x-1)^6$  ogf]  
A224042 4.10546 [ -  
 $(15*x^{10}-45*x^9+33*x^8-72*x^7+216*x^6+97*x^5-952*x^4+1163*x^3-447*x^2-71*x+64)/(x-1)^7$  ogf]  
A224080 12.4034 [  $-I*(x^2-1)^{(1/2)}*\ln(x+1)$  revegef]  
A224128 11.5413 [  $-2*(x^2+2)/(2*x^3-2*x^2+4*x-1)$  ogf]  
A224128 5.77067 [  $\{a(n+3)-4*a(n+2)+2*a(n+1)-2*a(n), a(0) = 4, a(1) = 16, a(2) = 58\}$ , ogf]  
A224128 7.47564 [  $-(-2*x^4-8*x^2+6*x-8)/(-2*x^5+2*x^4-8*x^3+5*x^2-8*x+2)$  lgdogf]  
A224129 8.84810 [  $-(4*x^3+6*x^2+5)/(4*x^4+2*x^3-5*x^2+5*x-1)$  ogf]  
A224130 6.79349 [  $-(8*x^4+10*x^3+13*x^2+6)/(8*x^5+2*x^4+4*x^3-9*x^2+6*x-1)$  ogf]  
A224131 5.64566 [  $-(16*x^5+20*x^4+19*x^3+24*x^2+7)/(16*x^6+4*x^5+9*x^3-14*x^2+7*x-1)$  ogf]  
A224132 4.62578 [  $-(32*x^6+40*x^5+41*x^4+32*x^3+40*x^2+8)/(32*x^7+8*x^6+2*x^5-4*x^4+18*x^3-20*x^2+8*x-1)$  ogf]  
A224134 9.58602 [  $-(x^4-4*x^3+2*x^2+5*x-8)/(x-1)^4$  ogf]  
A224134 9.81701 [  $-(8*x^2-19*x+27)/(-x^5+5*x^4-6*x^3-3*x^2+13*x-8)$  lgdogf]  
A224135 6.67276 [  $-(6*x^6-22*x^5+15*x^4+29*x^3-37*x^2+x+16)/(x-1)^5$  ogf]  
A224136 5.00090 [ -  
 $(21*x^8-63*x^7-18*x^6+228*x^5-179*x^4-152*x^3+230*x^2-51*x-32)/(x-1)^6$  ogf]  
A224137 3.87695 [ -  
 $(60*x^{10}-154*x^9-172*x^8+696*x^7+160*x^6-1840*x^5+1387*x^4+617*x^3-1067*x^2+281*x+64)/(x-1)^7$  ogf]  
A224141 11.7547 [  $(3*x^2-6*x+7)/(x-1)^4$  ogf]  
A224141 12.1056 [  $-(-6*x^2+12*x-22)/(-3*x^3+9*x^2-13*x+7)$  lgdogf]  
A224141 3.99544 [  $\{(-7*n-28)*a(n+4)+(61+13*n)*a(n+3)+(-30-9*n)*a(n+2)+(9+3*n)*a(n+1), a(0) = 7, a(1) = 22, a(2) = 49, a(3) = 92\}$ , ogf]  
A224142 7.33933 [  $(x^5-x^4-2*x^3-4*x^2+9*x-11)/(x-1)^5$  ogf]  
A224143 5.77454 [  $(x^7+x^6-10*x^5+8*x^4+11*x^3-x^2-10*x+16)/(x-1)^6$  ogf]  
A224144 4.59911 [  $(x^9+2*x^8-11*x^7-8*x^6+53*x^5-40*x^4-33*x^3+20*x^2+6*x-22)/(x-1)^7$  ogf]  
A224145 3.52016 [   
 $(x^{11}+3*x^{10}-12*x^9-21*x^8+71*x^7+28*x^6-199*x^5+152*x^4+68*x^3-63*x^2+7*x+29)/(x-1)^8$  ogf]  
A224147 5.51491 [  $-(x^6-6*x^5+16*x^4-23*x^3+21*x^2-12*x+4)/(x-1)^7$  ogf]  
A224148 4.19710 [  $-(x^8-8*x^7+29*x^6-62*x^5+85*x^4-76*x^3+47*x^2-20*x+5)/(x-1)^9$  ogf]  
A224153 5.56159 [  $-(2*x^8-10*x^4+12*x^3+9*x^2-7)/(2*x^9+2*x^6-14*x^5+4*x^4+x^3+2*x^2-4*x+1)$  ogf]  
A224159 4.88989 [  $-(6*x^8-27*x^7+41*x^6-5*x^5-47*x^4+40*x^3+5*x^2-20*x+8)/(x-1)^7$  ogf]  
A224168 3.27152 [   
 $(3*x^9-22*x^8+107*x^7-228*x^6+412*x^5-327*x^4+378*x^3+149*x^2+184*x+50)/(x-1)^{10}$  ogf]  
A224185 5.34211 [  $-(x^6-7*x^5+21*x^4-35*x^3+40*x^2+4*x+22)/(x-1)^7$  ogf]  
A224186 3.65022 [  $-(x^8-9*x^7+36*x^6-84*x^5+127*x^4-91*x^3+250*x^2+134*x+46)/(x-1)^9$  ogf]  
A224216 9.80345 [  $-(x^4+2*x^3-2*x-1)/(-x^6-x^4-x^2-1)$  ogf\_with\_Euler\_transform]  
A224225 12.9576 [  $-(-4*x^8+2*x^7-2*x^4+2*x^3-4*x^2-2)/(x^9+x^6+x^3+1)$  ogf\_with\_Euler\_transform]  
A224227 15.1368 [  $-x^3*(x^2-x+1)/(x^2+x-1)^3$  ogf]  
A224227 16.1879 [  $-(4*x^3-4*x^2+6*x+2)/(x^4-x^2+2*x-1)$  lgdogf]  
A224227 5.71338 [  $\{(-n^3-6*n^2-12*n-8)*a(n+1)+(-n^3-4*n^2-4*n+1)*a(n+2)+(n^3+2*n^2+n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A224232 14.5226 [  $-(x^4-4*x^2-1)/(2*x^6+3*x^5+5*x^4-3*x+1)$  lgdogf]  
A224232 15.9959 [  $(x^3+x^2+x-1)/(2*x^3+x^2+2*x-1)$  ogf]  
A224232 8.36152 [  $\{-a(n+4)+2*a(n+3)+a(n+2)+2*a(n+1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6\}$ , ogf]  
A224251 10.1666 [  $-(15*x^4-5*x^3-5*x^2-5*x-8)/(x-1)/(5*x^4-1)$  ogf]

A224257 5.34211 [  $(x^6-13x^5+25x^4-29x^3-4x^2-4x-22)/(x-1)^7$  ogf]  
A224258 3.19410 [  $(2x^{10}-12x^9+61x^8-255x^7+534x^6-416x^5+29x^4+467x^3-180x^2+134x+46)/(x-1)^9$  ogf]  
A224274 5.07814 [  $\{(-256n^3-1920n^2-4784n-3960)a(n+1)+(27n^3+216n^2+573n+504)a(n+2), a(0) = 1, a(1) = 7\}$ , ogf]  
A224274 8.50036 [  $-(27x^4+27x^3+9x^2+x)/(-256x^4-256x^3-96x^2-16x-1)$  revogf]  
A224288 6.96188 [  $-x^4(2x^5+6x^4-6x^3+6x^2-4x+1)/(2x-1)^5$  ogf]  
A224288 7.70538 [  $-(22x^4+18x^2-20x+6)/(4x^6+10x^5-18x^4+18x^3-14x^2+6x-1)$  lgdogf]  
A224289 10.1193 [  $-(-2x^3+37x^2-28x+8)/(-2x^4+21x^3-26x^2+12x-2)$  lgdogf]  
A224289 4.41098 [  $\{(-578n^2+648n-70)a(n+1)+(519n^2-1503n-560)a(n+2)+(-115n^2+501n)a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$ , ogf]  
A224289 9.66451 [  $-x^3(x^3-10x^2+8x-2)/(2x-1)^4$  ogf]  
A224290 4.48439 [  $-x^5(4x^8-8x^7+24x^6-36x^5+62x^4-60x^3+30x^2-8x+1)/(2x-1)^7$  ogf]  
A224292 11.1152 [  $(x+3)/x/(x^2-6x+1)^{1/2}-3/x$  lgdogf]  
A224292 22.8437 [  $1/x/(x^2-6x+1)^{1/2}(x+3)-3/x$  lgdogf]  
A224292 3.30871 [  $\{(14n^3+61n^2+66n)a(n+1)+(-84n^3-492n^2-1014n-720)a(n+2)+(14n^3+103n^2+114n)a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A224317 12.5906 [  $-(x^3+3x+1)/(x-1)/(x^2+x+1)$  ogf]  
A224317 6.49412 [  $\{a(n+4)-a(n+1), a(0) = 1, a(1) = 3, a(2) = 0, a(3) = 2\}$ , ogf]  
A224317 9.07266 [  $-(-6x^3-6x^2-3)/(-x^6-3x^4+3x+1)$  lgdogf]  
A224327 3.60179 [  $\{(-3n^2-21n-36)a(n+1)+(4n^2+24n+32)a(n+2)+(-n^2-5n-6)a(n+3), a(0) = 1, a(1) = 10, a(2) = 51\}$ , ogf]  
A224327 7.45198 [  $-(42x^3-18x^2-18x+10)/(21x^4-34x^3+12x^2+2x-1)$  lgdogf]  
A224327 9.13130 [  $-(7x^2-2x-1)/(3x-1)^2/(x-1)^2$  ogf]  
A224328 3.50318 [  $\{(-4n^2-28n-48)a(n+1)+(5n^2+30n+40)a(n+2)+(-n^2-5n-6)a(n+3), a(0) = 1, a(1) = 14, a(2) = 93\}$ , ogf]  
A224328 7.16559 [  $-(-112x^3+48x^2+24x-14)/(-56x^4+86x^3-30x^2-x+1)$  lgdogf]  
A224328 8.52124 [  $-(14x^2-4x-1)/(4x-1)^2/(x-1)^2$  ogf]  
A224329 3.14469 [  $\{(-5n^2-35n-60)a(n+1)+(6n^2+36n+48)a(n+2)+(-n^2-5n-6)a(n+3), a(0) = 1, a(1) = 18, a(2) = 147\}$ , ogf]  
A224329 6.61848 [  $-(-230x^3+90x^2+30x-18)/(-115x^4+168x^3-54x^2+1)$  lgdogf]  
A224329 7.69174 [  $-(-23x^2-6x-1)/(5x-1)^2/(x-1)^2$  ogf]  
A224330 3.39296 [  $\{(-6n^2-42n-72)a(n+1)+(7n^2+42n+56)a(n+2)+(-n^2-5n-6)a(n+3), a(0) = 1, a(1) = 22, a(2) = 213\}$ , ogf]  
A224330 6.74863 [  $-(-408x^3+144x^2+36x-22)/(-204x^4+286x^3-84x^2+x+1)$  lgdogf]  
A224330 8.29899 [  $-(34x^2-8x-1)/(6x-1)^2/(x-1)^2$  ogf]  
A224331 3.25352 [  $\{(-7n^2-49n-84)a(n+1)+(8n^2+48n+64)a(n+2)+(-n^2-5n-6)a(n+3), a(0) = 1, a(1) = 26, a(2) = 291\}$ , ogf]  
A224331 6.40096 [  $-(-658x^3+210x^2+42x-26)/(-329x^4+446x^3-120x^2+2x+1)$  lgdogf]  
A224331 7.74853 [  $-(47x^2-10x-1)/(7x-1)^2/(x-1)^2$  ogf]  
A224332 3.39993 [  $\{(-8n^2-56n-96)a(n+1)+(9n^2+54n+72)a(n+2)+(-n^2-5n-6)a(n+3), a(0) = 1, a(1) = 30, a(2) = 381\}$ , ogf]  
A224332 6.68900 [  $-(-992x^3+288x^2+48x-30)/(-496x^4+654x^3-162x^2+3x+1)$  lgdogf]  
A224332 8.09721 [  $-(62x^2-12x-1)/(8x-1)^2/(x-1)^2$  ogf]  
A224334 12.2700 [  $-(-x^2+6x-17)/(-x^3+5x^2-11x+7)$  lgdogf]  
A224334 12.8542 [  $-3(x^2-4x+7)/(x-1)^3$  ogf]  
A224334 7.04189 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 21, a(1) = 51, a(2) = 93\}$ , ogf]  
A224335 3.76867 [  $\{(-11n^2-133n-222)a(n+1)+(274n^2+2564n+5304)a(n+2)+(-263n^2-1675n-2658)a(n+3), a(0) = 60, a(1) = 212, a(2) = 508\}$ , ogf]  
A224335 8.86746 [  $-(-x^3+7x^2-11x+53)/(-x^4+6x^3-12x^2+22x-15)$  lgdogf]  
A224335 9.42168 [  $-4(x^3-5x^2+7x-15)/(x-1)^4$  ogf]  
A224336 6.93321 [  $-(-x^4+8x^3-30x^2-56x-161)/(-x^5+7x^4-22x^3+10x^2-25x+31)$  lgdogf]

A224336 7.21054 [  $-5*(x^4-6*x^3+16*x^2+6*x+31)/(x-1)^5$  ogf]  
A224337 5.65455 [  $-6*(x^5-7*x^4+18*x^3-82*x^2-107*x-63)/(x-1)^6$  ogf]  
A224338 4.57075 [  $-7*(x^6-8*x^5+29*x^4+64*x^3+659*x^2+568*x+127)/(x-1)^7$  ogf]  
A224354 4.73667 [  $-(17*x^7-116*x^6+326*x^5-474*x^4+396*x^3-157*x^2+27*x+27)/(x-1)^7$  ogf]  
A224364 9.67345 [  $-(x^6+x^5+3*x^4+4*x^3+3*x^2+x+1)/(-x^8+2*x^4-1)$   
ogf\_with\_Euler\_transform]  
A224365 8.38760 [  $(51453*x^{14}-51786*x^{13}+135*x^5-154*x^4+7*x-10)/(x-1)$  ogf]  
A224369 5.61072 [  $-2*(x^2+x+1)*(6*x^2-12*x+11)/$   
 $(12*x^5-14*x^4+30*x^3-16*x^2+10*x-1)$  ogf]  
A224384 14.8449 [  $-2*(9*x-1)/(17*x-1)/(x-1)$  ogf]  
A224384 8.38299 [  $\{a(n+2)-18*a(n+1)+17*a(n), a(0) = 2, a(1) = 18\}$ , ogf]  
A224384 9.89658 [  $-(-153*x^2+34*x-9)/(-153*x^3+179*x^2-27*x+1)$  lgdogf]  
A224404 11.0017 [  $-(2*x^2+7)/(2*x^3-2*x^2+4*x-1)$  ogf]  
A224404 5.45303 [  $\{a(n+3)-4*a(n+2)+2*a(n+1)-2*a(n), a(0) = 7, a(1) = 28, a(2) = 100\}$ , ogf]  
A224404 6.67126 [  $-(-4*x^4-34*x^2+24*x-28)/(-4*x^5+4*x^4-22*x^3+16*x^2-28*x+7)$   
lgdogf]  
A224405 7.88612 [  $-(2*x^3+3*x^2+x+1)/(4*x^4+2*x^3-5*x^2+5*x-1)$  ogf]  
A224406 6.21723 [  $(x-1)*(7*x^3+24*x^2+21*x+16)/(8*x^5+2*x^4+4*x^3-9*x^2+6*x-1)$   
ogf]  
A224407 5.18601 [  $-(14*x^6-29*x^5-109*x^4-83*x^3+4*x^2+15*x+22)/$   
 $(16*x^6+4*x^5+9*x^3-14*x^2+7*x-1)$  ogf]  
A224408 3.86027 [  $- (168*x^7+116*x^6-288*x^5-436*x^4-236*x^3+12*x^2+35*x+29)/$   
 $(32*x^7+8*x^6+2*x^5-4*x^4+18*x^3-20*x^2+8*x-1)$  ogf]  
A224410 6.02894 [  $-(4*x^5-11*x^4+4*x^3+16*x^2-20*x+8)/(x-1)^7$  ogf]  
A224411 3.59016 [  $-$   
 $(4*x^{10}-38*x^9+155*x^8-334*x^7+368*x^6-106*x^5-196*x^4+206*x^3-38*x^2-36*x+16)/$   
 $(x-1)^9$  ogf]  
A224415 11.6853 [  $-(-10*x^2+15*x+5)/(-x^3+2*x^2+2*x-1)$  lgdogf]  
A224415 3.81796 [  $\{(-n-4)*a(n+4)+(11+2*n)*a(n+3)+(19+2*n)*a(n+2)+(-11-n)*a(n+1),$   
 $a(0) = 1, a(1) = 5, a(2) = 25, a(3) = 100\}$ , ogf]  
A224415 9.07326 [  $1/(x^2-3*x+1)^3/(x+1)^4$  ogf]  
A224419 8.44764 [  $-x*(x+1)*(x^4+23*x^3+168*x^2+23*x+1)/(x-1)/(x^6-1442*x^3+1)$   
ogf]  
A224422 9.40776 [  $-(3*x-1)*(x-1)/(x^5-15*x^4+35*x^3-28*x^2+9*x-1)$  ogf]  
A224423 5.46146 [  $-(366912*x^4-794080*x^3+610948*x^2-197564*x+24485)/(x-1)/$   
 $(4*x-1)^2/(2*x-1)^2$  ogf]  
A224424 3.28774 [  $-$   
 $(13735424*x^6-40286592*x^5+47779680*x^4-29472552*x^3+10001292*x^2-1824678*x$   
 $+147859)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A224425 7.46958 [  $-27*(24*x^3-716*x^2-2039*x-392)/(2*x-1)/(x-1)/(4*x-1)^2$  ogf]  
A224426 5.30377 [  $-6*(600*x^4+31342*x^3+295053*x^2+185109*x+11426)/(2*x-1)/$   
 $(x-1)/(4*x-1)^3$  ogf]  
A224427 7.06666 [  $(32*x^3+4448*x^2+5194*x+343)/(2*x-1)/(x-1)/(4*x-1)^2$  ogf]  
A224428 6.01939 [  $-8*(4896*x^3+15616*x^2+4874*x+129)/(2*x-1)/(x-1)/(4*x-1)^3$   
ogf]  
A224429 5.76197 [  $-3*(20912*x^4-34880*x^3+230*x^2+5745*x+28)/(x-1)/(4*x-1)^2/$   
 $(2*x-1)^2$  ogf]  
A224430 4.24199 [  $-$   
 $3*(686912*x^6-847120*x^5+1120160*x^4-674784*x^3+54380*x^2+33809*x+53)/(x-1)/$   
 $(4*x-1)^3/(2*x-1)^3$  ogf]  
A224431 5.65014 [  $-2*(288*x^4-32*x^3-1414*x^2+983*x+112)/(x-1)/(4*x-1)^2/$   
 $(2*x-1)^2$  ogf]  
A224432 3.86543 [  $- (9216*x^6-51520*x^5+33184*x^4-56932*x^3-20204*x^2+16595*x$   
 $+622)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A224433 5.64145 [  $6*(3008*x^4+22296*x^3-2540*x^2-3412*x-29)/(x-1)/(4*x-1)^2/$   
 $(2*x-1)^2$  ogf]  
A224434 3.89215 [  $3*(42496*x^6-1360960*x^5-391824*x^4+931008*x^3-153456*x^2-35176*x-119)/(x-1)/$   
 $(4*x-1)^3/(2*x-1)^3$  ogf]

A224435 5.79312 [  $-24*(9536*x^4-22060*x^3-4221*x^2+5002*x+52)/(x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A224436 4.45733 [  $-2*(3512832*x^6-4263232*x^5+13296352*x^4-7414660*x^3-165878*x^2+531059*x+1861)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A224437 5.50146 [  $-2*(4160*x^4-2112*x^3+1724*x^2-744*x+365)/(x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A224438 4.21630 [  $-(70400*x^6-422016*x^5+217776*x^4-59376*x^3-20496*x^2+9480*x+2083)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A224452 5.49098 [  $-2*(1472*x^4+736*x^3-84*x^2+36*x+99)/(x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A224453 4.16833 [  $-(9728*x^6-202880*x^5+22624*x^4+14440*x^3-12140*x^2+5454*x+477)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A224454 13.3527 [  $9*(x^2+8*x+3)/(x-1)^4$  ogf]  
A224454 14.3643 [  $-(2*x^2+26*x+20)/(x^3+7*x^2-5*x-3)$  lgdogf]  
A224454 4.60215 [  $\{(3*n+12)*a(n+4)+(-5+5*n)*a(n+3)+(-40-7*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 27, a(1) = 180, a(2) = 567, a(3) = 1296\}$ , ogf]  
A224455 11.0516 [  $-6*(16*x^2+31*x+7)/(x-1)^5$  ogf]  
A224455 12.9194 [  $-(48*x^2+156*x+66)/(16*x^3+15*x^2-24*x-7)$  lgdogf]  
A224455 4.32679 [  $\{(7*n+28)*a(n+4)+(6+24*n)*a(n+3)+(-186-15*n)*a(n+2)+(-64-16*n)*a(n+1), a(0) = 42, a(1) = 396, a(2) = 1656, a(3) = 4740\}$ , ogf]  
A224456 10.3564 [  $-9*(16*x^3-63*x^2+92*x-51)/(x-1)^4$  ogf]  
A224456 9.46556 [  $-(-16*x^3+78*x^2-150*x+112)/(-16*x^4+79*x^3-155*x^2+143*x-51)$  lgdogf]  
A224457 5.96128 [  $-3*(78*x^4-403*x^3+845*x^2-850*x+354)/(x-1)^5$  ogf]  
A224459 8.58770 [  $-(-16*x^3+66*x^2-147*x+133)/(-16*x^4+73*x^3-144*x^2+142*x-55)$  lgdogf]  
A224459 9.85995 [  $-(16*x^3-57*x^2+87*x-55)/(x-1)^4$  ogf]  
A224460 7.96985 [  $-(-25*x^4+98*x^3-255*x^2+400*x-263)/(-25*x^5+124*x^4-283*x^3+376*x^2-283*x+91)$  lgdogf]  
A224460 8.90748 [  $-(25*x^4-99*x^3+184*x^2-192*x+91)/(x-1)^5$  ogf]  
A224461 7.13269 [  $(9800*x^3+3430*x^2-14609*x-1636)/(x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A224462 3.90666 [  $-2*(32480*x^5-267848*x^4-872548*x^3+183400*x^2+91016*x+2575)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A224463 5.42537 [  $(4864*x^4+559488*x^3+244408*x^2-213214*x-11095)/(x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A224464 3.55212 [  $-(54272*x^6+32361728*x^5+55017216*x^4-51514000*x^3+21980*x^2+4207656*x+70159)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A224465 5.81453 [  $-4*(120384*x^4-177552*x^3+99736*x^2-23998*x+2085)/(x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A224466 4.35168 [  $-2*(6302848*x^6-14317312*x^5+12903624*x^4-6179084*x^3+1659682*x^2-234335*x+13590)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A224482 9.11217 [  $(15*x^7+13*x^6+12*x^5+11*x^4+6*x^3+5*x^2+3*x-2)/(3*x-1)$  ogf]  
A224483 6.19835 [  $-29*(931*x^16-1766*x^15+841*x^14+211*x^2-416*x+211)/(x-1)^3$  ogf]  
A224500 3.87843 [  $\{(4*n+12)*a(n+1)+(-8*n-27)*a(n+2)+(4*n+16)*a(n+3)-a(n+4), a(0) = 1, a(1) = 4, a(2) = 21, a(3) = 184\}$ , ogf]  
A224508 13.0987 [  $-x*(3*x+1)/(2*x+1)/(x^2+x-1)$  ogf]  
A224508 6.72634 [  $\{-a(n+3)-a(n+2)+3*a(n+1)+2*a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A224508 9.95499 [  $-(12*x^3+15*x^2+6*x+2)/(6*x^4+11*x^3-4*x-1)$  lgdogf]  
A224509 8.12694 [  $(2*x-1)*(3*x-1)*(x-1)/(x^5-15*x^4+35*x^3-28*x^2+9*x-1)$  ogf]  
A224520 11.3261 [  $x/(2*x-1)/(x-1)/(x^4+1)$  ogf]  
A224521 11.3864 [  $x/(x-1)/(2*x-1)/(x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A224535 13.7160 [  $-(-15*x+19)/(-2*x^3-9*x^2+26*x-15)$  lgdogf]  
A224535 14.9629 [  $-(2*x^2+11*x-15)/(x-1)^2$  ogf]  
A224535 7.83773 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 15, a(1) = 19, a(2) = 21\}$ , ogf]

A224541 7.17331 [  $-6*(12*x^3-40*x^2+45*x-15)/(2*x-1)^2/(3*x-1)/(x-1)^3$  ogf]  
A224544 7.77980 [  $-(11*x^4-22*x^3-4*x^2+32*x-16)/(x^2+x-1)/(x-1)^3$  ogf]  
A224545 6.89407 [  $(x^5-25*x^4+45*x^3+10*x^2-60*x+28)/(x^2+x-1)/(x-1)^3$  ogf]  
A224546 6.99302 [  $(3*x^5-47*x^4+78*x^3+21*x^2-106*x+48)/(x^2+x-1)/(x-1)^3$  ogf]  
A224547 6.64267 [  $(6*x^5-80*x^4+127*x^3+45*x^2-183*x+80)/(x^2+x-1)/(x-1)^3$  ogf]  
A224548 6.61925 [  $(10*x^5-129*x^4+198*x^3+90*x^2-310*x+132)/(x^2+x-1)/(x-1)^3$  ogf]  
A224549 6.62204 [  $(15*x^5-202*x^4+303*x^3+172*x^2-519*x+216)/(x^2+x-1)/(x-1)^3$  ogf]  
A224552 6.16189 [  $(7*x^6-39*x^5+4*x^4+57*x^3-53*x^2+80*x-50)/(x^2+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A224553 5.06878 [  $(4*x^8+6*x^7-74*x^6+70*x^5+14*x^4+33*x^3-9*x^2-116*x+70)/(x+1)/(x^3+x-1)/(x-1)^3$  ogf]  
A224554 5.34064 [  $(5*x^7+20*x^6-156*x^5+267*x^4-257*x^3+326*x^2-319*x+113)/(x^3+x-1)/(x-1)^3$  ogf]  
A224555 5.36620 [  $(4*x^7+55*x^6-283*x^5+449*x^4-450*x^3+566*x^2-514*x+172)/(x^3+x-1)/(x-1)^3$  ogf]  
A224556 5.14342 [  $(5*x^7+98*x^6-455*x^5+702*x^4-724*x^3+914*x^2-806*x+263)/(x^3+x-1)/(x-1)^3$  ogf]  
A224557 5.03693 [  $(4*x^7+184*x^6-767*x^5+1159*x^4-1237*x^3+1555*x^2-1321*x+418)/(x^3+x-1)/(x-1)^3$  ogf]  
A224558 5.05051 [  $(5*x^7+332*x^6-1299*x^5+1928*x^4-2124*x^3+2666*x^2-2184*x+669)/(x^3+x-1)/(x-1)^3$  ogf]  
A224561 4.05649 [  $(13*x^9+168*x^8-597*x^7+628*x^6-614*x^5+513*x^4+139*x^3-758*x^2+986*x-452)/(x+1)/(x^2-x+1)/(x^3+x-1)/(x-1)^2$  ogf]  
A224563 4.47556 [  $(40*x^9+167*x^8-753*x^7+387*x^6+855*x^5-1323*x^4+967*x^3+254*x^2-1108*x+512)/(x+1)/(x^4+x-1)/(x-1)^3$  ogf]  
A224564 3.80176 [  $(28*x^{10}+314*x^9-1413*x^8+2176*x^7-1880*x^6+242*x^5+2554*x^4-4057*x^3+3734*x^2-2439*x+739)/(x^2+1)/(x^4+x-1)/(x-1)^3$  ogf]  
A224565 4.45960 [  $(35*x^9+517*x^8-1569*x^7+506*x^6+2015*x^5-2891*x^4+1879*x^3+875*x^2-2359*x+990)/(x+1)/(x^4+x-1)/(x-1)^3$  ogf]  
A224567 4.32781 [  $(36*x^9+1045*x^8-2921*x^7+833*x^6+3865*x^5-5541*x^4+3529*x^3+1804*x^2-4512*x+1852)/(x+1)/(x^4+x-1)/(x-1)^3$  ogf]  
A224599 5.56360 [  $(36*x^6-115*x^5-37*x^4+185*x^3-129*x^2+188*x-122)/(x^2+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A224600 4.72256 [  $(4*x^8+18*x^7-207*x^6+179*x^5+119*x^4+58*x^3-89*x^2-262*x+178)/(x+1)/(x^3+x-1)/(x-1)^3$  ogf]  
A224601 5.07304 [  $(5*x^7+60*x^6-433*x^5+723*x^4-616*x^3+780*x^2-817*x+297)/(x^3+x-1)/(x-1)^3$  ogf]  
A224602 4.89566 [  $(4*x^7+128*x^6-688*x^5+1087*x^4-1004*x^3+1271*x^2-1215*x+416)/(x^3+x-1)/(x-1)^3$  ogf]  
A224603 4.90980 [  $(5*x^7+203*x^6-1037*x^5+1632*x^4-1582*x^3+2030*x^2-1882*x+628)/(x^3+x-1)/(x-1)^3$  ogf]  
A224604 5.01934 [  $(4*x^7+414*x^6-1851*x^5+2847*x^4-2958*x^3+3780*x^2-3286*x+1045)/(x^3+x-1)/(x-1)^3$  ogf]  
A224605 4.80759 [  $(5*x^7+796*x^6-3239*x^5+4864*x^4-5307*x^3+6735*x^2-5555*x+1694)/(x^3+x-1)/(x-1)^3$  ogf]  
A224644 3.59718 [  $-64*(324*x^7-270*x^6-27*x^5-144*x^4+111*x^3+6*x^2+12*x-8)/(3*x-1)/(x-1)/(9*x^3-1)/(3*x^3-1)$  ogf]  
A224666 11.1556 [  $-(-26*x^2+74*x-54)/(-26*x^3+89*x^2-102*x+39)$  lgdogf]  
A224666 12.3570 [  $-2*(26*x^2-63*x+39)/(x-1)^3$  ogf]  
A224666 6.86500 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 78, a(1) = 108, a(2) = 142\}$ , ogf]  
A224667 11.1452 [  $-(-35*x^2+94*x-65)/(-35*x^3+117*x^2-131*x+49)$  lgdogf]  
A224667 12.1433 [  $-4*(35*x^2-82*x+49)/(x-1)^3$  ogf]  
A224667 6.89492 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 196, a(1) = 260, a(2) =$

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332}], ogf]
A224668 10.0933 [ -(-163*x^2+416*x-271)/(-163*x^3+534*x^2-585*x+214) lgdogf]
A224668 11.7504 [ -2*(163*x^2-371*x+214)/(x-1)^3 ogf]
A224668 6.67184 [ {a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 428, a(1) = 542, a(2) =
668}, ogf]
A224669 13.9748 [ -(9*x^2-x-12)/(x-1)/(x^2+x-1) ogf]
A224669 7.32661 [ -(-9*x^4+2*x^3+18*x^2+18*x-25)/(-9*x^5+x^4+30*x^3-11*x^2-23*x
+12) lgdogf]
A224669 7.77980 [ {a(n+3)-2*a(n+2)+a(n), a(0) = 12, a(1) = 25, a(2) = 41}, ogf]
A224670 7.53372 [ -(21*x^4-44*x^3-x^2+50*x-25)/(x^2+x-1)/(x-1)^3 ogf]
A224671 7.05962 [ (x^5-41*x^4+77*x^3+9*x^2-88*x+41)/(x^2+x-1)/(x-1)^3 ogf]
A224672 6.64267 [ (3*x^5-72*x^4+125*x^3+28*x^2-157*x+70)/(x^2+x-1)/(x-1)^3 ogf]
A224673 6.64792 [ (6*x^5-118*x^4+193*x^3+68*x^2-269*x+115)/(x^2+x-1)/(x-1)^3
ogf]
A224674 6.62204 [ (10*x^5-187*x^4+292*x^3+143*x^2-456*x+189)/(x^2+x-1)/(x-1)^3
ogf]
A224675 6.37741 [ (15*x^5-291*x^4+438*x^3+277*x^2-762*x+308)/(x^2+x-1)/(x-1)^3
ogf]
A224692 12.7404 [ -(x^3-7*x^2-5*x-1)/(x-1)/(x+1)/(2*x^2-1) ogf]
A224721 3.64539 [
(4*x^10+115*x^9+1110*x^8-3203*x^7+3158*x^6-3494*x^5+2523*x^4+1090*x^3-3758*x^2+4
533*x-2052)/(x+1)/(x^2-x+1)/(x^3+x-1)/(x-1)^2 ogf]
A224723 4.02267 [
(52*x^9+815*x^8-3457*x^7+1601*x^6+4172*x^5-5445*x^4+4154*x^3+555*x^2-4920*x
+2471)/(x+1)/(x^4+x-1)/(x-1)^3 ogf]
A224725 3.95488 [
(47*x^9+2104*x^8-6522*x^7+2077*x^6+8480*x^5-11361*x^4+7644*x^3+2920*x^2-9648*x
+4257)/(x+1)/(x^4+x-1)/(x-1)^3 ogf]
A224727 3.92456 [
(48*x^9+3637*x^8-11795*x^7+4385*x^6+15216*x^5-21787*x^4+15168*x^3+5641*x^2-18640
*x+8117)/(x+1)/(x^4+x-1)/(x-1)^3 ogf]
A224738 6.85208 [ -(16*x^4-49*x^3+5*x^2+42*x-16)/(x-1)/(2*x-1)/(x+1)/(x^2-3*x+1)
ogf]
A224739 4.18622 [ -(504*x^6-1083*x^5+153*x^4+727*x^3-233*x^2-114*x+38)/(x-1)/
(4*x^2+x-1)/(3*x^2-5*x+1)/(3*x^2-1) ogf]
A224749 13.8317 [ -x/(6*x^5+6*x^4+6*x^3+6*x^2+3*x-1) ogf]
A224749 8.43735 [ -(-30*x^4-24*x^3-18*x^2-12*x-3)/(-6*x^5-6*x^4-6*x^3-6*x^2-3*x
+1) lgdogf]
A224773 5.95005 [ -
(2*x^24-2*x^23+2*x^18-2*x^17+2*x^14-2*x^13+2*x^9-2*x^8+2*x^4-2*x^3+4*x^2+x-7)/
(x-1)^2 ogf]
A224779 10.8175 [ -(x^6+2*x^4-x^3-x^2-3*x-2)/(x^2+x+1)/(x-1)^2 ogf]
A224783 10.3268 [ (4*x^5-9*x^3-x^2+2*x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1) ogf]
A224785 12.6250 [ -(x^3-8*x^2-4*x-1)/(x-1)/(x+1)/(3*x^2-1) ogf]
A224790 14.0425 [ -(75*x-11)/(9*x-1)/(x-1) ogf]
A224790 7.92987 [ {a(n+2)-10*a(n+1)+9*a(n), a(0) = 11, a(1) = 35}, ogf]
A224790 8.86893 [ -(-675*x^2+198*x-35)/(-675*x^3+849*x^2-185*x+11) lgdogf]
A224808 7.99924 [ -(x^8+x^5-1)/(x^4+x-1)/(x^12+x^8-x^6-x^4-1) ogf]
A224809 8.57331 [ -(x-1)*(x^2+x+1)/(x^3+x-1)/(x^6-x^4-1) ogf]
A224811 6.61413 [ -(x^15-x^10-x^7-x^5+1)/(x-1)/(x+1)/(x^2-x+1)/(x^3+x^2-1)/(x^6-
x^2-1)/(x^12+x^10+x^8+2*x^6+x^4+1) ogf]
A224821 9.08084 [ -(-3*x^5-4*x^4-2*x^3-6*x^2-2*x-4)/(x^6-1)
ogf_with_Euler_transform]
A224822 8.46822 [ -(-3*x^5-2*x^4-x^3-6*x^2-x-2)/(x^6-1) ogf_with_Euler_transform]
A224823 15.6909 [ -(3*x^2-2*x+2)/(-x^3-1) ogf_with_Euler_transform]
A224825 13.4524 [ -(3*x^2-x+1)/(-x^3-1) ogf_with_Euler_transform]
A224829 6.41977 [ (x^10+3*x^9+6*x^8+9*x^7+9*x^6+9*x^5+9*x^4+9*x^3+9*x^2+9*x+8)/
(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]
A224831 9.68005 [ -(-3*x^4-x^2-2*x-3)/(x^5+x^4+x^3+x^2+x+1)
ogf_with_Euler_transform]
A224833 10.2879 [ -(3*x^3+2*x^2-3*x+5)/(-x^4+x^3-x+1) ogf_with_Euler_transform]

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A224868 10.5149 [  $-(4*x^3-2*x^2+3*x-7)/(x-1)/(x^3+x-1)$  ogf]  
A224869 4.22010 [  $\{(-n^2-7*n-12)*a(n+1)+(n^2+8*n+16)*a(n+2)+(-n-3)*a(n+3), a(0) = -1, a(1) = 0, a(2) = 3\}$ , ogf]  
A224881 23.7592 [  $2/(-16*x+1)$  lgdogf]  
A224881 6.50017 [  $\{(-n-2)*a(n+2)+(18+16*n)*a(n+1), a(0) = 1, a(1) = 2\}$ , ogf]  
A224881 61.5486 [  $2/(-16*x+1)$  lgdogf]  
A224882 22.6246 [  $2/(-32*x+1)$  lgdogf]  
A224882 58.5957 [  $2/(-32*x+1)$  lgdogf]  
A224882 6.18975 [  $\{(-n-2)*a(n+2)+(34+32*n)*a(n+1), a(0) = 1, a(1) = 2\}$ , ogf]  
A224884 13.3671 [  $x^{2^{(1/2)}}/(1+(1+16*x)^{(1/2)})^{(1/2)}$  revogf]  
A224884 5.56149 [  $\{(-108*n^2-216*n-96)*a(n+1)+(n^2+5*n+6)*a(n+3), a(0) = 1, a(1) = 2, a(2) = -6\}$ , ogf]  
A224900 6.20808 [  $\{(-n^3-8*n^2-21*n-18)*a(n+1)+a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A224916 15.1250 [  $-(2*x+2)/(x^3-x^2+x-1)$  ogf\_with\_Euler\_transform]  
A224992 5.19743 [  $\{-a(n+4)+20*a(n+3)-108*a(n+2)+144*a(n+1), a(0) = 1, a(1) = 3, a(2) = 18, a(3) = 144\}$ , ogf]  
A224992 9.44987 [  $(36*x^3-66*x^2+17*x-1)/(12*x-1)/(6*x-1)/(2*x-1)$  ogf]  
A224993 6.46623 [  $(576*x^4-1200*x^3+380*x^2-36*x+1)/(12*x-1)/(6*x-1)/(20*x-1)/(2*x-1)$  ogf]  
A224998 6.47877 [  $(x^{12}-x^{11}+7*x^9-6*x^8+x^7+x^6+x^5+x^3+x^2-6*x+7)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A224999 13.6099 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A224999 21.1710 [  $-(x^3+3*x^2+6*x+2)/(x^4+x^3-x-1)$  lgdogf]  
A224999 24.9887 [  $(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A224999 60.8392 [  $-x^2+x+2$  ogf\_with\_Euler\_transform]  
A225000 14.7612 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 4, a(2) = 7\}$ , ogf]  
A225000 20.4106 [  $\{-x^3-5*x^2-10*x-4\}/(-x^4-2*x^3-x^2+2*x+2)$  lgdogf]  
A225000 27.1026 [  $(x^2+2*x+2)/(x+1)/(x-1)^2$  ogf]  
A225001 9.69552 [  $(4*x^5-3*x^4+x^3+x^2-2*x+4)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A225002 11.9156 [  $(x^3+2*x^2+3*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A225002 4.95286 [  $\{(-7*n-25)*a(n+1)-7*a(n+2)-7*a(n+3)+(7*n+18)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 6, a(3) = 8\}$ , ogf]  
A225003 8.58277 [  $(23*x^6-22*x^5+x^4+2*x^3+x^2-21*x+23)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A225007 6.33394 [  $-(x^5-6*x^4+15*x^3-20*x^2+10*x-16)/(x-1)^6$  ogf]  
A225008 5.31679 [  $-(x^6-7*x^5+21*x^4-35*x^3+36*x^2-6*x+22)/(x-1)^7$  ogf]  
A225009 4.56179 [  $-(x^7-8*x^6+28*x^5-56*x^4+70*x^3-63*x^2-7*x-29)/(x-1)^8$  ogf]  
A225011 4.25735 [  $-(x^4-3*x^3+4*x^2-2*x+1)*(x^4-5*x^3+10*x^2-10*x+5)/(x-1)^9$  ogf]  
A225018 6.26785 [  $(x^6+12*x^5+64*x^4+93*x^3+88*x^2+27*x+3)/(x+1)^3/(x-1)^4$  ogf]  
A225029 9.21528 [  $-(x^3-22*x^2+10*x-1)/(x^4-74*x^3+59*x^2-14*x+1)$  ogf]  
A225030 6.55297 [  $-(x^4-224*x^3+122*x^2-20*x+1)/(x^5-973*x^4+782*x^3-218*x^2+25*x-1)$  ogf]  
A225031 5.65081 [  $-(x^5-4035*x^4+2233*x^3-433*x^2+35*x-1)/(x^6-21721*x^5+16398*x^4-4701*x^3+638*x^2-41*x+1)$  ogf]  
A225032 4.28480 [  $-(x^6-113540*x^5+60675*x^4-12364*x^3+1203*x^2-56*x+1)/(x^7-727767*x^6+509549*x^5-142915*x^4+20515*x^3-1589*x^2+63*x-1)$  ogf]  
A225034 3.95451 [  $\{(3*n^2+3*n)*a(n)+(5*n^2+21*n+16)*a(n+1)+(n^2+11*n+24)*a(n+2)+(-n^2-7*n-12)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 7\}$ , ogf]  
A225055 8.63516 [  $(x+1)*(x^2-x+1)*(4*x^2+2*x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A225058 8.36561 [  $(x^7+x^6+3*x^5+2*x^4+3*x^3+x^2+x-1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A225107 10.1160 [  $\{-(-80*x^2+40*x-8)/(-80*x^3+68*x^2-16*x+1)$  lgdogf]  
A225107 14.5418 [  $-3*(4*x-1)/(10*x-1)/(2*x-1)$  ogf]  
A225107 8.21182 [  $\{a(n+2)-12*a(n+1)+20*a(n), a(0) = 3, a(1) = 24\}$ , ogf]  
A225108 3.98524 [  $(x^{10}-7*x^9-4*x^8+7*x^7+7*x^6+x^5-10*x^4-10*x^3-3*x^2+4)/(26*x^{10}+5*x^9-28*x^8-16*x^7-9*x^6+22*x^5+10*x^4-3*x^2-8*x+4)$  egf]  
A225126 10.0912 [  $\{-x^4+9*x^2+4*x+4\}/(-x^5+5*x^3+x^2-4*x-1)$  lgdogf]  
A225126 13.2344 [  $-x*(x^3-4*x-1)/(x+1)^2/(x-1)^2$  ogf]  
A225144 10.3728 [  $-x*(3*x+1)*(3*x^2+2*x+3)/(x-1)^3/(x+1)^3$  ogf]  
A225144 7.93217 [  $\{-(-27*x^4-36*x^3-82*x^2-36*x-11)/(-9*x^5-9*x^4-2*x^3+6*x^2+11*x$

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+3) lgdogf]
A225170 12.6846 [x+1/2-1/2*exp(x) revevgf]
A225196 12.7959 [ -(-x^5-x^4-x^3-x^2-x-1)/(-x+1) ogf_with_Euler_transform]
A225197 11.5616 [ -(-x^6-x^5-x^4-x^3-x^2-x-1)/(-x+1) ogf_with_Euler_transform]
A225209 6.00220 [ (512*x^3+1568*x^2+220*x+1)/(x-1)/(4*x-1)/(8*x-1)/(16*x-1) ogf]
A225231 7.14532 [ (3*x^6-7*x^5+3*x^4+4*x^3-11*x^2+11*x-9)/(x^2+1)/(x-1)^3 ogf]
A225232 11.1585 [ -(-4*x^3+10*x^2+4*x+2)/(-x^4+2*x^3+2*x^2-2*x-1) lgdogf]
A225232 13.9052 [ 2*(x^2-2*x-1)/(x-1)^3/(x+1)^3 ogf]
A225240 4.27591 [ (2*x^4+x+1)/(x^4+1)/(x-1)^2 ogf]
A225296 6.37773 [ -
(1344*x^21-1204*x^20-96*x^19+18*x^18-43*x^17+x^15-20*x^14+168*x^2-152*x-24)/
(x-1)^2 ogf]
A225311 5.81722 [ -(x^9-x^8-2*x^7-x^6-4*x^5-5*x^4-8*x^3-7*x^2-5*x-2)/(x^2+1)/
(x^2+x+1)/(x+1)^2/(x-1)^4 ogf]
A225367 10.9791 [ -(6*x^2+12*x+2)/(-9*x^4+6*x^3+12*x^2-2*x-3) lgdogf]
A225367 16.5808 [ (3*x^2-2*x-3)/(3*x^2-1) ogf]
A225367 9.67211 [{-a(n+3)+3*a(n+1), a(0) = 3, a(1) = 2, a(2) = 6}, ogf]
A225374 12.1862 [{a(n+1)-111*a(n), a(0) = 1}, ogf]
A225374 20.5642 [111/(-111*x+1) lgdogf]
A225374 28.6111 [ -1/(111*x-1) ogf]
A225391 16.2991 [ 1/(x^8-x^6-x^2-x+1) ogf]
A225391 9.98320 [ -(-8*x^7+6*x^5+2*x+1)/(-x^8+x^6+x^2+x-1) lgdogf]
A225393 17.6246 [ -1/(x^8-x^6+x^2+x-1) ogf]
A225393 9.91386 [ -(8*x^7-6*x^5+2*x+1)/(x^8-x^6+x^2+x-1) lgdogf]
A225394 16.2612 [ -1/(x^9-x^7+x^2+x-1) ogf]
A225394 9.95998 [ -(9*x^8+7*x^6-2*x-1)/(-x^9+x^7-x^2-x+1) lgdogf]
A225396 17.2671 [ -1/(x^12-x^10+x^2+x-1) ogf]
A225396 9.54769 [ -(12*x^11-10*x^9+2*x+1)/(x^12-x^10+x^2+x-1) lgdogf]
A225439 3.87164 [{(-81*n^2-81*n-18)*a(n)+(18*n^2+36*n+18)*a(n+1)+(-
n^2-3*n-2)*a(n+2), a(0) = 1, a(1) = 3, a(2) = 21}, ogf]
A225482 12.2769 [ 1/(x^8-x^5-x^4-x^3+1) ogf]
A225484 11.4854 [ 1/(x+1)/(x^8-x^7+x^6-2*x^5+x^4-2*x^3+x^2-x+1) ogf]
A225486 4.58315 [ -x*(x^12+x^5+x^2+x+2)/(x-1) ogf]
A225490 11.3763 [ -1/(x-1)/(x^6-x^4-x^3-x^2+1) ogf]
A225491 4.58315 [ -x*(x^12+x^5+x^2+x+4)/(x-1) ogf]
A225499 8.41084 [ 1/(x^12-x^11+x^10-x^9-x^6-x^3+x^2-x+1) ogf]
A225500 10.4532 [ 1/(x^12-x^11-x^7+x^6-x^5-x+1) ogf]
A225501 10.0337 [ 1/(x^12-x^8-x^7-x^6-x^5-x^4+1) ogf]
A225539 12.0515 [ (x+5)*(2*x+1)/(x+1)/(x-1)^2 ogf]
A225539 6.55435 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 16, a(2) = 23},
ogf]
A225539 8.79054 [ -(-2*x^3-24*x^2-30*x-16)/(-2*x^4-11*x^3-3*x^2+11*x+5) lgdogf]
A225543 12.3567 [ -(12*x^3-4*x^2+20*x-4)/(-x^4+1) ogf_with_Euler_transform]
A225551 4.03376 [ (x^8-x^7+x^5-x^4-2*x^3+x^2+3*x+1)/(x+1)/(x-1)^2 ogf]
A225553 4.48045 [ -x*(x^9-x^8+x^4-x-1)/(x+1)/(x-1)^2 ogf]
A225564 13.1561 [ -(-8*x^3-2*x^2-2)/(x^4-1) ogf_with_Euler_transform]
A225566 13.6014 [ 2/(x^2+x+1)^2/(x-1)^4 ogf]
A225566 21.1867 [ -(-8*x^2-2*x-2)/(-x^3+1) lgdogf]
A225566 43.8912 [[2*x^2+2] ogf_with_Euler_transform]
A225566 6.67703 [{(-n-4)*a(n+4)+2*a(n+3)+2*a(n+2)+(9+n)*a(n+1), a(0) = 2, a(1) =
4, a(2) = 6, a(3) = 12}, ogf]
A225605 13.0071 [ -(3*x^3+2*x^2+x-5)/(x-1)/(x^3+x^2+x-1) ogf]
A225658 10.0312 [ -(-x^2+4*x-21)/(-x^3+4*x^2-11*x+8) lgdegf]
A225658 10.8534 [ -(x^2-3*x+8)/(x-1)^3 egf]
A225683 9.85827 [ -(49*x^18-48*x^17+10*x^16-4*x^15-4*x^14-3*x^12+8*x^2-8*x-1)/
(x-1)^2 ogf]
A225685 5.59017 [ -(5*x^2+1)*(2*x^2+1)*(3*x^2+1)*(4*x^2+1)*(x^2+1)/
(120*x^11-120*x^10+548*x^9-274*x^8+675*x^7-225*x^6+340*x^5-85*x^4+75*x^3-15*x^2+
6*x-1) ogf]
A225690 9.21217 [ (2*x^6-2*x^5-3*x^4-x^3-2*x^2+2*x-1)/(x-1)^3 ogf]
A225691 7.64504 [ (10*x^9-20*x^8+12*x^6+8*x^5+3*x^4-x^3+4*x^2-3*x+1)/(x-1)^4

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ogf]

A225773 4.02198 [  $(x^5+x^4+2)/(x^4+1)/(x-1)^2$  ogf]

A225785 7.06170 [  $-12*x*(x^2+6*x+1)/(x-1)/(x^2+18*x+1)/(x^2-18*x+1)$  ogf]

A225786 4.44592 [  $\{a(n+3)-323*a(n+2)+323*a(n+1)-a(n), a(0) = 0, a(1) = 48, a(2) = 15552\}$ , ogf]

A225786 6.50622 [  $(-(-2*x^3+320*x^2+646*x-324)/(-x^4+322*x^3-322*x+1)$  lgdogf]

A225786 8.46841 [  $-48*x*(x+1)/(x-1)/(x^2-322*x+1)$  ogf]

A225793 5.32491 [  $-(x^{13}+x^{12}+x^{11}+x^{10}-x^9-x^8-x^7-x^6-x^5-2*x^4-2*x^3-2*x^2-2*x-2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]

A225799 13.3045 [  $(-(-218*x-13)/(-109*x^2-13*x+1)$  lgdogf]

A225799 17.5230 [  $-11*x/(109*x^2+13*x-1)$  ogf]

A225799 8.45227 [  $\{-a(n+2)+13*a(n+1)+109*a(n), a(0) = 0, a(1) = 11\}$ , ogf]

A225810 5.22267 [  $\{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 6, a(1) = 141, a(2) = 10401\}$ , ogf]

A225810 8.89265 [  $-3*(470*x^2-175*x+2)/(x-1)/(100*x-1)/(10*x-1)$  ogf]

A225813 5.22267 [  $\{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 9, a(1) = 171, a(2) = 10701\}$ , ogf]

A225813 8.89265 [  $-9*(190*x^2-92*x+1)/(x-1)/(100*x-1)/(10*x-1)$  ogf]

A225826 10.8507 [  $-(9*x^2+x-1)/(2*x+1)/(2*x-1)/(4*x-1)$  ogf]

A225826 5.95350 [  $\{a(n+3)-4*a(n+2)-4*a(n+1)+16*a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$ , ogf]

A225827 8.47308 [  $-(120*x^3-24*x^2-6*x+1)/(8*x-1)/(4*x-1)/(8*x^2-1)$  ogf]

A225828 11.3122 [  $-(100*x^2+6*x-1)/(4*x-1)/(4*x+1)/(16*x-1)$  ogf]

A225828 6.42305 [  $(-(-25600*x^4-3072*x^3-736*x^2+168*x-10)/(-25600*x^5+64*x^4+1952*x^3-20*x^2-22*x+1)$  lgdogf]

A225828 6.42305 [  $\{-a(n+3)+16*a(n+2)+16*a(n+1)-256*a(n), a(0) = 1, a(1) = 10, a(2) = 76\}$ , ogf]

A225829 7.79143 [  $(-(-2880*x^3-288*x^2-20*x+1)/(8*x-1)/(32*x-1)/(32*x^2-1)$  ogf]

A225830 12.3047 [  $(-(-1296*x^2+28*x-1)/(8*x-1)/(8*x+1)/(64*x-1)$  ogf]

A225830 6.52523 [  $(-(-5308416*x^4-229376*x^3-68864*x^2+2464*x-36)/(-5308416*x^5-31744*x^4+88832*x^3+432*x^2-92*x+1)$  lgdogf]

A225830 7.11843 [  $\{-a(n+3)+64*a(n+2)+64*a(n+1)-4096*a(n), a(0) = 1, a(1) = 36, a(2) = 1072\}$ , ogf]

A225831 10.0141 [  $(-(-78336*x^3-4224*x^2-72*x+1)/(16*x-1)/(128*x-1)/(128*x^2-1)$  ogf]

A225832 4.17313 [  $\{-a(n+3)+256*a(n+2)+256*a(n+1)-65536*a(n), a(0) = 1, a(1) = 136, a(2) = 16576\}$ , ogf]

A225832 7.01087 [  $(-(-18496*x^2+120*x-1)/(16*x+1)/(256*x-1)/(16*x-1)$  ogf]

A225833 4.54786 [  $(-(-2297856*x^3-66048*x^2-272*x+1)/(512*x-1)/(32*x-1)/(512*x^2-1)$  ogf]

A225834 4.91452 [  $\{-a(n+3)+1024*a(n+2)+1024*a(n+1)-1048576*a(n), a(0) = 1, a(1) = 528, a(2) = 262912\}$ , ogf]

A225834 8.04752 [  $(-(-278784*x^2+496*x-1)/(32*x+1)/(32*x-1)/(1024*x-1)$  ogf]

A225839 6.61098 [  $-378*x*(x^2+46*x+1)/(x-1)/(x^2-322*x+1)/(x^2+322*x+1)$  ogf]

A225853 13.5258 [  $(-(-2*x^2+3*x-2)/(-x^4+1)$  ogf\_with\_Euler\_transform]

A225869 5.47357 [  $(-x^{16}+x^{13}+3*x^{12}+x^{10}+x^9+x^8+x^7+2*x^5+2*x^4+2*x+2)/(x-1)/(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]

A225872 12.5462 [  $(-(-12*x^3-4*x^2-4*x-4)/(x^4-1)$  ogf\_with\_Euler\_transform]

A225875 13.0993 [  $(x^5+x^3+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]

A225879 12.6250 [  $(x-1)*(4*x^2+2*x+1)/(2*x^6+7*x^3-1)$  ogf]

A225883 15.4429 [  $(-(-4*x-3)/(-2*x^2-3*x-1)$  lgdogf]

A225883 20.0341 [  $x/(x+1)/(2*x+1)$  ogf]

A225883 9.15136 [  $\{-a(n+2)-3*a(n+1)-2*a(n), a(0) = 0, a(1) = 1\}$ , ogf]

A225887 14.3012 [  $(-x^2+x)/(-6*x^2-5*x-1)$  revogf]

A225887 3.64541 [  $\{(6*n+12)*a(n+1)+(-37*n-128)*a(n+2)+(12*n+51)*a(n+3)+(-n-5)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 18, a(3) = 86\}$ , ogf]

A225894 7.40059 [  $(-(-2*x^4+6*x^3-18*x^2+6*x-12)/(-2*x^5+9*x^4-20*x^3+21*x^2-12*x+4)$  lgdogf]

A225894 7.78604 [  $(-2*x^4-7*x^3+13*x^2-8*x+4)/(x-1)^5$  ogf]

A225895 3.88126 [  $(-3*x^8-23*x^7+82*x^6-162*x^5+195*x^4-160*x^3+100*x^2-30*x+7)/$

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(x-1)^9 ogf]
A225912 12.3465 [ -(-12*x^3-8*x^2-8*x-8)/(x^4-1) ogf_with_Euler_transform]
A225915 12.9410 [ -(16*x-16)/(-x^3-x^2-x-1) ogf_with_Euler_transform]
A225918 4.12910 [ (2*x^4+3*x^3+5*x^2+6*x+1)/(x-1)/(x^4+x^3+2*x^2+2*x-1) ogf]
A225919 4.77539 [ (5*x^3+7*x+1)/(x-1)/(2*x^3-x^2+3*x-1) ogf]
A225928 5.44631 [{-a(n+3)+21*a(n+2)-84*a(n+1)+64*a(n), a(0) = 29, a(1) = 113,
a(2) = 1169}, ogf]
A225928 9.41434 [ -(1232*x^2-496*x+29)/(x-1)/(4*x-1)/(16*x-1) ogf]
A225972 8.26380 [ x^2*(2*x^3+x^2+4*x+1)/(x+1)^2/(x-1)^4 ogf]
A225972 9.27382 [ -(-6*x^4-8*x^3-28*x^2-16*x-6)/(-2*x^5-x^4-2*x^3+4*x+1) lgdogf]
A225975 4.15035 [
x*(2*x^14+2*x^13+6*x^12+x^11+10*x^10+6*x^9+14*x^8+4*x^7+14*x^6+6*x^5+10*x^4+x^3+
6*x^2+2*x+2)/(x-1)^2/(x+1)^2/(x^2+1)^2/(x^4+1)^2 ogf]
A225976 6.67824 [ (x^5+2*x^4-5*x^3+18*x^2-9*x+4)/(x-1)^6 ogf]
A225984 9.60406 [ -(2*x^3-3*x^2+4*x+5)/(x^5-x^3+x^2-x-1) ogf]
A226023 5.90939 [ x*(x^5-x^4-2*x^3-3*x^2-x-2)/(x^2+x+1)^2/(x-1)^3 ogf]
A226033 7.97205 [ x*(x^17+x^14+x^11+x^9+x^6+x^3+1)/
(x^18+x^17+x^16+x^15+x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x
+1)/(x-1)^2 ogf]
A226044 6.65242 [ -(64*x^7+16*x^6+64*x^5+4*x^4+64*x^3+16*x^2+64*x+1)/(x-1)/(x
+1)/(x^2+1)/(x^4+1) ogf]
A226046 9.09163 [ x*(x^27-x^22+x^20+x^13+1)/(x+1)/
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^10-x^9+x^8-x^7+x^6-x^5+x^4-
x^3+x^2-x+1)/(x-1)^2 ogf]
A226076 7.81209 [ -(33*x^8+112*x^7+80*x^6+28*x^5+20*x^4+12*x^3+9*x^2+4*x+1)/
(4*x^3-1) ogf]
A226088 6.43776 [-2*x^5+x^3+x^2+2*x+1 ogf_with_Euler_transform]
A226089 5.10391 [ -(x^8-2*x^7+4*x^6-6*x^5+7*x^4-3*x^3+2*x^2+x+2)/(x-1)^3/
(x^2+1)^3 ogf]
A226096 5.75905 [ -(x+1)*(x^8+2*x^7-2*x^6+7*x^5+7*x^3-2*x^2+2*x+1)/
(x^4+x^3+x^2+x+1)^2/(x-1)^3 ogf]
A226097 8.27953 [ -(1681*x^4+82*x^3-3104*x^2-74*x+1447)/(x+1)^2/(x-1)^3 ogf]
A226107 6.47174 [ x^2*(2*x^3+x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^2 ogf]
A226122 21.1291 [-x^5+3*x^2-2*x+2 ogf_with_Euler_transform]
A226122 8.64360 [ (x^2-x+1)*(x+1)^3/(x-1)^2/(x^2+x+1)^2 ogf]
A226122 9.09262 [ -(x^5-2*x^4+2*x^3-11*x^2+2*x-2)/(-x^6+1) lgdogf]
A226132 7.23311 [ -(4*x^7+x^6-3*x^5-2*x^4+2*x^3+2*x^2+3*x-1)/(-x^8-x^4-1)
ogf_with_Euler_transform]
A226136 7.66478 [ -(x+1)*(x^2+1)^2/(x^3+x-1) ogf]
A226137 4.02139 [ (x^20-5*x^16-x^15-
x^14+10*x^12+4*x^11+3*x^10+x^9-8*x^8-6*x^7-5*x^6-3*x^5+x^4+4*x^3+3*x^2+2*x+1)/
(x-1)/(x+1)/(x^2+1)/(x^12-3*x^8+4*x^4-1) ogf]
A226141 7.80251 [ x*(x^4+3*x^3+7*x^2+3*x+2)/(x+1)^3/(x-1)^4 ogf]
A226141 8.16374 [ -(3*x^5+13*x^4+42*x^3+34*x^2+31*x+5)/
(x^6+3*x^5+6*x^4-5*x^2-3*x-2) lgdogf]
A226179 11.2239 [ -(75*x^8-59*x^7-3*x^6-13*x^5+8*x^4-x^3-7*x^2-1)/(x-1)^2 ogf]
A226192 6.44251 [ -(2*x^7+x^6-2*x^5+x^4+4*x^3+x^2-2*x+1)/(-x^8+1)
ogf_with_Euler_transform]
A226194 8.27143 [ -(-2*x^7-x^6-x^4-x^2-1)/(x^8-1) ogf_with_Euler_transform]
A226199 10.4103 [ (2*x+1)*(3*x-1)/(7*x-1)/(x-1)^2 ogf]
A226199 5.66174 [{a(n+3)-9*a(n+2)+15*a(n+1)-7*a(n), a(0) = 1, a(1) = 8, a(2) =
51}, ogf]
A226199 7.59339 [ -(42*x^3+56*x^2-34*x+8)/(42*x^4-41*x^3-9*x^2+9*x-1) lgdogf]
A226200 11.9351 [ (5*x^2+x-1)/(6*x-1)/(x-1)^2 ogf]
A226200 6.49102 [{a(n+3)-8*a(n+2)+13*a(n+1)-6*a(n), a(0) = 1, a(1) = 7, a(2) =
38}, ogf]
A226200 8.70560 [ -(30*x^3+42*x^2-29*x+7)/(30*x^4-29*x^3-8*x^2+8*x-1) lgdogf]
A226201 10.8733 [ (7*x^2+x-1)/(8*x-1)/(x-1)^2 ogf]
A226201 5.95667 [{a(n+3)-10*a(n+2)+17*a(n+1)-8*a(n), a(0) = 1, a(1) = 9, a(2) =
66}, ogf]
A226201 7.87376 [ -(56*x^3+72*x^2-39*x+9)/(56*x^4-55*x^3-10*x^2+10*x-1) lgdogf]

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A226202 4.94971 [ {a(n+3)-11\*a(n+2)+19\*a(n+1)-9\*a(n), a(0) = 1, a(1) = 10, a(2) = 83}, ogf ]  
A226202 6.52461 [ -(72\*x^3+90\*x^2-44\*x+10)/(72\*x^4-71\*x^3-11\*x^2+11\*x-1) lgdogf ]  
A226202 9.11375 [ (8\*x^2+x-1)/(9\*x-1)/(x-1)^2 ogf ]  
A226203 9.21618 [ (x^5+2\*x^3+2\*x^2-4\*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2 ogf ]  
A226205 11.6150 [ -(x^3-3\*x^2+6\*x)/(x^4-3\*x^3+3\*x-1) lgdogf ]  
A226205 12.9478 [ (x-1)^2/(x+1)/(x^2-3\*x+1) ogf ]  
A226205 7.11548 [ {a(n+3)-2\*a(n+2)-2\*a(n+1)+a(n), a(0) = 1, a(1) = 0, a(2) = 3}, ogf ]  
A226233 19.5121 [ 1/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf ]  
A226233 39.8555 [ x^9+1 ogf\_with\_Euler\_transform ]  
A226235 15.7064 [ -(-12\*x^4-12)/(x^6-1) ogf\_with\_Euler\_transform ]  
A226251 4.75098 [ -(7\*x^9+4\*x^8+3\*x^7+x^6+8\*x^5+5\*x^4+3\*x^3+2\*x^2+x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) ogf ]  
A226252 37.6281 [ -7/(-x-1) ogf\_with\_Euler\_transform ]  
A226253 37.9129 [ -9/(-x-1) ogf\_with\_Euler\_transform ]  
A226254 36.5644 [ -10/(-x-1) ogf\_with\_Euler\_transform ]  
A226255 36.2129 [ -11/(-x-1) ogf\_with\_Euler\_transform ]  
A226262 5.57388 [ -(16777216\*x^3-1474560\*x^2+35840\*x-240)/(4194304\*x^4-491520\*x^3+17920\*x^2-240\*x+1) lgdogf ]  
A226262 9.65030 [ 42/(16\*x-1)/(128\*x-1)/(32\*x-1)/(64\*x-1) ogf ]  
A226264 11.6250 [ -(-4\*x^2+12\*x-7)/(-4\*x^3+12\*x^2-11\*x+3) lgdogf ]  
A226264 16.5718 [ -12\*(2\*x-3)/(2\*x-1)/(x-1) ogf ]  
A226264 9.27232 [ {-a(n+2)+3\*a(n+1)-2\*a(n), a(0) = 36, a(1) = 84}, ogf ]  
A226265 11.1173 [ -(-4\*x^2+12\*x-7)/(-4\*x^3+12\*x^2-11\*x+3) lgdogf ]  
A226265 15.2012 [ -168\*(2\*x-3)/(2\*x-1)/(x-1) ogf ]  
A226265 8.56161 [ {-a(n+2)+3\*a(n+1)-2\*a(n), a(0) = 504, a(1) = 1176}, ogf ]  
A226268 8.49011 [ -840/(4\*x-1)/(2\*x-1)/(8\*x-1)/(16\*x-1)/(32\*x-1) ogf ]  
A226271 13.6332 [ -(2\*x^3+2\*x^2-2\*x-1)/(x-1)/(x^2+x-1) ogf ]  
A226271 7.29498 [ {a(n+4)-2\*a(n+3)+a(n+1), a(0) = 1, a(1) = 4, a(2) = 6, a(3) = 9}, ogf ]  
A226271 8.31628 [ -(-2\*x^4-4\*x^3+5\*x^2+4\*x-4)/(-2\*x^6-2\*x^5+6\*x^4+3\*x^3-6\*x^2+1) lgdogf ]  
A226274 9.52618 [ -(x^4-4\*x^3+7\*x^2-4\*x-1)/(x-1)/(x^3-3\*x^2+4\*x-1) ogf ]  
A226275 11.8832 [ (x^5+x^3-x^2-x-1)/(x^3+x-1) ogf ]  
A226275 7.59206 [ -(-2\*x^7-4\*x^5+4\*x^4-4\*x^3+x^2-2\*x-2)/(x^8+2\*x^6-2\*x^5-3\*x^3+1) lgdogf ]  
A226276 13.2925 [ -4\*(x^3+x^2+x+2)/(x-1)/(x+1)/(x^2+1) ogf ]  
A226279 9.74203 [ x\*(3\*x^3-x^2+x-1)/(x+1)/(x^2+1)/(x-1)^2 ogf ]  
A226289 4.60669 [ -(-2\*x^9+x^8-x^5-3\*x^3+2\*x^2-1)/(x^10-x^9+x^7-x^6+x^4-x^3+x-1) ogf\_with\_Euler\_transform ]  
A226292 10.3838 [ -(-2\*x^3-8\*x^2-14\*x-6)/(-x^4-2\*x^3-x^2+2\*x+2) lgdogf ]  
A226292 13.7883 [ -(x^2+2\*x+2)/(x+1)/(x-1)^3 ogf ]  
A226293 8.86149 [ (6\*x^6-x^5-x^4-x^3-x^2-x+6)/(x^2-x+1)/(x+1)/(x^2+x+1)/(x-1)^2 ogf ]  
A226294 12.3510 [ -(2\*x^2+6\*x+2)/(2\*x^3+3\*x^2-2\*x-3) lgdogf ]  
A226294 12.3510 [ {-a(n+2)+a(n), a(0) = 6, a(1) = 4}, ogf ]  
A226294 19.2797 [ -2\*(2\*x+3)/(x-1)/(x+1) ogf ]  
A226302 7.84376 [ -(-8\*x^4-12\*x^3+2\*x^2+2\*x-1)/(-8\*x^5-8\*x^4+6\*x^3+6\*x^2-x-1) lgdogf ]  
A226308 13.8134 [ -(2\*x^2-x+2)/(2\*x-1)/(x^2+x+1) ogf ]  
A226308 7.52338 [ {a(n+3)-a(n+2)-a(n+1)-2\*a(n), a(0) = 2, a(1) = 1, a(2) = 5}, ogf ]  
A226308 9.57520 [ -(4\*x^4-4\*x^3+9\*x^2+8\*x+1)/(4\*x^5+5\*x^3-x^2+3\*x-2) lgdogf ]  
A226309 13.0386 [ -(2\*x^3+2\*x^2-x+2)/(2\*x-1)/(x+1)/(x^2+1) ogf ]  
A226309 7.78271 [ -(-4\*x^6-8\*x^5+6\*x^4-10\*x^3-9\*x^2-8\*x-1)/(-4\*x^7-6\*x^6-2\*x^5-7\*x^4-x^3+x^2-3\*x+2) lgdogf ]  
A226310 12.0686 [ x\*(2\*x^3+x^2-1)/(2\*x-1)/(x^4+x^3+x^2+x+1) ogf ]  
A226311 10.8345 [ -(2\*x^4+2\*x^3+2\*x^2-x+2)/(2\*x-1)/(x^4+x^3+x^2+x+1) ogf ]  
A226315 13.0996 [ -x^2\*(8\*x-5)/(x-1)/(2\*x-1)^3 ogf ]  
A226315 13.2867 [ -(-48\*x^2+72\*x-27)/(-16\*x^3+34\*x^2-23\*x+5) lgdogf ]

A226315 5.22512 [  $\{(2*n^2+26*n+44)*a(n+1)+(-3*n^2-37*n-54)*a(n+2)+(n^2+11*n+10)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 5\}$ , ogf]  
A226322 6.92496 [  $-(x^6+2*x^2-1)/(2*x^{12}+4*x^{10}+2*x^9+3*x^8+x^6-4*x^4-6*x^3-5*x^2+1)$  ogf]  
A226328 9.41749 [  $(2*x^4+3*x^2-3*x+1)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A226348 5.36415 [  $-(6*x^5+5*x^4-24*x^3+10*x+1)/(x-1)/(6*x^5+11*x^4-15*x^3-16*x^2-x+1)$  ogf]  
A226350 4.28431 [  $-(2*x^{11}-x^{10}+x^9+x^7-x^6+x^5-x^4+x^3+x-1)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]  
A226351 6.05949 [  $-(2*x^4+x^3-5*x^2-x+1)/(x^2-x-1)/(6*x^4+7*x^3-13*x^2-5*x+1)$  ogf]  
A226369 13.0885 [  $-(-12*x^5-5*x^4)/(-2*x^6-x^5+1)$  lgdogf]  
A226369 21.5783 [  $-1/(x+1)/(2*x^5-x^4+x^3-x^2+x-1)$  ogf]  
A226370 16.2184 [  $-1/(x^6+2*x^4+x^3+x^2-1)$  ogf]  
A226370 9.03073 [  $-(6*x^5+8*x^3+3*x^2+2*x)/(x^6+2*x^4+x^3+x^2-1)$  lgdogf]  
A226371 4.98078 [  $-(x-1)*(x+1)*(x^2+x+1)*(x^2-x+1)*(x^6+x^3-1)/(x^{19}-x^{18}-x^{16}-x^{15}-2*x^{13}-7*x^{12}+x^{10}-8*x^9+x^7+9*x^6+x^3-1)$  ogf]  
A226379 4.99043 [  $x*(x^9-x^8+3*x^7+12*x^6-17*x^5-3*x^4-x^3-5*x^2-12*x+15)/(x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]  
A226405 10.2122 [  $-(6*x^3-3*x^2+4*x-4)/(x^4-x^3+x^2-2*x+1)$  lgdogf]  
A226405 12.5688 [  $x/(x^3+x-1)/(x-1)^3$  ogf]  
A226416 4.11828 [  $-(x^{12}-x^{11}-x^{10}-5*x^8+8*x^7-8*x^6+19*x^5-10*x^4+21*x^3-2*x^2+7*x+2)/(x^2+1)^2/(x+1)^3/(x-1)^5$  ogf]  
A226430 7.91120 [  $(3*x^6+8*x^5-x^4-12*x^3+5*x^2+2*x-1)/(2*x-1)/(x^2+x-1)^2$  ogf]  
A226431 6.91029 [  $-(x^5-9*x^4+22*x^3-19*x^2+7*x-1)/(2*x-1)/(x-1)/(x^2-3*x+1)^2$  ogf]  
A226432 9.86464 [  $(x^5+4*x^4+2*x^3-5*x^2+1)/(x^2+x-1)^2$  ogf]  
A226433 8.24002 [  $-(x^5-8*x^3+10*x^2-5*x+1)/(2*x-1)/(x^2-3*x+1)/(x-1)^2$  ogf]  
A226447 13.5131 [  $-(x^3-x+1)/(x^2-x+1)/(x^2-x-1)$  ogf]  
A226447 7.08348 [  $\{a(n+4)-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = -2\}$ , ogf]  
A226447 7.84243 [  $-(-x^6+4*x^4-8*x^3+4*x^2-2*x+1)/(-x^7+2*x^6-3*x^4+4*x^3-x^2-x+1)$  lgdogf]  
A226449 11.2933 [  $x*(9*x^2+5*x+1)/(x-1)^4$  ogf]  
A226449 12.4911 [  $-(-18*x^2-33*x-9)/(-9*x^3+4*x^2+4*x+1)$  lgdogf]  
A226449 4.16370 [  $\{(n+3)*a(n+4)+(-1+4*n)*a(n+3)+(-29+4*n)*a(n+2)+(-18-9*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 39\}$ , ogf]  
A226450 10.9171 [  $x*(11*x^2+6*x+1)/(x-1)^4$  ogf]  
A226450 11.8804 [  $-(-22*x^2-40*x-10)/(-11*x^3+5*x^2+5*x+1)$  lgdogf]  
A226450 4.20763 [  $\{(-3-n)*a(n+4)-5*n*a(n+3)+(35-5*n)*a(n+2)+(22+11*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 10, a(3) = 45\}$ , ogf]  
A226451 10.5946 [  $x*(13*x^2+7*x+1)/(x-1)^4$  ogf]  
A226451 11.5294 [  $-(-26*x^2-47*x-11)/(-13*x^3+6*x^2+6*x+1)$  lgdogf]  
A226451 3.92001 [  $\{(-3-n)*a(n+4)+(-1-6*n)*a(n+3)+(41-6*n)*a(n+2)+(26+13*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 11, a(3) = 51\}$ , ogf]  
A226488 14.3904 [  $-x*(11*x+2)/(x-1)^3$  ogf]  
A226488 16.3656 [  $-(-22*x-17)/(-11*x^2+9*x+2)$  lgdogf]  
A226488 7.45218 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 17\}$ , ogf]  
A226489 14.1765 [  $-x*(13*x+2)/(x-1)^3$  ogf]  
A226489 15.8123 [  $-(-26*x-19)/(-13*x^2+11*x+2)$  lgdogf]  
A226489 7.34142 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 19\}$ , ogf]  
A226490 14.0928 [  $-x*(17*x+2)/(x-1)^3$  ogf]  
A226490 15.7189 [  $-(-34*x-23)/(-17*x^2+15*x+2)$  lgdogf]  
A226490 7.29808 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 23\}$ , ogf]  
A226491 14.1581 [  $-x*(19*x+2)/(x-1)^3$  ogf]  
A226491 15.7917 [  $-(-38*x-25)/(-19*x^2+17*x+2)$  lgdogf]  
A226491 7.33187 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 25\}$ , ogf]

ogf]

A226492 14.3742 [  $-x*(8*x+3)/(x-1)^3$  ogf]

A226492 16.3866 [  $-(-16*x-17)/(-8*x^2+5*x+3)$  lgdogf]

A226492 7.31544 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 17\}$ , ogf]

A226493 16.5222 [  $-(-6*x-2)/(-3*x^2-2*x+1)$  lgdogf]

A226493 20.8701 [  $-12*x/(x+1)/(3*x-1)$  ogf]

A226493 9.67151 [  $\{-a(n+2)+2*a(n+1)+3*a(n), a(0) = 0, a(1) = 12\}$ , ogf]

A226500 11.4663 [  $-3*x*(x+1)/(x-1)/(x^2-98*x+1)$  ogf]

A226500 5.88271 [  $\{a(n+3)-99*a(n+2)+99*a(n+1)-a(n), a(0) = 0, a(1) = 3, a(2) = 300\}$ , ogf]

A226500 8.56344 [  $-(-2*x^3+96*x^2+198*x-100)/(-x^4+98*x^3-98*x+1)$  lgdogf]

A226503 14.8883 [  $-(x^2+x+1)/(x^5+x^3-1)$  ogf]

A226508 11.5615 [  $-3*(x-1)/(9*x-1)/(3*x-1)$  ogf]

A226508 6.39282 [  $\{-a(n+2)+12*a(n+1)-27*a(n), a(0) = 3, a(1) = 33\}$ , ogf]

A226508 7.76271 [  $-(-27*x^2+54*x-11)/(-27*x^3+39*x^2-13*x+1)$  lgdogf]

A226509 8.41933 [  $(4*x^4-5*x^3+3*x^2+3*x-3)/(x+1)/(x^3+x-1)/(x-1)^2$  ogf]

A226511 16.2875 [  $-(30*x-8)/(15*x^2-8*x+1)$  lgdogf]

A226511 21.4310 [  $3*x/(5*x-1)/(3*x-1)$  ogf]

A226511 9.93143 [  $\{a(n+2)-8*a(n+1)+15*a(n), a(0) = 0, a(1) = 3\}$ , ogf]

A226514 14.6553 [  $(x^2-8*x+13)/(x-1)^4$  ogf]

A226514 15.0863 [  $-(2*x^2-22*x+44)/(x^3-9*x^2+21*x-13)$  lgdogf]

A226514 4.95589 [  $\{(13*n+52)*a(n+4)+(-107-21*n)*a(n+3)+(40+9*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 13, a(1) = 44, a(2) = 99, a(3) = 184\}$ , ogf]

A226516 13.4316 [  $-x^6*(x+1)*(x^5-x+1)/(x^4-x^2+1)/(x^6+x^4-1)$  ogf]

A226517 13.5007 [  $-x^6*(x+1)*(x^4-x+1)/(x^8+x^2-1)$  ogf]

A226535 4.20534 [  $-(-2*x^{11}+3*x^{10}-6*x^9+2*x^8-3*x^7+3*x^6-4*x^5+3*x^4-3*x^3+2*x^2-6*x+3)/(x^{12}-1)$  ogf\_with\_Euler\_transform]

A226538 14.6797 [  $(x^3+x+1)/(x-1)/(x+1)/(x^4+x^2-1)$  ogf]

A226546 7.46930 [  $-(4*x^4+34*x^3+54*x^2+32*x+12)/(x^5+8*x^4+16*x^3+11*x^2-3*x-3)$  lgdogf]

A226546 8.56033 [  $x*(x^2+6*x+3)/(x^3+2*x^2+x-1)^2$  ogf]

A226547 5.18545 [  $x*(x^5+6*x^4-8*x^3-10*x^2+9*x+4)/(x+1)^2/(x^4-3*x+1)^2$  ogf]

A226559 9.61726 [  $-(-x^4-x^3+x+1)/(x^6+x^4+x^2+1)$  ogf\_with\_Euler\_transform]

A226576 14.2837 [  $-x*(2*x^2-3)/(x^2+x+1)/(x-1)^2$  ogf]

A226576 4.99492 [  $\{(-n-8)*a(n+1)-a(n+2)-a(n+3)+(n+7)*a(n+4), a(0) = 0, a(1) = 3, a(2) = 3, a(3) = 1\}$ , ogf]

A226576 9.57849 [  $-(-4*x^4-2*x^3+10*x^2-x+3)/(-2*x^5+3*x^3+2*x^2-3)$  lgdogf]

A226577 11.2257 [  $-x*(3*x^3-2*x^2+2*x-4)/(x+1)/(x^2+1)/(x-1)^2$  ogf]

A226578 9.06299 [  $x*(x^6-x^5-4*x^4+x^3-x+5)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]

A226579 9.52761 [  $x*(2*x^5-6*x^3-4*x^2+3*x+6)/(x+1)/(x^2+x+1)/(x-1)^2$  ogf]

A226580 10.0208 [  $x*(x^8-x^7-4*x^6-2*x+7)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]

A226581 6.62253 [  $x*(2*x^9-2*x^8-6*x^7+3*x^6-x^5+3*x^4-3*x^3+x^2-4*x+8)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]

A226582 6.51572 [  $x*(4*x^{10}-4*x^9-6*x^8+x^7+3*x^6-3*x^5+3*x^3-3*x^2-3*x+9)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]

A226583 6.75613 [  $x*(x^8+5*x^7-x^6-10*x^5-4*x^4-x^3-4*x^2+5*x+10)/(x^4+x^3+x^2+x+1)/(x+1)/(x-1)^2$  ogf]

A226591 8.67591 [  $-(x+1)*(x^2+x+1)*(x^2-x+1)*(x^4-x^2+1)/(x^9-x^7+x^6+x^5-x^4+x^2-1)$  ogf]

A226592 6.09620 [  $-(x+1)*(x^4-x^2+1)*(x^2+1)*(x^2+x+1)*(x^2-x+1)/(2*x^{11}+2*x^8+2*x^5-1)$  ogf]

A226635 14.1581 [  $-(x^3+1)/(x^5-x^4+x-1)$  ogf\_with\_Euler\_transform]

A226637 5.69476 [  $x*(10*x^{16}-9*x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)/(10*x^8-1)$  ogf]

A226638 9.95282 [  $x*(x^2+4*x+1)/(x^4-2*x^3-7*x^2-2*x+1)$  ogf]

A226639 10.3886 [  $-(6*x^2-4*x+1)/(x-1)^5$  ogf]

A226639 12.4348 [  $-(-18*x^2+4*x-1)/(-6*x^3+10*x^2-5*x+1)$  lgdogf]

A226639 4.10350 [  $\{(-n-4)*a(n+4)+(16+5*n)*a(n+3)+(-24-10*n)*a(n+2)+(24+6*n)*a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5\}$ , ogf]

A226649 10.5812 [  $-x*(2*x^3+x^2+2*x+2)/(x+1)/(x^4+x^2-1)$  ogf]  
A226694 10.9404 [  $(x+1)/(x^2-4098*x+1)$  ogf]  
A226694 5.96750 [  $\{-a(n+2)+4098*a(n+1)-a(n), a(0) = 1, a(1) = 4099\}$ , ogf]  
A226695 10.9404 [  $-(x-1)/(x^2-4098*x+1)$  ogf]  
A226695 5.96750 [  $\{a(n+2)-4098*a(n+1)+a(n), a(0) = 1, a(1) = 4097\}$ , ogf]  
A226699 5.31352 [  $\{a(n+2)-1523*a(n+1)+a(n), a(0) = 2, a(1) = 1523\}$ , ogf]  
A226699 9.16843 [  $-(1523*x-2)/(x^2-1523*x+1)$  ogf]  
A226700 13.5289 [  $x/(x^2-1523*x+1)$  ogf]  
A226700 5.79812 [  $\{a(n+2)-1523*a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A226701 5.31352 [  $\{-a(n+2)+1523*a(n+1)-a(n), a(0) = 1, a(1) = 1524\}$ , ogf]  
A226701 9.74146 [  $(x+1)/(x^2-1523*x+1)$  ogf]  
A226702 5.31352 [  $\{a(n+2)-1523*a(n+1)+a(n), a(0) = 1, a(1) = 1522\}$ , ogf]  
A226702 9.74146 [  $-(x-1)/(x^2-1523*x+1)$  ogf]  
A226710 6.86654 [  $-(x^4+2*x^3+4*x^2+3*x+3)/(x^5+x^4+2*x^3+x^2+2*x-1)$  ogf]  
A226721 8.08893 [  $-(x^7-2*x^6-x^5-2*x^4-x^3-2*x^2-x-2)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A226725 10.1183 [  $-(4*x^3-20*x^2-4*x-4)/(x^4-4*x^3-2*x^2+4*x+1)$  lgdogf]  
A226725 12.6090 [  $(x^2-4*x-1)/(x-1)^3/(x+1)^3$  ogf]  
A226731 3.37792 [  $\{(-4*n^3-50*n^2-208*n-288)*a(n+1)+(n+5)*a(n+2), a(0) = 20, a(1) = 630\}$ , ogf]  
A226737 10.7385 [  $(10*x^2+x-1)/(11*x-1)/(x-1)^2$  ogf]  
A226737 5.91530 [  $\{a(n+3)-13*a(n+2)+23*a(n+1)-11*a(n), a(0) = 1, a(1) = 12, a(2) = 123\}$ , ogf]  
A226737 7.58701 [  $-(110*x^3+132*x^2-54*x+12)/(110*x^4-109*x^3-13*x^2+13*x-1)$  lgdogf]  
A226741 3.93599 [  $\{(-92*n^2-569*n-879)*a(n+1)+(280*n^2+1668*n+1292)*a(n+2)+(-188*n^2-715*n-453)*a(n+3), a(0) = 75, a(1) = 308, a(2) = 807\}$ , ogf]  
A226741 8.65918 [  $(x-3)*(x^2-14*x+25)/(x-1)^5$  ogf]  
A226741 8.65918 [  $-(2*x^3-48*x^2+234*x-308)/(x^4-18*x^3+84*x^2-142*x+75)$  lgdogf]  
A226774 5.04053 [  $-(x+1)*(x^{41}+x^{20}-2*x^{19}+2*x^{18}-2*x^{17}+2*x^{16}-2*x^{14}+2*x^{13}-2*x^{12}+2*x^{11}-x^{10}-x^5-1)/(x-1)/(x^{41}-x^5-1)$  ogf]  
A226782 8.08594 [  $-x^2*(x^6-4*x^2-1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A226783 6.41095 [  $-x*(x^9-x^6-x^5-5*x^4-x^2-2*x-1)/(x-1)^2/(x^4+x^3+x^2+x+1)^2$  ogf]  
A226784 6.69875 [  $-x^4*(x^8-6*x^2-1)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2$  ogf]  
A226785 4.81760 [  $-x*(x^{13}-x^{10}-2*x^9-x^8-2*x^7-7*x^6-x^4-3*x^3-3*x^2-x-1)/(x-1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)^2$  ogf]  
A226786 5.07893 [  $-x^2*(x^{14}-x^{10}-3*x^8-8*x^6-x^4-2*x^2-2)/(x-1)^2/(x+1)^2/(x^2+1)^2/(x^4+1)^2$  ogf]  
A226787 4.30185 [  $-x*(x^{17}-x^{14}-3*x^{12}-x^{11}-3*x^9-9*x^8-x^6-4*x^5-4*x^3-x^2-1)/(x-1)^2/(x^2+x+1)^2/(x^6+x^3+1)^2$  ogf]  
A226796 11.9682 [  $-(170*x^4+220*x^3+162*x^2+49*x+10)/(x-1)$  ogf]  
A226797 11.9144 [  $-(-340*x^3-1320*x^2-1944*x-588)/(85*x^4+440*x^3+972*x^2+588*x+120)$  lgdegf]  
A226797 4.77349 [  $\{a(n+5), a(0) = 10, a(1) = 49, a(2) = 162, a(3) = 220, a(4) = 170\}$ , ogf]  
A226800 7.04753 [  $(x^4-34*x^3+246*x^2-634*x+541)/(x-1)^6$  ogf]  
A226801 5.56082 [  $(x-3)*(x^4-64*x^3+606*x^2-1744*x+1561)/(x-1)^7$  ogf]  
A226804 10.0460 [  $1/(81*x-1)/(3*x-1)/(27*x-1)/(9*x-1)$  ogf]  
A226804 5.82105 [  $-(-236196*x^3+87480*x^2-7020*x+120)/(-59049*x^4+29160*x^3-3510*x^2+120*x-1)$  lgdogf]  
A226845 8.17857 [  $-(x^2-3)*(x^2+1)/(x^5-x^4-2*x^3+2*x^2-3*x+1)$  ogf]  
A226855 12.6348 [  $1/(x+1)+\exp(x)$  lgdegf]  
A226855 35.4469 [  $1/(x+1)+\exp(x)$  lgdegf]  
A226857 6.62629 [  $-x*(x^{10}+x^9+x^8+2*x^7+3*x^6+3*x^5+3*x^4+3*x^3+3*x^2+2*x+1)/(x^6+x^3-1)$  ogf]  
A226861 5.99713 [  $-(-2*x^5-3*x^3-x+2)/(x^6+x^5+x^4-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A226864 5.53009 [  $-(-2*x^7-2*x^5-2*x^4-x^3-2*x^2)/(x^8+x^6-x^2-1)$



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ogf_with_Euler_transform]
A226866 6.39963 [ -(x^5-8*x^4+16*x^3-19*x^2+11*x-4)/(x-1)^6 ogf]
A226867 4.50778 [ -
(x^12+2*x^11-34*x^10+136*x^9-409*x^8+857*x^7-1280*x^6+1353*x^5-1029*x^4+550*x^3-
205*x^2+47*x-7)/(x-1)^12 ogf]
A226892 6.32838 [ -x*(17*x^5-29*x^4-73*x^3+65*x^2+47*x-29)/(x-1)/(x+1)/(x^2-3*x
+1)/(x^2+x-1) ogf]
A226903 6.91469 [ (x^5+5*x^4+10*x^3+20*x^2+13*x+5)/(x+1)^3/(x-1)^4 ogf]
A226910 15.5295 [ -(x^6-x)/(-x^6+x+1) revogf]
A226916 13.1522 [ -x^4*(x+1)*(x^3-x+1)/(x^6+x^2-1) ogf]
A226917 3.14370 [ -(5*x^3-5*x^2+1)/(2*x^2-1)/(2*x-1)^2 ogf]
A226940 6.18454 [ -x*(x^9+3*x^8-6*x^7+2*x^6+4*x^5+4*x^4-2*x^3+6*x^2+3*x+1)/
(x-1)^3/(x+1)^3/(x^2+1)^3 ogf]
A226941 11.1436 [ -1/(x-1)/(6*x-1)/(15*x-1)/(3*x-1)/(10*x-1) ogf]
A226941 5.93715 [ -(-13500*x^4+18000*x^3-6579*x^2+854*x-35)/
(-2700*x^5+4500*x^4-2193*x^3+427*x^2-35*x+1) lgdogf]
A226954 2.83962 [ {a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 12671122464000, a(1) =
50684489856000, a(2) = 114040102176000}, ogf]
A226954 5.46357 [ -12671122464000*(x+1)/(x-1)^3 ogf]
A226956 13.3550 [ (x-1)*(x^2+1)/(x^2-x+1)/(x^2+x-1) ogf]
A226956 7.94391 [ -(x^6-2*x^5+4*x^4-8*x^3+4*x^2-1)/(x^7-x^6+2*x^4-4*x^3+4*x^2-3*x
+1) lgdogf]
A226958 12.0370 [ -2*(x^2+3*x-1)/(x^2+4*x-1)/(x^2-x-1) ogf]
A226958 7.35002 [ -(2*x^5+12*x^4+14*x^3-24*x^2+10*x)/
(x^6+6*x^5+2*x^4-24*x^3-2*x^2+6*x-1) lgdogf]
A226974 14.5945 [ -(x^4-x)/(-x^4+x+1) revogf]
A226976 9.82386 [ -(x-1)*(2*x^2+7*x+1)/(x^2+4*x-1)/(x^2-x-1) ogf]
A226988 3.64750 [ -
(2*x^11-12*x^10+26*x^9-12*x^8-56*x^7+137*x^6-148*x^5+67*x^4+31*x^3-64*x^2+38*x-1
0)/(x-1)^8 ogf]
A227012 6.07020 [ (x^8-2*x^7+5*x^5+5*x^4+6*x^3+7*x^2+x+1)/(x+1)/(x^2+1)/(x-1)^4
ogf]
A227013 5.23426 [ (x^8-3*x^7+2*x^6-4*x^5-20*x^4-23*x^3-22*x^2-2*x-1)/(x^2+x+1)/
(x-1)^5 ogf]
A227014 4.86884 [ (x^8-4*x^7+4*x^6+13*x^5+49*x^4+108*x^3+63*x^2+5*x+1)/(x+1)/
(x-1)^6 ogf]
A227015 5.46854 [ (x^9-3*x^8+3*x^7-2*x^6+4*x^5+5*x^4+4*x^3+8*x^2+2*x+2)/(x+1)/
(x^2+1)/(x-1)^4 ogf]
A227016 4.84810 [ (x^11-3*x^10+3*x^9-x^8+2*x^7+x^6-x^5+4*x^4-2*x^3+4*x^2-x+1)/(x
+1)/(x^2+1)/(x^4+1)/(x-1)^4 ogf]
A227017 10.6646 [ (x^4-3*x^3-2*x^2-x-1)/(x+1)/(x-1)^3 ogf]
A227021 5.90593 [ (x^7-6*x^5+7*x^4-11*x^3+21*x^2-16*x+7)/(x-1)^6 ogf]
A227026 4.32601 [
(145*x^13-607*x^12-1771*x^11+2276*x^10-289*x^9+230*x^8-40*x^7+13*x^6+20*x^5+x^4+
3*x^3+8*x^2+16*x-3)/(x-1)/(x^2-6*x+1) ogf]
A227033 15.6204 [ -(4*x^2-6*x+4)/(x^4-1) ogf_with_Euler_transform]
A227035 15.4653 [ -(x^5-x)/(-x^5+x+1) revogf]
A227036 14.2033 [ 2*(x^2+1)/(x-1)/(2*x^3+x-1) ogf]
A227036 8.54831 [ -(4*x^5-2*x^4+8*x^3-4*x^2-2)/(2*x^6-2*x^5+3*x^4-4*x^3+2*x^2-2*x
+1) lgdogf]
A227037 3.42927 [ {(-n-5)*a(n+1)+(2*n+10)*a(n+2)+(-n-7)*a(n+3)+a(n+4), a(0) = 1,
a(1) = 2, a(2) = 4, a(3) = 12}, ogf]
A227043 4.80804 [
x*(4*x^14+x^13+12*x^12+8*x^11+20*x^10+6*x^9+28*x^8+16*x^7+28*x^6+3*x^5+20*x^4+8*
x^3+12*x^2+2*x+4)/(x-1)^2/(x+1)^2/(x^2+1)^2/(x^4+1)^2 ogf]
A227047 12.5918 [ -x^2*(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1) ogf]
A227056 4.60110 [ -(x^7-9*x^6+35*x^5-77*x^4+103*x^3-84*x^2+40*x-10)/(x-1)^8 ogf]
A227081 3.27315 [ {(-24*n-48)*a(n+1)+(52*n+124)*a(n+2)+(-26*n-86)*a(n+3)+(3*n
+12)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 40}, ogf]
A227081 6.77773 [ 2*(-12*x^2+2*(12*x^2-8*x+1)^(1/2)+16*x-5)/(4*x^2-8*x+3)/(6*x-1)
lgdogf]

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A227085 6.59385 [  $-(x-2)*(x^4-3*x^3+6*x^2-5*x+2)/(x-1)^6$  ogf]  
A227099 4.05649 [  $-(x^{10}-3*x^9+x^8+3*x^7-2*x^6+11*x^5-37*x^4+52*x^3-40*x^2+17*x-4)/(x-1)^8$  ogf]  
A227104 11.4204 [  $-(2*x^3+3*x^2+3*x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A227119 8.75795  
 $(1+2/5*5^{(1/2)})*\exp(1/2*(5^{(1/2)}+1)*x)+(1-2/5*5^{(1/2)})*\exp(-1/2*(5^{(1/2)}-1)*x)$   
lgdegf  
A227121 4.12838 [  $\{(-29*n^2-213*n-378)*a(n+1)+(54*n^2+280*n+246)*a(n+2)+(-25*n^2-83*n-24)*a(n+3), a(0) = 3, a(1) = 7, a(2) = 13\}$ , ogf]  
A227121 8.92110 [  $(2*x^3-8*x^2+8*x-3)/(x-1)^5$  ogf]  
A227121 9.13101 [  $-(-4*x^3+18*x^2-16*x+7)/(-2*x^4+10*x^3-16*x^2+11*x-3)$  lgdogf]  
A227139 10.9947 [  $-(2*x-48)/(x^2-48*x+1)$  lgdogf]  
A227139 16.1686 [  $1/(x^2-48*x+1)$  ogf]  
A227139 6.54445 [  $\{-a(n+2)+48*a(n+1)-a(n), a(0) = 1, a(1) = 48\}$ , ogf]  
A227144 9.68451 [  $(x+1)*(x^4+5*x^3+5*x^2+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A227146 9.75555 [  $(x+1)*(5*x^4+x^2+x+5)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A227148 4.90764 [  $x*(2*x^{12}-x^{11}+2*x^{10}-2*x^9+2*x^8-2*x^7+2*x^6-2*x^5+2*x^4-2*x^3+2*x^2-2*x+3)/(x^4+1)/(x^8-x^4+1)/(x-1)^2$  ogf]  
A227149 4.93230 [  $(x^{13}+2*x^{12}-2*x^{11}+2*x^{10}-2*x^9+2*x^8-2*x^7+2*x^6-2*x^5+2*x^4-2*x^3+2*x^2+1)/(x^4+1)/(x^8-x^4+1)/(x-1)^2$  ogf]  
A227152 5.48992 [  $\{a(n+2)-402*a(n+1)+a(n), a(0) = 1, a(1) = 201\}$ , ogf]  
A227152 9.63537 [  $-(201*x-1)/(x^2-402*x+1)$  ogf]  
A227161 12.5562 [  $-(-x^2-x-3)/(-x^3+2*x^2-2*x+1)$  lgdogf]  
A227161 24.1945 [  $-2*x^5+2*x^2+2*x+3$  ogf\_with\_Euler\_transform]  
A227161 4.07918 [  $\{(n+4)*a(n+4)+(-9-2*n)*a(n+3)+(3+2*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 18\}$ , ogf]  
A227161 8.45894 [  $-(x^2-x+1)^2/(x-1)^5$  ogf]  
A227168 4.23946 [  $-(4*x^{10}+x^9+9*x^8+4*x^7+88*x^6+6*x^5+22*x^4+4*x^3+36*x^2+x+1)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
A227169 4.59619 [  $\{(16*n^3+128*n^2+340*n+300)*a(n+1)+(-n^3-11*n^2-38*n-40)*a(n+2), a(0) = 1, a(1) = 6\}$ , ogf]  
A227175 16.0097 [  $-(8*x^2-12*x+8)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A227187 5.83327 [  $-x*(x^{15}-2*x^{12}+x^7-2*x^6-x^5+x^3-2)/(x^6+x^3+1)/(x^6-x^3+1)/(x-1)^2$  ogf]  
A227200 11.2056 [  $-x*(3*x-1)/(2*x-1)/(x^2+x-1)$  ogf]  
A227200 5.80656 [  $\{-a(n+3)+3*a(n+2)-a(n+1)-2*a(n), a(0) = 0, a(1) = 1, a(2) = 0\}$ , ogf]  
A227200 8.18874 [  $-(12*x^3-3*x^2-2*x)/(6*x^4+x^3-10*x^2+6*x-1)$  lgdogf]  
A227209 11.2126 [  $1/(4*x-1)/(2*x-1)/(x-1)^2$  ogf]  
A227209 8.53496 [  $-(32*x^2-34*x+8)/(8*x^3-14*x^2+7*x-1)$  lgdogf]  
A227216 9.00984 [  $-(2*x^3-x^2+x+3)/(-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A227226 12.5768 [  $-(-4*x^3+4*x^2-2*x-4)/(x^4+x^2+1)$  ogf\_with\_Euler\_transform]  
A227229 16.6886 [  $-(4*x^2-6*x+6)/(-x^3-1)$  ogf\_with\_Euler\_transform]  
A227252 6.38796 [  $(x^6-7*x^5+20*x^4-26*x^3+21*x^2-9*x+2)/(x-1)^6$  ogf]  
A227259 7.90474 [  $-(x^4-6*x^3+9*x^2-8*x+9)/(x^5-6*x^4+13*x^3-14*x^2+9*x-3)$  lgdogf]  
A227259 8.15437 [  $-(x^4-5*x^3+8*x^2-6*x+3)/(x-1)^5$  ogf]  
A227265 7.87277 [  $-(-x^4-4*x^3+18*x^2-16*x+8)/(-x^5+x^4+6*x^3-13*x^2+10*x-3)$  lgdogf]  
A227265 9.04916 [  $(x^4-6*x^2+7*x-3)/(x-1)^5$  ogf]  
A227273 10.1831 [  $-1/(x-1)/(4*x-1)/(20*x-1)/(35*x-1)/(10*x-1)$  ogf]  
A227300 13.9694 [  $-(x^3-x-1)/(x^6-2*x^3-x+1)$  ogf]  
A227316 5.47208 [  $-x*(x^6+3*x^5+9*x^2-3*x+2)/(x-1)^3/(x^2+1)^3$  ogf]  
A227317 17.4305 [  $-(-8*x+2)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A227327 7.55822 [  $-x*(x^3-x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A227327 9.01833 [  $-(-4*x^4+2*x^3-6*x^2-8*x-4)/(-x^5+x^4-2*x^2+x+1)$  lgdogf]  
A227329 4.13850 [  $-(2*x^9-13*x^8+30*x^7-37*x^6+43*x^5-69*x^4+84*x^3-58*x^2+21*x-4)/(x-1)^8$  ogf]  
A227347 9.90430 [  $x*(3*x^2+4*x+3)/(x+1)/(x^2+x+1)/(x-1)^4$  ogf]

A227353 10.0882 [  $-x^*(x^3+x^2+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A227356 7.94269 [  $-(x^2-x+1)*(x+1)/(x-1)/(x^2+x-1)/(x^4+x^2-1)$  ogf]  
A227375 5.62929 [  $-(x^4+x-1)*(x^5+x^4+x^3-x-1)/(x-1)/(x^4+x^3+x^2+x+1)/(x^7+x^6+x^5-x^3-x^2-x+1)$  ogf]  
A227376 13.7340 [  $1/(x^7+x^6+x^5-x^3-x^2-x+1)$  ogf]  
A227376 7.97062 [  $-(-7*x^6-6*x^5-5*x^4+3*x^2+2*x+1)/(-x^7-x^6-x^5+x^3+x^2+x-1)$  lgdogf]  
A227380 7.24181 [  $x^*(x^4+5*x^2-2*x+2)/(x-1)^2/(x^2+1)^2$  ogf]  
A227392 5.18171 [  $(2*x^9+3*x^8+3*x^7-4*x^6-2*x^4-3*x^3-2*x^2-2*x-1)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
A227394 7.05657 [  $-(x^{15}-x^{14}+x^8-x^7-x^5-x^4-x^3-x^2-1)/(x^2-x+1)/(x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A227395 5.43153 [  $-(-2*x^{17}-2*x^{16}+x^{15}-x-2)/(x^{18}-x^{16}+x^2-1)$  ogf\_with\_Euler\_transform]  
A227398 9.40387 [  $-(x^{10}-x^9+x^6+x^4-x+1)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]  
A227404 10.5223 [  $-(2*x-8)/(-x^3+5*x^2-10*x+6)$  lgdegf]  
A227404 9.37141 [  $1/12*x^2*(x^2-4*x+6)/(x-1)^2$  egf]  
A227417 12.1298 [  $-(7*x^3-3*x^2-4*x-1)/(x^2+x+1)/(x-1)^2$  ogf]  
A227417 5.04189 [  $\{(-n-16)*a(n+1)-a(n+2)-a(n+3)+(n+15)*a(n+4), a(0) = 1, a(1) = 5, a(2) = 8, a(3) = 2\}$ , ogf]  
A227430 8.21223 [  $x^2*(x-1)^3/(2*x-1)/(x^2-x+1)/(3*x^2-3*x+1)$  ogf]  
A227438 11.0017 [  $-2*(3*x^2+2)/(6*x^3-2*x^2+4*x-1)$  ogf]  
A227438 5.50086 [  $\{a(n+3)-4*a(n+2)+2*a(n+1)-6*a(n), a(0) = 4, a(1) = 16, a(2) = 62\}$ , ogf]  
A227438 6.81628 [  $-(-18*x^4-24*x^2+2*x-8)/(-18*x^5+6*x^4-24*x^3+7*x^2-8*x+2)$  lgdogf]  
A227451 10.8808 [  $x^*(4*x^3-3*x^2+x+1)/(x-1)/(4*x-1)/(x+1)$  ogf]  
A227451 5.47791 [  $\{-a(n+5)+4*a(n+4)+a(n+3)-4*a(n+2), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 18, a(4) = 77\}$ , ogf]  
A227451 7.28713 [  $-(-8*x^4+40*x^3-13*x^2+4*x-5)/(16*x^6-16*x^5-9*x^4+19*x^3-8*x^2-3*x+1)$  lgdogf]  
A227463 15.1237 [  $\exp(-x)*\operatorname{arcsinh}(x)$  revegf]  
A227464 16.7097 [  $\exp(-x)*\sin(x)$  revegf]  
A227465 15.8863 [  $\exp(-x)*\arctan(x)$  revegf]  
A227482 10.0034 [  $27*(1102*x^2+1849*x+172)/(2*x-1)/(x-1)/(4*x-1)^2$  ogf]  
A227482 6.46375 [  $-(-17632*x^4-31152*x^3+45876*x^2-2720*x-3741)/(-8816*x^5+636*x^4+16796*x^3-9433*x^2+645*x+172)$  lgdogf]  
A227483 8.43305 [  $-3*(134852*x^3+651387*x^2+252978*x+7843)/(2*x-1)/(x-1)/(4*x-1)^3$  ogf]  
A227484 7.09550 [  $2*(33200*x^4+419644*x^3-66470*x^2-52522*x-213)/(x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A227485 4.02416 [  $-(2325120*x^6+35155008*x^5+8025448*x^4-23338464*x^3+4259002*x^2+772926*x+1165)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A227486 6.65189 [  $-2*(15360*x^4-37248*x^3+36008*x^2-14510*x+2649)/(x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A227487 4.55217 [  $-(790528*x^6-2547712*x^5+3259584*x^4-2480544*x^3+1033772*x^2-252180*x+34255)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A227488 4.73789 [  $4*(352*x^4+33888*x^3+8782*x^2-11847*x-548)/(x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A227489 3.32711 [  $(9728*x^6-5562240*x^5-6785696*x^4+8367736*x^3-522036*x^2-614326*x-9801)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A227490 6.54946 [  $9*(424*x^3+5760*x^2+3111*x+74)/(2*x-1)/(x-1)/(4*x-1)^2$  ogf]  
A227491 5.07711 [  $-12*(1540*x^4+91627*x^3+145386*x^2+23051*x+161)/(2*x-1)/(x-1)/(4*x-1)^3$  ogf]  
A227492 5.57619 [  $9*(192*x^4+1056*x^3-452*x^2-280*x-3)/(x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A227493 4.66199 [  $6*(768*x^6-36032*x^5+39056*x^4+42748*x^3-17332*x^2-2309*x-7)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]

A227494 5.20765 [  $-3*(8192*x^4+576*x^3+5624*x^2+78*x+479)/(x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A227495 3.96394 [  $-3*(137216*x^6-886208*x^5-605152*x^4-65180*x^3+140000*x^2+14665*x+1599)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A227496 5.17469 [  $-2*(198144*x^4-497024*x^3+453464*x^2-185730*x+29139)/(x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A227497 3.48470 [  $-(18911232*x^6-62611456*x^5+84286784*x^4-59759584*x^3+24097588*x^2-5391180*x+535169)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A227508 8.63068 [  $-(2*x^28-2*x^26+x^22-x^20+5*x^13-5*x^12-1)/(x-1)^2$  ogf]  
A227512 5.67176 [  $(x^7+8*x^6+63*x^5+72*x^4+72*x^3+72*x^2+62*x+10)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A227513 5.97253 [  $(10*x^6+62*x^5+73*x^4+70*x^3+73*x^2+62*x+10)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A227524 15.3128 [  $-1/(3*x-1)/(27*x-1)/(9*x-1)$  ogf]  
A227524 5.31520 [  $\{a(n+3)-39*a(n+2)+351*a(n+1)-729*a(n), a(0) = 1, a(1) = 39, a(2) = 1170\}$ , ogf]  
A227524 8.57519 [  $-(2187*x^2-702*x+39)/(729*x^3-351*x^2+39*x-1)$  lgdogf]  
A227528 11.8878 [  $4*\text{hypergeom}([4/3, 5/3], [1/2], 27/8*x)$ , egf]  
A227528 6.19365 [  $\{(-27*n^2-135*n-168)*a(n+1)+(8*n+12)*a(n+2), a(0) = 4, a(1) = 60\}$ , ogf]  
A227541 11.4108 [  $-x*(3*x^2+7*x+3)/(x+1)/(x-1)^3$  ogf]  
A227541 9.88935 [  $-(6*x^3+27*x^2+32*x+13)/(3*x^4+7*x^3-7*x-3)$  lgdogf]  
A227542 12.5743 [  $x^2*(2*x^5-3*x^4+x^3+2*x^2-x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A227545 11.7581 [  $-(-x^3+x^2+x+1)/(-x^4+2*x^2-1)$  lgdegf]  
A227545 3.66766 [  $\{(n+5)*a(n+5)-a(n+4)+(-7-2*n)*a(n+3)-a(n+2)+(n+2)*a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5/3, a(4) = 5/3\}$ , egf]  
A227554 6.39963 [  $-(x^5-8*x^4+17*x^3-21*x^2+12*x-4)/(x-1)^6$  ogf]  
A227582 7.49800 [  $(x+1)*(x^5-2*x^4-x^3-x^2-x-2)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A227595 8.31900 [  $-(-3*x^5-2*x^4-x^3+x^2-x-2)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A227624 4.23699 [  $\{(128*n^3+832*n^2+1784*n+1260)*a(n+1)+(-27*n^2-81*n-60)*a(n+2), a(0) = 2, a(1) = 60\}$ , ogf]  
A227637 7.53530 [  $-(x^5-x^4-2*x^3+6*x^2-5*x+2)/(x-1)^5$  ogf]  
A227653 10.8176 [  $-(3*x^3+x^2+3*x-8)/(x-1)/(x^3+x^2+2*x-1)$  ogf]  
A227665 11.3016 [  $-(2*x^2-4*x-6)/(2*x^3+5*x^2-8*x+1)$  lgdogf]  
A227665 16.0734 [  $(x-1)/(2*x^2+7*x-1)$  ogf]  
A227665 8.82077 [  $\{-a(n+2)+7*a(n+1)+2*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A227666 4.75503 [  $\{-a(n+4)+40*a(n+3)-89*a(n+2)+220*a(n+1), a(0) = 1, a(1) = 24, a(2) = 896, a(3) = 33904\}$ , ogf]  
A227666 8.94697 [  $(20*x^3-25*x^2+16*x-1)/(220*x^3-89*x^2+40*x-1)$  ogf]  
A227675 5.56794 [  $-(x^6-5*x^5+14*x^4-23*x^3+22*x^2-12*x+4)/(x-1)^7$  ogf]  
A227695 17.2206 [  $-(-8*x-10)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A227696 6.02538 [  $-(-2*x^7-x^6+2*x^5+2*x^4-x^3-2*x^2-2*x+1)/(x^8+x^4+1)$  ogf\_with\_Euler\_transform]  
A227699 4.86316 [  $-(794944*x^4-1488480*x^3+1048900*x^2-309300*x+34081)/(x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A227700 3.67031 [  $-(45232640*x^6-120811392*x^5+131188512*x^4-75420072*x^3+24021228*x^2-4069110*x+299671)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A227701 5.49610 [  $-3*(673216*x^4-1140192*x^3+694732*x^2-176880*x+16093)/(x-1)/(4*x-1)^2/(2*x-1)^2$  ogf]  
A227702 3.42002 [  $-2*(66777344*x^6-165722176*x^5+167355376*x^4-87769804*x^3+25124080*x^2-3726067*x+224954)/(x-1)/(4*x-1)^3/(2*x-1)^3$  ogf]  
A227703 3.71944 [  $\{(27*n^2+172*n+236)*a(n+1)+(40*n^2+575*n+1365)*a(n+2)+(-67*n^2-465*n-792)*a(n+3), a(0) = 52, a(1) = 150, a(2) = 328\}$ , ogf]  
A227703 8.33668 [  $-(-5*x^3+25*x^2-47*x+75)/(-5*x^4+25*x^3-49*x^2+55*x-26)$  lgdogf]  
A227703 8.95421 [  $-2*(5*x^3-20*x^2+29*x-26)/(x-1)^4$  ogf]  
A227704 7.03341 [  $-(15*x^4-75*x^3+147*x^2-137*x+82)/(x-1)^5$  ogf]  
A227705 3.09105 [  $\{(-32*n-136)*a(n+1)+(56*n+230)*a(n+2)+(-28*n-107)*a(n+3)+(4*n$

+13)\*a(n+4), a(0) = 198, a(1) = 3834, a(2) = 34434, a(3) = 230418}, ogf]  
A227705 8.50039 [ 18\*(4\*x+11)\*(8\*x+1)/(2\*x-1)/(x-1)/(4\*x-1)^2 ogf]  
A227706 6.58993 [ -9\*(384\*x^3+1808\*x^2+1040\*x+53)/(2\*x-1)/(x-1)/(4\*x-1)^3 ogf]  
A227707 12.0007 [ -6\*(8\*x^2-7\*x+2)/(2\*x-1)/(4\*x-1)^2 ogf]  
A227707 6.75670 [{a(n+3)-10\*a(n+2)+32\*a(n+1)-32\*a(n), a(0) = 12, a(1) = 78, a(2) = 444}, ogf]  
A227707 9.03424 [ -(64\*x^3-96\*x^2+60\*x-13)/(64\*x^4-104\*x^3+66\*x^2-19\*x+2) lgdogf]  
A227708 5.76284 [ -6\*(288\*x^4-560\*x^3+408\*x^2-123\*x+14)/(x-1)/(4\*x-1)^2/(2\*x-1)^2 ogf]  
A227709 4.25499 [ -3\*(7168\*x^6-19328\*x^5+21456\*x^4-12636\*x^3+4100\*x^2-705\*x+53)/(x-1)/(4\*x-1)^3/(2\*x-1)^3 ogf]  
A227710 4.35049 [ -36\*(2304\*x^4-4520\*x^3+3006\*x^2-3099\*x+1310)/(x-1)/(4\*x-1)^2/(2\*x-1)^2 ogf]  
A227711 3.74109 [ -3\*(762880\*x^6-2158592\*x^5+2889984\*x^4-612832\*x^3-400012\*x^2-183720\*x+134643)/(x-1)/(4\*x-1)^3/(2\*x-1)^3 ogf]  
A227712 13.0675 [ -(5\*x^2-6\*x+4)/(2\*x-1)/(x-1)^2 ogf]  
A227712 6.99228 [{a(n+3)-4\*a(n+2)+5\*a(n+1)-2\*a(n), a(0) = 4, a(1) = 10, a(2) = 25}, ogf]  
A227712 9.05818 [ -(10\*x^3-14\*x^2+20\*x-10)/(10\*x^4-27\*x^3+31\*x^2-18\*x+4) lgdogf]  
A227719 8.19586 [ (x^5-2\*x^4-6\*x^3-6\*x^2-6\*x-5)/(x+1)/(x^2+1)/(x-1)^3 ogf]  
A227720 8.90088 [ -(x^4+5\*x^3+7\*x^2+6\*x+5)/(x+1)/(x^2+1)/(x-1)^3 ogf]  
A227721 12.2037 [ -(-2\*x^2+10\*x-44)/(-2\*x^3+9\*x^2-24\*x+17) lgdogf]  
A227721 13.3847 [ -(2\*x^2-7\*x+17)/(x-1)^3 ogf]  
A227721 7.21610 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 17, a(1) = 44, a(2) = 83}, ogf]  
A227726 6.40850 [ {(-27\*n^2-27\*n-6)\*a(n)+(4\*n^2+6\*n+2)\*a(n+1), a(0) = 1, a(1) = 4}, ogf]  
A227728 4.24951 [ -(4\*x^9-4\*x^8+3\*x^7-4\*x^6+3\*x^5-4\*x^4+3\*x^3-4\*x^2+7\*x-10)/(x-1)/(2\*x^9+2\*x^7+2\*x^5+2\*x^3+4\*x-1) ogf]  
A227747 6.59555 [ -(x^5-5\*x^3-11\*x^2-9\*x-4)/(x^6-x^5-4\*x^4-8\*x^3-4\*x^2-x+1) ogf]  
A227776 12.4582 [ -(-x^2-10\*x-25)/(-x^3-3\*x^2-3\*x+7) lgdogf]  
A227776 13.4793 [ -(x^2+4\*x+7)/(x-1)^3 ogf]  
A227776 7.21262 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 7, a(1) = 25, a(2) = 55}, ogf]  
A227786 12.3653 [ (x^3+x^2-5\*x-1)/(x+1)/(x-1)^3 ogf]  
A227786 8.70619 [ -(-x^4-4\*x^3+10\*x^2+12\*x+7)/(-x^5-x^4+6\*x^3+2\*x^2-5\*x-1) lgdogf]  
A227792 9.82888 [ -(3\*x^4+x^3-17\*x^2-6\*x-1)/(x^2+2\*x-1)/(x^2-2\*x-1) ogf]  
A227804 9.70281 [ -(8\*x^3-12\*x^2+18\*x-15)/(x-1)/(x^3-x^2+2\*x-1) ogf]  
A227805 11.6789 [ -2\*(2\*x^2+4\*x+1)/(x-1)/(x+1)^2 ogf]  
A227805 6.41815 [ {-a(n+3)-a(n+2)+a(n+1)+a(n), a(0) = 2, a(1) = 6, a(2) = 0}, ogf]  
A227805 8.90519 [ -(-2\*x^3-6\*x^2-3\*x-3)/(-2\*x^4-4\*x^3+x^2+4\*x+1) lgdogf]  
A227816 5.03140 [ -(6\*x^8-10\*x^7+8\*x^6-9\*x^5-3\*x^4+5\*x^3-4\*x^2-7\*x+16)/(x-1)/(x^8-x^7+x^6-x^5-x^4-x^2-2\*x+1) ogf]  
A227824 9.16355 [ -(2\*x^3+(8\*x^5-4\*x^4+x^2-2\*x+1)^(1/2))/(4\*x^4-1)\*x revogf]  
A227832 5.16053 [ {-a(n+3)-a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = -1}, ogf]  
A227832 9.47507 [ -(2\*x^2+5\*x+1)/(x-1)/(x+1)^2 ogf]  
A227849 7.82384 [ x\*(x+1)\*(x^6-3\*x^5+x^4-x^3+x^2-3\*x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3 ogf]  
A227860 7.88857 [ -x^2\*(3\*x^7+2\*x^4+3\*x^3+x^2+2\*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1) ogf]  
A227863 12.9444 [ (71\*x^2+48\*x+1)/(x+1)/(x-1)^2 ogf]  
A227863 7.09130 [{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 49, a(2) = 121}, ogf]  
A227863 9.06111 [ -(-71\*x^3-167\*x^2-193\*x-49)/(-71\*x^4-48\*x^3+70\*x^2+48\*x+1) lgdogf]  
A227896 7.61624 [ -(x^16+3\*x^15+4\*x^14-4\*x^12+x^11-4\*x^10+4\*x^9-x^8+4\*x^7-4\*x^6+x^5-4\*x^4+4\*x^2+3\*x+1)/(x-1)/(x^16+1) ogf]

A227900 11.2266 [  $[-(-12*x^4-9*x^3-9*x^2-9*x-9)/(x^5-1)$  ogf\_with\_Euler\_transform]
  
A227901 9.67882 [  $[-(-12*x^4-3*x^3-3*x^2-3*x-3)/(x^5-1)$  ogf\_with\_Euler\_transform]
  
A227906 11.5271 [  $[-(x^5-x^3-4*x-2)/(x+1)^2/(x-1)^2$  ogf]
  
A227917 10.0024 [  $[1/2-1/2*exp(2/(x+1))/exp(2)$  reveqf]
  
A227918 5.02826 [  $\{(-n-4)*a(n+1)+a(n+2)+(n+6)*a(n+3)-a(n+4), a(0) = 1, a(1) = 0,$   
 $a(2) = 5, a(3) = 22\}$ , ogf]
  
A227937 147.323  $x+1/2*x^2$  lgdegf
  
A227937 47.7318 [  $x+1/2*x^2$  lgdegf]
  
A227937 8.73523 [  $\{(n^2+5*n+6)*a(n+1)+(2*n+6)*a(n+2)-2*a(n+4), a(0) = 1, a(1) =$   
 $0, a(2) = 1, a(3) = 1\}$ , ogf]
  
A227959 12.2101 [  $-(x+1)/(4*x^5+2*x^4+2*x^3+4*x^2-1)$  ogf]
  
A227965 7.77201 [  $-(2*x^4+8*x^3-6*x^2+2*x-11)/(x-1)/(x^4+5*x^3+2*x^2+4*x-1)$  ogf]
  
A227970 7.76080 [  $-x^2*(x^4+4*x^3+14*x^2+4*x+1)/(x+1)^3/(x-1)^5$  ogf]
  
A227970 8.32522 [  $-(4*x^5+22*x^4+96*x^3+68*x^2+44*x+6)/$   
 $(x^6+4*x^5+13*x^4-13*x^2-4*x-1)$  lgdogf]
  
A227972 7.22336 [  $-(2*x^11-x^10-x^9+x^8-4*x^7+3*x^6-2*x^5-x^4-x^3-x^2-1)/$   
 $(x^6+2*x^3-1)/(x^6-2*x^3-1)$  ogf]
  
A227978 7.98944 [  $(2*x^5-2*x^4-x^3+5*x^2-4*x+1)/(2*x-1)^2/(x-1)^2$  ogf]
  
A228002 3.86812 [  $\{(-16*n^2-80*n-100)*a(n+1)+(-15*n^2-74*n-91)*a(n+2)+(n^2+6*n$   
 $+9)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 33\}$ , ogf]
  
A228012 6.72763 [  $(x^9-2*x^7-x^6+x^5+x^4-3*x-1)/(x+1)^2/(x^2+1)/(x-1)^3$  ogf]
  
A228016 10.4641 [  $-(5*x^2-55*x+54)/(x-1)/(x^2-10*x+1)$  ogf]
  
A228016 5.66805 [  $\{-a(n+3)+11*a(n+2)-11*a(n+1)+a(n), a(0) = 54, a(1) = 539, a(2)$   
 $= 5340\}$ , ogf]
  
A228016 5.91449 [  $-(5*x^4+110*x^3-712*x^2+1178*x-539)/$   
 $(-5*x^5+110*x^4-714*x^3+1204*x^2-649*x+54)$  lgdogf]
  
A228017 6.30785 [[2] ogf\_with\_Euler\_transform]
  
A228025 11.5520 [  $-(5*x^2-24*x+20)/(x-1)/(x^2-4*x+1)$  ogf]
  
A228025 6.27391 [  $\{a(n+3)-5*a(n+2)+5*a(n+1)-a(n), a(0) = 20, a(1) = 76, a(2) =$   
 $285\}$ , ogf]
  
A228025 6.61612 [  $-(5*x^4+48*x^3-155*x^2+190*x-76)/$   
 $(-5*x^5+49*x^4-165*x^3+225*x^2-124*x+20)$  lgdogf]
  
A228052 10.0084 [  $-42212277303475883571*x^8+42212277303475883571*x^7+2$   
ogf\_with\_Euler\_transform]
  
A228078 11.2946 [  $x^2*(3*x-2)/(2*x-1)/(x-1)/(x^2+x-1)$  ogf]
  
A228078 7.64045 [  $-(18*x^4+22*x^3+6*x^2-16*x+5)/$   
 $(-6*x^5+7*x^4+10*x^3-20*x^2+11*x-2)$  lgdogf]
  
A228080 3.50976 [  $\{(-3125*n^4-25000*n^3-74375*n^2-97500*n-47520)*a(n$   
 $+1)+(n^4+8*n^3+24*n^2+32*n+16)*a(n+2), a(0) = 1, a(1) = 2520\}$ , ogf]
  
A228081 14.1518 [  $-(65*x-2)/(64*x-1)/(x-1)$  ogf]
  
A228081 7.99159 [  $\{a(n+2)-65*a(n+1)+64*a(n), a(0) = 2, a(1) = 65\}$ , ogf]
  
A228081 8.70878 [  $-(4160*x^2+256*x-65)/(-4160*x^3+4353*x^2-195*x+2)$  lgdogf]
  
A228105 4.73523 [  $-432*x*(x+1)*(x^4+56*x^3+246*x^2+56*x+1)/(x-1)^7$  ogf]
  
A228124 6.88354 [  $(x^5+4*x^4+22*x^3+13*x^2+13*x+1)/(x+1)^3/(x-1)^4$  ogf]
  
A228137 13.4016 [  $(8*x^2+3*x+1)/(x+1)/(x-1)^2$  ogf]
  
A228137 7.23447 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 13\}$ ,  
ogf]
  
A228137 9.96945 [  $-(8*x^3+14*x^2+22*x+4)/(8*x^4+3*x^3-7*x^2-3*x-1)$  lgdogf]
  
A228138 8.07776 [  $(3*x^5-3*x^4-12*x^3+x^2-9*x-4)/(x+1)^2/(x-1)^3$  ogf]
  
A228141 13.3180 [  $(15*x^2+4*x+1)/(x+1)/(x-1)^2$  ogf]
  
A228141 7.30725 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 21\}$ ,  
ogf]
  
A228141 9.71434 [  $-(15*x^3+23*x^2+37*x+5)/(15*x^4+4*x^3-14*x^2-4*x-1)$  lgdogf]
  
A228142 7.87816 [  $-(24*x^4-33*x^3-123*x^2-39*x-21)/$   
 $(-12*x^5-7*x^4-8*x^3+6*x^2+20*x+1)$  lgdogf]
  
A228142 9.41757 [  $-(12*x^3+7*x^2+20*x+1)/(x+1)^2/(x-1)^3$  ogf]
  
A228157 6.47126 [  $-$   
 $(x^9-12*x^8-11*x^7-11*x^6-11*x^5-11*x^4-11*x^3-11*x^2-11*x-12)/(x^2+x+1)/$   
 $(x^6+x^3+1)/(x-1)^2$  ogf]
  
A228158 14.0349 [  $2*(8*x+1)/(x-1)/(x+1)/(10*x^2-1)$  ogf]
  
A228158 6.95061 [  $-(240*x^4-40*x^3+88*x^2+22*x+8)/$

$(-80*x^5-10*x^4+88*x^3+11*x^2-8*x-1)$  lgdogf]  
A228173 17.1514  $[x-1+\exp(-x^2)$  revegef]  
A228197 4.07515  $[ \{ (-32*n-48)*a(n+1)+(32*n+60)*a(n+2)+(-10*n-24)*a(n+3)+(n+3)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 36 \},$  ogf]  
A228203 6.45806  $[ -4*(x-1)*(3*x^6+13*x^5+68*x^4+260*x^3+68*x^2+13*x+3)/(x^4-36*x^2-1)/(x^4+36*x^2-1)$  ogf]  
A228204 6.35381  $[ (x+1)*(3*x^6+8*x^5+53*x^4+160*x^3+53*x^2+8*x+3)/(x^4-36*x^2-1)/(x^4+36*x^2-1)$  ogf]  
A228205 7.22392  $[ -(x-1)*(11*x^6+26*x^5+50*x^4+91*x^3+50*x^2+26*x+11)/(x^4+3*x^2-1)/(x^4-3*x^2-1)$  ogf]  
A228206 7.82177  $[ (x+1)*(x^6+2*x^5+4*x^4+7*x^3+4*x^2+2*x+1)/(x^4+3*x^2-1)/(x^4-3*x^2-1)$  ogf]  
A228207 11.5815  $[ -2*(x-1)*(7*x^2+15*x+7)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A228208 12.1440  $[ (x+1)*(x^2+x+1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A228209 9.03448  $[ -(7*x^5+13*x^4+57*x^3-13*x^2-7*x-3)/(x^6-38*x^3+1)$  ogf]  
A228210 12.2771  $[ -(x-1)*(7*x^2+15*x+7)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A228212 9.13130  $[ -(72*x^4+36*x^3-8*x^2-4*x-9)/(3*x-1)/(2*x-1)$  ogf]  
A228213 6.15117  $[ -(1728*x^6+1584*x^5+504*x^4-12*x^3-60*x^2-12*x-13)/(4*x-1)/(3*x-1)$  ogf]  
A228214 4.42844  $[ -(57600*x^8+66240*x^7+33408*x^6+8688*x^5+624*x^4-384*x^3-176*x^2-24*x-17)/(5*x-1)/(4*x-1)$  ogf]  
A228219 11.7077  $[ -(-x^2-10*x-49)/(-x^3-3*x^2-11*x+15)$  lgdogf]  
A228219 12.8407  $[ -(x^2+4*x+15)/(x-1)^3$  ogf]  
A228219 6.86314  $[ \{ a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 15, a(1) = 49, a(2) = 103 \},$  ogf]  
A228220 8.13234  $[ -(-x^3+27*x^2+255*x+199)/(-x^4+16*x^3+60*x^2-44*x-31)$  lgdogf]  
A228220 9.04722  $[ -(x^3-15*x^2-75*x-31)/(x-1)^4$  ogf]  
A228221 7.16802  $[ -(x^4-30*x^3+456*x^2+350*x+63)/(x-1)^5$  ogf]  
A228222 5.43347  $[ -(x^5+475*x^4-2168*x^3-3604*x^2-1297*x-127)/(x-1)^6$  ogf]  
A228223 4.23974  $[ -(x^6-4616*x^5+8989*x^4+31136*x^3+20195*x^2+4520*x+255)/(x-1)^7$  ogf]  
A228224 3.49217  $[ -(x^7+40313*x^6-16749*x^5-252785*x^4-256585*x^3-103401*x^2-15083*x-511)/(x-1)^8$  ogf]  
A228229 4.24982  $[ \{ (n^2+5*n+6)*a(n+1)+(-n^2-7*n-13)*a(n+2)+a(n+3), a(0) = 1, a(1) = 3, a(2) = 19 \},$  ogf]  
A228230 4.15371  $[ \{ (-n^2-5*n-6)*a(n+1)+(n^2+7*n+14)*a(n+2)-2*a(n+3), a(0) = 1, a(1) = 2, a(2) = 7 \},$  ogf]  
A228254 8.44492  $[ -(264*x^4+188*x^3-8*x^2-58*x-17)/(3*x-1)/(2*x-1)$  ogf]  
A228255 5.75418  $[ -(768*x^6+2720*x^5+8488*x^4-184*x^3-578*x^2-144*x-25)/(4*x-1)/(3*x-1)$  ogf]  
A228256 4.90740  $[ -(57600*x^7+163840*x^6+86008*x^5+35854*x^4-6844*x^3-1994*x^2-268*x-33)/(5*x-1)/(4*x-1)$  ogf]  
A228261 10.9398  $[ -(6*x^3-17*x^2+50*x+31)/(x-1)^3$  ogf]  
A228261 5.66665  $[ \{ a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 31, a(1) = 143, a(2) = 319, a(3) = 565 \},$  ogf]  
A228261 9.97044  $[ -(-x^2-66*x-143)/(-6*x^4+23*x^3-67*x^2+19*x+31)$  lgdogf]  
A228262 6.15257  $[ -(40*x^7-80*x^6-30*x^5+84*x^4+151*x^3-405*x^2-369*x-63)/(x-1)^4$  ogf]  
A228263 3.28391  $[ -(648*x^12-1952*x^11+1016*x^10+1856*x^9-1496*x^8-514*x^7-1188*x^6+4468*x^5-5211*x^4+2970*x^3+4908*x^2+1424*x+127)/(x-1)^5$  ogf]  
A228278 9.53820  $[ -(x^3-x-2)/(x+1)/(x^4-x^3-3*x^2-2*x+1)$  ogf]  
A228279 5.34877  $[ (x-1)*(2*x^3-5*x^2-6*x-3)/(x^8-3*x^7+x^6+6*x^5-4*x^4-15*x^3-10*x^2-x+1)$  ogf]  
A228290 6.18707  $[ -6*x*(7*x^4+42*x^3+56*x^2+14*x+1)/(x-1)^7$  ogf]  
A228290 7.04639  $[ -(21*x^4+196*x^3+406*x^2+196*x+21)/(7*x^5+35*x^4+14*x^3-42*x^2-13*x-1)$  lgdogf]  
A228291 4.95453  $[ x*(x^6+78*x^5+981*x^4+2332*x^3+1443*x^2+198*x+7)/(x-1)^8$  ogf]

A228292 4.34831 [  $-2*x*(85*x^6+1695*x^5+7134*x^4+8254*x^3+2769*x^2+219*x+4)/(x-1)^9$  ogf]  
A228293 3.45054 [  $x*(x^8+332*x^7+11388*x^6+77356*x^5+153950*x^4+99204*x^3+19708*x^2+932*x+9)/(x-1)^{10}$  ogf]  
A228305 11.4897 [  $-(8*x^2+10*x+4)/(-2*x^4+8*x^3+7*x^2-4*x-3)$  lgdogf]  
A228305 17.1173 [  $(x^2-4*x-3)/(2*x^2-1)$  ogf]  
A228305 9.98510 [  $\{a(n+3)-2*a(n+1), a(0) = 3, a(1) = 4, a(2) = 5\}$ , ogf]  
A228306 3.95680 [  $\{(9*n^2+81*n+126)*a(n+1)+(-29*n^2-285*n-586)*a(n+2)+(20*n^2+160*n+300)*a(n+3), a(0) = 75, a(1) = 165, a(2) = 315\}$ , ogf]  
A228306 7.37579 [  $-3*(9*x^4-43*x^3+80*x^2-70*x+25)/(x-1)^5$  ogf]  
A228307 3.96944 [  $\{(13*n^2+117*n+182)*a(n+1)+(-34*n^2-317*n-633)*a(n+2)+(21*n^2+168*n+315)*a(n+3), a(0) = 105, a(1) = 225, a(2) = 420\}$ , ogf]  
A228307 7.44269 [  $-3*(13*x^4-62*x^3+115*x^2-100*x+35)/(x-1)^5$  ogf]  
A228310 10.2420 [  $-2*(32*x^2-24*x+5)/(4*x-1)^3$  ogf]  
A228310 5.76648 [  $\{a(n+3)-12*a(n+2)+48*a(n+1)-64*a(n), a(0) = 10, a(1) = 72, a(2) = 448\}$ , ogf]  
A228310 9.27312 [  $(-(-128*x^2+128*x-36)/(-128*x^3+128*x^2-44*x+5))$  lgdogf]  
A228316 3.64291 [  $-2*x*(x^8+7*x^7+74*x^6+132*x^5+280*x^4+183*x^3+132*x^2+26*x+5)/(x+1)^5/(x-1)^7$  ogf]  
A228317 16.2934 [  $-(8*x+7)/(2*x^2-x-1)$  lgdogf]  
A228317 5.28434 [  $\{(n+1)*a(n+3)+(-7+n)*a(n+2)+(-6-2*n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 3\}$ , ogf]  
A228317 9.89977 [  $-3*x^2*(2*x+1)/(x-1)^5$  ogf]  
A228318 10.0467 [  $-(5*x^2-12*x+15)/(x-1)^3$  ogf]  
A228318 5.50383 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 15, a(1) = 33, a(2) = 59\}$ , ogf]  
A228318 9.17306 [  $(-(-5*x^2+14*x-33)/(-5*x^3+17*x^2-27*x+15))$  lgdogf]  
A228319 10.4411 [  $(-(-7*x^2+16*x-45)/(-7*x^3+22*x^2-35*x+20))$  lgdogf]  
A228319 11.4354 [  $-(7*x^2-15*x+20)/(x-1)^3$  ogf]  
A228319 6.26463 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 20, a(1) = 45, a(2) = 82\}$ , ogf]  
A228320 10.6079 [  $-(138*x^2-329*x+203)/(x-1)^3$  ogf]  
A228320 6.02314 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 203, a(1) = 280, a(2) = 369\}$ , ogf]  
A228320 9.11194 [  $(-(-138*x^2+382*x-280)/(-138*x^3+467*x^2-532*x+203))$  lgdogf]  
A228321 10.0624 [  $(-(-11*x^2-8*x+33)/(x^4+7*x^3-20*x^2+27*x-15))$  lgdogf]  
A228321 10.9128 [  $-(x^3+8*x^2-12*x+15)/(x-1)^3$  ogf]  
A228321 5.65553 [  $\{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 15, a(1) = 33, a(2) = 62, a(3) = 103\}$ , ogf]  
A228322 6.35728 [  $-(320*x^4-560*x^3+400*x^2-124*x+15)/(4*x-1)/(2*x-1)^4$  ogf]  
A228329 3.96775 [  $\{(-320*n^2-960*n-700)*a(n+1)+(52*n^2+262*n+340)*a(n+2)+(-2*n^2-13*n-21)*a(n+3), a(0) = 1, a(1) = 8, a(2) = 98\}$ , ogf]  
A228338 5.45982 [  $\{(-3*n-6)*a(n+1)+(-2*n-13)*a(n+2)+(n+7)*a(n+3), a(0) = 5, a(1) = 9, a(2) = 19\}$ , ogf]  
A228344 12.0234 [  $(x-2)*(x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A228344 9.32153 [  $(-x^4-2*x^2-12*x-5)/(x^5-x^4-2*x^3-x^2+x+2)$  lgdogf]  
A228357 6.85579 [  $-(4*x^28-4*x^27+4*x^26-4*x^25+4*x^6-4*x^5+4*x^4-4*x^3+3*x^2-3*x-1)/(x-1)^2$  ogf]  
A228361 10.3620 [  $(-(-x^3-3*x^2-2*x-2)/(-x^4-2*x^3-x^2+x+1))$  lgdogf]  
A228361 12.7532 [  $-x^2*(x+1)^2/(x^3+x^2-1)$  ogf]  
A228361 6.68515 [  $\{-a(n+5)+a(n+3)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2, a(4) = 2\}$ , ogf]  
A228362 8.08746 [  $-x^3*(x^2+x+1)^2/(x^2+1)/(x^3+x^2-1)$  ogf]  
A228364 10.1700 [  $(-4*x^3+8*x^2+4*x+2)/(x^4+2*x^3+x^2-x-1)$  lgdogf]  
A228364 9.14158 [  $x^2*(x+1)^2/(x^3+x^2-1)^2$  ogf]  
A228385 10.3156 [  $-(x+1)*(x-2)/(x^4-6*x^2-2*x+1)$  ogf]  
A228386 7.44216 [  $(-x^3-3*x^2+3)/(x^5-4*x^4-5*x^3+9*x^2+4*x-1)$  ogf]  
A228387 3.89992 [  $(-x^7-2*x^6-14*x^5+39*x^4-12*x^3-28*x^2+9*x+5)/(x^9-4*x^8-20*x^7+64*x^6+15*x^5-105*x^4+36*x^2+4*x-1)$  ogf]  
A228392 7.05472 [  $(-x^6-6*x^5+19*x^4-12*x^3+13*x^2-5*x+1)/(x-1)^7$  ogf]



A228393 3.91988 [  $-(x^9-9x^8-17x^7-263x^6-3x^5-120x^4+66x^3-31x^2+8x-1)/(x-1)^{10}$  ogf]  
A228394 8.73682 [  $-(x^4+x^3+6x^2-3x+1)/(x-1)^5$  ogf]  
A228394 9.76468 [  $-(-x^4-6x^3-21x^2-2)/(-x^5-5x^3+9x^2-4x+1)$  lgdogf]  
A228395 5.75886 [  $-(x^6+52x^5+39x^4-11x^3+13x^2-5x+1)/(x-1)^7$  ogf]  
A228396 7.09608 [  $-(x^6-x^5-2x^4+2x^3+6x^2-3x+1)/(x-1)^5$  ogf]  
A228397 4.96988 [  $-(2x^9+5x^8+12x^7-74x^6+51x^5+41x^4-11x^3+13x^2-5x+1)/(x-1)^7$  ogf]  
A228398 8.89746 [  $(x^5-3x^4+5x^3+4x^2-2x+1)/(x-1)^4$  ogf]  
A228399 4.62099 [  $(x^{10}-5x^9-2x^8+44x^7-24x^6-80x^5-43x^4+11x^3-13x^2+5x-1)/(x-1)^7$  ogf]  
A228401 4.75010 [  $-(x^8-8x^7+28x^6-54x^5+78x^4-42x^3+24x^2-7x+1)/(x-1)^9$  ogf]  
A228403 5.74422 [  $\{(-12n^2-18n)*a(n)+(-n^2-9n-20)*a(n+1)+(n^2+6n+8)*a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A228406 11.7883 [  $-(20x^2+60x+16)/(5x^3+5x^2-9x-1)$  lgdogf]  
A228406 3.89073 [  $\{(n+3)*a(n+4)+(2+9n)*a(n+3)+(-65-5n)*a(n+2)+(-20-5n)*a(n+1), a(0) = 0, a(1) = 24, a(2) = 384, a(3) = 2064\}$ , ogf]  
A228406 8.14245 [  $24x*(5x^2+10x+1)/(x-1)^6$  ogf]  
A228411 11.7303 [  $4/(1-32x)^{(1/2)}/(1+(1-32x)^{(1/2)})$  lgdogf]  
A228411 5.68185 [  $\{(-128n^2-352n-234)*a(n+1)+(4n^2+17n+18)*a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A228423 7.80293 [  $-x^3*(441x^{29}+196x^{24}-625x^{21}-225x^5-100)/(x-1)/(7x^{12}+5)/(7x^{12}-5)$  ogf]  
A228462 6.33394 [  $-(x^5-6x^4+14x^3-19x^2+11x-17)/(x-1)^6$  ogf]  
A228463 5.31679 [  $-(x^6-7x^5+22x^4-27x^3+22x^2-6x+27)/(x-1)^7$  ogf]  
A228464 4.55346 [  $-(x^7-8x^6+28x^5-75x^4+54x^3+11x^2-31x-44)/(x-1)^8$  ogf]  
A228469 12.1920 [  $-(x^3+x^2+8x+2)/(x^4+6x^2-1)$  ogf]  
A228470 12.8886 [  $-(2x^3+11x+3)/(x^4+6x^2-1)$  ogf]  
A228471 12.1397 [  $-(x^3+x^2+5x+3)/(x^4+6x^2-1)$  ogf]  
A228472 13.2920 [  $-(x^3+8x+5)/(x^4+6x^2-1)$  ogf]  
A228477 9.63264 [  $-(x^3-2x-2)/(x+1)/(x^4-x^3-3x^2-2x+1)$  ogf]  
A228478 4.73807 [  $-(x^6-3x^5+x^4+4x^3-2x^2-6x-3)/(x^8-3x^7+x^6+6x^5-4x^4-15x^3-10x^2-x+1)$  ogf]  
A228479 4.08703 [  $-(x^7-6x^5+16x^4-18x^3-5x^2+4x+5)/(x^9-8x^7+19x^6-20x^5-11x^4+16x^3+15x^2+3x-1)$  ogf]  
A228484 12.0346 [hypergeom([1/3, 2/3],[1/2],27/2\*x) ogf]  
A228484 5.67484 [  $\{(27n^2+81n+60)*a(n+1)+(-2n^2-7n-6)*a(n+2), a(0) = 1, a(1) = 6\}$ , ogf]  
A228494 6.17850 [  $x^3*(x^2+x+1)^2/(x^2+1)^2/(x^3+x^2-1)^2$  ogf]  
A228501 12.7481 [  $-(x-2)/(2x^3-3x^2-2x+1)$  ogf]  
A228501 5.97918 [  $\{a(n+3)-2a(n+2)-3a(n+1)+2a(n), a(0) = 2, a(1) = 3, a(2) = 12\}$ , ogf]  
A228501 8.23960 [  $-(-4x^3+15x^2-12x-3)/(-2x^4+7x^3-4x^2-5x+2)$  lgdogf]  
A228502 9.30386 [  $-(2x+3)*(x-1)/(3x^4+2x^3-7x^2-2x+1)$  ogf]  
A228503 6.18208 [  $-(2x^4+x^3-14x^2+x+5)/(4x^6+x^5-27x^4+x^3+16x^2+2x-1)$  ogf]  
A228504 4.13696 [  $-(18x^6+24x^5-63x^4-41x^3+64x^2+3x-8)/(32x^8+42x^7-116x^6-85x^5+138x^4+17x^3-30x^2-3x+1)$  ogf]  
A228510 6.76470 [  $-(-2905x^4-37900x^3-87102x^2-45436x-4065)/(-415x^5-4115x^4-3638x^3+5258x^2+2805x+105)$  lgdogf]  
A228513 4.75389 [  $\{(-2n^2-8n-8)*a(n+1)+(n^2+6n+11)*a(n+2)-a(n+3), a(0) = 1, a(1) = 3, a(2) = 16\}$ , ogf]  
A228564 9.54654 [  $-(x^5+5x^4+2x^3+2x^2+x+1)/(x-1)^3/(x+1)^3$  ogf]  
A228568 10.3035 [  $-(-32x^2+16x-4)/(-32x^3+40x^2-12x+1)$  lgdogf]  
A228568 15.7986 [  $-2*(4x-1)/(8x^2-8x+1)$  ogf]  
A228568 8.66999 [  $\{a(n+2)-8a(n+1)+8a(n), a(0) = 2, a(1) = 8\}$ , ogf]  
A228569 10.7762 [  $-(-15x^2+12x-5)/(-15x^3+31x^2-15x+2)$  lgdogf]  
A228569 16.5236 [  $-(5x-2)/(3x^2-5x+1)$  ogf]  
A228569 9.06782 [  $\{a(n+2)-5a(n+1)+3a(n), a(0) = 2, a(1) = 5\}$ , ogf]  
A228571 5.42658 [  $-(x+1)*(x^9-x^8+x^7+x^3-x^2+x-1)/(x^5+x^2-1)/(x^{10}+x^4-1)$  ogf]

A228577 12.2984 [  $x/(x^3+x^2-1)^2$  ogf]  
A228577 14.2750 [  $-(6x^2+4x)/(x^3+x^2-1)$  lgdogf]  
A228577 4.99624 [  $\{(n+3)a(n+4)+(-5-n)a(n+2)+(-6-n)a(n+1), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 2\}$ , ogf]  
A228581 7.22991 [  $-x^3(x^3+11x^2+3x+1)/(x-1)^7$  ogf]  
A228581 9.81202 [  $-(-4x^3-58x^2-40x-10)/(-x^4-10x^3+8x^2+2x+1)$  lgdogf]  
A228583 5.64821 [  $-x^4(3x^4+18x^3+36x^2+6x+1)/(x-1)^9$  ogf]  
A228583 7.54854 [  $-(-15x^4-120x^3-306x^2-120x-15)/(-3x^5-15x^4-18x^3+30x^2+5x+1)$  lgdogf]  
A228597 11.1036 [  $-(29x^2+22x+141)/(x-1)^3$  ogf]  
A228597 6.11641 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 141, a(1) = 445, a(2) = 941\}$ , ogf]  
A228597 9.75319 [  $-(-29x^2-102x-445)/(-29x^3+7x^2-119x+141)$  lgdogf]  
A228598 11.0230 [  $-(68x^2-183x+141)/(x-1)^3$  ogf]  
A228598 6.16541 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 141, a(1) = 240, a(2) = 365\}$ , ogf]  
A228598 9.57261 [  $-(-68x^2+230x-240)/(-68x^3+251x^2-324x+141)$  lgdogf]  
A228600 5.18524 [  $-(14x^6-13x^5-43x^4+38x^3+48x^2-65x-27)/(x+1)^3/(x-1)^4$  ogf]  
A228602 14.5345 [  $-(12x+17)/(4x^2+4x-1)$  ogf]  
A228602 8.13238 [  $\{-a(n+2)+4a(n+1)+4a(n), a(0) = 17, a(1) = 80\}$ , ogf]  
A228602 9.35781 [  $-(-48x^2-136x-80)/(-48x^3-116x^2-56x+17)$  lgdogf]  
A228603 10.4367 [  $-(-32x^2-72x-44)/(-32x^3-68x^2-28x+9)$  lgdogf]  
A228603 16.2349 [  $-(8x+9)/(4x^2+4x-1)$  ogf]  
A228603 8.80204 [  $\{a(n+2)-4a(n+1)-4a(n), a(0) = 9, a(1) = 44\}$ , ogf]  
A228604 13.5897 [  $-(50x-18)/(25x^2-18x+1)$  lgdogf]  
A228604 20.1905 [  $1/(25x^2-18x+1)$  ogf]  
A228604 8.31372 [  $\{-a(n+2)+18a(n+1)-25a(n), a(0) = 1, a(1) = 18\}$ , ogf]  
A228605 10.1793 [  $-(-22x^2-22x-18)/(-22x^3-43x^2-14x+1)$  lgdogf]  
A228605 15.1607 [  $-(2x+1)/(11x^2+16x-1)$  ogf]  
A228605 8.38299 [  $\{a(n+2)-16a(n+1)-11a(n), a(0) = 1, a(1) = 18\}$ , ogf]  
A228606 11.7186 [  $-(7x^2+14x-18)/(7x^3-10x^2-16x+1)$  lgdogf]  
A228606 17.3231 [  $(x+1)/(7x^2-17x+1)$  ogf]  
A228606 9.48648 [  $\{-a(n+2)+17a(n+1)-7a(n), a(0) = 1, a(1) = 18\}$ , ogf]  
A228655 11.7729 [  $-2(x-1)/(3x^3+3x^2-5x+1)$  ogf]  
A228655 5.52180 [  $\{-a(n+3)+5a(n+2)-3a(n+1)-3a(n), a(0) = 2, a(1) = 8, a(2) = 34\}$ , ogf]  
A228655 8.66615 [  $-(-6x^3-6x^2-6x+4)/(3x^4-8x^2+6x-1)$  lgdogf]  
A228656 11.2590 [  $-(4x-3)/(8x^3+2x^2-6x+1)$  ogf]  
A228656 5.23444 [  $\{a(n+3)-6a(n+2)+2a(n+1)+8a(n), a(0) = 3, a(1) = 14, a(2) = 78\}$ , ogf]  
A228656 6.78098 [  $-(-64x^3+64x^2+12x-14)/(-32x^4+16x^3+30x^2-22x+3)$  lgdogf]  
A228657 5.48368 [  $-(3x^4-10x^3-14x^2+22x-5)/(5x^6-20x^5-49x^4+32x^3+27x^2-12x+1)$  ogf]  
A228658 4.01371 [  $-4(8x^5-3x^4-23x^3+4x^2+8x-2)/(48x^7-103x^6-352x^5-59x^4+142x^3+17x^2-14x+1)$  ogf]  
A228661 14.8094 [  $-(-6x-1)/(-3x^2-x+1)$  lgdogf]  
A228661 21.5409 [  $-2/(3x^2+x-1)$  ogf]  
A228661 8.66891 [  $\{-a(n+2)+a(n+1)+3a(n), a(0) = 2, a(1) = 2\}$ , ogf]  
A228662 12.5111 [  $-(3x-4)/(5x^3-6x^2-2x+1)$  ogf]  
A228662 5.86804 [  $\{a(n+3)-2a(n+2)-6a(n+1)+5a(n), a(0) = 4, a(1) = 5, a(2) = 34\}$ , ogf]  
A228662 7.62171 [  $-(-30x^3+78x^2-48x-5)/(-15x^4+38x^3-18x^2-11x+4)$  lgdogf]  
A228663 8.97260 [  $-4(x+1)(3x-2)/(18x^4+7x^3-16x^2-2x+1)$  ogf]  
A228664 4.31704 [  $-(66x^5-29x^4-162x^3+86x^2+35x-16)/(102x^7-45x^6-258x^5+134x^4+76x^3-34x^2-4x+1)$  ogf]  
A228678 10.6401 [  $-(3x^2+6x-5)/(3x^3+3x^2-5x+1)$  ogf]  
A228678 5.69339 [  $\{a(n+3)-5a(n+2)+3a(n+1)+3a(n), a(0) = 5, a(1) = 19, a(2) = 77\}$ , ogf]  
A228679 4.89737 [  $\{-a(n+3)+6a(n+2)-2a(n+1)-8a(n), a(0) = 8, a(1) = 40, a(2) =$

216}, ogf]  
 A228679 9.23274 [  $-8*(x^2+x-1)/(8*x^3+2*x^2-6*x+1)$  ogf]  
 A228680 5.21515 [  $-(5*x^5-15*x^4-64*x^3+4*x^2+59*x-13)/(5*x^6-20*x^5-49*x^4+32*x^3+27*x^2-12*x+1)$  ogf]  
 A228681 3.81018 [  $-(48*x^6-55*x^5-407*x^4-242*x^3+152*x^2+77*x-21)/(48*x^7-103*x^6-352*x^5-59*x^4+142*x^3+17*x^2-14*x+1)$  ogf]  
 A228684 10.5240 [  $-(5*x^2-x-8)/(5*x^3-6*x^2-2*x+1)$  ogf]  
 A228684 5.63128 [  $\{a(n+3)-2*a(n+2)-6*a(n+1)+5*a(n), a(0) = 8, a(1) = 17, a(2) = 77\}$ , ogf]  
 A228685 7.46279 [  $-(x+1)*(18*x^2+7*x-16)/(18*x^4+7*x^3-16*x^2-2*x+1)$  ogf]  
 A228686 4.08160 [  $-(102*x^6+57*x^5-303*x^4-118*x^3+207*x^2+29*x-32)/(102*x^7-45*x^6-258*x^5+134*x^4+76*x^3-34*x^2-4*x+1)$  ogf]  
 A228693 14.1653 [  $-(x^4+x^3+x^2-x-1)/(x-1)/(x+1)/(2*x^2-1)$  ogf]  
 A228693 7.95438 [  $-(2*x^6-10*x^5+3*x^4+12*x^3-4*x-1)/(-2*x^8-2*x^7+x^6+5*x^5+4*x^4-4*x^3-4*x^2+x+1)$  lgdogf]  
 A228693 8.20690 [  $\{-a(n+5)+3*a(n+3)-2*a(n+1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 2, a(4) = 3\}$ , ogf]  
 A228700 15.4506 [  $8*x^3/(6*x-1)/(8*x-1)/(2*x-1)/(4*x-1)$  ogf]  
 A228700 9.65664 [  $(-(-1536*x^3+1200*x^2-280*x+20)/(-384*x^4+400*x^3-140*x^2+20*x-1))$  lgdogf]  
 A228701 14.2046 [  $(- (144*x^2-88*x+12)/(48*x^3-44*x^2+12*x-1))$  lgdogf]  
 A228701 21.0110 [  $-4*x^2/(6*x-1)/(2*x-1)/(4*x-1)$  ogf]  
 A228701 8.92504 [  $\{a(n+3)-12*a(n+2)+44*a(n+1)-48*a(n), a(0) = 0, a(1) = 0, a(2) = 4\}$ , ogf]  
 A228702 5.13603 [  $x*(x^2+1)*(x^2+4*x+1)/(x^3+x^2+3*x-1)^2/(x^3-x^2-x-1)^2$  ogf]  
 A228705 7.00528 [  $(x^4-2*x^3+4*x^2-2*x+1)/(x^2+1)^2/(x-1)^4$  ogf]  
 A228706 6.84603 [  $(x^4-3*x^3+5*x^2-3*x+1)/(x^2+1)^2/(x-1)^4$  ogf]  
 A228707 4.03491 [  $(x^2-x+1)*(x^6-2*x^5+2*x^4-x^3+2*x^2-2*x+1)/(x^4+1)/(x^2+1)^2/(x-1)^4$  ogf]  
 A228733 12.8063 [  $-2*(x^2-x+1)*(x+1)/(x^5-x^3+2*x-1)$  ogf]  
 A228733 7.29957 [  $(-(-2*x^7-5*x^4+4*x^3-2)/(-x^8+x^6-x^5-2*x^4+2*x^3-2*x+1))$  lgdogf]  
 A228741 7.29712 [  $(-(-x^4+6*x^3-6*x^2-2*x-77)/(-x^5+6*x^4-12*x^3+10*x^2-19*x+16))$  lgdogf]  
 A228741 7.67718 [  $-(x^4-5*x^3+7*x^2-3*x+16)/(x-1)^5$  ogf]  
 A228742 6.12216 [  $-(x^5-6*x^4+18*x^3-6*x^2-17*x-28)/(x-1)^6$  ogf]  
 A228743 5.03050 [  $-(x^6-7*x^5+24*x^4-70*x^3-7*x^2+97*x+50)/(x-1)^7$  ogf]  
 A228744 4.54865 [  $-(x^7-8*x^6+21*x^5-86*x^4+353*x^3-26*x^2-367*x-88)/(x-1)^8$  ogf]  
 A228748 9.85855 [  $-(2*x^3+x^2-6*x+2)/(x^2+x-1)/(x^2+2*x-1)$  ogf]  
 A228750 4.98428 [  $\{a(n+3)-8*a(n+2)+12*a(n+1)-4*a(n), a(0) = 3, a(1) = 20, a(2) = 126\}$ , ogf]  
 A228750 9.32542 [  $-(2*x^2-4*x+3)/(4*x^3-12*x^2+8*x-1)$  ogf]  
 A228751 6.09836 [  $(2*x^4-12*x^3+12*x^2-15*x+5)/(x-1)/(5*x^3-24*x^2+12*x-1)$  ogf]  
 A228752 4.26552 [  $(78*x^5-218*x^4+114*x^3-109*x^2+49*x-8)/(36*x^5-157*x^4+217*x^3-112*x^2+21*x-1)$  ogf]  
 A228755 11.3741 [  $-(x-2)*(x+2)/(x^4-6*x^2-2*x+1)$  ogf]  
 A228755 6.48322 [  $(-(-2*x^5+16*x^3-2*x^2-46*x-8)/(-x^6+10*x^4+2*x^3-25*x^2-8*x+4))$  lgdogf]  
 A228756 4.00144 [  $(- (x^6-5*x^5-4*x^4+24*x^3+13*x^2-13*x-8)/(x+1)/(x^2-2*x-1)/(x^5-4*x^4-5*x^3+9*x^2+4*x-1))$  ogf]  
 A228767 7.30466 [  $-(8*x^4-2*x^3+21*x^2-11*x+2)/(4*x-1)^2/(x-1)^2$  ogf]  
 A228791 12.0687 [  $2*(x^2-x+1)/(3*x^2-5*x+1)$  ogf]  
 A228791 6.21010 [  $\{-a(n+3)+5*a(n+2)-3*a(n+1), a(0) = 2, a(1) = 8, a(2) = 36\}$ , ogf]  
 A228791 8.88389 [  $(- (2*x^2+4*x-4)/(3*x^4-8*x^3+9*x^2-6*x+1))$  lgdogf]  
 A228792 4.17653 [  $\{a(n+4)-8*a(n+3)+12*a(n+2)-4*a(n+1), a(0) = 3, a(1) = 16, a(2) = 97, a(3) = 586\}$ , ogf]  
 A228792 8.05893 [  $(10*x^3-5*x^2+8*x-3)/(4*x^3-12*x^2+8*x-1)$  ogf]  
 A228793 5.44070 [  $(- (18*x^5-106*x^4+19*x^3-45*x^2+23*x-5)/(x-1)/(5*x^3-24*x^2+12*x-1))$  ogf]

A228794 3.79632 [  $-2*(555*x^6-1256*x^5+58*x^4-280*x^3+116*x^2-35*x+4)/(36*x^5-157*x^4+217*x^3-112*x^2+21*x-1)$  ogf]  
A228797 11.5322 [  $-(3*x^2+6*x+1)/(x^3+3*x^2+x-1)$  lgdogf]  
A228797 18.0015 [  $-2/(x+1)/(x^2+2*x-1)$  ogf]  
A228797 6.58982 [  $\{-a(n+3)+a(n+2)+3*a(n+1)+a(n), a(0) = 2, a(1) = 2, a(2) = 8\}$ , ogf]  
A228798 7.51515 [  $-(3*x^3+x^2-x-4)/(x+1)/(x^4-6*x^2-2*x+1)$  ogf]  
A228799 4.36165 [  $(7*x^6-33*x^5+12*x^4-46*x^3-17*x^2+5*x+8)/(x+1)/(x^2-2*x-1)/(x^5-4*x^4-5*x^3+9*x^2+4*x-1)$  ogf]  
A228826 10.1549 [  $-(-x^2+4*x+1)/(-x^3+2*x^2-x+2)$  lgdogf]  
A228826 10.1549 [  $\{-a(n+2)-a(n), a(0) = 2, a(1) = -1\}$ , ogf]  
A228826 15.8516 [  $-(x-2)/(x^2+1)$  ogf]  
A228831 11.9793 [  $-(6*x^3-2*x^2+10*x-2)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A228834 12.3419 [  $-(-6*x^3-4*x^2-4*x-4)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A228840 13.5567 [  $-(15*x-2)/(27*x^2-15*x+1)$  ogf]  
A228840 7.65554 [  $\{a(n+2)-15*a(n+1)+27*a(n), a(0) = 2, a(1) = 15\}$ , ogf]  
A228840 8.79353 [  $-(-405*x^2+108*x-15)/(-405*x^3+279*x^2-45*x+2)$  lgdogf]  
A228842 11.2892 [  $-(-12*x^2+8*x-3)/(-12*x^3+22*x^2-9*x+1)$  lgdogf]  
A228842 16.8084 [  $-2*(3*x-1)/(4*x^2-6*x+1)$  ogf]  
A228842 9.22410 [  $\{a(n+2)-6*a(n+1)+4*a(n), a(0) = 2, a(1) = 6\}$ , ogf]  
A228843 13.9701 [  $-2*(12*x-1)/(64*x^2-24*x+1)$  ogf]  
A228843 7.88901 [  $\{a(n+2)-24*a(n+1)+64*a(n), a(0) = 2, a(1) = 24\}$ , ogf]  
A228843 9.06170 [  $-(-768*x^2+128*x-12)/(-768*x^3+352*x^2-36*x+1)$  lgdogf]  
A228847 7.62965 [  $-6*(980*x^23+140*x^17+70*x^15+14*x^8+21*x^6+25*x^4+8*x^2+x+1)/(x-1)$  ogf]  
A228871 12.6376 [  $(32*x+3)/(64*x-1)/(x-1)$  ogf]  
A228871 7.05352 [  $\{-a(n+2)+65*a(n+1)-64*a(n), a(0) = 3, a(1) = 227\}$ , ogf]  
A228871 7.67852 [  $-(2048*x^2+384*x-227)/(2048*x^3-1888*x^2-163*x+3)$  lgdogf]  
A228873 11.6105 [  $-6/(x-1)/(x^2+3*x+1)/(x^2-7*x+1)$  ogf]  
A228873 6.78235 [  $-(-5*x^4+20*x^3+45*x^2-30*x-5)/(-x^5+5*x^4+15*x^3-15*x^2-5*x+1)$  lgdogf]  
A228874 7.15462 [  $6*(x^4-4*x^3-24*x^2+6*x-4)/(x-1)/(x^2+3*x+1)/(x^2-7*x+1)$  ogf]  
A228879 11.4503 [  $-(21*x^2+24*x+7)/(21*x^3+12*x^2-7*x-4)$  lgdogf]  
A228879 12.1660 [  $\{a(n+2)-3*a(n), a(0) = 4, a(1) = 7\}$ , ogf]  
A228879 18.9908 [  $-(7*x+4)/(3*x^2-1)$  ogf]  
A228887 11.3805 [  $(4*x^2+19*x+4)/(x-1)^4$  ogf]  
A228887 11.7152 [  $-(8*x^2+65*x+35)/(4*x^3+15*x^2-15*x-4)$  lgdogf]  
A228887 3.84846 [  $\{(4*n+16)*a(n+4)+(10+15*n)*a(n+3)+(-95-15*n)*a(n+2)+(-12-4*n)*a(n+1), a(0) = 4, a(1) = 35, a(2) = 120, a(3) = 286\}$ , ogf]  
A228888 11.4251 [  $(x^2+16*x+10)/(x-1)^4$  ogf]  
A228888 11.9292 [  $-(-2*x^2-50*x-56)/(-x^3-15*x^2+6*x+10)$  lgdogf]  
A228888 3.91876 [  $\{(10*n+40)*a(n+4)+(-38+6*n)*a(n+3)+(-80-15*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 10, a(1) = 56, a(2) = 165, a(3) = 364\}$ , ogf]  
A228889 11.2670 [  $6*(x^2+16*x+10)/(x-1)^4$  ogf]  
A228889 11.7640 [  $-(-2*x^2-50*x-56)/(-x^3-15*x^2+6*x+10)$  lgdogf]  
A228889 3.82753 [  $\{(10*n+40)*a(n+4)+(-38+6*n)*a(n+3)+(-80-15*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 60, a(1) = 336, a(2) = 990, a(3) = 2184\}$ , ogf]  
A228907 6.88578 [  $1/2/(x^2+2*x+1)*(x^2+x+1+(x^4-2*x^3-5*x^2-2*x+1)^{1/2})*x$  revogf]  
A228909 7.89697 [  $-720*x^6/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A228910 6.87665 [  $5040*x^7/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A228911 5.40521 [  $-40320*x^8/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(9*x-1)/(2*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A228912 4.63334 [  $362880*x^9/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(9*x-1)/(2*x-1)/(8*x-1)/(7*x-1)/(5*x-1)/(10*x-1)$  ogf]  
A228913 8.29824  
11/30\*(15\*x^3-60\*x^2+(255\*x^6+30870\*x^4+1091475\*x^2+12006225)^(1/2)+585\*x-3465)/x/(x^2+39) lgdegf  
A228920 10.9937 [  $-2*(12*x^2-6*x+1)/(4*x-1)/(8*x^2-4*x+1)$  ogf]

A228920 6.26834 [ {a(n+3)-8\*a(n+2)+24\*a(n+1)-32\*a(n), a(0) = 2, a(1) = 4, a(2) = 8}, ogf ]  
A228921 4.82360 [ -2\*(28672\*x^6-9216\*x^5+1280\*x^4-64\*x^3+48\*x^2-12\*x+1)/(8\*x-1)/(32\*x^2-8\*x+1)/(256\*x^4+1) ogf ]  
A228935 14.4505 [ -3\*x\*(x-1)/(x+1)^2 ogf ]  
A228935 16.0926 [ -(-x+3)/(-x^2+1) lgdogf ]  
A228935 33.5438 [ [-3+2\*x] ogf\_with\_Euler\_transform ]  
A228935 7.01065 [ {-a(n+3)-2\*a(n+2)-a(n+1), a(0) = 0, a(1) = 3, a(2) = -9}, ogf ]  
A228936 8.06478 [ -(x-1)\*(x+1)\*(x^2+3\*x+1)/(x^2+1)^2 ogf ]  
A228937 6.23599 [ -(x-1)\*(x+1)\*(x^6+2\*x^5+31\*x^4+15\*x^3+31\*x^2+2\*x+1)/(x^4+1)^2 ogf ]  
A228949 9.70496 [ -(x^5-5\*x^3-7\*x^2-3\*x-4)/(x-1)^2/(x^2+x+1)^2 ogf ]  
A228958 7.48165 [ (x^5-x^4+6\*x^3+x+1)/(x+1)^3/(x-1)^4 ogf ]  
A228959 3.71866 [ {(n^2+5\*n+6)\*a(n+1)+(-n^2-9\*n-18)\*a(n+2)+(2\*n+9)\*a(n+3)-a(n+4), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 32}, ogf ]  
A228966 11.9244 [ -(x^3+2\*x^2-x)/(x^2+2\*x+1) revogf ]  
A228967 13.5004 [ -(-27\*x^2-8\*x-9)/(-9\*x^3-2\*x^2+9\*x+2) lgdogf ]  
A228967 17.9087 [ (9\*x+2)/(x+1)^2/(x-1)^2 ogf ]  
A228967 4.38762 [ {(-2\*n-8)\*a(n+4)+(-18-9\*n)\*a(n+3)+(12+2\*n)\*a(n+2)+(36+9\*n)\*a(n+1), a(0) = 2, a(1) = 9, a(2) = 4, a(3) = 18}, ogf ]  
A228980 8.18484 [ -4\*(x^3-x^2-2\*x+1)/(6\*x^4-6\*x^3-7\*x^2+6\*x-1) ogf ]  
A229003 3.05817 [ {(-n-3)\*a(n+1)+(n^2+8\*n+14)\*a(n+2)+(-2\*n^2-13\*n-19)\*a(n+3)+(n^2+6\*n+8)\*a(n+4), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 11}, egf ]  
A229004 10.9087 [ (2\*x^4+2\*x^3+x^2+4\*x+4)/(x+1)/(x^2+1)/(x-1)^2 ogf ]  
A229006 3.99144 [ -(2\*x^12-2\*x^11+2\*x^9-x^8+x^7+3\*x^6+2\*x^4+4\*x^3+x^2+x+3)/(2\*x^13-2\*x^12+2\*x^11-x^9+2\*x^8-x^6+2\*x^5-x^3+2\*x-1) ogf ]  
A229013 10.4173 [ -(x-2)\*(x^2+4\*x+1)/(x-1)^4 ogf ]  
A229013 4.05117 [ {(-149\*n^2-343\*n-90)\*a(n+1)+(928\*n^2+6728\*n+14244)\*a(n+2)+(-779\*n^2-4495\*n-6474)\*a(n+3), a(0) = 2, a(1) = 15, a(2) = 46}, ogf ]  
A229013 9.78209 [ -(-x^3-7\*x^2+17\*x+15)/(-x^4-x^3+9\*x^2-5\*x-2) lgdogf ]  
A229014 7.92547 [ (x-2)\*(x^3+3\*x^2+11\*x+1)/(x-1)^5 ogf ]  
A229014 8.18113 [ -(-x^4-6\*x^3-18\*x^2+74\*x+31)/(-x^5-4\*x^3+26\*x^2-19\*x-2) lgdogf ]  
A229015 6.00386 [ (x^5+2\*x^4-32\*x^3+20\*x^2+45\*x+2)/(x-1)^6 ogf ]  
A229016 5.19724 [ -(x^6+9\*x^5-4\*x^4-148\*x^3+137\*x^2+91\*x+2)/(x-1)^7 ogf ]  
A229017 4.44856 [ -(x^7-8\*x^6-121\*x^5+268\*x^4+405\*x^3-566\*x^2-177\*x-2)/(x-1)^8 ogf ]  
A229025 10.6464 [ -1/(4\*x-1)/(2\*x-1)/(8\*x-1)/(7\*x-1)/(5\*x-1) ogf ]  
A229026 10.2752 [ -(160\*x^2-151\*x+19)/(40\*x^3-53\*x^2+14\*x-1) lgdogf ]  
A229026 13.2110 [ 1/(8\*x-1)/(x-1)/(5\*x-1)^2 ogf ]  
A229026 3.52294 [ {(n+4)\*a(n+4)+(-61-14\*n)\*a(n+3)+(257+53\*n)\*a(n+2)+(-200-40\*n)\*a(n+1), a(0) = 1, a(1) = 19, a(2) = 238, a(3) = 2490}, ogf ]  
A229031 10.8054 [ -(-384\*x^3+224\*x^2-40\*x)/(-192\*x^4+128\*x^3-4\*x^2-8\*x+1) lgdogf ]  
A229031 15.5671 [ -120\*(4\*x-1)/(6\*x-1)/(2\*x-1)/(4\*x+1) ogf ]  
A229031 7.78353 [ {-a(n+3)+4\*a(n+2)+20\*a(n+1)-48\*a(n), a(0) = 120, a(1) = 0, a(2) = 2400}, ogf ]  
A229036 12.2768 [ -(-6\*x-4)/(-45\*x^3+39\*x^2-14\*x+2) lgdegf ]  
A229036 12.9345 [ 1/2\*(15\*x^2-8\*x+2)/(3\*x-1)^2 egf ]  
A229036 3.55065 [ {(15\*n^2+15\*n)\*a(n)+(-18\*n^2-77\*n-57)\*a(n+1)+(3\*n^2+27\*n+44)\*a(n+2)+(-n-3)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 21}, ogf ]  
A229039 13.4139 [ -1/2\*(3\*x^2-2\*x-2)/(x-1)^2 egf ]  
A229039 13.6719 [ -(-4\*x+6)/(-3\*x^3+5\*x^2-2) lgdegf ]  
A229039 3.59060 [ {(6\*n^2+6\*n)\*a(n)+(5\*n^2+14\*n+17)\*a(n+1)+(n^2+2\*n+3)\*a(n+2)+(-n-3)\*a(n+3), a(0) = 1, a(1) = 3, a(2) = 7}, ogf ]  
A229042 15.1040 [ -x^2-1/2+1/2\*(4\*x+1)^(1/2) revogf ]  
A229043 16.8752 [ -1/2-x^3+1/2\*(4\*x+1)^(1/2) revogf ]  
A229072 12.5198 [ -(x+1)\*(x^15-x^14+x^13-x^12+x^11-x^10+x^9-x^8+x^7+x+1)/(2\*x-1) ogf ]  
A229083 7.26844 [ -(x^7-2\*x^6+x^5-3\*x^4+x^3+2\*x^2+x+1)/(x-1)/(x^4+2\*x^2-1)/(x^4-2\*x^2-1) ogf ]  
A229093 7.25326 [ x^2\*(x^7-2\*x^6+x^5-x^4+x^3-x^2-1)/(x^2+x+1)/(x-1)^3 ogf ]  
A229111 3.12831 [ {(125\*n^3+750\*n^2+1500\*n+1000)\*a(n+1)+(22\*n^3+165\*n^2+417\*n

+355)\*a(n+2)+(n^3+9\*n^2+27\*n+27)\*a(n+3), a(0) = 1, a(1) = -5, a(2) = 35}], ogf]  
A229117 5.30691 [ -(3\*x^8-2\*x^7+x^6-19\*x^5+11\*x^4-5\*x^3+10\*x^2+x+2)/(x-1)/(x^6-6\*x^3+1) ogf]  
A229127 12.1931 [ (90\*x^2-10\*x+1)/(10\*x-1)/(9\*x-1) ogf]  
A229127 6.55669 [ {-a(n+3)+19\*a(n+2)-90\*a(n+1), a(0) = 1, a(1) = 9, a(2) = 171}, ogf]  
A229127 8.79758 [ -(810\*x^2-9)/(8100\*x^4-2610\*x^3+370\*x^2-29\*x+1) lgdogf]  
A229131 5.01891 [ (x^7-2\*x^6+2\*x^5-4\*x^4+5\*x^3-2\*x^2-x-1)/(x-1)/(x^6-6\*x^3+1) ogf]  
A229135 4.32198 [ {(-4\*n^2-20\*n-24)\*a(n+1)+(5\*n^2+20\*n+15)\*a(n+2)+(-n^2-3\*n-2)\*a(n+3), a(0) = 0, a(1) = 4, a(2) = 20}, ogf]  
A229135 8.45398 [ -(136\*x^3-120\*x^2+48\*x-10)/(68\*x^4-125\*x^3+75\*x^2-20\*x+2) lgdogf]  
A229135 9.73813 [ 2\*x\*(17\*x^2-10\*x+2)/(4\*x-1)^2/(x-1)^2 ogf]  
A229136 11.3427 [ -2\*(2\*x-1)^2/(4\*x-1)/(8\*x^2-4\*x+1) ogf]  
A229136 6.21383 [ {a(n+3)-8\*a(n+2)+24\*a(n+1)-32\*a(n), a(0) = 2, a(1) = 8, a(2) = 24}, ogf]  
A229136 8.21369 [ -(64\*x^3-96\*x^2+32\*x-4)/(64\*x^4-80\*x^3+40\*x^2-10\*x+1) lgdogf]  
A229138 4.43911 [ -4\*(2048\*x^6-1024\*x^5+128\*x^4-128\*x^3+56\*x^2-12\*x+1)/(8\*x-1)/(32\*x^2-8\*x+1)/(256\*x^4+1) ogf]  
A229144 11.2918 [ x\*(x^6+2\*x^5+2\*x^4+2\*x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A229146 3.94066 [ {(-1109\*n^2-5116\*n-5796)\*a(n+1)+(2383\*n^2+10702\*n+22671)\*a(n+2)+(-1274\*n^2-4926\*n-4756)\*a(n+3), a(0) = 0, a(1) = 4, a(2) = 52}, ogf]  
A229146 8.60166 [ -x\*(x^3+23\*x^2+32\*x+4)/(x-1)^5 ogf]  
A229146 9.30179 [ -(2\*x^3+72\*x^2+174\*x+52)/(x^4+22\*x^3+9\*x^2-28\*x-4) lgdogf]  
A229147 6.92930 [ x\*(x^4+58\*x^3+198\*x^2+98\*x+5)/(x-1)^6 ogf]  
A229147 7.05529 [ -(-2\*x^4-178\*x^3-966\*x^2-886\*x-128)/(-x^5-57\*x^4-140\*x^3+100\*x^2+93\*x+5) lgdogf]  
A229148 5.66972 [ -x\*(x^5+137\*x^4+957\*x^3+1157\*x^2+262\*x+6)/(x-1)^7 ogf]  
A229149 4.91868 [ x\*(x^6+312\*x^5+4029\*x^4+9664\*x^3+5499\*x^2+648\*x+7)/(x-1)^8 ogf]  
A229150 4.08607 [ -x\*(x^7+695\*x^6+15570\*x^5+65998\*x^4+74573\*x^3+23067\*x^2+1528\*x+8)/(x-1)^9 ogf]  
A229151 3.33774 [ x\*(x^8+1526\*x^7+56856\*x^6+395866\*x^5+780950\*x^4+486474\*x^3+89224\*x^2+3494\*x+9)/(x-1)^10 ogf]  
A229154 7.82384 [ -(x^6-2\*x^5+x^4-x^3+2\*x^2+1)/(x^2+x+1)/(x-1)^3 ogf]  
A229180 15.1931 [ -(-3\*x^4-6\*x^2-3)/(-x^6+1) ogf\_with\_Euler\_transform]  
A229183 11.1971 [ x\*(2\*x^2-x+2)/(x-1)^4 ogf]  
A229183 12.7716 [ -(-4\*x^2-x-7)/(-2\*x^3+3\*x^2-3\*x+2) lgdogf]  
A229183 4.14916 [ {(6+2\*n)\*a(n+4)+(-13-3\*n)\*a(n+3)+(2+3\*n)\*a(n+2)+(-4-2\*n)\*a(n+1), a(0) = 0, a(1) = 2, a(2) = 7, a(3) = 18}, ogf]  
A229204 7.17449 [ x^3\*(x^2+1)\*(x^4-x^3-x^2-2\*x+2)/(x^2+x+1)^2/(x-1)^3 ogf]  
A229224 8.48269 [ 1+x+1/2\*x^2+1/6\*x^3+1/24\*x^4+1/120\*x^5+1/720\*x^6 lgdegf]  
A229225 12.0026 [ 1+x+1/2\*x^2+1/6\*x^3+1/24\*x^4+1/120\*x^5+1/720\*x^6+1/5040\*x^7 lgdegf]  
A229225 7.21029 [ 1+x+1/2\*x^2+1/6\*x^3+1/24\*x^4+1/120\*x^5+1/720\*x^6+1/5040\*x^7 lgdegf]  
A229277 15.8066 [ -3\*x\*(x-1)/(3\*x-1)^2 ogf]  
A229277 16.1359 [ -(-3\*x+5)/(-3\*x^2+4\*x-1) lgdogf]  
A229277 7.59335 [ {a(n+3)-6\*a(n+2)+9\*a(n+1), a(0) = 0, a(1) = 3, a(2) = 15}, ogf]  
A229278 13.6901 [ -(-12\*x+13)/(-12\*x^2+11\*x-2) lgdogf]  
A229278 14.2377 [ -2\*x\*(3\*x-2)/(4\*x-1)^2 ogf]  
A229278 6.91149 [ {a(n+3)-8\*a(n+2)+16\*a(n+1), a(0) = 0, a(1) = 4, a(2) = 26}, ogf]  
A229279 13.9891 [ -5\*x\*(2\*x-1)/(5\*x-1)^2 ogf]  
A229279 14.5487 [ -(-10\*x+8)/(-10\*x^2+7\*x-1) lgdogf]  
A229279 6.99456 [ {a(n+3)-10\*a(n+2)+25\*a(n+1), a(0) = 0, a(1) = 5, a(2) = 40}, ogf]  
A229280 13.7313 [ -3\*x\*(5\*x-2)/(6\*x-1)^2 ogf]

A229280 13.7313  $[-(-30*x+19)/(-30*x^2+17*x-2) \text{ lgdogf}]$   
A229280 6.86567  $[ \{a(n+3)-12*a(n+2)+36*a(n+1), a(0) = 0, a(1) = 6, a(2) = 57\}, \text{ ogf}]$   
A229281 13.1734  $[ -7*x*(3*x-1)/(7*x-1)^2 \text{ ogf}]$   
A229281 13.1734  $[-(-21*x+11)/(-21*x^2+10*x-1) \text{ lgdogf}]$   
A229281 6.58670  $[ \{a(n+3)-14*a(n+2)+49*a(n+1), a(0) = 0, a(1) = 7, a(2) = 77\}, \text{ ogf}]$   
A229282 13.9345  $[ -4*x*(7*x-2)/(8*x-1)^2 \text{ ogf}]$   
A229282 13.9345  $[-(-56*x+25)/(-56*x^2+23*x-2) \text{ lgdogf}]$   
A229282 6.90091  $[ \{a(n+3)-16*a(n+2)+64*a(n+1), a(0) = 0, a(1) = 8, a(2) = 100\}, \text{ ogf}]$   
A229283 13.3080  $[ -9*x*(4*x-1)/(9*x-1)^2 \text{ ogf}]$   
A229283 13.3080  $[-(-36*x+14)/(-36*x^2+13*x-1) \text{ lgdogf}]$   
A229283 6.59061  $[ \{a(n+3)-18*a(n+2)+81*a(n+1), a(0) = 0, a(1) = 9, a(2) = 126\}, \text{ ogf}]$   
A229284 12.9815  $[ -5*x*(9*x-2)/(10*x-1)^2 \text{ ogf}]$   
A229284 13.4808  $[-(-90*x+31)/(-90*x^2+29*x-2) \text{ lgdogf}]$   
A229284 6.55141  $[ \{a(n+3)-20*a(n+2)+100*a(n+1), a(0) = 0, a(1) = 10, a(2) = 155\}, \text{ ogf}]$   
A229314 9.44203  $[ -2*(x+1)*(x^2-x+2)/(2*x^4-x^3+2*x^2+3*x-1) \text{ ogf}]$   
A229339 5.56577  $[ -(x^{12}-x^{11}+2*x^{10}-5*x^9-2*x^8-x^7-6*x^6+x^5-2*x^4+5*x^3+2*x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^2-1)/(x^4-x^2-1) \text{ ogf}]$   
A229354 11.8189  $[ -(29*x^2-27*x+6)/(2*x-1)/(3*x-1)/(x-1) \text{ ogf}]$   
A229354 6.63517  $[ \{-a(n+3)+6*a(n+2)-11*a(n+1)+6*a(n), a(0) = 6, a(1) = 9, a(2) = 17\}, \text{ ogf}]$   
A229354 6.75365  $[-(-174*x^4+324*x^3-231*x^2+74*x-9)/(-174*x^5+481*x^4-507*x^3+257*x^2-63*x+6) \text{ lgdogf}]$   
A229355 8.26667  $[ -2*(109*x^3-132*x^2+50*x-6)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1) \text{ ogf}]$   
A229356 6.63735  $[ -(1814*x^4-2543*x^3+1262*x^2-265*x+20)/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1) \text{ ogf}]$   
A229357 5.37513  $[ -(18144*x^5-28874*x^4+17295*x^3-4919*x^2+669*x-35)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1) \text{ ogf}]$   
A229358 4.27714  $[ -(196356*x^6-339112*x^5+230407*x^4-79457*x^3+14759*x^2-1407*x+54)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1) \text{ ogf}]$   
A229363 4.40191  $[ 2*x*(50*x^{15}+5*x^{14}-55*x^{13}-10*x^{12}-10*x^{11}-10*x^{10}-10*x^9+10*x^7+10*x^6+7*x^5+2*x^4+2*x^3+2*x^2+2*x+1)/(x-1)/(x+1)/(10*x^8-1) \text{ ogf}]$   
A229364 4.55516  $[ -(10*x^{14}+20*x^{13}+20*x^{12}+20*x^{11}+20*x^{10}+10*x^9-20*x^8-30*x^7-14*x^6-4*x^5-4*x^4-4*x^3-4*x^2-3*x-1)/(x-1)/(x+1)/(10*x^8-1) \text{ ogf}]$   
A229366 6.15181  $[ -(4*x^4-17*x^3+4*x^2+22*x+8)/(4*x^5-13*x^4+3*x^3+13*x^2+2*x-1) \text{ ogf}]$   
A229374 5.29509  $[ \{-a(n+3)+4*a(n+2)+a(n+1)-2*a(n), a(0) = 8, a(1) = 30, a(2) = 126\}, \text{ ogf}]$   
A229374 9.98254  $[ -2*(x^2+x-4)/(2*x^3-x^2-4*x+1) \text{ ogf}]$   
A229386 7.23986  $[ -2*(2*x-1)*(4*x^2-6*x+7)/(16*x^4-32*x^3+36*x^2-12*x+1) \text{ ogf}]$   
A229397 8.41977  $[ -(x^3-3*x^2+7*x-4)/(x-1)/(x^3-2*x^2+4*x-1) \text{ ogf}]$   
A229398 4.27051  $[ -(x-1)*(2*x^6-15*x^5+35*x^4-49*x^3+41*x^2-30*x+8)/(x^8-9*x^7+28*x^6-47*x^5+55*x^4-47*x^3+28*x^2-9*x+1) \text{ ogf}]$   
A229406 5.32980  $[ -(2*x^4-38*x^3+69*x^2-13*x-15)/(2*x^5-38*x^4+67*x^3-13*x^2-10*x+1) \text{ ogf}]$   
A229422 7.51964  $[-(2*x^4-12*x^3+21*x^2-18*x+12)/(2*x^5-12*x^4+27*x^3-30*x^2+18*x-5) \text{ lgdogf}]$   
A229422 7.98003  $[ -(2*x^4-10*x^3+17*x^2-13*x+5)/(x-1)^5 \text{ ogf}]$   
A229423 5.76323  $[ -(3*x^6-18*x^5+48*x^4-72*x^3+62*x^2-29*x+8)/(x-1)^7 \text{ ogf}]$   
A229424 3.78148  $[ -(3*x^8-27*x^7+103*x^6-222*x^5+302*x^4-272*x^3+159*x^2-53*x+12)/(x-1)^9 \text{ ogf}]$   
A229432 5.76553  $[ -(6*x-1)*(216*x^2-120*x+43)/(1296*x^4-936*x^3+342*x^2-37*x+1) \text{ ogf}]$   
A229439 7.64347  $[-(-2*x^4+12*x^3-24*x^2+16*x-7)/$

$(-2*x^5+12*x^4-28*x^3+31*x^2-17*x+4)$  lgdogf]  
A229439 8.03344 [  $-(2*x^4-10*x^3+18*x^2-13*x+4)/(x-1)^5$  ogf]  
A229440 5.50007 [  $-(2*x^6-15*x^5+44*x^4-66*x^3+57*x^2-25*x+5)/(x-1)^7$  ogf]  
A229441 4.01960 [  $-(2*x^8-19*x^7+77*x^6-177*x^5+255*x^4-224*x^3+127*x^2-40*x+6)/(x-1)^9$  ogf]  
A229446 10.3466 [  $-(5*x^3-18*x^2+19*x-8)/(x-1)^4$  ogf]  
A229446 4.27950 [  $\{(87*n^2+480*n+612)*a(n+1)+(-140*n^2-523*n-291)*a(n+2)+(53*n^2+145*n-42)*a(n+3), a(0) = 8, a(1) = 13, a(2) = 22\}$ , ogf]  
A229446 9.50448 [  $-(-5*x^3+21*x^2-21*x+13)/(-5*x^4+23*x^3-37*x^2+27*x-8)$  lgdogf]  
A229447 7.32501 [  $-(-7*x^4+24*x^3-66*x^2+44*x-25)/(-7*x^5+33*x^4-74*x^3+83*x^2-47*x+12)$  lgdogf]  
A229447 7.76895 [  $-(7*x^4-26*x^3+48*x^2-35*x+12)/(x-1)^5$  ogf]  
A229448 6.40039 [  $-(6*x^5-44*x^4+79*x^3-101*x^2+55*x-17)/(x-1)^6$  ogf]  
A229449 5.30978 [  $-(11*x^6-31*x^5+159*x^4-177*x^3+188*x^2-77*x+23)/(x-1)^7$  ogf]  
A229450 4.47143 [  $(3*x^7+123*x^6-66*x^5+456*x^4-302*x^3+329*x^2-98*x+30)/(x-1)^8$  ogf]  
A229454 8.05196 [  $(3*x^3-2*x^2+2)/(2*x^2-5*x+1)^2$  ogf]  
A229455 4.57280 [  $(8*x^6-12*x^5-27*x^4+38*x^3+17*x^2-24*x+6)/(6*x^3-15*x^2+9*x-1)^2$  ogf]  
A229463 12.0956 [  $-(78*x-28)/(26*x^2-27*x+1)$  lgdogf]  
A229463 15.7243 [  $-1/(26*x-1)/(x-1)^2$  ogf]  
A229463 5.33028 [  $\{a(n+3)-28*a(n+2)+53*a(n+1)-26*a(n), a(0) = 1, a(1) = 28, a(2) = 731\}$ , ogf]  
A229464 2.84660 [  $\{(-4*n^2-20*n-24)*a(n+1)+(8*n^2+54*n+90)*a(n+2)+(-4*n^2-34*n-73)*a(n+3)+a(n+4), a(0) = 1, a(1) = 7, a(2) = 133, a(3) = 5419\}$ , ogf]  
A229472 3.62717 [  $\{(-3*n^2-15*n-18)*a(n+1)+(4*n^2+16*n+12)*a(n+2)+(-n^2-3*n-2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6\}$ , ogf]  
A229472 7.45147 [  $x*(3*x^4-8*x^3+12*x^2-6*x+1)/(3*x-1)^2/(x-1)^2$  ogf]  
A229473 5.18666 [  $\{a(n+4)-8*a(n+3)+16*a(n+2), a(0) = 1, a(1) = 6, a(2) = 42, a(3) = 248\}$ , ogf]  
A229473 7.11658 [  $-(-32*x^3+24*x^2+12*x+6)/(32*x^4+32*x^3-18*x^2+6*x-1)$  lgdogf]  
A229473 9.71470 [  $(8*x^3+10*x^2-2*x+1)/(4*x-1)^2$  ogf]  
A229474 5.95153 [  $2*(48*x^4-23*x^3-19*x^2+7*x+1)/(8*x^2-7*x+1)^2$  ogf]  
A229475 3.50245 [  $2*(10240*x^8-4736*x^7-2824*x^6+7944*x^5-6024*x^4+2610*x^3-640*x^2+52*x+3)/(64*x^4-68*x^3+40*x^2-12*x+1)^2$  ogf]  
A229489 10.9005 [  $(2*x^4+x^3+x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A229489 5.78855 [  $\{a(n+5)-a(n+4)-a(n+3)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 6, a(4) = 10\}$ , ogf]  
A229489 8.65299 [  $-(2*x^5-2*x^4-10*x^3-6*x^2-6*x-2)/(-2*x^6-x^5+x^4+x+1)$  lgdogf]  
A229502 4.59520 [  $-(4*x^15+2*x^13+2*x^12+x^11+2*x^10+x^9+4*x^7+x^5+2*x^4+x^3+2*x^2+2*x)/(-x^16+1)$  ogf\_with\_Euler\_transform]  
A229504 16.1059 [  $6*x/(4*x-1)^2$  ogf]  
A229504 21.8581 [  $8/(-4*x+1)$  lgdogf]  
A229504 7.46373 [  $\{a(n+2)-8*a(n+1)+16*a(n), a(0) = 0, a(1) = 6\}$ , ogf]  
A229505 10.7778 [  $-48*x*(2*x-1)/(6*x-1)^2$  ogf]  
A229505 11.2004 [  $-(-12*x+10)/(-12*x^2+8*x-1)$  lgdogf]  
A229505 5.38888 [  $\{a(n+3)-12*a(n+2)+36*a(n+1), a(0) = 0, a(1) = 48, a(2) = 480\}$ , ogf]  
A229506 4.29551 [  $\{-a(n+4)+18*a(n+3)-81*a(n+2), a(0) = 0, a(1) = 288, a(2) = 4032, a(3) = 50112\}$ , ogf]  
A229506 8.07035 [  $288*x*(3*x-1)*(x-1)/(9*x-1)^2$  ogf]  
A229506 8.73185 [  $-(-30*x+14)/(27*x^3-39*x^2+13*x-1)$  lgdogf]  
A229514 10.1995 [  $-(x^3+x+3)/(x+1)/(x^3-2*x^2+3*x-1)$  ogf]  
A229522 7.59057 [  $-(9*x^8+6*x^7+7*x^6+6*x^5+5*x^4+6*x^3+3*x^2+6*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A229525 9.21956 [  $-(x^5-x^4-4*x^3-2*x^2+5*x+11)/(x-1)^3/(x+1)^3$  ogf]  
A229526 7.35950 [  $-(x^5+x^4-4*x^3-14*x^2+x+5)/(x-1)^3/(x+1)^3$  ogf]  
A229529 6.45705 [  $2*(4*x^4-16*x^3+18*x^2-6*x+1)/(2*x^2-5*x+1)^2$  ogf]



A229530 6.01156 [ (105\*x^4-274\*x^3+199\*x^2-48\*x+6)/(4\*x^2-7\*x+1)^2 ogf]  
A229535 11.5779 [ -(4\*x^2-8\*x-2)/(2\*x^3-3\*x+1) lgdogf]  
A229535 3.60201 [ {(n+3)\*a(n+4)+(-8-3\*n)\*a(n+3)-8\*a(n+2)+(4+2\*n)\*a(n+1), a(0) = 0, a(1) = 4, a(2) = 8, a(3) = 36}, ogf]  
A229535 9.97480 [ 4\*x\*(x-1)^2/(2\*x^2+2\*x-1)^2 ogf]  
A229536 4.73316 [ x\*(4\*x^6-16\*x^5-3\*x^4+40\*x^3+33\*x^2-62\*x+20)/(2\*x^3-4\*x^2-3\*x+1)^2 ogf]  
A229554 4.23861 [ {(-n^2-4\*n-4)\*a(n+1)+(n^2+5\*n+5)\*a(n+2)+(-n-1)\*a(n+3), a(0) = 8, a(1) = 8, a(2) = 15}, ogf]  
A229571 3.18084 [ 2\*x\*(40\*x^6-108\*x^5+14\*x^4+123\*x^3-87\*x^2+11\*x+3)/(2\*x-1)^3/(x-1)^3 ogf]  
A229572 13.2821 [ -(-16\*x-6)/(-12\*x^3+2\*x^2+1) lgdogf]  
A229572 13.5327 [ (6\*x^2+2\*x+1)/(2\*x-1)^2 ogf]  
A229572 6.96345 [ {-a(n+3)+4\*a(n+2)-4\*a(n+1), a(0) = 1, a(1) = 6, a(2) = 26}, ogf]  
A229573 7.32352 [ (20\*x^4+29\*x^3-54\*x^2+14\*x+2)/(2\*x-1)^2/(x-1)^2 ogf]  
A229574 6.14943 [ (4\*x^6-20\*x^5-17\*x^4+254\*x^3-231\*x^2+44\*x+6)/(2\*x-1)^2/(x-1)^2 ogf]  
A229575 6.13361 [ 2\*(20\*x^6-32\*x^5-145\*x^4+482\*x^3-337\*x^2+48\*x+10)/(2\*x-1)^2/(x-1)^2 ogf]  
A229576 5.58617 [ (156\*x^6-92\*x^5-1215\*x^4+2754\*x^3-1597\*x^2+124\*x+70)/(2\*x-1)^2/(x-1)^2 ogf]  
A229577 5.69789 [ 2\*(232\*x^6+4\*x^5-1850\*x^4+3332\*x^3-1545\*x^2-82\*x+123)/(2\*x-1)^2/(x-1)^2 ogf]  
A229580 10.4456 [ -(-8\*x-6)/(-32\*x^3+16\*x^2-6\*x+1) lgdogf]  
A229580 11.2193 [ (8\*x^2-2\*x+1)/(4\*x-1)^2 ogf]  
A229580 5.82542 [ {-a(n+3)+8\*a(n+2)-16\*a(n+1), a(0) = 1, a(1) = 6, a(2) = 40}, ogf]  
A229581 12.2179 [ -(12\*x+14)/(12\*x^2+4\*x-1) lgdogf]  
A229581 13.2577 [ 2\*(2\*x+1)/(6\*x-1)^2 ogf]  
A229581 7.33073 [ {-a(n+2)+12\*a(n+1)-36\*a(n), a(0) = 2, a(1) = 28}, ogf]  
A229582 4.91263 [ {-a(n+3)+18\*a(n+2)-81\*a(n+1), a(0) = 6, a(1) = 116, a(2) = 1620}, ogf]  
A229582 8.77831 [ -(54\*x+58)/(81\*x^3+27\*x^2+23\*x-3) lgdogf]  
A229582 9.56209 [ 2\*(9\*x^2+4\*x+3)/(9\*x-1)^2 ogf]  
A229583 6.17532 [ -4\*(18\*x^3-3\*x^2+9\*x-4)/(18\*x^2-15\*x+1)^2 ogf]  
A229584 3.86864 [ 4\*(1701\*x^5-1485\*x^4+93\*x^3+262\*x^2-95\*x+10)/(81\*x^3-90\*x^2+25\*x-1)^2 ogf]  
A229587 11.1051 [ -(-10\*x+14)/(3\*x^3-13\*x^2+13\*x-3) lgdogf]  
A229587 11.6896 [ 2\*x\*(x-1)\*(x-3)/(3\*x-1)^2 ogf]  
A229587 5.74403 [ {-a(n+4)+6\*a(n+3)-9\*a(n+2), a(0) = 0, a(1) = 6, a(2) = 28, a(3) = 116}, ogf]  
A229588 5.57621 [ 4\*x\*(37\*x^4-47\*x^3+35\*x^2-34\*x+10)/(2\*x^2-5\*x+1)^2 ogf]  
A229593 7.56842 [ -x\*(x+1)\*(2\*x^2-x+2)/(x^2+x+1)^2/(x-1)^3 ogf]  
A229598 6.59253 [ -(x+1)\*(x^4-2\*x^3+5\*x^2-2\*x+1)/(x^2+x+1)^2/(x-1)^3 ogf]  
A229600 3.20875 [ {(-48057\*n^2-89085\*n)\*a(n+1)+(104102\*n^2+542220\*n+663772)\*a(n+2)+(-29361\*n^2-122799\*n-128154)\*a(n+3), a(0) = 0, a(1) = 6, a(2) = 39}, ogf]  
A229600 8.51554 [ -(33\*x^2-64\*x+39)/(-6\*x^4+41\*x^3-58\*x^2+33\*x-6) lgdogf]  
A229600 8.62613 [ x\*(2\*x^3-13\*x^2+15\*x-6)/(3\*x-1)^3 ogf]  
A229601 4.53898 [ (8\*x^6-127\*x^5+137\*x^4+74\*x^3-108\*x^2+24\*x+1)/(2\*x^2-5\*x+1)^3 ogf]  
A229611 13.1699 [ 1/(11\*x-1)/(x-1)^3 ogf]  
A229611 13.4232 [ -(44\*x-14)/(11\*x^2-12\*x+1) lgdogf]  
A229611 4.44589 [ {(-n-3)\*a(n+3)+(38+12\*n)\*a(n+2)+(-55-11\*n)\*a(n+1), a(0) = 1, a(1) = 14, a(2) = 160}, ogf]  
A229615 14.3019 [ -(4\*x-2)/(-x^2+x-1) ogf\_with\_Euler\_transform]  
A229616 9.43525 [ -(-4\*x^5-12\*x^4-6\*x^3-8\*x^2-6\*x-12)/(x^6-1) ogf\_with\_Euler\_transform]  
A229620 11.2375 [ -(-4\*x^4+15\*x^3+55\*x^2+59\*x+19)/(-2\*x^5+7\*x^4+12\*x^3-4\*x^2-10\*x-3) lgdogf]  
A229620 12.5958 [ -2\*x\*(2\*x+1)\*(x^2-4\*x-3)/(x+1)/(x-1)^4 ogf]

A229621 7.00785 [  $-x*(10*x^{29}-80*x^{19}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A229632 4.21621 [  $-(88*x^6-540*x^5+1114*x^4-891*x^3+275*x^2-25*x-1)/(2*x^2-5*x+1)^3$  ogf]  
A229633 3.84618 [  $(25*x^8-76*x^7-1825*x^6+7326*x^5-9539*x^4+4803*x^3-976*x^2+59*x+3)/(4*x^2-7*x+1)^3$  ogf]  
A229638 5.94477 [  $2*x*(x-1)*(10*x^3-36*x^2+5*x+3)/(2*x^2+2*x-1)^3$  ogf]  
A229659 14.1522 [  $-(72*x^{17}+73*x^{16}-72*x^8+8*x^7)/(-x^{18}-x^{17}+2*x^9+x^8-1)$  lgdogf]  
A229660 13.9039 [  $-(90*x^{19}-91*x^{18}+90*x^9-9*x^8)/(x^{20}+x^{19}-2*x^{10}-x^9+1)$  lgdogf]  
A229660 4.92881 [  $-(9*x^{29}+9*x^{28}+9*x^{27}-x^{26}+x^{18}-9*x^9+x^8)/(x^{20}+x^{19}+x^{18}-1)$  ogf\_with\_Euler\_transform]  
A229665 3.35992 [  $\{(-3*n^2-15*n-18)*a(n+1)+(4*n^2+12*n)*a(n+2)+(-n^2-n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3, a(4) = 12\}$ , ogf]  
A229665 4.67467 [  $x^2*(9*x^6-36*x^5+57*x^4-59*x^3+33*x^2-9*x+1)/(3*x-1)^3/(x-1)^3$  ogf]  
A229666 6.73177 [  $x*(32*x^4+104*x^3-112*x^2-13*x-4)/(4*x-1)^3$  ogf]  
A229667 4.29397 [  $-(2880*x^6-400*x^5-4524*x^4+3098*x^3-445*x^2-40*x-1)/(8*x^2-7*x+1)^3$  ogf]  
A229679 3.88577 [  $\{a(n+5)-12*a(n+4)+48*a(n+3)-64*a(n+2), a(0) = 0, a(1) = 2, a(2) = 36, a(3) = 360, a(4) = 2688\}$ , ogf]  
A229679 7.47642 [  $2*x*(16*x^3-12*x^2-6*x-1)/(4*x-1)^3$  ogf]  
A229679 8.55996 [  $-(72*x+18)/(-64*x^4+64*x^3+12*x^2-2*x-1)$  lgdogf]  
A229680 4.26223 [  $\{a(n+4)-18*a(n+3)+108*a(n+2)-216*a(n+1), a(0) = 0, a(1) = 36, a(2) = 888, a(3) = 10896\}$ , ogf]  
A229680 8.01972 [  $12*x*(10*x+1)*(10*x-3)/(6*x-1)^3$  ogf]  
A229680 8.46526 [  $-(-600*x^2+40*x+74)/(-600*x^3+220*x^2-2*x-3)$  lgdogf]  
A229681 4.92606 [  $24*x*(1296*x^4-2007*x^3+839*x^2-49*x-15)/(9*x-1)^3$  ogf]  
A229689 4.17987 [  $\{a(n+4)-18*a(n+3)+108*a(n+2)-216*a(n+1), a(0) = 1, a(1) = 43, a(2) = 626, a(3) = 6732\}$ , ogf]  
A229689 7.11573 [  $-(-564*x^2+220*x+43)/(-648*x^4-132*x^3+190*x^2-19*x-1)$  lgdogf]  
A229689 7.66309 [  $(108*x^3+40*x^2-25*x-1)/(6*x-1)^3$  ogf]  
A229690 3.45624 [  $\{a(n+4)-27*a(n+3)+243*a(n+2)-729*a(n+1), a(0) = 3, a(1) = 245, a(2) = 5077, a(3) = 80757\}$ , ogf]  
A229690 6.22977 [  $-(1026*x^3-809*x^2+164*x+3)/(9*x-1)^3$  ogf]  
A229691 3.28090 [  $-(11664*x^6-37260*x^5+52632*x^4-30531*x^3+8122*x^2-631*x-12)/(18*x^2-15*x+1)^3$  ogf]  
A229695 7.14600 [  $x*(8*x^4-46*x^3+61*x^2-16*x-3)/(3*x-1)^3$  ogf]  
A229696 3.33943 [  $-x*(64*x^8+192*x^7+2744*x^6-6260*x^5+5085*x^4-2976*x^3+1073*x^2-26*x-40)/(2*x^2-5*x+1)^3$  ogf]  
A229702 10.8962 [  $-1/(6*x-1)/(x-1)^4$  ogf]  
A229702 12.4216 [  $-(30*x-10)/(6*x^2-7*x+1)$  lgdogf]  
A229702 4.03300 [  $\{(-n-3)*a(n+3)+(24+7*n)*a(n+2)+(-36-6*n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 70\}$ , ogf]  
A229723 4.63858 [  $-(-2*x^{11}+x^{10}-x^9-x^7+x^6-3*x^5+x^4-x^3-x+1)/(x^{12}-1)$  ogf\_with\_Euler\_transform]  
A229731 7.35467 [  $-(x^6+4*x^5-x^4-16*x^3-5*x^2+24*x+19)/(x^7+4*x^6+x^5-11*x^4-5*x^3+14*x^2+5*x-6)$  lgdogf]  
A229731 9.68486 [  $-x^4*(x+2)*(x^4+x^3-3*x^2-x+3)/(x^2+x-1)^3$  ogf]  
A229732 10.8183 [  $-x^4*(x^4+x^3-x^2+2)/(x^2+x-1)^3$  ogf]  
A229732 8.75766 [  $-(-2*x^5-2*x^4-2*x^2-10*x-6)/(-x^6-2*x^5+x^4+2*x^3-3*x^2-2*x+2)$  lgdogf]  
A229735 6.07202 [  $x*(x^6+62*x^5+575*x^4+1140*x^3+575*x^2+62*x+1)/(x-1)^8$  ogf]  
A229736 9.27777 [  $-x^5*(x^3-3*x^2+5*x-2)/(x^2-3*x+1)/(2*x-1)^2/(x-1)^2$  ogf]  
A229737 10.4415 [  $-x^2*(x-1)*(x^3+4*x^2-4*x+1)/(2*x-1)^2/(x^2-3*x+1)$  ogf]  
A229737 7.63033 [  $-(14*x^5-42*x^4+58*x^3-40*x^2+14*x-2)/(2*x^7-x^6-32*x^5+80*x^4-80*x^3+40*x^2-10*x+1)$  lgdogf]  
A229749 4.31330 [  $\{a(n+5)-6*a(n+4)+12*a(n+3)-8*a(n+2), a(0) = 0, a(1) = 3, a(2) = 60, a(3) = 422, a(4) = 1840\}$ , ogf]  
A229749 7.98759 [  $-((208*x^2+364*x+60)/(8*x^4+192*x^3-14*x^2-36*x-3))$  lgdogf]

A229749 8.51309 [  $-x*(4*x^3+98*x^2+42*x+3)/(2*x-1)^3$  ogf]  
A229750 4.62431 [  $-(64*x^7+612*x^6+176*x^5-1706*x^4+1118*x^3-91*x^2-51*x-1)/(2*x-1)^3/(x-1)^3$  ogf]  
A229751 3.87010 [  $(8*x^{10}-60*x^9-58*x^8+863*x^7+132*x^6-6731*x^5+7089*x^4-825*x^3-1352*x^2+395*x+3)/(2*x-1)^3/(x-1)^3$  ogf]  
A229752 3.45291 [  $(208*x^{10}-440*x^9-1124*x^8+686*x^7+10370*x^6-20791*x^5+3670*x^4+13758*x^3-9355*x^2+1732*x+12)/(2*x-1)^3/(x-1)^3$  ogf]  
A229753 3.49923 [  $(888*x^{10}-356*x^9-3870*x^8-8491*x^7+35422*x^6-14894*x^5-64351*x^4+85810*x^3-39050*x^2+6006*x+50)/(2*x-1)^3/(x-1)^3$  ogf]  
A229754 3.16732 [  $2*(1360*x^{10}+504*x^9-2936*x^8-21756*x^7+30816*x^6+63288*x^5-187916*x^4+170088*x^3-65743*x^2+9071*x+105)/(2*x-1)^3/(x-1)^3$  ogf]  
A229775 3.18160 [  $-(x^9-10*x^8+45*x^7-118*x^6+125*x^5-912*x^4-1101*x^3-912*x^2-122*x-20)/(x-1)^{10}$  ogf]  
A229788 10.4015 [  $-2*x^2*(x-2)/(2*x-1)/(x-1)^3$  ogf]  
A229788 11.0416 [  $-(-6*x^2+18*x-9)/(-2*x^3+7*x^2-7*x+2)$  lgdogf]  
A229788 4.07786 [  $\{(-2*n^2-14*n-20)*a(n+1)+(3*n^2+17*n+18)*a(n+2)+(-n^2-5*n-4)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 4\}$ , ogf]  
A229793 11.4264 [  $-(-5*x^2+5)/(-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A229795 7.48637 [  $-(-x^4+6*x^3-18*x^2+2*x-29)/(-x^5+6*x^4-16*x^3+17*x^2-13*x+7)$  lgdogf]  
A229795 7.87628 [  $-(x^4-5*x^3+11*x^2-6*x+7)/(x-1)^5$  ogf]  
A229796 3.15106 [  $-(x^9-10*x^8+46*x^7-121*x^6-420*x^5-4687*x^4-7676*x^3-4513*x^2-719*x-45)/(x-1)^{10}$  ogf]  
A229802 8.04278 [  $-(-2*x^3-4*x^2-x+2)/(x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A229816 16.0599 [  $-(x^6-x^5-x^3+2*x)/(x-1)$  ogf\_with\_Euler\_transform]  
A229828 4.23861 [  $\{(-n^2-4*n-4)*a(n+1)+(n^2+5*n+5)*a(n+2)+(-n-1)*a(n+3), a(0) = 6, a(1) = 6, a(2) = 13\}$ , ogf]  
A229829 7.66913 [  $(x^8+x^7+2*x^6+3*x^5+x^4+3*x^3+2*x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A229834 10.1691 [  $-(x^2+4*x+1)/(x-1)^3/(x+1)^4$  ogf]  
A229834 12.9552 [  $-(-5*x^3-23*x^2-5*x-3)/(-x^4-4*x^3+4*x+1)$  lgdogf]  
A229838 9.67476 [  $-(x^5-x^4-x^3-2*x^2-2*x-3)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A229841 9.18040 [  $-3*(3*x^3-1)/(x-1)/(5*x^3+6*x^2+4*x-1)$  ogf]  
A229852 8.54895 [  $-3*(x^4+24*x^3+22*x^2+24*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A229853 14.3901 [  $-(-383*x-385)/(-383*x^2+382*x+1)$  lgdogf]  
A229853 17.1456 [  $(383*x+1)/(x-1)^2$  ogf]  
A229853 9.59339 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 385\}$ , ogf]  
A229855 14.1500 [  $-(127*x+641)/(127*x^2+130*x-257)$  lgdogf]  
A229855 16.7490 [  $(127*x+257)/(x-1)^2$  ogf]  
A229855 9.54301 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 257, a(1) = 641\}$ , ogf]  
A229858 11.9010 [  $-(x^5-x^4+x^2+x-3)/(x-1)^2$  ogf]  
A229858 8.55386 [  $-(3*x^5-7*x^4+4*x^3-3*x+5)/(-x^6+2*x^5-x^4-x^3+4*x-3)$  lgdogf]  
A229903 3.59685 [  $\{a(n+3)-a(n+2)-100000*a(n+1)+1000000*a(n), a(0) = 190, a(1) = 19190, a(2) = 191919190\}$ , ogf]  
A229903 5.83959 [  $190*(10000*x^2+100*x+1)/(x-1)/(1000*x+1)/(1000*x-1)$  ogf]  
A229912 8.99011 [  $-x*(3*x^3-2*x^2-6*x+3)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A229963 11.0604 [  $2048*x/(1+(1+4*x)^{(1/2)})^{11}$  revogf]  
A229975 12.6910 [  $(5*x+2)/(x-1)/(10*x-1)/(x+1)$  ogf]  
A229975 5.96585 [  $\{a(n+3)-10*a(n+2)-a(n+1)+10*a(n), a(0) = 2, a(1) = 25, a(2) = 252\}$ , ogf]  
A229975 7.93188 [  $-((100*x^3+55*x^2-4*x-25)/(50*x^4+15*x^3-52*x^2-15*x+2))$  lgdogf]  
A230018 11.3805 [  $(7*x^2+13*x+7)/(x-1)^4$  ogf]  
A230018 11.8900 [  $-((-14*x^2-53*x-41)/(-7*x^3-6*x^2+6*x+7))$  lgdogf]  
A230018 3.88601 [  $\{(-7*n-28)*a(n+4)+(23-6*n)*a(n+3)+(65+6*n)*a(n+2)+(21+7*n)*a(n+1), a(0) = 7, a(1) = 41, a(2) = 129, a(3) = 298\}$ , ogf]

A230024 4.85277 [ -  
 $(x^{15}+15x^{14}+4x^{13}+13x^{12}+x^{11}+3x^{10}+4x^9+9x^8+x^7+7x^6+4x^5+5x^4+x^3+11x^2+4x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf ]  
A230051 4.87974 [  $9*(x^9-17x^8-980179200x+8821612800)/(24301x^{10}-437418x^9+1968957x^8+8821612800x^2-88216128000x+79394515200)$  ogf ]  
A230056 14.2217 [  $-(-6x+8)/(-5x^3+9x^2-2x-2)$  lgdegf ]  
A230056 15.0267 [  $-1/2*(5x^2-4x-2)/(x-1)^2$  ogf ]  
A230056 3.98207 [  $\{(15n^2+15n)*a(n)+(8n^2+17n+27)*a(n+1)+(n^2-n-2)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 9\}$ , ogf ]  
A230063 10.4597 [  $-9x*(2x-1)/(2x+1)/(4x^2-9x+1)$  ogf ]  
A230063 5.46124 [  $\{a(n+3)-7a(n+2)-14a(n+1)+8a(n), a(0) = 0, a(1) = 9, a(2) = 45\}$ , ogf ]  
A230063 8.01455 [  $-(-32x^3+52x^2-28x-5)/(-16x^4+36x^3-9x+1)$  lgdogf ]  
A230071 4.50969 [  $\{(n+2)*a(n+1)-a(n+2)+(-n-4)*a(n+3)+a(n+4), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 6\}$ , ogf ]  
A230074 15.3549 [  $-(2x^3-2x^2-2x-2)/(x^4-1)$  lgdogf ]  
A230074 17.3829 [  $-(x-1)/(x+1)/(x^2+1)$  ogf ]  
A230074 36.7802 [  $[x^3-2]$  ogf\_with\_Euler\_transform ]  
A230074 8.22584 [  $\{-a(n+3)-a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = -2, a(2) = 1\}$ , ogf ]  
A230075 10.5896 [  $\{-a(n+4)-a(n), a(0) = 2, a(1) = 1, a(2) = 0, a(3) = 1\}$ , ogf ]  
A230075 18.8019 [  $(x+1)*(x^2-x+2)/(x^4+1)$  ogf ]  
A230080 7.08876 [  $-x*(x^3-x^2-4x+3)/(x^5-x^4-4x^3+3x^2+3x-1)$  ogf ]  
A230081 8.14654 [  $x*(x^2-x-4)/(x^5-x^4-4x^3+3x^2+3x-1)$  ogf ]  
A230089 11.2748 [  $-(4x^5-x^4-2x^3-2x^2-2x-1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf ]  
A230093 29.2417 [  $-x^{19}+x^{10}+x$  ogf\_with\_Euler\_transform ]  
A230094 8.90207 [  $-(16x^9-2x^8-2x^7-2x^6-2x^5-2x^4-2x^3-2x^2-2x-101)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf ]  
A230096 13.2433 [  $-(2x^3-x^2+1)/(2x^2-1)/(x^2+1)$  ogf ]  
A230102 6.65652 [  $-(28x^{10}+12x^9+24x^8+12x^7+4x^6+6x^5+8x^4+4x^3+2x^2+x+1)/(x-1)$  ogf ]  
A230113 5.70544 [  $-(4x^{16}+2x^{15}-x^{13}-x^{12}-x^{11}+2x^9+x^8-x^7-x^6-x^5+x^3+x^2+x+3)/(x-1)/(x^{16}+1)$  ogf ]  
A230128 10.9906 [  $x^4*(2x^2+x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^2$  ogf ]  
A230149 9.75433 [  $x^5*(2x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A230167 5.72879 [  $x^5*(2x^9-2x^6-3x^5-5x^4-4x^3-4x^2-2x-2)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf ]  
A230170 4.50437 [  $-(8x^3-16x^2-12x-3)*(2x^3-11x^2+x-1)/(16x^7+40x^6+160x^5+62x^4+67x^3-2x^2+6x-1)$  ogf ]  
A230179 12.3298 [  $-(8x-9)/(4x^2-9x+1)$  lgdogf ]  
A230179 17.9343 [  $3/(4x^2-9x+1)$  ogf ]  
A230179 7.13051 [  $\{-a(n+2)+9a(n+1)-4a(n), a(0) = 3, a(1) = 27\}$ , ogf ]  
A230180 5.38367 [  $-3*(9x^4-69x^3+50x^2-25x+3)/(x-1)/(x^4-17x^3+72x^2-25x+1)$  ogf ]  
A230185 6.40287 [  $3x*(3x^4-3x^3-4x^2-3x+3)/(x-1)/(x+1)/(5x^3+6x^2+4x-1)$  ogf ]  
A230193 5.63673 [  $(3x^{12}+3x^{11}+3x^{10}+2x^9+x^8+3x^7+3x^6+3x^5+x^4+2x^3+3x^2+3x+3)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A230196 10.6461 [  $x^6*(2x^2+2x+1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A230197 6.83958 [  $x^7*(2x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A230198 7.58324 [  $x^8*(2x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x-1)^2$  ogf ]  
A230204 4.45446 [  $-(-2x^{12}+x^{10}-2x^8-2x^4+x-2)/(x^{13}-x^{12}+x^9-x^8+x^5-x^4+x-1)$  ogf\_with\_Euler\_transform ]  
A230205 3.83118 [  $-(-2x^{12}+x^{11}-x^{10}-x^8-2x^4+x^3-x-1)/(x^{13}-x^{12}+x^9-x^8+x^5-x^4+x-1)$  ogf\_with\_Euler\_transform ]

A230216 9.16026 [  $-(4x^5+2x^4+x^3+x^2+x+1)/(x^3+x^2+x-1)$  ogf]  
A230231 4.54840 [  $5*(x^{10}-19x^9-33522128640x+335221286400)/(46184x^{11}-923680x^{10}+4618805x^9+167610643200x^2-1843717075200x+1676106432000)$  egf]  
A230239 8.34888 [  $x*(3x+1)*(x+1)*(x^2+1)*(x^2-x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A230240 5.71430 [  $x*(5x^{11}+3x^{10}+x^9+2x^8+6x^7+3x^6+3x^5+4x^4+2x^3+3x^2+3x+1)/(x+1)/(x^4-x^2+1)/(x^2+1)/(x^2-x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A230245 10.4516 [  $2x*(x-1)/(4x^3+x^2+4x-1)$  ogf]  
A230245 5.36705 [  $\{a(n+3)-4a(n+2)-a(n+1)-4a(n), a(0) = 0, a(1) = 2, a(2) = 6\}$ , ogf]  
A230245 7.35485 [  $-(-8x^3+11x^2+2x+3)/(-4x^4+3x^3-3x^2+5x-1)$  lgdogf]  
A230257 7.97500 [  $x^9*(2x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x^4+1)/(x-1)^2$  ogf]  
A230267 8.05416 [  $-(x^3-2x^2+2x+1)/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A230269 10.3343 [  $-(-6x^2-2x+4)/(-2x^3-x^2+4x-1)$  lgdogf]  
A230269 14.6976 [  $2x^2/(x-1)/(2x^2+3x-1)$  ogf]  
A230269 6.01267 [  $\{-a(n+3)+4a(n+2)-a(n+1)-2a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A230276 7.44224 [  $-x*(x^4+3x^3+4x^2+1)/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A230278 14.8197 [  $-(-6x+4)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A230280 14.8097 [  $-(-6x+4)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A230307 10.8608 [  $-(5777x^2-8830x+3331)/(x-1)^3$  ogf]  
A230307 6.33547 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 3331, a(1) = 1163, a(2) = -727\}$ , ogf]  
A230307 8.73857 [  $-(5777x^2-6106x+1163)/(5777x^3-14607x^2+12161x-3331)$  lgdogf]  
A230322 7.94549 [  $-(-x^3+x)/(-x^6-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A230331 10.6825 [  $-2x*(2x+3)/(4x^3+8x^2+5x-1)$  ogf]  
A230331 5.43664 [  $\{-a(n+3)+5a(n+2)+8a(n+1)+4a(n), a(0) = 0, a(1) = 6, a(2) = 34\}$ , ogf]  
A230331 6.99890 [  $-(16x^3+52x^2+48x+17)/(8x^4+28x^3+34x^2+13x-3)$  lgdogf]  
A230368 5.90710 [  $-(4x^{10}+4x^9+4x^8+5x^7+3x^6+3x^5+3x^4-5x^3-x^2-x-1)/(x-1)/(x+1)/(2x^2+1)/(2x^2-1)/(x^2+1)/(x^4+1)$  ogf]  
A230370 5.14413 [  $-x^2*(11x^8-5x^7-21x^6+6x^5+9x^4+x^2+3x+3)/(x+1)^2/(x-1)^3$  ogf]  
A230382 3.25695 [  $\{(8n^4+52n^3+88n^2+32n)*a(n)+(-12n^4-124n^3-474n^2-770n-420)*a(n+1)+(3n^3+23n^2+54n+40)*a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A230393 12.7001 [  $2x^4/(6x^5+9x^4+4x^3-4x+1)$  ogf]  
A230393 7.73683 [  $-(-30x^4-36x^3-12x^2+4)/(-6x^5-9x^4-4x^3+4x-1)$  lgdogf]  
A230402 3.55784 [  $-168*(9x^{10}-2x^9+22x^8+6x^7+11x^6+52x^5+11x^4+6x^3+22x^2-2x+9)/(x+1)/(x^2-x+1)^2/(x^2+x+1)^2/(x-1)^3$  ogf]  
A230411 11.2924 [  $-(x^{28}+x^9+x^4+x^2+x+1)/(x-1)$  ogf]  
A230412 13.0787 [  $x^{22}-x^{19}+x^4-x^2+1$  ogf\_with\_Euler\_transform]  
A230431 8.18690 [  $x^3*(19x^{26}-19x^{25}+5x^7-5x^6+2x^2-2x+1)/(x-1)^2$  ogf]  
A230432 7.38702 [  $-x*(102x^{28}-102x^{27}+24x^9-24x^8+7x^4-7x^3+3x^2-x-1)/(x-1)^2$  ogf]  
A230442 18.2520 [  $-(3x+2)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A230462 8.35586 [  $(x^6+10x^5+2x^4+4x^3+2x^2+10x+1)/(x^2-x+1)/(x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A230464 3.64568 [  $-2x^2*(108x^4-36x^3-525x^2+8x+57)/(216x^7+360x^6-186x^5-91x^4-66x^3+12x^2+12x-1)$  ogf]  
A230470 9.22557 [  $-36x^3/(x+1)/(24x^4-4x^3-8x^2+7x-1)$  ogf]  
A230501 10.2658 [  $-(x^{43}-x^{42}+x^{41}+x^{14}+x^3+1)/(x-1)$  ogf]  
A230509 8.14526 [  $2x^3*(x-1)/(12x^5+9x^4-5x^3-4x^2+5x-1)$  ogf]  
A230520 10.2566 [  $-6x*(x+2)/(18x^3+9x^2+6x-1)$  ogf]  
A230520 5.30822 [  $\{a(n+3)-6a(n+2)-9a(n+1)-18a(n), a(0) = 0, a(1) = 12, a(2) = 78\}$ , ogf]

A230520 6.79929  $[-(36x^3+117x^2+36x+13)/(18x^4+45x^3+24x^2+11x-2) \text{ lgdogf}]$   
A230529 9.44778  $[2x^6/(10x^7+17x^6+12x^5+8x^4+4x^3-4x+1) \text{ ogf}]$   
A230535 16.0293  $[-(2x^2-2)/(-x^4-1) \text{ ogf\_with\_Euler\_transform}]$   
A230536 12.4197  $[-(-x^2+1)/(-x^4+x^2-1) \text{ ogf\_with\_Euler\_transform}]$   
A230539 16.9259  $[12x/(8x-1)^2 \text{ ogf}]$   
A230539 23.3460  $[16/(-8x+1) \text{ lgdogf}]$   
A230539 8.05994  $[{a(n+2)-16a(n+1)+64a(n), a(0) = 0, a(1) = 12}, \text{ ogf}]$   
A230540 17.7439  $[6x/(9x-1)^2 \text{ ogf}]$   
A230540 23.8626  $[18/(-9x+1) \text{ lgdogf}]$   
A230540 8.33752  $[{a(n+2)-18a(n+1)+81a(n), a(0) = 0, a(1) = 6}, \text{ ogf}]$   
A230547 3.73468  $[{(27n^3+351n^2+1518n+2184)*a(n+1)+(-4n^3-58n^2-256n-312)*a(n+2), a(0) = 1, a(1) = 9}, \text{ ogf}]$   
A230548 5.09681  $[-x*(x^9+x^7+2x^4+3x^3+2x^2+2x+1)/(x^2-x+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^3 \text{ ogf}]$   
A230549 4.42066  $[(3x^{10}+4x^8-3x^7-8x^6-4x^5+x^4-4x^3-4x^2-5x-4)/(x^2-x+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^3 \text{ ogf}]$   
A230550 4.20216  $[(2x^{10}-x^9-2x^8-8x^7-11x^6-8x^5-6x^4-7x^3-4x^2-2x-1)/(x^2-x+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^3 \text{ ogf}]$   
A230567 4.25308  $[-2x^2*(x^4-22x^3+9x^2-x+1)/(x^7-44x^6+476x^5+13x^4-12x^3-66x^2+17x-1) \text{ ogf}]$   
A230579 5.36927  $[-(171x^8+85x^7+43x^6+21x^5+11x^4+5x^3+3x^2+x+1)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) \text{ ogf}]$   
A230584 9.15788  $[(x^6-2x^5+x^3+x^2-x-2)/(x+1)^2/(x-1)^3 \text{ ogf}]$   
A230585 4.84076  $[{(40n^2+100n)*a(n)+(-46n^2-238n-252)*a(n+1)+(9n^2+63n+90)*a(n+2), a(0) = 3, a(1) = 5}, \text{ ogf}]$   
A230586 7.42192  $[(x^4-4x^3+126x^2-4x+1)/(x-1)^6 \text{ ogf}]$   
A230586 7.56464  $[-(-2x^4+8x^3-492x^2-232x-2)/(-x^5+5x^4-130x^3+130x^2-5x+1) \text{ lgdogf}]$   
A230588 9.42339  $[2*(x-1)*x^2/(8x^4+5x^3-5x^2+5x-1) \text{ ogf}]$   
A230610 6.04962  $[-2x*(x^3-6x^2+1)/(x-1)/(x^4-11x^3+31x^2-14x+1) \text{ ogf}]$   
A230611 4.24832  $[4x*(2x^5-111x^4+103x^3-5x^2-3x-2)/(8x^6-x^5+79x^4+42x^3-126x^2+31x-1) \text{ ogf}]$   
A230628 14.4630  $[-2*(x^2-2x-2)/(x-1)^2 \text{ ogf}]$   
A230628 19.1635  $[6/(x^3-3x^2+2) \text{ lgdogf}]$   
A230628 7.37059  $[{-a(n+3)+2a(n+2)-a(n+1), a(0) = 4, a(1) = 12, a(2) = 18}, \text{ ogf}]$   
A230644 6.38397  $[-(48778x^6+17661x^5+1885x^4-41x^3-65x^2-20x-2)/(707281x^8-1680x^4+1) \text{ ogf}]$   
A230645 5.35456  $[-(707281x^7+121945x^6+16820x^5+4118x^4-840x^3-142x^2-21x-5)/(707281x^8-1680x^4+1) \text{ ogf}]$   
A230647 10.8060  $[-3x*(2x+1)*(x-1)/(4x^4-9x^2+1) \text{ ogf}]$   
A230648 7.27526  $[3x*(x+1)*(x^2-5x+3)/(x^4+x^3-8x^2-3x+1) \text{ ogf}]$   
A230658 10.1947  $[-3x*(2x^2-5x-1)/(4x^4-9x^2+1) \text{ ogf}]$   
A230659 4.50469  $[3x*(16x^8+44x^6-54x^5-94x^4-216x^3+118x^2-45x-5)/(32x^8-2x^6-230x^4+59x^2-1) \text{ ogf}]$   
A230670 4.96294  $[-3*(21x^4-31x^3+24x^2-15x-1)/(19x^5-30x^4+9x^3-9x^2-14x+1) \text{ ogf}]$   
A230676 6.68814  $[3x*(4x^2-4x-5)/(8x^5+12x^4+20x^3+6x^2+5x-1) \text{ ogf}]$   
A230683 3.83020  $[-2x^3*(x^5-38x^4+9x^3+8x^2-x+1)/(x^9-76x^8+1404x^7+671x^6+14x^5+20x^4-66x^3-64x^2+17x-1) \text{ ogf}]$   
A230701 11.0814  $[-2*(x+1)/(x-1)/(x^4+x^3-5x^2-2x+1) \text{ ogf}]$   
A230723 5.00308  $[x*(x^8-2x^7-x^6-12x^5-16x^4-19x^3-7x^2-3x-1)/(x^2+x+1)/(x+1)^3/(x-1)^7 \text{ ogf}]$   
A230726 4.98781  $[-2x*(x-1)*(x^3-30x^2+1)/(x^6-61x^5+918x^4-87x^3+12x^2-16x+1) \text{ ogf}]$   
A230776 5.53362  $[[2] \text{ ogf\_with\_Euler\_transform}]$   
A230782 4.98489  $[-2x*(24x^4+26x^3+11x^2-13x-3)/(192x^6-8x^5+40x^4-44x^3+3x^2-10x+1) \text{ ogf}]$   
A230800 11.4891  $[-2x*(x-1)/(5x^3-6x^2-2x+1) \text{ ogf}]$   
A230800 5.89980  $[{a(n+3)-2a(n+2)-6a(n+1)+5a(n), a(0) = 0, a(1) = 2, a(2) = 2}, \text{ ogf}]$

A230800 7.79617 [  $[-(-10*x^3+21*x^2-12*x-1)/(-5*x^4+11*x^3-4*x^2-3*x+1)$  lgdogf]  
A230813 7.12126 [  $[-(24*x^4-32*x^3+10*x^2+2*x)/(8*x^5-12*x^4+2*x^3-3*x^2+4*x-1)$  lgdogf]  
A230813 9.90784 [  $[-2*x^2*(2*x-1)/(4*x^4-4*x^3-x^2-2*x+1)$  ogf]  
A230825 8.30993 [  $[2*x*(x-1)*(x^2+2*x-1)/(x^4+3*x^3+2*x^2-4*x+1)$  ogf]  
A230835 8.75821 [  $[-2*x*(2*x^2-3*x-1)/(x^2+1)/(4*x^2-8*x+1)$  ogf]  
A230864 12.2395 [  $[-x*(x^{15}+x^3+x+1)/(x-1)$  ogf]  
A230874 2.98264 [  $[-(65520*x^8+12*x^4+2*x^2+x+1)/(x-1)$  ogf]  
A230875 6.73623 [  $[-x*(65520*x^{15}+12*x^7+2*x^3+x+1)/(x-1)$  ogf]  
A230893 11.9258 [  $[-2*x*(x-1)/(2*x^3-3*x^2-2*x+1)$  ogf]  
A230893 6.12405 [  $\{a(n+3)-2*a(n+2)-3*a(n+1)+2*a(n), a(0) = 0, a(1) = 2, a(2) = 2\}$ , ogf]  
A230893 8.49711 [  $[-(-4*x^3+9*x^2-6*x-1)/(-2*x^4+5*x^3-x^2-3*x+1)$  lgdogf]  
A230904 10.2755 [  $[2*x*(x^2+x-1)/(x^3-6*x^2+5*x-1)$  ogf]  
A230904 5.05992 [  $\{a(n+4)-5*a(n+3)+6*a(n+2)-a(n+1), a(0) = 0, a(1) = 2, a(2) = 8, a(3) = 26\}$ , ogf]  
A230904 6.74657 [  $[-(x^4+2*x^3-14*x^2+14*x-4)/(x^5-5*x^4-2*x^3+10*x^2-6*x+1)$  lgdogf]  
A230905 3.79263 [  $[2*x*(x^9-x^8+10*x^7-16*x^6-32*x^5+51*x^4-34*x^2+21*x-4)/(2*x-1)/(2*x^7-4*x^6+8*x^5+5*x^4-23*x^3+21*x^2-8*x+1)$  ogf]  
A230911 3.94944 [  $[-2*x^2*(x-1)*(x^3-46*x^2+9*x-4)/(x^7-93*x^6+2152*x^5-919*x^4+469*x^3-91*x^2+18*x-1)$  ogf]  
A230920 7.02570 [  $[6*x*(x+2)*(x-1)/(4*x^5-2*x^4+16*x^3+14*x^2+5*x-1)$  ogf]  
A230928 14.0907 [  $[-2*(x+1)/(5*x^2-1)/(x^2+1)$  ogf]  
A230928 7.04535 [  $[-(-15*x^4-20*x^3-4*x^2-8*x-1)/(-5*x^5-5*x^4-4*x^3-4*x^2+x+1)$  lgdogf]  
A230929 10.3852 [  $[-(-9*x^2+2*x-3)/(-3*x^3+x^2-3*x+1)$  lgdogf]  
A230929 16.2110 [  $[-2/(3*x-1)/(x^2+1)$  ogf]  
A230929 5.88188 [  $\{a(n+3)-3*a(n+2)+a(n+1)-3*a(n), a(0) = 2, a(1) = 6, a(2) = 16\}$ , ogf]  
A230930 4.91702 [  $[2*(8*x^8-16*x^6+4*x^5+13*x^4-12*x^3-13*x^2+8*x+4)/(16*x^{10}-24*x^8+10*x^6-3*x^4-16*x^2+1)$  ogf]  
A230937 5.14015 [  $[2*(8*x^6+4*x^5-14*x^4-12*x^3+x^2+8*x+1)/(16*x^{10}-24*x^8+10*x^6-3*x^4-16*x^2+1)$  ogf]  
A230942 7.35218 [  $[-2*(x^4-x^3-14*x^2+x-3)/(x^5-x^4-14*x^3-3*x+1)$  ogf]  
A230964 3.78706 [  $[-2*x*(64*x^6+192*x^5+108*x^4-58*x^3-7*x^2-10*x+3)/(256*x^8+320*x^7-448*x^6-232*x^5-132*x^4+38*x^3+10*x^2+7*x-1)$  ogf]  
A230970 13.2013 [  $[-16*x/(5*x-1)/(x+1)/(5*x^2+1)$  ogf]  
A230970 8.68032 [  $[-(-100*x^3-60*x^2-4)/(-25*x^4-20*x^3-4*x+1)$  lgdogf]  
A230971 7.22592 [  $[-16*(3*x-1)*(3*x+1)/(x-1)/(9*x-1)/(x+1)/(9*x^2+1)$  ogf]  
A230983 11.7184 [  $[(x^2-x-1)/(2*x^6-5*x^4+5*x^2-1)$  ogf]  
A230984 5.42944 [  $[-(x^6-2*x^5-2*x^4+4*x^3+3*x^2-2)/(x^8+x^7-4*x^6-2*x^5+6*x^4+3*x^3-3*x^2-2*x+1)$  ogf]  
A230990 3.83436 [  $[-2*x*(2*x^7-12*x^6+22*x^5-15*x^4+7*x^3+6*x^2-6*x+1)/(4*x^9-36*x^8+104*x^7-100*x^6-4*x^5+47*x^4-25*x^3-5*x^2+7*x-1)$  ogf]  
A231000 9.03288 [  $[x*(x^2-x+1)*(5*x^4+6*x^3+6*x^2+6*x+5)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A231001 10.9741 [  $[x*(3*x^2-2*x+3)*(2*x^2+3*x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A231002 11.7091 [  $[-(-5*x^3-41*x^2-43*x-23)/(-5*x^4-18*x^3+18*x+5)$  lgdogf]  
A231002 14.5419 [  $[(5*x^2+18*x+5)/(x+1)/(x-1)^2$  ogf]  
A231002 7.90877 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 23, a(2) = 33\}$ , ogf]  
A231025 8.38392 [  $[2*x*(x^2-2*x-1)/(x^5-4*x^4+8*x^2+4*x-1)$  ogf]  
A231032 4.15345 [  $[-2*x^2*(32*x^5+148*x^4-184*x^3+29*x-5)/(32*x^9+176*x^8-60*x^7-256*x^6-260*x^5+374*x^4-15*x^3+x^2-9*x+1)$  ogf]  
A231038 5.71577 [  $[-4*x^3*(4*x^3-2*x^2+3*x-1)/(16*x^7-24*x^6+20*x^5-32*x^4-6*x^2-3*x+1)$  ogf]  
A231044 5.58028 [  $[2*x*(x-1)*(8*x^2+11*x+7)/(8*x^6-8*x^5+12*x^4+19*x^3+19*x^2+3*x-1)$  ogf]  
A231045 4.75915 [  $\{a(n+3)-8*a(n+2)-33*a(n+1)+68*a(n), a(0) = 0, a(1) = 32, a(2) = 128\}$ , ogf]

A231045 6.13401 [  $-( -544x^3+336x^2-66x-4)/(-272x^4+200x^3-x^2-12x+1)$  lgdogf]  
A231045 8.90421 [  $-32x*(4x-1)/(68x^3-33x^2-8x+1)$  ogf]  
A231050 7.28669 [  $2x*(x+1)*(2x^3-8x^2+3x+1)/(4x^5-6x^4-8x^3-3x+1)$  ogf]  
A231056 5.38764 [  $-x*(x^{15}-2x^{14}+x^{13}-x^{12}+2x^{11}-2x^{10}+2x^9-x^8+x^5-x^4+x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A231057 10.4870 [  $-(-3x^2-2x-3)/(-x^3-x^2-3x+1)$  lgdogf]  
A231057 14.9149 [  $-2x/(x^3+x^2+3x-1)$  ogf]  
A231057 6.04657 [  $\{a(n+3)-3a(n+2)-a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 6\}$ , ogf]  
A231058 3.48448 [  $-2x*(2x^7+4x^6-28x^5+10x^4+17x^3-5x^2-7x+3)/(2x^{10}+4x^9-14x^8-14x^7-23x^6+22x^5+29x^4-20x^3-9x^2+8x-1)$  ogf]  
A231064 7.04951 [  $(5x^{15}-5x^{14}-5x^{12}+5x^{11}-5x^{10}+5x^9+4x^5+x^4+4x^3+7x^2+4)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A231065 5.20477 [  $(4x^{16}-8x^{15}+4x^{14}-4x^{13}+8x^{12}-8x^{11}+8x^{10}-4x^9+4x^6-5x^5+2x^4+2x^3-6x^2+2x-1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A231067 9.10820 [  $-(2x^5-4x^3-x^2+3x+1)/(2x^6-5x^4+5x^2-1)$  ogf]  
A231081 6.60956 [  $-2x*(4x^3-13x^2+4x+1)/(16x^5-64x^4+30x^3+12x^2+3x-1)$  ogf]  
A231087 13.2584 [  $-2*(7x^2-38x+25)/(x-1)/(x^2-5x+1)$  ogf]  
A231087 7.19101 [  $\{-a(n+3)+6a(n+2)-6a(n+1)+a(n), a(0) = 50, a(1) = 224, a(2) = 1058\}$ , ogf]  
A231087 7.64450 [  $(-7x^4+76x^3-261x^2+286x-112)/(-7x^5+80x^4-295x^3+385x^2-188x+25)$  lgdogf]  
A231101 5.68639 [  $\{a(n+3)-a(n+1)-3a(n), a(0) = 3, a(1) = 0, a(2) = 2\}$ , ogf]  
A231101 9.97800 [  $(x^2-3)/(3x^3+x^2-1)$  ogf]  
A231103 13.0539 [  $(-10x-4)/(-5x^2-4x+1)$  lgdogf]  
A231103 17.2876 [  $-2x/(5x-1)/(x+1)$  ogf]  
A231103 7.89679 [  $\{-a(n+2)+4a(n+1)+5a(n), a(0) = 0, a(1) = 2\}$ , ogf]  
A231104 12.9000 [  $(-18x-8)/(-9x^2-8x+1)$  lgdogf]  
A231104 17.0838 [  $-6x/(x+1)/(9x-1)$  ogf]  
A231104 7.80369 [  $\{-a(n+2)+8a(n+1)+9a(n), a(0) = 0, a(1) = 6\}$ , ogf]  
A231105 4.83903 [  $-2x*(16x^4+10x^3+15x^2-3x-10)/(2x+1)/(16x^5-24x^4+10x^3-3x^2-16x+1)$  ogf]  
A231125 8.81856 [  $2*(2x^2-4x-1)/(16x^6-36x^4+22x^2-1)$  ogf]  
A231126 4.43118 [  $-2*(8x^6-8x^5-18x^4+12x^3+10x^2+x-3)/(16x^8+16x^7-56x^6-40x^5+38x^4+32x^3-8x^2-7x+1)$  ogf]  
A231134 7.05485 [  $(-8x^5-16x^3-4x^2+9x+2)/(16x^6-36x^4+22x^2-1)$  ogf]  
A231138 7.50227 [  $-2*(6x^3-15x^2-4x+9)/(4x^4-11x^3+6x-1)$  ogf]  
A231181 12.6979 [  $-1/(x^5-3x^4-3x^3+4x^2+x-1)$  ogf]  
A231181 7.46163 [  $(-5x^4-12x^3-9x^2+8x+1)/(x^5-3x^4-3x^3+4x^2+x-1)$  lgdogf]  
A231182 7.84308 [  $(-3x^2-1)*(x^2+x-1)/(x^5-3x^4-3x^3+4x^2+x-1)$  ogf]  
A231183 8.21391 [  $x*(3x^3-4x^2-x+1)/(x^5-3x^4-3x^3+4x^2+x-1)$  ogf]  
A231184 8.99103 [  $(-4x^2+x-1)/(x^5-3x^4-3x^3+4x^2+x-1)$  ogf]  
A231185 10.5280 [  $(x-1)/(x^5-3x^4-3x^3+4x^2+x-1)$  ogf]  
A231185 7.12186 [  $(-4x^5-14x^4+6x^3+13x^2-8x)/(x^6-4x^5+7x^3-3x^2-2x+1)$  lgdogf]  
A231192 5.69258 [  $(-16x^5+12x^4+4x^3-2x^2+5x-9)/(16x^6+12x^5-4x^4+4x^3-8x+1)$  ogf]  
A231213 8.81744 [  $(-2x^3+x^2+3x-4)/(x-1)/(2x^3+x^2+2x-1)$  ogf]  
A231221 3.56140 [  $(-8x^{10}-2x^9-34x^8+19x^7+5x^6+16x^4-3x^3-8x^2-2x+2)/(x-1)/(4x^{10}+2x^9-18x^8-x^7+5x^6+4x^5+9x^4+2x^3-4x^2-2x+1)$  ogf]  
A231241 6.78344 [  $-2x*(8x^2+11x+7)/(6x^5+37x^4+26x^3+16x^2+4x-1)$  ogf]  
A231242 4.00110 [  $-4x*(3x^5+3x^4+9x^3-8x^2-6x-11)/(8x^7-6x^6+x^5-71x^4-53x^3-30x^2-10x+1)$  ogf]  
A231247 7.72933 [  $2x*(2x^3+3x^2-3x-1)/(4x^4+8x^3-3x^2+4x-1)$  ogf]  
A231248 4.25480 [  $2x*(12x^6+10x^5-26x^4-43x^3-32x^2+18x+3)/(8x^7+8x^6-14x^5-28x^4-27x^3+3x^2-7x+1)$  ogf]  
A231257 6.81171 [  $(-2x-1)*(8x^2-9x+3)/(x-1)/(16x^3-20x^2+9x-1)$  ogf]



A231258 3.74967 [  $-2*(128*x^6-228*x^5+256*x^4-173*x^3+72*x^2-18*x+2)/(x-1)/(256*x^6-400*x^5+400*x^4-228*x^3+80*x^2-16*x+1)$  ogf]  
A231264 4.47293 [  $-(40*x^8-2*x^7+x^6-30*x^5-3*x^4+33*x^3-16*x^2-9*x+6)/(x-1)/(x+1)/(2*x^2-2*x+1)/(2*x^2-2*x+1)/(2*x^3+x^2+2*x-1)$  ogf]  
A231280 11.6910 [  $-(-34*x-4)/(-17*x^2-4*x+1)$  lgdogf]  
A231280 15.3828 [  $-2*x/(17*x^2+4*x-1)$  ogf]  
A231280 7.12863 [  $\{-a(n+2)+4*a(n+1)+17*a(n), a(0) = 0, a(1) = 2\}$ , ogf]  
A231281 5.42783 [  $-2*x*(x-1)*(x^2-14*x-3)/(x^5-29*x^4+190*x^3+86*x^2+9*x-1)$  ogf]  
A231295 9.98892 [  $-(2*x-1)*(x+1)^2/(x-1)/(4*x^3+4*x^2+x-1)$  ogf]  
A231296 4.28154 [  $-(4*x^8+4*x^7+3*x^6+7*x^5-14*x^4+9*x^3-8*x^2-3*x+2)/(x-1)/(x^2-x+1)/(4*x^5+8*x^4+5*x^3-8*x^2-2*x+1)$  ogf]  
A231303 11.8512 [  $-(4*x^2+52*x+16)/(x^3+9*x^2-9*x-1)$  lgdogf]  
A231303 3.95039 [  $\{(n+3)*a(n+4)+(2+9*n)*a(n+3)+(-61-9*n)*a(n+2)+(-4-n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 16, a(3) = 82\}$ , ogf]  
A231303 8.41051 [  $x*(x^2+10*x+1)/(x-1)^6$  ogf]  
A231304 6.55602 [  $-x*(x^4+26*x^3+66*x^2+26*x+1)/(x+1)/(x-1)^7$  ogf]  
A231305 5.90572 [  $x*(x^4+56*x^3+246*x^2+56*x+1)/(x-1)^8$  ogf]  
A231305 6.97949 [  $-(-4*x^4-284*x^3-1644*x^2-884*x-64)/(-x^5-55*x^4-190*x^3+190*x^2+55*x+1)$  lgdogf]  
A231306 4.67410 [  $-x*(x^6+120*x^5+1191*x^4+2416*x^3+1191*x^2+120*x+1)/(x+1)/(x-1)^9$  ogf]  
A231307 3.85906 [  $x*(x^6+246*x^5+4047*x^4+11572*x^3+4047*x^2+246*x+1)/(x-1)^{10}$  ogf]  
A231310 5.74166 [  $-(16*x^4-40*x^3-24*x^2-15*x+9)/(16*x^5-40*x^4-24*x^3-2*x^2+8*x-1)$  ogf]  
A231317 11.4927 [  $-6*(2*x-1)/(2*x+1)/(4*x^2-8*x+1)$  ogf]  
A231317 5.44913 [  $\{-a(n+3)+6*a(n+2)+12*a(n+1)-8*a(n), a(0) = 6, a(1) = 24, a(2) = 216\}$ , ogf]  
A231317 8.20908 [  $-(32*x^3-48*x^2+24*x+4)/(16*x^4-32*x^3+8*x-1)$  lgdogf]  
A231337 7.35098 [  $-(6*x^4+8*x^3-8*x^2-5*x+3)/(x-1)/(3*x^2+x-1)/(x^2+x-1)$  ogf]  
A231338 5.20783 [  $-(3*x^6+2*x^5+10*x^4-5*x^3+x^2-11*x+4)/(3*x-1)/(x-1)/(x^2+x+1)/(x^3+2*x-1)$  ogf]  
A231356 5.10183 [  $-(3*x^6+13*x^5+11*x^4-5*x^3-7*x^2-x+1)/(x-1)/(9*x^3+6*x^2+x-1)/(x^3+2*x^2+x-1)$  ogf]  
A231376 7.06800 [  $-(2*x^5+5*x^4-x^3+5*x^2-4*x-2)/(x^5+2*x^4-2*x^3+2*x^2-3*x+1)$  ogf]  
A231377 3.41457 [  $-(2*x^{10}+8*x^9+13*x^8+3*x^7-15*x^6-12*x^5-6*x^4-13*x^3+11*x^2-3*x+4)/(2*x^{10}+6*x^9-2*x^8-9*x^7+8*x^6-3*x^5-14*x^4+16*x^3-11*x^2+6*x-1)$  ogf]  
A231390 9.85381 [  $-(8*x^4+4*x^3+8*x^2+6*x-7)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A231397 5.62566 [  $-(32*x^5-32*x^4-18*x^3+17*x^2+5*x-3)/(2*x-1)/(x-1)/(8*x^4-6*x^2-x+1)$  ogf]  
A231413 8.18552 [  $-(6*x^3-15*x^2-4*x+9)/(4*x^4-11*x^3+6*x-1)$  ogf]  
A231420 4.98290 [  $-(24*x^5-60*x^4+36*x^3+90*x^2+x-9)/(16*x^6-40*x^5+24*x^4+58*x^3-4*x^2-8*x+1)$  ogf]  
A231430 14.2951 [  $x^3/(3*x-1)/(2*x^3+2*x^2+2*x-1)$  ogf]  
A231430 9.23954 [  $-(24*x^3+12*x^2+8*x-5)/(6*x^4+4*x^3+4*x^2-5*x+1)$  lgdogf]  
A231444 6.15117 [  $-(9*x^4-35*x^3+39*x^2-16*x+2)/(x-1)/(9*x^2-7*x+1)/(x^2-3*x+1)$  ogf]  
A231445 4.20207 [  $-(108*x^6-402*x^5+645*x^4-516*x^3+211*x^2-42*x+3)/(x-1)/(54*x^3-45*x^2+13*x-1)/(2*x^3-5*x^2+5*x-1)$  ogf]  
A231458 6.02668 [  $-(12*x^6+16*x^5+6*x^4+16*x^3-16*x^2-13*x+7)/(x-1)/(3*x^2+x-1)/(x^2+x-1)$  ogf]  
A231475 12.6523 [  $-(x^5+4*x^4+3*x^3+4*x^2+3*x+4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A231482 13.5786 [  $-(18*x-6)/(9*x^2-10*x+1)$  lgdogf]  
A231482 27.7812 [  $-(18*x-6)/(9*x^2-10*x+1)$  lgdogf]  
A231482 4.40862 [  $\{(-n-3)*a(n+3)+(26+10*n)*a(n+2)+(-27-9*n)*a(n+1), a(0) = 1, a(1) = 6, a(2) = 39\}$ , ogf]  
A231509 6.79637 [  $-(4*x^5+4*x^4+5*x^3-2*x-2)/(4*x^6+2*x^5+4*x^4-3*x^3-x^2-2*x+1)$  ogf]

A231524 7.08154 [  $-(18x^4+3x^3-6x^2+6x-4)/(18x^5-6x^4-x^3+3x^2-4x+1)$  ogf ]  
A231530 5.21110 [  $\{(-n^2-4n-5)a(n+1)+(2n+5)a(n+2)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf ]  
A231531 6.34645 [  $\{(-n^2-4n-5)a(n+1)+(2n+5)a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 3\}$ , ogf ]  
A231538 4.71384 [  $-(x^7-x^6+x^5-2x^4+9x^3-4x^2+2x-2)/(x^8-x^7+2x^6-3x^5+8x^4-5x^3+4x^2-4x+1)$  ogf ]  
A231552 12.5821 [  $-(2x^3+4x^2-x)/(x^2+2x+1)$  revogf ]  
A231553 12.4157 [  $-(3x^3+6x^2-x)/(x^2+2x+1)$  revogf ]  
A231554 11.9330 [  $-(2x^3+2x^2-x)/(4x^2+4x+1)$  revogf ]  
A231556 12.2611 [  $-(-2x^3+4x^2-x)/(x^2-2x+1)$  revogf ]  
A231559 10.6735 [  $-x^2(x^2+2)/(x^2+1)/(x-1)^3$  ogf ]  
A231559 9.23436 [  $-(-3x^4-11x^2+2x-6)/(-x^5+x^4-3x^3+3x^2-2x+2)$  lgdogf ]  
A231560 10.6216 [  $-(-24x^4+25+25x^2+1)/(x^26-x^25+x-1)$  lgdogf ]  
A231560 18.7143 [  $-x(x+1)(x^4-x^3+x^2-x+1)(x^20-x^15+x^10-x^5+1)/(x-1)$  ogf ]  
A231600 6.59475 [  $-x^5(x^4-x^2+1)(x^14+x^12+x^4+x^2+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf ]  
A231615 13.2915 [  $-(-6x^3+6x^2-x)/(4x^2-4x+1)$  revogf ]  
A231616 12.2779 [  $-(-12x^3+8x^2-x)/(9x^2-6x+1)$  revogf ]  
A231618 11.4833 [  $-(3x^3+2x^2-x)/(9x^2+6x+1)$  revogf ]  
A231622 15.8453  $-1/2I/(2x-1)^{(1/2)}/x(2x+1)-1/2/(2x-1)/x$  lgdegf  
A231622 8.61377 [  $-1/2I/(2x-1)^{(1/2)}/x(1+2x)-1/2/(2x-1)/x$  lgdegf ]  
A231622 8.61377 [  $-1/2I/x(1+2x)/(2x-1)^{(1/2)}-1/2/(2x-1)/x$  lgdegf ]  
A231636 6.18208 [  $-(x-1)^2/(16x^7-48x^6+48x^5-14x^4+4x^3-11x^2+7x-1)$  ogf ]  
A231643 11.9968 [  $-(-6x^2+8x-3)/(-6x^3+13x^2-9x+2)$  lgdogf ]  
A231643 16.5913 [  $-5^*(3x-2)/(2x-1)/(x-1)$  ogf ]  
A231643 9.28324 [  $\{a(n+2)-3a(n+1)+2a(n), a(0) = 10, a(1) = 15\}$ , ogf ]  
A231684 9.90137 [  $x(7x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3$  ogf ]  
A231690 10.6959 [  $-(-x^4+x^3+3x^2-x)/(-x^3+x^2+3x+1)$  revogf ]  
A231691 15.9933 [  $-x\ln(x^2+3x+1)-\ln(x+1)$  revegf ]  
A231703 4.31646 [  $-(x^8-x^7+x^6-x^5+2x^4-8x^3-4x^2+2x+5)/(x^9-2x^8+3x^7-3x^6+3x^5-8x^4+4x^3-x^2+3x-1)$  ogf ]  
A231765 4.93405 [  $-(32x^8-8x^7-10x^5-80x^4+6x^3+x^2+6x+9)/(2x^3-x^2-3x+1)/(4x^6+6x^4-x^2-1)$  ogf ]  
A231779 5.85197 [  $-(2x^5-8x^4-5x^3+20x^2-11x-1)/(x^5-3x^4-2x^3+8x^2-6x+1)$  ogf ]  
A231799 6.62432 [  $-(8x^5+8x^4+4x^3-9x^2-8x-5)/(4x^6+2x^5-5x^3-2x^2-x+1)$  ogf ]  
A231822 5.30437 [  $-(4x^5+7x^4+4x^3+x^2-1)/(4x^6-21x^5+27x^4-11x^3+16x^2-9x+1)$  ogf ]  
A231833 4.55843 [  $-(x+2)(x^2+4x+2)(x^3+5x^2+6x+1)/(x^7+11x^6+46x^5+91x^4+86x^3+34x^2+4x-1)$  ogf ]  
A231850 3.61218 [  $\{a(n+4)-21a(n+3)+41a(n+2)-22a(n+1), a(0) = 3, a(1) = 34, a(2) = 656, a(3) = 12404\}$ , ogf ]  
A231850 6.83905 [  $(44x^3-65x^2+29x-3)/(22x^3-41x^2+21x-1)$  ogf ]  
A231856 4.45108 [  $(x^8-3x^7-x^6+11x^5-3x^4-5x^3+7x-3)/(x^3-x-1)/(x^5-3x^4-2x^3+8x^2-6x+1)$  ogf ]  
A231882 5.91693 [  $-x(x^8+2x^7+x^6+4x^5-4x^4+3x^3-7x^2-x-3)/(x+1)/(x^8-x^7+3x^6-4x^5+4x^4-5x^3+2x^2-2x+1)$  ogf ]  
A231884 6.72761 [  $-4x(x+1)(x^5+2x^4+x^3-2x^2-1)/(3x^7+9x^6-4x^4-4x^3-3x^2+1)$  ogf ]  
A231896 15.5439 [  $-(2x-4)/(x^2-4x+1)$  lgdogf ]  
A231896 20.1650 [  $4x/(x^2-4x+1)$  ogf ]  
A231896 9.21117 [  $\{a(n+2)-4a(n+1)+a(n), a(0) = 0, a(1) = 4\}$ , ogf ]  
A231909 5.38706 [  $-(-8x^5-16x^4+2x^3+x^2+10x-3)/(16x^6-4x^5-78x^4+66x^3+5x^2-9x+1)$  ogf ]  
A231950 12.7122 [  $-2(x+2)/(4x^3-2x^2+4x-1)$  ogf ]  
A231950 5.91006 [  $\{a(n+3)-4a(n+2)+2a(n+1)-4a(n), a(0) = 4, a(1) = 18, a(2) = 64\}$ , ogf ]

A231950 9.22941 [  $-(8*x^3+22*x^2-8*x+9)/(4*x^4+6*x^3+7*x-2)$  lgdogf ]  
A231951 8.46526 [  $-2*(2*x^2+8*x+9)/(8*x^4+13*x^3+2*x^2+7*x-1)$  ogf ]  
A231971 4.50586 [  $-(6*x^8-5*x^7+x^6-14*x^5-62*x^4+11*x^3+x^2+8*x+16)/(x^3-x^2-3*x+1)/(x^6+3*x^4-x^2-1)$  ogf ]  
A231992 5.31455 [  $-2*(x+1)*(2*x^4-x^3-10*x^2+4*x+3)/(4*x^6+2*x^5-19*x^4-5*x^3+12*x^2+3*x-1)$  ogf ]  
A231998 4.91285 [  $-(3*x^8+7*x^7+2*x^6-9*x^5-12*x^4-11*x^3-10*x^2-2*x-4)/(x^3+x^2+1)/(x^3-x^2-1)/(x^3+2*x^2+x-1)$  ogf ]  
A232007 11.3683 [  $x*(2*x^6-5*x^5+6*x^2-1)/(x^2+x+1)/(x-1)^2$  ogf ]  
A232015 11.1573 [  $-(12*x^2-12*x+1)/(12*x^3-4*x^2-3*x+1)$  lgdogf ]  
A232015 16.6120 [  $(2*x-1)/(2*x+1)/(3*x-1)$  ogf ]  
A232015 9.11635 [ {a(n+2)-a(n+1)-6\*a(n), a(0) = 1, a(1) = -1}, ogf ]  
A232017 5.83704 [  $-(x+3)*(x+1)*(x^2+3*x+1)/(x^5+7*x^4+16*x^3+13*x^2+3*x-1)$  ogf ]  
A232018 3.48287 [  $(504*x^7+778*x^6-1668*x^5-1375*x^4+603*x^3+273*x^2+15*x-9)/(84*x^7+146*x^6-257*x^5-275*x^4+62*x^3+59*x^2+9*x-1)$  ogf ]  
A232031 9.21174 [  $-(x^2+x-3)/(x^4-x^3+2*x^2-4*x+1)$  ogf ]  
A232032 4.82492 [  $(x^7-5*x^5-5*x^4+4*x^3+11*x^2+x-11)/(2*x^7+2*x^6-x^5-2*x^4-5*x^3+7*x-1)$  ogf ]  
A232042 6.99890 [  $(12*x^4-5*x^3-16*x^2-x+4)/(6*x^4+x^3-9*x^2-4*x+1)$  ogf ]  
A232048 5.13825 [  $(x^7-x^6-3*x^5+8*x^4-12*x^3+11*x^2-9*x+4)/(x^2-x+1)/(x^5+2*x^4-2*x^3+2*x^2-3*x+1)$  ogf ]  
A232059 13.5406 [  $-2*(x^2+x+1)/(x^3+2*x-1)$  ogf ]  
A232059 7.47555 [  $-(-x^4-2*x^3-x^2-2*x-3)/(-x^5-x^4-3*x^3-x^2-x+1)$  lgdogf ]  
A232059 7.55424 [ { -a(n+3)+2\*a(n+2)+a(n), a(0) = 2, a(1) = 6, a(2) = 14 }, ogf ]  
A232060 4.81640 [  $-2*(x^2+x+1)*(2*x^5-2*x^4-x^3-3*x^2+3*x+2)/(2*x^8-2*x^7+2*x^6-7*x^5+3*x^4-3*x^3+7*x^2+x-1)$  ogf ]  
A232070 6.41821 [  $-(8*x^4+12*x^3-2*x^2-12*x-15)/(8*x^5-2*x^3-11*x^2-5*x+1)$  ogf ]  
A232077 8.54358 [  $(2*x+1)*(2*x^2-3)/(4*x^4+4*x^3+x^2+3*x-1)$  ogf ]  
A232078 3.82192 [  $(6*x^7+8*x^6-7*x^5-34*x^4-129*x^3-36*x^2+32*x+11)/(2*x^8+3*x^7-x^6-10*x^5-45*x^4-23*x^3-11*x^2-5*x+1)$  ogf ]  
A232099 4.78761 [  $-840*(4*x^31+3*x^30-48*x^6-84*x^5-60*x^4-40*x^3-24*x^2-12*x-4)/(5*x^31-3*x^30+48*x^7-60*x^6+4*x^4+4*x^2+4)$  ogf ]  
A232131 4.12866 [ {a(n+3)-22\*a(n+2)+36\*a(n+1)-16\*a(n), a(0) = 36, a(1) = 728, a(2) = 14752}, ogf ]  
A232131 7.51787 [  $-4*(8*x^2-16*x+9)/(16*x^3-36*x^2+22*x-1)$  ogf ]  
A232138 8.62949 [  $-2*(3*x^3-8*x^2+3)/(4*x^4-11*x^3+6*x-1)$  ogf ]  
A232145 5.67152 [  $-(5*x^5+11*x^4-12*x^2-8*x-3)/(5*x^6+8*x^5-3*x^4-8*x^3-6*x^2-5*x+1)$  ogf ]  
A232150 5.22983 [  $-(72*x^5+96*x^4-36*x^3-49*x^2-17*x-1)/(72*x^6+24*x^5-60*x^4-25*x^3-4*x^2-6*x+1)$  ogf ]  
A232155 3.39323 [  $-2*(2*x^10-2*x^9-15*x^8-7*x^7-5*x^6-24*x^5+3*x^4+20*x^3+7*x^2-5*x-1)/(x^10-x^9-8*x^8-3*x^7+3*x^6-14*x^5+5*x^4+13*x^3-2*x^2-4*x+1)$  ogf ]  
A232162 10.0456 [  $-x^2*(x+2)/(x^4+3*x^3+x^2+x-1)$  ogf ]  
A232162 7.07294 [  $-(-3*x^4-14*x^3-19*x^2-4*x-3)/(-x^5-5*x^4-7*x^3-3*x^2-x+2)$  lgdogf ]  
A232163 9.36115 [  $-x*(2*x^2+x+1)/(x^4+3*x^3+x^2+x-1)$  ogf ]  
A232164 16.1925 [  $-x/(x^4+3*x^3+x^2+x-1)$  ogf ]  
A232164 9.91789 [  $-(-4*x^3-9*x^2-2*x-1)/(-x^4-3*x^3-x^2-x+1)$  lgdogf ]  
A232165 12.4236 [  $-(x+1)*x/(x^4+3*x^3+x^2+x-1)$  ogf ]  
A232165 8.59081 [  $-(3*x^4+10*x^3+10*x^2+2*x+2)/(x^5+4*x^4+4*x^3+2*x^2-1)$  lgdogf ]  
A232166 11.8568 [  $-(-x^2-3*x+2)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform ]  
A232205 13.4728 [  $-(4*x^2+4*x+2)/(4*x^3+2*x^2-2*x-1)$  lgdegf ]  
A232205 21.0307 [  $-(2*x+1)/(2*x^2-1)$  egf ]  
A232205 3.66919 [ { (4\*n^3+28\*n^2+64\*n+48)\*a(n+1)+(2\*n^3+22\*n^2+80\*n+96)\*a(n+2)+(-4-2\*n)\*a(n+3)+(-n-4)\*a(n+4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 24 }, ogf ]  
A232228 10.4131 [  $(128*x^7-128*x^6+4*x^3-2*x^2-1)/(2*x-1)/(x-1)^2$  ogf ]  
A232229 13.0198 [  $(70*x^2+11*x-9)/(10*x-1)/(x-1)^2$  ogf ]  
A232229 7.28228 [ {a(n+3)-12\*a(n+2)+21\*a(n+1)-10\*a(n), a(0) = 9, a(1) = 97, a(2) = 14752}, ogf ]

= 905}], ogf]

A232229 9.04536 [  $-(700*x^3+920*x^2-421*x+97)/(700*x^4-660*x^3-141*x^2+110*x-9)$  lgdogf]

A232230 10.6242 [  $(x^5+x^3+x^2-2*x+1)/(x-1)/(x^3+2*x-1)$  ogf]

A232231 10.6037 [  $(4*x^5+2*x^4+2*x^2-3*x+1)/(x-1)/(4*x^3+3*x-1)$  ogf]

A232250 9.18352 [  $-(3*x^3+3*x^2-x-9)/(x^4-2*x^2-4*x+1)$  ogf]

A232251 6.01855 [  $-(3*x^3+17*x^2-51*x-37)/(x^4+6*x^3-14*x^2-10*x+1)$  ogf]

A232289 10.3879 [  $-(x^2+3*x+3)/(x^3+4*x^2+4*x-1)$  ogf]

A232289 5.55845 [  $\{a(n+3)-4*a(n+2)-4*a(n+1)-a(n), a(0) = 3, a(1) = 15, a(2) = 73\}$ , ogf]

A232289 6.27389 [  $-(-x^4-6*x^3-17*x^2-26*x-15)/(-x^5-7*x^4-19*x^3-23*x^2-9*x+3)$  lgdogf]

A232290 4.13539 [  $\{a(n+3)-12*a(n+2)-20*a(n+1)-9*a(n), a(0) = 7, a(1) = 97, a(2) = 1313\}$ , ogf]

A232290 7.62462 [  $-(9*x^2+13*x+7)/(9*x^3+20*x^2+12*x-1)$  ogf]

A232296 3.57615 [  $-(5*x^8+3*x^7-13*x^6-6*x^5-7*x^4+7*x^3+8*x^2+9*x+1)/(5*x^6+8*x^5-3*x^4-8*x^3-6*x^2-5*x+1)/(x^3-2*x^2+x-1)$  ogf]

A232303 6.54737 [  $-(16*x^4+7*x^3+8*x^2+19*x+3)/(16*x^5-x^4+11*x^3+9*x^2+6*x-1)$  ogf]

A232311 6.90870 [  $-(2*x^3+12*x^2+21*x-16)/(x^4+5*x^3+11*x^2-10*x+1)$  ogf]

A232312 3.75768 [  $(x^6-23*x^5+14*x^4-48*x^3+123*x^2-135*x+52)/(x-1)/(2*x^5-2*x^4+17*x^3-26*x^2+18*x-1)$  ogf]

A232317 8.92804 [  $(x-1)*(x^3-x-2)/(2*x^4-x^2-3*x+1)$  ogf]

A232331 8.13843 [  $-2*(4*x^3+8*x^2+5*x-3)/(4*x^4+8*x^3+9*x^2-7*x+1)$  ogf]

A232332 6.42138 [  $-2*(16*x^4+40*x^3+32*x^2+14*x-5)/(12*x^4+20*x^3+21*x^2-11*x+1)$  ogf]

A232333 3.38635 [  $2*(64*x^8+112*x^7-468*x^6-939*x^5-656*x^4-61*x^3+81*x^2+47*x-8)/(256*x^7+448*x^6+448*x^5+92*x^4-47*x^3-60*x^2+16*x-1)$  ogf]

A232336 7.17283 [  $-(3*x^5-x^4+3*x^3-9*x^2-5*x-1)/(x^2-x-1)/(x^3+2*x-1)$  ogf]

A232337 3.81428 [  $(2*x^{11}+2*x^{10}-20*x^8+4*x^7-14*x^6+55*x^5-x^4+29*x^3-51*x^2-15*x-1)/(2*x^8-2*x^7+2*x^6-7*x^5+3*x^4-3*x^3+7*x^2+x-1)$  ogf]

A232343 10.3865 [  $-(-4*x^3-x^2-2*x+1)/(x^4+x^2+1)$  ogf\_with\_Euler\_transform]

A232345 3.92592 [  $(64*x^7-32*x^6-304*x^5-120*x^4+60*x^3+54*x^2+60*x+21)/(64*x^8+32*x^7-16*x^6-8*x^5-44*x^4-30*x^3+2*x^2-7*x+1)$  ogf]

A232370 4.99719 [  $-2*(x^6+x^5-6*x^4+2*x^3+8*x^2+5*x+1)/(x+1)/(x^6+x^5-4*x^4+2*x^3+4*x^2+3*x-1)$  ogf]

A232377 4.27004 [  $(x+1)*(32*x^7-16*x^6-48*x^5+40*x^4-26*x^3-21*x^2-10*x-1)/(2*x^2+1)/(8*x^6+12*x^5-6*x^4+7*x^3+3*x^2+3*x-1)$  ogf]

A232397 8.69178 [  $x*(5*x^6-15*x^4-5*x^3+12*x^2-5*x-4)/(x-1)^3/(x+1)^3$  ogf]

A232400 4.71865 [  $-4*(x^8+3*x^7+5*x^6+3*x^5-7*x^4-6*x^3+4*x+1)/(2*x^9+6*x^8+6*x^7-3*x^6-12*x^5-3*x^4+4*x^3+5*x^2-1)$  ogf]

A232401 3.42112 [  $-4*(x^{10}+2*x^8-x^7-x^6-12*x^5+4*x^4+4*x^3+5*x^2-x-2)/(x^{10}+3*x^9+9*x^8+16*x^7+19*x^6+6*x^5-7*x^4-11*x^3-5*x^2+1)/(x-1)^2$  ogf]

A232423 9.23292 [  $x^2*(x^5+x^4-3*x^3-9*x^2-2)/(x-1)^3/(x+1)^3$  ogf]

A232425 5.92259 [  $-4*(16*x^4+7*x^3-2*x^2-3*x-1)/(32*x^6+28*x^5+x^4-11*x^3-10*x^2-x+1)$  ogf]

A232449 5.14425 [  $\{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 16661, a(1) = 1066601, a(2) = 100666001\}$ , ogf]

A232449 8.55310 [  $-(767000*x^2-782770*x+16661)/(x-1)/(100*x-1)/(10*x-1)$  ogf]

A232453 5.08356 [  $\{a(n+3)-6*a(n+2)-12*a(n+1)-39*a(n), a(0) = 3, a(1) = 51, a(2) = 381\}$ , ogf]

A232453 9.15042 [  $-3*(13*x^2+11*x+1)/(39*x^3+12*x^2+6*x-1)$  ogf]

A232485 10.2148 [  $-(28*x^9+12*x^8+24*x^7+12*x^6+8*x^5+4*x^4+2*x^3+6*x^2+3*x+3)/(x-1)$  ogf]

A232492 6.32744 [  $-x*(8*x^6-6*x^5-2*x^4-4*x^3+9*x^2-5*x+1)/(2*x^2-1)/(2*x^3-1)/(2*x-1)^3$  ogf]

A232493 13.2276 [  $-(16*x^2+2*x-1)/(6*x-1)/(12*x^2-1)$  ogf]

A232493 7.36143 [  $\{a(n+3)-6*a(n+2)-12*a(n+1)+72*a(n), a(0) = 1, a(1) = 4, a(2) = 20\}$ , ogf]

A232493 7.69605 [  $-(-1152*x^4-288*x^3+144*x^2+8*x-4)/$

$(-1152x^5+48x^4+192x^3-16x^2-8x+1)$  lgdogf]  
A232494 13.2717 [  $(16x^2+2x-1)/(6x-1)/(2x-1)/(12x^2-1)$  ogf]  
A232494 6.90128 [  $-(4608x^5-672x^4-960x^3+160x^2+32x-6)/(2304x^6-1248x^5-336x^4+224x^3-10x+1)$  lgdogf]  
A232495 10.3531 [  $(2x^3-4x^2+23x+6)/(x-1)^4$  ogf]  
A232495 3.99775 [  $\{(60n^2+34n-172)a(n+1)+(1431n^2+12716n+24737)a(n+2)+(-1491n^2-8097n-10872)a(n+3), a(0) = 6, a(1) = 47, a(2) = 148\}$ , ogf]  
A232495 9.61363 [  $(-2x^3+2x^2-61x-47)/(-2x^4+6x^3-27x^2+17x+6)$  lgdogf]  
A232497 5.44702 [  $-(x^6-x^5-2x^4+x^3+3x^2-1)/(2x^{12}+4x^{10}+6x^8+6x^7+13x^6+13x^5-2x^4-7x^3-5x^2+1)$  ogf]  
A232508 11.1998 [  $(-3x^2-2x-1)/(-x^3-x^2-x+1)$  lgdogf]  
A232508 17.4826 [  $-4/(x^3+x^2+x-1)$  ogf]  
A232508 6.39987 [  $\{a(n+3)-a(n+2)-a(n+1)-a(n), a(0) = 4, a(1) = 4, a(2) = 8\}$ , ogf]  
A232509 5.56549 [  $-4(x^6+x^4-x^3-6x^2-3x+4)/(2x^7+x^6-2x^5-5x^4-4x^3+x^2+4x-1)$  ogf]  
A232510 10.2790 [  $(-3x^2+8x+2)/(x^3+4x^2+2x-1)$  lgdogf]  
A232510 15.6632 [  $-16/(x+1)/(x^2+3x-1)$  ogf]  
A232510 5.67117 [  $\{-a(n+3)+2a(n+2)+4a(n+1)+a(n), a(0) = 16, a(1) = 32, a(2) = 128\}$ , ogf]  
A232516 7.74718 [  $-2(x^4+x^3+2x^2+8x+2)/(2x^5+2x^4+x^3+3x^2-1)$  ogf]  
A232517 5.34328 [  $-2(5x^6+5x^5+3x^4-5x^3-4x^2-26x-2)/(2x^7+2x^6-x^5-3x^4-x^3-6x^2+1)$  ogf]  
A232518 3.86894 [  $-2(60x^8+60x^7-128x^6-222x^5-47x^4+54x^3+16x^2+100x+4)/(8x^9+8x^8-22x^7-30x^6+x^5+11x^4+x^3+12x^2-1)$  ogf]  
A232546 23.6980 [  $18/(12x-1)$  lgdogf]  
A232546 6.70697 [  $\{(n+2)a(n+2)+(6-12n)a(n+1), a(0) = 1, a(1) = -18\}$ , ogf]  
A232546 63.7878 [  $18/(12x-1)$  lgdogf]  
A232553 15.1373 [  $(-3x^5+13x^2+9x+6)/(6x^3-1)$  ogf]  
A232553 7.08034 [  $\{-a(n+4)+6a(n+1), a(0) = 6, a(1) = 9, a(2) = 13, a(3) = 36, a(4) = 54, a(5) = 81\}$ , ogf]  
A232567 7.06565 [  $-x(x^2+x+1)(x^3-x^2+3x+1)/(x+1)^3/(x-1)^5$  ogf]  
A232568 3.97573 [  $x^2(x^9-4x^8+x^7+12x^6+9x^5-70x^4-77x^3-84x^2-22x-6)/(x+1)^4/(x-1)^7$  ogf]  
A232580 15.6887 [  $-x^3/(2x-1)/(x-1)/(x^2+x-1)$  ogf]  
A232580 9.60932 [  $(-8x^3-3x^2-8x+4)/(2x^4-x^3-4x^2+4x-1)$  lgdogf]  
A232582 11.8144 [  $(-3x^2+2x-2)/(-x^3+x^2-2x+1)$  lgdogf]  
A232582 16.8027 [  $-2x/(x^3-x^2+2x-1)$  ogf]  
A232582 6.81192 [  $\{-a(n+3)+2a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 2, a(2) = 4\}$ , ogf]  
A232583 8.20051 [  $-2(2x^3-x^2-3x+5)/(2x^4-x^3-x^2+4x-1)$  ogf]  
A232584 10.6823 [  $-2(x+1)^2/(x-1)/(x^2-3x+1)$  ogf]  
A232584 5.71596 [  $\{a(n+3)-4a(n+2)+4a(n+1)-a(n), a(0) = 2, a(1) = 12, a(2) = 42\}$ , ogf]  
A232584 8.92630 [  $(-x^3-3x^2+12x-6)/(-x^4+3x^3-3x+1)$  lgdogf]  
A232585 6.07484 [  $-2(2x^4+3x^3+x^2+11x+13)/(x+1)/(2x^4-x^3+3x^2+6x-1)$  ogf]  
A232590 7.87676 [  $-2x(x^3+4x^2+6x+5)/(x^3+x^2+x-1)/(x+1)^2$  ogf]  
A232591 4.11038 [  $2(x^9-2x^8-20x^7-23x^6-4x^5+41x^4+13x^3-x^2-17x-1)/(2x^9+6x^8+6x^7-3x^6-12x^5-3x^4+4x^3+5x^2-1)$  ogf]  
A232599 7.15459 [  $x^2(x^2-4x+1)/(x-1)/(x+1)^4$  ogf]  
A232599 7.83138 [  $(-3x^3-19x^2+19x-7)/(x^4-4x^3+4x-1)$  lgdogf]  
A232600 15.5960 [  $(-6x-3)/(2x^2-x-1)$  lgdogf]  
A232600 20.2327 [  $2x/(x-1)/(2x+1)^2$  ogf]  
A232600 8.04957 [  $\{a(n+3)+3a(n+2)-4a(n), a(0) = 0, a(1) = -2, a(2) = 6\}$ , ogf]  
A232601 8.53491 [  $(-12x^2-16x+7)/(4x^3-4x^2-x+1)$  lgdogf]  
A232601 8.66622 [  $-2x(2x-1)/(x-1)/(2x+1)^3$  ogf]  
A232602 5.89115 [  $2x(4x^2-8x+1)/(x-1)/(2x+1)^4$  ogf]  
A232603 8.40006 [  $-x^2(x-1)/(2x-1)/(x+1)^3$  ogf]  
A232603 8.40006 [  $(-6x^2-10x+2)/(2x^3-x^2-2x+1)$  lgdogf]  
A232604 7.48093 [  $(-6x^3-36x^2+24x-6)/(2x^4-7x^3-3x^2+5x-1)$  lgdogf]  
A232604 7.57328 [  $x^2(x^2-4x+1)/(2x-1)/(x+1)^4$  ogf]

A232617 10.9843 [  $(-6*x-13+2*(1-2*x)^{(1/2)})/(2*x+3)/(-1+2*x)$  lgdegf]  
A232621 4.82865 [  $\{a(n+5)-7*a(n+4)+7*a(n+3)-a(n+2), a(0) = 1, a(1) = 8, a(2) = 31, a(3) = 175, a(4) = 1015\}$ , ogf]  
A232621 9.16833 [  $(x^4-13*x^3+18*x^2-x-1)/(x-1)/(x^2-6*x+1)$  ogf]  
A232622 6.28956 [  $-(x^6-4*x^5+10*x^3-4*x^2-3*x+1)/(x-1)/(x^2-4*x+1)/(x^4-4*x^2+1)$  ogf]  
A232635 6.50054 [  $-(3*x^6+2*x^5-x^4-2*x^3+5*x^2+4*x+1)/(-x^7-x^6-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A232636 5.55078 [  $\{-a(n+3)+6*a(n), a(0) = 34012224, a(1) = 53747712, a(2) = 131010048\}$ , ogf]  
A232636 7.66163 [  $-419904*(312*x^2+128*x+81)/(6*x^3-1)$  ogf]  
A232670 3.99603 [  $-2*(32*x^6+80*x^5+70*x^4-21*x^3-194*x^2-70*x-18)/(64*x^8+48*x^7+52*x^6-166*x^5-170*x^4-118*x^3-21*x^2-2*x+1)$  ogf]  
A232688 11.3338 [  $-2*\ln(x-1)-3/(x-1)-2+2*I*Pi$  lgdegf]  
A232688 27.2469 [  $-2*\ln(x-1)-3/(x-1)-2+2*I*Pi$  lgdegf]  
A232693 10.2241 [  $(-3*\ln(x+1)-4/(x+1)+4)*(x+1)$  revegf]  
A232713 4.41488 [  $\{(-15*n^2-65*n-70)*a(n+1)+(21*n^2+49*n+98)*a(n+2)+(-6*n^2-20*n-16)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 35\}$ , ogf]  
A232713 8.63988 [  $-x*(5*x^3+45*x^2+30*x+1)/(x-1)^5$  ogf]  
A232713 9.02819 [  $-(10*x^3+150*x^2+210*x+35)/(5*x^4+40*x^3-15*x^2-29*x-1)$  lgdogf]  
A232714 8.19283 [  $-(x^6+x^5+1)/(-x^7+1)$  ogf\_with\_Euler\_transform]  
A232719 10.7322 [  $3*(28*x+23)/(x-1)/(16*x^2+136*x+1)$  ogf]  
A232719 5.07032 [  $\{a(n+3)+135*a(n+2)-120*a(n+1)-16*a(n), a(0) = -69, a(1) = 9231, a(2) = -1254465\}$ , ogf]  
A232719 6.25176 [  $-(896*x^3+4464*x^2+5520*x-3077)/(448*x^4+3728*x^3-1020*x^2-3133*x-23)$  lgdogf]  
A232729 10.4913 [  $-(5*x^3+85*x^2-5*x-4)/(10*x-1)/(10*x^2-1)$  ogf]  
A232729 5.46727 [  $\{a(n+4)-10*a(n+3)-10*a(n+2)+100*a(n+1), a(0) = 4, a(1) = 45, a(2) = 405, a(3) = 4095\}$ , ogf]  
A232729 6.11302 [  $-(8550*x^4-900*x^3-315*x^2-90*x+45)/(500*x^6+8450*x^5-1400*x^4-1195*x^3+175*x^2+35*x-4)$  lgdogf]  
A232730 4.91553 [  $\{a(n+4)-10*a(n+3)-10*a(n+2)+100*a(n+1), a(0) = 5, a(1) = 45, a(2) = 495, a(3) = 4905\}$ , ogf]  
A232730 7.05056 [  $-(90*x^3+270*x^2-27*x-9)/(-100*x^5+10*x^4+110*x^3-11*x^2-10*x+1)$  lgdogf]  
A232730 9.56171 [  $5*(x+1)*(x-1)^2/(10*x-1)/(10*x^2-1)$  ogf]  
A232731 4.41775 [  $\{a(n+5)-10*a(n+4)-10*a(n+3)+100*a(n+2), a(0) = 4, a(1) = 50, a(2) = 450, a(3) = 4590, a(4) = 45405\}$ , ogf]  
A232731 8.30958 [  $(5*x^4-10*x^3-90*x^2+10*x+4)/(10*x-1)/(10*x^2-1)$  ogf]  
A232732 4.17026 [  $\{-a(n+3)-2766*a(n+2)-172929*a(n+1)-64*a(n), a(0) = -922, a(1) = 2434966, a(2) = -6575675482\}$ , ogf]  
A232732 7.37815 [  $-2*(32*x^2+57643*x+461)/(64*x+1)/(x^2+2702*x+1)$  ogf]  
A232741 15.2069 [  $2-(x-1)*x^4+(x-1)*x^{19}$  ogf\_with\_Euler\_transform]  
A232742 16.7537 [  $x^{14}*(x-1)-x^3+x^2+2$  ogf\_with\_Euler\_transform]  
A232742 5.61026 [  $6*(x^4+x^3+x^2+x+1)*(x^8-x^7+x^5-x^4+x^3-x+1)/(x^4+1)/(x^8+1)/(x-1)^2$  ogf]  
A232744 15.3834 [  $-x^{14}*(x-1)+x^3-x^2-x+3$  ogf\_with\_Euler\_transform]  
A232744 4.25378 [  $(x+1)*(x^4+1)*(x^8+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf]  
A232765 8.23478 [  $-x*(x+1)*(x^2+x+1)^2/(x-1)/(x^6-14*x^3+1)$  ogf]  
A232771 8.28874 [  $x*(x^4+3*x^3+6*x^2+3*x+1)/(x^6-14*x^3+1)$  ogf]  
A232801 12.9403 [  $-x*(x^2-x-1)/(x-1)/(x+1)/(3*x^2-1)$  ogf]  
A232840 3.77985 [  $-2*(256*x^6+48*x^5+38*x^4+17*x^3-86*x^2-4*x-2)/(512*x^8+176*x^7+36*x^6+86*x^5-150*x^4-66*x^3-3*x^2-2*x+1)$  ogf]  
A232845 5.31603 [  $\{(n+2)*a(n+1)+(-n-1)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 0\}$ , ogf]  
A232866 7.97450 [  $-(3*x^6-4*x^5-4*x^4-4*x^3-3*x^2+2*x-2)/(-x^7+x^3+x^2-2*x+1)$  lgdogf]  
A232866 9.75704 [  $-(x^6+x^5+x^4+x^3-x+1)/(x-1)^3$  ogf]  
A232867 10.6584 [  $-(10*x^2-10*x+12)/(x^4+6*x^3-19*x^2+20*x-8)$  lgdogf]  
A232867 11.7242 [  $-(x^3+7*x^2-12*x+8)/(x-1)^3$  ogf]

A232867 6.07921 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 8, a(1) = 12, a(2) = 19, a(3) = 30}, ogf]  
A232868 7.05564 [ -(x^9+4\*x^7-2\*x^6-2\*x^5+2\*x^4-x^2+x+1)/(x+1)^2/(x-1)^3 ogf]  
A232896 12.4561 [ (2\*x^2-1)/(x^2+x-1)/(x-1)^2 ogf]  
A232896 4.57428 [ {a(n)\*n+a(n+1)+(-2\*n+1)\*a(n+2)+(n-1)\*a(n+3), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 8, a(4) = 12}, ogf]  
A232896 9.20053 [ -(-4\*x^4-2\*x^3+2\*x^2+5\*x-3)/(-2\*x^5+5\*x^3-2\*x^2-2\*x+1) lgdogf]  
A232901 10.8315 [ -(-12\*x^2+2\*x-2)/(-4\*x^3+x^2-2\*x+1) lgdogf]  
A232901 15.6455 [ -4\*x/(4\*x^3-x^2+2\*x-1) ogf]  
A232901 6.34277 [ {-a(n+3)+2\*a(n+2)-a(n+1)+4\*a(n), a(0) = 0, a(1) = 4, a(2) = 8}, ogf]  
A232902 7.46279 [ -2\*(16\*x^3+34\*x^2-3\*x+5)/(16\*x^4+26\*x^3-x^2+4\*x-1) ogf]  
A232909 4.75581 [ -2\*x\*(104\*x^5+106\*x^4+28\*x^3-21\*x^2-26\*x-5)/(7\*x^2+x+1)/(32\*x^6+28\*x^5+x^4-11\*x^3-10\*x^2-x+1) ogf]  
A232917 4.34121 [ -6\*(x^2-7\*x+4)\*(3\*x^3-5\*x^2-8\*x+2)/(2\*x^6-19\*x^5+36\*x^4+15\*x^3-45\*x^2+14\*x-1) ogf]  
A232921 12.9426 [ -(-4\*x-2)/(-2\*x^2-2\*x+1) lgdogf]  
A232921 18.8256 [ -9/(2\*x^2+2\*x-1) ogf]  
A232921 7.48487 [ {-a(n+2)+2\*a(n+1)+2\*a(n), a(0) = 9, a(1) = 18}, ogf]  
A232922 4.45737 [ {-a(n+4)+3\*a(n+3)+4\*a(n+2)-2\*a(n+1), a(0) = 27, a(1) = 54, a(2) = 246, a(3) = 912}, ogf]  
A232922 8.42626 [ 3\*(4\*x^3-8\*x^2-9\*x+9)/(2\*x^3-4\*x^2-3\*x+1) ogf]  
A232923 4.35960 [ 3\*(40\*x^6+20\*x^5-279\*x^4-31\*x^3+220\*x^2+27\*x-27)/(4\*x^6+2\*x^5-25\*x^4-3\*x^3+16\*x^2+3\*x-1) ogf]  
A232935 11.3715 [ -2\*(x^2+3\*x+3)/(x^3+2\*x^2+x-1) ogf]  
A232935 6.08477 [ {a(n+3)-a(n+2)-2\*a(n+1)-a(n), a(0) = 6, a(1) = 12, a(2) = 26}, ogf]  
A232935 7.30173 [ -(-x^4-6\*x^3-14\*x^2-14\*x-6)/(-x^5-5\*x^4-10\*x^3-8\*x^2+3) lgdogf]  
A232936 7.04130 [ 2\*(x^5-x^4-5\*x^3-x^2+7\*x+6)/(x+1)/(x^4-x^3-3\*x^2-2\*x+1) ogf]  
A232937 3.63439 [ 2\*(4\*x^8-13\*x^7+6\*x^6+26\*x^5-23\*x^4-62\*x^3-22\*x^2+16\*x+12)/(x^8-3\*x^7+x^6+6\*x^5-4\*x^4-15\*x^3-10\*x^2-x+1) ogf]  
A232943 6.01660 [ (x-3)\*(2\*x^3-2\*x^2+5\*x-3)/(2\*x^4-9\*x^3+15\*x^2-13\*x+1) ogf]  
A232950 10.9698 [ -3\*(2\*x-3)/(6\*x^2-15\*x+1) ogf]  
A232950 5.93660 [ {a(n+2)-15\*a(n+1)+6\*a(n), a(0) = 9, a(1) = 129}, ogf]  
A232950 7.20873 [ -(-12\*x^2+36\*x-43)/(-12\*x^3+48\*x^2-47\*x+3) lgdogf]  
A232951 4.52088 [ {-a(n+3)+31\*a(n+2)-35\*a(n+1)+5\*a(n), a(0) = 27, a(1) = 771, a(2) = 22971}, ogf]  
A232951 8.28827 [ -3\*(5\*x^2-22\*x+9)/(x-1)/(5\*x^2-30\*x+1) ogf]  
A232956 12.7818 [ -(x+4)/(x+1)/(6\*x-1) ogf]  
A232956 6.92988 [ {-a(n+2)+5\*a(n+1)+6\*a(n), a(0) = 4, a(1) = 21}, ogf]  
A232956 8.45853 [ -(-6\*x^2-48\*x-21)/(-6\*x^3-29\*x^2-19\*x+4) lgdogf]  
A232957 5.87923 [ -(10\*x^3+5\*x^2-45\*x+16)/(12\*x^4-40\*x^3+7\*x^2+12\*x-1) ogf]  
A232965 5.27553 [ -(x-1)\*(8\*x^6+15\*x^5+9\*x^4+4\*x^3+3\*x+1)/(x^2+x-1)/(x^6-x^3-1) ogf]  
A232970 11.1073 [ -(6\*x^3+6\*x^2-6\*x+2)/(3\*x^4+8\*x^3-18\*x^2+8\*x-1) lgdogf]  
A232970 16.9754 [ -(3\*x-1)/(x-1)/(x^2+4\*x-1) ogf]  
A232970 8.03298 [ {a(n+3)-5\*a(n+2)+3\*a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 7}, ogf]  
A232971 11.4087 [ -(x-1)\*(x^2+4\*x-1)/(x^4-x^3-10\*x^2+7\*x-1) ogf]  
A232971 7.00691 [ -(-x^6-6\*x^5+8\*x^4-29\*x^2+14\*x-2)/(-x^7-2\*x^6+18\*x^5+17\*x^4-69\*x^3+48\*x^2-12\*x+1) lgdogf]  
A232980 12.1255 [ -(-x^4-x^3-x^2-2\*x-1)/(x^2+x+1) lgdegf]  
A232980 27.7325 [ -(x^4-x^3-x^2-2\*x-1)/(x^2+x+1) lgdegf]  
A232980 3.88016 [ {(-n^2-5\*n-6)\*a(n+1)+(n+3)\*a(n+2)+(n+1)\*a(n+3)+(n^3+7\*n^2+14\*n+8)\*a(n+4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1/3}, egf]  
A232981 7.00492 [ -(-x^8-x^7-x^6-x^5-x^4-4\*x^3-3\*x^2-2\*x-1)/(x^4+x^3+x^2+x+1) lgdegf]  
A232985 10.7028 [ -(-89\*x^11+100\*x^10-10)/(11\*x^12-11\*x^11-10\*x+10) lgdegf]  
A232985 12.2317 [ -(221\*x^11-220)/(x-1)/(21\*x^11-220) egf]  
A232990 15.8876 [ -(x^2-x+1)\*(x+1)/(x-1)/(x^4+x^3+x^2+x+1) ogf]  
A232990 21.6214 [ -x^5+x^4+x^2 ogf\_with\_Euler\_transform]

A232990 9.40714 [  $-(2*x^7+5*x^4+3*x^2)/(x^8+x^5-x^3-1)$  lgdogf]  
A232991 15.1607 [  $-(x^4+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A232991 20.6322 [  $-x^7+x^5+x^3$  ogf\_with\_Euler\_transform]  
A232999 7.74590 [  $-2*(x^5+16*x^4-32*x^3-44*x^2+43*x-8)/(x-1)/(x+1)/(x^2-4*x+1)/(x^2+2*x-1)$  ogf]  
A233000 6.79604 [  $-(5*x^7+10*x^6-70*x^5+6*x^4+122*x^3-38*x^2-43*x+16)/(x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A233006 10.6941 [  $-(-x^4+x^3-x^2+x-1)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A233013 4.26373 [  $\{-a(n+3)+19*a(n+2)-45*a(n+1)+27*a(n), a(0) = 5, a(1) = 74, a(2) = 1202\}$ , ogf]  
A233013 7.68764 [  $-(21*x^2-21*x+5)/(x-1)/(27*x^2-18*x+1)$  ogf]  
A233014 6.21958 [  $-(226*x^3-321*x^2+129*x-14)/(x-1)/(263*x^3-267*x^2+45*x-1)$  ogf]  
A233020 12.5586 [  $-(-4*x-5)/(-2*x^2-5*x+1)$  lgdogf]  
A233020 18.2671 [  $-3/(2*x^2+5*x-1)$  ogf]  
A233020 7.26283 [  $\{-a(n+2)+5*a(n+1)+2*a(n), a(0) = 3, a(1) = 15\}$ , ogf]  
A233021 7.20107 [  $-3*(x^2-6*x+3)/(2*x^4-11*x^3-5*x^2+11*x-1)$  ogf]  
A233035 9.75402 [  $-x^3*(x^4+x^3+x^2+x+4)/(x+1)^2/(x^2+1)^2/(x-1)^3$  ogf]  
A233036 9.79535 [  $-2*x^3*(x^5-2*x^4+x^3-x+2)/(x+1)/(x^2+1)/(x-1)^3$  ogf]  
A233068 4.82695 [  $(x^5-6*x^4+14*x^3-22*x^2+20*x-5)/(x-1)/(2*x^4-9*x^3+15*x^2-13*x+1)$  ogf]  
A233077 11.2636 [  $-5*(3*x-1)/(21*x-1)/(x-1)$  ogf]  
A233077 6.36065 [  $\{a(n+2)-22*a(n+1)+21*a(n), a(0) = 5, a(1) = 95\}$ , ogf]  
A233077 7.72364 [  $-(-63*x^2+42*x-19)/(-63*x^3+87*x^2-25*x+1)$  lgdogf]  
A233078 10.4485 [  $-2*(19*x-7)/(49*x-1)/(x-1)$  ogf]  
A233078 5.88480 [  $\{a(n+2)-50*a(n+1)+49*a(n), a(0) = 14, a(1) = 662\}$ , ogf]  
A233078 6.64906 [  $-(-931*x^2+686*x-331)/(-931*x^3+1293*x^2-369*x+7)$  lgdogf]  
A233079 3.44365 [  $\{-a(n+3)+118*a(n+2)-411*a(n+1)+294*a(n), a(0) = 41, a(1) = 4631, a(2) = 529862\}$ , ogf]  
A233079 6.07422 [  $-(255*x^2-207*x+41)/(x-1)/(294*x^2-117*x+1)$  ogf]  
A233080 4.22030 [  $-(8771*x^3-7803*x^2+2112*x-122)/(x-1)/(9604*x^3-3969*x^2+282*x-1)$  ogf]  
A233083 11.0398 [  $(4*x^2-10*x+3)/(7*x-1)/(x-1)$  ogf]  
A233083 5.73221 [  $\{a(n+3)-8*a(n+2)+7*a(n+1), a(0) = 3, a(1) = 14, a(2) = 95\}$ , ogf]  
A233083 7.35988 [  $-(-38*x^2-34*x+14)/(-28*x^4+102*x^3-105*x^2+34*x-3)$  lgdogf]  
A233084 6.06101 [  $-(-27*x^4-81*x^3+117*x^2-68*x+10)/(x-1)/(27*x^2-18*x+1)$  ogf]  
A233085 3.73886 [  $(60858*x^7-116910*x^6+69603*x^5-24245*x^4+14289*x^3-4269*x^2+670*x-36)/(3*x-1)/(x-1)/(263*x^3-267*x^2+45*x-1)$  ogf]  
A233093 4.17074 [  $\{-a(n+3)+16*a(n+2)-21*a(n+1)+6*a(n), a(0) = 5, a(1) = 65, a(2) = 941\}$ , ogf]  
A233093 7.62462 [  $-(6*x^2-15*x+5)/(x-1)/(6*x^2-15*x+1)$  ogf]  
A233094 4.40898 [  $\{-a(n+3)+31*a(n+2)-35*a(n+1)+5*a(n), a(0) = 14, a(1) = 386, a(2) = 11486\}$ , ogf]  
A233094 8.08312 [  $-2*(5*x^2-24*x+7)/(x-1)/(5*x^2-30*x+1)$  ogf]  
A233099 4.11913 [  $\{a(n+4)-6*a(n+3)-a(n+2)+6*a(n+1), a(0) = 3, a(1) = 11, a(2) = 65, a(3) = 386\}$ , ogf]  
A233099 8.11887 [  $(3*x^3-4*x^2-7*x+3)/(x-1)/(6*x-1)/(x+1)$  ogf]  
A233100 4.87516 [  $(18*x^5-89*x^4+93*x^3+29*x^2-56*x+10)/(x-1)/(12*x^4-40*x^3+7*x^2+12*x-1)$  ogf]  
A233106 5.39084 [  $\{-a(n+3)+9*a(n+2)-23*a(n+1)+15*a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A233106 9.60244 [  $-(11*x^2-7*x+1)/(x-1)/(3*x-1)/(5*x-1)$  ogf]  
A233107 4.25131 [  $\{-a(n+3)+29*a(n+2)-175*a(n+1)+147*a(n), a(0) = 2, a(1) = 19, a(2) = 313\}$ , ogf]  
A233107 7.39358 [  $-(16*x-1)*(7*x-2)/(x-1)/(7*x-1)/(21*x-1)$  ogf]  
A233108 3.89018 [  $-(7230*x^4-8295*x^3+2937*x^2-353*x+6)/(x-1)/(27*x^2-18*x+1)/(335*x^2-92*x+1)$  ogf]  
A233123 11.6845 [  $-(8*x-1)/(12*x-1)/(4*x-1)$  ogf]  
A233123 6.53774 [  $\{a(n+2)-16*a(n+1)+48*a(n), a(0) = 1, a(1) = 8\}$ , ogf]



A233123 7.62736 [  $[-(-384x^2+96x-8)/(-384x^3+176x^2-24x+1) \text{ lgdogf}]$   
A233124 4.30625 [  $\{-a(n+3)+48a(n+2)-448a(n+1)+1024a(n), a(0) = 3, a(1) = 80, a(2) = 2688\}, \text{ ogf}]$   
A233124 7.50517 [  $-(192x^2-64x+3)/(8x-1)/(128x^2-40x+1) \text{ ogf}]$   
A233125 4.11716 [  $-2*(40960x^3-7168x^2+352x-5)/(16x-1)/(24576x^3-3840x^2+144x-1) \text{ ogf}]$   
A233130 10.6558 [  $(3/4x+3/4+1/4*(-7x^2-6x+1)^{(1/2)})x \text{ revogf}]$   
A233139 12.6602 [  $(x^3+2x-1)/(2x^4+x^3+2x-1) \text{ ogf}]$   
A233139 7.35498 [  $[-(-2x^6-12x^4+8x^3)/(-2x^7-x^6-4x^5-2x^4+2x^3-4x^2+4x-1) \text{ lgdogf}]$   
A233141 5.47198 [  $-(x^4-22x^3+93x^2-34x+2)/(x-1)/(x^2-6x+1)/(x^2-18x+1) \text{ ogf}]$   
A233149 8.66494 [  $-(x^7+4x^6+23x^4+3x^3+20x^2-4x+1)/(x-1)^4/(x+1)^4 \text{ ogf}]$   
A233152 10.7509 [  $-24*(3x-2)/(18x^2-15x+1) \text{ ogf}]$   
A233152 6.05508 [  $\{a(n+2)-15a(n+1)+18a(n), a(0) = 48, a(1) = 648\}, \text{ ogf}]$   
A233152 7.52560 [  $[-(-54x^2+72x-27)/(-54x^3+81x^2-33x+2) \text{ lgdogf}]$   
A233153 4.24922 [  $\{a(n+3)-25a(n+2)+90a(n+1)-81a(n), a(0) = 96, a(1) = 1944, a(2) = 40392\}, \text{ ogf}]$   
A233153 7.57470 [  $-24*(18x^2-19x+4)/(81x^3-90x^2+25x-1) \text{ ogf}]$   
A233154 6.18576 [  $-24*(270x^3-279x^2+93x-8)/(3x-1)/(270x^3-234x^2+39x-1) \text{ ogf}]$   
A233156 5.00710 [  $\{-a(n+4)+5a(n+3)-2a(n+2), a(0) = 27, a(1) = 96, a(2) = 432, a(3) = 1944\}, \text{ ogf}]$   
A233156 9.46655 [  $-3*(8x^3-2x^2+13x-9)/(2x^2-5x+1) \text{ ogf}]$   
A233157 5.67078 [  $-3*(216x^6-360x^5+96x^4-186x^3+117x^2-115x+27)/(6x^3-15x^2+9x-1) \text{ ogf}]$   
A233162 4.63407 [  $\{-a(n+4)+12a(n+3)-44a(n+2)+48a(n+1), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 11\}, \text{ ogf}]$   
A233162 8.40311 [  $(29x^3-35x^2+11x-1)/(6x-1)/(2x-1)/(4x-1) \text{ ogf}]$   
A233163 4.91803 [  $\{a(n+3)-24a(n+2)+128a(n+1), a(0) = 3, a(1) = 8, a(2) = 96\}, \text{ ogf}]$   
A233163 5.79234 [  $[-(-1280x^2+192x-8)/(36864x^4-15104x^3+2208x^2-136x+3) \text{ lgdogf}]$   
A233163 8.83578 [  $(288x^2-64x+3)/(16x-1)/(8x-1) \text{ ogf}]$   
A233164 5.19231 [  $\{a(n+3)-48a(n+2)+512a(n+1), a(0) = 11, a(1) = 64, a(2) = 1280\}, \text{ ogf}]$   
A233164 5.82810 [  $[-(-53248x^2+3584x-64)/(1966080x^4-421888x^3+31744x^2-992x+11) \text{ lgdogf}]$   
A233164 9.21216 [  $(3840x^2-464x+11)/(32x-1)/(16x-1) \text{ ogf}]$   
A233165 4.48407 [  $\{a(n+3)-96a(n+2)+2048a(n+1), a(0) = 48, a(1) = 512, a(2) = 18432\}, \text{ ogf}]$   
A233165 7.79538 [  $16*(4224x^2-256x+3)/(64x-1)/(32x-1) \text{ ogf}]$   
A233166 3.65303 [  $\{a(n+3)-192a(n+2)+8192a(n+1), a(0) = 236, a(1) = 4096, a(2) = 278528\}, \text{ ogf}]$   
A233166 6.10579 [  $4*(356352x^2-10304x+59)/(128x-1)/(64x-1) \text{ ogf}]$   
A233167 3.28968 [  $\{a(n+3)-384a(n+2)+32768a(n+1), a(0) = 1248, a(1) = 32768, a(2) = 4325376\}, \text{ ogf}]$   
A233167 5.37907 [  $32*(1019904x^2-13952x+39)/(256x-1)/(128x-1) \text{ ogf}]$   
A233170 3.72720 [  $\{-a(n+3)+128a(n+2)-2816a(n+1)+16384a(n), a(0) = 10, a(1) = 800, a(2) = 78336\}, \text{ ogf}]$   
A233170 6.27738 [  $-2*(2048x^2-240x+5)/(16x-1)/(1024x^2-112x+1) \text{ ogf}]$   
A233175 4.50416 [  $\{a(n+4)-12a(n+3)+128a(n+1), a(0) = 3, a(1) = 8, a(2) = 80, a(3) = 800\}, \text{ ogf}]$   
A233175 7.94851 [  $(224x^3-16x^2-28x+3)/(4x-1)/(32x^2+8x-1) \text{ ogf}]$   
A233176 5.54518 [  $(53248x^4-20992x^3+576x^2+272x-11)/(8x-1)/(1024x^3-256x^2-24x+1) \text{ ogf}]$   
A233191 6.17335 [  $-(2x^6+x^4+2x^2-1)/(8x^{12}+8x^9+18x^8-12x^7-4x^6+8x^5-5x^4-4x^3-4x^2+1) \text{ ogf}]$   
A233196 4.80296 [  $\{a(n+3)-20a(n+2)+64a(n+1), a(0) = 1, a(1) = 3, a(2) = 36\}, \text{ ogf}]$   
A233196 6.00370 [  $[-(288x^2-48x+3)/(-2560x^4+1888x^3-444x^2+37x-1) \text{ lgdogf}]$

A233196 8.84756 [ (40\*x^2-17\*x+1)/(16\*x-1)/(4\*x-1) ogf]  
A233197 3.65401 [ {-a(n+4)+64\*a(n+3)-960\*a(n+2)+4096\*a(n+1), a(0) = 3, a(1) = 36, a(2) = 1440, a(3) = 62720}, ogf]  
A233197 6.42754 [ (7168\*x^3-2016\*x^2+156\*x-3)/(8\*x-1)/(512\*x^2-56\*x+1) ogf]  
A233211 4.43614 [ {-a(n+3)+35\*a(n+2)-259\*a(n+1)+225\*a(n), a(0) = 2, a(1) = 23, a(2) = 452}, ogf]  
A233211 7.71503 [ -(165\*x^2-47\*x+2)/(x-1)/(25\*x-1)/(9\*x-1) ogf]  
A233212 3.76600 [ {-a(n+3)+127\*a(n+2)-2331\*a(n+1)+2205\*a(n), a(0) = 6, a(1) = 376, a(2) = 35446}, ogf]  
A233212 6.41238 [ -2\*(840\*x^2-193\*x+3)/(x-1)/(105\*x-1)/(21\*x-1) ogf]  
A233213 3.23353 [ {-a(n+3)+491\*a(n+2)-22099\*a(n+1)+21609\*a(n), a(0) = 23, a(1) = 7222, a(2) = 3054973}, ogf]  
A233213 5.40286 [ -(17248\*x^2-4071\*x+23)/(x-1)/(49\*x-1)/(441\*x-1) ogf]  
A233218 3.58692 [ {-a(n+4)+29\*a(n+3)-175\*a(n+2)+147\*a(n+1), a(0) = 3, a(1) = 23, a(2) = 376, a(3) = 7222}, ogf]  
A233218 6.57601 [ (98\*x^3-234\*x^2+64\*x-3)/(x-1)/(7\*x-1)/(21\*x-1) ogf]  
A233224 5.22199 [ -(18\*x^4+75\*x^3+38\*x^2-28\*x+2)/(x-1)/(2\*x^2+5\*x-1)/(14\*x^2+15\*x-1) ogf]  
A233231 6.86959 [ -(3\*x^6+2\*x^5+7\*x^4-13\*x^3+2\*x^2+x+2)/(x-1)/(x^6-10\*x^3+1) ogf]  
A233234 4.01766 [ -(120\*x^4-738\*x^3+1179\*x^2-287\*x+6)/(x-1)/(6\*x^2-15\*x+1)/(20\*x^2-77\*x+1) ogf]  
A233235 4.14853 [ -(70\*x^4-2703\*x^3+12411\*x^2-2649\*x+23)/(x-1)/(7\*x^2-280\*x+1)/(5\*x^2-30\*x+1) ogf]  
A233240 4.89598 [ (75\*x^5-31\*x^4-239\*x^3-77\*x^2+50\*x-3)/(x-1)/(6\*x-1)/(x+1)/(20\*x^2+17\*x-1) ogf]  
A233247 8.95457 [ -(x^3+x^2-1)/(x^3-x^2-1)/(x^3+2\*x^2+x-1) ogf]  
A233251 11.4954 [ -(64\*x-3)/(48\*x-1)/(8\*x-1) ogf]  
A233251 6.47441 [ {a(n+2)-56\*a(n+1)+384\*a(n), a(0) = 3, a(1) = 104}, ogf]  
A233251 6.86920 [ -(-24576\*x^2+2304\*x-104)/(-24576\*x^3+4736\*x^2-232\*x+3) lgdogf]  
A233252 4.80598 [ {a(n+2)-160\*a(n+1)+2304\*a(n), a(0) = 10, a(1) = 1184}, ogf]  
A233252 8.25177 [ -2\*(208\*x-5)/(144\*x-1)/(16\*x-1) ogf]  
A233253 3.23896 [ {-a(n+3)+512\*a(n+2)-33792\*a(n+1)+589824\*a(n), a(0) = 36, a(1) = 13952, a(2) = 6049792}, ogf]  
A233253 5.35827 [ -4\*(30720\*x^2-1120\*x+9)/(32\*x-1)/(18432\*x^2-480\*x+1) ogf]  
A233257 5.26750 [ {a(n+3)-16\*a(n+2)+48\*a(n+1), a(0) = 3, a(1) = 10, a(2) = 104}, ogf]  
A233257 6.55374 [ -(416\*x^2-112\*x+10)/(-4224\*x^4+3232\*x^3-840\*x^2+86\*x-3) lgdogf]  
A233257 9.88811 [ (88\*x^2-38\*x+3)/(12\*x-1)/(4\*x-1) ogf]  
A233258 3.22696 [ {-a(n+5)+48\*a(n+4)-448\*a(n+3)+1024\*a(n+2), a(0) = 11, a(1) = 136, a(2) = 4672, a(3) = 166400, a(4) = 6049792}, ogf]  
A233258 5.61356 [ -(16384\*x^4-8192\*x^3+3072\*x^2-392\*x+11)/(8\*x-1)/(128\*x^2-40\*x+1) ogf]  
A233289 4.77997 [ -(x^7-x^6+x^5-x^4+4\*x^3+2\*x^2+x-1)/(x-1)/(x^9+3\*x^7-x^6+6\*x^5+17\*x^4+15\*x^3+2\*x^2+2\*x-1) ogf]  
A233325 10.0347 [ -(-36\*x^2-12\*x+13)/(-36\*x^3+36\*x^2+x-1) lgdogf]  
A233325 15.3865 [ (6\*x+1)/(6\*x-1)/(x-1) ogf]  
A233325 8.34208 [ {-a(n+2)+7\*a(n+1)-6\*a(n), a(0) = 1, a(1) = 13}, ogf]  
A233326 14.8843 [ (7\*x+1)/(7\*x-1)/(x-1) ogf]  
A233326 8.06981 [ {-a(n+2)+8\*a(n+1)-7\*a(n), a(0) = 1, a(1) = 15}, ogf]  
A233326 9.70716 [ -(-49\*x^2-14\*x+15)/(-49\*x^3+49\*x^2+x-1) lgdogf]  
A233328 10.2367 [ -(-64\*x^2-16\*x+17)/(-64\*x^3+64\*x^2+x-1) lgdogf]  
A233328 15.6962 [ (8\*x+1)/(8\*x-1)/(x-1) ogf]  
A233328 8.50999 [ {-a(n+2)+9\*a(n+1)-8\*a(n), a(0) = 1, a(1) = 17}, ogf]  
A233329 11.1909 [ -(-5\*x^3-27\*x^2-21\*x-7)/(-x^4-4\*x^3+4\*x+1) lgdogf]  
A233329 8.90458 [ -(x^2+4\*x+1)/(x+1)^2/(x-1)^5 ogf]  
A233334 9.79446 [ -(x^6-x^5+x^4-x^3+x^2-x-1)/(x-1)^2 ogf]  
A233402 9.26164 [ -(3\*x^5+2\*x^4-9\*x^3-5\*x^2+11\*x+9)/(x-1)^3/(x+1)^3 ogf]  
A233411 11.9896 [ -(12\*x^2+4\*x-2)/(4\*x^3-2\*x^2-2\*x+1) lgdogf]  
A233411 17.3184 [ 2\*x^2/(2\*x-1)/(2\*x^2-1) ogf]  
A233411 7.08478 [ {a(n+3)-2\*a(n+2)-2\*a(n+1)+4\*a(n), a(0) = 0, a(1) = 0, a(2) =

2}], ogf]

A233431 5.83311 [  $-(2*x^5+2*x^4+3*x^3+x^2-x)/(-x^6-x^5-x^4-x^3-x^2-x-1)$   
ogf\_with\_Euler\_transform]

A233449 5.56901 [  $\{(-2^n-6)*a(n+1)+(n+5)*a(n+2)-a(n+3), a(0) = 1, a(1) = 3, a(2) = 8\}$ , ogf]

A233450 8.31219 [  $x*(x^3+x^2-5*x-1)/(x-1)/(x^4-10*x^2+1)$  ogf]

A233457 4.83252 [  $x*(x+1)*(7*x^3+5*x^2+3*x+1)*(x^6-x^5+x^4-x^3+x^2-x+1)*(x^4+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf]

A233474 7.01924 [  $-(x^4+3*x^3+10*x^2+3*x+1)/(x-1)/(x^2+6*x-1)/(x^2-6*x-1)$  ogf]

A233481 13.4808 [  $-(3*x-2)/(2*x^2-3*x+1)$  lgdegf]

A233481 29.0041 [  $-(3*x-2)/(2*x^2-3*x+1)$  lgdegf]

A233481 3.63527 [  $\{(-2^n-3-13*n^2-27*n-18)*a(n+1)+(3*n^2+14*n+15)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]

A233490 6.08132 [  $-(2028*x^3-14118*x^2+809*x+16928)/(x+1)/(3*x^3-24*x^2+26*x-1)$   
ogf]

A233522 11.8982 [  $-(9*x^8-4*x^3-1)/(x^9-x^4-x+1)$  lgdogf]

A233522 21.8671 [  $1/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)/(x^3+x^2-1)$  ogf]

A233581 12.1934 [  $-(2*x^2-2*x+1)/(x^3-3*x^2+2*x-1)$  ogf]

A233581 6.70086 [  $\{a(n+3)-2*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 0, a(2) = -1\}$ ,  
ogf]

A233581 7.99781 [  $-(2*x^4-4*x^3+5*x^2-2*x)/(2*x^5-8*x^4+11*x^3-9*x^2+4*x-1)$   
lgdogf]

A233583 12.5106 [  $(x^3-2*x+2)/(x-1)^2$  ogf]

A233583 5.81632 [  $\{a(n+4)-2*a(n+3)+a(n+2), a(0) = 2, a(1) = 2, a(2) = 2, a(3) = 3\}$ , ogf]

A233583 8.28825 [  $-(x^3+3*x^2-2*x+2)/(x^4-x^3-2*x^2+4*x-2)$  lgdogf]

A233611 5.76785 [  $-8*(4056*x^3-7280*x^2-1632*x+2133)/(2*x-1)/(24*x^3-32*x^2-24*x+1)$   
ogf]

A233628 5.29451 [  $-2*(295*x^4-389*x^3-253*x^2+108*x+50)/(37*x^5-55*x^4-27*x^3+19*x^2+5*x-1)$  ogf]

A233637 14.1431 [  $-6*(7*x+4)/(6*x^2+2*x-1)$  ogf]

A233637 7.91338 [  $\{a(n+2)-2*a(n+1)-6*a(n), a(0) = 24, a(1) = 90\}$ , ogf]

A233637 9.63368 [  $-(42*x^2-48*x-15)/(-42*x^3-38*x^2-x+4)$  lgdogf]

A233638 4.13474 [  $-2*(17*x^6-405*x^5+619*x^4+312*x^3-505*x^2-3*x+45)/(2*x^7-48*x^6+81*x^5+26*x^4-67*x^3+9*x^2+6*x-1)$  ogf]

A233656 10.1626 [  $-(3*x^3-15*x^2+13*x-3)/(-3*x^4-2*x^3+10*x^2-6*x+1)$  lgdogf]

A233656 13.8278 [  $(x^2+2*x-1)/(3*x-1)/(x-1)^2$  ogf]

A233656 7.53123 [  $\{a(n+3)-5*a(n+2)+7*a(n+1)-3*a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$ ,  
ogf]

A233657 4.66726 [  $\{(27*n^3+378*n^2+1761*n+2730)*a(n+1)+(-4*n^3-62*n^2-290*n-364)*a(n+2), a(0) = 1, a(1) = 10\}$ , ogf]

A233658 4.60796 [  $\{(-256*n^4-3200*n^3-14960*n^2-31000*n-24024)*a(n+1)+(27*n^4+378*n^3+1941*n^2+4302*n+3432)*a(n+2), a(0) = 1, a(1) = 7\}$ , ogf]

A233666 3.78462 [  $\{(-256*n^4-3456*n^3-17456*n^2-39096*n-32760)*a(n+1)+(27*n^4+405*n^3+2220*n^2+5220*n+4368)*a(n+2), a(0) = 1, a(1) = 8\}$ , ogf]

A233667 3.86420 [  $\{(-256*n^4-3968*n^3-23024*n^2-59272*n-57120)*a(n+1)+(27*n^4+459*n^3+2832*n^2+7404*n+6720)*a(n+2), a(0) = 1, a(1) = 10\}$ , ogf]

A233668 13.0834 [  $64*x/(1+(1+4*x)^(1/2))^6$  revogf]

A233668 3.35647 [  $\{(3125*n^4+31250*n^3+116875*n^2+193750*n+120120)*a(n+1)+(-256*n^4-2944*n^3-12528*n^2-23336*n-16016)*a(n+2), a(0) = 1, a(1) = 6\}$ ,  
ogf]

A233669 3.40352 [  $\{(-3125*n^4-34375*n^3-141250*n^2-257000*n-174720)*a(n+1)+(256*n^4+3200*n^3+14768*n^2+29704*n+21840)*a(n+2), a(0) = 1, a(1) = 7\}$ , ogf]

A233675 7.29629 [  $-8*(28*x^3+14*x^2-17*x-6)/(16*x^4+4*x^3-12*x^2-x+1)$  ogf]

A233684 5.46701 [  $\{-a(n+3)+2*a(n+2)+5*a(n+1)-2*a(n), a(0) = 32, a(1) = 108, a(2) = 356\}$ , ogf]

A233684 9.99438 [  $-4*(5*x^2-11*x-8)/(2*x^3-5*x^2-2*x+1)$  ogf]

A233710 3.55856 [  $-4*(736*x^7-208*x^6-1324*x^5+96*x^4+725*x^3+78*x^2-111*x-24)/(128*x^8-64*x^7-228*x^6+68*x^5+129*x^4-14*x^3-24*x^2+1)$  ogf]

A233726 7.82300 [  $-4*(6*x^3+22*x^2-7*x-10)/(2*x^4+7*x^3-5*x^2-3*x+1)$  ogf]

A233735 4.57278 [  $-x^3*(x^{21}-x^{20}-x^{11}+x^{10}+x^9-x^8+x^6-x^5+x^3+x^2-x+1)/$

$(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A233744 3.73111 [  $\{(-n^2-7*n-12)*a(n+1)+(-n^2-6*n-8)*a(n+2)+(2*n+8)*a(n+3)-a(n+4), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 36\}$ , ogf]  
A233745 5.57822 [  $-(2*x^23-2*x^22+x^13-x^12+x^10-x^9+x^8-x^7+x^6-x^5+x^4+x^3-2*x^2-1)/(x-1)^2$  ogf]  
A233746 9.48691 [  $-(x^26-x^25+x^6-x^3+x^2+x-3)/(x-1)^2$  ogf]  
A233785 8.77186 [  $-4*(132*x^3+36*x^2-47*x-12)/(40*x^4-18*x^2+1)$  ogf]  
A233795 7.84387 [  $x^4*(x^32-x^31+x^10+x^7+x^5+x^3+1)/(x+1)/(x^4-x^2+1)/(x^2+1)/(x^2-x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A233811 5.33185 [  $-4*(1392*x^5+312*x^4-1176*x^3-264*x^2+107*x+24)/(240*x^6-220*x^4+30*x^2-1)$  ogf]  
A233820 13.8076 [  $-5*(2*x^3+3*x^2+x+4)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A233828 12.3224 [  $-(x^2+3*x-1)/(x^3+2*x^2+2*x-1)$  ogf]  
A233828 6.71129 [  $\{a(n+3)-2*a(n+2)-2*a(n+1)-a(n), a(0) = -1, a(1) = 1, a(2) = 1\}$ , ogf]  
A233828 7.82984 [  $-(-x^4-6*x^3-x^2+2*x-1)/(-x^5-5*x^4-7*x^3-3*x^2+5*x-1)$  lgdogf]  
A233831 11.9575 [  $-(x^2-x-1)/(x^3-2*x^2-2*x-1)$  ogf]  
A233831 6.51255 [  $\{a(n+3)+2*a(n+2)+2*a(n+1)-a(n), a(0) = -1, a(1) = 1, a(2) = 1\}$ , ogf]  
A233831 7.59798 [  $-(-x^4+2*x^3-x^2-6*x-1)/(-x^5+3*x^4+x^3-3*x^2-3*x-1)$  lgdogf]  
A233835 16.5013 [  $256*x/(1+(1+4*x)^(1/2))^8$  revogf]  
A233838 4.03492 [  $-64*(28800*x^3-42720*x^2+188*x+3151)/(4*x+1)/(128*x^3-224*x^2+60*x-1)$  ogf]  
A233868 5.06910 [  $\{-a(n+5)+5*a(n+4)-4*a(n+3), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7, a(4) = 31\}$ , ogf]  
A233868 9.19680 [  $(12*x^4-5*x^3-2*x^2-3*x+1)/(4*x-1)/(x-1)$  ogf]  
A233877 5.05783 [  $-4*(64*x^5-172*x^4-86*x^3+280*x^2-18*x-19)/(x^2-3*x+1)/(12*x^4-20*x^2+1)$  ogf]  
A233895 10.4827 [  $-(-2*x^3-3*x^2-x)/(4*x^4+4*x^3+6*x^2+4*x+1)$  revogf]  
A233897 5.20311 [  $-16*(5760*x^5+1280*x^4-1036*x^3-228*x^2+41*x+9)/(4*x-1)/(4*x+1)/(20*x^2-1)/(8*x^2-1)$  ogf]  
A233921 4.66802 [  $-2*(200*x^5+644*x^4+198*x^3-403*x^2-35*x+49)/(2*x-1)/(10*x^5+35*x^4+20*x^3-13*x^2-4*x+1)$  ogf]  
A233942 7.34320 [  $-2*(9*x^3-56*x^2+3*x+22)/(2*x^4-13*x^3+3*x^2+5*x-1)$  ogf]  
A233951 7.07425 [  $-4*(3*x+4)*(9*x^2-5)/(6*x^4+7*x^3-5*x^2-4*x+1)$  ogf]  
A233960 5.96965 [  $-4*(56*x^4-12*x^3-126*x^2-x+12)/(2*x^2+2*x-1)/(8*x^3-12*x^2-2*x+1)$  ogf]  
A233969 13.3689 [  $-(x^4-x^3-x^2-2)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A233982 5.23033 [  $\{-a(n+3)+2*a(n+2)+8*a(n+1)+4*a(n), a(0) = 56, a(1) = 236, a(2) = 976\}$ , ogf]  
A233982 9.41460 [  $-4*(14*x^2+31*x+14)/(4*x^3+8*x^2+2*x-1)$  ogf]  
A234029 7.23968 [  $-(78*x^3+240*x^2+120*x-61)/(6*x^4+18*x^3+6*x^2-7*x+1)$  ogf]  
A234038 8.03795 [  $-(8*x^4-8*x^3+2*x-1)/(x-1)/(2*x+1)/(2*x-1)/(4*x^2-2*x+1)$  ogf]  
A234041 5.64097 [  $\{(-n^2-11*n-30)*a(n+1)+(n^2+5*n+6)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 10\}$ , ogf]  
A234041 8.54868 [  $-(x^6+x^5+2*x^4+7*x^3+2*x^2+x+1)/(x-1)^3/(x^2+x+1)^3$  ogf]  
A234043 7.44484 [  $-(14*x^3+73*x^2+37*x+1)/(x-1)^5$  ogf]  
A234043 7.44484 [  $-(28*x^3+261*x^2+294*x+42)/(14*x^4+59*x^3-36*x^2-36*x-1)$  lgdogf]  
A234044 7.03632 [  $(2*x^5+x^4+x^3+x^2+2)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A234045 26.2789 [  $x^6-x-1$  ogf\_with\_Euler\_transform]  
A234045 7.74807 [  $-x^2*(x-1)*(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A234046 22.6542 [  $x^6-x^3-1$  ogf\_with\_Euler\_transform]  
A234046 8.13069 [  $-x*(x-1)*(x+1)*(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A234076 4.41666 [  $-4*(352*x^5+240*x^4-588*x^3-416*x^2+23*x+24)/(8*x^4-14*x^2+1)/(8*x^2+4*x-1)$  ogf]  
A234107 4.96062 [  $-2*(152*x^5-712*x^4-364*x^3+331*x^2+47*x-28)/(2*x-1)/(4*x^2+2*x-1)/(2*x^3-10*x^2-x+1)$  ogf]  
A234116 6.53305 [  $-(85*x^3-437*x^2-89*x+145)/(5*x^4-26*x^3-4*x^2+10*x-1)$  ogf]  
A234117 4.69240 [  $-(5904*x^4-11213*x^3-13417*x^2-867*x+673)/(144*x^5-277*x^4-324*x^3-10*x^2+20*x-1)$  ogf]

A234124 4.40507 [  $-(228x^5+1038x^4+1221x^3-93x^2-441x+91)/(12x^6+54x^5+57x^4-18x^3-24x^2+10x-1)$  ogf]  
A234133 10.1443 [  $-16*(14x^2-x-2)/(2x-1)/(8x^2-1)$  ogf]  
A234133 5.72245 [  $\{a(n+3)-2a(n+2)-8a(n+1)+16a(n), a(0) = 32, a(1) = 80, a(2) = 192\}$ , ogf]  
A234134 5.42537 [  $-8*(200x^5-172x^4-122x^3+100x^2+11x-10)/(2x-1)/(x-1)/(8x^2-1)/(2x^2-1)$  ogf]  
A234135 4.89122 [  $-8*(584x^5-412x^4-362x^3+242x^2+35x-24)/(2x-1)/(x-1)/(8x^2-1)/(2x^2-1)$  ogf]  
A234136 4.87794 [  $-8*(1736x^5-1084x^4-1082x^3+646x^2+107x-64)/(2x-1)/(x-1)/(8x^2-1)/(2x^2-1)$  ogf]  
A234137 4.79079 [  $-8*(4616x^5-2652x^4-2882x^3+1610x^2+287x-160)/(2x-1)/(x-1)/(8x^2-1)/(2x^2-1)$  ogf]  
A234138 4.77884 [  $-8*(13448x^5-7324x^4-8402x^3+4498x^2+839x-448)/(2x-1)/(x-1)/(8x^2-1)/(2x^2-1)$  ogf]  
A234139 4.79010 [  $-8*(35336x^5-18652x^4-22082x^3+11546x^2+2207x-1152)/(2x-1)/(x-1)/(8x^2-1)/(2x^2-1)$  ogf]  
A234146 3.24561 [  $-4*(1530x^7+2673x^6-3115x^5-4199x^4+697x^3+858x^2-40x-46)/(204x^8+322x^7-478x^6-494x^5+192x^4+105x^3-25x^2-6x+1)$  ogf]  
A234154 5.02674 [  $\{-a(n+3)+7a(n+2)-9a(n+1)-6a(n), a(0) = 46, a(1) = 226, a(2) = 1108\}$ , ogf]  
A234154 9.26805 [  $-2*(30x^2+48x-23)/(6x^3+9x^2-7x+1)$  ogf]  
A234155 3.98826 [  $-2*(130x^5-450x^4-1539x^3+299x^2+703x-113)/(10x^6-35x^5-118x^4+31x^3+59x^2-16x+1)$  ogf]  
A234162 6.40096 [  $-2*(3240x^3+2172x^2-111x-68)/(33x^2-1)/(8x^2+4x-1)$  ogf]  
A234170 4.36342 [  $-8*(98448x^5+13152x^4-22680x^3-2632x^2+567x+56)/(16176x^6-4144x^4+154x^2-1)$  ogf]  
A234177 5.22222 [  $-2*(96x^4+294x^3+75x^2-186x+38)/(12x^5+36x^4+3x^3-27x^2+10x-1)$  ogf]  
A234185 3.03201 [  $-2*(246960x^6-124320x^5-147294x^4+51305x^3+18990x^2-619x-206)/(48x^3-32x^2-6x+1)/(210x^4-88x^2+1)$  ogf]  
A234210 8.17213 [  $-4*(512x^3+120x^2-77x-18)/(112x^4-24x^2+1)$  ogf]  
A234220 4.80307 [  $\{-a(n+3)+4a(n+2)+20a(n+1)-80a(n), a(0) = 104, a(1) = 436, a(2) = 1824\}$ , ogf]  
A234220 8.42278 [  $-4*(500x^2-5x-26)/(4x-1)/(20x^2-1)$  ogf]  
A234221 4.14794 [  $-4*(90000x^5-26580x^4-11976x^3+3507x^2+373x-109)/(3x-1)/(4x-1)/(12x^2-1)/(20x^2-1)$  ogf]  
A234228 4.21524 [  $-4*(1033800x^5+110640x^4-126860x^3-13696x^2+1315x+142)/(90x^2-1)/(744x^4-92x^2+1)$  ogf]  
A234249 11.7637 [  $-(7x^2+42x+14)/(x^3+4x^2-4x-1)$  lgdogf]  
A234249 3.76895 [  $\{(n+4)a(n+4)+(-2+4n)a(n+3)+(-50-4n)a(n+2)+(-8-n)a(n+1), a(0) = 15, a(1) = 210, a(2) = 1365, a(3) = 5985\}$ , ogf]  
A234249 6.47002 [  $-15*(x^2+5x+1)/(x-1)^9$  ogf]  
A234250 6.84486 [  $x*(x^4-3x^3+2x^2+x-16)/(x-1)^7$  ogf]  
A234250 7.99697 [  $-(-3x^4+8x^3-x^2-10x+111)/(-x^5+4x^4-5x^3+x^2+17x-16)$  lgdogf]  
A234253 3.84700 [  $\{(-n^2-22n-121)a(n+1)+(2n^2+28n+130)a(n+2)+(-n^2-6n-9)a(n+3), a(0) = 1, a(1) = 82, a(2) = 2107\}$ , ogf]  
A234255 13.5156 [  $-x*(3x^3-3x^2+x+2)/(x^2-x+1)/(x-1)$  ogf]  
A234255 6.89958 [  $\{a(n+5)-2a(n+4)+2a(n+3)-a(n+2), a(0) = 0, a(1) = 2, a(2) = 5, a(3) = 3, a(4) = 1\}$ , ogf]  
A234259 10.7495 [  $-2*(54x^2-3x-10)/(2x-1)/(6x^2-1)$  ogf]  
A234259 5.97195 [  $\{a(n+3)-2a(n+2)-6a(n+1)+12a(n), a(0) = 20, a(1) = 46, a(2) = 104\}$ , ogf]  
A234260 5.72720 [  $-2*(324x^5-294x^4-212x^3+185x^2+25x-23)/(2x-1)/(x-1)/(6x^2-1)/(2x^2-1)$  ogf]  
A234261 5.60552 [  $-2*(876x^5-666x^4-580x^3+421x^2+71x-52)/(2x-1)/(x-1)/(6x^2-1)/(2x^2-1)$  ogf]  
A234262 5.19259 [  $-2*(2268x^5-1554x^4-1508x^3+989x^2+187x-122)/(2x-1)/$

$(x-1)/(6*x^2-1)/(2*x^2-1)$  ogf]  
A234263 5.27863 [  $-2*(5580*x^5-3498*x^4-3716*x^3+2261*x^2+463*x-280)/(2*x-1)/(x-1)/(6*x^2-1)/(2*x^2-1)$  ogf]  
A234264 5.15460 [  $-2*(13932*x^5-8250*x^4-9284*x^3+5381*x^2+1159*x-668)/(2*x-1)/(x-1)/(6*x^2-1)/(2*x^2-1)$  ogf]  
A234265 4.94843 [  $-2*(33420*x^5-18954*x^4-22276*x^3+12469*x^2+2783*x-1552)/(2*x-1)/(x-1)/(6*x^2-1)/(2*x^2-1)$  ogf]  
A234267 14.3778 [  $-(x-1)/(2*x-1)/(x^3-6*x^2+5*x-1)$  ogf]  
A234267 8.88043 [  $-(6*x^4-34*x^3+55*x^2-32*x+6)/(2*x^5-15*x^4+29*x^3-23*x^2+8*x-1)$  lgdogf]  
A234271 10.3222 [  $(x^4+4*x^3+10*x^2+4*x+1)/(x^4-2*x^3-2*x^2-2*x+1)$  ogf]  
A234271 7.58729 [  $-(-6*x^6-24*x^5-6*x^4+6*x^2+24*x+6)/(-x^8-2*x^7+26*x^5+34*x^4+26*x^3-2*x-1)$  lgdogf]  
A234272 15.8426 [  $-(8*x^2-8)/(x^4-14*x^2+1)$  lgdogf]  
A234272 17.0382 [  $(x^2+4*x+1)/(x^2-4*x+1)$  ogf]  
A234272 8.76724 [  $\{-a(n+3)+4*a(n+2)-a(n+1), a(0) = 1, a(1) = 8, a(2) = 32\}$ , ogf]  
A234273 12.4538 [  $(x+1)*(x^2+1)/(x^6-x^4-2*x^3-x^2+1)$  ogf]  
A234274 8.49616 [  $(x^4+x^3+x^2+x+1)*(x+1)/(x^4-6*x^3-6*x^2-6*x+1)$  ogf]  
A234275 10.0425 [  $-(-4*x^3+12*x^2-20*x-4)/(4*x^4-13*x^3+7*x^2+x+1)$  lgdogf]  
A234275 13.6643 [  $-(-4*x^3-9*x^2-2*x-1)/(x-1)^2$  ogf]  
A234275 7.18556 [  $\{-a(n+4)+2*a(n+3)-a(n+2), a(0) = 1, a(1) = 4, a(2) = 16, a(3) = 24\}$ , ogf]  
A234277 15.4915 [  $-(-32*x^2-13*x-5)/(-4*x^3-x^2+4*x+1)$  lgdogf]  
A234277 9.38018 [  $-x^7*(4*x+1)/(x+1)^4/(x-1)^5$  ogf]  
A234279 10.9008 [  $-(-16*x^2+64*x-63)/(-16*x^3+64*x^2-65*x+2)$  lgdogf]  
A234279 16.2353 [  $-(x-2)/(16*x^2-32*x+1)$  ogf]  
A234279 8.97715 [  $\{-a(n+2)+32*a(n+1)-16*a(n), a(0) = 2, a(1) = 63\}$ , ogf]  
A234290 10.6683 [  $-(-6*x-1+2*(-6*x+1)^{1/2})/(12*x^2+4*x-1)$  lgdegf]  
A234312 14.2949 [  $-(10*x^4+4*x)/(2*x^5+2*x^2-1)$  lgdogf]  
A234312 22.0219 [  $-1/(2*x^5+2*x^2-1)$  ogf]  
A234319 5.02506 [  $\{-a(n+5)+2*a(n+4)-a(n+3), a(0) = 0, a(1) = 3, a(2) = 25, a(3) = -3, a(4) = -4\}$ , ogf]  
A234319 9.31115 [  $x*(27*x^3-50*x^2+19*x+3)/(x-1)^2$  ogf]  
A234326 7.75900 [  $-16*(48*x^3+12*x^2-27*x-5)/(48*x^4-32*x^2+1)$  ogf]  
A234355 5.37032 [  $(3*x^{17}-7*x^{16}+8*x^{15}+9*x^{14}+5*x^{12}+4*x^{11}+7*x^{10}+2*x^9+6*x^8+8*x^7+6*x^6+5*x^5+x^4+2*x^3+9*x^2+7)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A234381 3.65274 [  $-24*(259584*x^5+247936*x^4-20208*x^3-18336*x^2-350*x-691)/(9216*x^6+8448*x^5-1056*x^4-624*x^3+12*x^2-24*x+1)$  ogf]  
A234414 3.76342 [  $-2*(264*x^6+1200*x^5+1212*x^4-714*x^3-711*x^2+414*x-53)/(24*x^7+108*x^6+96*x^5-90*x^4-57*x^3+54*x^2-13*x+1)$  ogf]  
A234429 10.5795 [  $(2*x^4-x^3-x^2-x+4)/(x-1)^2$  ogf]  
A234429 5.70299 [  $\{a(n+5)-2*a(n+4)+a(n+3), a(0) = 4, a(1) = 7, a(2) = 9, a(3) = 10, a(4) = 13\}$ , ogf]  
A234429 9.12479 [  $-(-4*x^4-9*x^3+3*x^2+3*x-7)/(-2*x^5+3*x^4-5*x+4)$  lgdogf]  
A234436 13.8066 [  $-8*(15*x+4)/(14*x^2-1)$  ogf]  
A234436 8.51095 [  $-(-210*x^2+112*x+15)/(210*x^3+56*x^2-15*x-4)$  lgdogf]  
A234436 9.13675 [  $\{a(n+2)-14*a(n), a(0) = 32, a(1) = 120\}$ , ogf]  
A234437 4.31395 [  $-2*(420*x^5-946*x^4-644*x^3+1493*x^2+9*x-60)/(2*x^2-5*x+1)/(16*x^4-26*x^2+1)$  ogf]  
A234444 7.39057 [  $-32*(265*x^3+48*x^2-35*x-5)/(344*x^4-60*x^2+1)$  ogf]  
A234452 4.90927 [  $-8*(6480*x^5+1080*x^4-5880*x^3-832*x^2+300*x+35)/(1440*x^6-1384*x^4+100*x^2-1)$  ogf]  
A234466 21.2552 [  $-x*(x-1)^7$  revogf]  
A234467 13.7211 [  $512*x/(1+(4*x+1)^{1/2})^9$  revogf]  
A234483 5.05700 [  $\{-a(n+3)+7*a(n+2)-9*a(n+1)-12*a(n), a(0) = 62, a(1) = 242, a(2) = 944\}$ , ogf]  
A234483 8.90636 [  $-2*(96*x^2+96*x-31)/(4*x-1)/(3*x^2+3*x-1)$  ogf]  
A234484 5.67762 [  $-2*(768*x^4+1920*x^3+528*x^2-747*x+121)/(4*x-1)/(2*x^2+3*x-1)/(3*x^2+3*x-1)$  ogf]  
A234491 5.08903 [  $-2*(14760*x^4-15072*x^3-7103*x^2+292*x+125)/(56*x^2-1)/$

$(15x^3-18x^2-5x+1)$  ogf]  
A234513 22.1939  $[x^*(x-1)^8$  revogf]  
A234543 5.46280  $[-4*(2160x^4-1822x^2-9x+52)/(6x-1)/(40x^4-34x^2+1)$  ogf]  
A234550 5.01635  $[-4*(131040x^5+16560x^4-41684x^3-5516x^2+679x+90)/(60x^2-1)/(180x^4-58x^2+1)$  ogf]  
A234557 5.94864  $[-2*(3000x^4-40x^3-651x^2+5x+35)/(3x-1)/(8x^2-1)/(10x^2-1)$  ogf]  
A234573 22.7274  $[-x^*(x-1)^9$  revogf]  
A234576 9.81140  $[-(x^3+3x^2+3x+4)/(x^4+3x^3+x^2+x-1)$  ogf]  
A234589 13.5039  $[-(x^7+x^6+1)/(x^8+x^7-x^6+2x-1)$  ogf]  
A234589 7.58298  $[-(-x^{14}-2x^{13}-2x^{12}+4x^7-4x^6-2)/(-x^{15}-2x^{14}+x^{12}-3x^8-2x^7+2x^6-2x+1)$  lgdogf]  
A234590 10.8206  $[-(x^2+x+1)*(x^6-x^4+x^3-x+1)/(x^9+x^8-x^7+2x-1)$  ogf]  
A234591 10.6744  $[-(x^9+x^8+1)/(x^{10}+x^9-x^8+2x-1)$  ogf]  
A234592 10.3935  $[-(x^{10}+x^9+1)/(x^{11}+x^{10}-x^9+2x-1)$  ogf]  
A234597 10.2574  $[-(x^3+5x^2+6x+5)/(x^4+3x^3+x^2+x-1)$  ogf]  
A234598 9.13982  $[-(x+3)*(2x^2+2x+3)/(x^4+3x^3+x^2+x-1)$  ogf]  
A234617 7.54227  $[-(24x^4-38x^3+49x^2-32x+6)/(4x-1)/(2x-1)^2/(x-1)^2$  ogf]  
A234651 5.33450  $[-8*(8640x^4-240x^3-836x^2+11x+20)/(4x-1)/(20x^2-1)/(24x^2-1)$  ogf]  
A234659 4.69685  $[-2*(30870x^4+30765x^3-6987x^2-729x+149)/(6x-1)/(42x^2-1)/(5x^2+5x-1)$  ogf]  
A234667 3.63409  $[-12*(53760x^6+26880x^5-35486x^4-15610x^3+3013x^2+256x-41)/(8x-1)/(12x^2+6x-1)/(105x^4-61x^2+1)$  ogf]  
A234674 8.12388  $[-4*(1080x^3+300x^2-101x-28)/(12x^2-1)/(10x^2-1)$  ogf]  
A234683 4.80925  $[-4*(164640x^5+33600x^4-13828x^3-2808x^2+287x+58)/(28x^2-1)/(20x^2-1)/(24x^2-1)$  ogf]  
A234697 4.90634  $[-12*(64512x^4-672x^3-2970x^2+15x+34)/(6x-1)/(48x^2-1)/(42x^2-1)$  ogf]  
A234705 3.16241  $[-2*(3440640x^6-43008x^5-374080x^4+3232x^3+13480x^2-60x-161)/(5x-1)/(28x^2-1)/(32x^2-1)/(24x^2-1)$  ogf]  
A234717 11.1517  $[-(2x^2+5x+1)/(x+1)/(x-1)^3$  ogf]  
A234717 8.29580  $[-(-4x^3-19x^2-18x-7)/(-2x^4-5x^3+x^2+5x+1)$  lgdogf]  
A234721 3.76339  $[-8*(645120x^7+141120x^6-116084x^5-25400x^4+6926x^3+1516x^2-137x-30)/(4x-1)/(4x+1)/(14x^2-1)/(20x^2-1)/(18x^2-1)$  ogf]  
A234731 4.62401  $[-24*(11760x^6-3090x^4+259x^2-7)/(4x-1)/(12x^2-1)/(15x^2-1)/(7x^2-1)$  ogf]  
A234753 4.49567  $[-2*(8x^5+33x^4-57x^3-122x^2+67x+55)/(x^6+4x^5-8x^4-16x^3+10x^2+8x-1)$  ogf]  
A234762 5.71210  $[-4*(39x^4+105x^3+27x^2-46x-14)/(10x^5+25x^4+x^3-14x^2-x+1)$  ogf]  
A234770 4.84110  $[-2*(513x^5-49x^4-713x^3-123x^2+183x+44)/(46x^6-10x^5-67x^4-x^3+21x^2+x-1)$  ogf]  
A234779 12.7801  $[-4*(12x-19)/(4x^2-7x+1)$  ogf]  
A234779 7.06666  $[{a(n+2)-7a(n+1)+4a(n), a(0) = 76, a(1) = 484},$  ogf]  
A234779 8.00888  $[-(-48x^2+152x-121)/(-48x^3+160x^2-145x+19)$  lgdogf]  
A234780 4.04023  $[{-a(n+3)+16a(n+2)-31a(n+1)+10a(n), a(0) = 484, a(1) = 6660, a(2) = 91916},$  ogf]  
A234780 7.05618  $[-4*(90x^2-271x+121)/(10x^3-31x^2+16x-1)$  ogf]  
A234787 4.21468  $[-1000*(x+1)*(x^4+56x^3+246x^2+56x+1)/(x-1)^7$  ogf]  
A234789 4.33776  $[{a(n+3)-15a(n+2)+36a(n+1)-20a(n), a(0) = 204, a(1) = 2504, a(2) = 30536},$  ogf]  
A234789 7.68403  $[-4*(80x^2-139x+51)/(2x-1)/(10x^2-13x+1)$  ogf]  
A234790 3.91245  $[-8*(320x^5-1659x^4+8422x^3-11300x^2+3702x-313)/(40x^6-208x^5+1056x^4-1429x^3+485x^2-47x+1)$  ogf]  
A234797 6.20827  $[2/7*7^(1/2)*\arctan(1/7*7^(1/2))$  +1)\*7^(1/2)-2/7\*7^(1/2)\*arctan(1/7\*7^(1/2)) revogf]  
A234816 3.83875  $[-2*(246960x^6-1260x^5-51948x^4+189x^3+3626x^2-7x-84)/$

$(4*x-1)/(12*x^2-1)/(15*x^2-1)/(14*x^2-1)$  ogf]  
A234825 5.31979 [ {a(n+3)-9\*a(n+2)+12\*a(n+1)-3\*a(n), a(0) = 69, a(1) = 516, a(2) = 3843}, ogf]  
A234825 9.59174 [ -3\*(9\*x^2-35\*x+23)/(3\*x^3-12\*x^2+9\*x-1) ogf]  
A234826 5.83273 [ -3\*(81\*x^3-834\*x^2+887\*x-172)/(9\*x^4-93\*x^3+102\*x^2-23\*x+1) ogf]  
A234833 10.0715 [ -(24\*x-1)/(192\*x^2-68\*x+1) ogf]  
A234833 5.73842 [ {a(n+2)-68\*a(n+1)+192\*a(n), a(0) = 1, a(1) = 44}, ogf]  
A234833 6.40914 [ -(-4608\*x^2+384\*x-44)/(-4608\*x^3+1824\*x^2-92\*x+1) lgdogf]  
A234875 9.75513 [ -4\*(18\*x^3+8\*x^2-17\*x-8)/(x-1)/(2\*x+1)/(2\*x-1)/(x+1) ogf]  
A234876 3.80425 [ -4\*(231\*x^8+110\*x^7-671\*x^6-104\*x^5+583\*x^4+10\*x^3-177\*x^2+3\*x+17)/(x-1)/(x^2+x-1)/(22\*x^6-29\*x^4+10\*x^2-1) ogf]  
A234883 5.91199 [ -8\*(73\*x^5+21\*x^4-114\*x^3-33\*x^2+34\*x+10)/(21\*x^6-37\*x^4+14\*x^2-1) ogf]  
A234902 10.1538 [ (7\*x^4+4\*x^3+4\*x^2+7\*x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A234903 13.9190 [ (4\*x^4+7\*x^3+2\*x^2+7\*x+4)/(x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A234904 11.2230 [ -(4\*x^4+11\*x^3+9\*x^2+8\*x+4)/(2\*x^5+3\*x^4+x^3-2\*x^2-3\*x-1) lgdogf]  
A234904 17.8464 [ 3\*(x+1)\*(2\*x+1)/(x^2+x+1)/(x-1)^2 ogf]  
A234904 6.44160 [ {(-6\*n-23)\*a(n+1)-6\*a(n+2)-6\*a(n+3)+(6\*n+17)\*a(n+4), a(0) = 3, a(1) = 12, a(2) = 18, a(3) = 21}, ogf]  
A234914 7.89679 [ -8\*(2\*x^3-3\*x^2-5\*x+5)/(x-1)/(x^3-x^2-3\*x+1) ogf]  
A234927 6.14170 [ 2\*(4\*x^8+8\*x^7-4\*x^6-78\*x^5-68\*x^4-32\*x^3-69\*x^2-44\*x-28)/(4\*x^6+2\*x^3-1) ogf]  
A234933 11.3744 [ -(8\*x^3-3\*x^2-8\*x+4)/(2\*x^4-x^3-4\*x^2+4\*x-1) lgdogf]  
A234933 17.1689 [ -2\*x^4/(2\*x-1)/(x-1)/(x^2+x-1) ogf]  
A234975 3.65878 [ -2\*(1197\*x^6+2943\*x^5-5523\*x^4-479\*x^3+1461\*x^2-13\*x-91)/(96\*x^7+224\*x^6-480\*x^5-x^4+134\*x^3-13\*x^2-9\*x+1) ogf]  
A234984 3.64698 [ -2\*(60\*x^7+324\*x^6-346\*x^5-916\*x^4-52\*x^3+375\*x^2+40\*x-45)/(2\*x^2-1)/(2\*x^6+10\*x^5-16\*x^4-23\*x^3+4\*x^2+5\*x-1) ogf]  
A235011 6.37586 [ -8\*(104\*x^4+26\*x^3-75\*x^2-11\*x+13)/(2\*x-1)/(2\*x^2-1)/(4\*x^2+x-1) ogf]  
A235012 3.96612 [ -8\*(944\*x^7-584\*x^6-1224\*x^5+676\*x^4+517\*x^3-259\*x^2-71\*x+33)/(2\*x-1)/(x-1)/(2\*x^2-1)/(3\*x^2-1)/(4\*x^2+x-1) ogf]  
A235019 6.30096 [ -4\*(192\*x^5+48\*x^4-318\*x^3-84\*x^2+83\*x+22)/(32\*x^6-56\*x^4+18\*x^2-1) ogf]  
A235049 6.29565 [ x^2\*(10\*x^18-8\*x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A235080 7.92935 [ -2\*(43\*x^3+103\*x^2-7\*x-19)/(5\*x^2-1)/(x^2+2\*x-1) ogf]  
A235088 15.6854 [ -(-10\*x^3-10\*x^2-22\*x-6)/(-5\*x^4+2\*x^2+3) lgdogf]  
A235088 19.5379 [ -(5\*x^2+3)/(x+1)/(x-1)^3 ogf]  
A235089 15.7519 [ -(-14\*x^2-16\*x-10)/(-7\*x^3-3\*x^2+7\*x+3) lgdogf]  
A235089 19.9128 [ (7\*x+3)/(x+1)/(x-1)^2 ogf]  
A235089 9.25772 [ {a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 10, a(2) = 13}, ogf]  
A235091 6.09350 [ -4\*(501\*x^4-13\*x^3-250\*x^2+4\*x+20)/(3\*x-1)/(26\*x^4-13\*x^2+1) ogf]  
A235100 4.69409 [ -2\*(648\*x^5+1656\*x^4+428\*x^3-741\*x^2-204\*x+77)/(6\*x^2+3\*x-1)/(6\*x^4+11\*x^3-4\*x^2-4\*x+1) ogf]  
A235115 10.1548 [ {a(n+2)-9\*a(n+1)+20\*a(n), a(0) = 5, a(1) = 24}, ogf]  
A235115 11.5271 [ -(-420\*x^2+200\*x-24)/(-420\*x^3+289\*x^2-66\*x+5) lgdogf]  
A235115 18.1490 [ -(21\*x-5)/(5\*x-1)/(4\*x-1) ogf]  
A235118 14.6978 [ -(4\*x+1)/(64\*x^2+20\*x-1) ogf]  
A235118 8.12704 [ {a(n+2)-20\*a(n+1)-64\*a(n), a(0) = 1, a(1) = 24}, ogf]  
A235118 9.33511 [ -(-256\*x^2-128\*x-24)/(-256\*x^3-144\*x^2-16\*x+1) lgdogf]  
A235136 3.39448 [ {(-2\*n^2-9\*n-10)\*a(n+1)+(-2\*n^2-15\*n-28)\*a(n+2)+(n+2)\*a(n+3)+(n+4)\*a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 5}, ogf]  
A235163 7.96495 [ -(3\*x^4-18\*x^3-9\*x^2+28\*x-9)/(x^5-6\*x^4-x^3+10\*x^2-6\*x+1) ogf]  
A235179 6.44778 [ -4\*(95\*x^5+30\*x^4-424\*x^3-144\*x^2+53\*x+18)/(7\*x^2-1)/(2\*x^4-9\*x^2+1) ogf]  
A235191 5.45819 [ -8\*(2188\*x^5+574\*x^4-1036\*x^3-275\*x^2+64\*x+17)/(13\*x^2-1)/



$(36x^4 - 17x^2 + 1)$  ogf]  
A235202 3.77272 [  
 $(869x^{15} + x^{14} + 9x^{13} + x^{12} + 9x^{11} + x^{10} + 9x^9 + x^8 + 69x^7 + x^6 + 9x^5 + x^4 + 9x^3 + x^2 + 9x + 1) / ((x+1) / (x^2+1) / (x^4+1) / (x^8+1) / (x-1)^2$  ogf]  
A235205 4.22181 [  $-4*(4784x^5 + 2754x^4 - 2714x^3 - 1555x^2 + 113x + 60) /$   
 $(8x^2 + 3x - 1) / (48x^4 - 27x^2 + 1)$  ogf]  
A235216 7.70643 [  $-(18x^3 + 56x^2 - 73x - 59) / (2x^4 + 6x^3 - 9x^2 - 6x + 1)$  ogf]  
A235224 13.3631 [  $-x*(x^{29} + x^5 + x + 1) / (x-1)$  ogf]  
A235232 3.66279 [  
 $-4*(528x^7 + 933x^6 - 2151x^5 - 3816x^4 + 358x^3 + 673x^2 - 15x - 30) / ((3x-1) / (3x+1) /$   
 $(2x^2 + 3x - 1) / (3x^4 - 12x^2 + 1)$  ogf]  
A235241 3.24128 [  
 $-2*(20036x^7 + 84602x^6 - 10791x^5 - 43251x^4 + 1124x^3 + 4034x^2 - 33x - 105) /$   
 $(17x^2 - 1) / (x^2 + 4x - 1) / (46x^4 - 21x^2 + 1)$  ogf]  
A235251 3.40854 [  
 $-4*(3504x^9 + 816x^8 - 23009x^7 - 5530x^6 + 38712x^5 + 9578x^4 - 5293x^3 - 1310x^2 + 186$   
 $x + 46) / ((11x^2 - 1) / (6x^4 - 17x^2 + 1) / (4x^4 - 15x^2 + 1)$  ogf]  
A235269 6.71973 [  $x*(x^9 - 2x^8 + x^7 - 2x^6 - x^4 - x^2 - x - 1) / (x^2 + x + 1) / (x^6 + x^3 + 1) /$   
 $(x-1)^3$  ogf]  
A235271 9.11388 [  $-4*(5x+2)*(24x^2 - 5) / (2x+1) / (2x-1) / (6x^2 - 1)$  ogf]  
A235272 3.49202 [  
 $-4*(2160x^8 - 1008x^7 - 3078x^6 + 966x^5 + 1559x^4 - 289x^3 - 332x^2 + 27x + 25) /$   
 $(2x-1) / (2x+1) / (x-1) / (6x^2 - 1) / (3x^2 - 1) / (2x^2 - 1)$  ogf]  
A235273 3.48964 [  
 $-4*(5040x^8 - 1872x^7 - 7062x^6 + 1698x^5 + 3481x^4 - 483x^3 - 717x^2 + 43x + 52) /$   
 $(2x-1) / (2x+1) / (x-1) / (6x^2 - 1) / (3x^2 - 1) / (2x^2 - 1)$  ogf]  
A235274 3.47094 [  
 $-4*(13824x^8 - 4032x^7 - 19026x^6 + 3486x^5 + 9167x^4 - 949x^3 - 1841x^2 + 81x + 130) /$   
 $(2x-1) / (2x+1) / (x-1) / (6x^2 - 1) / (3x^2 - 1) / (2x^2 - 1)$  ogf]  
A235275 3.45070 [  
 $-4*(31824x^8 - 7344x^7 - 43086x^6 + 6138x^5 + 20405x^4 - 1623x^3 - 4029x^2 + 135x$   
 $+ 280) / (2x-1) / (2x+1) / (x-1) / (6x^2 - 1) / (3x^2 - 1) / (2x^2 - 1)$  ogf]  
A235282 12.1060 [  $-4*(18x^2 - 5) / (2x-1) / (3x^2 - 1)$  ogf]  
A235282 6.21089 [  $\{a(n+3) - 2a(n+2) - 3a(n+1) + 6a(n), a(0) = 20, a(1) = 40, a(2) =$   
 $68\}$ , ogf]  
A235282 7.28829 [  $-(-108x^4 + 54x^2 + 6x - 10) / (-108x^5 + 54x^4 + 66x^3 - 33x^2 - 10x$   
 $+ 5)$  lgdogf]  
A235283 5.88240 [  $-4*(84x^5 - 72x^4 - 68x^3 + 55x^2 + 13x - 10) / (3x^2 - 1) / (2x^2 - 1) /$   
 $(2x-1) / (x-1)$  ogf]  
A235284 5.88989 [  $-4*(156x^5 - 120x^4 - 128x^3 + 92x^2 + 25x - 17) / (3x^2 - 1) /$   
 $(2x^2 - 1) / (2x-1) / (x-1)$  ogf]  
A235285 5.77664 [  $-4*(336x^5 - 234x^4 - 278x^3 + 181x^2 + 55x - 34) / (3x^2 - 1) /$   
 $(2x^2 - 1) / (2x-1) / (x-1)$  ogf]  
A235286 5.71295 [  $-4*(612x^5 - 396x^4 - 508x^3 + 310x^2 + 101x - 59) / (3x^2 - 1) /$   
 $(2x^2 - 1) / (2x-1) / (x-1)$  ogf]  
A235287 5.76609 [  $-4*(1272x^5 - 774x^4 - 1058x^3 + 613x^2 + 211x - 118) / (3x^2 - 1) /$   
 $(2x^2 - 1) / (2x-1) / (x-1)$  ogf]  
A235288 5.45555 [  $-4*(2316x^5 - 1344x^4 - 1928x^3 + 1076x^2 + 385x - 209) / (3x^2 - 1) /$   
 $(2x^2 - 1) / (2x-1) / (x-1)$  ogf]  
A235291 8.41754 [  $-4*(192x^3 + 72x^2 - 27x - 10) / (6x^2 - 1) / (8x^2 - 1)$  ogf]  
A235303 7.10789 [  $-2*(1800x^4 - 511x^2 + 35) / (3x-1) / (8x^2 - 1) / (5x^2 - 1)$  ogf]  
A235312 5.65298 [  $-8*(7x+2)*(540x^4 - 126x^2 + 7) / (12x^2 - 1) / (6x^2 - 1) / (10x^2 - 1)$   
ogf]  
A235332 12.6051 [  $-(-2x^2 + 6x + 23) / (-2x^3 + 7x^2 + x - 6)$  lgdogf]  
A235332 13.4316 [  $(2x^2 - 5x - 6) / (x-1)^3$  ogf]  
A235332 7.18710 [  $\{a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = 6, a(1) = 23, a(2) =$   
 $49\}$ , ogf]  
A235340 20.1256 [  $x*(x-1)^{10}$  revogf]  
A235348 11.7975 [  $-(5x^3 + 2x^2 - x) / (-x^2 + 1)$  revogf]  
A235349 11.7166 [  $-(2x^3 + x^2 - x) / (-x+1)$  revogf]  
A235350 13.1019 [  $-(-x^3 - 2x^2 + x) / (x^2 - 1)$  revogf]

A235351 12.7050  $[-(2*x^3+3*x^2-x)/(-x+1) \text{ revogf}]$   
A235355 24.9676  $[-x^3-x^2+4*x+2 \text{ ogf\_with\_Euler\_transform}]$   
A235355 7.33130  $[x*(x^2+1)*(x^2+x+1)/(x+1)^3/(x-1)^4 \text{ ogf}]$   
A235361 5.40246  $[(x^{13}-2*x^{12}+x^{11}-4*x^8+7*x^7-2*x^6-x^5-3*x^4-2*x^3-x^2+x-9)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3 \text{ ogf}]$   
A235367 7.99992  $[-2*x*(3*x^4+4*x^3+10*x^2+4*x+3)/(x+1)^3/(x-1)^5 \text{ ogf}]$   
A235367 8.29083  $[-(12*x^5+26*x^4+80*x^3+60*x^2+52*x+10)/(3*x^6+4*x^5+7*x^4-7*x^2-4*x-3) \text{ lgdogf}]$   
A235385 20.9919  $(\ln(x-1)+\ln(x+1)-I*Pi)/(x+1)/x^2/(x-1) \text{ lgdegf}$   
A235385 8.35467  $[(\ln(x-1)+\ln(x+1)-I*Pi)/(x+1)/x^2/(x-1) \text{ lgdegf}]$   
A235399 10.8690  $[(x^4+6*x^3-7*x^2+x+8)/(x+1)/(x-1)^2 \text{ ogf}]$   
A235432 4.34252  $[-(216*x^6-48*x^5-800*x^4+38*x^3+596*x^2+65*x-81)/(x-1)/(6*x^3-8*x^2-5*x+1)/(4*x^3+8*x^2+2*x-1) \text{ ogf}]$   
A235443 4.35265  $[-2*(8*x^6+5*x^5-56*x^4-56*x^3+58*x^2+41*x-29)/(2*x^3-3*x^2-6*x+1)/(x^2+x-1)^2 \text{ ogf}]$   
A235451 11.1942  $[(3*x^2+2*x+1)/(x+1)/(x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A235497 12.5913  $[-3*(540*x^{10}-600*x^9-7)/(x-1)^2 \text{ ogf}]$   
A235497 7.86954  $[-(-4320*x^{10}+9600*x^9-5400*x^8-14)/(540*x^{11}-1140*x^{10}+600*x^9-7*x+7) \text{ lgdogf}]$   
A235498 7.15535  $[x*(x^2+1)*(x^6+x^5+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 \text{ ogf}]$   
A235499 10.6679  $[x*(x^4+6*x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A235510 7.38822  $[-(8*x^4+6*x^3-23*x^2-6*x+16)/(x+1)/(2*x^2+3*x-1)/(x-1)^2 \text{ ogf}]$   
A235534 3.39363  $[ \{(-2916*n^4-17496*n^3-38961*n^2-38151*n-13860)*a(n+1)+(64*n^4+480*n^3+1340*n^2+1650*n+756)*a(n+2), a(0) = 1, a(1) = 3\}, \text{ ogf}]$   
A235537 8.81870  $[-(6*x^4-8*x^3-8*x^2+13*x+6)/(x+1)^2/(x-1)^3 \text{ ogf}]$   
A235541 5.17159  $[-(32*x^6+24*x^5-68*x^4-38*x^3+51*x^2+16*x-16)/(x-1)/(x+1)^3/(2*x-1)^3 \text{ ogf}]$   
A235549 7.11098  $[-2*(18*x^4-4*x^3-18*x^2+7*x+8)/(2*x-1)/(2*x^2-1)^2 \text{ ogf}]$   
A235566 7.85093  $[-2*(16*x^3-20*x^2-7*x+8)/(2*x-1)/(x-1)/(4*x^2+x-1) \text{ ogf}]$   
A235593 12.4127  $[-(4*x^3+18*x^2+6*x+7)/(x^4+2*x^3-3*x^2+x-1) \text{ lgdogf}]$   
A235593 5.37663  $[ \{(20*n^2+86*n+92)*a(n+1)+(-25*n^2+41*n+208)*a(n+2)+(5*n^2-37*n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}, \text{ ogf}]$   
A235593 9.57552  $[-x^3*(x^3+3*x^2+1)/(x-1)^7 \text{ ogf}]$   
A235594 6.12216  $[-(x^4+6*x^3+5*x+2)/(x-1)^9 \text{ ogf}]$   
A235594 7.65270  $[-(-5*x^4-40*x^3-18*x^2-40*x-23)/(-x^5-5*x^4+6*x^3-5*x^2+3*x+2) \text{ lgdogf}]$   
A235643 10.2127  $[-(-49*x^2+56*x-17)/(-49*x^3+70*x^2-31*x+4) \text{ lgdogf}]$   
A235643 15.2105  $[-4*(7*x-4)/(7*x^2-6*x+1) \text{ ogf}]$   
A235643 8.51062  $[ \{a(n+2)-6*a(n+1)+7*a(n), a(0) = 16, a(1) = 68\}, \text{ ogf}]$   
A235653 8.34525  $[-4*(4*x^3-8*x^2-3*x+4)/(2*x-1)/(2*x^3-3*x^2-2*x+1) \text{ ogf}]$   
A235673 5.17816  $[-2*(8*x^5-11*x^4-42*x^3+31*x^2+42*x-29)/(x-1)/(x^2+x-1)/(2*x^3-3*x^2-6*x+1) \text{ ogf}]$   
A235684 7.29854  $[-(x-1)*(x^2+x+1)*(x^6+x^3+1)/(x^{15}+x^{12}+x^{11}+x^{10}-2*x^9-x^6-x^3-x^2-x+1) \text{ ogf}]$   
A235698 6.12587  $[x*(x^{35}-5*x^{25}-2*x^{24}+3*x^{22}-2*x^{21}+3*x^{20}+2*x^{19}-4*x^{18}+3*x^{17}-2*x^{16}+x^{15}+x^{12}+x^8-6*x^4+4*x^3+2*x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A235699 10.4921  $[-(5*x^5+11*x^4-2*x^3+18*x^2+5*x+3)/(5*x^6-2*x^5+3*x^4-2*x^3-3*x^2-1) \text{ lgdogf}]$   
A235699 14.2485  $[x*(5*x^3+3*x^2+x+1)/(x^2+1)/(x-1)^2 \text{ ogf}]$   
A235699 6.17182  $[ \{(-5*n-4)*a(n)+(5*n-1)*a(n+1)+(-5*n-4)*a(n+2)+(5*n-1)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 7\}, \text{ ogf}]$   
A235700 11.9567  $[-(2*x^5+6*x^4-2*x^3+10*x^2+2*x+2)/(2*x^6+x^3-3*x^2+x-1) \text{ lgdogf}]$   
A235700 15.8877  $[(2*x^3+2*x^2+1)/(x^2+1)/(x-1)^2 \text{ ogf}]$   
A235700 5.91735  $[ \{(-n-3)*a(n+1)+(n+2)*a(n+2)+(-n-3)*a(n+3)+(n+2)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}, \text{ ogf}]$   
A235701 7.91632  $[-(x^3+2*x^2-x-1)^2/(7*x^6-14*x^4+7*x^2-1) \text{ ogf}]$   
A235702 18.4914  $[24/(-95*x^2+14*x+1) \text{ lgdogf}]$   
A235702 18.19780  $[-(1+19*x)/(5*x-1) \text{ ogf}]$   
A235702 9.87895  $[ \{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 24\}, \text{ ogf}]$   
A235789 8.28508  $[-x*(4*x^4-4*x^3+2*x^2-2*x+1)/(2*x^2-1)/(2*x^2+1)^2 \text{ ogf}]$

A235800 13.9359 [  $(x^2+x+3)/(x-1)^2/(x+1)^2$  ogf]  
A235800 9.80674 [  $-(2*x^3+3*x^2+14*x+1)/(x^4+x^3+2*x^2-x-3)$  lgdogf]  
A235801 6.37273 [  $x*(x^2+1)*(x^3+2*x^2+1)*(x^5+x^4+2*x+1)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2$  ogf]  
A235802 18.7969 [  $-2*\ln(x-1)-2/(x-1)+2+2*I*Pi)/(x-2)^2$  lgdegf]  
A235843 4.58827 [  $-4*(768*x^4+848*x^3-278*x^2-150*x+39)/(192*x^5+192*x^4-94*x^3-31*x^2+14*x-1)$  ogf]  
A235850 5.59709 [  $-4*(512*x^4-720*x^3-138*x^2+122*x+25)/(128*x^5-200*x^4-10*x^3+37*x^2+2*x-1)$  ogf]  
A235876 3.03340 [  $-3*(24*x^3-46*x^2+35*x-7)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A235877 14.3137 [  $-3*(18*x-7)/(3*x-1)/(2*x-1)$  ogf]  
A235877 8.00888 [  $\{a(n+2)-5*a(n+1)+6*a(n), a(0) = 21, a(1) = 51\}$ , ogf]  
A235877 9.21570 [  $(-(-108*x^2+84*x-17)/(-108*x^3+132*x^2-53*x+7))$  lgdogf]  
A235878 10.1371 [  $-3*(54*x^2-67*x+17)/(2*x-1)/(3*x-1)/(x-1)$  ogf]  
A235878 5.75580 [  $\{-a(n+3)+6*a(n+2)-11*a(n+1)+6*a(n), a(0) = 51, a(1) = 105, a(2) = 231\}$ , ogf]  
A235879 5.31455 [  $\{-a(n+3)+6*a(n+2)-11*a(n+1)+6*a(n), a(0) = 129, a(1) = 231, a(2) = 453\}$ , ogf]  
A235879 9.30047 [  $-3*(162*x^2-181*x+43)/(2*x-1)/(3*x-1)/(x-1)$  ogf]  
A235880 5.36797 [  $\{-a(n+3)+6*a(n+2)-11*a(n+1)+6*a(n), a(0) = 339, a(1) = 537, a(2) = 951\}$ , ogf]  
A235880 9.12554 [  $-3*(486*x^2-499*x+113)/(2*x-1)/(3*x-1)/(x-1)$  ogf]  
A235881 5.35803 [  $\{-a(n+3)+6*a(n+2)-11*a(n+1)+6*a(n), a(0) = 921, a(1) = 1311, a(2) = 2109\}$ , ogf]  
A235881 9.26174 [  $-3*(1458*x^2-1405*x+307)/(2*x-1)/(3*x-1)/(x-1)$  ogf]  
A235882 5.01165 [  $\{-a(n+3)+6*a(n+2)-11*a(n+1)+6*a(n), a(0) = 2571, a(1) = 3345, a(2) = 4911\}$ , ogf]  
A235882 8.37563 [  $-3*(4374*x^2-4027*x+857)/(2*x-1)/(3*x-1)/(x-1)$  ogf]  
A235883 5.07287 [  $\{-a(n+3)+6*a(n+2)-11*a(n+1)+6*a(n), a(0) = 7329, a(1) = 8871, a(2) = 11973\}$ , ogf]  
A235883 8.54744 [  $-3*(13122*x^2-11701*x+2443)/(2*x-1)/(3*x-1)/(x-1)$  ogf]  
A235885 3.17305 [  $-8*(4*x^2-6*x+5)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A235886 13.1369 [  $-8*(16*x-5)/(4*x-1)/(2*x-1)$  ogf]  
A235886 7.41849 [  $\{a(n+2)-6*a(n+1)+8*a(n), a(0) = 40, a(1) = 112\}$ , ogf]  
A235886 8.63797 [  $(-(-128*x^2+80*x-14)/(-128*x^3+136*x^2-46*x+5))$  lgdogf]  
A235887 5.32490 [  $\{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = 112, a(1) = 232, a(2) = 568\}$ , ogf]  
A235887 9.31857 [  $-8*(64*x^2-69*x+14)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A235888 5.30628 [  $\{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = 352, a(1) = 568, a(2) = 1096\}$ , ogf]  
A235888 9.09649 [  $-8*(256*x^2-237*x+44)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A235889 5.29530 [  $\{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = 1216, a(1) = 1624, a(2) = 2536\}$ , ogf]  
A235889 9.09897 [  $-8*(1024*x^2-861*x+152)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A235890 5.34598 [  $\{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = 4480, a(1) = 5272, a(2) = 6952\}$ , ogf]  
A235890 8.93437 [  $-8*(4096*x^2-3261*x+560)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A235891 4.84687 [  $\{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = 17152, a(1) = 18712, a(2) = 21928\}$ , ogf]  
A235891 7.97183 [  $-8*(16384*x^2-12669*x+2144)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A235892 4.89559 [  $\{-a(n+3)+7*a(n+2)-14*a(n+1)+8*a(n), a(0) = 67072, a(1) = 70168, a(2) = 76456\}$ , ogf]  
A235892 8.05196 [  $-8*(65536*x^2-49917*x+8384)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A235895 5.37003 [  $\{-a(n+3)+7*a(n+2)-10*a(n+1)-8*a(n), a(0) = 33, a(1) = 125, a(2) = 473\}$ , ogf]  
A235895 9.60095 [  $-(72*x^2+106*x-33)/(2*x^2+3*x-1)/(4*x-1)$  ogf]  
A235896 5.17906 [  $-(3888*x^4+5760*x^3+432*x^2-984*x+125)/(6*x-1)/(6*x^2+3*x-1)/(4*x^2+4*x-1)$  ogf]  
A235897 3.51213 [  $-(870912*x^6+1110848*x^5+178736*x^4-132224*x^3-11784*x^2+6668*x-473)/(6*x-1)/(2*x+1)/(8*x-1)/(14*x^2+3*x-1)/(8*x^2+6*x-1)$  ogf]

A235904 4.67646 [  $\{-a(n+3)+2*a(n+2)+20*a(n+1)-8*a(n), a(0) = 48, a(1) = 260, a(2) = 1408\}$ , ogf]  
A235904 8.43180 [  $-4*(18*x^2-41*x-12)/(8*x^3-20*x^2-2*x+1)$  ogf]  
A235905 4.67094 [  $-2*(2592*x^4+60*x^3-4808*x^2+269*x+130)/(192*x^5-24*x^4-368*x^3+58*x^2+8*x-1)$  ogf]  
A235921 16.9005 [  $210*(x+1)/(x-1)^2$  ogf]  
A235921 18.8210 [  $-(x+3)/(x^2-1)$  lgdogf]  
A235921 39.1724 [  $[3-x]$  ogf\_with\_Euler\_transform]  
A235921 9.62937 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 210, a(1) = 630\}$ , ogf]  
A235926 3.98826 [  $-4*(256*x^5-1760*x^4+400*x^3+1304*x^2+447*x+42)/(64*x^6-448*x^5+144*x^4+320*x^3+82*x^2-1)$  ogf]  
A235944 8.26927 [  $-(x^{11}+9*x^{10}+7*x^9+4*x^8+4*x^7+9*x^6+4*x^5+4*x^4+7*x^3+9*x^2+x+4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A235947 4.94106 [  $-(400*x^8+1280*x^7+1756*x^6+2976*x^5+2085*x^4+1936*x^3+905*x^2+294*x+81)/(48*x^6+36*x^4+8*x^3-1)$  ogf]  
A235948 3.68147 [  $2*(5*x^{11}-62*x^{10}-327*x^9-622*x^8-1190*x^7-1616*x^6-792*x^5-36*x^4+889*x^3+686*x^2+361*x+147)/(6*x^8+12*x^7-10*x^4-3*x^3+1)$  ogf]  
A235949 4.47067 [  $-(32*x^{12}+48*x^{11}+18*x^{10}-96*x^9-96*x^8-232*x^7-1092*x^6-1984*x^5-1142*x^4+1780*x^3+1494*x^2+1372*x+905)/(2*x^2-1)/(2*x^2+1)$  ogf]  
A235950 4.17691 [  $2*(x^{13}+8*x^{12}+16*x^{11}-16*x^{10}-69*x^9-56*x^8-64*x^7+790*x^6+4132*x^5+4712*x^4-1178*x^3-890*x^2-1330*x-1292)/(5*x^4-1)$  ogf]  
A235951 4.86560 [  $-(288*x^{12}-528*x^{10}-862*x^8+32*x^7-652*x^6-13408*x^5-24054*x^4+3496*x^3+2478*x^2+5034*x+7353)/(2*x^2-1)/(2*x^2+1)$  ogf]  
A235952 4.50403 [  $4*(32*x^{13}-144*x^{11}-62*x^9-16*x^8+508*x^7+770*x^6+9585*x^5+24318*x^4-1259*x^3-876*x^2-2438*x-5200)/(5*x^4-1)$  ogf]  
A235953 4.32344 [  $-2*(484*x^{14}-1364*x^{12}-975*x^{10}+2354*x^8+24*x^7+876*x^6-29716*x^5-113162*x^4+3660*x^3+2442*x^2+9234*x+29448)/(2*x^2-1)/(2*x^2+1)$  ogf]  
A235956 3.79863 [  $-2*(256*x^7-704*x^6+480*x^5+316*x^4-449*x^3+48*x^2+86*x-25)/(2*x-1)/(4*x^2+x-1)/(8*x^3-4*x^2-3*x+1)/(x-1)^2$  ogf]  
A235974 7.55628 [  $-(72*x^3-182*x^2+25*x+39)/(2*x^2-5*x+1)/(4*x^2-x-1)$  ogf]  
A235988 7.54854 [  $-(2*x^5+14*x^4+44*x^3+48*x^2+30*x+6)/(x^6+4*x^5+7*x^4-7*x^2-4*x-1)$  lgdogf]  
A235988 7.83887 [  $3*(x^4+4*x^3+8*x^2+4*x+1)/(x+1)^2/(x-1)^4$  ogf]  
A235996 12.3617 [  $-(-10*x^2-2*x+4)/(-2*x^3-x^2+3*x-1)$  lgdogf]  
A235996 13.1723 [  $-x^4/(2*x-1)/(x^2+x-1)^2$  ogf]  
A235996 4.27398 [  $\{(2*n+4)*a(n+1)+a(n+2)*n+(-3*n-1)*a(n+3)+a(n+4)*n, a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1\}$ , ogf]  
A236003 4.57521 [  $-4*(256*x^5+1056*x^4-16*x^3-600*x^2+225*x-22)/(4*x^3+14*x^2-8*x+1)/(16*x^3+8*x^2-8*x+1)$  ogf]  
A236011 4.70949 [  $-(64*x^6+300*x^5+586*x^4+784*x^3+547*x^2+306*x+81)/(8*x^6+16*x^5+30*x^4+14*x^3+9*x^2-1)$  ogf]  
A236048 4.62528 [  $-(64*x^7+176*x^6+560*x^5+596*x^4+808*x^3+383*x^2+292*x+81)/(8*x^6+12*x^5+24*x^4+4*x^3+9*x^2-1)$  ogf]  
A236049 3.89461 [  $4*(16*x^8+80*x^7+142*x^6-21*x^5-377*x^4-602*x^3-320*x^2-194*x-73)/(4*x^6+12*x^5+21*x^4+5*x^3+4*x^2+x-1)$  ogf]  
A236120 3.53663 [  $-8*(372*x^5-216*x^4-707*x^3-488*x^2-195*x-32)/(144*x^6-96*x^5-264*x^4-164*x^3-59*x^2-6*x+1)$  ogf]  
A236144 12.5422 [  $(x-1)*(x^2+2*x+2)/(x^2+1)/(x^2+x-1)$  ogf]  
A236148 5.27777 [  $-3*(64*x^4-56*x^3-92*x^2-111*x-27)/(12*x^5-12*x^4-16*x^3-18*x^2-x+1)$  ogf]  
A236149 3.52099 [  $-6*(27*x^7+43*x^6+171*x^5+399*x^4+237*x^3-126*x^2-210*x-69)/(2*x^8+2*x^7+11*x^6+22*x^5+x^4-24*x^3-19*x^2-3*x+1)$  ogf]

A236157 5.17445 [ (6\*x^5-38\*x^4+20\*x^3+37\*x^2+55\*x+14)/  
(12\*x^5-12\*x^4-16\*x^3-18\*x^2-x+1) ogf]  
A236158 3.80168 [ -(27\*x^7+43\*x^6+171\*x^5+399\*x^4+237\*x^3-126\*x^2-210\*x-69)/  
(2\*x^8+2\*x^7+11\*x^6+22\*x^5+x^4-24\*x^3-19\*x^2-3\*x+1) ogf]  
A236165 12.5931 [ (x^3+x^2-1)/(x^2+1)/(x^2+x-1) ogf]  
A236172 4.68624 [ -  
(x^14-2\*x^13+2\*x^12+2\*x^11+8\*x^9-4\*x^8+4\*x^7-8\*x^6-2\*x^4-2\*x^3+2\*x^2-x+3)/(x+1)/  
(x^4-x^3+x^2-x+1)/(x^2-x+1)/(x^8+x^7-x^5-x^4-x^3+x+1) ogf]  
A236175 8.81221 [ -(2\*x^7+11\*x^6+6\*x^5+3\*x^4+6\*x^3+3\*x^2+6\*x+11)/(x-1)/(x+1)/  
(x^2+1)/(x^4+1) ogf]  
A236185 8.88164 [ -2\*(3\*x^7+x^6+3\*x^5+2\*x^4+x^3+2\*x^2+x+2)/(x-1)/(x+1)/(x^2+1)/  
(x^4+1) ogf]  
A236191 9.65848 [ x\*(x+1)\*(x^3-2\*x^2-1)/(x^2-x-1)/(x^4+x^3+2\*x^2-x+1) ogf]  
A236192 6.94264 [ -(8\*x^7+91\*x^6+936\*x^5+8580\*x^4+68640\*x^3+463320\*x^2+8648640)/(-  
x^8-13\*x^7-156\*x^6-1716\*x^5-17160\*x^4-154440\*x^3-8648640\*x-51891840) lgdegf  
A236194 4.69922 [ {(27\*n^3+243\*n^2+726\*n+720)\*a(n  
+1)+(-4\*n^3-38\*n^2-116\*n-112)\*a(n+2), a(0) = 1, a(1) = 7}, ogf]  
A236203 10.4769 [ -(9\*x^3-5\*x^2-11\*x-5)/(3\*x^4-2\*x^3-6\*x^2+2\*x+3) lgdogf]  
A236203 9.98391 [ x^2\*(3\*x^2-2\*x-3)/(x+1)^2/(x-1)^3 ogf]  
A236213 10.3260 [ {-a(n+4)+a(n+3), a(0) = 4, a(1) = 2, a(2) = 6, a(3) = 2}, ogf]  
A236213 12.3912 [ -(-4\*x^3+8\*x^2-4\*x-1)/(2\*x^4-4\*x^3+3\*x^2-3\*x+2) lgdogf]  
A236213 18.7036 [ 2\*(2\*x^3-2\*x^2+x-2)/(x-1) ogf]  
A236257 11.8447 [ -(-18\*x^2+10\*x-4)/(-18\*x^3+41\*x^2-32\*x+9) lgdogf]  
A236257 12.9727 [ -(18\*x^2-23\*x+9)/(x-1)^3 ogf]  
A236257 7.29716 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 9, a(1) = 4, a(2) = 3},  
ogf]  
A236267 12.3273 [ -(6\*x^2+30\*x+12)/(6\*x^3+3\*x^2-8\*x-1) lgdogf]  
A236267 13.3377 [ -(6\*x^2+9\*x+1)/(x-1)^3 ogf]  
A236267 7.13685 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1, a(1) = 12, a(2) =  
39}, ogf]  
A236271 7.30666 [ -2\*(36\*x^3+80\*x^2+x-21)/(2\*x-1)/(4\*x^3+10\*x^2+3\*x-1) ogf]  
A236283 10.9423 [ -(2\*x^3-3\*x^2+2\*x+1)/(x+1)/(x-1)^3 ogf]  
A236283 8.57977 [ -(-2\*x^4+2\*x^3-6\*x^2-2\*x-4)/(-2\*x^5+3\*x^4-4\*x^2+2\*x+1) lgdogf]  
A236291 6.04142 [ (x^7-3\*x^6-2\*x^5-3\*x^4+6\*x^3-3\*x^2-x+1)/(2\*x-1)/(x-1)^3/(x  
+1)^3 ogf]  
A236294 8.10083 [ (x^6-2\*x^5+x^4-x^2+x-1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^3 ogf]  
A236323 8.92116 [ -4\*(14\*x^3+11\*x^2+8\*x+4)/(2\*x-1)/(4\*x^3+3\*x^2+2\*x+1) ogf]  
A236324 9.35842 [ 4\*(4\*x^4-15\*x^3-15\*x^2-11\*x-8)/(4\*x^4+x^3-1) ogf]  
A236326 13.8094 [ (7\*x^4+7\*x^3+4\*x^2+3\*x+3)/(x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A236327 14.8113 [ (11\*x^3+11\*x^2+6\*x+2)/(x+1)/(x^2+1)/(x-1)^2 ogf]  
A236333 9.50038 [ -(2\*x^8+2\*x^7-4\*x^5-5\*x^4+x^3+2\*x^2+3\*x+1)/(x-1)^3/(x^2+x+1)^3  
ogf]  
A236337 11.5115 [ -(-4\*x^3+8\*x^2+2\*x+3)/(-x^4+2\*x^3+x-2) lgdogf]  
A236337 12.0120 [ (x-2)/(x^2+x+1)/(x-1)^3 ogf]  
A236339 19.5968 [ [x^4-2\*x^2+x] revogf]  
A236340 10.5300 [ (x^2+x+1)\*(x^2-x-1)/(x+1)/(x^2+x-1) ogf]  
A236340 5.43216 [ {-a(n+5)+2\*a(n+3)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 3, a(3) =  
5, a(4) = 7}, ogf]  
A236343 9.84060 [ (x^3-2\*x^2+x-1)/(x^2+x+1)/(x-1)^3 ogf]  
A236348 11.7609 [ (x^3+2\*x^2-x+1)/(x^2+x+1)/(x-1)^2 ogf]  
A236348 4.97856 [ {(n+3)\*a(n+1)+a(n+2)+a(n+3)+(-n-2)\*a(n+4), a(0) = 1, a(1) = 0,  
a(2) = 2, a(3) = 4}, ogf]  
A236348 8.82071 [ -(-x^5-5\*x^4-8\*x^2-4\*x)/(-x^6-2\*x^5+x^4+2\*x^2-x+1) lgdogf]  
A236364 7.59206 [ -(2\*x^5+11\*x^4+38\*x^3+38\*x^2+26\*x+5)/  
(x^6+3\*x^5+6\*x^4-6\*x^2-3\*x-1) lgdogf]  
A236364 8.11824 [ (x^4+3\*x^3+7\*x^2+3\*x+1)/(x+1)^2/(x-1)^4 ogf]  
A236370 7.82763 [ (2\*x^4+8\*x^3+15\*x^2+7\*x+1)/(x+1)^2/(x-1)^4 ogf]  
A236377 5.61013 [ (9\*x^6-10\*x^5+11\*x^4+4\*x^3+3\*x^2-2\*x+1)/(x+1)/(x^2+1)^2/  
(x-1)^4 ogf]  
A236392 16.9835 [ -x\*(x^3+x^2+1)/(2\*x^4+x^3+x-1) ogf]  
A236392 8.62445 [ -(-2\*x^6-4\*x^5-x^4-6\*x^3-5\*x^2-2\*x-1)/(-2\*x^7-3\*x^6-x^5-3\*x^4-

$x^3+x^2-x+1$  lgdogf]  
A236398 15.2240 [  $-(x^3+2x^2+x+1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A236428 12.5454 [  $(x^2-x+1)/(x+1)/(x^2-3x+1)$  ogf]  
A236428 6.83277 [  $\{a(n+3)-2a(n+2)-2a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$ , ogf]  
A236428 7.97156 [  $(-x^4+2x^3-7x^2+6x+1)/(-x^5+3x^4-x^3-x^2+3x-1)$  lgdogf]  
A236432 16.9005 [  $210*(x+1)/(x-1)^2$  ogf]  
A236432 18.8210 [  $-(x+3)/(x^2-1)$  lgdogf]  
A236432 39.1724 [  $[3-x]$  ogf\_with\_Euler\_transform]  
A236432 9.62937 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 210, a(1) = 630\}$ , ogf]  
A236438 3.30346 [  $\{(n^2+4n+4)*a(n+1)+(3n^2+18n+28)*a(n+2)+(2n^2+13n+22)*a(n+3)+(-2n-8)*a(n+4), a(0) = 2, a(1) = 1, a(2) = 3, a(3) = 8\}$ , ogf]  
A236453 8.01916 [  $-(2x^3-2x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A236535 10.6352 [  $(-6x^4-12x^3-14x^2-11x-5)/(-3x^5-3x^4-2x^3+3x^2+3x+2)$  lgdogf]  
A236535 17.2603 [  $(3x^2+3x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A236535 6.30467 [  $\{(8n+31)*a(n+1)+8a(n+2)+8a(n+3)+(-8n-23)*a(n+4), a(0) = 2, a(1) = 5, a(2) = 8, a(3) = 10\}$ , ogf]  
A236549 4.23263 [  $-2*(4x^7+70x^6-93x^5-320x^4+304x^3+102x^2-31x-4)/(x^2+2x-1)/(x^2-2x-1)/(x^4+20x^3-25x^2-8x+1)$  ogf]  
A236571 5.24674 [  $-x*(26093548x^{14}+5173347x^{11}+2007196x^{10}-11973x^4-2763x-921)/(5x^2-1)/(2007196x^{10}-921)$  ogf]  
A236572 4.74147 [  $(16742952x^{15}+1302319x^{12}-3720656x^{11}-1860328x^{10}-6723x^5-747x^2+1494x+747)/(5x^2-1)/(1860328x^{10}-747)$  ogf]  
A236576 5.03827 [  $\{a(n+3)-6a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 22\}$ , ogf]  
A236576 7.49112 [  $(-x^3+3x^2+4)/(-x^4+4x^3-9x^2+7x-1)$  lgdogf]  
A236576 9.33320 [  $-(x-1)^2/(x^3-3x^2+6x-1)$  ogf]  
A236577 3.87304 [  $-(x^3+x^2-1)*(x-1)^2*(x^2+x+1)^2/(x^{12}+x^{11}-x^{10}-5x^9-3x^8+x^7+10x^6+5x^5+x^4-7x^3-x^2-x+1)$  ogf]  
A236579 6.95891 [  $-(x-1)^3/(x^4-4x^3+6x^2-6x+1)$  ogf]  
A236580 6.23304 [  $-(x-1)^3/(x^4-4x^3+6x^2-7x+1)$  ogf]  
A236581 6.76839 [  $-(x-1)^3/(x^4-4x^3+6x^2-8x+1)$  ogf]  
A236583 9.07618 [  $-(x-1)^2/(x^4-x^3+3x-1)$  ogf]  
A236584 10.5381 [  $-(x-1)/(2x^4-4x^3+x^2-2x+1)$  ogf]  
A236584 4.52695 [  $\{a(n+4)-2a(n+3)+a(n+2)-4a(n+1)+2a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5\}$ , ogf]  
A236652 10.7575 [  $(8x^4+x^3+5x^2+3x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A236653 11.8478 [  $(8x^3+2x^2+7x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A236653 4.75288 [  $\{(18n+55)*a(n+1)+18a(n+2)+18a(n+3)+(-18n-37)*a(n+4), a(0) = 1, a(1) = 8, a(2) = 10, a(3) = 19\}$ , ogf]  
A236664 4.12221 [  $-(77760x^6+45504x^5+20112x^4+9544x^3+1704x^2+290x+81)/(5760x^7+2304x^6+888x^5+436x^4+2x-1)$  ogf]  
A236677 10.3243 [  $(-6x^5+4x^3-2x)/(-x^6+x^4-x^2+1)$  lgdogf]  
A236677 18.1304 [  $-1/(x-1)/(x+1)/(x^4+1)$  ogf]  
A236677 20.0557 [  $x*(x^6-x^2+1)$  ogf\_with\_Euler\_transform]  
A236678 11.9142 [  $1/(x+1)/(x^4+1)/(x-1)^2$  ogf]  
A236678 24.8327 [  $x^7-x^3+x+1$  ogf\_with\_Euler\_transform]  
A236678 9.78663 [  $(-7x^5+x^4-4x^3+3x+1)/(x^6-x^4+x^2-1)$  lgdogf]  
A236680 9.65840 [  $-(4x^5+2x^2+1)/(2x^2-1)/(2x^2-2x+1)/(2x^2+1)$  ogf]  
A236739 3.36472 [  $-(6720x^8+5472x^7-10020x^6-7738x^5+4345x^4+2794x^3-874x^2-300x+81)/(x-1)/(4x-1)/(x+1)/(3x^2-1)/(4x^2+x-1)/(4x^2+2x-1)$  ogf]  
A236770 12.0702 [  $-(3x^2+30x+12)/(x^3+6x^2-6x-1)$  lgdogf]  
A236770 4.19280 [  $\{(n+3)*a(n+4)+6n*a(n+3)+(-36-6n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 12, a(3) = 51\}$ , ogf]  
A236770 9.59798 [  $-x*(x^2+7x+1)/(x-1)^5$  ogf]  
A236771 8.65434 [  $x*(2x^4-2x^2-3x-1)/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A236773 6.18964 [  $x*(x^7+2x^5+2x^4+2x^3+x^2+3x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/$

$(x-1)^4 \text{ ogf}$   
A236802 4.71557 [  $-(19440x^5-9000x^4-4008x^3+1972x^2+128x-81)/(3x-1)/(2x-1)/(6x^2-1)/(20x^2-1) \text{ ogf}$ ]  
A236841 7.31880 [  $x^*(x^{28}+x^{25}-1)/(x^{28}+x^{24}-1)/(x-1)^2 \text{ ogf}$ ]  
A236858 9.10173 [  $(12x^{23}-12x^{22}+6x^{11}-6x^{10}+2x^5-2x^4+x^3-x+1)/(x-1)^2 \text{ ogf}$ ]  
A236886 3.15255 [  $-(58112x^8-46592x^7-46992x^6+41760x^5+4460x^4-8552x^3+776x^2+484x-81)/(x-1)/(2x-1)/(4x-1)/(10x^2-1)/(6x^2-1)/(4x^2+2x-1) \text{ ogf}$ ]  
A236916 14.3242 [  $x^*(x^7+x^5+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 \text{ ogf}$ ]  
A236924 7.86633 [  $-(-4x^{10}-2x^9-x^8+x^7-5x^2-3x-2)/(x^{11}+x^{10}+x^9+x^8+x^3+x^2+x+1) \text{ ogf\_with\_Euler\_transform}$ ]  
A236926 7.58188 [  $-(4x^8-6x^7+9x^6-4x^5-3x^4+3x^3+8x^2-9x+6)/(-x^9-x^6-x^3-1) \text{ ogf\_with\_Euler\_transform}$ ]  
A236942 3.40432 [  $-2*(56700x^6+28035x^5-71862x^4-16274x^3+7019x^2+650x-128)/(x-1)/(3x^2+3x-1)/(20x^2+5x-1)/(63x^2+7x-1) \text{ ogf}$ ]  
A236967 14.4463 [  $(3x+1)^2/(3x-1)^2 \text{ ogf}$ ]  
A236967 23.2016 [  $12/(-9x^2+1) \text{ lgdogf}$ ]  
A236967 7.36206 [  $\{-a(n+3)+6a(n+2)-9a(n+1), a(0) = 1, a(1) = 12, a(2) = 72\}, \text{ ogf}$ ]  
A236990 5.90068 [  $\{a(n+4)-400a(n), a(0) = 81, a(1) = 360, a(2) = 1600, a(3) = 7200\}, \text{ ogf}$ ]  
A236990 8.59069 [  $-(7200x^3+1600x^2+360x+81)/(20x^2-1)/(20x^2+1) \text{ ogf}$ ]  
A236991 7.88993 [  $-72*(1458x^3+216x^2+33x+5)/(1944x^4-1) \text{ ogf}$ ]  
A236992 4.76512 [  $-64*(220320x^4-272x^3+92x^2+7x-25)/(10x-1)/(8704x^4-1) \text{ ogf}$ ]  
A237028 6.48979 [  $-(840x^4+390x^3-1025x^2-166x+81)/(20x^2+5x-1)/(3x^2+3x-1)/(x-1) \text{ ogf}$ ]  
A237036 7.02778 [  $-(7x^8-28x^7+42x^6-20x^5-20x^4+30x^3-10x^2-3)/(x-1)^4 \text{ ogf}$ ]  
A237041 6.92690 [  $-(3864x^{13}-3864x^{12}+1116x^9-1116x^8+1116x^5-1116x^4+6723x-6724)/(x-1)^2 \text{ ogf}$ ]  
A237128 11.0969 [  $-(-x^3-17x^2-13x-9)/(-x^4-8x^3+8x+1) \text{ lgdogf}$ ]  
A237128 12.6334 [  $36*(x^2+8x+1)/(x+1)/(x-1)^2 \text{ ogf}$ ]  
A237128 7.01854 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 36, a(1) = 324, a(2) = 396\}, \text{ ogf}$ ]  
A237132 12.1440 [  $-(x-1)*(3x^2+7x+3)/(x^2+x-1)/(x^2-x-1) \text{ ogf}$ ]  
A237133 12.4238 [  $-(x-1)*(4x^2+9x+4)/(x^2+x-1)/(x^2-x-1) \text{ ogf}$ ]  
A237160 3.23297 [  $-(9664x^8+15792x^7-11416x^6-14656x^5+5288x^4+4120x^3-1100x^2-322x+81)/(4x-1)/(2x^2-1)/(20x^4-10x^2+1)/(2x^2+3x-1) \text{ ogf}$ ]  
A237227 5.56387 [  $-(64x^6+208x^5+260x^4+640x^3+280x^2+268x+81)/(2x^2+1)/(4x^4+10x^2-1) \text{ ogf}$ ]  
A237228 4.14393 [  $4*(8x^7+6x^6-127x^5-402x^4-582x^3-307x^2-179x-67)/(4x^6+12x^5+21x^4+5x^3+4x^2+x-1) \text{ ogf}$ ]  
A237242 8.07969 [  $(336x^4-6496x^3-1488x^2-344x-81)/(352x^4-1) \text{ ogf}$ ]  
A237243 5.96329 [  $4*(513x^5+1974x^4-19605x^3-3150x^2-516x-86)/(1410x^4-1) \text{ ogf}$ ]  
A237250 11.8811 [  $-(x-1)*(2x+1)*(x+2)/(x^4-4x^2+1) \text{ ogf}$ ]  
A237254 12.2109 [  $-(x-1)*(x^2+3x+1)/(x^4-5x^2+1) \text{ ogf}$ ]  
A237255 11.8902 [  $-(x-1)*(2x+1)*(x+2)/(x^4-5x^2+1) \text{ ogf}$ ]  
A237262 11.6560 [  $-(x-1)*(x^2+3x+1)/(x^4-8x^2+1) \text{ ogf}$ ]  
A237268 12.9357 [  $-(x^3-3x^2+x-1)/(x^2-3x+1) \text{ ogf}$ ]  
A237268 6.86155 [  $\{a(n+4)-3a(n+3)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 21\}, \text{ ogf}$ ]  
A237268 8.05182 [  $-(-x^4-6x^3+11x^2-4x-2)/(-x^5+6x^4-11x^3+7x^2-4x+1) \text{ lgdogf}$ ]  
A237275 4.29608 [  $\{a(n+3)-2a(n+2)+4a(n+1)-8a(n), a(0) = 2, a(1) = 2, a(2) = 12\}, \text{ ogf}$ ]

A237275 7.82995 [  $-2*(8*x^2-x+1)/(2*x-1)/(4*x^2+1)$  ogf]  
A237317 7.50878 [  $(64*x^4-6608*x^3-1508*x^2-348*x-81)/(356*x^4-1)$  ogf]  
A237342 8.36130 [  $x*(10*x^5-9*x^4-9*x^3-9*x^2-9*x+1)/(10*x-1)/(x-1)$  ogf]  
A237343 7.80228 [  $x*(20*x^6-9*x^5-9*x^4-9*x^3-9*x^2-9*x+1)/(10*x-1)/(x-1)$  ogf]  
A237345 5.11217 [  $x*(10*x^{12}+10*x^{11}+10*x^{10}+10*x^9+20*x^8-25*x^7-15*x^6-5*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)/(x^4+x^3+x^2+x+1)/(10*x^5-1)$  ogf]  
A237356 7.91318 [  $-(2*x-1)*(120*x^3-122*x^2+24*x-1)/(x-1)/(2640*x^4-2540*x^3+646*x^2-54*x+1)$  ogf]  
A237357 13.0084 [  $(x-1)/(36*x^3+22*x^2+7*x-1)$  ogf]  
A237357 6.22141 [  $\{-a(n+3)+7*a(n+2)+22*a(n+1)+36*a(n), a(0) = 1, a(1) = 6, a(2) = 64\}$ , ogf]  
A237357 8.31933 [  $-(-72*x^3+86*x^2+44*x+6)/(-36*x^4+14*x^3+15*x^2+8*x-1)$  lgdogf]  
A237368 7.21242 [  $(2688*x^5+1476*x^4-3840*x^3-1024*x^2-288*x-81)/(14*x^2-1)/(14*x^2+1)$  ogf]  
A237377 8.18462 [  $-(64*x^4+6368*x^3+1472*x^2+344*x+81)/(336*x^4-1)$  ogf]  
A237378 5.96329 [  $4*(645*x^5-270*x^4-19047*x^3-3102*x^2-516*x-86)/(1320*x^4-1)$  ogf]  
A237415 10.4229 [  $x*(x^4+x^3+6*x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A237416 7.30918 [  $5*(2*x^8+4*x^7+6*x^6+8*x^5+x^4+8*x^3+6*x^2+4*x+2)/(x-1)^2/(x^4+x^3+x^2+x+1)^2$  ogf]  
A237420 15.5851 [  $2*x^2/(x-1)^2/(x+1)^2$  ogf]  
A237420 17.7497 [  $4*x/(-x^2+1)$  lgdogf]  
A237420 37.4707 [  $[2*x]$  ogf\_with\_Euler\_transform]  
A237420 5.60517 [  $\{(n+1)*a(n+3)+(-3-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A237456 3.83652 [  $-(18432*x^9+4096*x^8+31872*x^7+8704*x^6+19264*x^5+5264*x^4+4272*x^3+1144*x^2+308*x+81)/(1024*x^{10}+1600*x^8+832*x^6+136*x^4-1)$  ogf]  
A237465 4.30498 [  $-(14112*x^7+3136*x^6+33960*x^5+7585*x^4+6954*x^3+1566*x^2+356*x+81)/(784*x^8+1840*x^6+288*x^4-1)$  ogf]  
A237516 9.45499 [  $-(-x^4-24*x^3-108*x^2-92*x-15)/(-x^5-9*x^4-16*x^3+16*x^2+9*x+1)$  lgdogf]  
A237516 9.93739 [  $-(x^2+6*x+1)*(x^2+4*x+1)/(x-1)^5$  ogf]  
A237529 5.01994 [  $-3*(2*x^6-11*x^5+21*x^4-14*x^3+x^2+34*x+2)/(x-1)^9$  ogf]  
A237530 5.13864 [  $x*(x^7-x^6-2*x^5-15*x^4-13*x^3-16*x^2-10*x-4)/(x^2+x+1)/(x+1)^3/(x-1)^7$  ogf]  
A237550 4.23678 [  $-(400*x^8+8000*x^7+2784*x^6+12832*x^5+3576*x^4+4752*x^3+1240*x^2+312*x+81)/(400*x^8+608*x^6+192*x^4-1)$  ogf]  
A237560 4.00595 [  $-(1024*x^8+17600*x^7+4880*x^6+13968*x^5+3536*x^4+3720*x^3+932*x^2+316*x+81)/(864*x^8+632*x^6+140*x^4+4*x^2-1)$  ogf]  
A237616 12.6036 [  $x*(14*x+1)/(x-1)^4$  ogf]  
A237616 15.9969 [  $-(-42*x-18)/(-14*x^2+13*x+1)$  lgdogf]  
A237616 5.43686 [  $\{(-2-n)*a(n+3)+(5-13*n)*a(n+2)+(42+14*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 18\}$ , ogf]  
A237617 12.2404 [  $x*(16*x+1)/(x-1)^4$  ogf]  
A237617 15.5359 [  $-(-48*x-20)/(-16*x^2+15*x+1)$  lgdogf]  
A237617 5.28016 [  $\{(-2-n)*a(n+3)+(5-15*n)*a(n+2)+(48+16*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 20\}$ , ogf]  
A237618 11.9343 [  $x*(18*x+1)/(x-1)^4$  ogf]  
A237618 15.1474 [  $-(-54*x-22)/(-18*x^2+17*x+1)$  lgdogf]  
A237618 5.14814 [  $\{(-2-n)*a(n+3)+(5-17*n)*a(n+2)+(54+18*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 22\}$ , ogf]  
A237629 4.18616 [  $-(4392*x^{10}-1100*x^9-44610*x^8-20120*x^7+24794*x^6+14580*x^5+2643*x^4+532*x^3-986*x^2-636*x-81)/(2*x+1)/(2*x-1)/(5*x^2-1)/(5*x^2+1)$  ogf]  
A237630 4.96570 [  $-(400*x^8+800*x^7+1496*x^6+2576*x^5+1705*x^4+1786*x^3+702*x^2+260*x+81)/$



$(48x^6+36x^4-1)$  ogf]  
A237631 3.70239 [  
 $2*(5x^{11}-68x^{10}-324x^9-614x^8-1134x^7-1410x^6-713x^5-4x^4+788x^3+610x^2+318x+130)/(6x^8+12x^7-10x^4-3x^3+1)$  ogf]  
A237632 4.45549 [  
 $-2*(16x^{12}+24x^{11}+9x^{10}-48x^9-48x^8-116x^7-554x^6-990x^5-361x^4+744x^3+655x^2+610x+351)/(2x^2-1)/(2x^2+1)$  ogf]  
A237633 4.23126 [  
 $2*(x^{13}+6x^{12}+9x^{11}-14x^{10}-47x^9-44x^8-22x^7+732x^6+3670x^5+3057x^4-1006x^3-744x^2-1178x-893)/(5x^4-1)$  ogf]  
A237634 5.10329 [-  
 $(288x^{12}-528x^{10}-862x^8+48x^7-588x^6-12344x^5-13862x^4+2816x^3+2086x^2+4500x+4621)/(2x^2-1)/(2x^2+1)$  ogf]  
A237635 4.48973 [  
 $2*(49x^{13}-196x^{11}-147x^9-28x^8+722x^7+1258x^6+16801x^5+27012x^4-2220x^3-1450x^2-4297x-5968)/(5x^4-1)$  ogf]  
A237636 4.28188 [  
 $-2*(484x^{14}-1364x^{12}-975x^{10}+2354x^8+32x^7+908x^6-26904x^5-57434x^4+2988x^3+2066x^2+8224x+15328)/(2x^2-1)/(2x^2+1)$  ogf]  
A237654 15.0178 [ $-(5x^2-10x)/(x^3-2x^2-2x+1)$  lgdogf]  
A237654 22.3436 [ $1/(x^2-3x+1)/(x+1)^3$  ogf]  
A237654 4.67391 [ $\{(-n-4)a(n+4)+(2n+6)a(n+3)+(14+2n)a(n+2)+(-6-n)a(n+1), a(0) = 1, a(1) = 0, a(2) = 5, a(3) = 5\}$ , ogf]  
A237655 14.3083 [ $-(5x^2-20x+10)/(-x^3+2x^2+2x-1)$  lgdogf]  
A237655 4.67499 [ $\{(n+4)a(n+4)+(-16-2n)a(n+3)+(16-2n)a(n+2)+(-4+n)a(n+1), a(0) = 1, a(1) = 10, a(2) = 50, a(3) = 175\}$ , ogf]  
A237655 9.73554 [ $(x+1)^7/(x^2-3x+1)$  ogf]  
A237684 13.8678 [ $-(x^8-x^7+x^6+1)/(x-1)$  ogf]  
A237714 18.6962 [ $-(x+1)/(2x^5+x^2-1)$  ogf]  
A237714 9.44449 [ $-(8x^5+10x^4+x^2+2x+1)/(2x^6+2x^5+x^3+x^2-x-1)$  lgdogf]  
A237716 15.7273 [ $-(x+1)/(2x^7+x^2-1)$  ogf]  
A237718 13.9620 [ $-(x+1)/(2x^9+x^2-1)$  ogf]  
A237853 7.32197 [ $-(x^4+3x^3+7x^2+2x+4)/(x^5+2x^4+4x^3-2x^2+3x-1)$  ogf]  
A237930 10.9054 [ $-(-6x^2+18x-10)/(-6x^3+17x^2-14x+3)$  lgdogf]  
A237930 16.4792 [ $-(2x-3)/(3x-1)/(x-1)$  ogf]  
A237930 8.93451 [ $\{-a(n+2)+4a(n+1)-3a(n), a(0) = 3, a(1) = 10\}$ , ogf]  
A237938 4.12637 [ $- (456x^6-20x^5-1620x^4-178x^3+998x^2+211x-81)/(x-1)/(6x^3-8x^2-5x+1)/(4x^3+8x^2+2x-1)$  ogf]  
A237988 10.0692 [ $x*(x^7-x^5+x^3-2x^2-x-1)/(x^9+3x^6+3x^3-1)$  ogf]  
A237991 10.5321 [ $-(992x^2+3962x+992)/(992x^3-3x^2-988x-1)$  lgdogf]  
A237991 12.1524 [ $-(992x^2+989x+1)/(x-1)^3$  ogf]  
A237991 6.75132 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 992, a(2) = 3965\}$ , ogf]  
A237997 14.1581 [ $-1/(x+1)/(x^3+x-1)/(x^4+1)$  ogf]  
A237997 7.75973 [ $-(8x^7+7x^6+6x^5+3x^2+2x)/(x^8+x^7+x^6+x^3+x^2-1)$  lgdogf]  
A238039 4.51202 [ $-(6912x^7+1600x^6+9008x^5+2116x^4+3344x^3+792x^2+340x+81)/(6x^2+1)/(64x^6+68x^4+14x^2-1)$  ogf]  
A238055 10.9704 [ $-(-15x^2+36x-19)/(-15x^3+38x^2-29x+6)$  lgdogf]  
A238055 17.0651 [ $-(5x-6)/(3x-1)/(x-1)$  ogf]  
A238055 9.25218 [ $\{-a(n+2)+4a(n+1)-3a(n), a(0) = 6, a(1) = 19\}$ , ogf]  
A238084 6.49899 [[2] ogf\_with\_Euler\_transform]  
A238108 4.82824 [ $-(8x^6-26x^5+47x^4-34x^3+21x^2-7x+1)/(x-1)^7$  ogf]  
A238111 19.1043 [ $-(x^2-2x)/(2x+4)$  revogf]  
A238111 4.02196 [ $\{(n^2+n)a(n)+(-5n^2-11n-6)a(n+1)+(-5n^2-29n-42)a(n+2)+(n^2+7n+12)a(n+3), a(0) = 2, a(1) = 4, a(2) = 12\}$ , ogf]  
A238112 12.6809 [ $1/2*(x+3)/x/(x^2-6x+1)^{(1/2)}-3/2/x$  lgdogf]  
A238112 5.43466 [ $\{(7n^2-n-6)a(n)+(-42n^2-57n-21)a(n+1)+(7n^2+20n-3)a(n+2), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A238113 14.9961 [ $-5/4*x-3/4+3/4*(x^2+6x+1)^{(1/2)}$  revogf]  
A238113 4.28459 [ $\{(3n^2+3n)a(n)+(-17n^2-41n-24)a(n+1)+(-3n^2-21n-36)a(n+2)+(n^2+7n+12)a(n+3), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]

A238173 4.65035 [  $-(456x^5+234x^4-1083x^3+119x^2+387x-81)/(x-1)/(2x^2+3x-1)/(12x^3-3x^2-6x+1)$  ogf ]  
A238187 9.58998 [  $-(10x^3-20x^2+15x-4)/(2x-1)/(x-1)/(2x^2-2x+1)$  ogf ]  
A238188 5.83576 [  $x^2(x^8-x^6+2x^4-2x^2-1)(x^2+x+1)(x^3-x^2+1)/(x^{16}+4x^{12}+6x^8+4x^4-1)$  ogf ]  
A238236 10.9142 [  $-(x^2+x-1)/(x-1)/(x^3+3x^2+2x-1)$  ogf ]  
A238236 8.18562 [  $-(-2x^5-5x^4+4x^2-2)/(-x^6-3x^5+6x^3+x^2-4x+1)$  lgdogf ]  
A238275 11.1277 [  $-(7x^2+14x-9)/(7x^3-x^2-7x+1)$  lgdogf ]  
A238275 16.0734 [  $(x+1)/(7x-1)/(x-1)$  ogf ]  
A238275 8.82077 [  $\{-a(n+2)+8a(n+1)-7a(n), a(0) = 1, a(1) = 9\}$ , ogf ]  
A238276 10.4713 [  $-(8x^2+16x-10)/(8x^3-x^2-8x+1)$  lgdogf ]  
A238276 15.3579 [  $(x+1)/(8x-1)/(x-1)$  ogf ]  
A238276 8.32658 [  $\{-a(n+2)+9a(n+1)-8a(n), a(0) = 1, a(1) = 10\}$ , ogf ]  
A238290 12.6385 [  $-(-6x^2-15x-7)/(-3x^3-4x^2+3x+4)$  lgdogf ]  
A238290 14.4123 [  $2x(3x+4)/(x+1)/(x-1)^2$  ogf ]  
A238290 7.33485 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 14\}$ , ogf ]  
A238299 12.6384 [  $-1/(x^2-10x+1)^{(1/2)}/x(x-1)-1/x$  lgdogf ]  
A238299 3.85680 [  $\{(n^2+2n)a(n)+(-11n^2-40n-33)a(n+1)+(11n^2+70n+108)a(n+2)+(-n^2-8n-15)a(n+3), a(0) = 1, a(1) = 4, a(2) = 24\}$ , ogf ]  
A238300 11.9837 [  $-2(x-1)/(x^2-10x+1)^{(1/2)}/x-2/x$  lgdogf ]  
A238300 23.2296 [  $-2/(x^2-10x+1)^{(1/2)}/x(x-1)-2/x$  lgdogf ]  
A238300 3.63992 [  $\{(-n^2-4n)a(n)+(11n^2+62n+75)a(n+1)+(-11n^2-92n-180)a(n+2)+(n^2+10n+21)a(n+3), a(0) = 1, a(1) = 8, a(2) = 64\}$ , ogf ]  
A238315 6.96796 [  $-(2x^4-6x^3+8x^2-x-1)/(2x+1)/(2x-1)/(x-1)^3$  ogf ]  
A238328 5.42911 [  $-4(4x^6+15x^5+23x^4+28x^3+18x^2+7x+1)/(x^2+x+1)^2/(x-1)^5$  ogf ]  
A238340 8.69525 [  $(x+1)(2x^2+x+1)/(x^2+x+1)/(x-1)^4$  ogf ]  
A238361 9.23284 [  $x^3(x^2+x+1)/(x^2+x-1)/(x^3+x^2+x-1)$  ogf ]  
A238366 11.0806 [  $-(10x^3+10x^2-10x-2)/(5x^4-6x^2+1)$  lgdogf ]  
A238366 14.8438 [  $(x+1)/(x-1)/(5x^2-1)$  ogf ]  
A238366 7.02431 [  $\{a(n+3)-a(n+2)-5a(n+1)+5a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf ]  
A238374 8.04014 [  $-(-2x^7-2x^6-2x^5-4x^4+4x+2)/(-x^8-x^6+2x^4+x^2-1)$  lgdogf ]  
A238374 9.45899 [  $(x+1)(x^2+1)/(x-1)/(x^4+x^2-1)$  ogf ]  
A238375 11.9220 [  $(x+1)/(x-1)/(x^4+2x^2-1)$  ogf ]  
A238375 9.79310 [  $-(-4x^5-2x^4-4x^2+4x+2)/(-x^6-x^4+3x^2-1)$  lgdogf ]  
A238377 8.29999 [  $-(-4x^3-4x^2-8x-2)/(-2x^4+x^2+1)$  lgdogf ]  
A238377 9.90174 [  $-(2x^2+1)/(x+1)/(x-1)^3$  ogf ]  
A238379 12.8986 [  $-(x-1)/(x^2-36x+1)$  ogf ]  
A238379 7.06350 [  $\{a(n+2)-36a(n+1)+a(n), a(0) = 1, a(1) = 35\}$ , ogf ]  
A238379 8.85573 [  $-(-x^2+2x-35)/(-x^3+37x^2-37x+1)$  lgdogf ]  
A238383 9.34036 [  $(x+1)(x^4+1)/(x-1)/(x^6+x^2-1)$  ogf ]  
A238389 15.5897 [  $-(x+1)/(3x^3+x^2-1)$  ogf ]  
A238389 8.12653 [  $\{a(n+3)-a(n+1)-3a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$ , ogf ]  
A238389 9.43079 [  $-(6x^3+10x^2+2x+1)/(3x^4+4x^3+x^2-x-1)$  lgdogf ]  
A238391 10.5517 [  $-(-12x^5+15x^4+x^2+2x+1)/(3x^6+3x^5+x^3+x^2-x-1)$  lgdogf ]  
A238391 21.1035 [  $-(x+1)/(3x^5+x^2-1)$  ogf ]  
A238401 8.35202 [  $x^2(x^{29}-x^{28}+x^9-x^8+x^2-x+1)/(x-1)^2$  ogf ]  
A238410 13.9822 [  $-(2x^3+5x^2+8x+3)/(x^4+x^3-x-1)$  lgdogf ]  
A238410 15.4880 [  $-2x(x^2+x+1)/(x+1)/(x-1)^3$  ogf ]  
A238410 40.0924 [  $-x^2+x+3$  ogf\_with\_Euler\_transform ]  
A238411 10.0940 [  $-2x(x^2+x+2)/(x+1)^2/(x-1)^3$  ogf ]  
A238411 10.0940 [  $-(-3x^3-5x^2-13x-3)/(-x^4-x^3-x^2+x+2)$  lgdogf ]  
A238419 13.9506 [  $-(-6x^2+8x+4)/(-x^3+2x^2+2x-1)$  lgdogf ]  
A238419 16.5340 [  $x/(x+1)^2/(x^2-3x+1)^2$  ogf ]  
A238419 4.53217 [  $\{(-3-n)a(n+4)+(8+2n)a(n+3)+(10+2n)a(n+2)+(-6-n)a(n+1), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 16\}$ , ogf ]  
A238420 11.4523 [  $-(-16x^4+51x^3-66x^2+26x+9)/(-4x^5+15x^4-10x^3-10x^2+15x-4)$  lgdogf ]

A238420 16.0951 [  $x^*(4x^2-7x+4)/(x+1)^2/(x^2-3x+1)^2$  ogf]  
A238468 19.9082 [  $x^6-x^3+x-1$  ogf\_with\_Euler\_transform]  
A238468 7.74807 [  $-x^2*(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A238469 14.9994 [  $-1/24*x^4+1/720*x^6$ , egf\_with\_Euler\_transform]  
A238469 5.15527 [  $x*(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A238470 18.6199 [  $[x^6-x^2]$  ogf\_with\_Euler\_transform]  
A238470 5.82046 [  $x^2*(x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A238471 7.60493 [  $-(7*x^3+64*x^2+51*x+3)/(x-1)^5$  ogf]  
A238471 7.60493 [  $-(14*x^3+213*x^2+332*x+66)/(7*x^4+57*x^3-13*x^2-48*x-3)$  lgdogf]  
A238472 7.64315 [  $-(3*x^3+51*x^2+64*x+7)/(x-1)^5$  ogf]  
A238472 7.73000 [  $-(6*x^3+162*x^2+358*x+99)/(3*x^4+48*x^3+13*x^2-57*x-7)$  lgdogf]  
A238473 7.63380 [  $-(x^3+37*x^2+73*x+14)/(x-1)^5$  ogf]  
A238473 7.63380 [  $-(2*x^3+114*x^2+366*x+143)/(x^4+36*x^3+36*x^2-59*x-14)$  lgdogf]  
A238474 10.7985 [  $-(x^2+4*x+6)/(x^3+4*x^2+6*x+3)$  lgdegf]  
A238474 11.3296 [  $(x^2+3*x+3)/(x+1)^3$  egf]  
A238477 14.5047 [  $-(-27*x-37)/(-27*x^2+22*x+5)$  lgdogf]  
A238477 16.3966 [  $(27*x+5)/(x-1)^2$  ogf]  
A238477 9.08725 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 5, a(1) = 37\}$ , ogf]  
A238497 6.48150 [  $-(x^9-x^8+2*x^7-3*x^6+5*x^5-5*x^4-3*x^3-2*x^2-x-1)/(x^{10}-18*x^5+1)$  ogf]  
A238510 6.09836 [  $-(14*x^3-7*x^2-15*x+4)/(x^2+x-1)/(14*x^3-21*x^2-9*x+1)$  ogf]  
A238518 4.15888 [  $\{-a(n+3)+9*a(n+2)+21*a(n+1)-14*a(n), a(0) = 84, a(1) = 588, a(2) = 7056\}$ , ogf]  
A238518 5.80309 [  $-(-56*x^3+84*x^2-42*x-7)/(-28*x^4+56*x^3-3*x^2-11*x+1)$  lgdogf]  
A238518 8.60459 [  $-84*(2*x-1)/(14*x^3-21*x^2-9*x+1)$  ogf]  
A238531 10.7236 [  $-(x^2-x+1)^2/(x-1)^3$  ogf]  
A238531 12.9019 [  $-(x^2-3*x-1)/(-x^3+2*x^2-2*x+1)$  lgdogf]  
A238531 24.9045 [  $-2*x^5+2*x^2+2*x+1$  ogf\_with\_Euler\_transform]  
A238531 5.73416 [  $\{a(n+5)-3*a(n+4)+3*a(n+3)-a(n+2), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 5, a(4) = 8\}$ , ogf]  
A238536 11.3773 [  $(x^2+8*x+1)/(x^2+3*x+1)/(x^2-7*x+1)$  ogf]  
A238536 6.52798 [  $-(-2*x^5-20*x^4+60*x^3+160*x^2+40*x+12)/(x^6-4*x^5+50*x^4+160*x^3+50*x^2-4*x-1)$  lgdogf]  
A238537 9.11222 [  $(x^2+14*x+1)/(x^2-34*x+1)/(x^2+6*x+1)$  ogf]  
A238538 8.90882 [  $(16*x^2-12*x+1)/(x-1)/(2*x-1)/(8*x-1)/(16*x-1)$  ogf]  
A238539 9.25395 [  $(16*x^2+28*x+1)/(x-1)/(8*x+1)/(2*x+1)/(16*x-1)$  ogf]  
A238540 8.58827 [  $(81*x^2-42*x+1)/(x-1)/(81*x-1)/(3*x-1)/(27*x-1)$  ogf]  
A238541 6.77012 [  $(1296*x^2-84*x+1)/(81*x-1)/(24*x-1)/(16*x-1)/(54*x-1)$  ogf]  
A238549 14.1816 [  $(2*x^2+x+1)/(x-1)/(2*x^2-1)$  ogf]  
A238549 7.72389 [  $\{a(n+3)-a(n+2)-2*a(n+1)+2*a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A238549 9.40300 [  $-(4*x^4+4*x^3+6*x^2-8*x-2)/(4*x^5-2*x^4-2*x^3-x^2+1)$  lgdogf]  
A238600 5.88585 [  $(x^4+14*x^3-74*x^2+14*x+1)/(x^2+7*x+1)/(x^2-3*x+1)/(x^2-18*x+1)$  ogf]  
A238601 6.49066 [  $-(x^4-22*x^3-181*x^2+22*x+1)/(x^2+4*x-1)/(x^2-11*x-1)/(x^2+29*x-1)$  ogf]  
A238602 5.18941 [  $(x^4+68*x^3-698*x^2+68*x+1)/(x^2-6*x+1)/(x^2+34*x+1)/(x^2-198*x+1)$  ogf]  
A238603 4.97013 [  $(4096*x^4-4352*x^3+1160*x^2-68*x+1)/(x-1)/(4*x-1)/(64*x-1)/(2*x-1)/(16*x-1)/(32*x-1)$  ogf]  
A238604 4.56826 [  $-x*(x^8+2*x^7+2*x^6+2*x^5+10*x^4+2*x^3+2*x^2+2*x+1)/(x+1)^2/(x^2+1)^2/(x-1)^5$  ogf]  
A238630 5.34727 [  $\{-a(n+4)+13*a(n+3)-39*a(n+2)+27*a(n+1), a(0) = 1, a(1) = 3, a(2) = 12, a(3) = 75\}$ , ogf]  
A238630 9.89968 [  $-(9*x^3+12*x^2-10*x+1)/(x-1)/(3*x-1)/(9*x-1)$  ogf]  
A238631 6.50290 [  $-(2048*x^4+1460*x^3-1067*x^2+80*x-1)/(x-1)/(4*x-1)/(64*x-1)/(16*x-1)$  ogf]  
A238632 4.12462 [  $-(1953125*x^5+4828125*x^4-2015125*x^3+96440*x^2-774*x+1)/(x-1)/(125*x-1)/(25*x-1)/(625*x-1)/(5*x-1)$  ogf]  
A238644 12.5938 [  $-x^4*(x^2-x+1)*(x+1)/(x^6+x^3-x^2+2*x-1)$  ogf]  
A238649 10.3543 [  $-3*(x^3-4*x-1)/(x^4-5*x^2-2*x+1)$  ogf]

A238702 8.10823 [  $-(x+1)*(2*x^2+x+1)/(x^2+x+1)/(x-1)^5$  ogf]  
A238705 9.66087 [  $-(x+1)*(2*x^2+x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A238706 7.18189 [  $x*(x-2)*(x+1)*(2*x^2+x+1)/(x^2+x+1)/(x-1)^5$  ogf]  
A238720 13.0117 [  $-2*(2*x^3-2*x-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A238721 5.25913 [  $-2*(76*x^7+4*x^6-101*x^5-20*x^4+42*x^3+14*x^2-5*x-2)/(152*x^8-210*x^6+96*x^4-17*x^2+1)$  ogf]  
A238738 10.5127 [  $-(2*x^2+2*x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A238738 8.17658 [  $(-(-10*x^4-14*x^3-11*x^2-7*x-3)/(-2*x^5-2*x^4-x^3+2*x^2+2*x+1))$  lgdogf]  
A238755 15.2278 [  $-4/x+4/x/(x^2-6*x+1)^{(1/2)}$  lgdogf]  
A238755 4.47369 [  $\{(n^2+7*n+12)*a(n+1)+(-6*n^2-51*n-108)*a(n+2)+(n^2+10*n+9)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A238768 11.2059 [  $-(2*x^2+3*x+3)/(2*x^3+2*x^2+x-1)$  ogf]  
A238768 6.04922 [  $\{a(n+3)-a(n+2)-2*a(n+1)-2*a(n), a(0) = 3, a(1) = 6, a(2) = 14\}$ , ogf]  
A238768 7.04703 [  $(-(-4*x^4-12*x^3-22*x^2-16*x-6)/(-4*x^5-10*x^4-14*x^3-7*x^2+3))$  lgdogf]  
A238804 7.14866 [  $-x*(2*x^{22}-x^{21}-x^{19}+x^{18}-x^{17}+x^7-x^6+3*x^5+3*x^4-2*x^3-2*x^2-x-2)/(x-1)^2$  ogf]  
A238806 10.3324 [  $(x^3+x^2-4*x+3)/(x-1)^4$  ogf]  
A238806 10.8985 [  $-(x^3+5*x^2-10*x+8)/(x^4-5*x^2+7*x-3)$  lgdogf]  
A238806 4.05914 [  $\{(-451*n^2-2627*n-3450)*a(n+1)+(828*n^2+3264*n+480)*a(n+2)+(-377*n^2-859*n+816)*a(n+3), a(0) = 3, a(1) = 8, a(2) = 15\}$ , ogf]  
A238807 4.82555 [  $-(6*x^8-16*x^7+27*x^6-41*x^5+51*x^4-43*x^3+27*x^2-13*x+4)/(x-1)^7$  ogf]  
A238823 7.25732 [  $-(x-1)*(3*x^5+2*x^4-4*x^2-x+2)/(x^7-3*x^6-x^5-x^4+4*x^3-3*x+1)$  ogf]  
A238824 5.66661 [  $-x*(x^6-x^5-x^4-2*x^3+2*x^2+x-1)/(x+1)/(x^7-3*x^6-x^5-x^4+4*x^3-3*x+1)$  ogf]  
A238825 7.03443 [  $x^3*(x-1)*(x^3+x^2-1)/(x^7-3*x^6-x^5-x^4+4*x^3-3*x+1)$  ogf]  
A238826 7.56739 [  $-(x+1)*(x^3+x^2-1)*(x-1)^2/(x^7-3*x^6-x^5-x^4+4*x^3-3*x+1)$  ogf]  
A238827 8.34310 [  $-x^6*(x^3+x^2-1)/(x+1)/(x^7-3*x^6-x^5-x^4+4*x^3-3*x+1)$  ogf]  
A238828 6.93148 [  $x^2*(2*x^5-2*x^2+1)/(x+1)/(x^7-3*x^6-x^5-x^4+4*x^3-3*x+1)$  ogf]  
A238829 7.37662 [  $-(x-1)*(2*x^5+x^4+x^3-2*x^2-x+1)/(x^7-3*x^6-x^5-x^4+4*x^3-3*x+1)$  ogf]  
A238830 5.76699 [  $x^3*(x^5-x^2+x+1)/(x^7-3*x^6-x^5-x^4+4*x^3-3*x+1)/(x+1)^2$  ogf]  
A238831 7.33739 [  $-x^5*(2*x+1)*(x-1)*(x^2+x+1)/(x^7-3*x^6-x^5-x^4+4*x^3-3*x+1)/(x+1)^2$  ogf]  
A238832 7.24787 [  $x^2*(2*x^5+2*x^4+x^3-2*x^2+1)/(x^7-3*x^6-x^5-x^4+4*x^3-3*x+1)/(x+1)^2$  ogf]  
A238833 5.92060 [  $-x*(x^8+2*x^7+x^6-2*x^5-2*x^4-x^3+3*x^2+x-1)/(x^7-3*x^6-x^5-x^4+4*x^3-3*x+1)/(x+1)^2$  ogf]  
A238846 12.2777 [  $(-(-6*x^2+10*x-4)/(-2*x^3+7*x^2-5*x+1))$  lgdogf]  
A238846 12.8718 [  $-(2*x-1)/(x^2-3*x+1)^2$  ogf]  
A238846 3.99025 [  $\{(-n-4)*a(n+4)+(19+5*n)*a(n+3)+(-24-7*n)*a(n+2)+(8+2*n)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 13, a(3) = 40\}$ , ogf]  
A238906 11.9559 [  $-3*(x-1)/(3*x^3-6*x^2-4*x+1)$  ogf]  
A238906 5.60764 [  $\{-a(n+3)+4*a(n+2)+6*a(n+1)-3*a(n), a(0) = 3, a(1) = 9, a(2) = 54\}$ , ogf]  
A238906 7.72760 [  $(-(-6*x^3+15*x^2-12*x-3)/(-3*x^4+9*x^3-2*x^2-5*x+1))$  lgdogf]  
A238908 4.36421 [  $-54*(9*x^4-39*x^3-6*x^2+13*x-1)/(9*x^3+12*x^2-6*x-1)/(9*x^3-60*x^2+28*x-1)$  ogf]  
A238913 9.44362 [  $x^3*(x+1)/(x^2+x-1)/(x^4+x^3+x^2+x-1)$  ogf]  
A238914 5.90339 [  $x^4*(x^3-x-2)/(x+1)/(x^6-x^5+x^4-3*x^3+3*x^2-3*x+1)/(x^4+x^3+x^2+x-1)$  ogf]  
A238923 13.5218 [  $(-(-6*x-3)/(-3*x^2-3*x+1))$  lgdogf]  
A238923 19.0896 [  $-12/(3*x^2+3*x-1)$  ogf]  
A238923 7.72674 [  $\{-a(n+2)+3*a(n+1)+3*a(n), a(0) = 12, a(1) = 36\}$ , ogf]  
A238976 10.3863 [  $(-(-162*x^3+36*x^2+78*x-16)/(-81*x^4+90*x^3-10*x+1))$  lgdogf]  
A238976 13.8484 [  $-x*(3*x+1)/(x-1)/(3*x-1)/(9*x-1)$  ogf]

A238976 7.22526 [ {a(n+3)-13\*a(n+2)+39\*a(n+1)-27\*a(n), a(0) = 0, a(1) = 1, a(2) = 16}, ogf]  
A238984 7.75192 [ 2\*(8\*x^8+16\*x^7+7\*x^6-92\*x^5-31\*x^4-24\*x^3-16\*x^2-4\*x-1)/(x-1)/(x+1)/(x^2+1) ogf]  
A238991 3.75986 [ -(16\*x^8+52\*x^7-80\*x^6-53\*x^5+85\*x^4+32\*x^3-50\*x^2-x+7)/(2\*x-1)/(x-1)/(8\*x^7+38\*x^6+19\*x^5-29\*x^4-18\*x^3+12\*x^2+3\*x-1) ogf]  
A239019 13.3343 [ (90\*x^19-100\*x^18+99\*x^10+x^9+11)/(x-1)^2 ogf]  
A239024 11.6192 [ -(4\*x^3+x^2-3\*x-1)/(x-1)/(2\*x+1)/(2\*x-1)/(x+1) ogf]  
A239025 5.24220 [ -(104\*x^7+28\*x^6-120\*x^5-31\*x^4+40\*x^3+10\*x^2-4\*x-1)/(152\*x^8-210\*x^6+96\*x^4-17\*x^2+1) ogf]  
A239031 7.57854 [ -(-5\*x^4+2\*x^3-6\*x^2+10\*x-11)/(-5\*x^5+16\*x^4-24\*x^3+22\*x^2-13\*x+4) lgdogf]  
A239031 7.96919 [ -(5\*x^4-11\*x^3+13\*x^2-9\*x+4)/(x-1)^5 ogf]  
A239032 5.42709 [ -(4\*x^7-3\*x^6-6\*x^5+25\*x^4-33\*x^3+26\*x^2-12\*x+4)/(x-1)^7 ogf]  
A239035 26.0918 [ 9/(-x+1) lgdogf]  
A239035 55.4009 [[9] ogf\_with\_Euler\_transform]  
A239035 6.82775 [ {(n+1)\*a(n+2)+(-9-n)\*a(n+1), a(0) = 0, a(1) = 40320}, ogf]  
A239035 6.95780 [ -40320\*x/(x-1)^9 ogf]  
A239040 13.4057 [ -(2\*x^2+x+3)/(2\*x^3+2\*x-1) ogf]  
A239040 7.47895 [ {-a(n+3)+2\*a(n+2)+2\*a(n), a(0) = 3, a(1) = 7, a(2) = 16}, ogf]  
A239040 7.89444 [ -(-4\*x^4-4\*x^3-14\*x^2-4\*x-7)/(-4\*x^5-2\*x^4-10\*x^3-5\*x+3) lgdogf]  
A239052 31.4519 [-4/(-x-1) ogf\_with\_Euler\_transform]  
A239053 13.2094 [ -(4\*x^2+2\*x+2)/(-x^3-x^2-x-1) ogf\_with\_Euler\_transform]  
A239056 5.87814 [ 4\*(2\*x^6+10\*x^5+16\*x^4+22\*x^3+15\*x^2+6\*x+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A239057 5.83585 [ (2\*x^2+x+3)\*(5\*x^4+19\*x^3+16\*x^2+7\*x+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A239059 6.12936 [ -(x^2+x+2)\*(2\*x^4-3\*x^3-4\*x^2-2\*x-1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A239065 4.94109 [ (x^6+144\*x^5+1215\*x^4+2320\*x^3+1215\*x^2+144\*x+1)/(x-1)^8 ogf]  
A239075 14.7777 [ -(x-1)/(x^6-x^5+x^4-3\*x^3+3\*x^2-3\*x+1)/(x+1) ogf]  
A239075 7.25202 [ -(-6\*x^7+7\*x^6+6\*x^4-8\*x^3-1)/(-x^8+x^7+2\*x^5-2\*x^4+2\*x^2-3\*x+1) lgdogf]  
A239086 5.72235 [ (x^12-2\*x^11+2\*x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A239090 5.60070 [ (80\*x^10-8\*x^9-9\*x^8-9\*x^7-9\*x^6-9\*x^5-9\*x^4-9\*x^3-9\*x^2-9\*x+1)/(10\*x-1)/(x-1) ogf]  
A239094 5.91573 [ x^2\*(x^6+120\*x^5+1191\*x^4+2416\*x^3+1191\*x^2+120\*x+1)/(x-1)^10 ogf]  
A239095 21.8529 [ -(-6\*x^2-9\*x-9)/(-x^3+1) lgdogf]  
A239095 45.1520 [[-x^2+9] ogf\_with\_Euler\_transform]  
A239095 6.14243 [ {(-5\*n^2-16\*n+16)\*a(n+1)+(-3\*n^2-90\*n-114)\*a(n+2)+(8\*n^2+15\*n)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 8}, ogf]  
A239095 9.96798 [ 8\*x^3\*(x^2+x+1)/(x-1)^8 ogf]  
A239096 10.1874 [ -(-12\*x^4-57\*x^3-165\*x^2-99\*x-27)/(-2\*x^5-5\*x^4-11\*x^3+11\*x^2+5\*x+2) lgdogf]  
A239096 6.54006 [ 8\*x^3\*(2\*x^4+7\*x^3+18\*x^2+7\*x+2)/(x-1)^10 ogf]  
A239100 4.47989 [ x\*(2\*x^16-x^15-x^14+x^13+x^12-x^11+2\*x^10-x^9+x^7+x^5+x^4+x^2+1)/(x-1)/(2\*x^3-1)/(x^6+x^3+1) ogf]  
A239123 13.1964 [ -(-107\*x-149)/(-107\*x^2+86\*x+21) lgdogf]  
A239123 15.3958 [ (107\*x+21)/(x-1)^2 ogf]  
A239123 8.69412 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 21, a(1) = 149}, ogf]  
A239124 11.9232 [ -(11\*x+117)/(11\*x^2+42\*x-53) lgdogf]  
A239124 13.6990 [ (11\*x+53)/(x-1)^2 ogf]  
A239124 7.57474 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 53, a(1) = 117}, ogf]  
A239125 5.83714 [ -(512\*x^10-512\*x^9+32\*x^6-16\*x^5+4\*x^3-2\*x^2+2\*x-1)/(2\*x-1)/(2\*x+1)/(x-1)/(4\*x^2-2\*x+1)/(64\*x^6-8\*x^3+1) ogf]  
A239128 14.9392 [ -(x+63)/(x^2+30\*x-31) lgdogf]  
A239128 16.5630 [ (x+31)/(x-1)^2 ogf]  
A239128 9.07023 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 31, a(1) = 63}, ogf]  
A239129 14.8042 [ -(x+35)/(x^2+16\*x-17) lgdogf]

A239129 16.4133 [ (x+17)/(x-1)^2 ogf]  
A239129 8.98825 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 17, a(1) = 35}, ogf]  
A239138 6.70939 [ (80\*x^9-9\*x^8-9\*x^7-9\*x^6-9\*x^5-9\*x^4-9\*x^3-9\*x^2-9\*x+1)/(10\*x-1)/(x-1) ogf]  
A239140 8.38184 [ -(x^6+x^5+x^4+2\*x^3+3\*x^2+2\*x+1)/(x-1)/(x^2+x+1)/(x+1) ogf]  
A239141 10.6782 [ -(x^5+x^4+x^3+2\*x^2+x+1)/(x-1)/(x^2+x+1) ogf]  
A239150 7.37892 [ -(8\*x^3-4\*x^2-3\*x+1)/(14\*x^3-9\*x^2-3\*x+1)/(x^2+x-1) ogf]  
A239156 4.71071 [ -(45\*x^4-105\*x^3+43\*x-7)/(3\*x+1)/(x+1)/(x^2-3\*x+1)/(9\*x^2-15\*x+1) ogf]  
A239171 13.6433 [ -(-4\*x-2)/(-2\*x^2-2\*x+1) lgdogf]  
A239171 19.8448 [ -6/(2\*x^2+2\*x-1) ogf]  
A239171 7.89010 [ {-a(n+2)+2\*a(n+1)+2\*a(n), a(0) = 6, a(1) = 12}, ogf]  
A239179 6.91156 [ -2\*(x^4-3\*x^3+x+3)/(x^6-4\*x^5+3\*x^4+3\*x^3-x^2+4\*x-1) ogf]  
A239186 5.73117 [ (10\*x^6+39\*x^5+61\*x^4+76\*x^3+49\*x^2+19\*x+2)/(x^2+x+1)^2/(x-1)^4 ogf]  
A239188 3.68705 [ -4\*(156\*x^6-86\*x^5-68\*x^4+54\*x^3+11\*x^2-12\*x-3)/(624\*x^7-416\*x^6-240\*x^5+253\*x^4+26\*x^3-50\*x^2-6\*x+1) ogf]  
A239195 6.50748 [ (4\*x^5+5\*x^4+11\*x^3+8\*x^2+3\*x+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A239201 4.86633 [ {(-5\*n-10)\*a(n+1)+(11\*n+30)\*a(n+2)+(-7\*n-24)\*a(n+3)+(n+4)\*a(n+4), a(0) = 2, a(1) = 5, a(2) = 17, a(3) = 68}, ogf]  
A239204 10.3863 [ 4\*x/(1+4\*x)^(1/2)/(1+(1+4\*x)^(1/2))^2 revogf]  
A239226 3.03489 [ {(-512\*n^3-3072\*n^2-6016\*n-3840)\*a(n+1)+(48\*n^3+360\*n^2+904\*n+760)\*a(n+2)+(-n^3-9\*n^2-27\*n-27)\*a(n+3), a(0) = 1, a(1) = 8, a(2) = 120}, ogf]  
A239229 13.8519 [ -2\*(2\*x-1)/(x-1)^2 ogf]  
A239229 15.5834 [ -2\*x/(2\*x^2-3\*x+1) lgdogf]  
A239229 7.69551 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 2, a(1) = 0}, ogf]  
A239249 12.6933 [ -(2\*x^2+x+4)/(2\*x^3+3\*x-1) ogf]  
A239249 6.72746 [ -(-4\*x^4-4\*x^3-18\*x^2-4\*x-13)/(-4\*x^5-2\*x^4-14\*x^3-x^2-11\*x+4) lgdogf]  
A239249 7.00777 [ {a(n+3)-3\*a(n+2)-2\*a(n), a(0) = 4, a(1) = 13, a(2) = 41}, ogf]  
A239265 10.6039 [ -(x^2+8\*x-1)/(3\*x^3+21\*x^2-13\*x+1) ogf]  
A239265 5.80911 [ {a(n+3)-13\*a(n+2)+21\*a(n+1)+3\*a(n), a(0) = 1, a(1) = 5, a(2) = 43}, ogf]  
A239265 6.30234 [ -(-3\*x^4-48\*x^3-172\*x^2+44\*x-5)/(-3\*x^5-45\*x^4-152\*x^3+124\*x^2-21\*x+1) lgdogf]  
A239266 7.30340 [ -(x-1)\*(x^3-x^2+5\*x-1)/(5\*x^6-11\*x^5+30\*x^4-30\*x^3-2\*x^2+7\*x-1) ogf]  
A239284 13.4808 [ -(-30\*x-14)/(-15\*x^2-14\*x+1) lgdogf]  
A239284 17.9744 [ -x/(x+1)/(15\*x-1) ogf]  
A239284 8.44580 [ {-a(n+2)+14\*a(n+1)+15\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A239285 13.4808 [ -(-60\*x-13)/(-30\*x^2-13\*x+1) lgdogf]  
A239285 17.9744 [ -x/(2\*x+1)/(15\*x-1) ogf]  
A239285 8.44580 [ {-a(n+2)+13\*a(n+1)+30\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A239286 9.44690 [ (x+1)\*(3\*x^2+2\*x+1)/(x^2+x+1)^2 ogf]  
A239288 7.58213 [ -x\*(x^2+x+1)\*(x^5-2\*x^4+2\*x^3-x^2-1)/(x-1)/(3\*x^3-1) ogf]  
A239294 11.8910 [ -(-90\*x-12)/(-45\*x^2-12\*x+1) lgdogf]  
A239294 15.8547 [ -x/(3\*x+1)/(15\*x-1) ogf]  
A239294 7.44978 [ {-a(n+2)+12\*a(n+1)+45\*a(n), a(0) = 0, a(1) = 1}, ogf]  
A239301 12.6970 [ -5/(5\*x-1)-1/(5\*x-1)^(6/5)\*(-1)^(1/5) lgdegf]  
A239301 18.9046 -5/(5\*x-1)-1/(5\*x-1)^(6/5)\*(-1)^(1/5) lgdegf  
A239305 7.23723 [ (x-1)\*(4\*x^3-x^2-2\*x+1)/(2\*x-1)/(x^2+x-1)^2 ogf]  
A239310 4.64830 [ -(x^11+x^9-6\*x^8+7\*x^7-6\*x^6+x^5+3\*x^3-9\*x^2+9\*x-6)/(x^2+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2 ogf]  
A239325 11.9798 [ -(-x^2+22\*x+15)/(-x^3+13\*x^2-11\*x-1) lgdogf]  
A239325 13.1391 [ (x^2-12\*x-1)/(x-1)^3 ogf]  
A239325 7.14583 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1, a(1) = 15, a(2) = 41}, ogf]  
A239333 13.2151 [ -(2\*x^2+x+2)/(2\*x^3+2\*x-1) ogf]  
A239333 7.37261 [ {-a(n+3)+2\*a(n+2)+2\*a(n), a(0) = 2, a(1) = 5, a(2) = 12}, ogf]  
A239333 7.95907 [ -(-4\*x^4-4\*x^3-8\*x^2-4\*x-5)/(-4\*x^5-2\*x^4-8\*x^3-3\*x+2) lgdogf]  
A239341 12.2382 [ (4\*x^6-9\*x^5-9\*x^4-2\*x^3-7\*x^2-6\*x-7)/(x-1)/(x+1)/(x^2+x+1)/

$(x^2-x+1)$  ogf]  
A239342 11.0124 [  $x^*(x-1)^2*(x+1)^2/(x^2+x-1)^2$  ogf]  
A239342 11.8222 [  $-(2*x^2+2)/(-x^4-x^3+2*x^2+x-1)$  lgdogf]  
A239352 11.9898 [  $-(-6*x^2+24*x+12)/(-2*x^3+9*x^2-6*x-1)$  lgdogf]  
A239352 4.25446 [  $\{(-34*n^2-98*n-60)*a(n+1)+(179*n^2+749*n+744)*a(n+2)+(-145*n^2-207*n-62)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A239352 9.09574 [  $x^2*(2*x^2-7*x-1)/(x-1)^5$  ogf]  
A239358 6.24891 [  $(x^{11}+6*x^9-7*x^8-x^7+22*x^6-20*x^5+4*x^3+4*x^2-8*x+6)/(x-1)^4$  ogf]  
A239359 4.06723 [  $(x^{16}-3*x^{15}+9*x^{14}-10*x^{13}-10*x^{12}+10*x^{11}-4*x^{10}+7*x^9+2*x^8+12*x^7+12*x^6-33*x^5+13*x^4+7*x^3+5*x^2-9*x+7)/(x-1)^4$  ogf]  
A239364 14.2759 [  $-2*(x-19)/(x^2-38*x+1)$  ogf]  
A239364 7.71226 [  $\{a(n+2)-38*a(n+1)+a(n), a(0) = 38, a(1) = 1442\}$ , ogf]  
A239364 9.45024 [  $-(-x^2+38*x-721)/(-x^3+57*x^2-723*x+19)$  lgdogf]  
A239365 12.9757 [  $-(2*x-38)/(x^2-38*x+1)$  lgdogf]  
A239365 18.5367 [  $12/(x^2-38*x+1)$  ogf]  
A239365 7.54402 [  $\{-a(n+2)+38*a(n+1)-a(n), a(0) = 12, a(1) = 456\}$ , ogf]  
A239367 7.06648 [  $-(56*x^3+45*x^2-34*x+5)/(28*x^4-27*x^3-7*x^2+7*x-1)$  lgdogf]  
A239367 8.45987 [  $-(7*x^2+2*x-1)/(4*x-1)/(x-1)^3$  ogf]  
A239374 11.4027 [  $-(-194*x^95-194*x^94+2*x+1)/(194*x^94+2*x^2-x-1)$  lgdogf]  
A239374 13.5826 [  $2*(x+1)*(2*x^95-1)/(2*x^95+x^2-1)$  ogf]  
A239374 70.8907 [ [1] ogf\_with\_Euler\_transform]  
A239406 4.65963 [  $-(8*x^6+42*x^5+30*x^4-23*x^3-24*x^2+8*x+5)/(8*x^7+38*x^6+19*x^5-29*x^4-18*x^3+12*x^2+3*x-1)$  ogf]  
A239426 7.02515 [  $-(91*x^4+936*x^3+1242*x^2+248*x+3)/(91*x^5+195*x^4-158*x^3-130*x^2+3*x-1)$  lgdogf]  
A239426 7.79792 [  $-(91*x^4+286*x^3+128*x^2-2*x+1)/(x-1)^5$  ogf]  
A239438 4.97450 [  $(x^9-2*x^8+2*x^7-3*x^6+3*x^5-2*x^4+2*x^3-2*x^2+x-1)/(x^2+x+1)/(x-1)^3$  ogf]  
A239449 11.9798 [  $-(-13*x^2-26*x-3)/(-13*x^3+13*x^2-x+1)$  lgdogf]  
A239449 14.0453 [  $-(13*x^2+1)/(x-1)^3$  ogf]  
A239449 7.20907 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 19\}$ , ogf]  
A239450 10.5968 [  $x*(x+1)*(x-3)/(x-1)/(x^2-14*x+1)$  ogf]  
A239450 5.22050 [  $\{-a(n+4)+15*a(n+3)-15*a(n+2)+a(n+1), a(0) = 0, a(1) = 3, a(2) = 47, a(3) = 659\}$ , ogf]  
A239450 6.96067 [  $-(x^4-4*x^3+6*x^2+92*x-47)/(x^5-17*x^4+42*x^3+14*x^2-43*x+3)$  lgdogf]  
A239459 6.20980 [ -  $(65610*x^{12}-216360*x^{11}+240210*x^{10}-90000*x^9-11*x^2-38*x-11)/(x-1)^4$  ogf]  
A239461 4.42353 [ -  $(656100*x^{12}-2163600*x^{11}+2402100*x^{10}-900000*x^9+2430*x^6-9000*x^5+11790*x^4-5760*x^3-9*x^2-40*x-11)/(x-1)^4$  ogf]  
A239462 8.37385 [  $-(7290*x^{11}-16110*x^{10}+9000*x^9+x^2+8*x+11)/(x-1)^3$  ogf]  
A239488 14.5014 [  $-x/(-x^2-5*x-6)$  revogf]  
A239488 3.74229 [  $\{(n+2)*a(n+1)+(-10*n-35)*a(n+2)+(n+5)*a(n+3), a(0) = 6, a(1) = 30, a(2) = 186\}$ , ogf]  
A239492 12.5801 [  $x^2*(x+1)*(2*x^2-x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A239530 12.7481 [  $-(x-1)/(3*x-1)/(x^2-x-1)$  ogf]  
A239530 6.03256 [  $\{-a(n+3)+2*a(n+2)+4*a(n+1)-3*a(n), a(0) = 1, a(1) = 1, a(2) = 6\}$ , ogf]  
A239530 8.34132 [  $-(-6*x^3+13*x^2-8*x-1)/(-3*x^4+7*x^3-2*x^2-3*x+1)$  lgdogf]  
A239531 3.70060 [  $-2*(x^8-x^7-x^6+7*x^5+3*x^4-2*x^3-3*x^2-x+1)/(5*x^{10}-5*x^9-9*x^8+40*x^7+11*x^6-28*x^5-23*x^4-x^3+13*x^2+2*x-1)$  ogf]  
A239532 5.13323 [  $-6*(9*x^4-21*x^3-2*x^2+7*x-1)/(9*x-1)/(x+1)/(x^2-3*x+1)/(9*x^2-3*x-1)$  ogf]  
A239549 13.0914 [  $-(-24*x-8)/(-12*x^2-8*x+1)$  lgdogf]  
A239549 17.2256 [  $-x/(12*x^2+8*x-1)$  ogf]  
A239549 7.98259 [  $\{-a(n+2)+8*a(n+1)+12*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A239561 3.87224 [ -  $(4*x^{13}+4*x^{12}-5*x^{11}-11*x^{10}-3*x^9+12*x^8+16*x^7-2*x^6-13*x^5-7*x^4+3*x^3+5*x^2$

$(4x^{13}+4x^{12}-5x^{11}-11x^{10}-3x^9+12x^8+16x^7-2x^6-13x^5-7x^4+3x^3+5x^2-1)/(2x-1)/(x-1)/(x^2+x+1)^2/(2x^2-1)^2$  ogf]  
A239568 11.0666 [  $3*(x-2)*x/(x-1)^5$  ogf]  
A239568 17.2916 [  $-(-4x+9)/(-x^2+3x-2)$  lgdogf]  
A239568 5.49668 [  $\{(-4-2^n)*a(n+3)+(12+3^n)*a(n+2)+(-4-n)*a(n+1), a(0) = 0, a(1) = 6, a(2) = 27\}$ , ogf]  
A239569 6.55957 [  $-x*(11x^4-36x^3+25x^2+14x+1)/(x-1)^7$  ogf]  
A239569 7.34915 [  $-(33x^4-100x^3+17x^2+134x+21)/(11x^5-47x^4+61x^3-11x^2-13x-1)$  lgdogf]  
A239570 4.82510 [  $x*(38x^6-156x^5+153x^4+113x^3-147x^2-105x-1)/(x-1)^9$  ogf]  
A239571 3.42175 [  $-3x^2*(40x^8-185x^7+198x^6+213x^5-243x^4-638x^3+687x^2+234x+9)/(x-1)^{11}$  ogf]  
A239573 4.62786 [  $-x*(2x^9+x^8-8x^7-9x^6+3x^5+29x^4+24x^3+14x^2+3x+1)/(x^2+x+1)/(x+1)^3/(x-1)^7$  ogf]  
A239576 4.57408 [  $-x*(x^{13}-x^{12}-19x^{11}+32x^{10}+68x^9-69x^8-302x^7+634x^6+1945x^5+2547x^4+1393x^3+438x^2+50x+3)/(x+1)^5/(x-1)^9$  ogf]  
A239577 15.1282 [  $1/(3x-1)/(x-1)/(3x^2+1)$  ogf]  
A239577 9.00487 [  $-(36x^3-36x^2+12x-4)/(9x^4-12x^3+6x^2-4x+1)$  lgdogf]  
A239592 8.12027 [  $-(-4x^4-18x^3-27x^2-8x-3)/(-4x^5+3x^4-7x^3+10x^2-3x+1)$  lgdogf]  
A239592 8.46218 [  $-(4x^4+x^3+8x^2-2x+1)/(x-1)^5$  ogf]  
A239594 11.5800 [  $(x^5-x^4-x^3-3x-4)/(x^5+x^2-1)$  ogf]  
A239607 7.56627 [  $-(x^4+92x^3+294x^2+92x+1)/(x^5+43x^4+10x^3-58x^2+5x-1)$  lgdogf]  
A239607 8.03429 [  $-(x^4+44x^3+54x^2-4x+1)/(x-1)^5$  ogf]  
A239608 5.66396 [  $-x*(x+1)*(x^4+668x^3+4422x^2+668x+1)/(x-1)^7$  ogf]  
A239609 3.69964 [  $-(x^8+9400x^7+248284x^6+1032520x^5+1032646x^4+248200x^3+9436x^2-8x+1)/(x-1)^9$  ogf]  
A239628 8.00651 [  $-(32x^8+16x^7+8x^6+12x^5+4x^4+6x^3+2x^2+9x+1)/(2x^2-1)/(2x^2+1)/(2x^2+2x+1)/(2x^2-2x+1)$  ogf]  
A239632 10.7506 [  $-x*(x+1)*(2x^2-2x-1)/(2x^2-1)^2$  ogf]  
A239632 6.12882 [  $\{(-2^n-6)*a(n)+(n+1)*a(n+2), a(0) = 0, a(1) = 1, a(2) = 3\}$ , ogf]  
A239632 8.09610 [  $-(-4x^4+12x^2+8x+3)/(-4x^5+8x^3+2x^2-3x-1)$  lgdogf]  
A239650 4.63656 [  $-2*(4x^6+19x^5+8x^4-13x^3-8x^2+4x+2)/(8x^7+38x^6+19x^5-29x^4-18x^3+12x^2+3x-1)$  ogf]  
A239667 6.41764 [  $-(9x^6+32x^5+50x^4+58x^3+36x^2+14x+1)/(x^2+x+1)^2/(x-1)^5$  ogf]  
A239670 11.4964 [  $-(162x-82)/(81x^2-82x+1)$  lgdogf]  
A239670 17.4089 [  $1/(81x-1)/(x-1)$  ogf]  
A239670 7.16836 [  $\{-a(n+2)+82a(n+1)-81a(n), a(0) = 1, a(1) = 82\}$ , ogf]  
A239678 11.1813 [  $(4x^4+3x^3-4x^2-5x+3)/(2x-1)/(x-1)$  ogf]  
A239678 6.12310 [  $\{-a(n+5)+3a(n+4)-2a(n+3), a(0) = 3, a(1) = 4, a(2) = 2, a(3) = 1, a(4) = 3\}$ , ogf]  
A239679 12.2688 [  $-(38x^2-36x+7)/(x-1)/(2x-1)/(4x-1)$  ogf]  
A239679 6.82784 [  $\{-a(n+3)+7a(n+2)-14a(n+1)+8a(n), a(0) = 7, a(1) = 13, a(2) = 31\}$ , ogf]  
A239679 6.88774 [  $-(-304x^4+576x^3-406x^2+120x-13)/(-304x^5+820x^4-826x^3+388x^2-85x+7)$  lgdogf]  
A239739 16.8487 [  $64*x/(16*x-1)^2$  ogf]  
A239739 23.0266 [  $32/(-16*x+1)$  lgdogf]  
A239739 8.12704 [  $\{a(n+2)-32a(n+1)+256a(n), a(0) = 0, a(1) = 64\}$ , ogf]  
A239745 10.3510 [  $x*(10x^2-20x+9)/(x-1)^3/(2x-1)$  ogf]  
A239745 8.72276 [  $-(-40x^3+110x^2-92x+25)/(-20x^4+70x^3-88x^2+47x-9)$  lgdogf]  
A239767 8.33774 [  $-(-2x^4-10x^3-26x^2-16x-6)/(-x^5-3x^4-4x^3+2x^2+5x+1)$  lgdogf]



A239767 9.27456 [  $-x*(x^3+3*x^2+5*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A239791 11.4648 [  $(x-1)*(x^2+1)/(x^5-x^4+2*x^3-x^2+2*x-1)$  ogf]  
A239794 11.4744 [  $-(15*x^2-32*x-13)/(15*x^3-46*x^2+37*x-6)$  lgdogf]  
A239794 12.7493 [  $(15*x^2-31*x+6)/(x-1)^3$  ogf]  
A239794 7.04566 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = -6, a(1) = 13, a(2) = 42\}$ , ogf]  
A239796 13.6214 [  $(-(-15*x^2+40*x+17)/(-15*x^3+50*x^2-41*x+6))$  lgdogf]  
A239796 15.1349 [  $(15*x^2-35*x+6)/(x-1)^3$  ogf]  
A239796 8.36400 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = -6, a(1) = 17, a(2) = 54\}$ , ogf]  
A239812 11.8763 [  $-(2*x^2+3*x+2)/(2*x^3+2*x^2+x-1)$  ogf]  
A239812 6.41112 [  $\{a(n+3)-a(n+2)-2*a(n+1)-2*a(n), a(0) = 2, a(1) = 5, a(2) = 11\}$ , ogf]  
A239812 7.17283 [  $(-(-4*x^4-12*x^3-16*x^2-12*x-5)/(-4*x^5-10*x^4-12*x^3-5*x^2+x+2))$  lgdogf]  
A239831 5.48427 [  $(x^8-9*x^7-14*x^6-14*x^5-14*x^4-14*x^3-15*x^2-14*x-5)/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A239840 4.33918 [  $\{(-n^3-7*n^2-16*n-12)*a(n+1)+(-n-3)*a(n+2)+a(n+3), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A239844 7.67951 [  $(2*x^4-4*x^3+4*x-3)*(x^2-x+1)/(x-1)^5$  ogf]  
A239851 13.1760 [  $-2*(x^2+x+1)/(2*x^3+x^2-1)$  ogf]  
A239851 7.98968 [  $\{a(n+3)-a(n+1)-2*a(n), a(0) = 2, a(1) = 2, a(2) = 4\}$ , ogf]  
A239851 8.53443 [  $(-(-2*x^4-4*x^3-7*x^2-4*x-1)/(-2*x^5-3*x^4-3*x^3+x+1))$  lgdogf]  
A239852 9.36571 [  $-(x^8-2*x^6-x^5+x^3+3*x^2+3*x+2)/(x^5+x^2-1)$  ogf]  
A239905 8.83316 [  $(x^12-x^11+x^9-x^8+x^4-x^3-x^2-x-1)/(x^12+2*x^4-1)$  ogf]  
A239909 12.2559 [  $-(x-1)*(x^2+x+1)/(x^4-x^3-x^2-x+1)$  ogf]  
A239980 3.70079 [  $(- (4*x^12-6*x^10-6*x^9+6*x^8+4*x^7-4*x^6+x^4-4*x^2-3*x-1)/(6*x^13-5*x^11-10*x^10-2*x^9-4*x^8-x^7+15*x^6+5*x^5+x^4-10*x^3-2*x^2+1))$  ogf]  
A239987 6.30089 [  $-(x^7+x^6-8*x^5+13*x^4-13*x^3+13*x^2-9*x+3)/(x-1)^5$  ogf]  
A240001 11.4074 [  $(3*x^2-7*x+5)/(x-1)^4$  ogf]  
A240001 11.5752 [  $(-(-6*x^2+15*x-13)/(-3*x^3+10*x^2-12*x+5))$  lgdogf]  
A240001 3.85839 [  $\{(-5*n-20)*a(n+4)+(49+12*n)*a(n+3)+(-35-10*n)*a(n+2)+(9+3*n)*a(n+1), a(0) = 5, a(1) = 13, a(2) = 25, a(3) = 42\}$ , ogf]  
A240022 6.13308 [  $\{(10*n+30)*a(n)+(-n-1)*a(n+2), a(0) = 10, a(1) = 18, a(2) = 270\}$ , ogf]  
A240022 6.99171 [  $(-(900*x^3+270*x^2+270*x+9)/(500*x^6+300*x^4+90*x^3+15*x^2-9*x-5))$  lgdogf]  
A240022 9.57768 [  $2*(50*x^4+35*x^2+9*x+5)/(10*x^2-1)^2$  ogf]  
A240034 8.29582 [  $-2*(x^6+x^5+5*x^4+4*x^3-3*x-2)/(x^6+3*x^4-4*x^2+1)$  ogf]  
A240056 15.4848 [  $(-(-x^3+2*x^2-x+1)/(x-1))$  ogf\_with\_Euler\_transform]  
A240058 14.1408 [  $(-(-x^4-2*x^3+x^2-x)/(-x+1))$  ogf\_with\_Euler\_transform]  
A240059 14.1172 [  $(-(-x^4+2*x^3-x^2+1)/(x-1))$  ogf\_with\_Euler\_transform]  
A240063 13.4035 [  $(-(-x^5+x^4+x^2-x+1)/(x-1))$  ogf\_with\_Euler\_transform]  
A240064 13.5317 [  $(-(-x^5+x^4+x^3-x+1)/(x-1))$  ogf\_with\_Euler\_transform]  
A240065 12.3283 [  $(-(-x^5-x^4-x^3+x^2-1)/(-x+1))$  ogf\_with\_Euler\_transform]  
A240115 5.81267 [  $(-(x^15-x^13-x^12+2*x^10+x^7+x^5+2*x+1)/(x+1)/(x^2+1)/(x^2-x+1)/(x^4-x^2+1)/(x^2+x+1)^2/(x-1)^3)$  ogf]  
A240134 13.9655 [  $x*(x^4-4*x-1)/(x-1)^3/(x+1)^3$  ogf]  
A240134 9.93423 [  $(-(2*x^5+4*x^3-20*x^2-6*x-4)/(x^6-x^4-4*x^3-x^2+4*x+1))$  lgdogf]  
A240137 3.86155 [  $\{(-10513*n^2-42493*n-42934)*a(n+1)+(15986*n^2+40697*n+92786)*a(n+2)+(-5473*n^2-18364*n-14836)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 35\}$ , ogf]  
A240137 8.67811 [  $-x*(8*x^3+51*x^2+30*x+1)/(x-1)^5$  ogf]  
A240137 9.06813 [  $(-(16*x^3+177*x^2+222*x+35)/(8*x^4+43*x^3-21*x^2-29*x-1))$  lgdogf]  
A240144 9.49768 [  $(-(-x^20+x^18-x^17+x)/(x^21-x^19+x^2-1))$  ogf\_with\_Euler\_transform]  
A240145 9.63668 [  $(-(-x^22+x^20-x^19+x)/(x^23-x^21+x^2-1))$  ogf\_with\_Euler\_transform]  
A240146 9.43695 [  $(-(-x^24-x^22+x^21-x)/(-x^25+x^23-x^2+1))$  ogf\_with\_Euler\_transform]  
A240165 8.04958 [  $(1/(2*x+1))*exp(-2*x)+1*(2*exp(2*x)*x+exp(2*x))$  lgdegf]  
A240172 4.68806 [  $\{(n+3)*a(n+1)+(2*n+7)*a(n+2)+(n+2)*a(n+3)-a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 10\}$ , ogf]

A240193 4.34643 [  $-(72x^8-52x^7-25x^6+40x^5-50x^4+33x^3+10x^2-15x+3)/(2x-1)/(x-1)/(8x^4-4x^3-7x^2+6x-1)$  ogf]  
A240277 12.6477 [  $(4x^4-5x^3-x+1)/(2x-1)/(x-1)$  ogf]  
A240285 5.77697 [  $-(x-1)*(8x^6+7x^5-14x^4-15x^3+5x^2+10x+2)/(16x^8-31x^6+24x^4-12x^2+1)$  ogf]  
A240290 5.20802 [  $2*(x-1)*(8x^7+3x^6-16x^5-4x^4+15x^3+7x^2-5x-2)/(16x^8-31x^6+24x^4-12x^2+1)$  ogf]  
A240316 5.72882 [  $-2*(4x^7+6x^6-6x^5-8x^4+2x^3+3x^2-2x-1)/(16x^8-31x^6+24x^4-12x^2+1)$  ogf]  
A240333 5.51835 [  $(2x^7-x^6-6x^5+14x^4-18x^3+18x^2-9x+4)/(x-1)^6$  ogf]  
A240342 7.82796 [  $-2*(x+1)*(4x^2-5x+2)/(8x^4-4x^3-7x^2+6x-1)$  ogf]  
A240382 5.66161 [  $-2*(x-1)*(10x^6+9x^5-10x^4-13x^3+2x^2+7x+2)/(16x^8-31x^6+24x^4-12x^2+1)$  ogf]  
A240389 6.67436 [  $-(8x^7-x^6-13x^5+10x^3-5x-1)/(16x^8-31x^6+24x^4-12x^2+1)$  ogf]  
A240395 5.48236 [  $(6x^9-20x^8+29x^7-29x^6+26x^5-18x^4-2x^3+8x^2-2x-2)/(x-1)^5$  ogf]  
A240428 6.19332 [  $-2*(x-1)*(4x^6+2x^5-5x^4-3x^3+4x^2+4x+1)/(16x^8-31x^6+24x^4-12x^2+1)$  ogf]  
A240434 11.2217 [  $-4x*(x-1)/(2x-1)^4$  ogf]  
A240434 15.8974 [  $-(-6x+7)/(-2x^2+3x-1)$  lgdogf]  
A240434 5.05347 [  $\{(-2-n)*a(n+3)+(10+3n)*a(n+2)+(-6-2n)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 28\}$ , ogf]  
A240437 12.7794 [  $-(75x^2-10x-5)/(25x^3-5x^2-5x+1)$  lgdogf]  
A240437 18.2175 [  $20x/(5x-1)/(5x^2-1)$  ogf]  
A240437 7.44541 [  $\{-a(n+3)+5a(n+2)+5a(n+1)-25a(n), a(0) = 0, a(1) = 20, a(2) = 100\}$ , ogf]  
A240438 10.5854 [  $-x*(x+1)*(2x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A240438 8.66080 [  $-(6x^4+16x^3+15x^2+12x+5)/(2x^5+3x^4+x^3-2x^2-3x-1)$  lgdogf]  
A240440 27.8472 [  $7/(-x+1)$  lgdogf]  
A240440 59.4508 [  $[7]$  ogf\_with\_Euler\_transform]  
A240440 7.28712 [  $\{n*a(n+2)+(-6-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 15\}$ , ogf]  
A240440 9.50880 [  $-15x^2/(x-1)^7$  ogf]  
A240441 4.92224 [  $-3x^2*(x^4+31x^3+76x^2+31x+1)/(x+1)^2/(x-1)^9$  ogf]  
A240445 4.02645 [  $-48*(x+1)*(2x^4+62x^3+187x^2+62x+2)/(x-1)^{11}$  ogf]  
A240461 7.82796 [  $-(8x^3-2x^2-9x+5)/(8x^4-4x^3-7x^2+6x-1)$  ogf]  
A240478 9.51670 [  $-(2x^3+x^2-2x-2)/(2x^4-x^2-3x+1)$  ogf]  
A240479 5.84487 [  $-(x+1)*(x^4-2x^3-5x^2-5x-4)/(x^6-2x^5-6x^4-2x^3-3x^2-4x+1)$  ogf]  
A240506 10.3524 [  $-(6x^3-3x+1)/(x-1)/(3x-1)/(2x-1)$  ogf]  
A240506 4.78990 [  $\{a(n+4)-6a(n+3)+11a(n+2)-6a(n+1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 21\}$ , ogf]  
A240513 7.82586 [  $-(x-2)*(2x^3+x^2-1)/(x-1)/(x^4-x^3-2x^2-x+1)$  ogf]  
A240525 12.1602 [  $-(28x^2+x-5)/(2x+1)/(2x-1)/(4x-1)$  ogf]  
A240525 6.66168 [  $\{a(n+3)-4a(n+2)-4a(n+1)+16a(n), a(0) = 5, a(1) = 19, a(2) = 68\}$ , ogf]  
A240525 6.96448 [  $-(-448x^4-32x^3+132x^2+16x-19)/(-448x^5+96x^4+196x^3-44x^2-21x+5)$  lgdogf]  
A240526 12.1602 [  $-(44x^2+5x-7)/(2x+1)/(2x-1)/(4x-1)$  ogf]  
A240526 6.66168 [  $\{-a(n+3)+4a(n+2)+4a(n+1)-16a(n), a(0) = 7, a(1) = 23, a(2) = 76\}$ , ogf]  
A240526 6.90174 [  $-(704x^4+160x^3-180x^2-32x+23)/(704x^5-96x^4-308x^3+52x^2+33x-7)$  lgdogf]  
A240530 25.0613 [  $2/(-4x+1)$  lgdogf]  
A240530 6.74727 [  $\{(-n-2)*a(n+2)+(6+4n)*a(n+1), a(0) = 4, a(1) = 8\}$ , ogf]  
A240530 68.8840 [  $2/(-4x+1)$  lgdogf]  
A240607 11.0376 [  $-(4x^3+3x^2+4x)/(x^4+x^3+2x^2-1)$  lgdogf]  
A240607 16.2184 [  $-x^3/(x^4+x^3+2x^2-1)$  ogf]  
A240631 4.15162 [  $-(x^7+2x^6+3x^5-5x^4-13x^3-13x^2-9x-4)/(x^8+x^7+x^6-6x^5-7x^4-2x^3-4x^2-4x+1)$  ogf]

A240637 6.02267 [ (3\*x^5+2\*x^4-13\*x^3-13\*x^2-x+1)/(x-1)/(x+1)/(9\*x^2+6\*x-1) ogf]  
A240638 4.10160 [ -(170\*x^5+154\*x^4+97\*x^3+24\*x^2+x-2)/(x-1)/(x^2+x+1)/(81\*x^3+54\*x^2+14\*x-1) ogf]  
A240701 3.62258 [ -(72\*x^6-11\*x^5-52\*x^4-59\*x^3-24\*x^2-3\*x+2)/(x-1)/(45\*x^4-21\*x^3-40\*x^2-15\*x+1)/(x^2+x+1) ogf]  
A240707 5.85497 [ (x^2+3\*x+1)\*(3\*x^4+3\*x^3+6\*x^2+3\*x+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A240711 5.84046 [ (7\*x^6+27\*x^5+43\*x^4+52\*x^3+33\*x^2+13\*x+1)/(x^2+x+1)^2/(x-1)^4 ogf]  
A240714 8.48408 [[2] ogf\_with\_Euler\_transform]  
A240778 4.77257 [ -(2\*x^4-7\*x^3+6\*x^2-3\*x+1)\*(x+1)^2/(x-1)/(x^6-2\*x^5-6\*x^4-2\*x^3-3\*x^2-4\*x+1) ogf]  
A240784 8.12113 [ -(4\*x^4+x^3+6\*x^2-3\*x-4)/(x-1)/(x+1)/(x^3+2\*x-1) ogf]  
A240805 11.2271 [ 1/(2\*x-1)/(x+1)^2/(x-1)^3/(2\*x^2+x+1)^3 ogf]  
A240805 13.9580 [ -(48\*x^4+24\*x^2)/(-4\*x^5+3\*x^3+x^2+x-1) lgdogf]  
A240806 12.1601 [ -(126\*x^4-9\*x^3+3\*x^2+9\*x+3)/(-9\*x^5+7\*x^3+x^2+2\*x-1) lgdogf]  
A240806 7.93051 [ -1/(3\*x-1)/(3\*x^2+x+1)/(x+1)^5/(x-1)^6 ogf]  
A240826 6.18837 [ -x\*(35\*x^4+724\*x^3+1722\*x^2+724\*x+35)/(x-1)^7 ogf]  
A240828 14.0653 [ 2\*x^2\*(x^2+x+1)/(x^2+1)/(x-1)^2/(x+1)^2 ogf]  
A240828 24.9734 [1+x-1/2\*x^2+1/6\*x^3, egf\_with\_Euler\_transform]  
A240828 9.87279 [ -(4\*x^5+5\*x^4+8\*x^3+2\*x^2+4\*x+1)/(x^6+x^5+x^4-x^2-x-1) lgdogf]  
A240831 6.23213 [ (6\*x^38-6\*x^37+5\*x^13-x^12-x^11-x^10-x^9-x^8+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x^4+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2/(x+1)^2 ogf]  
A240836 13.6472 [ 2\*(2\*x-1)/(x-1)/(x^2-7\*x+1) ogf]  
A240836 6.34476 [ {a(n+3)-8\*a(n+2)+8\*a(n+1)-a(n), a(0) = 2, a(1) = 12, a(2) = 80}, ogf]  
A240836 8.50945 [ -(4\*x^3-19\*x^2+16\*x-6)/(2\*x^4-17\*x^3+24\*x^2-10\*x+1) lgdogf]  
A240846 12.8471 [ x\*(12\*x+1)/(12\*x-1)/(x-1) ogf]  
A240846 6.42354 [ {a(n+3)-13\*a(n+2)+12\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 25}, ogf]  
A240846 9.27844 [ -(-144\*x^2-24\*x+25)/(-144\*x^3+144\*x^2+x-1) lgdogf]  
A240847 8.12596 [ -x^2\*(2\*x-1)/(x^2+x-1)^2 ogf]  
A240847 9.34485 [ -(-6\*x^2+2\*x)/(-2\*x^3-x^2+3\*x-1) lgdogf]  
A240848 5.99395 [ -(x^20+7\*x^10-2\*x^9-2\*x^8-2\*x^7-2\*x^6-2\*x^5-2\*x^4-2\*x^3-2\*x^2-2\*x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A240871 5.25274 [ -x^5\*(x^7+2\*x^6+3\*x^5+3\*x^4+3\*x^3+3\*x^2+x+1)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1) ogf]  
A240876 15.9513 [ -(x+23)/(x^2-1) lgdogf]  
A240876 20.5089 [ (x+1)^11/(x-1)^12 ogf]  
A240876 30.8133 [[23-11\*x] ogf\_with\_Euler\_transform]  
A240876 5.20152 [ {(-n-3)\*a(n+3)+23\*a(n+2)+(n+2)\*a(n+1), a(0) = 1, a(1) = 23, a(2) = 265}, ogf]  
A240879 11.2713 [ (-4\*x+1)/(-1+4\*x)^(1/2)-I)/(-1+4\*x)^(1/2)/x lgdogf]  
A240879 4.63374 [ {(-16\*n^2-72\*n-80)\*a(n+1)+(8\*n^2+34\*n+30)\*a(n+2)+(-n^2-4\*n-3)\*a(n+3), a(0) = 1, a(1) = 6, a(2) = 31}, ogf]  
A240880 13.3007 [ -1/8+1/8\*(48\*x^2+16\*x+1)^(1/2) revogf]  
A240880 3.27963 [ {(384\*n^2+384\*n)\*a(n)+(144\*n^2+432\*n+288)\*a(n+1)+(20\*n^2+98\*n+114)\*a(n+2)+(n^2+7\*n+12)\*a(n+3), a(0) = 1, a(1) = 1, a(2) = -6}, ogf]  
A240888 8.24277 [ -(2\*x^3+8\*x^2+5\*x+2)/(4\*x^4+14\*x^3+8\*x^2+3\*x-1) ogf]  
A240916 4.56459 [ {a(n+5)-9\*a(n+4)+20\*a(n+3)-12\*a(n+2), a(0) = 0, a(1) = 0, a(2) = 3, a(3) = 24, a(4) = 158}, ogf]  
A240916 9.45063 [ -x^2\*(2\*x^2-3\*x+3)/(x-1)/(6\*x-1)/(2\*x-1) ogf]  
A240917 10.7552 [ -2\*x\*(3\*x+5)/(x-1)/(3\*x-1)/(9\*x-1) ogf]  
A240917 5.60739 [ {a(n+3)-13\*a(n+2)+39\*a(n+1)-27\*a(n), a(0) = 0, a(1) = 10, a(2) = 136}, ogf]  
A240917 7.13114 [ -(-162\*x^3-288\*x^2+390\*x-68)/(-81\*x^4-18\*x^3+156\*x^2-62\*x+5) lgdogf]  
A240926 11.7855 [ -(5\*x^2-11\*x+4)/(x-1)/(x^2-3\*x+1) ogf]  
A240926 6.52414 [ {-a(n+3)+4\*a(n+2)-4\*a(n+1)+a(n), a(0) = 4, a(1) = 5, a(2) = 9}, ogf]  
A240926 7.09421 [ -(-5\*x^4+22\*x^3-36\*x^2+22\*x-5)/

$(-5*x^5+31*x^4-68*x^3+65*x^2-27*x+4)$  lgdogf]  
A240928 5.34422 [  $(x^5+83*x^4+673*x^3+1154*x^2+470*x+35)/(x-1)^8$  ogf]  
A240929 3.89512 [  $(x^7+326*x^6+7942*x^5+42341*x^4+67030*x^3+33638*x^2+4786*x+126)/(x-1)^{10}$  ogf]  
A240930 5.32258 [  $2*x^2*(x^5+88*x^4+718*x^3+1208*x^2+473*x+32)/(x-1)^8$  ogf]  
A240931 4.50549 [  $-2*x^2*(x^6+183*x^5+2682*x^4+8422*x^3+7197*x^2+1611*x+64)/(x-1)^9$  ogf]  
A240932 3.70514 [  $2*x^2*(x^7+374*x^6+9327*x^5+49780*x^4+78095*x^3+38454*x^2+5281*x+128)/(x-1)^{10}$  ogf]  
A240933 5.88508 [  $-2*x^2*(x^8+757*x^7+30973*x^6+264409*x^5+689155*x^4+621199*x^3+190783*x^2+16867*x+256)/(x-1)^{11}$  ogf]  
A240951 16.1205 [  $(x-1)*(2*x^2+x+1)/(2*x-1)$  ogf]  
A240951 8.22818 [  $\{a(n+4)-2*a(n+3), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 8\}$ , ogf]  
A240951 9.87381 [  $-(8*x^3-8*x^2+2*x+2)/(-4*x^4+4*x^3-x^2+2*x-1)$  lgdogf]  
A240956 7.96731 [  $(\ln(x-1)+\ln(x+1)-I*Pi)*(1-1/x)$  revegf]  
A241023 13.2797 [  $-(4*x-4)/(x^3-5*x^2-5*x+1)$  lgdogf]  
A241023 28.1135 [  $-(4*x-4)/(x^3-5*x^2-5*x+1)$  lgdogf]  
A241023 4.37449 [  $\{(n+3)*a(n+3)+(-14-5*n)*a(n+2)+(-1-5*n)*a(n+1)+n*a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$ , ogf]  
A241029 6.70527 [  $-2*(396*x^3-343*x^2+54*x-2)/(x-1)/(22*x-1)/(2*x-1)/(11*x-1)$  ogf]  
A241030 6.80586 [  $-2*(546*x^3-457*x^2+63*x-2)/(x-1)/(26*x-1)/(13*x-1)/(2*x-1)$  ogf]  
A241031 3.86250 [  $-2*(21952*x^5-29204*x^4+12360*x^3-2086*x^2+140*x-3)/(x-1)/(28*x-1)/(4*x-1)/(14*x-1)/(2*x-1)/(7*x-1)$  ogf]  
A241038 4.86473 [  $\{a(n+3)-13*a(n+2)+39*a(n+1)-27*a(n), a(0) = 0, a(1) = 1, a(2) = 28\}$ , ogf]  
A241038 6.08091 [  $-(810*x^3-504*x^2-78*x+28)/(405*x^4-558*x^3+156*x^2-2*x-1)$  lgdogf]  
A241038 9.17121 [  $-x*(15*x+1)/(x-1)/(3*x-1)/(9*x-1)$  ogf]  
A241050 4.85561 [  $-(2*x^{14}+x^{13}-x^{12}-2*x^{11}+3*x^9+4*x^8+x^7-2*x^6+3*x^4-2*x^2+3*x+3)/(x+1)/(x^{10}-x^9+x^8-x^6+x^5-x^3+x^2+x-1)$  ogf]  
A241073 5.91104 [  $-(x+1)*(4*x^5-4*x^4-4*x^3+x^2+3*x-1)/(x-1)/(8*x^5-6*x^4-7*x^3-3*x^2+5*x-1)$  ogf]  
A241084 6.20750 [  $-(5*x^6+17*x^5+25*x^4+30*x^3+19*x^2+7*x+1)/(x^2+x+1)^2/(x-1)^5$  ogf]  
A241103 5.08303 [  $\{a(n+3)-3*a(n+2)-8*a(n+1)-16*a(n), a(0) = 2, a(1) = 11, a(2) = 58\}$ , ogf]  
A241103 9.42819 [  $-(9*x^2+5*x+2)/(16*x^3+8*x^2+3*x-1)$  ogf]  
A241125 6.02934 [  $(2*x-1)*(x-1)*(2*x^3-x^2-3*x-2)/(8*x^5-10*x^4-9*x^3+2*x^2+6*x-1)$  ogf]  
A241133 6.18529 [  $(x-1)*(4*x^4-2*x^3-6*x^2-x+1)/(2*x-1)/(4*x^4-x^3-6*x^2-2*x+1)$  ogf]  
A241158 47.5357 [  $-x^{10}+x^9+2$  ogf\_with\_Euler\_transform]  
A241170 11.7271 [  $(-6*x^2+16*x-25)/(-2*x^3+7*x^2-11*x+6)$  lgdogf]  
A241170 3.85156 [  $\{(-6*n-24)*a(n+4)+(58+11*n)*a(n+3)+(-30-7*n)*a(n+2)+(8+2*n)*a(n+1), a(0) = 6, a(1) = 25, a(2) = 67, a(3) = 145\}$ , ogf]  
A241170 9.94581 [  $-(2*x^2-5*x+6)/(x-1)^5$  ogf]  
A241172 3.00607 [  $\{(-1296*n^3-12312*n^2-37584*n-36288)*a(n+1)+(-50*n^3-675*n^2-2437*n-4962)*a(n+2)+(50+25*n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 126\}$ , ogf]  
A241199 8.77116 [  $-(6*x^4-3*x^3-16*x^2+5*x+14)/(x+1)^2/(x-1)^3$  ogf]  
A241200 8.87870 [  $(x^2+x+1)*(x^2-2)/(x+1)^2/(x-1)^3$  ogf]  
A241204 14.4391 [  $(2*x+1)^2/(2*x-1)^2$  ogf]  
A241204 23.9147 [  $8/(-4*x^2+1)$  lgdogf]  
A241204 7.42981 [  $\{-a(n+3)+4*a(n+2)-4*a(n+1), a(0) = 1, a(1) = 8, a(2) = 32\}$ , ogf]  
A241205 12.1356 [  $-(6*x^3+38*x^2+50*x+14)/(x^4+4*x^3-4*x-1)$  lgdogf]

A241205 5.20097 [ $\{(n^2+8n+15)*a(n+1)+(-2n^2-12n-42)*a(n+2)+(n^2+4n+3)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A241205 6.84338 [ $-x^2*(x+1)*(x^2+4x+1)/(x-1)^9$  ogf]  
A241217 7.84275 [ $(7*x^3-2*x^2+3*x+1)/(x-1)/(10*x-1)/(x+1)/(x^2-x+1)$  ogf]  
A241219 11.3851 [ $-(21*x^2+102*x+57)/(7*x^3+15*x^2-15*x-7)$  lgdogf]  
A241219 3.85003 [ $\{(21+7*n)*a(n+4)+(-27+15*n)*a(n+3)+(-117-15*n)*a(n+2)+(-21-7*n)*a(n+1), a(0) = 0, a(1) = 21, a(2) = 171, a(3) = 666\}$ , ogf]  
A241219 9.26694 [ $-3*x*(7*x^2+22*x+7)/(x-1)^5$  ogf]  
A241256 4.46669 [ $(3*x^{11}-3*x^{10}-x^9-11*x^8-8*x^7-8*x^6-x^5+4*x^4+4*x^3-5*x-2)/(x+1)/(x^9-x^8+3*x^7-2*x^6+x^5-2*x^4+x^3+x^2+x-1)$  ogf]  
A241271 11.1241 [ $-(36*x^2-40*x+9)/(12*x^3-20*x^2+9*x-1)$  lgdogf]  
A241271 16.0944 [ $-3*x^3/(x-1)/(6*x-1)/(2*x-1)$  ogf]  
A241271 5.77433 [ $\{-a(n+4)+9*a(n+3)-20*a(n+2)+12*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 3\}$ , ogf]  
A241275 13.3199 [ $-(36*x^2-40*x+9)/(12*x^3-20*x^2+9*x-1)$  lgdogf]  
A241275 19.2713 [ $-5*x^2/(x-1)/(6*x-1)/(2*x-1)$  ogf]  
A241275 8.08707 [ $\{a(n+3)-9*a(n+2)+20*a(n+1)-12*a(n), a(0) = 0, a(1) = 0, a(2) = 5\}$ , ogf]  
A241290 7.17704 [ $x*(128*x^3-99*x^2+45*x-9)/(x-1)^5$  ogf]  
A241290 7.83700 [ $-(256*x^3+87*x^2-18*x)/(128*x^4-227*x^3+144*x^2-54*x+9)$  lgdogf]  
A241301 9.43079 [ $-2*(x^4+x^3-x^2-3*x-1)/(x^5-x^3-2*x^2+1)$  ogf]  
A241329 4.29489 [ $(3*x^7+5*x^6-17*x^5-21*x^4+26*x^3+15*x^2-16*x+2)/(x-1)/(x^2+x-1)/(9*x^3+6*x^2-10*x+1)$  ogf]  
A241345 3.15109 [ $(9*x^{10}-51*x^9+31*x^8+104*x^7-38*x^6-109*x^5+4*x^4+46*x^3-3*x^2-6*x+1)/(3*x-1)/(x-1)/(9*x^4-4*x^3-12*x^2-3*x+1)/(x^4-x^3-2*x^2-x+1)$  ogf]  
A241364 7.96126 [ $-(x+1)*(4*x^3+x^2+x-1)/(x-1)/(8*x^3+6*x^2+6*x-1)$  ogf]  
A241371 4.25080 [ $\{-a(n+5)+5*a(n+4)-2*a(n+3)-4*a(n+2), a(0) = 2, a(1) = 7, a(2) = 28, a(3) = 121, a(4) = 523\}$ , ogf]  
A241371 8.22557 [ $(x^2+x-1)*(2*x^2+x-2)/(4*x^3+2*x^2-5*x+1)$  ogf]  
A241372 4.08052 [ $(16*x^7+32*x^6+34*x^5+42*x^4-25*x^3-43*x^2+2*x+5)/(32*x^6+32*x^5+72*x^4+50*x^3-16*x^2-9*x+1)$  ogf]  
A241406 10.6114 [ $-(-11*x^3-89*x^2-94*x-50)/(-11*x^4-39*x^3+39*x+11)$  lgdogf]  
A241406 13.2642 [ $(11*x^2+39*x+11)/(x+1)/(x-1)^2$  ogf]  
A241406 7.38181 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 11, a(1) = 50, a(2) = 72\}$ , ogf]  
A241407 10.1798 [ $-(27*x^3+65*x^2+154*x+46)/(27*x^4+19*x^3-19*x-27)$  lgdogf]  
A241407 12.8838 [ $(27*x^2+19*x+27)/(x+1)/(x-1)^2$  ogf]  
A241407 7.10833 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 27, a(1) = 46, a(2) = 100\}$ , ogf]  
A241429 4.26507 [ $(4*x^{12}-6*x^{11}+3*x^9-5*x^8+4*x^7+2*x^6-8*x^5+6*x^4+5*x^3-8*x^2-x+3)/(x-1)/(x^{10}-x^9+x^8-x^6+x^5-x^3+x^2+x-1)$  ogf]  
A241452 4.37052 [ $\{(47*n^2+79*n)*a(n+1)+(-39*n^2+247*n+286)*a(n+2)+(-8*n^2-106*n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$ , ogf]  
A241452 8.46501 [ $x^3*(x^3-5*x^2+4*x-6)/(x-1)^5$  ogf]  
A241452 9.68887 [ $-(-2*x^3+12*x^2-6*x+26)/(-x^4+6*x^3-9*x^2+10*x-6)$  lgdogf]  
A241489 6.57167 [ $-(7510*x^9+500*x^7-7391*x^6+110*x^5-430*x^4-76*x^3-101*x^2-52*x-16)/(x-1)/(x^2+x+1)/(10*x^3-1)$  ogf]  
A241496 11.2566 [ $-(-4*x^3-20*x^2-8*x-4)/(-x^4-4*x^3+4*x+1)$  lgdogf]  
A241496 12.6420 [ $-(x^2+4*x+1)/(x-1)^3/(x+1)^3$  ogf]  
A241520 10.1720 [ $-(-34*x^3-76*x^2-191*x-55)/(-34*x^4-21*x^3+21*x+34)$  lgdogf]  
A241520 12.8739 [ $(34*x^2+21*x+34)/(x+1)/(x-1)^2$  ogf]  
A241520 7.10286 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 34, a(1) = 55, a(2) = 123\}$ , ogf]  
A241521 10.0949 [ $-(-22*x^3-128*x^2-163*x-75)/(-22*x^4-53*x^3+53*x+22)$  lgdogf]  
A241521 12.9341 [ $(22*x^2+53*x+22)/(x+1)/(x-1)^2$  ogf]  
A241521 7.13605 [ $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 22, a(1) = 75, a(2) = 119\}$ , ogf]  
A241524 7.50030 [ $(-4*x^2+(-16*x^3+20*x^2-8*x+1)^{1/2}-25*x+6)/(x^2+4*x-1)/$

$(-1+4*x) \lgdogf]$   
A241526 8.39019  $[ -(-4*x^4-8*x^3-18*x^2-11*x-7)/(-x^5-x^4-2*x^3+x^2+x+2) \lgdogf]$   
A241526 9.67340  $[ (x^2+x+2)/(x^2+x+1)/(x-1)^4 \text{ ogf}]$   
A241527 7.11418  $[ -(3*x^5+117*x^4-4*x^3-16*x^2-7*x+3)/(3*x^6+50*x^5-101*x^4+70*x^3-29*x^2+8*x-1) \lgdogf]$   
A241527 8.71123  $[ (x^4+18*x^3-10*x^2+4*x-1)/(3*x-1)/(x-1)^4 \text{ ogf}]$   
A241530 5.09150  $[ \{(16*n^2+16*n)*a(n)+(12+8*n)*a(n+1)+(-n^2-5*n-6)*a(n+2), a(0) = 1, a(1) = 2\}, \text{ ogf}]$   
A241574 8.49153  $[ (x+1)*(6*x^6-12*x^5+18*x^4-20*x^3+15*x^2-6*x+1)/(2*x-1)^4 \text{ ogf}]$   
A241575 5.10999  $[ -x*(x^34-x^33+x^9+x^7+x^5+x^2+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) \text{ ogf}]$   
A241577 12.3788  $[ -(-9*x^3+7*x^2+25*x+1)/(-9*x^4+26*x^3-20*x^2+4*x-1) \lgdogf]$   
A241577 13.1723  $[ -(9*x^3-17*x^2+3*x-1)/(x-1)^4 \text{ ogf}]$   
A241577 5.03647  $[ \{(1229*n^2+7279*n+9642)*a(n+1)+(-2878*n^2-15180*n-17244)*a(n+2)+(1649*n^2+6641*n+5082)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 15\}, \text{ ogf}]$   
A241592 7.35379  $[ x^3*(2*x^6-4*x^5+2*x^4-x^2+x-1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^3 \text{ ogf}]$   
A241606 9.16341  $[ -(x-1)*(x+1)/(x^4-11*x^3+25*x^2-11*x+1) \text{ ogf}]$   
A241608 7.13213  $[ -(6*x^5+9*x^4+4*x^3-10*x^2-10*x-10)/(x^6+x^5-2*x^3-x^2-x+1) \text{ ogf}]$   
A241609 3.94505  $[ -(10*x^9-6*x^8-3*x^7-20*x^6+22*x^5+19*x^4+35*x^3-25*x^2-10*x-20)/(x-1)/(x^9-2*x^6+x^5+2*x^4+5*x^3+x^2+x-1) \text{ ogf}]$   
A241620 4.40901  $[ -(x^7-8*x^6+28*x^5-56*x^4+69*x^3-67*x^2+5*x-19)/(x-1)^8 \text{ ogf}]$   
A241621 3.73390  $[ -(x^8-9*x^7+36*x^6-84*x^5+127*x^4-107*x^3+155*x^2+35*x+28)/(x-1)^9 \text{ ogf}]$   
A241622 3.31965  $[ -(x^9-10*x^8+45*x^7-120*x^6+209*x^5-283*x^4+19*x^3-460*x^2-146*x-41)/(x-1)^10 \text{ ogf}]$   
A241682 5.50652  $[ 2*x*(12*x^4-12*x^3+x^2+4*x-1)/(x-1)/(4*x-1)/(2*x+1)/(2*x-1)/(x+1) \text{ ogf}]$   
A241683 6.35610  $[ 2*x^3*(4*x^2-2*x-1)/(x-1)/(4*x-1)/(2*x+1)/(2*x-1)/(x+1) \text{ ogf}]$   
A241684 8.48508  $[ -4*x^2*(8*x^3-5*x^2-2*x+1)/(x-1)/(4*x-1)/(2*x+1)/(2*x-1)/(x+1) \text{ ogf}]$   
A241685 5.99533  $[ -2*x*(4*x^3-4*x^2-2*x+1)/(x-1)/(4*x-1)/(2*x+1)/(2*x-1)/(x+1) \text{ ogf}]$   
A241688 7.20546  $[ -2*x^6*(5*x^3+3*x^2+3*x+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5 \text{ ogf}]$   
A241748 11.2918  $[ -(-13*x^2+20*x-13)/(-13*x^3+36*x^2-35*x+12) \lgdogf]$   
A241748 12.5268  $[ -(13*x^2-23*x+12)/(x-1)^3 \text{ ogf}]$   
A241748 6.97143  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 12, a(1) = 13, a(2) = 16\}, \text{ ogf}]$   
A241749 11.2918  $[ -(-14*x^2+22*x-14)/(-14*x^3+39*x^2-38*x+13) \lgdogf]$   
A241749 12.5268  $[ -(14*x^2-25*x+13)/(x-1)^3 \text{ ogf}]$   
A241749 6.97143  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 13, a(1) = 14, a(2) = 17\}, \text{ ogf}]$   
A241750 11.2918  $[ -(-16*x^2+26*x-16)/(-16*x^3+45*x^2-44*x+15) \lgdogf]$   
A241750 12.5268  $[ -(16*x^2-29*x+15)/(x-1)^3 \text{ ogf}]$   
A241750 6.97143  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 15, a(1) = 16, a(2) = 19\}, \text{ ogf}]$   
A241751 11.2918  $[ -(-17*x^2+28*x-17)/(-17*x^3+48*x^2-47*x+16) \lgdogf]$   
A241751 12.5268  $[ -(17*x^2-31*x+16)/(x-1)^3 \text{ ogf}]$   
A241751 6.97143  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 16, a(1) = 17, a(2) = 20\}, \text{ ogf}]$   
A241765 10.2337  $[ x*(2*x-5)/(x-1)^5 \text{ ogf}]$   
A241765 15.6639  $[ -(-8*x+23)/(-2*x^2+7*x-5) \lgdogf]$   
A241765 5.04955  $[ \{(-10-5*n)*a(n+3)+(30+7*n)*a(n+2)+(-8-2*n)*a(n+1), a(0) = 0, a(1) = 5, a(2) = 23\}, \text{ ogf}]$   
A241847 11.2918  $[ -(-18*x^2+30*x-18)/(-18*x^3+51*x^2-50*x+17) \lgdogf]$   
A241847 12.5268  $[ -(18*x^2-33*x+17)/(x-1)^3 \text{ ogf}]$   
A241847 6.97143  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 17, a(1) = 18, a(2) =$

21}], ogf]  
 A241848 11.2918 [ -(-19\*x^2+32\*x-19)/(-19\*x^3+54\*x^2-53\*x+18) lgdogf]  
 A241848 12.5268 [ -(19\*x^2-35\*x+18)/(x-1)^3 ogf]  
 A241848 6.97143 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 18, a(1) = 19, a(2) = 22}], ogf]  
 A241849 11.3466 [ -(-20\*x^2+34\*x-20)/(-20\*x^3+57\*x^2-56\*x+19) lgdogf]  
 A241849 12.5876 [ -(20\*x^2-37\*x+19)/(x-1)^3 ogf]  
 A241849 7.00528 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 19, a(1) = 20, a(2) = 23}], ogf]  
 A241850 11.3466 [ -(-21\*x^2+36\*x-21)/(-21\*x^3+60\*x^2-59\*x+20) lgdogf]  
 A241850 12.5876 [ -(21\*x^2-39\*x+20)/(x-1)^3 ogf]  
 A241850 7.00528 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 20, a(1) = 21, a(2) = 24}], ogf]  
 A241851 11.3466 [ -(-22\*x^2+38\*x-22)/(-22\*x^3+63\*x^2-62\*x+21) lgdogf]  
 A241851 12.5876 [ -(22\*x^2-41\*x+21)/(x-1)^3 ogf]  
 A241851 7.00528 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 21, a(1) = 22, a(2) = 25}], ogf]  
 A241872 6.69855 [ -(12\*x^2-15\*x+4)/(4\*x-1)/(x-1)/(3\*x-1)^2/(2\*x-1)^3 ogf]  
 A241888 14.8449 [ (14\*x+1)/(16\*x-1)/(x-1) ogf]  
 A241888 8.38299 [{-a(n+2)+17\*a(n+1)-16\*a(n), a(0) = 1, a(1) = 31}], ogf]  
 A241888 9.89658 [ -(224\*x^2+32\*x-31)/(224\*x^3-222\*x^2-3\*x+1) lgdogf]  
 A241889 11.3466 [ -(-24\*x^2+42\*x-24)/(-24\*x^3+69\*x^2-68\*x+23) lgdogf]  
 A241889 12.5876 [ -(24\*x^2-45\*x+23)/(x-1)^3 ogf]  
 A241889 7.00528 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 23, a(1) = 24, a(2) = 27}], ogf]  
 A241890 11.3466 [ -(-25\*x^2+44\*x-25)/(-25\*x^3+72\*x^2-71\*x+24) lgdogf]  
 A241890 12.5876 [ -(25\*x^2-47\*x+24)/(x-1)^3 ogf]  
 A241890 7.00528 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 24, a(1) = 25, a(2) = 28}], ogf]  
 A241891 5.88595 [ -(24\*x^5+12\*x^4+2\*x^3-9\*x^2-2\*x+1)/(x-1)/(4\*x-1)/(2\*x+1)/(2\*x-1)/(x+1) ogf]  
 A241892 7.02974 [ -x^2\*(8\*x^3-2\*x+1)/(x-1)/(4\*x-1)/(2\*x+1)/(2\*x-1)/(x+1) ogf]  
 A241893 5.98593 [ 4\*x^3\*(8\*x^2+x-2)/(x-1)/(4\*x-1)/(2\*x+1)/(2\*x-1)/(x+1) ogf]  
 A241894 5.77591 [ -(8\*x^4+8\*x^3-8\*x^2-2\*x+1)/(x-1)/(4\*x-1)/(2\*x+1)/(2\*x-1)/(x+1) ogf]  
 A241899 7.74708 [[2] ogf\_with\_Euler\_transform]  
 A241929 5.90180 [ (x^4+x^3+6\*x^2+x+1)\*(x^2+x+1)/(x-1)^8 ogf]  
 A241937 6.43486 [ -(x^5-6\*x^4+15\*x^3-21\*x^2-16)/(x-1)^6 ogf]  
 A241938 5.24697 [ -(x^6-7\*x^5+21\*x^4-34\*x^3+63\*x^2+36\*x+26)/(x-1)^7 ogf]  
 A241939 4.28487 [ -(x^7-8\*x^6+28\*x^5-57\*x^4+17\*x^3-282\*x^2-165\*x-43)/(x-1)^8 ogf]  
 A241940 3.59607 [ -(x^8-9\*x^7+36\*x^6-83\*x^5+222\*x^4+623\*x^3+1373\*x^2+548\*x+71)/(x-1)^9 ogf]  
 A241941 5.20431 [ -(x^9-10\*x^8+45\*x^7-121\*x^6+45\*x^5-2422\*x^4-6410\*x^3-6103\*x^2-1567\*x-116)/(x-1)^10 ogf]  
 A241946 5.43008 [ -11\*(90\*x^10-10\*x^9-10\*x^8-10\*x^7-10\*x^6-10\*x^5-10\*x^4-10\*x^3-10\*x^2-10\*x-91)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
 A241955 15.9125 [ (8\*x+7)/(16\*x-1)/(x-1) ogf]  
 A241955 8.69637 [{-a(n+2)+17\*a(n+1)-16\*a(n), a(0) = 7, a(1) = 127}], ogf]  
 A241955 9.97184 [ -(128\*x^2+224\*x-127)/(128\*x^3-24\*x^2-111\*x+7) lgdogf]  
 A241958 5.46345 [{(-54\*n^3-351\*n^2-741\*n-504)\*a(n+1)+(2\*n^3+21\*n^2+73\*n+84)\*a(n+2), a(0) = 1, a(1) = 2}], ogf]  
 A241965 6.04006 [ -(x^5-6\*x^4+15\*x^3-27\*x^2-10\*x-19)/(x-1)^6 ogf]  
 A241966 5.05362 [ -(x^6-7\*x^5+21\*x^4-25\*x^3+113\*x^2+80\*x+33)/(x-1)^7 ogf]  
 A241967 4.12121 [ -(x^7-8\*x^6+28\*x^5-70\*x^4-140\*x^3-607\*x^2-319\*x-57)/(x-1)^8 ogf]  
 A241968 3.71354 [ -(x^8-9\*x^7+36\*x^6-65\*x^5+632\*x^4+2268\*x^3+3086\*x^2+1022\*x+97)/(x-1)^9 ogf]  
 A241976 12.9820 [ 3\*x\*(x-3)/(x-1)/(x^2-6\*x+1) ogf]

A241976 6.60693 [ $\{-a(n+3)+7a(n+2)-7a(n+1)+a(n), a(0) = 0, a(1) = 9, a(2) = 60\}$ , ogf]  
A241976 8.60437 [ $-(2x^3-16x^2+42x-20)/(x^4-10x^3+28x^2-22x+3)$  lgdogf]  
A241979 11.8854 [ $-x(x^5-x^2+1)/(x-1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A242026 11.5099 [ $-(48x^2-8x-4)/(16x^3-4x^2-4x+1)$  lgdogf]  
A242026 16.1629 [ $12x/(2x+1)/(2x-1)/(4x-1)$  ogf]  
A242026 6.66365 [ $\{-a(n+3)+4a(n+2)+4a(n+1)-16a(n), a(0) = 0, a(1) = 12, a(2) = 48\}$ , ogf]  
A242062 17.0046 [ $-x^{11}+x^2(x^4+x+1)$  ogf\_with\_Euler\_transform]  
A242062 9.68390 [ $x(x^2-x+1)(x^4-x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A242073 8.90295 [ $-(x^5-x^4+2x^3+x^2+x-1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A242077 7.12964 [ $(20x^9+x^8+7x^7-2x^6+8x^5+2x^4+8x^3+x^2+x+4)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A242112 10.2094 [ $(x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A242112 24.9760 [ $x^5-x^4+x+1$  ogf\_with\_Euler\_transform]  
A242135 12.4300 [ $-x(x^2-8x+1)/(x-1)^4$  ogf]  
A242135 13.9598 [ $-(2x^2-22x-4)/(x^3-9x^2+9x-1)$  lgdogf]  
A242135 4.58277 [ $\{(-3-n)a(n+4)+(14+9n)a(n+3)+(-31-9n)a(n+2)+(n+2)a(n+1), a(0) = 0, a(1) = -1, a(2) = 4, a(3) = 21\}$ , ogf]  
A242145 4.83924 [ $-(x^6-7x^5+21x^4-13x^3+175x^2+141x+42)/(x-1)^7$  ogf]  
A242146 3.93946 [ $-(x^7-8x^6+28x^5-90x^4-348x^3-1030x^2-521x-74)/(x-1)^8$  ogf]  
A242147 3.51798 [ $-(x^8-9x^7+36x^6-30x^5+1309x^4+4815x^3+5658x^2+1714x+132)/(x-1)^9$  ogf]  
A242181 15.6912 [ $-(11x+89)/(11x^2+28x-39)$  lgdogf]  
A242181 17.6943 [ $(11x+39)/(x-1)^2$  ogf]  
A242181 9.90038 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 39, a(1) = 89\}$ , ogf]  
A242182 5.11413 [ $(101x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+390)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A242191 5.68206 [ $-(720x^5-2688x^4+2954x^3-1365x^2+280x-21)/(x-1)/(6x-1)/(4x-1)/(3x-1)/(2x-1)/(5x-1)$  ogf]  
A242206 10.4358 [ $-2(2x^2+x-2)/(2x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A242206 7.37206 [ $-(12x^5+8x^4-27x^3-9x^2+27x-9)/(4x^6-13x^4+6x^3+10x^2-9x+2)$  lgdogf]  
A242215 10.1887 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 5, a(1) = 23\}$ , ogf]  
A242215 16.5816 [ $-(-13x-23)/(-13x^2+8x+5)$  lgdogf]  
A242215 18.3840 [ $(13x+5)/(x-1)^2$  ogf]  
A242227 3.05147 [ $\{(n+2)a(n+1)+(-2n^2-8n-6)a(n+2)+(-2n^2-14n-26)a(n+3)+(n+4)a(n+4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 23\}$ , ogf]  
A242234 9.27178 [ $-(7x^3+11x^2+12x+10)/(x^4+x^3+x^2+x-1)$  ogf]  
A242235 6.97512 [ $-(11x^4+18x^3+21x^2+20x+15)/(x^5+x^4+x^3+x^2+x-1)$  ogf]  
A242236 6.09042 [ $-(16x^5+27x^4+33x^3+34x^2+30x+21)/(x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A242237 5.09927 [ $-2(11x^6+19x^5+24x^4+26x^3+25x^2+21x+14)/(x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A242238 4.60693 [ $-(29x^7+51x^6+66x^5+74x^4+75x^3+69x^2+56x+36)/(x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A242278 12.1497 [ $-(-27x^2+6x+3)/(-9x^3+3x^2+3x-1)$  lgdogf]  
A242278 17.5496 [ $6x/(3x-1)/(3x^2-1)$  ogf]  
A242278 7.05117 [ $\{-a(n+3)+3a(n+2)+3a(n+1)-9a(n), a(0) = 0, a(1) = 6, a(2) = 18\}$ , ogf]  
A242300 7.91489 [ $-x(x^3+5x^2-3x-2)/(x-1)/(x+1)/(x^2-3x+1)/(x^2+x-1)$  ogf]  
A242317 6.01849 [ $-(13x^5+18x^4-20x^3-34x^2-36x-25)/(x+1)/(x^5-2x^3-2x+1)$  ogf]  
A242318 3.51351 [ $-(35x^9+49x^8+16x^7+36x^6+53x^5-196x^4-248x^3-188x^2-120x-65)/(x^{10}+x^9+x^7+x^6-6x^5-5x^4-3x^3-2x^2-x+1)$  ogf]  
A242328 10.6856 [ $-(-55x^2+30x-7)/(-55x^3+81x^2-29x+3)$  lgdogf]  
A242328 16.0284 [ $-(-11x-3)/(5x-1)/(x-1)$  ogf]  
A242328 8.99156 [ $\{a(n+2)-6a(n+1)+5a(n), a(0) = 3, a(1) = 7\}$ , ogf]  
A242329 13.2377 [ $-(21x-5)/(5x-1)/(x-1)$  ogf]



A242329 7.42604 [ $\{a(n+2)-6*a(n+1)+5*a(n), a(0) = 5, a(1) = 9\}$ , ogf]  
A242329 8.45743 [ $(-(-105*x^2+50*x-9)/(-105*x^3+151*x^2-51*x+5) \text{ lgdogf}]$   
A242371 8.54252 [  $-4*(2*x^4-2*x^3-4*x^2+5*x+3)/(x+1)^2/(x-1)^3 \text{ ogf}]$   
A242396 5.35739 [  $-2*(x^{13}-2*x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-2*x^6-x^5-x^4-x^3-x^2-x-2)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A242405 13.5227 [ $(-(6*x^4+4*x^2+6)/(-x^6+1) \text{ ogf\_with\_Euler\_transform}]$   
A242412 12.7829 [ $(-(-15*x^2+14*x-23)/(-15*x^3+37*x^2-37*x+15) \text{ lgdogf}]$   
A242412 14.1811 [  $-(15*x^2-22*x+15)/(x-1)^3 \text{ ogf}]$   
A242412 7.89208 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 15, a(1) = 23, a(2) = 39\}$ , ogf]  
A242436 7.94349 [  $-x*(x^4-34*x^3-54*x^2-34*x+1)/(x-1)^6 \text{ ogf}]$   
A242436 8.31818 [ $(-(2*x^4-98*x^3-318*x^2-278*x-28)/(x^5-35*x^4-20*x^3+20*x^2+35*x-1) \text{ lgdogf}]$   
A242448 6.62302 [  $(x^2-x+1)*(x+1)^2/(x^2+x-1)/(x-1) \text{ ogf}]$   
A242452 7.74531 [  $-(x+1)*(x^2+1)*(x^2+x+1)/(2*x^5+3*x^4+4*x^3+2*x^2+x-1) \text{ ogf}]$   
A242468 3.91150 [  $-(49*x^7+215*x^6+285*x^5+31*x^4-152*x^3-29*x^2+32*x-4)/(2*x^2+2*x-1)/(5*x^2+5*x-1)/(x^2+x-1)/(3*x^2+3*x-1) \text{ ogf}]$   
A242475 14.4825 [  $-(17*x-9)/(2*x-1)/(x-1) \text{ ogf}]$   
A242475 8.02643 [ $\{a(n+2)-3*a(n+1)+2*a(n), a(0) = 9, a(1) = 10\}$ , ogf]  
A242475 9.51706 [ $(-(-34*x^2+36*x-10)/(-34*x^3+69*x^2-44*x+9) \text{ lgdogf}]$   
A242477 17.7369 [  $-3*x^2/(x+1)/(x-1)^3 \text{ ogf}]$   
A242477 18.1400 [ $(-(-4*x-2)/(-x^2+1) \text{ lgdogf}]$   
A242477 37.8162 [ $[2+x] \text{ ogf\_with\_Euler\_transform}]$   
A242477 6.54230 [ $\{a(n+4)-2*a(n+3)+2*a(n+1)-a(n), a(0) = 0, a(1) = 0, a(2) = 3, a(3) = 6\}$ , ogf]  
A242495 3.67693 [  $-(x+1)*(x^2+x+1)*(x^4+x^3+x^2+x+1)*(x^2+1)/(3*x^9+8*x^8+15*x^7+20*x^6+22*x^5+18*x^4+12*x^3+5*x^2+x-1) \text{ ogf}]$   
A242496 8.39934 [  $-x*(3*x^2-3*x-1)/(x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1) \text{ ogf}]$   
A242497 5.61063 [  $-(3*x^7+5*x^6+6*x^5-4*x^4-10*x^3-12*x^2-7*x-3)/(x^2+x+1)/(x^6-4*x^3+1) \text{ ogf}]$   
A242510 9.75452 [  $-(x^2-x-1)/(x^4-x^3-2*x^2-x+1) \text{ ogf}]$   
A242525 7.79508 [  $(x-1)*(x+1)*(x^4+x^3+1)/(x^5+x^4+x^2+x-1) \text{ ogf}]$   
A242536 11.2476 [  $-(x^2-x-1)/(2*x^4-2*x^3-3*x^2-x+1) \text{ ogf}]$   
A242536 7.12002 [ $(-(4*x^5-8*x^4-4*x^3+10*x^2+4*x+2)/(2*x^6-4*x^5-3*x^4+4*x^3+5*x^2-1) \text{ lgdogf}]$   
A242537 13.6862 [  $-(x^2-x-1)/(2*x^4-2*x^3-3*x^2-x+1) \text{ ogf}]$   
A242537 8.35705 [ $(-(4*x^5-8*x^4-4*x^3+11*x^2+4*x+3)/(2*x^6-4*x^5-3*x^4+3*x^3+6*x^2+x-1) \text{ lgdogf}]$   
A242543 8.89662 [  $-2*(9*x^3+12*x^2+4*x+6)/(2*x^2+2*x-1)/(2*x^2+1) \text{ ogf}]$   
A242544 4.27004 [  $-(42*x^7+99*x^6+78*x^5+88*x^4+50*x^3-21*x^2+10*x-13)/(x^2+1)/(3*x^2+1)/(3*x^2+3*x-1)/(x^2+x-1) \text{ ogf}]$   
A242558 7.82506 [  $-x*(x^2+3*x-3)/(x-1)/(x+1)/(x^2-3*x+1)/(x^2+x-1) \text{ ogf}]$   
A242563 13.5116 [  $x^2*(x-2)/(2*x-1)/(x+1)/(x^2-x+1) \text{ ogf}]$   
A242563 8.86247 [ $(-(6*x^4-18*x^3+6*x^2-3)/(2*x^5-5*x^4+2*x^3+2*x^2-5*x+2) \text{ lgdogf}]$   
A242566 9.57067 [ $(-(-x^2+x)/(-x^4+2*x^3-x^2-1) \text{ revogf}]$   
A242569 4.62711 [ $\{(n^3+9*n^2+26*n+24)*a(n+1)+(-n^3-9*n^2-25*n-20)*a(n+2)+(n^2+4*n+3)*a(n+3), a(0) = -1, a(1) = -2, a(2) = 0\}$ , ogf]  
A242570 10.7017 [ $\{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 252\}$ , ogf]  
A242570 22.7755 [  $252*x/(x-1)^2 \text{ ogf}]$   
A242570 31.7230 [  $2/(-x+1) \text{ lgdogf}]$   
A242570 67.9342 [  $[2] \text{ ogf\_with\_Euler\_transform}]$   
A242578 8.02733 [  $(-(20*x^3-22*x^2+17*x-13)/(x-1)/(4*x^3-2*x^2+3*x-1) \text{ ogf}]$   
A242579 4.71451 [  $(-(45*x^6-87*x^5+152*x^4-164*x^3+96*x^2-53*x+14)/(x-1)/(x^3-x^2+2*x-1)/(9*x^3-3*x^2+4*x-1) \text{ ogf}]$   
A242601 14.3907 [ $(-(-5*x^2+4*x-1)/(-x^3+x^2-x+1) \text{ lgdogf}]$   
A242601 16.1580 [  $-x^2/(x-1)/(x^2+1)^2 \text{ ogf}]$   
A242601 31.6703 [  $[2*x^3-2*x+1] \text{ ogf\_with\_Euler\_transform}]$   
A242601 4.74744 [ $\{(n+4)*a(n+1)+(-n-4)*a(n+2)+(n+2)*a(n+3)+(-n-2)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 1\}$ , ogf]  
A242602 13.3977 [ $(-(7*x^3-6*x^2+1)/(x^4-x^3+x-1) \text{ lgdogf}]$   
A242602 14.9352 [  $-x^3/(x-1)/(x^2-x+1)^2/(x+1)^2 \text{ ogf}]$

A242602 31.3340 [2\*x^5-2\*x^2+1 ogf\_with\_Euler\_transform]  
A242604 3.84523 [ {(-50\*n^2-301\*n-402)\*a(n+1)+(7\*n^2-308\*n-987)\*a(n+2)+(43\*n^2+237\*n+302)\*a(n+3), a(0) = 0, a(1) = 9, a(2) = 56}, ogf]  
A242604 7.85765 [ x\*(x^3-5\*x^2-11\*x-9)/(x-1)^5 ogf]  
A242604 8.70969 [ -(-2\*x^3+12\*x^2+54\*x+56)/(-x^4+6\*x^3+6\*x^2-2\*x-9) lgdogf]  
A242609 3.00090 [ -(-2\*x^25-2\*x^24+x^23-2\*x^16-x^15-3\*x^9-2\*x^8+2\*x^7-x-2)/(x^26-x^24+x^18-x^16+x^10-x^8+x^2-1) ogf\_with\_Euler\_transform]  
A242636 5.02908 [ -(x^6-x^5-2\*x^4+x^3+3\*x^2-1)/(x+1)/(2\*x^11-2\*x^10+6\*x^9-4\*x^8+3\*x^7+13\*x^5+5\*x^4-8\*x^3-5\*x^2-x+1) ogf]  
A242651 5.70246 [ {(n^2+4\*n+5)\*a(n+1)+(2\*n+5)\*a(n+2)+a(n+3), a(0) = 0, a(1) = -1, a(2) = 3}, ogf]  
A242652 5.81896 [ {(n^2+4\*n+5)\*a(n+1)+(2\*n+5)\*a(n+2)+a(n+3), a(0) = 1, a(1) = -1, a(2) = 1}, ogf]  
A242656 5.77747 [ (x^8-3\*x^7-2\*x^6+16\*x^5-14\*x^4-14\*x^3+29\*x^2-13\*x-1)/(x-1)^7 ogf]  
A242657 5.97601 [ (x^9-3\*x^8-3\*x^7+18\*x^6-5\*x^5-51\*x^4+77\*x^3-29\*x^2-19\*x+15)/(x-1)^8 ogf]  
A242658 14.0686 [ -(-4\*x^2-4\*x-1)/(-4\*x^3+6\*x^2-3\*x+1) lgdogf]  
A242658 14.7605 [ -2\*(4\*x^2-2\*x+1)/(x-1)^3 ogf]  
A242658 8.03919 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 2, a(1) = 2, a(2) = 8}, ogf]  
A242659 10.4285 [ 2\*x\*(4\*x^2-2\*x+1)/(x-1)^4 ogf]  
A242659 11.8950 [ -(-8\*x^2-2\*x-2)/(-4\*x^3+6\*x^2-3\*x+1) lgdogf]  
A242659 3.88409 [ {(n+3)\*a(n+4)+(-8-3\*n)\*a(n+3)+(4+6\*n)\*a(n+2)+(-8-4\*n)\*a(n+1), a(0) = 0, a(1) = 2, a(2) = 4, a(3) = 12}, ogf]  
A242660 16.9025 [ x\*(2\*x+1)\*(x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2 ogf]  
A242660 9.27729 [ -(-4\*x^6-11\*x^5-17\*x^4-13\*x^3-13\*x^2-10\*x-4)/(-2\*x^7-3\*x^6-3\*x^5-x^4+2\*x^3+3\*x^2+3\*x+1) lgdogf]  
A242668 15.8212 [ -1/(4\*x-1)/(x^4-4\*x+1) ogf]  
A242668 8.76835 [ -(-20\*x^4+4\*x^3+32\*x-8)/(-4\*x^5+x^4+16\*x^2-8\*x+1) lgdogf]  
A242669 8.65667 [ -x^3\*(x^3+x^2+x+3)/(x^2+x+1)^2/(x-1)^3 ogf]  
A242679 7.45284 [ (4\*x^16+3\*x^15-3\*x^11+3\*x^10+7\*x^9+7\*x^8+7\*x^7+7\*x^6+4\*x^5+7\*x^4+7\*x^3+7\*x^2+7\*x+4)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A242709 6.73754 [ -x\*(x^5+x^4+7\*x^3+5\*x^2+8\*x+2)/(x+1)^3/(x-1)^5 ogf]  
A242725 10.8428 [ -(2\*x^3-x^2-3\*x+1)/(x-1)/(x+1)/(x^2-4\*x+1) ogf]  
A242727 5.53217 [ -(2\*x^6+9\*x^5+12\*x^4+17\*x^3+11\*x^2+4\*x+1)/(x^2+x+1)^2/(x-1)^5 ogf]  
A242728 10.3409 [ -(x^3-x^2-2\*x+1)/(x-1)/(x+1)/(x^2-4\*x+1) ogf]  
A242762 9.46549 [ -(2\*x^4+x^3-x^2+x+2)/(x^3-x-1)/(x-1)^2 ogf]  
A242763 11.6507 [ -(x^4+x^3+x^2+x+1)/(x^2-x+1)/(x^5+x^4+x^3-x-1) ogf]  
A242765 9.38314 [ -(35\*x^4-16\*x^3-36\*x^2-24\*x-16)/(7\*x^5+4\*x^4+12\*x^3+12\*x^2+16\*x+8) lgdegf]  
A242771 9.61759 [ -x^2\*(2\*x^2+2\*x+1)/(x+1)/(x^2+x+1)/(x-1)^3 ogf]  
A242774 12.5494 [ (x^2+2\*x+2)/(x+1)/(x^2+x+1)/(x-1)^2 ogf]  
A242850 7.21646 [ 6\*x\*(x^4+124\*x^3+390\*x^2+124\*x+1)/(x-1)^6 ogf]  
A242850 7.27976 [ -(-2\*x^4-376\*x^3-1932\*x^2-1400\*x-130)/(-x^5-123\*x^4-266\*x^3+266\*x^2+123\*x+1) lgdogf]  
A242851 5.36229 [ -(7\*x^6+2862\*x^5+20161\*x^4+20196\*x^3+2841\*x^2+14\*x-1)/(x-1)^7 ogf]  
A242852 4.68040 [ 8\*x\*(x^6+1350\*x^5+18591\*x^4+40756\*x^3+18591\*x^2+1350\*x+1)/(x-1)^8 ogf]  
A242853 3.89183 [ -(9\*x^8+40464\*x^7+1007524\*x^6+4112928\*x^5+4113054\*x^4+1007440\*x^3+40500\*x^2+1)/(x-1)^9 ogf]  
A242856 7.94725 [ -(x^4-10\*x^3+15\*x^2+92\*x+22)/(x^5-8\*x^4+19\*x^3+5\*x^2-16\*x-1) lgdogf]  
A242856 8.27163 [ -2\*(x^4-7\*x^3+12\*x^2+17\*x+1)/(x-1)^5 ogf]  
A242874 15.2405 [ -(-4\*x^2-6\*x-6)/(x^3-1) ogf\_with\_Euler\_transform]  
A242954 4.88296 [ -(x+1)\*(x^2+1)\*(2\*x^2+2\*x+1)\*(2\*x^2-2\*x+1)\*(16\*x^8+1)/(32\*x^8-1)/(32\*x^8+1) ogf]

A242963 14.7386  $[-(5*x-7)/(x^3+2*x^2-8*x+5) \text{ lgdogf}]$   
A242963 15.5728  $[-(x^2+3*x-5)/(x-1)^2 \text{ ogf}]$   
A242963 8.09177  $[-\{a(n+3)+2*a(n+2)-a(n+1), a(0) = 5, a(1) = 7, a(2) = 8\}, \text{ ogf}]$   
A242971 10.2440  $[-(x^2-x-1)*(x^3+x^2-1)/(2*x^2-1)/(x-1)^2/(x+1)^2 \text{ ogf}]$   
A242983 3.60261  $[-\{(-31*n^2-165*n-206)*a(n+1)+(58*n^2+199*n+110)*a(n+2)+(-27*n^2-50*n+8)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 1\}, \text{ ogf}]$   
A242983 7.24437  $[x*(2*x^3-17*x^2+4*x-1)/(x-1)^5 \text{ ogf}]$   
A242983 7.93431  $[-(-4*x^3+45*x^2+18*x+1)/(-2*x^4+19*x^3-21*x^2+5*x-1) \text{ lgdogf}]$   
A242985 11.3325  $[-(-80*x^2+48*x-8)/(-80*x^3+84*x^2-28*x+3) \text{ lgdogf}]$   
A242985 16.9988  $[-(10*x-3)/(4*x-1)/(2*x-1) \text{ ogf}]$   
A242985 9.53590  $[\{a(n+2)-6*a(n+1)+8*a(n), a(0) = 3, a(1) = 8\}, \text{ ogf}]$   
A243006 4.19477  $[-\{(3*n+11)*a(n+1)+(-3*n-8)*a(n+2)+(3*n+5)*a(n+3)+(-3*n-2)*a(n+4), a(0) = 0, a(1) = 1, a(2) = -1, a(3) = 7\}, \text{ ogf}]$   
A243006 7.75636  $[-x*(x^4-6*x^3-12*x^2+3*x-1)/(x-1)^2/(x^2+1)^2 \text{ ogf}]$   
A243011 5.42911  $[-(16*x^6+58*x^5+87*x^4+105*x^3+66*x^2+25*x+3)/(x^2+x+1)^2/(x-1)^5 \text{ ogf}]$   
A243014 10.0913  $[-(x^3-x^2-1)/(-x^3+2*x^2-2*x+1) \text{ lgdegf}]$   
A243020 9.13523  $[[2] \text{ ogf\_with\_Euler\_transform}]$   
A243027 10.9304  $[-(9*x^2+8*x+12)/(2*x^3+x^2+2*x-1) \text{ ogf}]$   
A243027 5.89291  $[\{a(n+3)-2*a(n+2)-a(n+1)-2*a(n), a(0) = 12, a(1) = 32, a(2) = 85\}, \text{ ogf}]$   
A243028 5.69339  $[-(14*x^5+16*x^4+36*x^3+8*x^2+10*x-13)/(3*x^3+2*x^2+3*x-1)/(x^3+x-1) \text{ ogf}]$   
A243029 3.41623  $[-(37*x^8+63*x^7+154*x^6+98*x^5+108*x^4-45*x^3-9*x^2-48*x+13)/(2*x^3+x^2+2*x-1)/(4*x^3+3*x^2+4*x-1)/(x^3+x-1) \text{ ogf}]$   
A243038 9.38074  $[-(5*x^3+7*x^2+3*x-13)/(x-1)/(x^3+2*x^2+2*x-1) \text{ ogf}]$   
A243039 5.04090  $[-(5*x^6+17*x^5+22*x^4-5*x^3-25*x^2-24*x+14)/(x-1)/(x^3+3*x^2+3*x-1)/(x^3+x^2+x-1) \text{ ogf}]$   
A243094 9.50228  $[(x^4+2*x^3-2*x^2-x-1)/(x^4+3*x^3+x^2+x-1) \text{ ogf}]$   
A243099 9.36390  $[-x^3*(x^4+x+1)/(x-1)^3/(x+1)^3 \text{ ogf}]$   
A243105 5.30919  
 $[149351094129551342786091/14*x^15*\exp(74653565779881276451418099997990/165945660$   
 $14394593642899*x^5) \text{ ogf\_with\_Euler\_transform}]$   
A243107 11.4968  $[-(-x^3-2*x^2+2*x+2)/(2*x^2-2) \text{ lgdegf}]$   
A243107 3.36492  $[-\{(2*n+10)*a(n+5)-2*a(n+4)+(-8-2*n)*a(n+3)+2*a(n+2)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2/3, a(4) = 13/24\}, \text{ egf}]$   
A243131 6.28771  $[x*(x^4+356*x^3+1206*x^2+356*x+1)/(x-1)^6 \text{ ogf}]$   
A243132 5.24030  $[-(x^6+1344*x^5+10165*x^4+10200*x^3+1323*x^2+8*x-1)/(x-1)^7 \text{ ogf}]$   
A243133 4.34294  $[x*(x^6+5034*x^5+73935*x^4+164620*x^3+73935*x^2+5034*x+1)/(x-1)^8 \text{ ogf}]$   
A243134 3.74095  $[-(x^8+18808*x^7+496540*x^6+2065096*x^5+2065222*x^4+496456*x^3+18844*x^2-8*x+1)/(x-1)^9 \text{ ogf}]$   
A243138 12.8291  $[-(-x^2-22*x+29)/(-x^3-9*x^2+23*x-13) \text{ lgdogf}]$   
A243138 13.8473  $[(x^2+10*x-13)/(x-1)^3 \text{ ogf}]$   
A243138 7.58591  $[\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 13, a(1) = 29, a(2) = 47\}, \text{ ogf}]$   
A243142 5.83602  $[x*(2*x^5-5*x^4+x^3-8*x^2-7*x-3)/(x+1)^3/(x-1)^7 \text{ ogf}]$   
A243157 16.8128  $[-(-x^2+x)/(x^3+x-1) \text{ revogf}]$   
A243201 8.41412  $[-(-x^4-36*x^3-162*x^2-140*x-21)/(-x^5-15*x^4-22*x^3+22*x^2+15*x+1) \text{ lgdogf}]$   
A243201 9.10099  $[-(x^4+16*x^3+38*x^2+16*x+1)/(x-1)^5 \text{ ogf}]$   
A243206 5.28816  $[4*x^3*(x^6-5*x^5-6*x^4+72*x^3-125*x^2-163*x-14)/(x-1)^7 \text{ ogf}]$   
A243208 5.38231  $[x*(x^7-2*x^6-x^5-14*x^4-13*x^3-17*x^2-11*x-3)/(x^2+x+1)/(x+1)^3/(x-1)^7 \text{ ogf}]$   
A243212 7.27652  $[-x*(2*x^3-4*x^2+17*x+15)/(x+1)/(x-1)^7 \text{ ogf}]$   
A243212 7.47865  $[-(-10*x^4+12*x^3-101*x^2-214*x-107)/(-2*x^5+4*x^4-15*x^3-19*x^2+17*x+15) \text{ lgdogf}]$   
A243213 4.22443  $[(7*x^7-33*x^6-15*x^5-38*x^4-318*x^3-330*x^2-110*x-3)/(x+1)^3/(x-1)^9 \text{ ogf}]$

A243215 3.57289 [ -  
 $x^3*(6*x^9-14*x^8-155*x^7+474*x^6+1267*x^5-7976*x^4+13539*x^3+17290*x^2+2431*x+18)/(x-1)^9$  ogf]  
A243228 5.94733 [  $(x^2-5*x+3)*(x^2+x-1)/(x^3+3*x^2-4*x+1)/(2*x-1)^2/(x-1)^3$  ogf]  
A243255 8.98840 [  $-(-x^2+x)/(-x^4+2*x^3-x-1)$  revogf]  
A243359 4.73911 [  $-(5*x^8-2*x^7+6*x^6-4*x^5+6*x^4-2*x^3+5*x^2+1)/(x-1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A243369 27.7163 [[2] ogf\_with\_Euler\_transform]  
A243383 8.14906 [  $-(5*x^3-8*x^2+17*x-13)/(x-1)/(x^3-x^2+3*x-1)$  ogf]  
A243384 4.86703 [  $-(5*x^6-13*x^5+40*x^4-59*x^3+67*x^2-53*x+14)/(x-1)/(x^3-x^2+4*x-1)/(x^3-x^2+2*x-1)$  ogf]  
A243399 13.0645 [  $-(-2*x-19)/(-x^2-19*x+1)$  lgdogf]  
A243399 19.2125 [  $-1/(x^2+19*x-1)$  ogf]  
A243399 7.77648 [  $\{-a(n+2)+19*a(n+1)+a(n), a(0) = 1, a(1) = 19\}$ , ogf]  
A243427 14.7522 [  $(x-2)^2/(x-1)^2$  ogf]  
A243427 21.7186 [  $-2/(-x^2+3*x-2)$  lgdogf]  
A243427 7.66538 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 4, a(1) = 4, a(2) = 5\}$ , ogf]  
A243456 8.61444 [  $-(50*x^4-39*x^2+8)/(2*x^2-1)^3$  ogf]  
A243464 4.27379 [  $\{(13466*n^2+43953*n)*a(n)+(6028*n^2+73934*n+123208)*a(n+1)+(-19494*n^2+13953*n)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 3\}$ , ogf]  
A243464 7.94321 [  $x^2*(43*x^3-137*x^2-95*x-3)/(x-1)^5$  ogf]  
A243464 8.54759 [  $-(-86*x^3+282*x^2+654*x+110)/(-43*x^4+180*x^3-42*x^2-92*x-3)$  lgdogf]  
A243465 4.98741 [  $2*x^3*(15*x^6-167*x^5+320*x^4+686*x^3-2789*x^2-1815*x-90)/(x-1)^7$  ogf]  
A243469 13.0886 [  $-(x^2-2*x-1)/(x^4-16*x^2+1)$  ogf]  
A243470 13.5380 [  $-(x^2-7*x-1)/(x^4-16*x^2+1)$  ogf]  
A243470 6.54335 [  $-(2*x^5-21*x^4-4*x^3+112*x^2+30*x+7)/(x^6-7*x^5-17*x^4+112*x^3+17*x^2-7*x-1)$  lgdogf]  
A243513 10.2473 [  $-(6*x^2-10*x+3)/(3*x-1)/(x-1)^2$  ogf]  
A243513 5.62239 [  $\{a(n+3)-5*a(n+2)+7*a(n+1)-3*a(n), a(0) = 3, a(1) = 5, a(2) = 10\}$ , ogf]  
A243513 7.30264 [  $-(-18*x^3+42*x^2-25*x+5)/(-18*x^4+54*x^3-55*x^2+22*x-3)$  lgdogf]  
A243514 3.28262 [  $\{(-8*n-48)*a(n+1)+(14*n+76)*a(n+2)+(-7*n-36)*a(n+3)+(n+5)*a(n+4), a(0) = 3, a(1) = 5, a(2) = 10, a(3) = 25\}$ , ogf]  
A243514 8.08645 [  $-(16*x^3-33*x^2+19*x-3)/(4*x-1)/(2*x-1)/(x-1)^2$  ogf]  
A243515 5.70361 [  $-(60*x^4-141*x^3+106*x^2-31*x+3)/(3*x-1)/(2*x-1)/(5*x-1)/(x-1)^2$  ogf]  
A243516 4.83692 [  $-(288*x^5-739*x^4+655*x^3-258*x^2+46*x-3)/(6*x-1)/(3*x-1)/(2*x-1)/(4*x-1)/(x-1)^2$  ogf]  
A243517 4.03420 [  $-(1680*x^6-4607*x^5+4579*x^4-2175*x^3+531*x^2-64*x+3)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)/(x-1)^2$  ogf]  
A243518 3.43730 [ -  
 $(11520*x^7-33305*x^6+36095*x^5-19574*x^4+5849*x^3-976*x^2+85*x-3)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(8*x-1)/(5*x-1)/(x-1)^2$  ogf]  
A243520 12.5030 [  $-(-6*x^2-27*x-11)/(-3*x^3-8*x^2+3*x+8)$  lgdogf]  
A243520 14.4771 [  $x*(3*x+8)/(x+1)/(x-1)^2$  ogf]  
A243520 7.36783 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 11\}$ , ogf]  
A243577 6.65729 [  $-(15*x^6-30*x^5+45*x^4-60*x^3+69*x^2-46*x+39)/(x^2+1)^2/(x-1)^3$  ogf]  
A243578 11.0409 [  $-(15*x^2+178*x+191)/(15*x^3+59*x^2-35*x-39)$  lgdogf]  
A243578 12.5935 [  $-(3*x+13)*(5*x+3)/(x-1)^3$  ogf]  
A243578 6.88874 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 39, a(1) = 191, a(2) = 471\}$ , ogf]  
A243579 15.0605 [  $-(-15*x^2-114*x-255)/(-15*x^3-27*x^2-29*x+71)$  lgdogf]  
A243579 17.1784 [  $-(15*x^2+42*x+71)/(x-1)^3$  ogf]  
A243579 9.39675 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 71, a(1) = 255, a(2) = 567\}$ , ogf]  
A243580 15.2697 [  $-(-15*x^2-82*x-287)/(-15*x^3-11*x^2-61*x+87)$  lgdogf]  
A243580 17.1784 [  $-(15*x^2+26*x+87)/(x-1)^3$  ogf]

A243580 9.39675 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 87, a(1) = 287, a(2) = 615\}$ , ogf]  
A243581 10.9994 [ $-(15x^2-6x+119)/(x-1)^3$  ogf]  
A243581 5.96575 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 119, a(1) = 351, a(2) = 711\}$ , ogf]  
A243581 9.51296 [ $(-(-15x^2-18x-351)/(-15x^3+21x^2-125x+119)$  lgdogf]  
A243600 7.05414 [ $-(2x^4+7x^3-2x^2-10x+4)/(x-1)/(x^2+x-1)/(x^2+3x-1)$  ogf]  
A243601 4.65573 [ $-(2x^6+13x^5+15x^4-24x^3-21x^2+22x-4)/(x-1)/(x^2+x-1)/(x^2+2x-1)/(x^2+4x-1)$  ogf]  
A243602 3.80609 [ $-(2x^8+21x^7+63x^6+18x^5-129x^4-31x^3+101x^2-38x+4)/(x-1)/(x^2+2x-1)/(x^2+3x-1)/(x^2+5x-1)/(x^2+x-1)$  ogf]  
A243626 11.7097 [ $(-(-x^2+x)/(-2x^2-3x-1)$  revogf]  
A243626 3.60298 [ $\{-2a(n)n+(19n+30)a(n+1)+(8n+9)a(n+2)+(-n-3)a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A243632 8.18216 [ $(-(-4x^4+6x^3-4x^2+x)/(-x^2+2x-1)$  revogf]  
A243633 5.04879 [ $\{a(n+4)-5a(n+3)+8a(n+2)-5a(n+1), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 8\}$ , ogf]  
A243633 9.65855 [ $(2x-1)(2x^2-2x+1)/(5x^3-8x^2+5x-1)$  ogf]  
A243635 5.88269 [ $-(12x^5+20x^4-30x^3-14x^2+19x-4)/(x-1)/(3x-1)/(2x-1)/(x+1)/(x^2+2x-1)$  ogf]  
A243636 4.11992 [ $(- (32x^7+80x^6-51x^5-126x^4+59x^3+40x^2-27x+4)/(2x-1)/(x-1)/(4x^2+2x-1)/(2x^2+2x-1)/(x^2+2x-1)$  ogf]  
A243645 4.29385 [ $\{(34n^2+31n)a(n+1)+(-134n^2-218n-108)a(n+2)+(100n^2-77n)a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A243645 8.31933 [ $x^3(x^3+3x^2-15x-1)/(x-1)^5$  ogf]  
A243645 9.39595 [ $(- (2x^3-12x^2+54x+20)/(-x^4-2x^3+18x^2-14x-1)$  lgdogf]  
A243646 5.90521 [ $x^4(x^5-27x^4+90x^3-54x^2-119x-11)/(x-1)^7$  ogf]  
A243647 3.96359 [ $x^4(9x^8-102x^7+253x^6+179x^5-1340x^4+916x^3+1597x^2+167x+1)/(x-1)^9$  ogf]  
A243659 12.7761 [ $-x/(-2x^4-7x^3-9x^2-5x-1)$  revogf]  
A243717 7.49528 [ $(x^6-3x^4-5x^3-3x-2)/(x+1)^3/(x-1)^5$  ogf]  
A243718 3.54376 [ $(3x^{12}-9x^{11}-11x^{10}+32x^9+16x^8-18x^7+3x^6-74x^5-86x^4-77x^3-12x^2-6x-1)/(x+1)^4/(x-1)^7$  ogf]  
A243722 5.00732 [ $\{a(n+4)-2a(n+3)-3a(n+2)+4a(n+1)+3a(n), a(0) = 3, a(1) = 6, a(2) = 12, a(3) = 25\}$  ogf]  
A243722 9.87745 [ $(- (5x^3+9x^2-3)/(3x^2+x-1)/(x^2+x-1)$  ogf]  
A243723 7.90748 [ $(- (13x^4+16x^3-12x^2-6x+3)/(2x-1)/(4x^2+x-1)/(x^2+x-1)$  ogf]  
A243724 5.62101 [ $(- (49x^6+74x^5-42x^4-52x^3+18x^2+9x-3)/(2x-1)/(5x^2+x-1)/(x^2+x-1)/(3x^2+x-1)$  ogf]  
A243725 4.12204 [ $(- (235x^8+406x^7-176x^6-370x^5+77x^4+115x^3-24x^2-12x+3)/(3x-1)/(2x+1)/(2x-1)/(3x^2+x-1)/(4x^2+x-1)/(x^2+x-1)$  ogf]  
A243735 5.17981 [ $(x-1)(2x^5+4x^4-3x^3+2x-1)/(2x-1)/(2x^2-2x+1)/(x^2+x-1)$  ogf]  
A243736 7.71163 [ $(x-1)(4x^5+4x^4-4x^3+x^2+2x-1)/(2x^2+2x-1)/(2x^2-2x+1)/(x^2+x-1)$  ogf]  
A243747 10.7366 [ $(- (2x^3-2x^2+2)/(x^4+1)$  ogf\_with\_Euler\_transform]  
A243760 9.40517 [ $(- (2x^3+x^2-x)/(4x^4+4x^2+1)$  revogf]  
A243762 10.2366 [ $(- (27x^3-71x^2+7x-5)/(-27x^4+32x^3-6x^2+1)$  lgdogf]  
A243762 10.4991 [ $(27x^3-5x^2+x+1)/(x-1)^4$  ogf]  
A243762 4.19965 [ $\{(n^2+1301n+2598)a(n+1)+(-362n^2-3544n-2430)a(n+2)+(361n^2+1163n+240)a(n+3), a(0) = 1, a(1) = 5, a(2) = 9\}$ , ogf]  
A243763 13.5417 [ $(- (-7x^2-x-6)/(x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A243814 8.49980 [ $(- (x^3+2x^2+x)/(-x^4-4x^3-5x^2-4x-1)$  revogf]  
A243821 5.31496 [ $(- (x^9-x^8-x^7-x^5-3x^3-x-2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^3-1)$  ogf]  
A243860 11.9606 [ $(6x^3-4x^2-x+1)/(x-1)^3/(2x-1)$  ogf]  
A243860 9.02907 [ $(- (12x^4+8x^3-28x^2+18x-4)/(12x^5-26x^4+16x^3+x^2-4x+1)$  lgdogf]

A243869 15.0667 [  $-1/(x-1)/(3x-1)/(2x-1)/(x+1)$  ogf]  
A243869 8.89480 [  $-(24x^3-15x^2-10x+5)/(6x^4-5x^3-5x^2+5x-1)$  lgdogf]  
A243883 4.62627 [  $-(x^{11}+5x^{10}+x^9+13x^8+2x^7+14x^6+2x^5+14x^4+5x^3+13x^2+x+5)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
A243903 21.7579 [[2] ogf\_with\_Euler\_transform]  
A243938 10.5004 [  $-(8x^3+6x^2+4x+2)/(-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A243939 9.96384 [  $-(-8x^4-10x^3-10x^2-10x-10)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A243953 15.6595 [  $2/(1+(1-4x)^{1/2})$  lgdegf]  
A243953 3.14620 [  $\{(56+28n)a(n+1)+(28n^2+74n+44)a(n+2)+(4n^2+15n+10)a(n+3)+(-n-4)a(n+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 8\}$ , ogf]  
A243953 35.6334 [  $2/(1+(1-4x)^{1/2})$  lgdegf]  
A243989 7.47343 [  $(x^{14}-x^{13}+2x^6+2x^5+x^4+2x^3+x^2+2x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A244038 5.71509 [  $\{(108n^2+432n+420)a(n+1)+(-n^2-5n-6)a(n+3), a(0) = 1, a(1) = 6, a(2) = 48\}$ , ogf]  
A244062 9.23504 [  $-1/2*(-2x+1+(-8x^3+16x^2-8x+1)^{1/2})/(2x-1)x$  revogf]  
A244082 13.9102 [  $-32x*(x+1)/(x-1)^3$  ogf]  
A244082 18.6522 [  $-(2x+4)/(x^2-1)$  lgdogf]  
A244082 38.8210 [[4-x] ogf\_with\_Euler\_transform]  
A244082 7.19911 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 32, a(2) = 128\}$ , ogf]  
A244151 14.2087 [  $(x^5+3x^3-x^2+x+2)/(x+1)/(x-1)^2$  ogf]  
A244151 9.04190 [  $-(-2x^6+x^5+5x^4+2x^3+10x^2+5x+3)/(x^7+2x^5-x^4-2x^3+3x^2-x-2)$  lgdogf]  
A244156 8.33902 [  $-(10x^{27}-10x^{26}+10x^{23}-10x^{22}+10x^{15}-10x^4+9x-10)/(x-1)^2$  ogf]  
A244177 5.58231 [  $-(27x^5+50x^4+85x^3+84x^2+70x+38)/(2x^6+3x^5+5x^4+4x^3+3x^2+x-1)$  ogf]  
A244213 11.3110 [  $-(5x^2-x-2)/(x+1)/(x^2-x-1)$  ogf]  
A244213 6.37746 [  $\{a(n+3)+2a(n+2)-a(n), a(0) = -2, a(1) = 3, a(2) = -1\}$ , ogf]  
A244218 6.10348 [  $x*(x^{11}+x^{10}+x^9+x^8+2x^7+x^6+x^5+x^4+2x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A244219 6.07356 [  $x*(x^{11}+x^{10}+x^9+2x^8+x^7+x^6+x^5+2x^4+x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A244221 15.1209 [  $-x^{13}*(x-1)+x*(x^3-x^2+1)$  ogf\_with\_Euler\_transform]  
A244224 8.25276 [  $(x^{12}+x^{10}+x^9+x^7+x^5+x^4+x^2+1)/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A244225 16.6303 [  $-x^{13}*(x-1)+x^4-x^3+x+1$  ogf\_with\_Euler\_transform]  
A244225 9.68594 [  $x*(x^2+x+1)*(x^2+1)*(x^8-x^7+x^5-x^4+x^3-x+1)/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A244229 7.87753 [  $x^2*(x^{12}+x^{10}+x^8+x^7+x^5+x^3+x^2+1)/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A244239 8.94428 [  $-(x^6-2x^4-x^3+2x+1)/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A244240 6.11719 [  $-(x^4-x-1)*(x^8-x^5-2x^4+2x+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A244276 12.7467 [  $-(5x^3+8x^2+3x+8)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A244281 5.23036 [  $-x^2*(3x^7+2x^6+x^4-3x^3-x+1)/(x^2+x-1)/(x^3+x-1)/(x^4+x-1)/(x-1)^2$  ogf]  
A244307 7.58657 [  $x*(x^3-x+2)/(x+1)^2/(x-1)^6$  ogf]  
A244307 9.03569 [  $-(-5x^4-4x^3+4x^2-12x-7)/(-x^5+2x^3-2x^2-x+2)$  lgdogf]  
A244309 6.86416 [  $2x^3*(x^2-x+2)/(x+1)/(x^2-3x+1)/(x^2+4x-1)/(x^2-x-1)$  ogf]  
A244310 5.58427 [  $2*(x^6-8x^5+17x^4+23x^3+5x^2-10x+2)/(x+1)/(x^2-3x+1)/(x^2+4x-1)/(x^2-x-1)$  ogf]  
A244328 12.8120 [  $x^2*(x^4-x^3+2x^2-3)/(x-1)$  ogf]  
A244331 6.25831 [  $-x*(2x^2-x+1)/(2x-1)/(x-1)^2$  ogf]  
A244346 10.7571 [  $(2x^4-11x^3+3x^2+x-4)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A244352 5.71219 [  $4x^2*(3x^3-4x^2+8x+1)/(x+1)/(x^2-6x+1)/(x^2+14x-1)/(x^2-2x-1)$  ogf]

A2444364 6.26571 [  $-(284x^6-334x^5+78x^4-35x^3+4x^2+5x-3)/(2x-1)/(x-1)$  ogf ]  
A2444366 6.96259 [  $(-4x^9+x^8+x^7-2x^6+x^5-2x^4-x^3+2x^2-x-1)/(x^{10}+x^5+1)$  ogf\_with\_Euler\_transform ]  
A244375 5.62381 [  $(-2x^8+3x^7-5x^6+2x^4-2x^3-2x^2+5x-3)/(x^9+x^6+x^3+1)$  ogf\_with\_Euler\_transform ]  
A244430 21.0362 [  $-1/(x^2+x-1)$  lgdegf ]  
A244430 6.41784 [  $\{(n^2+n)a(n)+(n+2)a(n+1)-a(n+2), a(0) = 1, a(1) = 1\}$ , ogf ]  
A244432 18.9729 [  $-1/(x^2+2x-1)$  lgdegf ]  
A244432 5.78836 [  $\{(-n^2-n)a(n)+(-2n-3)a(n+1)+a(n+2), a(0) = 1, a(1) = 1\}$ , ogf ]  
A244451 19.5555 [  $-1/(-x^2+3x-1)$  lgdegf ]  
A244451 5.96608 [  $\{(-n^2-n)a(n)+(3n+4)a(n+1)-a(n+2), a(0) = 1, a(1) = 1\}$ , ogf ]  
A244465 7.54018 [  $-(x^7+x^4+x^2)/(-x^8+1)$  ogf\_with\_Euler\_transform ]  
A244469 7.03440 [  $1/8*(3+(432x^4+864x^3+576x^2+160x+25)^{1/2})/(27x^3+27x^2+9x+1)*x$  revogf ]  
A244470 9.20625 [  $-(2x^8+x^5+2x^4+2x^2+x+1)/(x^2+x-1)/(x^4-x^3+2x^2+x+1)$  ogf ]  
A244472 10.7804 [  $-(x^4+x^3+x^2+x+1)/(x^2+x-1)$  ogf ]  
A244472 5.85709 [  $\{-a(n+5)+a(n+4)+a(n+3), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7, a(4) = 12\}$ , ogf ]  
A244473 8.27017 [  $-(x^7+x^6+x^5+2x^4+3x^3+x^2+2x+1)/(x^2+x-1)$  ogf ]  
A244477 11.3608 [  $(2x^5+x^4-3x^3+x^2+2x+3)/(x-1)^2/(x^2+x+1)^2$  ogf ]  
A244488 4.48344 [  $(x^{10}+x^8+3x^7+4x^6+4x^5+4x^4+3x^3+x^2+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^4$  ogf ]  
A244495 5.05095 [  $(x^6+24x^5+156x^4+280x^3+156x^2+24x+1)/(x-1)^{10}$  ogf ]  
A244497 12.1253 [  $(-3x^3-20x^2-26x-11)/(-x^4-3x^3+3x+1)$  lgdogf ]  
A244497 8.26725 [  $(x^2+3x+1)^2/(x+1)/(x-1)^6$  ogf ]  
A244498 5.05095 [  $(x^2+20x+1)*(x^2+4x+1)*(x+1)^2/(x-1)^{10}$  ogf ]  
A244498 7.36240 [  $(-4x^5-132x^4-784x^3-1224x^2-460x-36)/(-x^6-24x^5-81x^4+81x^2+24x+1)$  lgdogf ]  
A244501 5.71929 [  $-(6x^7-17x^6+14x^5-6x^4-4x^3+20x^2+x+1)/(x-1)^7$  ogf ]  
A244502 4.43669 [  $(10x^9-30x^8+130x^6-333x^5+444x^4-236x^3+24x^2-81x-33)/(x-1)^9$  ogf ]  
A244525 8.10925 [  $(-x^7-x^6-1)/(x^8-1)$  ogf\_with\_Euler\_transform ]  
A244526 9.07158 [  $(-2x^7+2x^4+2x^2)/(-x^8+1)$  ogf\_with\_Euler\_transform ]  
A244540 5.59555 [  $(-2x^6+x^5-2x^4-x^3-x^2-3)/(x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform ]  
A244543 8.72564 [  $(-2x^5-x^4+2x+1)/(-x^6-x^4-x^2-1)$  ogf\_with\_Euler\_transform ]  
A244544 12.7747 [  $(-2x^3-2x^2+2)/(-x^4-1)$  ogf\_with\_Euler\_transform ]  
A244550 8.67588 [  $(20700x^6-6x^5+1090x^4-20769x^3-5x^2-1093x-2)/(x-1)/(x^2+x+1)$  ogf ]  
A244553 7.98370 [  $(-2x^5-x^4-2x+1)/(x^6+x^4+x^2+1)$  ogf\_with\_Euler\_transform ]  
A244554 4.72606 [  $(-2x^6+x^5+4x^4+x^3+x^2-2x+1)/(-x^7-x^6-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform ]  
A244560 9.75623 [  $(-2x^7-2x^6-2)/(x^8-1)$  ogf\_with\_Euler\_transform ]  
A244581 6.83374 [  $x*(x^8+2x^8+30x^9+25x^8+20x^7+16x^6+12x^5+9x^4+6x^3+4x^2+2x+1)/(3x^8+2x^8-30x^{11}+35x^{10}-x^8-x^6-x^4-x^2-1)$  ogf ]  
A244584 14.4582 [  $(x^4+3)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A244586 10.1001 [  $(x^5-3x+4)/(x^4+1)/(x-1)^2$  ogf ]  
A244587 7.99697 [  $(x^6+x^4-3x^2+5)/(x+1)/(x^4+1)/(x-1)^2$  ogf ]  
A244588 6.31340 [  $(x^7-x^5+2x^4-3x^3+4x^2-5x+6)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf ]  
A244590 6.46839 [  $x^2*(7x^6+3x^5+4x^4+2x^3+5x^2+3x+4)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf ]  
A244600 7.96749 [  $(-x^5-x^4-x^3-x^2-x-1)/(x^7-1)$  ogf\_with\_Euler\_transform ]  
A244620 5.67604 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 3521210, a(1) = 6178458, a(2) = 13220900\}$ , ogf ]  
A244620 9.41216 [  $22*(160056x^2+120784x+160055)/(x+1)/(x-1)^2$  ogf ]  
A244630 13.2807 [  $-17x*(x+1)/(x-1)^3$  ogf ]  
A244630 17.8082 [  $(-2x+4)/(x^2-1)$  lgdogf ]

A244630 37.0645 [[4-x] ogf\_with\_Euler\_transform]  
A244630 6.93419 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 17, a(2) = 68}, ogf]  
A244631 13.4066 [-19\*x\*(x+1)/(x-1)^3 ogf]  
A244631 17.9770 [-(2\*x+4)/(x^2-1) lgdogf]  
A244631 37.4158 [[4-x] ogf\_with\_Euler\_transform]  
A244631 6.99991 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 19, a(2) = 76}, ogf]  
A244632 13.5954 [-23\*x\*(x+1)/(x-1)^3 ogf]  
A244632 18.2302 [-(2\*x+4)/(x^2-1) lgdogf]  
A244632 37.9428 [[4-x] ogf\_with\_Euler\_transform]  
A244632 7.09850 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 23, a(2) = 92}, ogf]  
A244633 13.7213 [-26\*x\*(x+1)/(x-1)^3 ogf]  
A244633 18.3990 [-(2\*x+4)/(x^2-1) lgdogf]  
A244633 38.2941 [[4-x] ogf\_with\_Euler\_transform]  
A244633 7.10139 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 26, a(2) = 104}, ogf]  
A244634 13.7213 [-27\*x\*(x+1)/(x-1)^3 ogf]  
A244634 18.3990 [-(2\*x+4)/(x^2-1) lgdogf]  
A244634 38.2941 [[4-x] ogf\_with\_Euler\_transform]  
A244634 7.10139 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 27, a(2) = 108}, ogf]  
A244635 13.8472 [-29\*x\*(x+1)/(x-1)^3 ogf]  
A244635 18.5678 [-(2\*x+4)/(x^2-1) lgdogf]  
A244635 38.6454 [[4-x] ogf\_with\_Euler\_transform]  
A244635 7.16654 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 29, a(2) = 116}, ogf]  
A244636 13.8472 [-30\*x\*(x+1)/(x-1)^3 ogf]  
A244636 18.5678 [-(2\*x+4)/(x^2-1) lgdogf]  
A244636 38.6454 [[4-x] ogf\_with\_Euler\_transform]  
A244636 7.16654 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 30, a(2) = 120}, ogf]  
A244644 11.0052 [ x\*(x^18-x^17+2\*x^2+2\*x+1)/(x^2+x+1)/(x-1)^2 ogf]  
A244650 8.81693 [-5/2/x/(x-1)^(1/2)/(5\*x-1)^(1/2)-1/2\*(8\*x-5)/(x-1)/x lgdogf]  
A244651 7.51955 [-3/2/(x-1)^(1/2)\*(1+3\*x)/x/(9\*x-1)^(1/2)-1/2\*(7\*x-3)/(x-1)/x lgdogf]  
A244663 4.81828 [{a(n+3)-111\*a(n+2)+1110\*a(n+1)-1000\*a(n), a(0) = 111, a(1) = 10111, a(2) = 1001111}, ogf]  
A244663 8.25991 [ -(2000\*x^2-2210\*x+111)/(x-1)/(100\*x-1)/(10\*x-1) ogf]  
A244694 5.70924 [ -(14\*x^6-9\*x^5+11\*x^4+4\*x^3+16\*x^2+6\*x-39)/(x-1)/(x+1)/(x^5-x^4+2\*x^3-x^2+3\*x-1) ogf]  
A244713 6.55170 [ (2\*x+1)\*(x^2+x+1)\*(x^7+x^3+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A244725 10.6178 [ 5\*x\*(x^2+4\*x+1)/(x-1)^4 ogf]  
A244725 12.0880 [-(2\*x^2+14\*x+8)/(x^3+3\*x^2-3\*x-1) lgdogf]  
A244725 3.94834 [{(n+3)\*a(n+4)+(-2+3\*n)\*a(n+3)+(-17-3\*n)\*a(n+2)+(-2-n)\*a(n+1), a(0) = 0, a(1) = 5, a(2) = 40, a(3) = 135}, ogf]  
A244726 10.7653 [ 6\*x\*(x^2+4\*x+1)/(x-1)^4 ogf]  
A244726 12.2559 [-(2\*x^2+14\*x+8)/(x^3+3\*x^2-3\*x-1) lgdogf]  
A244726 4.00318 [{(n+3)\*a(n+4)+(-2+3\*n)\*a(n+3)+(-17-3\*n)\*a(n+2)+(-2-n)\*a(n+1), a(0) = 0, a(1) = 6, a(2) = 48, a(3) = 162}, ogf]  
A244727 10.8145 [ 7\*x\*(x^2+4\*x+1)/(x-1)^4 ogf]  
A244727 12.3118 [-(2\*x^2+14\*x+8)/(x^3+3\*x^2-3\*x-1) lgdogf]  
A244727 4.02146 [{(n+3)\*a(n+4)+(-2+3\*n)\*a(n+3)+(-17-3\*n)\*a(n+2)+(-2-n)\*a(n+1), a(0) = 0, a(1) = 7, a(2) = 56, a(3) = 189}, ogf]  
A244728 10.5888 [ 9\*x\*(x^2+4\*x+1)/(x-1)^4 ogf]  
A244728 12.0549 [-(2\*x^2+14\*x+8)/(x^3+3\*x^2-3\*x-1) lgdogf]  
A244728 3.93754 [{(n+3)\*a(n+4)+(-2+3\*n)\*a(n+3)+(-17-3\*n)\*a(n+2)+(-2-n)\*a(n+1), a(0) = 0, a(1) = 9, a(2) = 72, a(3) = 243}, ogf]  
A244729 10.4527 [ 10\*x\*(x^2+4\*x+1)/(x-1)^4 ogf]



A244729 12.2216  $[-(2*x^2+14*x+8)/(x^3+3*x^2-3*x-1) \text{ lgdogf}]$   
A244729 3.97201  $[\{(n+3)*a(n+4)+(-2+3*n)*a(n+3)+(-17-3*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 10, a(2) = 80, a(3) = 270\}, \text{ ogf}]$   
A244730 10.2043  $[-(2*x^3+36*x^2+66*x+16)/(x^4+10*x^3-10*x-1) \text{ lgdogf}]$   
A244730 4.36518  $[\{(-4*n^2-17*n-18)*a(n+1)+(8*n^2+32*n+72)*a(n+2)+(-4*n^2-15*n-14)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 32\}, \text{ ogf}]$   
A244730 8.44873  $[-2*x*(x+1)*(x^2+10*x+1)/(x-1)^5 \text{ ogf}]$   
A244749 10.3943  $[(7*x^5+14*x^4+6*x^3-5*x^2-7*x-2)/(x+1)/(3*x^2-1) \text{ ogf}]$   
A244750 5.19667  $[x*(2*x^2+x-2)/(2*x-1) \text{ ogf}]$   
A244762 11.4745  $[-(6*x^3-6*x^2+7*x-3)/(6*x^4-14*x^3+13*x^2-6*x+1) \text{ lgdogf}]$   
A244762 15.4248  $[-(2*x^2-2*x+1)/(3*x-1)/(x-1)^2 \text{ ogf}]$   
A244762 8.32666  $[\{a(n+3)-5*a(n+2)+7*a(n+1)-3*a(n), a(0) = 1, a(1) = 3, a(2) = 10\}, \text{ ogf}]$   
A244802 13.7020  $[-(-16*x^2-46*x-10)/(-16*x^3+9*x^2+6*x+1) \text{ lgdogf}]$   
A244802 15.0280  $[-(16*x^2+7*x+1)/(x-1)^3 \text{ ogf}]$   
A244802 8.17312  $[\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 10, a(2) = 43\}, \text{ ogf}]$   
A244803 13.7020  $[-(14*x^2+46*x+12)/(14*x^3-5*x^2-8*x-1) \text{ lgdogf}]$   
A244803 15.0280  $[-(2*x+1)*(7*x+1)/(x-1)^3 \text{ ogf}]$   
A244803 8.17312  $[\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 12, a(2) = 47\}, \text{ ogf}]$   
A244804 13.5034  $[-(12*x^2+46*x+14)/(12*x^3-x^2-10*x-1) \text{ lgdogf}]$   
A244804 14.7895  $[-(12*x^2+11*x+1)/(x-1)^3 \text{ ogf}]$   
A244804 8.17312  $[\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 14, a(2) = 51\}, \text{ ogf}]$   
A244805 13.5592  $[-(10*x^2+46*x+16)/(10*x^3+3*x^2-12*x-1) \text{ lgdogf}]$   
A244805 14.8506  $[-(10*x^2+13*x+1)/(x-1)^3 \text{ ogf}]$   
A244805 8.20689  $[\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 16, a(2) = 55\}, \text{ ogf}]$   
A244806 13.9640  $[-(8*x^2+46*x+18)/(8*x^3+7*x^2-14*x-1) \text{ lgdogf}]$   
A244806 15.0901  $[-(8*x^2+15*x+1)/(x-1)^3 \text{ ogf}]$   
A244806 8.20689  $[\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 18, a(2) = 59\}, \text{ ogf}]$   
A244842 12.0859  $[-99*x/(x-1)/(100*x-1)/(10*x-1) \text{ ogf}]$   
A244842 5.26323  $[\{a(n+3)-111*a(n+2)+1110*a(n+1)-1000*a(n), a(0) = 0, a(1) = 99, a(2) = 10989\}, \text{ ogf}]$   
A244842 8.15800  $[-(3000*x^2-2220*x+111)/(1000*x^3-1110*x^2+111*x-1) \text{ lgdogf}]$   
A244845 4.26854  $[\{-a(n+3)+111*a(n+2)-1110*a(n+1)+1000*a(n), a(0) = 111, a(1) = 101111, a(2) = 11011111\}, \text{ ogf}]$   
A244845 7.24030  $[(89000*x^2-88790*x-111)/(x-1)/(100*x-1)/(10*x-1) \text{ ogf}]$   
A244855 8.33756  $[x^2*(x^2-5*x-15)/(x-1)/(x^2+3*x+1)/(x^2-7*x+1) \text{ ogf}]$   
A244864 12.0768  $[-(3*x^3+19*x^2+28*x+10)/(x^4+3*x^3-3*x-1) \text{ lgdogf}]$   
A244864 5.03200  $[\{(n^2+3*n-4)*a(n+1)+(-2*n^2-14*n-80)*a(n+2)+(n^2+11*n+24)*a(n+3), a(0) = 1, a(1) = 10, a(2) = 49\}, \text{ ogf}]$   
A244864 9.43500  $[(x+1)*(x^2+3*x+1)/(x-1)^6 \text{ ogf}]$   
A244865 3.88466  $[\{(n^2+8*n+15)*a(n+1)+(-n^2-10*n-66)*a(n+2)+(-n^2-8*n-57)*a(n+3)+(n^2+10*n+24)*a(n+4), a(0) = 1, a(1) = 14, a(2) = 85, a(3) = 336\}, \text{ ogf}]$   
A244865 8.11007  $[-(x^4+8*x^3+15*x^2+8*x+1)/(x+1)/(x-1)^7 \text{ ogf}]$   
A244865 8.18184  $[-(4*x^5+46*x^4+142*x^3+170*x^2+86*x+14)/(x^6+8*x^5+14*x^4-14*x^2-8*x-1) \text{ lgdogf}]$   
A244866 10.7913  $[-(12*x^3+96*x^2+102*x+18)/(4*x^4+17*x^3-9*x^2-11*x-1) \text{ lgdogf}]$   
A244866 4.78999  $[\{(-353*n^2-2761*n-5396)*a(n+1)+(288*n^2+324*n-900)*a(n+2)+(65*n^2+347*n+456)*a(n+3), a(0) = 1, a(1) = 18, a(2) = 114\}, \text{ ogf}]$   
A244866 9.57999  $[(4*x^3+21*x^2+12*x+1)/(x-1)^6 \text{ ogf}]$   
A244867 7.23646  $[(6*x^4+64*x^3+92*x^2+24*x+1)/(x-1)^8 \text{ ogf}]$   
A244867 8.37554  $[-(-24*x^4-344*x^3-744*x^2-352*x-32)/(-6*x^5-58*x^4-28*x^3+68*x^2+23*x+1) \text{ lgdogf}]$   
A244868 8.70762  $[(x^2+3*x+1)*(x^2+13*x+1)/(x-1)^6 \text{ ogf}]$   
A244868 8.78976  $[-(-2*x^4-52*x^3-212*x^2-162*x-22)/(-x^5-15*x^4-25*x^3+25*x^2+15*x+1) \text{ lgdogf}]$   
A244869 8.46988  $[(x^4+4*x^3+7*x^2+4*x+1)/(x+1)/(x-1)^6 \text{ ogf}]$

A2444869 8.54831 [  $-(3*x^5+21*x^4+59*x^3+71*x^2+41*x+9)/(x^6+4*x^5+6*x^4-6*x^2-4*x-1)$  lgdogf]  
A2444870 7.11070 [  $(x^4+3*x^3+6*x^2+3*x+1)/(x+1)/(x-1)^6$  ogf]  
A2444870 7.17654 [  $-(3*x^5+17*x^4+49*x^3+57*x^2+34*x+8)/(x^6+3*x^5+5*x^4-5*x^2-3*x-1)$  lgdogf]  
A2444871 6.07855 [  $-(x^2+3*x+1)*(x^4+2*x^3+6*x^2+2*x+1)/(x+1)^2/(x-1)^7$  ogf]  
A2444872 5.37992 [  $(x^6+8*x^5+29*x^4+43*x^3+29*x^2+8*x+1)/(x+1)/(x-1)^8$  ogf]  
A2444873 5.56085 [  $(x^6+22*x^5+106*x^4+169*x^3+106*x^2+22*x+1)/(x+1)/(x-1)^8$  ogf]  
A2444874 5.39950 [  $(x^6+10*x^5+38*x^4+60*x^3+38*x^2+10*x+1)/(x+1)/(x-1)^8$  ogf]  
A2444875 5.21368 [  $(x^6+14*x^5+52*x^4+77*x^3+52*x^2+14*x+1)/(x+1)/(x-1)^8$  ogf]  
A2444876 4.34246 [  $(x^8+13*x^7+71*x^6+174*x^5+238*x^4+174*x^3+71*x^2+13*x+1)/(x+1)^3/(x-1)^8$  ogf]  
A2444878 4.96175 [  $(x^6+6*x^5+30*x^4+40*x^3+30*x^2+6*x+1)/(x+1)/(x-1)^{10}$  ogf]  
A2444879 6.90160 [  $-(x^4+11*x^3+24*x^2+11*x+1)/(x-1)^7$  ogf]  
A2444879 7.55270 [  $-(3*x^4-48*x^3-153*x^2-114*x-18)/(-x^5-10*x^4-13*x^3+13*x^2+10*x+1)$  lgdogf]  
A2444880 5.44773 [  $-(x^2+6*x+1)*(x^4+32*x^3+70*x^2+32*x+1)/(x-1)^9$  ogf]  
A2444881 5.74422 [  $(x+1)*(x^4+25*x^3+84*x^2+25*x+1)/(x-1)^8$  ogf]  
A2444882 13.9569 [  $-(-8*x^2-14*x-8)/(-2*x^3+x+1)$  lgdogf]  
A2444882 4.30022 [  $\{( -n-4)*a(n+4)+(5-n)*a(n+3)+14*a(n+2)+(10+2*n)*a(n+1), a(0) = 1, a(1) = 8, a(2) = 35, a(3) = 110\}$ , ogf]  
A2444882 9.04024 [  $(2*x^2+2*x+1)/(x-1)^6$  ogf]  
A2444883 6.47712 [  $(x^4+8*x^3+16*x^2+6*x+1)/(x-1)^8$  ogf]  
A2444883 7.81065 [  $-(4*x^4+44*x^3+120*x^2+74*x+14)/(x^5+7*x^4+8*x^3-10*x^2-5*x-1)$  lgdogf]  
A2444885 3.94751 [  $\{-2*a(n)*n+(7*n-1)*a(n+1)+(-5*n+3)*a(n+2)+(n-1)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5, a(4) = 14\}$ , ogf]  
A2444885 8.65760 [  $(x-1)*(x^3-7*x^2+5*x-1)/(x^2-3*x+1)/(2*x-1)^2$  ogf]  
A2444887 6.59104 [  $\{(-4*n^2-42*n-108)*a(n+1)+(n^2+10*n+16)*a(n+2), a(0) = 2, a(1) = 20\}$ , ogf]  
A2444887 7.41492 [  $(-2/(-1+4*x)^{3/2}*(7*x^3+63*x^2-28*x+3)+6*I)/(x^2+8*x-2)/x*(-1+4*x)^{1/2}$  lgdogf]  
A2444892 10.3271 [  $-(5*x^4+2*x^3+5*x^2+2*x+5)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A2444893 11.7765 [  $-(x+1)*(x^2+x+2)/(x-1)/(x^2+x+1)$  ogf]  
A2444893 6.99232 [  $\{-a(n+4)+a(n+1), a(0) = 2, a(1) = 3, a(2) = 2, a(3) = 3\}$ , ogf]  
A2444895 21.0563 [  $[x^4-2*x+1]$  ogf\_with\_Euler\_transform]  
A2444895 8.39010 [  $x*(x+1)^2/(x^4+x^3+x^2+x+1)$  ogf]  
A244919 16.9911 [  $-(x+2)/(x-1)$  ogf]  
A244919 17.4631 [  $-3/(x^2+x-2)$  lgdogf]  
A244919 8.73153 [  $\{a(n+2)-a(n+1), a(0) = 2, a(1) = 3\}$ , ogf]  
A244953 12.5045 [  $x*(x^2+2*x+3)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A244975 10.9742 [  $-(28*x^2+19*x-11)/(14*x^3-9*x^2-6*x+1)$  lgdogf]  
A244975 12.8663 [  $-(2*x+1)*x/(7*x-1)/(x-1)^2$  ogf]  
A244975 6.60396 [  $\{a(n+3)-9*a(n+2)+15*a(n+1)-7*a(n), a(0) = 0, a(1) = 1, a(2) = 11\}$ , ogf]  
A245019 13.3945 [  $-2*x/(4*x-1)/(3*x-1)/(5*x-1)$  ogf]  
A245019 5.59075 [  $\{a(n+3)-12*a(n+2)+47*a(n+1)-60*a(n), a(0) = 0, a(1) = 2, a(2) = 24\}$ , ogf]  
A245019 9.05544 [  $-(180*x^2-94*x+12)/(60*x^3-47*x^2+12*x-1)$  lgdogf]  
A245020 14.3197 [  $-2*x/(6*x-1)/(4*x-1)/(5*x-1)$  ogf]  
A245020 6.04884 [  $\{a(n+3)-15*a(n+2)+74*a(n+1)-120*a(n), a(0) = 0, a(1) = 2, a(2) = 30\}$ , ogf]  
A245020 9.61186 [  $-(360*x^2-148*x+15)/(120*x^3-74*x^2+15*x-1)$  lgdogf]  
A245023 15.2383 [  $-3*(8*x^2-5*x+1)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A245023 8.63056 [  $\{-a(n+3)+6*a(n+2)-11*a(n+1)+6*a(n), a(0) = 3, a(1) = 3, a(2) = 9\}$ , ogf]  
A245023 9.20050 [  $-(48*x^4-60*x^3+25*x^2-6*x+1)/(48*x^5-118*x^4+109*x^3-49*x^2+11*x-1)$  lgdogf]  
A245031 7.59631 [  $-x*(x^2+20*x+1)/(x-1)/(x^2-10*x+1)/(x^2+10*x+1)$  ogf]  
A245032 8.63894 [  $-(49*x^3+395*x^2-523*x+175)/(49*x^4+75*x^3-381*x^2+365*x-108)$  lgdogf]

A245032 9.77023 [ (49\*x^3+124\*x^2-257\*x+108)/(x-1)^4 ogf]  
A245033 8.06292 [ -(-108\*x^3+190\*x^2+142\*x-320)/(-108\*x^4+365\*x^3-381\*x^2+75\*x+49) lgdogf]  
A245033 9.21476 [ (108\*x^3-257\*x^2+124\*x+49)/(x-1)^4 ogf]  
A245066 11.3471 [hypergeom([1/3, 2/3],[1],27/2\*x), egf]  
A245066 5.32819 [ {(-27\*n^2-81\*n-60)\*a(n+1)+(2\*n+4)\*a(n+2), a(0) = 1, a(1) = 3}, ogf]  
A245070 6.28638 [ -  
(2\*x^11+2\*x^10+3\*x^9+2\*x^8+2\*x^7+4\*x^6+2\*x^5+2\*x^4+3\*x^3+2\*x^2+2\*x+3)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) ogf]  
A245086 4.91829 [ {(-27\*n^2-108\*n-105)\*a(n+1)+(-n^2-6\*n-9)\*a(n+3), a(0) = 1, a(1) = 0, a(2) = -6}, ogf]  
A245094 8.25946 [ (2\*x^8-4\*x^7-x^6+3\*x^5+3\*x^4+3\*x^3+x^2+x+1)/(x+1)/(x-1)^2 ogf]  
A245112 11.2455 [1/2\*x^2^(1/2)\*(1+(1-16\*x)^(1/2))^(1/2) revogf]  
A245112 3.63661 [ {(-12500\*n^4-100000\*n^3-290000\*n^2-360000\*n-161280)\*a(n+1)+(27\*n^4+297\*n^3+1212\*n^2+2172\*n+1440)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 18}, ogf]  
A245113 5.11037 [ {(-432\*n^3-1944\*n^2-2868\*n-1386)\*a(n+1)+(16\*n^3+96\*n^2+191\*n+126)\*a(n+2), a(0) = 1, a(1) = 2}, ogf]  
A245135 5.62377 [ -(x^7-2\*x^6-x^5+12\*x^4+21\*x^3+18\*x^2+23\*x+8)/(x+1)^3/(x-1)^5 ogf]  
A245158 6.14225 [ (11\*x^5-31\*x^4+43\*x^3-29\*x^2+9\*x-1)/(4\*x-1)/(2\*x-1)^2/(x-1)^2 ogf]  
A245159 4.03190 [ (124\*x^7-425\*x^6+710\*x^5-656\*x^4+346\*x^3-103\*x^2+16\*x-1)/(5\*x-1)/(x-1)^2/(3\*x-1)^2/(2\*x-1)^2 ogf]  
A245176 4.77480 [ {(-n-3)\*a(n+1)+(n+2)\*a(n+2)-a(n+4)+2\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8}, ogf]  
A245179 12.1938 [ -(14\*x^3+8\*x^2-11\*x-7)/(x-1)/(x+1)/(2\*x^2-1) ogf]  
A245231 10.6614 [ x\*(2\*x^6+x^5+2\*x^4+x^3+x^2+x+2)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A245288 10.0827 [ -(-8\*x^3-5\*x^2-10\*x-1)/(-2\*x^4-x^3+x^2+x+1) lgdogf]  
A245288 11.1876 [ -x^2\*(2\*x^2+x+1)/(x-1)^3/(x+1)^3 ogf]  
A245301 12.5931 [ x\*(2\*x+5)/(x-1)^4 ogf]  
A245301 16.7051 [ -(6\*x+22)/(2\*x^2+3\*x-5) lgdogf]  
A245301 5.38520 [ {(10+5\*n)\*a(n+3)+(-25-3\*n)\*a(n+2)+(-6-2\*n)\*a(n+1), a(0) = 0, a(1) = 5, a(2) = 22}, ogf]  
A245306 11.1978 [ -(2\*x^3-4\*x^2-x+1)/(x^2-3\*x+1)/(x-1)/(x+1) ogf]  
A245323 5.38479 [ 2\*(51\*x^4-622\*x^3+148\*x^2-59\*x+2)/(x^2-18\*x+1)/(x^2-7\*x+1)/(x^2-47\*x+1) ogf]  
A245332 7.97897 [ x^5\*(x^2+2\*x+2)/(x-1)/(x+1)/(x^2+x+1)/(x^3+x^2-1) ogf]  
A245336 4.42368 [ x\*(x^15+x^14+x^13+x^12+x^11+x^10+x^9+x^8-x^6-x^5-x^4-x^3-x^2-x-1)/(x+1)^2/(x^2+1)^2/(x^4+1)^2/(x-1)^3 ogf]  
A245367 13.7933 [ -(7\*x^6+5\*x^4+3\*x^2)/(x^7+x^5+x^3-1) lgdogf]  
A245367 25.5680 [ -1/(x^7+x^5+x^3-1) ogf]  
A245368 10.7093 [ -(-7\*x^6-4\*x^3-3\*x^2)/(-x^7-x^4-x^3+1) lgdogf]  
A245368 19.8514 [ -1/(x^7+x^4+x^3-1) ogf]  
A245369 14.0088 [ -(8\*x^7-5\*x^4-3\*x^2)/(-x^8-x^5-x^3+1) lgdogf]  
A245369 23.6593 [ -1/(x^2+1)/(x^6-x^4+x^3+x^2-1) ogf]  
A245370 14.2808 [ -(9\*x^8+5\*x^4+3\*x^2)/(x^9+x^5+x^3-1) lgdogf]  
A245370 26.4717 [ -1/(x^9+x^5+x^3-1) ogf]  
A245380 4.45555 [ {(-n^2-4\*n-4)\*a(n+1)+(2\*n^2+8\*n+28)\*a(n+2)+(-n^2-4\*n-4)\*a(n+3), a(0) = 0, a(1) = 1, a(2) = 22}, ogf]  
A245380 7.02452 [ x\*(x^4+16\*x^3+36\*x^2+16\*x+1)/(x-1)^6 ogf]  
A245380 7.35587 [ -(-2\*x^4-52\*x^3-192\*x^2-152\*x-22)/(-x^5-15\*x^4-20\*x^3+20\*x^2+15\*x+1) lgdogf]  
A245391 6.08074 [ {(-8\*n^2-44\*n-60)\*a(n+1)+(n^2+6\*n+8)\*a(n+2), a(0) = 1, a(1) = 8}, ogf]  
A245391 9.89133 [ (-12\*x-1)/(-1+8\*x)^(1/2)+I)/(-1+8\*x)^(1/2)/x lgdogf]  
A245421 11.1818 [ -(-2\*x^4+x^3-x+2)/(-x^6-x^3-1) ogf\_with\_Euler\_transform]  
A245424 11.1818 [ -(x^4+x^3-x-1)/(x^6+x^3+1) ogf\_with\_Euler\_transform]  
A245432 9.96496 [ -(x^4-2\*x^3+2\*x-1)/(x^6+x^4+x^2+1) ogf\_with\_Euler\_transform]

A245433 9.71640  $[-(x^4-x^3+x-1)/(x^6+x^4+x^2+1)$  ogf\_with\_Euler\_transform]  
A245436 15.8330  $[-(-2*x^2+2)/(-x^4-1)$  ogf\_with\_Euler\_transform]  
A245437 10.0450  $[-(6*x^5-4*x^3-2*x-1)/(x^6-x^4-x^2-x+1)$  lgdogf]  
A245437 16.4000  $[x^5/(x^6-x^4-x^2-x+1)$  ogf]  
A245467 10.0827  $[-(3*x^4+13*x^2+6*x+2)/(x^5+x^3+x^2-2*x-1)$  lgdogf]  
A245467 11.1876  $[-x^2*(x^3+2*x+1)/(x-1)^3/(x+1)^3$  ogf]  
A245477 10.8283  $[-(2*x^5+x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A245478 10.8649  $[{a(n+3)-5*a(n), a(0) = 1, a(1) = 2, a(2) = 4},$  ogf]  
A245478 16.8517  $[-(4*x^2+2*x+1)/(5*x^3-1)$  ogf]  
A245478 8.17557  $[-(-20*x^4-20*x^3-15*x^2-8*x-2)/(-20*x^5-10*x^4-5*x^3+4*x^2+2*x+1)$  lgdogf]  
A245479 14.2686  $[-(2*x+1)*(3*x^2+1)/(7*x^4-1)$  ogf]  
A245480 13.9089  $[-(2*x+1)*(5*x^2+1)/(11*x^4-1)$  ogf]  
A245481 10.9427  $[-(12*x^5+6*x^4+4*x^3+3*x^2+2*x+1)/(13*x^6-1)$  ogf]  
A245487 5.81001  $[x^7*(x^3+2*x^2+2*x+2)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1)/(x^4+x^3-1)$  ogf]  
A245489 12.0176  $[-(2*x^2+2*x-1)/(2*x+1)/(4*x-1)/(x-1)$  ogf]  
A245489 6.54529  $[{-a(n+3)+3*a(n+2)+6*a(n+1)-8*a(n), a(0) = 1, a(1) = 1, a(2) = 7},$  ogf]  
A245489 7.25814  $[-(-16*x^4-32*x^3+30*x^2-8*x-1)/(-16*x^5-4*x^4+26*x^3-2*x^2-5*x+1)$  lgdogf]  
A245492 4.77255  $[x^8*(x^4+x^3+2*x^2+2*x+2)/(x-1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^5+x^3-1)$  ogf]  
A245524 10.6691  $[-(5*x^2+2*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A245524 9.89788  $[-(15*x^3+13*x^2+17*x+3)/(5*x^4+2*x^3-4*x^2-2*x-1)$  lgdogf]  
A245527 4.43051  $[x^9*(x^4+2*x^3+2*x^2+2*x+2)/(x-1)/(x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x^5+x^4-1)$  ogf]  
A245534 9.12804  $[-(-4*x^4-5*x^3-23*x^2-11*x-5)/(-2*x^5-x^4-2*x^3+4*x+1)$  lgdogf]  
A245534 9.66499  $[-(2*x^3+x^2+4*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A245551 16.5465  $[-(-15*x-5)/(-3*x^2-2*x+1)$  lgdogf]  
A245551 5.33406  $[{(n+3)*a(n+3)+(-9-2*n)*a(n+2)+(-18-3*n)*a(n+1), a(0) = 1, a(1) = 5, a(2) = 25},$  ogf]  
A245561 10.5935  $[-x*(5*x^2-1)/(5*x-1)/(x-1)/(5*x^2-5*x+1)$  ogf]  
A245573 11.6614  $[-x*(2*x^9-x^7-x^5+x^4-x^2-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A245578 10.6243  $[-(-2*x^4+16*x^2-16*x-10)/(-7*x^6+12*x^5+9*x^4-20*x^3-3*x^2+8*x+1)$  lgdogf]  
A245578 13.7571  $[-(7*x^4-12*x^3-2*x^2+8*x+1)/(x+1)/(x-1)^3$  ogf]  
A245580 13.6716  $[-(x^2+6*x+3)/(x^2+4*x-1)$  ogf]  
A245580 6.96726  $[{a(n+3)-4*a(n+2)-a(n+1), a(0) = 3, a(1) = 18, a(2) = 76},$  ogf]  
A245580 9.66127  $[-(2*x^2+8*x+18)/(x^4+10*x^3+26*x^2+6*x-3)$  lgdogf]  
A245581 11.3112  $[-(-6*x^3+6*x^2-10*x-2)/(-3*x^4+4*x^3-4*x+3)$  lgdogf]  
A245581 12.7034  $[-x*(3*x^2-4*x+3)/(x+1)/(x-1)^3$  ogf]  
A245596 9.44249  $[-(x^6+x^3+1)/(x^2+x+1)/(x^4+x-1)$  ogf]  
A245621 8.30956  $[x*(x^6+x^5+18*x^4+4*x^3+21*x^2+x+2)/(x-1)^4/(x+1)^4$  ogf]  
A245624 9.06146  $[(3*x^5+x^4+24*x^3+4*x^2+15*x+1)/(x-1)^4/(x+1)^4$  ogf]  
A245643 12.0578  $[-(-5*x^2-x-6)/(x^3-x^2+x-1)$  ogf\_with\_Euler\_transform]  
A245679 8.30968  $[x^3*(x-3)*(x^2-x+2)/(x-1)^5$  ogf]  
A245679 9.51108  $[-(-2*x^3+9*x^2-12*x+25)/(-x^4+5*x^3-9*x^2+11*x-6)$  lgdogf]  
A245688 7.85447  $[(9297*x^9-24320*x^8-52*x^7+52*x^3-127*x^2-42*x+47)/(x^2-3*x+1)$  ogf]  
A245734 7.89735  $[-1/2-1/2/x+1/2*x+1/2*(x^4-6*x^3+3*x^2+2*x+1)^(1/2)/x$  revogf]  
A245738 11.7062  $[-(3*x^4+10*x^3+4*x^2-8*x-3)/(x^5+3*x^4-5*x^2-x+2)$  lgdogf]  
A245738 17.0795  $[(x+2)/(x-1)/(x+1)/(x^2+x-1)$  ogf]  
A245764 8.82467  $[-2*(x^2+1)*(2*x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A245766 8.64843  $[-2*(2*x^4+5*x^3-x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A245769 12.4215  $[-(x^2-8*x-1)/(x^3-7*x^2+7*x-1)$  lgdogf]  
A245769 3.99485  $[{(n+4)*a(n+4)+(-20-7*n)*a(n+3)+(22+7*n)*a(n+2)+(-2-n)*a(n+1), a(0) = -1, a(1) = 1, a(2) = 7, a(3) = 25},$  ogf]  
A245783 7.37590  $[-(6*x^4+11*x^3-43*x^2+x+1)/(x-1)/(x^2-10*x+1)/(x^2+10*x+1)$  ogf]

A245799 9.61483 [  $(x+2)*(5*x^2-4*x+1)/(x^2+x-1)/(x^2+4*x-1)$  ogf]  
A245804 11.8934 [  $-(30*x^2-12*x)/(30*x^3-31*x^2+10*x-1)$  lgdogf]  
A245804 17.1793 [  $(5*x-1)/(2*x-1)/(3*x-1)$  ogf]  
A245804 9.54407 [  $\{-a(n+2)+5*a(n+1)-6*a(n), a(0) = -1, a(1) = 0\}$ , ogf]  
A245806 14.5418 [  $-(13*x-2)/(10*x-1)/(3*x-1)$  ogf]  
A245806 8.21182 [  $\{a(n+2)-13*a(n+1)+30*a(n), a(0) = 2, a(1) = 13\}$ , ogf]  
A245806 9.43250 [  $(-390*x^2+120*x-13)/(-390*x^3+229*x^2-39*x+2)$  lgdogf]  
A245807 14.5418 [  $-(17*x-2)/(10*x-1)/(7*x-1)$  ogf]  
A245807 8.21182 [  $\{a(n+2)-17*a(n+1)+70*a(n), a(0) = 2, a(1) = 17\}$ , ogf]  
A245807 9.18428 [  $(-1190*x^2+280*x-17)/(-1190*x^3+429*x^2-51*x+2)$  lgdogf]  
A245827 12.8584 [  $(4*x^2+43*x+4)/(x-1)^4$  ogf]  
A245827 13.0447 [  $(-8*x^2+137*x+59)/(4*x^3+39*x^2-39*x-4)$  lgdogf]  
A245827 4.32734 [  $\{(4*n+16)*a(n+4)+(58+39*n)*a(n+3)+(-215-39*n)*a(n+2)+(-12-4*n)*a(n+1), a(0) = 4, a(1) = 59, a(2) = 216, a(3) = 526\}$ , ogf]  
A245828 12.1614 [  $(-8*x^3+71*x^2+104*x+27)/(2*x^4+11*x^3-11*x-2)$  lgdogf]  
A245828 5.15539 [  $\{(-7*n^2-51*n-92)*a(n+1)+(14*n^2+84*n+232)*a(n+2)+(-7*n^2-33*n-38)*a(n+3), a(0) = 0, a(1) = 16, a(2) = 216\}$ , ogf]  
A245828 8.24862 [  $-8*x*(x+1)*(2*x^2+11*x+2)/(x-1)^7$  ogf]  
A245829 6.01707 [  $(-24*x^6-23*x^5-73*x^4+60*x^3+60*x^2-141*x-51)/(x+1)^3/(x-1)^4$  ogf]  
A245830 7.15425 [  $(-x^3+13*x^2+97*x+243)/(-x^4+9*x^3+19*x^2+27*x-54)$  lgdogf]  
A245830 7.87873 [  $-(x^3-8*x^2-27*x-54)/(x-1)^4$  ogf]  
A245831 5.49794 [  $-18*(x+1)*(3*x^4+167*x^3+740*x^2+167*x+3)/(x-1)^7$  ogf]  
A245832 6.63639 [  $2*(2*x^4-13*x^3-367*x^2-315*x-27)/(x-1)^7$  ogf]  
A245832 7.05117 [  $(-6*x^4-44*x^3-1874*x^2-2624*x-504)/(2*x^5-15*x^4-354*x^3+52*x^2+288*x+27)$  lgdogf]  
A245833 10.7316 [  $(-10*x^2+50*x+30)/(-2*x^3+11*x^2-6*x-3)$  lgdogf]  
A245833 3.47501 [  $\{(-3*n-12)*a(n+4)+(12-6*n)*a(n+3)+(72+11*n)*a(n+2)+(-12-2*n)*a(n+1), a(0) = 54, a(1) = 540, a(2) = 2610, a(3) = 8820\}$ , ogf]  
A245833 7.22527 [  $18*(2*x^2-9*x-3)/(x-1)^7$  ogf]  
A245834 8.75795 [  $(1/(3*x+1)*\exp(-3*x)+1)*(3*\exp(3*x)*x+\exp(3*x))$  lgdegf]  
A245835 7.99186 [  $(2/(3*x+1)*\exp(-3*x)+1)*(3*\exp(3*x)*x+\exp(3*x))$  lgdegf]  
A245864 7.84183 [  $(-9*x^4+12*x^3+6*x^2-7*x-19)/(x-1)/(x^4+2*x^3+2*x^2+x-1)$  ogf]  
A245865 5.75852 [  $(-75*x^5-185*x^4-150*x^3-91*x^2+10*x+61)/(3*x^6-8*x^5-5*x^4-x^3+x^2+3*x-1)$  ogf]  
A245866 5.46701 [  $\{-a(n+3)+2*a(n+2)+4*a(n+1)-a(n), a(0) = 90, a(1) = 318, a(2) = 960\}$ , ogf]  
A245866 9.84062 [  $-6*(6*x^2-23*x-15)/(x^3-4*x^2-2*x+1)$  ogf]  
A245867 5.17686 [  $(-245*x^5-1141*x^4-574*x^3-281*x^2+112*x+127)/(5*x^6-24*x^5-9*x^4-x^3+3*x^2+3*x-1)$  ogf]  
A245868 10.0225 [  $-8*(8*x^2-47*x-21)/(x^3-6*x^2-2*x+1)$  ogf]  
A245868 5.55868 [  $\{-a(n+3)+2*a(n+2)+6*a(n+1)-a(n), a(0) = 168, a(1) = 712, a(2) = 2368\}$ , ogf]  
A245871 8.22312 [  $-(x^4-3*x^3+15*x^2-15*x-10)/(x+1)/(x-1)^4$  ogf]  
A245872 6.78309 [  $-(x^5-2*x^4+2*x^3-34*x^2-71*x-16)/(x+1)^2/(x-1)^4$  ogf]  
A245873 5.44994 [  $-(x^6-3*x^5-44*x^4-30*x^3-15*x^2+161*x+26)/(x+1)^2/(x-1)^5$  ogf]  
A245874 4.94720 [  $(-x^7-2*x^6-121*x^5+10*x^4+371*x^3+574*x^2+469*x+42)/(x+1)^3/(x-1)^5$  ogf]  
A245875 4.52837 [  $(x^8-3*x^7-103*x^6+561*x^5+1143*x^4-633*x^3-781*x^2-1077*x-68)/(x+1)^3/(x-1)^6$  ogf]  
A245876 3.47310 [  $(x^9-2*x^8+224*x^7+1148*x^6+2178*x^5-3456*x^4-8680*x^3-5836*x^2-2747*x-110)/(x+1)^4/(x-1)^6$  ogf]  
A245906 9.89511 [  $-(x^4-6*x^2+8*x+5)/(x+1)^2/(x-1)^3$  ogf]  
A245940 5.54614 [  $x^2*(x^4+55*x^3+204*x^2+143*x+17)/(x-1)^8$  ogf]  
A245941 6.07692 [  $-x^2*(4*x^4+257*x^3+973*x^2+627*x+59)/(x-1)^7$  ogf]  
A245945 3.94848 [  $(-27*x^8+36*x^7-15*x^6-57*x^5-73*x^4-54*x^3+9*x^2+55*x+71)/(x-1)/(x^8+2*x^7+x^6-x^5-3*x^4-4*x^3-3*x^2-x+1)$  ogf]  
A245947 4.06906 [  $-6*(36*x^6-102*x^5-53*x^4-476*x^3+386*x^2+244*x+139)/$

$(x^7-3x^6-x^5-13x^4+13x^3+5x^2+3x-1)$  ogf]  
A245949 4.00355 [  $-8*(64x^6-312x^5-231x^4-1244x^3+1824x^2+802x+277)/(x^7-5x^6-3x^5-19x^4+31x^3+9x^2+3x-1)$  ogf]  
A245951 6.72306 [  $-(x^5-2x^4-46x^3-40x^2-43x-14)/(x+1)^2/(x-1)^4$  ogf]  
A245952 5.21073 [  $-(x^7-2x^6-141x^5+18x^4+299x^3+230x^2+145x+26)/(x+1)^3/(x-1)^5$  ogf]  
A245953 4.77584 [  $-(x^8-3x^7-7x^6+557x^5+851x^4-1241x^3-669x^2-401x-48)/(x+1)^3/(x-1)^6$  ogf]  
A245954 3.49082 [  $-(x^9-2x^8+658x^7+310x^6-2708x^5-8990x^4-12178x^3-4478x^2-1325x-88)/(x+1)^4/(x-1)^6$  ogf]  
A245961 11.2180 [  $x^4*(x-2)/(x^2+x-1)^3$  ogf]  
A245961 11.9083 [  $-(-5x^2+10x+5)/(-x^3+x^2+3x-2)$  lgdogf]  
A245961 4.07389 [  $\{(-n^2-5n-6)*a(n+1)+(-n^2-3n)*a(n+2)+(n^2+n-2)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 2\}$ , ogf]  
A245968 10.7549 [  $x^2*(x^2+1)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A245968 7.96275 [  $-(-3x^6-2x^5-4x^4-4x^3+2x^2+4x+1)/(-x^7-x^6+2x^3+x-1)$  lgdogf]  
A245969 8.57432 [  $-(-109x^3+491x^2-823x+537)/(-109x^4+518x^3-956x^2+818x-271)$  lgdogf]  
A245969 9.88568 [  $-(109x^3-409x^2+547x-271)/(x-1)^4$  ogf]  
A245989 14.5504 [  $-2*(3x^2+2x+4)/(x^3+x-1)$  ogf]  
A245989 8.03301 [  $-(-3x^4-4x^3-9x^2-6x-6)/(-3x^5-2x^4-7x^3+x^2-2x+4)$  lgdogf]  
A245989 8.03301 [  $\{a(n+3)-a(n+2)-a(n), a(0) = 8, a(1) = 12, a(2) = 18\}$ , ogf]  
A245990 14.1415 [  $-4*(3x+7)/(x^2+2x-1)$  ogf]  
A245990 7.91252 [  $\{a(n+2)-2a(n+1)-a(n), a(0) = 28, a(1) = 68\}$ , ogf]  
A245990 9.77429 [  $-(3x^2+14x+17)/(3x^3+13x^2+11x-7)$  lgdogf]  
A245991 4.32697 [  $\{-a(n+4)+2a(n+3)+a(n+2)+9a(n+1)+3a(n), a(0) = 64, a(1) = 208, a(2) = 676, a(3) = 2196\}$ , ogf]  
A245991 7.91520 [  $-4*(15x^3+49x^2+20x+16)/(3x^4+9x^3+x^2+2x-1)$  ogf]  
A245992 12.1078 [  $-6*(5x+21)/(x^2+4x-1)$  ogf]  
A245992 6.75781 [  $\{a(n+2)-4a(n+1)-a(n), a(0) = 126, a(1) = 534\}$ , ogf]  
A245992 8.42278 [  $-(-5x^2-42x-89)/(-5x^3-41x^2-79x+21)$  lgdogf]  
A245993 3.78028 [  $\{-a(n+4)+4a(n+3)+a(n+2)+25a(n+1)+5a(n), a(0) = 216, a(1) = 1116, a(2) = 5766, a(3) = 29790\}$ , ogf]  
A245993 6.73499 [  $-6*(35x^3+181x^2+42x+36)/(5x^4+25x^3+x^2+4x-1)$  ogf]  
A245994 11.8626 [  $-8*(7x+43)/(x^2+6x-1)$  ogf]  
A245994 6.54486 [  $\{a(n+2)-6a(n+1)-a(n), a(0) = 344, a(1) = 2120\}$ , ogf]  
A245994 8.01976 [  $-(-7x^2-86x-265)/(-7x^3-85x^2-251x+43)$  lgdogf]  
A245996 10.2726 [  $2*(4x^2+x+1)/(x+1)/(x-1)^4$  ogf]  
A245996 9.53000 [  $-(12x^3+16x^2+16x+4)/(4x^4+x^3-3x^2-x-1)$  lgdogf]  
A245997 6.51747 [  $-2*(14x^4+13x^3+17x^2+3x+1)/(x+1)^2/(x-1)^5$  ogf]  
A245998 5.26556 [  $2*(49x^6+86x^5+183x^4+100x^3+55x^2+6x+1)/(x+1)^3/(x-1)^6$  ogf]  
A245999 3.46230 [  $-2*(171x^8+474x^7+1498x^6+1510x^5+1436x^4+502x^3+158x^2+10x+1)/(x+1)^4/(x-1)^7$  ogf]  
A246030 10.5306 [  $\{a(n+2)-2a(n+1)-8a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A246030 12.6987 [  $-(-48x^2-16x-8)/(-48x^3-20x^2+4x+1)$  lgdogf]  
A246030 19.1891 [  $-(6x+1)/(4x-1)/(2x+1)$  ogf]  
A246036 11.1751 [  $\{a(n+2)-2a(n+1)-8a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A246036 13.4758 [  $-(32x^2+16x+6)/(32x^3+16x^2-2x-1)$  lgdogf]  
A246036 20.3634 [  $-(4x+1)/(4x-1)/(2x+1)$  ogf]  
A246038 13.0873 [  $-(2x+1)*(4x^2+2x+1)/(8x^4+8x^3+3x-1)$  ogf]  
A246046 4.88709 [  $(x^{14}+2x^{13}+x^{12}+2x^{11}+x^{10}+2x^9+x^8+x^7+2x^6+x^5+2x^4+x^3+2x^2+x+2)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf]  
A246057 10.1160 [  $-(50x^2+20x-16)/(50x^3-45x^2-6x+1)$  lgdogf]  
A246057 14.8512 [  $(5x+1)/(10x-1)/(x-1)$  ogf]  
A246057 8.21182 [  $\{-a(n+2)+11a(n+1)-10a(n), a(0) = 1, a(1) = 16\}$ , ogf]

A246058 10.1160  $[-(60*x^2+20*x-17)/(60*x^3-56*x^2-5*x+1) \text{ lgdogf}]$   
A246058 14.8512  $[(6*x+1)/(10*x-1)/(x-1) \text{ ogf}]$   
A246058 8.21182  $[\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 1, a(1) = 17\}, \text{ ogf}]$   
A246059 10.1160  $[-(70*x^2+20*x-18)/(70*x^3-67*x^2-4*x+1) \text{ lgdogf}]$   
A246059 14.8512  $[(7*x+1)/(10*x-1)/(x-1) \text{ ogf}]$   
A246059 8.21182  $[\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 1, a(1) = 18\}, \text{ ogf}]$   
A246062 10.2213  $[1/4*I/x/(8*x-1)^{(1/2)}-1/4/x/(8*x+1)^{(1/2)} \text{ lgdogf}]$   
A246074 9.65675  $[-(x+1)^2*(x^2+x+1)^2*(x^2-x+1)^2/(2*x^6-1) \text{ ogf}]$   
A246075 8.39621  $[-(x^6+x^5+x^4+x^3+x^2+x+1)^2/(2*x^7-1) \text{ ogf}]$   
A246076 6.54642  $[-(x^{23}+x^{14}+2*x^{13}+3*x^{12}+4*x^{11}+5*x^{10}+6*x^9+7*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(2*x^8-1) \text{ ogf}]$   
A246077 8.50128  $[-(x^2+1)*(x^{12}-x^{10}+x^8+2*x^5+3*x^4+2*x^3+2*x^2+2*x+1)/(2*x^5-1) \text{ ogf}]$   
A246078 5.59747  $[-(2*x^{24}+x^{23}+x^{17}+2*x^{16}+3*x^{15}+4*x^{14}+5*x^{13}+7*x^{12}+9*x^{11}+11*x^{10}+10*x^9+9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(3*x^{11}-1) \text{ ogf}]$   
A246080 8.39129  $[-(x^6+3*x^4+2*x^2+1)*(x+1)^2/(3*x^6-1) \text{ ogf}]$   
A246081 7.33929  $[-(x^3-x+1)*(x^6+x^4+2*x^3+x^2+x+1)*(x^2+x+1)^2/(3*x^9-1) \text{ ogf}]$   
A246082 5.15129  $[-(x^{12}+3*x^8+2*x^4+1)*(x+1)^2*(x^2+1)^2/(3*x^{12}-1) \text{ ogf}]$   
A246083 4.91946  $[-(x^{15}+3*x^{10}+2*x^5+1)*(x^4+x^3+x^2+x+1)^2/(3*x^{15}-1) \text{ ogf}]$   
A246084 8.06652  $[-(4*x^{24}+2*x^{16}+x^{15}+x^9+3*x^8+5*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(3*x^7-1) \text{ ogf}]$   
A246085 7.13971  $[-(2*x^{23}+x^{22}+x^{14}+2*x^{13}+4*x^{12}+6*x^{11}+8*x^{10}+10*x^9+9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(3*x^{10}-1) \text{ ogf}]$   
A246138 3.95617  $[\{(-9*n^2-36*n-36)*a(n+1)+(10*n^2+44*n+48)*a(n+2)+(-n^2-8*n-16)*a(n+3), a(0) = -1, a(1) = 0, a(2) = 1\}, \text{ ogf}]$   
A246139 10.6865  $[-(-42*x^2+44*x-12)/(-42*x^3+85*x^2-54*x+11) \text{ lgdogf}]$   
A246139 16.1435  $[-(21*x-11)/(2*x-1)/(x-1) \text{ ogf}]$   
A246139 9.03265  $[\{a(n+2)-3*a(n+1)+2*a(n), a(0) = 11, a(1) = 12\}, \text{ ogf}]$   
A246168 10.0959  $[-(-38*x^2+36*x-8)/(-38*x^3+75*x^2-46*x+9) \text{ lgdogf}]$   
A246168 15.1438  $[(19*x-9)/(2*x-1)/(x-1) \text{ ogf}]$   
A246168 8.49529  $[\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = -9, a(1) = -8\}, \text{ ogf}]$   
A246171 7.38596  $[(x^8+3*x^7+4*x^6+4*x^5+4*x^4+4*x^3+4*x^2+4*x+3)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 \text{ ogf}]$   
A246172 12.8904  $[(4*x^2-4*x-1)/(x-1)^3 \text{ ogf}]$   
A246172 13.1053  $[-(-4*x^2+7)/(-4*x^3+8*x^2-3*x-1) \text{ lgdogf}]$   
A246172 6.95855  $[\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 7, a(2) = 14\}, \text{ ogf}]$   
A246175 7.22468  $[-(x^2+x-1)/(x^2-3*x+1)^3/(x+1)^3 \text{ ogf}]$   
A246175 9.17291  $[-(-7*x^4+21*x^2-6*x-5)/(-x^5+x^4+5*x^3-x^2-3*x+1) \text{ lgdogf}]$   
A246176 5.57939  $[-(x^5-3*x^4+14*x^3-24*x^2+18*x-5)/(x^2-3*x+1)^3/(x+1)^3 \text{ ogf}]$   
A246178 14.6051  $[1/(x^2-3*x+1)^3 \text{ ogf}]$   
A246178 20.6906  $[-(6*x-9)/(x^2-3*x+1) \text{ lgdogf}]$   
A246178 6.53388  $[\{-n-3\}*a(n+3)+(15+3*n)*a(n+2)+(-7-n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 5\}, \text{ ogf}]$   
A246229 5.23466  $[3744763744425692221838464/571*x^{15}*\exp(2847841759482134170596738877591443/468095468053211527729808*x^5) \text{ ogf\_with\_Euler\_transform}]$   
A246313 10.8821  $[\{a(n+2)-3*a(n+1)-2*a(n), a(0) = -1, a(1) = 3\}, \text{ ogf}]$   
A246313 13.3184  $[-(12*x^2-4*x+3)/(12*x^3+16*x^2-9*x+1) \text{ lgdogf}]$   
A246313 19.8296  $[-(6*x-1)/(2*x^2+3*x-1) \text{ ogf}]$   
A246347 13.1854  $[-(3*x^4-2*x^3-x-1)/(x-1)/(2*x^2-1) \text{ ogf}]$   
A246347 6.31800  $[\{-a(n+5)+a(n+4)+2*a(n+3)-2*a(n+2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8, a(4) = 9\}, \text{ ogf}]$   
A246360 11.9144  $[-(x^3+2*x^2-x-1)/(x-1)/(3*x^2-1) \text{ ogf}]$   
A246360 6.22799  $[\{-a(n+4)+a(n+3)+3*a(n+2)-3*a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5\}, \text{ ogf}]$   
A246360 8.13955  $[-(9*x^4-4*x^3-7*x^2+2*x+2)/(3*x^6+3*x^5-10*x^4-x^3+6*x^2-1) \text{ ogf}]$

lgdogf]  
 A246388 8.13369 [  $(x+1) \cdot (4x^6+2x^5+4x^4+3x^3+3x^2+3x+3) / (x^6+x^5+x^4+x^3+x^2+x+1) / (x-1)^2$  ogf]  
 A246393 8.13369 [  $(5x^7+7x^6+6x^5+6x^4+6x^3+7x^2+6x+1) / (x^6+x^5+x^4+x^3+x^2+x+1) / (x-1)^2$  ogf]  
 A246394 8.17337 [  $(2x^7+6x^6+7x^5+6x^4+6x^3+7x^2+6x+4) / (x^6+x^5+x^4+x^3+x^2+x+1) / (x-1)^2$  ogf]  
 A246404 8.86541 [  $x \cdot (2x^{11}-x^6+x^5+2) / (x+1) / (x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1) / (x-1)^2$  ogf]  
 A246407 7.81723 [  $(x^{12}+x^{11}+x^7-x^6+x+1) / (x+1) / (x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1) / (x-1)^2$  ogf]  
 A246410 9.50200 [  $(x^{12}+x^{11}+2) / (x+1) / (x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1) / (x-1)^2$  ogf]  
 A246413 10.2300 [  $(2x^{11}+x+1) / (x+1) / (x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1) / (x-1)^2$  ogf]  
 A246416 5.80501 [  $x \cdot (x^{10}+x^9+3x^8+4x^6+2x^5+4x^4+2x^3+3x^2+x+1) / (x^4+1) / (x-1)^2 / (x+1)^2 / (x^2+1)^2$  ogf]  
 A246432 3.71497 [  $\{(-16n^2-8n) \cdot a(n+1) + (8n^2+22n+12) \cdot a(n+2) + (-n^2-5n-6) \cdot a(n+3), a(0) = 1, a(1) = -3, a(2) = -1\}$ , ogf]  
 A246432 7.83767 [  $(1/2 \cdot (8x-1) / (-1+4x)^{1/2} - 1/2 \cdot I) / (-1+4x)^{1/2} / x$  lgdogf]  
 A246434 4.18661 [  $\{(84n^2+378n+420) \cdot a(n+1) + (-37n^2-225n-314) \cdot a(n+2) + (4n^2+32n+60) \cdot a(n+3), a(0) = -1, a(1) = -1, a(2) = 0\}$ , ogf]  
 A246434 7.10571 [  $-1/2 \cdot (-x^2+(x^4+10x^3+29x^2+28x+4)^{1/2}+11x-2) / (4x^2-12x+9)$  revogf]  
 A246437 3.60782 [  $\{(-3n-6) \cdot a(n+1) + (-5n-14) \cdot a(n+2) + (-n-4) \cdot a(n+3) + (n+4) \cdot a(n+4), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 3\}$ , ogf]  
 A246442 10.5278 [  $(11x^4+3x^3+3x^2+3x+2) / (x^2+1) / (x+1) / (x-1)^2$  ogf]  
 A246451 11.8502 [  $(3x^3+3x^2+3x+13) / (x^2+1) / (x+1) / (x-1)^2$  ogf]  
 A246453 11.9945 [  $(8x^3-56x^2-10x+3) / (x^2-7x+1)$  ogf]  
 A246453 6.40384 [  $\{a(n+4)-7a(n+3)+a(n+2), a(0) = 3, a(1) = 11, a(2) = 18, a(3) = 123\}$ , ogf]  
 A246453 6.93260 [  $-(8x^4-112x^3+426x^2-118x+11) / (-8x^5+112x^4-390x^3-17x^2+31x-3)$  lgdogf]  
 A246473 12.1725 [  $-2 \cdot (4x^3+3x^2+2x+5) / (x^4+x-1)$  ogf]  
 A246474 12.4182 [  $-4 \cdot (7x^2+3x+15) / (x^3+2x-1)$  ogf]  
 A246474 6.81786 [  $(-7x^4-6x^3-31x^2-14x-33) / (-7x^5-3x^4-29x^3+x^2-27x+15)$  lgdogf]  
 A246474 7.02446 [  $\{a(n+3)-2a(n+2)-a(n), a(0) = 60, a(1) = 132, a(2) = 292\}$ , ogf]  
 A246475 4.07414 [  $-4 \cdot (16x^8+21x^7+7x^6+99x^5+80x^4+245x^3+102x^2+35x+43) / (x^9+x^8+6x^6+3x^5+14x^4+x^3+2x-1)$  ogf]  
 A246476 6.87255 [  $-6 \cdot (21x^3+68x^2+58x+77) / (x^4+3x^3+2x^2+3x-1)$  ogf]  
 A246478 6.71098 [  $-8 \cdot (43x^3+222x^2+122x+235) / (x^4+5x^3+2x^2+5x-1)$  ogf]  
 A246480 6.45450 [  $-2 \cdot (23x^4+6x^3+16x^2+2x+1) / (x+1)^2 / (x-1)^5$  ogf]  
 A246481 5.30486 [  $2 \cdot (115x^6+72x^5+191x^4+52x^3+45x^2+4x+1) / (x+1)^3 / (x-1)^6$  ogf]  
 A246482 3.44490 [  $-2 \cdot (562x^8+617x^7+2001x^6+1045x^5+1161x^4+251x^3+115x^2+7x+1) / (x+1)^4 / (x-1)^7$  ogf]  
 A246507 6.48926 [  $\{(-4n^2-34n-60) \cdot a(n+1) + (n^2+9n+14) \cdot a(n+2), a(0) = 14, a(1) = 70\}$ , ogf]  
 A246552 10.6907 [  $(-3x^5+3x^4+5x^3+x^2+2) / (-x^6+x^5+x^4+x^2-x-1)$  lgdogf]  
 A246552 15.4938 [  $-x^2 \cdot (x^2-x-1) / (x^2+1) / (x+1) / (x-1)^2$  ogf]  
 A246574 5.87911 [  $\{(-4n^2-18n-20) \cdot a(n+1) + (n^2+5n+4) \cdot a(n+2), a(0) = 0, a(1) = 4\}$ , ogf]  
 A246575 19.0030 [  $(-1-2x) / (x-1)$  ogf\_with\_Euler\_transform]  
 A246576 18.5888 [  $(-2x^2-1) / (-x+1)$  ogf\_with\_Euler\_transform]  
 A246581 12.7596 [  $(-x^3-x^2+x) / (x^2-1)$  ogf\_with\_Euler\_transform]  
 A246584 12.6620 [  $(-2x^3-2x^2-3x-2) / (-x^4+1)$  ogf\_with\_Euler\_transform]  
 A246607 5.54107 [  $\{(3n^2+15n+18) \cdot a(n+1) + a(n+4) - a(n+3), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = -5\}$ , ogf]  
 A246608 6.91589 [  $(-5x^7-2x^6-x^5-2x^4-9x^3-2x^2-x-2) / (x^8-1)$



ogf\_with\_Euler\_transform]  
 A246631 6.59440 [  $-(3x^6+x^5-2x^3+5x^2+3x+2)/(-x^7-x^6-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
 A246638 14.1237 [  $-(5x^2-12x+5)/(x-1)/(x^2-3x+1)$  ogf]  
 A246638 7.74927 [  $\{-a(n+3)+4a(n+2)-4a(n+1)+a(n), a(0) = 5, a(1) = 8, a(2) = 17\}$ , ogf]  
 A246638 8.50162 [  $(-(-5x^4+24x^3-43x^2+30x-8)/(-5x^5+32x^4-73x^3+73x^2-32x+5)$  lgdogf]  
 A246639 14.5114 [  $-(8x^2-19x+8)/(x-1)/(x^2-3x+1)$  ogf]  
 A246639 7.89215 [  $\{-a(n+3)+4a(n+2)-4a(n+1)+a(n), a(0) = 8, a(1) = 13, a(2) = 28\}$ , ogf]  
 A246639 8.48778 [  $(-(-8x^4+38x^3-68x^2+48x-13)/(-8x^5+51x^4-116x^3+116x^2-51x+8)$  lgdogf]  
 A246640 13.5108 [  $-(2x-1)(x-2)/(x-1)/(x^2-3x+1)$  ogf]  
 A246640 7.35855 [  $\{-a(n+3)+4a(n+2)-4a(n+1)+a(n), a(0) = 2, a(1) = 3, a(2) = 6\}$ , ogf]  
 A246640 8.00153 [  $(-(-2x^4+10x^3-18x^2+12x-3)/(-2x^5+13x^4-30x^3+30x^2-13x+2)$  lgdogf]  
 A246641 13.7955 [  $-(x^2-10x+1)/(x-1)/(x^2-18x+1)$  ogf]  
 A246641 7.61130 [  $\{-a(n+3)+19a(n+2)-19a(n+1)+a(n), a(0) = 1, a(1) = 9, a(2) = 153\}$ , ogf]  
 A246641 8.32935 [  $(-(-x^4+20x^3-174x^2+36x-9)/(-x^5+29x^4-210x^3+210x^2-29x+1)$  lgdogf]  
 A246642 11.5937 [  $-(x^2+22x+1)/(x-1)/(x^2-18x+1)$  ogf]  
 A246642 6.34187 [  $\{a(n+3)-19a(n+2)+19a(n+1)-a(n), a(0) = 1, a(1) = 41, a(2) = 761\}$ , ogf]  
 A246642 7.06666 [  $(-(-x^4-44x^3+434x^2+36x-41)/(-x^5-3x^4+398x^3-398x^2+3x+1)$  lgdogf]  
 A246643 10.1756 [  $-(15x-1)(6x-1)/(9x-1)/(81x^2-22x+1)$  ogf]  
 A246643 5.76619 [  $\{-a(n+3)+31a(n+2)-279a(n+1)+729a(n), a(0) = 1, a(1) = 10, a(2) = 121\}$ , ogf]  
 A246645 13.7222 [  $(-(162x-22)/(81x^2-22x+1)$  lgdogf]  
 A246645 20.7793 [  $1/(81x^2-22x+1)$  ogf]  
 A246645 8.55620 [  $\{-a(n+2)+22a(n+1)-81a(n), a(0) = 1, a(1) = 22\}$ , ogf]  
 A246650 5.58078 [  $(-(-2x^5+3x^4-6x^3+6x^2-4x+1)/(x^6-x^5+x^4-x^2+x-1)$  ogf\_with\_Euler\_transform]  
 A246662 3.42187 [  $\{(-14-7n)a(n+1)+(-7n^2-18n+12)a(n+2)+(10n^2+77n+134)a(n+3)+(-10n-40)a(n+4), a(0) = -10, a(1) = 7, a(2) = -3, a(3) = 1\}$ , ogf]  
 A246695 24.5399 [  $-x^3-x^2+3x+3$  ogf\_with\_Euler\_transform]  
 A246695 8.06559 [  $(x^2+1)(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
 A246697 8.00651 [  $(2x^4+x^3+5x^2+3x+1)/(x+1)^2/(x-1)^4$  ogf]  
 A246707 5.53399 [  $(4x^{11}+2x^{10}+3x^9+4x^8+2x^7+2x^6+6x^5+2x^4+2x^3+4x^2+3x+2)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]  
 A246713 7.65810 [  $-(2x^4+3x^3-3x-2)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
 A246715 11.0604 [  $-(x^4-11x^3+12x^2-3x+5)/(x^5-4x^4-3x^3+9x^2-2x-1)$  lgdogf]  
 A246715 14.0769 [  $(x-1)(x^2-4x-1)/(x^2+x-1)^2$  ogf]  
 A246715 4.57350 [  $\{(-3n^2-16n-20)a(n+1)+(2n^2+31n+82)a(n+2)+(8n^2+49n+70)a(n+3)+(-5n^2-34n-56)a(n+4), a(0) = 1, a(1) = 5, a(2) = 6, a(3) = 16\}$ , ogf]  
 A246732 9.97176 [  $-4(15x^3+7x^2+3x+31)/(x^4+2x-1)$  ogf]  
 A246734 4.60966 [  $-6(77x^6+98x^5-51x^4-400x^3-185x^2-122x-261)/(x+1)/(x^6-x^4-4x^3+3x^2-4x+1)$  ogf]  
 A246736 3.35788 [  $-8(235x^7+983x^6+179x^5-2791x^4-4741x^3-1793x^2-1245x-1171)/(x^4+2x^3+2x^2+1)/(x^4+2x^3-6x^2-4x+1)$  ogf]  
 A246738 5.33370 [  $2(166x^6+43x^5+189x^4+34x^3+44x^2+3x+1)/(x+1)^3/(x-1)^6$  ogf]  
 A246739 3.42834 [

$$-2*(1076*x^8+523*x^7+2211*x^6+655*x^5+1023*x^4+161*x^3+105*x^2+5*x+1)/(x+1)^4/(x-1)^7$$
 ogf]

A246752 4.44890 [  $-( -2*x^{11}-x^{10}-2*x^9-2*x^8-x^7-x^6-2*x^5-x^4-x^3-2*x^2-2*x-1)/(x^{12}-1)$  ogf\_with\_Euler\_transform]

A246767 10.3873 [  $(-6*x^3-24*x^2-78*x-12)/(-3*x^4-2*x^3-12*x^2+18*x-1)$  lgdogf]

A246767 4.64694 [  $\{(5*n^2-47*n-114)*a(n+1)+(116*n^2+884*n+1128)*a(n+2)+(-121*n^2-333*n-182)*a(n+3), a(0) = 0, a(1) = -1, a(2) = 12\}$ , ogf]

A246767 9.59693 [  $-x*(3*x^3+5*x^2+17*x-1)/(x-1)^5$  ogf]

A246779 4.51129 [  $-x*(x^{22}-x^{21}+2*x^{20}-2*x^{19}+x^{17}-x^{15}+x^{14}-x^{13}+x^{12}+x^{10}-x^9-x^8+x^6+x^4-x^3+x^2-2*x-1)/(x-1)^2$  ogf]

A246780 8.43666 [  $-(x^2-x+1)*(x^{14}-x^{12}-x^{11}+x^9+x^8-x^6+x^3+x^2-x-2)/(x-1)^2$  ogf]

A246811 5.90367 [  $(-3*x^6-x^5+5*x^4+x^3+2*x^2-2*x+4)/(-x^7-x^6-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]

A246814 6.29488 [  $(-3*x^7+2*x^6+x^5+2*x^4+5*x^3+2*x^2+x+2)/(-x^8+1)$  ogf\_with\_Euler\_transform]

A246815 7.67318 [  $(-3*x^7+2*x^6+3*x^5+2*x^4+x^3+2*x^2+3*x+2)/(-x^8+1)$  ogf\_with\_Euler\_transform]

A246816 7.01671 [  $(-3*x^7-2*x^6+5*x^5-2*x^4+4*x^3-2*x^2+5*x-2)/(-x^8+1)$  ogf\_with\_Euler\_transform]

A246832 6.90061 [  $(-3*x^6+2*x^5-x^3+4*x^2+3*x+1)/(-x^7-x^6-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]

A246833 8.63318 [  $(-3*x^7-2*x^6-2*x^4-x^3-2*x^2-2)/(x^8-1)$  ogf\_with\_Euler\_transform]

A246835 7.68108 [  $(-3*x^7+2*x^6-2*x^5+2*x^4+5*x^3+2*x^2-2*x+2)/(-x^8+1)$  ogf\_with\_Euler\_transform]

A246836 7.67318 [  $(-3*x^7-2*x^6+5*x^5-2*x^4+x^3-2*x^2+5*x-2)/(-x^8+1)$  ogf\_with\_Euler\_transform]

A246837 6.86370 [  $(-3*x^6+4*x^4+x^3+2*x^2-x+3)/(-x^7-x^6-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]

A246840 9.32821 [  $(-3*x^5-4*x^3-3*x^2+x-1)/(x^6-2*x^4-2*x^3+x^2-2*x+1)$  lgdogf]

A246880 5.24278 [  $\{a(n+3)-111*a(n+2)+1110*a(n+1)-1000*a(n), a(0) = 0, a(1) = 609, a(2) = 66099\}$ , ogf]

A246880 9.36211 [  $3*x*(500*x-203)/(x-1)/(100*x-1)/(10*x-1)$  ogf]

A246883 10.0189 [  $(-4*x^7+5*x^4+4*x^3-x+1)/(-x^8+2*x^5+2*x^4-x^2+2*x-1)$  lgdogf]

A246884 9.24785 [  $(-5*x^9-6*x^5-5*x^4+x-1)/(x^{10}-2*x^6-2*x^5+x^2-2*x+1)$  lgdogf]

A246893 5.12714 [  $-(x^7-2*x^6+329*x^5+394*x^4+619*x^3+378*x^2+171*x+30)/(x+1)^3/(x-1)^5$  ogf]

A246894 3.32493 [  $-(x^9-2*x^8+1486*x^7+268*x^6-2876*x^5-3740*x^4-4198*x^3-1844*x^2-557*x-58)/(x+1)^4/(x-1)^6$  ogf]

A246919 5.14102 [  $-x^2*(4*x^{13}+2*x^{11}+x^{10}-11*x^9+x^8-4*x^7+4*x^6+13*x^5+16*x^4+14*x^3+19*x^2+7)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]

A246927 5.38649 [  $(-3*x^{11}+x^{10}-4*x^8+x^7+x^6+7*x^5+x^4+x^3-4*x^2+1)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]

A246928 6.03684 [  $(-3*x^8-2*x^7+3*x^6-3*x^5-x^4+x^3+6*x^2-3*x+2)/(-x^9-x^6-x^3-1)$  ogf\_with\_Euler\_transform]

A246939 3.85549 [  $(49*x^{10}-7*x^9-7*x^8+x^7+7*x^6+7*x^5-x^4-x^3+1)/(7*x-1)/(7*x^2-1)/(57*x^7+7*x^6-8*x^4-8*x^3+1)$  ogf]

A246940 3.68289 [  $(64*x^{10}-8*x^9-8*x^8+x^7+8*x^6+8*x^5-x^4-x^3+1)/(8*x-1)/(8*x^2-1)/(73*x^7+8*x^6-9*x^4-9*x^3+1)$  ogf]

A246941 3.84657 [  $(81*x^{10}-9*x^9-9*x^8+x^7+9*x^6+9*x^5-x^4-x^3+1)/(3*x-1)/(9*x-1)/(3*x+1)/(91*x^7+9*x^6-10*x^4-10*x^3+1)$  ogf]

A246943 7.86443 [  $x*(4*x^6+x^5+12*x^4+4*x^3+12*x^2+x+4)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]

A246950 5.44651 [  $(-2*x^7+2*x^6+x^5+2*x^4+3*x^3+2*x^2+x+2)/(-x^8+1)$  ogf\_with\_Euler\_transform]

A246953 11.9809 [  $(-3*x^3+2*x^2-x+2)/(-x^4+1)$  ogf\_with\_Euler\_transform]

A246954 12.3326 [  $(-3*x^3-4*x^2-x-4)/(x^4-1)$  ogf\_with\_Euler\_transform]

A246961 10.1006 [  $-2*x*(135*x^2-9*x-2)/(15*x-1)/(3*x-1)/(9*x-1)/(5*x-1)$  ogf]

A246962 5.25843 [  $-( -2x^{11} - 2x^9 - x^8 - x^7 - 2x^5 - x^3 - x^2 - 2x ) / ( x^{12} - 1 )$   
ogf\_with\_Euler\_transform]  
A246985 13.9346 [  $-( 14x^2 - 8x + 1 ) / ( 6x - 1 ) / ( 3x - 1 ) / ( 2x - 1 )$  ogf]  
A246985 7.80821 [  $\{-a(n+3) + 11a(n+2) - 36a(n+1) + 36a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]  
A246985 8.08707 [  $( -504x^4 + 576x^3 - 242x^2 + 44x - 3 ) / ( -504x^5 + 792x^4 - 478x^3 + 138x^2 - 19x + 1 )$  lgdogf]  
A246986 11.3130 [  $-( x^3 - 6x^2 + 5x - 1 ) / ( x - 1 ) / ( 3x - 1 ) / ( 2x - 1 ) / ( 4x - 1 )$  ogf]  
A246987 8.27712 [  $-( 2x^4 - 21x^3 + 34x^2 - 11x + 1 ) / ( x - 1 ) / ( 6x - 1 ) / ( 4x - 1 ) / ( 2x - 1 ) / ( 5x - 1 )$  ogf]  
A246999 4.58973 [  $-24 * ( 50500000x^3 - 55230500x^2 + 4772305x - 8838 ) / ( x - 1 ) / ( 100x - 1 ) / ( 1000x - 1 ) / ( 10x - 1 )$  ogf]  
A247004 5.91312 [  $-( x^{15} + 2x^{14} + x^{13} + x^{12} + x^{11} + 2x^{10} + x^9 + 4x^8 + x^7 + 2x^6 + x^5 + 2x^4 + x^3 + 2x^2 + x + 4 ) / ( x - 1 ) / ( x + 1 ) / ( x^2 + 1 ) / ( x^4 + 1 ) / ( x^8 + 1 )$  ogf]  
A247007 9.91397 [  $( -2x^{23} - x^{20} + 529079040x + 529079040 ) / ( x^{22} - x^{21} + x^{20} + 529079040x^3 - 529079040 )$  lgdegf]  
A247018 8.75149 [  $-( 3x^4 + 2x^3 - 4x^2 + 2x + 3 ) / ( x + 1 )^2 / ( x - 1 )^3$  ogf]  
A247029 3.91109 [  $\{( 6912n^3 + 31104n^2 + 42768n + 17496 ) * a(n+1) + ( n^3 + 9n^2 + 26n + 24 ) * a(n+4), a(0) = 1, a(1) = 3, a(2) = -18, a(3) = 180\}$ , ogf]  
A247035 8.52423 [  $2 * ( x + 1 ) * ( x^4 + 6x^3 + 5x^2 + 6x + 1 ) / ( x^2 - 3x + 1 ) / ( x^4 + 3x^3 + 8x^2 + 3x + 1 )$  ogf]  
A247049 11.5581 [  $-( x^5 + x^4 - x^3 + 1 ) / ( x^6 + x^3 - 1 )$  ogf]  
A247050 11.4985 [  $-x * ( x^7 + x^4 + x^2 + 1 ) / ( x + 1 ) / ( x^2 - x + 1 ) / ( x^6 + x^3 - 1 )$  ogf]  
A247051 10.8970 [  $x^2 * ( x^6 - x^4 - x^2 - 1 ) / ( x + 1 ) / ( x^2 - x + 1 ) / ( x^6 + x^3 - 1 )$  ogf]  
A247060 9.83617 [  $( x + 1 ) * ( 4x^3 + 3x + 1 ) / ( x^4 + x^3 + x^2 + x + 1 ) / ( x - 1 )^2$  ogf]  
A247061 11.0424 [  $( 8x^2 + 7x + 1 ) / ( x^2 + x + 1 ) / ( x - 1 )^2$  ogf]  
A247061 3.91622 [  $\{(-16n - 57) * a(n+1) - 16 * a(n+2) - 16 * a(n+3) + ( 16n + 41 ) * a(n+4), a(0) = 1, a(1) = 8, a(2) = 16, a(3) = 17\}$ , ogf]  
A247062 6.85505 [  $( 4x^7 + x^6 + 3x^5 + 2x^4 + x^3 + 3x^2 + x + 1 ) / ( x + 1 ) / ( x^2 + 1 ) / ( x^4 + 1 ) / ( x - 1 )^2$  ogf]  
A247063 6.83347 [  $( 3x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + 2x^6 + x^5 + x^4 + x^3 + x^2 + x + 1 ) / ( x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1 ) / ( x - 1 )^2$  ogf]  
A247065 9.53135 [  $( x + 1 ) * ( 15x^5 - 6x^4 + 14x^3 - 6x^2 + 14x + 1 ) / ( x^6 + x^5 + x^4 + x^3 + x^2 + x + 1 ) / ( x - 1 )^2$  ogf]  
A247066 7.93898 [  $( 5x^{10} + 3x^9 + 3x^8 + 4x^7 + x^6 + 4x^5 + 4x^4 + 2x^3 + 4x^2 + x + 1 ) / ( x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1 ) / ( x - 1 )^2$  ogf]  
A247076 13.3288 [  $( x - 1 ) * ( x^2 + x + 1 ) / ( 5x^3 + 2x^2 + 2x - 1 )$  ogf]  
A247076 5.71235 [  $\{a(n+4) - 2a(n+3) - 2a(n+2) - 5a(n+1), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 20\}$ , ogf]  
A247076 7.23564 [  $( -2x^4 - 4x^3 - 12x^2 - 4x - 2 ) / ( 5x^6 + 2x^5 + 2x^4 - 6x^3 - 2x^2 - 2x + 1 )$  lgdogf]  
A247107 9.21498 [  $-x * ( 10x^{10} - 10x^9 + 1 ) / ( 10x^9 - 1 ) / ( x - 1 )^2$  ogf]  
A247112 4.31721 [  $\{( n^2 + 7n + 10 ) * a(n+1) + ( 10n^2 + 90n + 214 ) * a(n+2) + ( -11n^2 - 49n - 54 ) * a(n+3), a(0) = 0, a(1) = 8, a(2) = 67\}$ , ogf]  
A247112 8.44873 [  $-x * ( x^3 + 12x^2 + 27x + 8 ) / ( x - 1 )^5$  ogf]  
A247112 9.03140 [  $( 2x^3 + 39x^2 + 132x + 67 ) / ( x^4 + 11x^3 + 15x^2 - 19x - 8 )$  lgdogf]  
A247121 13.1530 [  $( 4x^3 - 1 ) / ( 20x^3 + 8x^2 + 2x - 1 )$  ogf]  
A247121 5.65093 [  $\{a(n+4) - 2a(n+3) - 8a(n+2) - 20a(n+1), a(0) = 1, a(1) = 2, a(2) = 12, a(3) = 56\}$ , ogf]  
A247121 6.87275 [  $( -32x^4 + 16x^3 + 48x^2 + 16x + 2 ) / ( -80x^6 - 32x^5 - 8x^4 + 24x^3 + 8x^2 + 2x - 1 )$  lgdogf]  
A247124 6.87443 [  $-( x - 1 )^2 * ( x^4 + x^3 + x^2 + x + 1 )^2 / ( x^{15} + x^{13} + x^{11} - 3x^{10} - 2x^8 - 2x^6 + 6x^5 + x^3 + x - 1 )$  ogf]  
A247125 12.8581 [  $-1 / ( 2x^6 + 6x^5 + 12x^4 + x^3 + 2x^2 - 1 )$  ogf]  
A247125 7.38152 [  $( -12x^5 + 30x^4 + 48x^3 + 3x^2 + 4x ) / ( 2x^6 + 6x^5 + 12x^4 + x^3 + 2x^2 - 1 )$  lgdogf]  
A247128 8.59708 [  $( 5x^4 + 4x^3 + 4x^2 + 4x + 5 ) / ( x^4 + x^3 + x^2 + x + 1 ) / ( x - 1 )^2$  ogf]  
A247155 24.2324 [  $\{a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = 32, a(1) = 125, a(2) = 280\}$ , ogf]  
A247155 41.0897 [  $( -x^2 - 60x - 125 ) / ( -x^3 - 28x^2 - 3x + 32 )$  lgdogf]

A247155 45.0030 [  $-(x^2+29x+32)/(x-1)^3$  ogf]  
A247160 5.76543 [  $(2x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf]  
A247161 8.00891 [  $(3x^{10}+x^9+x^8+2x^7+x^6+2x^5+x^4+x^3+2x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A247172 7.48729 [  $-1/2*(-2x^2+(4x^4+8x^3+4x^2+1)^{1/2}-2x-1)/(x+1)$  revogf]  
A247188 10.8758 [  $-(2x^3-10x^2+19x-9)/(2x^4-9x^3+16x^2-12x+3)$  lgdogf]  
A247188 13.2400 [  $-x^3*(x^2-3x+3)/(2x-1)/(x-1)^2$  ogf]  
A247188 5.34247 [  $\{( -2n-4)*a(n+1)+(3n+4)*a(n+2)+(-n-1)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 3, a(4) = 9\}$ , ogf]  
A247215 13.6235 [  $-8x/(x-1)/(x^2-34x+1)$  ogf]  
A247215 5.56787 [  $\{a(n+3)-35a(n+2)+35a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 280\}$ , ogf]  
A247215 9.41625 [  $-(3x^2-70x+35)/(x^3-35x^2+35x-1)$  lgdogf]  
A247235 7.17799 [  $-(2x+1)*(4x^2+1)*(19x^4+1)*(1800829x^8+1)/(21350096865126907517x^{16}-1)$  ogf]  
A247247 7.56603 [  $-x*(x+1)*(x^4+2x^3+19x^2+2x+1)/(x-1)/(x^2+x+1)/(x^6-98x^3+1)$  ogf]  
A247249 16.6263 [  $-(-1-x)/(-2x+1)$  lgdegf]  
A247249 4.96307 [  $\{(-n-2)*a(n+1)+(-2n-5)*a(n+2)+a(n+3), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf]  
A247281 12.4766 [  $-(-8x-3)/(-4x^2-3x+1)$  lgdogf]  
A247281 16.1859 [  $-5x/(x+1)/(4x-1)$  ogf]  
A247281 7.39357 [  $\{-a(n+2)+3a(n+1)+4a(n), a(0) = 0, a(1) = 5\}$ , ogf]  
A247283 12.8231 [  $(3x^5-x^3+x^2-7x-5)/(2x^2-1)$  ogf]  
A247283 7.57727 [  $(-18x^6+17x^4-17x^2-18x-7)/(6x^7-5x^5+2x^4-13x^3-11x^2+7x+5)$  lgdogf]  
A247284 8.63817 [  $-(10x^6-10x^5+x^4+x^3+5x^2-2x-4)/(x-1)/(3x^2-1)$  ogf]  
A247301 7.76609 [  $-(x^4+x^3+x^2+x+1)*(x^{10}-x^9+2x^7-2x^6+x^4-x+1)/(2x^9+2x^6-1)$  ogf]  
A247302 11.7106 [  $-x*(x^7+x^4+x^2+1)/(2x^9+2x^6-1)$  ogf]  
A247309 11.5575 [  $(x^5+x^4-2x^3+1)/(x^6-3x^3+1)$  ogf]  
A247310 8.25282 [  $-(x^{10}-x^7+x^6-x^5-x^4-1)/(x^6+x^3-1)/(x^6-x^3-1)$  ogf]  
A247311 7.02352 [  $(x^7+x^3-x^2-x-1)/(x^2+x+1)/(x^6+2x^3-1)$  ogf]  
A247313 10.2711 [  $-(-40x^2+20x-3)/(-40x^3+38x^2-11x+1)$  lgdogf]  
A247313 15.4066 [  $-(4x-1)/(5x-1)/(2x-1)$  ogf]  
A247313 8.53861 [  $\{a(n+2)-7a(n+1)+10a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A247321 5.59778 [  $(2x^{15}+x^{14}-x^{13}-x^{12}+2x^{11}+x^{10}+x^9-2x^8+x^6+x^5+1)/(x^{16}-2x^{12}-3x^8+1)$  ogf]  
A247322 10.5791 [  $(x^2+x+1)*(x+1)/(x^4-2x^3-3x^2+1)$  ogf]  
A247323 11.6177 [  $-(x+1)*(x^2+x-1)/(x^4-2x^3-3x^2+1)$  ogf]  
A247323 6.51727 [  $\{a(n+4)-3a(n+2)-2a(n+1)+a(n), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 1\}$ , ogf]  
A247325 11.6854 [  $x*(x^2+x+1)/(x^4-2x^3-3x^2+1)$  ogf]  
A247325 7.75281 [  $-(2x^5+x^4-9x^2-8x-1)/(x^6-x^5-4x^4-5x^3-2x^2+x+1)$  lgdogf]  
A247326 12.3494 [  $2x^2*(x+1)/(x^4-2x^3-3x^2+1)$  ogf]  
A247326 9.12168 [  $-(3x^4-9x^2-6x-1)/(x^5-x^4-5x^3-3x^2+x+1)$  lgdogf]  
A247328 10.1052 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A247328 18.4139 [  $(x+1)/(x-1)^2$  ogf]  
A247328 18.8324 [  $-(x+3)/(x^2-1)$  lgdogf]  
A247328 39.3060 [  $[3-x]$  ogf\_with\_Euler\_transform]  
A247335 4.95274 [  $\{-a(n+3)+39a(n+2)-39a(n+1)+a(n), a(0) = 1, a(1) = 10, a(2) = 361\}$ , ogf]  
A247335 8.91494 [  $-(10x^2-29x+1)/(x-1)/(x^2-38x+1)$  ogf]  
A247344 4.72171 [  $-(976x^4-624x^3+176x^2-24x+1)/(1280x^5-1600x^4+800x^3-200x^2+25x-1)$  ogf]  
A247352 6.51724 [  $x*(x+1)*(x^{13}-x^{12}+x^{11}-2x^{10}+3x^9-x^8+x^5+x^2-x+1)/(x^{16}-2x^{12}-3x^8+1)$  ogf]  
A247353 12.0439 [  $(x+1)*(2x+1)/(x^4-2x^3-3x^2+1)$  ogf]  
A247354 12.5717 [  $-x*(x-1)*(x+1)/(x^4-2x^3-3x^2+1)$  ogf]

A247354 6.28584 [  $\{-a(n+4)+3a(n+2)+2a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 2\}$ , ogf]  
A247354 7.37378 [  $\{-(-2x^5+2x^4+4x^3-6x^2-4x)/(-x^6+2x^5+4x^4-2x^3-4x^2+1) \text{ lgdogf}\}$   
A247355 12.7060 [  $x*(2x+1)/(x^4-2x^3-3x^2+1)$  ogf]  
A247355 7.99037 [  $\{-(-6x^4+4x^3+12x^2+6x+2)/(-2x^5+3x^4+8x^3+3x^2-2x-1) \text{ lgdogf}\}$   
A247375 9.14328 [  $-x*(3x^3-x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A247375 9.14328 [  $\{-(6x^4+12x^2+4x+2)/(3x^5-x^4-2x^3+2x^2-x-1) \text{ lgdogf}\}$   
A247386 11.7597 [  $\{-(x^3-3x^2-6x-4)/(x^2+2x+2) \text{ lgdegf}\}$   
A247386 4.04635 [  $\{(-n^3-7n^2-16n-12)*a(n+1)+(-n^2-3n)*a(n+2)+(n^2+n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6\}$ , ogf]  
A247387 9.53442 [  $\{-(7x^6+8x^5+14x^4+42x^3+21x^2+42x+21)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1) \text{ ogf}\}$   
A247390 7.25966 [  $\{-(10x^9+11x^8+20x^7+41x^6+40x^5+11x^4+11x^3+21x^2+40x+41)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) \text{ ogf}\}$   
A247391 6.30451 [  $\{-(11x^{10}+12x^9+22x^8+55x^7+110x^6+110x^5+110x^4+55x^3+55x^2+55x+110)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1) \text{ ogf}\}$   
A247397 5.53362 [[2] ogf\_with\_Euler\_transform]  
A247399 5.30688 [  $\{-4*(336x^9+278x^8+226x^7+180x^6+140x^5-132x^4-107x^3-85x^2-66x-50)/(4x^5-1)/(2x^5-1) \text{ ogf}\}$   
A247405 3.48498 [  $\{40x*(17x^8+x^7+12x^6+10x^5+12x^4+11x^3+6x^2+2x+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^6 \text{ ogf}\}$   
A247452 27.8356 [3\*exp(3\*x) lgdegf]  
A247473 12.3401 [  $\{-(2048x^8+64x^4+16x^3+2x+1)/(2x-1) \text{ ogf}\}$   
A247487 7.64561 [  $\{-(8x^7+4x^6+2x^5+x^4-x^3-x^2-x-2)/(2x^2-x+1)/(2x^2+x+1)/(4x^4-3x^2+1) \text{ ogf}\}$   
A247518 7.11532 [  $\{-(256x^4-144x^3+45x^2-9x+1)/(4x-1)/(16x^2-6x+1)/(16x^2-x+1) \text{ ogf}\}$   
A247526 7.31615 [  $\{-(4x^4-6x^3+24x^2+4x-1)/(x-1)/(x^2+3x+1)/(x^2-7x+1) \text{ ogf}\}$   
A247527 9.13606 [  $\{-(108x^4-20x^3-16x^2-12x-33)/(x-1)/(2x^2-1)/(2x^2+1) \text{ ogf}\}$   
A247528 5.62295 [  $\{-2*(32x^6-9x^5-38x^4+6x^3-26x^2-20x+44)/(x-1)/(x^6-x^4-x^2-x+1) \text{ ogf}\}$   
A247534 6.89944 [  $\{-(x^5-2x^4-32x^3-38x^2-29x-8)/(x+1)^2/(x-1)^4 \text{ ogf}\}$   
A247535 3.64207 [  $\{-(x^{11}-120x^9-330x^8-661x^7-892x^6-963x^5-774x^4-484x^3-212x^2-61x-8)/(x^2+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^4 \text{ ogf}\}$   
A247541 12.7084 [  $\{-(8x^2-26x-8)/(-8x^3+3x^2+4x+1) \text{ lgdogf}\}$   
A247541 13.5417 [  $\{-(8x^2+5x+1)/(x-1)^3 \text{ ogf}\}$   
A247541 7.31013 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 8, a(2) = 29\}$ , ogf]  
A247555 8.00072 [  $\{x*(4x^6+2x^5+x^4+8x^3+4x^2+2x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2 \text{ ogf}\}$   
A247560 11.5014 [  $\{-(8x^2-8x+1)/(8x^3-10x^2+5x-1) \text{ lgdogf}\}$   
A247560 16.6131 [  $\{-(2x-1)/(4x^2-3x+1) \text{ ogf}\}$   
A247560 9.11693 [  $\{a(n+2)-3a(n+1)+4a(n), a(0) = 1, a(1) = 1\}$ , ogf]  
A247563 10.8495 [  $\{-(12x^2-16x+3)/(12x^3-17x^2+9x-2) \text{ lgdogf}\}$   
A247563 16.3948 [  $\{-(3x-2)/(4x^2-3x+1) \text{ ogf}\}$   
A247563 8.99712 [  $\{-a(n+2)+3a(n+1)-4a(n), a(0) = 2, a(1) = 3\}$ , ogf]  
A247564 11.1679 [  $\{-(x+1)*(2x^2+x-2)/(4x^4-3x^2+1) \text{ ogf}\}$   
A247565 12.9025 [  $\{-(8x^2-7x+2)/(2x-1)/(4x^2-3x+1) \text{ ogf}\}$   
A247565 7.07924 [  $\{a(n+3)-5a(n+2)+10a(n+1)-8a(n), a(0) = 2, a(1) = 3, a(2) = 3\}$ , ogf]  
A247565 7.40698 [  $\{-(64x^4+112x^3-78x^2+24x-3)/(-64x^5+136x^4-126x^3+63x^2-17x+2) \text{ lgdogf}\}$   
A247584 8.57026 [  $\{-(x-1)^4/(3x^5-5x^4+10x^3-10x^2+5x-1) \text{ ogf}\}$   
A247591 3.73443 [  $\{(-144n^3-864n^2-1692n-1080)*a(n+1)+(40n^3+396n^2+1268n+1320)*a(n+2)+(-n^3-17n^2-96n-180)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]

A247594 12.8970 [  $-(2*x^2+x+1)/(3*x^3+x^2+x-1)$  ogf]  
A247594 7.02424 [  $\{-a(n+3)+a(n+2)+a(n+1)+3*a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A247594 9.36565 [  $\{-(-6*x^4-6*x^3-8*x^2-6*x-2)/(-6*x^5-5*x^4-6*x^3+1)$  lgdogf]  
A247595 12.5640 [  $-(2*x^2-x+1)/(4*x^3-4*x^2+4*x-1)$  ogf]  
A247595 6.78235 [  $\{a(n+3)-4*a(n+2)+4*a(n+1)-4*a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]  
A247595 7.74147 [  $\{-(-8*x^4+8*x^3-8*x^2+4*x-3)/(-8*x^5+12*x^4-16*x^3+10*x^2-5*x+1)$  lgdogf]  
A247608 10.1452 [  $(10*x^3+6*x^2+3*x+1)/(x-1)^4$  ogf]  
A247608 3.86014 [  $\{(-n^2-10*n-16)*a(n+1)+(2*n^2+12*n-5)*a(n+2)+(-n^2-2*n+3)*a(n+3), a(0) = 1, a(1) = 7, a(2) = 28, a(3) = 84, a(4) = 195\}$ , ogf]  
A247608 9.42058 [  $\{-(-10*x^3-42*x^2-21*x-7)/(-10*x^4+4*x^3+3*x^2+2*x+1)$  lgdogf]  
A247609 3.58738 [  $\{(n^2+12*n+20)*a(n+1)+(-2*n^2-13*n+18)*a(n+2)+(n^2+n-6)*a(n+3), a(0) = 1, a(1) = 9, a(2) = 45, a(3) = 165, a(4) = 495, a(5) = 1231\}$ , ogf]  
A247609 7.65767 [  $\{-(35*x^4+180*x^3+90*x^2+36*x+9)/(35*x^5-15*x^4-10*x^3-6*x^2-3*x-1)$  lgdogf]  
A247609 8.12651 [  $\{-(35*x^4+20*x^3+10*x^2+4*x+1)/(x-1)^5$  ogf]  
A247610 6.75375 [  $(126*x^5+70*x^4+35*x^3+15*x^2+5*x+1)/(x-1)^6$  ogf]  
A247611 5.40734 [  $\{-(462*x^6+252*x^5+126*x^4+56*x^3+21*x^2+6*x+1)/(x-1)^7$  ogf]  
A247612 4.86034 [  $(1716*x^7+924*x^6+462*x^5+210*x^4+84*x^3+28*x^2+7*x+1)/(x-1)^8$  ogf]  
A247613 3.97812 [  $\{-(6435*x^8+3432*x^7+1716*x^6+792*x^5+330*x^4+120*x^3+36*x^2+8*x+1)/(x-1)^9$  ogf]  
A247614 3.38749 [  $\{-(24310*x^9+12870*x^8+6435*x^7+3003*x^6+1287*x^5+495*x^4+165*x^3+45*x^2+9*x+1)/(x-1)^10$  ogf]  
A247614 5.28082 [  $19-24310*x^9*(x^8-144/17*x^7+63/2*x^6-336/5*x^5+90*x^4-1008/13*x^3+42*x^2-144/11*x+9/5)$  ogf\_with\_Euler\_transform]  
A247617 5.60819 [  $\{-(3*x^11+x^10+x^9-x^8-4*x^7-2*x^6-4*x^5-7*x^3-3*x^2-5*x-1)/(x^4+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A247618 12.1597 [  $-(2*x^2+x+1)/(2*x-1)/(x-1)^2$  ogf]  
A247618 6.56409 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 5, a(2) = 17\}$ , ogf]  
A247618 9.27178 [  $\{-(-4*x^3-8*x^2-x+5)/(-4*x^4+4*x^3-x^2+2*x-1)$  lgdogf]  
A247619 10.3931 [  $-(2*x^3+3*x^2+4*x+1)/(2*x^2-1)/(x-1)^2$  ogf]  
A247619 3.92289 [  $\{(10*n+34)*a(n+1)+(-10*n-24)*a(n+2)+(-5*n-17)*a(n+3)+(5*n+12)*a(n+4), a(0) = 1, a(1) = 6, a(2) = 16, a(3) = 36\}$ , ogf]  
A247619 7.47916 [  $\{-(-4*x^5-16*x^4-26*x^3+6*x^2+14*x+6)/(-4*x^6-2*x^5+7*x^3+3*x^2-3*x-1)$  lgdogf]  
A247620 10.9987 [  $\{-(-4*x^3-16*x^2+x+7)/(-4*x^4+5*x^2-1)$  lgdogf]  
A247620 12.4412 [  $-(x+1)*(2*x+1)/(2*x-1)/(x-1)^2$  ogf]  
A247620 6.71604 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 7, a(2) = 25\}$ , ogf]  
A247641 6.09481 [  $\{-(x^12-2*x^11-4*x^10-2*x^9-2*x^8-2*x^7-2*x^6-2*x^5-2*x^4-2*x^3-2*x^2-3*x)/(x^11-1)$  ogf\_with\_Euler\_transform]  
A247643 8.95978 [  $-(x^4+2*x^3+4*x^2+2*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A247698 10.3972 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 2308, a(1) = 4261\}$ , ogf]  
A247698 10.8923 [  $\{-(-1953*x^2-4616*x-4261)/(-1953*x^3-4261*x^2-355*x+2308)$  lgdogf]  
A247698 17.9403 [  $-(1953*x+2308)/(x^2+x-1)$  ogf]  
A247720 8.39221 [  $-2*(54*x^4+5*x^3+4*x^2+3*x-24)/(2*x-1)/(2*x^4-1)$  ogf]  
A247727 13.5826 [  $\{-(-3*x^2-6*x-6)/(-x^3+1)$  lgdogf]  
A247727 28.0032 [  $[-x^2+6]$  ogf\_with\_Euler\_transform]  
A247727 4.17926 [  $\{(-n-4)*a(n+4)+6*a(n+3)+6*a(n+2)+(n+4)*a(n+1), a(0) = 8, a(1) = 48, a(2) = 168, a(3) = 440\}$ , ogf]  
A247727 8.94044 [  $-8*(x^2+x+1)/(x-1)^5$  ogf]  
A247728 5.47261 [  $2*(23*x^5+40*x^4+80*x^3+64*x^2+29*x+4)/(x+1)^2/(x-1)^6$  ogf]  
A247792 13.7200 [  $\{-(10*x^2+34*x+10)/(10*x^3-3*x^2-6*x-1)$  lgdogf]

A247792 15.0477 [  $-(2*x+1)*(5*x+1)/(x-1)^3$  ogf]  
A247792 8.18385 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 10, a(2) = 37\}$ , ogf]  
A247817 15.8932 [  $-(8*x-5)/(4*x^2-5*x+1)$  lgdogf]  
A247817 20.0757 [  $16*x/(4*x-1)/(x-1)$  ogf]  
A247817 9.30335 [  $\{a(n+2)-5*a(n+1)+4*a(n), a(0) = 0, a(1) = 16\}$ , ogf]  
A247829 8.01124 [  $x*(3*x^7-3*x^6-14*x^4-6*x^3-2*x^2+3*x+1)/(x-1)^3/(x^2+x+1)^3$  ogf]  
A247840 13.2965 [  $-(12*x-7)/(6*x^2-7*x+1)$  lgdogf]  
A247840 17.1454 [  $36*x/(6*x-1)/(x-1)$  ogf]  
A247840 7.94545 [  $\{a(n+2)-7*a(n+1)+6*a(n), a(0) = 0, a(1) = 36\}$ , ogf]  
A247841 13.5725 [  $-(16*x-9)/(8*x^2-9*x+1)$  lgdogf]  
A247841 17.5014 [  $64*x/(8*x-1)/(x-1)$  ogf]  
A247841 8.11039 [  $\{a(n+2)-9*a(n+1)+8*a(n), a(0) = 0, a(1) = 64\}$ , ogf]  
A247842 13.6276 [  $-(18*x-10)/(9*x^2-10*x+1)$  lgdogf]  
A247842 17.8207 [  $81*x/(9*x-1)/(x-1)$  ogf]  
A247842 8.37360 [  $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 0, a(1) = 81\}$ , ogf]  
A247850 6.54644 [  $-8*x*(x^4-4*x^3-474*x^2-4*x+1)/(x-1)^6$  ogf]  
A247850 7.04522 [  $-(-2*x^4+8*x^3+1908*x^2+968*x-2)/(-x^5+5*x^4+470*x^3-470*x^2-5*x+1)$  lgdogf]  
A247851 4.89270 [  $-8*(23*x^6-264*x^5+2971*x^4+3496*x^3-579*x^2+128*x-15)/(x-1)^7$  ogf]  
A247852 4.33268 [  $16*x*(29*x^6-426*x^5+4803*x^4+31508*x^3+4803*x^2-426*x+29)/(x-1)^8$  ogf]  
A247853 3.40270 [  $16*(103*x^8-872*x^7+948*x^6-319064*x^5-332294*x^4+9768*x^3-4652*x^2+1048*x-105)/(x-1)^9$  ogf]  
A247884 5.17041 [  $-(5*x^7+7*x^6+21*x^5-56*x^4+14*x^3+24*x^2-67*x+9)/(10*x-1)/(x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A247903 10.2514 [  $-(2*x^3+2*x^2+3*x+1)/(2*x^2-1)/(x-1)^2$  ogf]  
A247903 3.86940 [  $\{(16*n+54)*a(n+1)+(-16*n-38)*a(n+2)+(-8*n-27)*a(n+3)+(8*n+19)*a(n+4), a(0) = 1, a(1) = 5, a(2) = 13, a(3) = 29\}$ , ogf]  
A247903 7.97330 [  $-(4*x^5+12*x^4+20*x^3-4*x^2-11*x-5)/(4*x^6-4*x^3-3*x^2+2*x+1)$  lgdogf]  
A247904 12.3849 [  $-(2*x^2+2*x+1)/(2*x-1)/(x-1)^2$  ogf]  
A247904 6.68565 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 6, a(2) = 21\}$ , ogf]  
A247904 9.81140 [  $-(-4*x^3-12*x^2+6)/(-4*x^4+2*x^3+2*x^2+x-1)$  lgdogf]  
A247905 10.5642 [  $-(-4*x^5-20*x^4-32*x^3+8*x^2+17*x+7)/(-4*x^6-4*x^5+10*x^3+3*x^2-4*x-1)$  lgdogf]  
A247905 14.8173 [  $-(2*x^3+4*x^2+5*x+1)/(2*x^2-1)/(x-1)^2$  ogf]  
A247905 5.53850 [  $\{(24*n+82)*a(n+1)+(-24*n-58)*a(n+2)+(-12*n-41)*a(n+3)+(12*n+29)*a(n+4), a(0) = 1, a(1) = 7, a(2) = 19, a(3) = 43\}$ , ogf]  
A247907 10.0769 [  $1/(x-1)/(x^2+1)/(x^2-x+1)/(x^3+x^2-1)$  ogf]  
A247917 13.5287 [  $-(-3*x^2+1)/(-x^3+x+1)$  lgdogf]  
A247917 21.3179 [  $-1/(x^3-x-1)$  ogf]  
A247917 7.48395 [  $\{-a(n+3)-a(n+2)+a(n), a(0) = 1, a(1) = -1, a(2) = 1\}$ , ogf]  
A247918 8.54201 [  $1/(x-1)/(x^2+1)/(x^2-x+1)/(x^3-x-1)$  ogf]  
A247919 11.6006 [  $-(-5*x^4+4*x^3)/(-x^5+x^4+1)$  lgdogf]  
A247919 21.0921 [  $-1/(x^2-x+1)/(x^3-x-1)$  ogf]  
A247920 11.0858 [  $-(-5*x^4+2*x+1)/(-x^5+x^2+x+1)$  lgdogf]  
A247920 17.3047 [  $-1/(x^2+1)/(x^3-x-1)$  ogf]  
A247928 4.10544 [  $-(x^{10}-2*x^9+679*x^8+691*x^7+1021*x^6+1063*x^5+969*x^4+749*x^3+418*x^2+139*x+32)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A247969 3.39517 [  $-(82*x^9+34*x^8+21*x^6+4)/(x-1)$  ogf]  
A247970 4.15694 [  $-(116*x^9+21*x^7+3)/(x-1)$  ogf]  
A247971 5.48314 [  $-(x^{14}-x^{13}-x^{12}-x^{11}-x^{10}-x^8-x^7-x^6-x^4-x^2-x-1)/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A247974 9.39248 [  $(x+1)*(x^{11}-2*x^{10}+2*x^9-2*x^8+2*x^7-2*x^6+2*x^5-2*x^4+2*x^3+x^2+4*x+1)/(x^2+x+1)/$

$(x-1)^2$  ogf]  
A247996 5.12343 [  $-4*(83*x^5+21*x^4+106*x^3+91*x^2+51*x+8)/(x+1)/(x-1)^7$  ogf]  
A248016 5.71457 [  $-x^2*(x^2+1)*(x^4-6*x^2-4*x-3)/(x+1)^4/(x-1)^8$  ogf]  
A248045 5.66573 [  $\{(16*n^2+64*n+60)*a(n+1)+(-n-3)*a(n+2), a(0) = 1, a(1) = 6\}$ ,  
ogf]  
A248060 3.70753 [  $x^2*(x^8-4*x^6+8*x^5+26*x^4+40*x^3+16*x^2+8*x+1)/(x+1)^4/$   
 $(x-1)^{10}$  ogf]  
A248069 5.29671 [  $-(x^6-5*x^5-322*x^4-362*x^3-427*x^2-173*x-32)/(x+1)/(x-1)^6$   
ogf]  
A248086 6.64683 [  $x^2*(3*x^3+5*x^2-2*x-5)/(x-1)/(x+1)^2/(x^2+x-1)^2$  ogf]  
A248088 11.7352 [  $-(-36*x^2-12*x-4)/(-9*x^3-3*x^2-x+1)$  lgdogf]  
A248088 25.8174 [  $1/(3*x^2+2*x+1)/(3*x-1)^2$  ogf]  
A248088 3.87261 [  $\{(n+4)*a(n+4)+(-7-n)*a(n+3)+(-18-3*n)*a(n+2)+(-45-9*n)*a(n+1),$   
 $a(0) = 1, a(1) = 4, a(2) = 16, a(3) = 64\}$ , ogf]  
A248089 11.5354 [  $(4*x-1)^2/(27*x^2-10*x+1)/(x-1)^2$  ogf]  
A248089 4.12378 [  $\{(-81*n-189)*a(n+1)+(111*n+178)*a(n+2)+(-33*n-47)*a(n+3)+(3*n$   
 $+4)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 16, a(3) = 64\}$ , ogf]  
A248089 9.38046 [  $-(-216*x^3+148*x^2-44*x+4)/(-108*x^4+175*x^3-81*x^2+15*x-1)$   
lgdogf]  
A248091 6.31382 [  $x^3*(x^5+x^4-x^3-x^2-2*x+1)/(x+1)/(3*x^4-x^3+x^2-3*x+1)$  ogf]  
A248094 6.64280 [  $-3*x*(x^4-4*x^3-13*x^2+50*x+14)/(x-1)^7$  ogf]  
A248094 7.71830 [  $-(3*x^4-12*x^3-77*x^2+274*x+148)/$   
 $(x^5-5*x^4-9*x^3+63*x^2-36*x-14)$  lgdogf]  
A248098 11.3884 [  $(2*x^3-x^2-x+1)/(x-1)/(x^3+x^2+x-1)$  ogf]  
A248100 11.0376 [  $1/2/(x^2+1)*(-1+(4*x^3+4*x+1)^{1/2})$  revogf]  
A248121 8.32895 [  $-(2*x^4+12*x^3+18*x^2+13*x+9)/(x^5+3*x^4+2*x^3-x^2-3*x-2)$   
lgdogf]  
A248121 9.70078 [  $-(x+2)*(x+1)^2/(x^2+x+1)/(x-1)^3$  ogf]  
A248148 7.91951 [  $-(x^{12}-x^{11}+x^6-x^4-x^3-x^2-x-1)/(x^4+x^3+x^2+x+1)/(x-1)^2$   
ogf]  
A248152 5.95953 [  $\{(16*n^2+80*n+84)*a(n+1)+(-n^2-10*n-24)*a(n+2), a(0) = 3, a(1)$   
 $= 4\}$ , ogf]  
A248155 11.7922 [  $-(x^2-x-1)/(x+1)/(2*x+1)$  ogf]  
A248155 6.12731 [  $\{-a(n+3)-3*a(n+2)-2*a(n+1), a(0) = 1, a(1) = -2, a(2) = 3\}$ ,  
ogf]  
A248155 8.68036 [  $-(5*x^2+6*x+2)/(-2*x^4-x^3+4*x^2+4*x+1)$  lgdogf]  
A248157 12.6262 [  $-(2+4*x)/(-2*x^3-2*x^2+x+1)$  lgdogf]  
A248157 14.4300 [  $-(2*x^2-1)/(x+1)^2$  ogf]  
A248157 6.93206 [  $\{a(n+3)+2*a(n+2)+a(n+1), a(0) = 1, a(1) = -2, a(2) = 1\}$ , ogf]  
A248158 10.2829 [  $-(2*x^2-4*x-3)/(2*x^3+2*x^2-x-1)$  lgdogf]  
A248158 11.5457 [  $-(2*x^2-1)/(x+1)^3$  ogf]  
A248158 5.87593 [  $\{-a(n+3)-3*a(n+2)-3*a(n+1)-a(n), a(0) = 1, a(1) = -3, a(2) =$   
 $4\}$ , ogf]  
A248159 10.0630 [  $-(2*x^2-1)/(x+1)^4$  ogf]  
A248159 10.2202 [  $-(-4*x^2+4*x+4)/(-2*x^3-2*x^2+x+1)$  lgdogf]  
A248160 11.2170 [  $-(2*x^2-1)/(x+1)^5$  ogf]  
A248160 13.1449 [  $-(6*x^2-4*x-5)/(2*x^3+2*x^2-x-1)$  lgdogf]  
A248160 4.42775 [  $\{(-n-4)*a(n+4)+(-8-n)*a(n+3)+2*n*a(n+2)+(8+2*n)*a(n+1), a(0) =$   
 $1, a(1) = -5, a(2) = 13, a(3) = -25\}$ , ogf]  
A248161 10.5899 [  $(x^2-x+2)/(x^2-3*x+1)/(x+1)$  ogf]  
A248161 5.71668 [  $\{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 2, a(1) = 3, a(2) = 11\}$ ,  
ogf]  
A248163 11.4709 [  $-(18*x-34)/(9*x^2-34*x+1)$  lgdogf]  
A248163 17.2064 [  $1/(9*x^2-34*x+1)$  ogf]  
A248163 6.96448 [  $\{-a(n+2)+34*a(n+1)-9*a(n), a(0) = 1, a(1) = 34\}$ , ogf]  
A248168 15.6370 [  $-(33*x-7)/(33*x^2-14*x+1)$  lgdogf]  
A248168 5.14508 [  $\{(-n-3)*a(n+3)+(35+14*n)*a(n+2)+(-66-33*n)*a(n+1), a(0) = 1,$   
 $a(1) = 7, a(2) = 57\}$ , ogf]  
A248180 9.79457 [  $-(x^{19}-x^{18}-x^3+x^2-1)/(x+1)/(x-1)^2$  ogf]  
A248183 5.61631 [  $(x+1)*(x^2-x+1)*(x^{16}+x^{11}+x^{10}+x^6+x^4+1)/$   
 $(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$



ogf]

A248186 5.91347 [  $(x^{15}+x^{14}-x^{13}+x^{12}+x^{11}+x^{10}+x^8+x^7+x^5+x^4+1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]

A248193 9.15156 [  $-(-6*x^{11}+7*x^6+6*x^5-x+1)/(-x^{12}+2*x^7+2*x^6-x^2+2*x-1)$  lgdogf]

A248205 11.0740 [  $(49*x-1)/(x-1)/(x^2-98*x+1)$  ogf]

A248205 5.25545 [  $\{a(n+3)-99*a(n+2)+99*a(n+1)-a(n), a(0) = 1, a(1) = 50, a(2) = 4851\}$ , ogf]

A248205 6.45982 [  $-(98*x^3-4854*x^2+198*x-50)/(49*x^4-4852*x^3+4950*x^2-148*x+1)$  lgdogf]

A248216 13.3533 [  $-(24*x-8)/(12*x^2-8*x+1)$  lgdogf]

A248216 17.5701 [  $4*x/(6*x-1)/(2*x-1)$  ogf]

A248216 8.14226 [  $\{a(n+2)-8*a(n+1)+12*a(n), a(0) = 0, a(1) = 4\}$ , ogf]

A248217 13.1148 [  $-(32*x-10)/(16*x^2-10*x+1)$  lgdogf]

A248217 17.4865 [  $6*x/(8*x-1)/(2*x-1)$  ogf]

A248217 8.21653 [  $\{a(n+2)-10*a(n+1)+16*a(n), a(0) = 0, a(1) = 6\}$ , ogf]

A248225 13.3533 [  $-(36*x-9)/(18*x^2-9*x+1)$  lgdogf]

A248225 17.5701 [  $3*x/(3*x-1)/(6*x-1)$  ogf]

A248225 8.14226 [  $\{a(n+2)-9*a(n+1)+18*a(n), a(0) = 0, a(1) = 3\}$ , ogf]

A248226 13.7003 [  $-(60*x-13)/(30*x^2-13*x+1)$  lgdogf]

A248226 18.2671 [  $7*x/(10*x-1)/(3*x-1)$  ogf]

A248226 8.58335 [  $\{a(n+2)-13*a(n+1)+30*a(n), a(0) = 0, a(1) = 7\}$ , ogf]

A248229 6.38267 [  $(x^{30}-x^{29}+x^8+2*x^7+x^6+2*x^5+x^4+x^3+2*x^2+x+2)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]

A248230 6.33313 [  $-(x^6-5*x^5-4*x^4-19*x^3-19*x^2-14*x-12)/(x^2+1)/(x+1)/(x-1)^4$  ogf]

A248234 5.36451 [  $(x+1)*(x^7-4*x^6+7*x^5-9*x^4-15*x^3-56*x^2-41*x-27)/(x^2+x+1)/(x-1)^5$  ogf]

A248336 6.01845 [  $-2*x*(50*x^5+50*x^4-155*x^3-55*x^2+6*x+5)/(x-1)/(10*x+1)/(10*x-1)/(x+1)/(10*x^2-1)$  ogf]

A248337 12.7803 [  $-(48*x-10)/(24*x^2-10*x+1)$  lgdogf]

A248337 17.0404 [  $2*x/(6*x-1)/(4*x-1)$  ogf]

A248337 8.00692 [  $\{a(n+2)-10*a(n+1)+24*a(n), a(0) = 0, a(1) = 2\}$ , ogf]

A248338 13.7003 [  $-(80*x-14)/(40*x^2-14*x+1)$  lgdogf]

A248338 18.2671 [  $6*x/(10*x-1)/(4*x-1)$  ogf]

A248338 8.58335 [  $\{a(n+2)-14*a(n+1)+40*a(n), a(0) = 0, a(1) = 6\}$ , ogf]

A248339 13.8131 [  $-(3*x+41)/(3*x^2+16*x-19)$  lgdogf]

A248339 15.3146 [  $(3*x+19)/(x-1)^2$  ogf]

A248339 8.38655 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 19, a(1) = 41\}$ , ogf]

A248340 12.0394 [  $-(100*x-15)/(50*x^2-15*x+1)$  lgdogf]

A248340 16.3613 [  $5*x/(10*x-1)/(5*x-1)$  ogf]

A248340 7.68783 [  $\{a(n+2)-15*a(n+1)+50*a(n), a(0) = 0, a(1) = 5\}$ , ogf]

A248341 12.0394 [  $-(140*x-17)/(70*x^2-17*x+1)$  lgdogf]

A248341 16.3613 [  $3*x/(10*x-1)/(7*x-1)$  ogf]

A248341 7.68783 [  $\{a(n+2)-17*a(n+1)+70*a(n), a(0) = 0, a(1) = 3\}$ , ogf]

A248343 12.0394 [  $-(160*x-18)/(80*x^2-18*x+1)$  lgdogf]

A248343 16.3613 [  $2*x/(10*x-1)/(8*x-1)$  ogf]

A248343 7.68783 [  $\{a(n+2)-18*a(n+1)+80*a(n), a(0) = 0, a(1) = 2\}$ , ogf]

A248375 10.6480 [  $x*(2*x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]

A248378 7.11837 [  $-(900*x^{20}-900*x^{19}-90*x^{18}+810*x^{17}-810*x^{16}+10*x^2-9*x-12)/(x+1)/(x-1)^2$  ogf]

A248394 4.27298 [  $-(-3*x^{15}+2*x^{13}-3*x^{11}+2*x^9-2*x^7+2*x^5-3*x^3+2*x)/(x^{16}-1)$  ogf\_with\_Euler\_transform]

A248395 6.26019 [  $-(3*x^{15}-2*x^{11}+4*x^7-2*x^3)/(-x^{16}+1)$  ogf\_with\_Euler\_transform]

A248417 12.0496 [  $-(31*x^2+50*x+3)/(x^3-31*x^2-25*x-1)$  ogf]

A248417 6.69420 [  $\{-a(n+3)-25*a(n+2)-31*a(n+1)+a(n), a(0) = 3, a(1) = -25, a(2) = 563\}$ , ogf]

A248417 6.81062 [  $-(-31*x^4-100*x^3+766*x^2+124*x+25)/(-31*x^5+911*x^4+2322*x^3+1374*x^2+125*x+3)$  lgdogf]

A248425 11.8286 [  $x^4(x^4-x^2+1)/(x-1)^2/(x^2+x-1)^2$  ogf]  
A248425 9.66760 [  $-(-2x^6+4x^3-6x^2-2x+4)/(-x^7+3x^5-x^4-3x^3+x^2+2x-1)$  lgdogf]  
A248427 8.00914 [  $-2*(x^5-2x^4+2x^3-2x^2-x+4)/(x+1)/(x-1)^3$  ogf]  
A248428 11.4059 [  $-4*(7x^3-x^2-x-4)/(x-1)/(2x^3-1)$  ogf]  
A248429 10.4342 [  $-(84x^3-24x^2-16x-29)/(x-1)/(4x^3-1)$  ogf]  
A248430 6.11134 [  $-2*(56x^6-20x^5-12x^4-86x^3+24x^2+14x+21)/(x-1)/(4x^6-6x^3+1)$  ogf]  
A248431 5.65122 [  $-(164x^8+108x^7+76x^6-375x^5-239x^4-161x^3+185x^2+105x+61)/(x-1)/(x^2+x+1)/(4x^6-7x^3+1)$  ogf]  
A248434 12.0703 [  $-(x^3-2x^2+5x+2)/(x+1)/(x-1)^3$  ogf]  
A248434 8.49846 [  $-(-x^4+2x^3-14x^2-14x-9)/(-x^5+2x^4-4x^3-4x^2+5x+2)$  lgdogf]  
A248435 6.77754 [  $-(x^7-x^6+17x^5+16x^4+23x^3+11x^2+7x+2)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A248449 5.18334 [  $6*(23x^5-39x^4-54x^3-114x^2-49x-7)/(x+1)/(x-1)^7$  ogf]  
A248456 5.42068 [  $-4*(16x^5+53x^4+30x^3-5x^2-13x-12)/(4x^6+12x^5+3x^4-4x^3-3x^2-2x+1)$  ogf]  
A248457 5.08259 [  $-4*(50x^5+186x^4+147x^3+27x^2-23x-24)/(2x-1)/(4x^5+16x^4+16x^3+7x^2+x-1)$  ogf]  
A248462 10.8864 [  $6*(x^2+1)/(x+1)/(x-1)^4$  ogf]  
A248462 13.2451 [  $-(-3x^3-3x^2-7x-3)/(-x^4+1)$  lgdogf]  
A248462 27.2214 [  $[-x^3+2x+3]$  ogf\_with\_Euler\_transform]  
A248463 4.63916 [  $-2*(14x^8+17x^7+42x^6+48x^5+69x^4+47x^3+38x^2+8x+5)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A248474 5.36275 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 13, a(1) = 17, a(2) = 43\}$ , ogf]  
A248474 7.90662 [  $-(-13x^3-21x^2-69x-17)/(-13x^4-4x^3+4x+13)$  lgdogf]  
A248474 9.78914 [  $(13x^2+4x+13)/(x+1)/(x-1)^2$  ogf]  
A248484 6.81442 [  $-4*(664x^6-54x^5-48x^4-42x^3-36x^2-30x-181)/(x-1)/(2x^3-1)/(2x^3+1)$  ogf]  
A248490 6.83589 [  $-(x^5-4x^4+144x^3+102x^2+95x+22)/(x+1)/(x-1)^5$  ogf]  
A248491 3.51614 [  $-(x^{11}-2x^{10}-700x^9-102x^8+383x^7+1542x^6+2001x^5+1640x^4+1056x^3+500x^2+139x+22)/(x^2+1)/(x+1)/(x^2+x+1)^2/(x-1)^5$  ogf]  
A248520 8.58429 [  $-(x^{20}-x^{19}-x^4-2x^3-3x^2-3x-2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A248527 8.29760 [  $2*(17x^6+5x^5+8x^4+5x^3+8x^2+5x+17)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A248533 9.53733 [  $-(190x^4-12x^3-12x^2-12x-101)/(x-1)/(2x^4-1)$  ogf]  
A248538 6.98253 [  $-(x^6-2x^5-13x^4+x^3-22x^2-11x-2)/(x^2+x+1)/(x+1)/(x-1)^4$  ogf]  
A248555 9.79151 [  $-3*(23370x^4-33360x^3-67x-44)/(x-1)^2$  ogf]  
A248556 10.7769 [  $-3*(23340x^4-33330x^3-70x-41)/(x-1)^2$  ogf]  
A248572 10.0393 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 30\}$ , ogf]  
A248572 16.0242 [  $-(-28x-30)/(-28x^2+27x+1)$  lgdogf]  
A248572 18.1143 [  $(28x+1)/(x-1)^2$  ogf]  
A248574 3.67607 [  $\{(-8n^2-8n)*a(n)+(4n^2+8n+4)*a(n+1)+(2n^2+4n-2)*a(n+2)+(-n^2-3n)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7\}$ , ogf]  
A248575 12.5130 [  $2*x*(5x^2+8x+5)/(x+1)/(x-1)^4$  ogf]  
A248575 13.8301 [  $-(-15x^3-47x^2-59x-23)/(-5x^4-8x^3+8x+5)$  lgdogf]  
A248598 10.1716 [  $-6x^2*(7x-9)/(x-1)^4$  ogf]  
A248598 14.1605 [  $-(-21x+29)/(-7x^2+16x-9)$  lgdogf]  
A248598 4.75121 [  $\{(-9-9n)*a(n+3)+(29+16n)*a(n+2)+(-14-7n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 54\}$ , ogf]  
A248604 4.13254 [  $-(4x^4+2x^2-1)/(2x-1)/(x-1)$  ogf]  
A248619 4.44243 [  $-16*x*(x^6+72x^5+603x^4+1168x^3+603x^2+72x+1)/(x-1)^9$  ogf]  
A248621 12.3360 [  $-(-6x^2-24x-15)/(-2x^3-3x^2+3x+2)$  lgdogf]  
A248621 4.05062 [  $\{(6+2n)*a(n+4)+(-9+3n)*a(n+3)+(-27-3n)*a(n+2)+(-6-2n)*a(n+1), a(0) = 0, a(1) = 16, a(2) = 120, a(3) = 456\}$ , ogf]  
A248621 9.46715 [  $-8*x*(x+2)*(2x+1)/(x-1)^5$  ogf]

A248631 6.33938 [  $-(x^{21}-x^{20}+x^{14}-x^{13}+x^{10}-x^9+x^6+2x^3-x^2-x-3)/(x^2+x+1)/(x-1)^2$  ogf ]  
A248640 5.00198 [  $-x^4*(2x^{20}+2x^{19}+x^{18}+x^{17}+x^{16}+x^{15}+x^{10}+x^5+1)/(x-1)/(x^4+x^3+x^2+x+1)/(x^{20}+x^{15}+x^{10}+x^5+1)$  ogf ]  
A248646 14.9096 [  $-(x^3+x^2+x+2)/(2x-1)$  ogf ]  
A248646 8.06338 [  $\{a(n+4)-2a(n+3), a(0) = 2, a(1) = 5, a(2) = 11, a(3) = 23\}$ , ogf ]  
A248646 9.87764 [  $-(-4x^3+x^2+2x+5)/(2x^4+x^3+x^2+3x-2)$  lgdogf ]  
A248698 4.24295 [  $\{(-25n^2-109n-118)*a(n+1)+(26n^2+62n+368)*a(n+2)+(-n^2-49n-94)*a(n+3), a(0) = 0, a(1) = 23, a(2) = 166\}$ , ogf ]  
A248698 8.44076 [  $-x*(x^3+21x^2+51x+23)/(x-1)^5$  ogf ]  
A248698 8.91496 [  $-(-2x^3-66x^2-246x-166)/(-x^4-20x^3-30x^2+28x+23)$  lgdogf ]  
A248699 9.30701 [  $(x^5+3x^4+3x^3+5x^2+x+2)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^2$  ogf ]  
A248707 11.6476 [  $3*\text{hypergeom}([4/3, 5/3], [3], 27*x)$  ogf ]  
A248707 4.99185 [  $\{(-27n^2-135n-168)*a(n+1)+(n^2+6n+8)*a(n+2), a(0) = 3, a(1) = 60\}$ , ogf ]  
A248708 3.77296 [  $\{(256n^3+2432n^2+7664n+8008)*a(n+1)+(-n^3-11n^2-38n-40)*a(n+2), a(0) = 60, a(1) = 12600\}$ , ogf ]  
A248800 10.7693 [  $-2*(x^3+x^2-x+1)/(x+1)/(x-1)^3$  ogf ]  
A248800 8.44408 [  $-(-x^4-4x^3-2x^2-4x-1)/(-x^5-x^4+2x^3-x+1)$  lgdogf ]  
A248825 11.3728 [  $-x*(3x^2-2x+3)/(x+1)/(x-1)^3$  ogf ]  
A248825 11.3728 [  $-(-6x^3-14x-4)/(-3x^4+2x^3-2x+3)$  lgdogf ]  
A248833 12.2193 [  $-5*(5x^2-13x+2)/(x-1)/(x^2-8x+1)$  ogf ]  
A248833 6.74166 [  $\{-a(n+3)+9a(n+2)-9a(n+1)+a(n), a(0) = 10, a(1) = 25, a(2) = 160\}$ , ogf ]  
A248833 7.44793 [  $-(-5x^4+26x^3-78x^2+26x-5)/(-5x^5+58x^4-164x^3+140x^2-31x+2)$  lgdogf ]  
A248834 5.27417 [  $\{-a(n+4)+17a(n+3)-51a(n+2)+27a(n+1), a(0) = 15, a(1) = 25, a(2) = 245, a(3) = 3025\}$ , ogf ]  
A248834 9.48015 [  $5*(54x^3-117x^2+46x-3)/(3x-1)/(9x^2-14x+1)$  ogf ]  
A248848 12.2215 [  $-(x-1)*(x+1)/(x^4-9x^3-2x^2-9x+1)$  ogf ]  
A248848 7.56569 [  $-(2x^5-9x^4-4x^3+36x^2+2x+9)/(x^6-9x^5-3x^4+3x^2+9x-1)$  lgdogf ]  
A248851 8.82978 [  $-(-2x^4+3x^3-x^2-14x-10)/(-x^5+2x^4-5x^2+x+3)$  lgdogf ]  
A248851 8.92899 [  $x*(x^3-2x^2+x+3)/(x+1)/(x-1)^4$  ogf ]  
A248877 11.2880 [  $-(4x^2+92x-71)/(4x^3+40x^2-67x+23)$  lgdogf ]  
A248877 16.9321 [  $(2x+23)/(2x-1)/(x-1)$  ogf ]  
A248877 9.27232 [  $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 23, a(1) = 71\}$ , ogf ]  
A248880 9.64802 [  $-(x^2-x+1)*(x^4-x^2+1)/(x^6-x^3+x^2+x-1)$  ogf ]  
A248882 7.11047 [  $-(x^6+7x^5+23x^4+28x^3+23x^2+7x+1)/(-x^8+4x^6-6x^4+4x^2-1)$  ogf\_with\_Euler\_transform ]  
A248886 5.39098 [  $-(2x^{11}+2x^{10}+2x^8+x^7+2x^6+2x^5+2x^4+x^3+2x^2+2)/(-x^{12}+1)$  ogf\_with\_Euler\_transform ]  
A248917 10.0776 [  $-(12x^3-14x^2+4x-1)/(x-1)/(2x-1)^3$  ogf ]  
A248917 8.00282 [  $-(-24x^4+32x^3-2x^2-4x-3)/(-24x^5+64x^4-62x^3+28x^2-7x+1)$  lgdogf ]  
A248924 10.3246 [  $(2x+1)*(x^2-2)/(x^2+x-1)/(x+1)^2$  ogf ]  
A248924 4.41663 [  $\{(n+5)*a(n+1)+(2n+9)*a(n+2)-a(n+3)+(-n-4)*a(n+4), a(0) = 2, a(1) = 2, a(2) = 1, a(3) = 7\}$ , ogf ]  
A248924 7.42984 [  $-(2x^5-13x^3-15x^2-4x-2)/(2x^6+5x^5-2x^4-12x^3-5x^2+4x+2)$  lgdogf ]  
A248959 8.97992 [  $(3x^6+3x^4-14x^3-5x^2-2x-1)/(x^3+x^2+x-1)$  ogf ]  
A248960 6.58467 [  $(3x^{10}-6x^8-14x^6-8x^5+28x^4+10x^3+4x^2+2x+1)/(x+1)/(x^5-2x^3-2x+1)$  ogf ]  
A248969 6.21210 [  $(3x^{11}+x^{10}+12x^9+5x^8+15x^7+6x^6+27x^5+12x^4+12x^3+5x^2+3x+1)/(x^4+1)/(x^2+1)/(x+1)^2/(x-1)^2$  ogf ]  
A248974 6.92280 [  $-(-x^4-124x^3-2154x^2-3964x-959)/(x^5-65x^4-590x^3-10x^2+605x+59)$  lgdogf ]  
A248974 7.74531 [  $(x^4-64x^3-654x^2-664x-59)/(x-1)^5$  ogf ]

A248982 5.66183 [  $(x-1) \cdot (40x^{15} + 98x^{13} + 4x^{11} + 3x^{10} - 80x^9 + 7x^8 - 2x^6 - 2x^5 - 12x^4 - 4x^3 - 4x^2 - 4x - 1) / (x^4 + x^2 - 1)^2$  ogf ]  
A248988 3.78049 [  $-(x^{11} + 206x^9 + 416x^8 + 653x^7 + 810x^6 + 825x^5 + 614x^4 + 422x^3 + 198x^2 + 53x + 2) / (x^2 + x + 1)^2 / (x + 1)^3 / (x - 1)^5$  ogf ]  
A248996 3.39389 [  $-4 \cdot (192x^8 + 563x^7 - 1168x^6 - 3382x^5 - 36x^4 - 579x^3 - 241x^2 + 52x + 205) / (3x^9 + 8x^8 - 21x^7 - 48x^6 + 16x^5 - 9x^4 - x^3 + 2x^2 + 3x - 1)$  ogf ]  
A249013 9.54624 [  $x^2 \cdot (x^4 - x^3 - 1) / (x^4 + x^3 + x^2 + x + 1) / (x - 1)^3$  ogf ]  
A249014 7.69235 [  $-(-2x^3 + 6x^2 - 6x + 3) / (-x^4 + 4x^3 - 6x^2 + 4x - 1)$  lgdegf ]  
A249015 4.27393 [  $\{( -n^2 - 7n - 12) \cdot a(n+1) + (-2n - 8) \cdot a(n+2) + a(n+4) - a(n+3), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 17\}$ , ogf ]  
A249019 4.84103 [  $(3x^{15} + 3x^{12} - 26x^{10} - 8x^9 - 14x^7 - 8x^6 + 60x^5 + 22x^4 + 9x^3 + 4x^2 + 2x + 1) / (x^{10} + x^9 + x^7 + x^6 - 6x^5 - 5x^4 - 3x^3 - 2x^2 - x + 1)$  ogf ]  
A249020 10.6440 [  $-(x^2 - x + 1) / (x^4 + x^3 + x^2 + x + 1) / (x - 1)^3$  ogf ]  
A249020 14.5741 [  $1 + x + 1/2x^2 + 1/24x^4 - 1/120x^5$ , egf\_with\_Euler\_transform ]  
A249025 6.61223 [  $(x^{29} - x^{27} + x^{26} - x^{23} + 2x^4 + x^2 + 2) / (x^2 + x + 1) / (x^2 - x + 1) / (x - 1)^2$  ogf ]  
A249059 3.24841 [  $\{(4n^2 + 32n + 48) \cdot a(n+1) + (n^2 + 15n + 36) \cdot a(n+2) + (-4 - 3n) \cdot a(n+3) + (-n - 4) \cdot a(n+4), a(0) = 1, a(1) = 5, a(2) = 10, a(3) = 40\}$ , ogf ]  
A249060 3.52366 [  $\{(4n^2 + 32n + 48) \cdot a(n+1) + (n^2 + 11n + 28) \cdot a(n+2) + (-8 - 4n) \cdot a(n+3) + (-n - 4) \cdot a(n+4), a(0) = 1, a(1) = 4, a(2) = 5, a(3) = 24\}$ , ogf ]  
A249062 13.2230 [  $-(x^3 + 3x^2 + 3x + 2) / (-x - 1)$  lgdegf ]  
A249062 4.28027 [  $\{( -n^2 - 6n - 8) \cdot a(n+1) + (-2n - 7) \cdot a(n+2) + a(n+4) - a(n+3), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 18\}$ , ogf ]  
A249075 3.30925 [  $\{(8n^2 + 48n + 64) \cdot a(n+1) + (2n^2 + 22n + 48) \cdot a(n+2) + (-4 - 3n) \cdot a(n+3) + (-n - 4) \cdot a(n+4), a(0) = 1, a(1) = 5, a(2) = 11, a(3) = 51\}$ , ogf ]  
A249086 3.66024 [  $-(x^9 - 3x^8 - 880x^7 - 1135x^6 - 2260x^5 - 1823x^4 - 1364x^3 - 617x^2 - 177x - 22) / (x^2 + x + 1) / (x + 1)^2 / (x - 1)^6$  ogf ]  
A249098 8.73175 [  $(x^6 + x^5 + 2x^4 + 2x^3 + 2x^2 + 2x + 1) / (x + 1) / (x^2 + x + 1) / (x^2 - x + 1) / (x - 1)^2$  ogf ]  
A249099 10.5708 [  $(3x^4 + 2x^3 + 2x^2 + 2x + 2) / (x^4 + x^3 + x^2 + x + 1) / (x - 1)^2$  ogf ]  
A249101 3.23663 [  $\{(-6n^2 - 33n - 42) \cdot a(n+1) + (-2n^2 - 20n - 42) \cdot a(n+2) + (2 + 2n) \cdot a(n+3) + (n+4) \cdot a(n+4), a(0) = 1, a(1) = 4, a(2) = 9, a(3) = 37\}$ , ogf ]  
A249123 7.45764 [  $(2x^8 + 2x^7 + 2x^6 + 2x^5 + 2x^4 + 2x^3 + 2x^2 + 2x + 1) / (x^2 + x + 1) / (x^6 + x^3 + 1) / (x - 1)^2$  ogf ]  
A249127 11.0358 [  $-x \cdot (2x^3 + 4x^2 + 5x + 1) / (x + 1)^2 / (x - 1)^3$  ogf ]  
A249127 4.19737 [  $\{(-5n^2 - 25n - 30) \cdot a(n+1) + (-4n^2 - 37n - 75) \cdot a(n+2) + (5n^2 + 6n - 8) \cdot a(n+3) + (4n^2 + 20n + 24) \cdot a(n+4), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 12\}$ , ogf ]  
A249127 9.92106 [  $-(-4x^4 - 14x^3 - 30x^2 - 18x - 6) / (-2x^5 - 4x^4 - 3x^3 + 3x^2 + 5x + 1)$  lgdogf ]  
A249164 7.51810 [  $-(11x^2 + 1) \cdot (x + 1)^2 / (x - 1) / (x^2 - 10x + 1) / (x^2 + 10x + 1)$  ogf ]  
A249166 12.0303 [  $-(810x^6 - 990x^5 - 11x - 11) / (x - 1)^2$  ogf ]  
A249169 5.28624 [  $-1 / (x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A249190 5.65001 [  $-2 \cdot (32x^5 + 48x^4 + 56x^3 + 60x^2 + 62x + 63) / (x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A249221 13.8565 [  $-(2x^3 - 5x - 1) / (2x^4 - 6x^2 + 1)$  ogf ]  
A249222 14.0454 [  $-(5x^3 - 5x - 1) / (x - 1) / (x + 1) / (5x^2 - 1)$  ogf ]  
A249227 12.6101 [  $\{a(n+1) - 2a(n), a(0) = 486\}$ , ogf ]  
A249227 24.3194 [  $2 / (-2x + 1)$  lgdogf ]  
A249227 25.2201 [  $-486 / (2x - 1)$  ogf ]  
A249234 3.74682 [  $-6 \cdot (147x^8 + 53x^7 + 266x^6 + 167x^5 + 314x^4 + 267x^3 + 166x^2 + 53x + 7) / (x^2 + x + 1) / (x + 1)^2 / (x - 1)^7$  ogf ]  
A249246 6.18386 [  $(3x^{11} + x^{10} + 12x^9 + 5x^8 + 15x^7 + 6x^6 + 15x^5 + 12x^4 + 12x^3 + 5x^2 + 3x + 1) /$

$(x^4+1)/(x^2+1)/(x+1)^2/(x-1)^2$  ogf]  
A249264 7.09477 [  $x*(66*x^{16}-66*x^{15}-153*x^{14}+153*x^{13}+91*x^{12}-91*x^{11}-3*x^2-x-2)/(x-1)^3/(x+1)^3$  ogf]  
A249265 5.01956 [  $x*(x-1)*(12*x^{12}+28*x^{10}+3*x^9-2*x^8+7*x^7-24*x^6-2*x^5-9*x^3-4*x^2-3*x-2)/(x^4+x^2-1)^2$  ogf]  
A249285 4.04826 [  $-4*(48*x^7-18*x^6-133*x^5+23*x^4+134*x^3+104*x^2+63*x+51)/(3*x^8-2*x^7-8*x^6+4*x^5+8*x^4+4*x^3+2*x^2+2*x-1)$  ogf]  
A249291 6.28759 [  $-2*(7*x^5+29*x^3+17*x^2+12*x+7)/(x^2+x+1)/(x+1)/(x-1)^5$  ogf]  
A249308 13.1275 [  $-(-16*x-2)/(-32*x^3-16*x^2+2*x+1)$  lgdogf]  
A249308 4.52937 [  $\{(-n-3)*a(n+3)+(-2-2^n)*a(n+2)+(32+16^n)*a(n+1)+32^n*a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A249310 13.4101 [  $-(x+1)*(6*x^2-6*x-1)/(6*x^4-8*x^2+1)$  ogf]  
A249311 13.1564 [  $-(x+1)*(8*x^2-8*x-1)/(8*x^4-10*x^2+1)$  ogf]  
A249312 11.9642 [  $-(x+1)*(10*x^2-10*x-1)/(10*x^4-12*x^2+1)$  ogf]  
A249313 12.4449 [  $-(x+1)*(12*x^2-12*x-1)/(12*x^4-14*x^2+1)$  ogf]  
A249333 10.3476 [  $-(3*x^4-x^3-7*x^2+2*x+7)/(x+1)^2/(x-1)^3$  ogf]  
A249333 8.29590 [  $-(-3*x^5-x^4+10*x^3+2*x^2-23*x-9)/(-3*x^6+x^5+10*x^4-3*x^3-14*x^2+2*x+7)$  lgdogf]  
A249349 4.11248 [  $\{(2^n+11*n+15)*a(n+1)+(-2^n-12*n-17)*a(n+2)+(n+2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 7\}$ , ogf]  
A249354 10.6936 [  $x*(x^2+10*x+7)/(x-1)^4$  ogf]  
A249354 11.9898 [  $-(2*x^2+32*x+38)/(x^3+9*x^2-3*x-7)$  lgdogf]  
A249354 3.93696 [  $\{(21+7^n)*a(n+4)+(-32+3^n)*a(n+3)+(-41-9^n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 7, a(2) = 38, a(3) = 111\}$ , ogf]  
A249356 9.67800 [  $-(x^5-x^4+15*x+1)/(x^2+1)/(x+1)/(x-1)^3$  ogf]  
A249450 12.2666 [  $(3*x-1)*(x-2)/(x-1)/(x^2-3*x+1)$  ogf]  
A249450 6.68093 [  $\{a(n+3)-4*a(n+2)+4*a(n+1)-a(n), a(0) = -2, a(1) = -1, a(2) = 1\}$ , ogf]  
A249450 7.26470 [  $- (3*x^4-14*x^3+22*x^2-10*x+1)/(3*x^5-19*x^4+42*x^3-39*x^2+15*x-2)$  lgdogf]  
A249452 11.3420 [  $-(16*x^3+14*x^2-16*x-15)/(2*x^2-1)/(x-1)$  ogf]  
A249452 6.08798 [  $\{-a(n+4)+a(n+3)+2*a(n+2)-2*a(n+1), a(0) = 15, a(1) = 31, a(2) = 47, a(3) = 63\}$ , ogf]  
A249453 12.2100 [  $-(12*x^2-13*x+4)/(2*x-1)/(x-1)^2$  ogf]  
A249453 6.86814 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 4, a(1) = 3, a(2) = 4\}$ , ogf]  
A249453 8.84175 [  $-(-24*x^3+28*x^2-13*x+3)/(-24*x^4+62*x^3-59*x^2+25*x-4)$  lgdogf]  
A249454 7.07006 [  $(16*x^3+(256*x^6+128*x^4+20*x^2+1)^{(1/2)}+4*x)/(4*x^2+1)$  lgdegf]  
A249457 4.97702 [  $\{-a(n+3)+37*a(n+2)-111*a(n+1)+27*a(n), a(0) = 10, a(1) = 100, a(2) = 2890\}$ , ogf]  
A249457 8.67424 [  $-10*(30*x^2-27*x+1)/(3*x-1)/(9*x^2-34*x+1)$  ogf]  
A249458 4.53082 [  $\{-a(n+3)+33*a(n+2)-231*a(n+1)+343*a(n), a(0) = 10, a(1) = 100, a(2) = 1690\}$ , ogf]  
A249458 7.84917 [  $-10*(70*x^2-23*x+1)/(7*x-1)/(49*x^2-26*x+1)$  ogf]  
A249460 3.54536 [  $\{(3*n^2+35*n+58)*a(n+1)+(-7*n^2-28*n+125)*a(n+2)+(4*n^2-13*n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A249460 5.75344 [  $-x^3*(20*x^3+6*x^2+3*x+1)/(x-1)^7$  ogf]  
A249460 7.62665 [  $-(80*x^3+90*x^2+30*x+10)/(20*x^4-14*x^3-3*x^2-2*x-1)$  lgdogf]  
A249467 3.70761 [  $10*(3*x^8-3*x^7+32*x^6+5*x^5+50*x^4+19*x^3+28*x^2+7*x+3)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^6$  ogf]  
A249483 7.45273 [  $-(x^2+8*x+1)*(x^2-5*x+1)/(x-1)/(x^2-10*x+1)/(x^2+10*x+1)$  ogf]  
A249547 12.7592 [  $-(-9*x^2-14*x-7)/(-3*x^3-2*x^2+3*x+2)$  lgdogf]  
A249547 14.5500 [  $-x*(3*x+2)/(x+1)/(x-1)^3$  ogf]  
A249547 4.20989 [  $\{(-6-2^n)*a(n+4)+(1-3^n)*a(n+3)+(16+2^n)*a(n+2)+(9+3^n)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 7, a(3) = 14\}$ , ogf]  
A249572 10.5520 [  $(10*x^3-6*x^2+3*x+1)/(x-1)/(10*x^2-1)$  ogf]  
A249572 5.62772 [  $\{-a(n+4)+a(n+3)+10*a(n+2)-10*a(n+1), a(0) = 1, a(1) = 4, a(2) = 8, a(3) = 48\}$ , ogf]  
A249572 6.72338 [  $-(40*x^4+80*x^3-36*x^2-8*x-4)/(100*x^6-160*x^5+80*x^4-4*x^3-19*x^2+2*x+1)$  lgdogf]

A249576 12.5932 [  $-x*(2*x^4-x^3+x^2+1)/(x^6+2*x^3-1)$  ogf]  
A249577 12.9238 [  $-(x^4+x^2-x+2)/(x^6-2*x^3-1)$  ogf]  
A249578 9.76949 [  $x*(3*x^4-2*x^3+x^2+1)/(x^6-4*x^3+1)$  ogf]  
A249579 9.47773 [  $-x*(3*x^6-x^5-2*x^4+x^3+x+1)/(x^8+3*x^4-1)$  ogf]  
A249580 7.55993 [  $-(x^6+x^5+x^3-2*x^2-x+3)/(x^8-3*x^4-1)$  ogf]  
A249581 8.94849 [  $x*(4*x^6-2*x^5-3*x^4+x^3+x+1)/(2*x^8-5*x^4+1)$  ogf]  
A249582 12.3978 [  $-(5*x^2-1)/(25*x^4-5*x^3-8*x^2-x+1)$  ogf]  
A249582 7.11525 [  $-(250*x^5-25*x^4-100*x^3+20*x^2+6*x+1)/(125*x^6-25*x^5-65*x^4+13*x^2+x-1)$  lgdogf]  
A249604 15.5074 [  $1/(x-1)/(100*x^2+10*x-1)$  ogf]  
A249604 5.86413 [  $\{-a(n+3)+11*a(n+2)+90*a(n+1)-100*a(n), a(0) = 1, a(1) = 11, a(2) = 211\}$ , ogf]  
A249604 9.55934 [  $-(-300*x^2+180*x+11)/(-100*x^3+90*x^2+11*x-1)$  lgdogf]  
A249657 4.11589 [  $-(x^9-3*x^8+32*x^7-31*x^6+172*x^5-19*x^4+148*x^3+11*x^2+47*x+2)/(x+1)/(x^2+1)/(x^2+x+1)/(x-1)^5$  ogf]  
A249665 7.85775 [  $-(x^3+x-1)/(x^8+x^7-x^5-x^4-2*x^3+x^2-2*x+1)$  ogf]  
A249674 21.3026 [  $30*x/(x-1)^2$  ogf]  
A249674 28.9107 [  $2/(-x+1)$  lgdogf]  
A249674 61.9392 [[2] ogf\_with\_Euler\_transform]  
A249674 9.87194 [  $\{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 30\}$ , ogf]  
A249691 3.28873 [  $\{(-81*n^2-243*n-180)*a(n+1)+(39*n^2+204*n+273)*a(n+2)+(-4*n^2-26*n-42)*a(n+3), a(0) = 2, a(1) = 7, a(2) = 36\}$ , ogf]  
A249693 8.42592 [  $(x^5+3*x^4+3*x^3-x^2+2*x+1)/(x^2+1)/(x+1)^2/(x-1)^2$  ogf]  
A249701 4.01960 [  $-(54*x^9+34*x^8-36*x^7-55*x^6-2*x^5-127*x^4-25*x^3+35*x^2-48*x+39)/(x+1)/(2*x^3-2*x^2+2*x-1)/(x^6-x^4-x^3+x^2-2*x+1)$  ogf]  
A249708 7.61347 [  $-(x^4-6*x^3-6*x^2+2*x+69)/(x^5-6*x^4+8*x^3-4*x^2+15*x-14)$  lgdogf]  
A249708 7.85140 [  $-(x-2)*(x^3-3*x^2-3*x-7)/(x-1)^5$  ogf]  
A249709 6.41916 [  $-(x^5-6*x^4+12*x^3+10*x^2-5*x-20)/(x-1)^6$  ogf]  
A249710 5.89278 [  $-(x^5-6*x^4+20*x^3+10*x^2-53*x-28)/(x-1)^6$  ogf]  
A249711 6.21656 [  $-(x^5-6*x^4+24*x^3-32*x^2-149*x-38)/(x-1)^6$  ogf]  
A249712 4.81528 [  $-(x^6-7*x^5+20*x^4-136*x^3-81*x^2+295*x+52)/(x-1)^7$  ogf]  
A249713 4.51930 [  $-(x^7-8*x^6+5*x^5-152*x^4+411*x^3+344*x^2-601*x-72)/(x-1)^8$  ogf]  
A249714 6.82561 [  $x*(18*x^6+3*x^5+2*x^4+5*x^3-x-1)/(2*x-1)$  ogf]  
A249715 5.42135 [  $x*(40*x^7-32*x^6-4*x^5+8*x^4-12*x^3+3*x^2-6*x+4)/(2*x-1)/(x-1)$  ogf]  
A249753 4.06400 [  $-(16*x^11+8*x^10+14*x^9-7*x^8-33*x^7-8*x^6-13*x^5-13*x^4+16*x^3+9*x^2-2*x-1)/(x-1)/(2*x+1)/(2*x-1)/(8*x^2-1)/(2*x^2-1)/(x^2+1)$  ogf]  
A249789 8.49423 [  $(16*x^3+(-4*x^2+1)^(1/2)-4*x)/(32*x^4-12*x^2+1)$  lgdegf]  
A249792 7.61453 [  $-(2*x^4+x^3-9*x^2+2*x+1)/(x^7-7*x^6+19*x^5-31*x^4+36*x^3-26*x^2+9*x-1)$  lgdogf]  
A249845 3.82984 [  $\{(n^2+6*n+8)*a(n+1)+(-2*n^2-14*n-53)*a(n+2)+(n^2+8*n+15)*a(n+3), a(0) = 10, a(1) = 110, a(2) = 560\}$ , ogf]  
A249845 6.97031 [  $10*(x+1)*(x^2+4*x+1)/(x-1)^6$  ogf]  
A249845 9.29375 [  $-(3*x^3+23*x^2+35*x+11)/(x^4+4*x^3-4*x-1)$  lgdogf]  
A249846 5.54685 [  $-2*(17*x^4+112*x^3+162*x^2+64*x+5)/(x-1)^7$  ogf]  
A249847 4.36338 [  $(103*x^5+990*x^4+2186*x^3+1472*x^2+279*x+10)/(x-1)^8$  ogf]  
A249848 3.80860 [  $-(311*x^6+4287*x^5+14224*x^4+15390*x^3+5535*x^2+563*x+10)/(x-1)^9$  ogf]  
A249852 10.1265 [  $-x*(x^3+x^2+x+2)/(x^2+1)/(x-1)^3$  ogf]  
A249852 8.92333 [  $-(2*x^5+4*x^4+4*x^3+13*x^2+7)/(x^6+x^4+x^3-2*x^2+x-2)$  lgdogf]  
A249859 5.88504 [  $(6*x^12+2*x^11+3*x^10-23*x^8-12*x^7-30*x^6-8*x^5-12*x^4-6*x^3-5*x^2-3)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
A249862 13.9852 [  $-(17*x-1)/(9*x^2-34*x+1)$  ogf]  
A249862 7.82506 [  $\{a(n+2)-34*a(n+1)+9*a(n), a(0) = 1, a(1) = 17\}$ , ogf]  
A249862 9.00418 [  $-(-153*x^2+18*x-17)/(-153*x^3+587*x^2-51*x+1)$  lgdogf]  
A249863 10.2906 [  $-(98*x-26)/(49*x^2-26*x+1)$  lgdogf]  
A249863 15.2889 [  $1/(49*x^2-26*x+1)$  ogf]

A249863 6.29541 [  $\{-a(n+2)+26*a(n+1)-49*a(n), a(0) = 1, a(1) = 26\}$ , ogf]  
A249864 10.9171 [  $\frac{-(13*x-1)}{(49*x^2-26*x+1)}$  ogf]  
A249864 6.16494 [  $\{a(n+2)-26*a(n+1)+49*a(n), a(0) = 1, a(1) = 13\}$ , ogf]  
A249864 7.17836 [  $\frac{-(-637*x^2+98*x-13)}{(-637*x^3+387*x^2-39*x+1)}$  lgdogf]  
A249884 4.41618 [  $35*(x+1)*(x^2+10*x+1)*(x^2+4*x+1)/(x-1)^8$  ogf]  
A249885 3.82264 [  $\frac{-5*(31*x^6+546*x^5+2457*x^4+3340*x^3+1473*x^2+210*x+7)}{(x-1)^9}$  ogf]  
A249910 13.8749 [  $\frac{-(4*x^3+x^2+2*x+2)}{(x-1)/(x+1)/(x^2-x+1)}$  ogf]  
A249911 13.8298 [  $\frac{-x*(57*x+1)}{(x-1)^3}$  ogf]  
A249911 15.1345 [  $\frac{-(-114*x-60)}{(-57*x^2+56*x+1)}$  lgdogf]  
A249911 7.16188 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 60\}$ , ogf]  
A249916 9.16742 [  $\frac{(x^4-x^3+4*x^2-x+1)}{(x^2-x+1)/(x+1)/(x-1)^2}$  ogf]  
A249924 22.7323 [  $x*(x^2-3*x+1)$  revogf]  
A249924 4.37627 [  $\{(-27*n^2-108*n-105)*a(n+1)+(-54*n^2-297*n-405)*a(n+2)+(5*n^2+35*n+60)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 17\}$ , ogf]  
A249925 21.8293 [  $\frac{-x}{(-5*x^2-2*x-1)}$  revogf]  
A249925 5.70700 [  $\{(-16*n-32)*a(n+1)+(-4*n-14)*a(n+2)+(n+5)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 9\}$ , ogf]  
A249946 10.1089 [  $\frac{-(x^3+4*x^2-2*x-1)}{(-x^5+3*x^4-9*x^3+13*x^2-7*x+1)}$  lgdogf]  
A249961 5.54685 [  $\frac{-15*(x^2+10*x+1)*(x+1)^2}{(x-1)^7}$  ogf]  
A249961 8.71648 [  $\frac{-(3*x^3+49*x^2+97*x+19)}{(x^4+10*x^3-10*x-1)}$  lgdogf]  
A249962 4.41618 [  $5*(x+1)*(11*x^4+154*x^3+262*x^2+74*x+3)/(x-1)^8$  ogf]  
A249963 3.82700 [  $\frac{-(175*x^6+3594*x^5+13281*x^4+15932*x^3+6561*x^2+762*x+15)}{(x-1)^9}$  ogf]  
A249983 7.32501 [  $\frac{-(3*x^4+26*x^3+135*x^2+120*x+44)}{(x^5+6*x^4+23*x^3+4*x^2-24*x-10)}$  lgdogf]  
A249983 8.01173 [  $2*(x^3+6*x^2+24*x+10)/(x+1)^2/(x-1)^4$  ogf]  
A249984 7.28006 [  $\frac{-(x^4+24*x^3-27*x^2+90*x+192)}{(x^5+9*x^4-29*x^3+51*x^2-32)}$  lgdogf]  
A249984 7.35360 [  $\frac{-2*(x^4+10*x^3-19*x^2+32*x+32)}{(x-1)^5}$  ogf]  
A249985 3.44284 [  $\frac{-2*(x^9-2*x^8-4*x^7-58*x^6-579*x^5-1402*x^4-2559*x^3-1618*x^2-667*x-68)}{(x+1)^4/(x-1)^6}$  ogf]  
A249986 4.73807 [  $2*(84*x^5-134*x^4-309*x^3-1444*x^2-1938*x-233)/(x-1)^7$  ogf]  
A249992 13.2950 [  $\frac{-(-18*x^2-14*x)}{(-6*x^3-7*x^2+1)}$  lgdogf]  
A249992 23.3670 [  $\frac{-1/(3*x-1)}{(2*x+1)/(x+1)}$  ogf]  
A249992 8.29153 [  $\{-a(n+3)+7*a(n+1)+6*a(n), a(0) = 1, a(1) = 0, a(2) = 7\}$ , ogf]  
A249993 11.2331 [  $\frac{-(24*x^2+20*x+1)}{(8*x^3+10*x^2+x-1)}$  lgdogf]  
A249993 19.8058 [  $\frac{-1/(4*x-1)}{(2*x+1)/(x+1)}$  ogf]  
A249993 6.60194 [  $\{-a(n+3)+a(n+2)+10*a(n+1)+8*a(n), a(0) = 1, a(1) = 1, a(2) = 11\}$ , ogf]  
A249994 11.4992 [  $\frac{-(-72*x^2+20*x+3)}{(-24*x^3+10*x^2+3*x-1)}$  lgdogf]  
A249994 18.1847 [  $\frac{1/(4*x-1)}{(2*x-1)/(3*x+1)}$  ogf]  
A249994 6.79951 [  $\{a(n+3)-3*a(n+2)-10*a(n+1)+24*a(n), a(0) = 1, a(1) = 3, a(2) = 19\}$ , ogf]  
A249995 12.2426 [  $\frac{-(-72*x^2+4*x+5)}{(-24*x^3+2*x^2+5*x-1)}$  lgdogf]  
A249995 19.2383 [  $\frac{1/(4*x-1)}{(3*x-1)/(2*x+1)}$  ogf]  
A249995 7.08780 [  $\{-a(n+3)+5*a(n+2)+2*a(n+1)-24*a(n), a(0) = 1, a(1) = 5, a(2) = 27\}$ , ogf]  
A249996 11.8747 [  $\frac{-(72*x^2+28*x-1)}{(24*x^3+14*x^2-x-1)}$  lgdogf]  
A249996 20.7046 [  $\frac{-1/(2*x+1)}{(3*x+1)/(4*x-1)}$  ogf]  
A249996 7.02157 [  $\{a(n+3)+a(n+2)-14*a(n+1)-24*a(n), a(0) = 1, a(1) = -1, a(2) = 15\}$ , ogf]  
A249997 11.2596 [  $\frac{-(-36*x^2+22*x+2)}{(-12*x^3+11*x^2+2*x-1)}$  lgdogf]  
A249997 19.6322 [  $\frac{1/(x-1)}{(3*x+1)/(4*x-1)}$  ogf]  
A249997 6.65786 [  $\{a(n+3)-2*a(n+2)-11*a(n+1)+12*a(n), a(0) = 1, a(1) = 2, a(2) = 15\}$ , ogf]  
A249998 13.5679 [  $\frac{-(-36*x^2-26*x)}{(-12*x^3-13*x^2+1)}$  lgdogf]  
A249998 23.2592 [  $\frac{-1/(4*x-1)}{(3*x+1)/(x+1)}$  ogf]  
A249998 8.47992 [  $\{-a(n+3)+13*a(n+1)+12*a(n), a(0) = 1, a(1) = 0, a(2) = 13\}$ , ogf]

ogf]

A249999 12.2844 [  $-(24x^2-27x+7)/(6x^3-11x^2+6x-1)$  lgdogf]

A249999 16.1383 [  $1/(2x-1)/(3x-1)/(x-1)^2$  ogf]

A249999 4.05445 [  $\{(-n-4)a(n+4)+(25+6n)a(n+3)+(-49-11n)a(n+2)+(30+6n)a(n+1), a(0) = 1, a(1) = 7, a(2) = 32, a(3) = 122\}$ , ogf]

A250015 10.1692 [  $-(3x^2+24x+15)/(x^3+3x^2-3x-1)$  lgdogf]

A250015 5.54685 [  $-20*(x^2+4x+1)^2/(x-1)^7$  ogf]

A250016 4.39411 [  $20*(x^2+4x+1)*(4x^3+23x^2+14x+1)/(x-1)^8$  ogf]

A250017 3.82700 [  $-4*(68x^6+903x^5+3441x^4+3974x^3+1506x^2+183x+5)/(x-1)^9$  ogf]

A250024 16.0059 [  $-(21x+59)/(21x^2-2x-19)$  lgdogf]

A250024 17.7087 [  $(21x+19)/(x-1)^2$  ogf]

A250024 9.90843 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 19, a(1) = 59\}$ , ogf]

A250060 4.41618 [  $21*(x+1)*(x^4+26x^3+66x^2+26x+1)/(x-1)^8$  ogf]

A250061 3.86380 [  $-3*(27x^6+890x^5+3977x^4+5492x^3+2677x^2+370x+7)/(x-1)^9$  ogf]

A250082 5.98087 [  $-(x^5-6x^4+x^3-157x^2-150x-49)/(x-1)^6$  ogf]

A250083 5.07880 [  $-(x^6-7x^5-5x^4-106x^3+473x^2+401x+83)/(x-1)^7$  ogf]

A250084 3.96373 [  $-(x^7-8x^6+18x^5+280x^4+593x^3-1680x^2-1076x-144)/(x-1)^8$  ogf]

A250085 3.50090 [  $-(x^8-9x^7+52x^6+56x^5-2861x^4-2239x^3+6252x^2+2816x+252)/(x-1)^9$  ogf]

A250101 12.9744 [  $-2x*(43x+9)/(6x-1)/(25x^2+6x+1)$  ogf]

A250101 7.67876 [  $-(-12900x^3-4523x^2-198x-43)/(-6450x^4-1823x^3-99x^2+43x+9)$  lgdogf]

A250101 7.67876 [  $\{-a(n+3)+11a(n+1)+150a(n), a(0) = 0, a(1) = 18, a(2) = 86\}$ , ogf]

A250102 13.1921 [  $-16x*(5x+1)/(5x-1)/(25x^2+6x+1)$  ogf]

A250102 6.99757 [  $\{-a(n+3)-a(n+2)+5a(n+1)+125a(n), a(0) = 0, a(1) = 16, a(2) = 64\}$ , ogf]

A250102 9.81366 [  $-(-1250x^3-400x^2-10x-4)/(-625x^4-150x^3+6x+1)$  lgdogf]

A250103 12.0627 [  $-(-6x^3-11x^2-4x)/(-3x^4-5x^3-x^2+2x+1)$  lgdogf]

A250103 17.5250 [  $-(x+1)/(3x^3+2x^2-x-1)$  ogf]

A250103 8.36779 [  $\{-a(n+3)-a(n+2)+2a(n+1)+3a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$ , ogf]

A250108 7.35779 [  $-2x^2*(x^3+2x^2-x+2)/(x+1)^2/(x^2+1)/(x-1)^3$  ogf]

A250109 4.36841 [  $-4*(x^6+2x^4+2x^3+3x^2-2x+2)/(x^2+1)^2/(x+1)^3/(x-1)^4$  ogf]

A250111 8.12026 [  $(x^6+x^5+x^3-2x^2+1)/(x^2+x-1)/(x^4+x^2-1)$  ogf]

A250120 7.52959 [  $(x^2+x+1)*(x^4+3x^3+3x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]

A250121 6.34375 [  $-(x^2+x+1)*(x^4+3x^3+3x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]

A250122 5.64798 [  $-(2x^8-4x^7+3x^6-5x^5+x^4-3x^3-x^2-x-1)/(x-1)^2/(x^2+1)^2$  ogf]

A250128 3.59308 [  $\{a(n+3)-2a(n+2)-3a(n+1)-3a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$ , ogf]

A250128 6.99705 [  $-x*(x+1)/(3x^3+3x^2+2x-1)$  ogf]

A250141 7.19101 [  $-(-x^4+6x^3-12x^2-6x-67)/(-x^5+6x^4-14x^3+12x^2-17x+14)$  lgdogf]

A250141 7.64045 [  $-(x^4-5x^3+9x^2-3x+14)/(x-1)^5$  ogf]

A250142 6.09871 [  $-(x^5-6x^4+15x^3-20x^2-18x-24)/(x-1)^6$  ogf]

A250143 4.80268 [  $-(x^6-7x^5+21x^4-35x^3+83x^2+104x+41)/(x-1)^7$  ogf]

A250144 4.38938 [  $-(x^7-8x^6+28x^5-48x^4+51x^3-400x^2-356x-68)/(x-1)^8$  ogf]

A250145 3.68156 [  $-(x^8-9x^7+36x^6-80x^5+68x^4+340x^3+1866x^2+1027x+111)/(x-1)^9$  ogf]

A250146 5.25635 [  $-(x^9-10x^8+45x^7-120x^6+207x^5-574x^4-4831x^3-8032x^2-2730x-180)/(x-1)^{10}$  ogf]

A250155 4.59560 [  $-(x^6-7x^5+41x^4+432x^3+1243x^2+703x+107)/(x-1)^7$  ogf]

A250156 4.11533 [  $-(x^7-8x^6+68x^5+339x^4-1707x^3-4514x^2-1906x-193)/(x-1)^8$  ogf]



A250157 3.32581 [  $-(x^8-9x^7+51x^6-1117x^5-4393x^4+9231x^3+17091x^2+5191x+354)/(x-1)^9$  ogf]  
A250162 3.18115 [  $\{(-24n-64)a(n+1)+(42n+88)a(n+2)+(-21n-38)a(n+3)+(3n+5)a(n+4), a(0) = 4, a(1) = 20, a(2) = 96, a(3) = 436\}$ , ogf]  
A250162 8.97695 [  $4*(5x^2-3x+1)/(4x-1)/(2x-1)/(x-1)^2$  ogf]  
A250163 3.70083 [  $(44x^7+52x^6-311x^5+599x^4-502x^3+208x^2-47x+5)/(5x-1)/(3x-1)/(2x-1)^2/(x-1)^4$  ogf]  
A250168 7.06544 [  $-(x^5-2x^4-14x^3-14x^2-21x-8)/(x+1)^2/(x-1)^4$  ogf]  
A250212 4.52821 [  $(x^6+120x^5+1191x^4+2416x^3+1191x^2+120x+1)/(x-1)^{10}$  ogf]  
A250230 11.7047 [  $-(x^3-2x^2+11x+8)/(x+1)/(x-1)^3$  ogf]  
A250230 8.03264 [  $-(x^4-2x^3+32x^2+50x+27)/(x^5-2x^4+10x^3+10x^2-11x-8)$  lgdogf]  
A250256 10.5520 [  $(10x^3-8x^2+5x+1)/(x-1)/(10x^2-1)$  ogf]  
A250256 5.62772 [  $\{-a(n+4)+a(n+3)+10a(n+2)-10a(n+1), a(0) = 1, a(1) = 6, a(2) = 8, a(3) = 68\}$ , ogf]  
A250257 5.14564 [  $\{a(n+5)-a(n+4)-10a(n+3)+10a(n+2), a(0) = 1, a(1) = 0, a(2) = 8, a(3) = 48, a(4) = 88\}$ , ogf]  
A250257 9.33838 [  $-(40x^4-50x^3+2x^2+x-1)/(x-1)/(10x^2-1)$  ogf]  
A250258 5.14564 [  $\{a(n+5)-a(n+4)-10a(n+3)+10a(n+2), a(0) = 1, a(1) = 0, a(2) = 8, a(3) = 68, a(4) = 88\}$ , ogf]  
A250258 9.33838 [  $-(60x^4-70x^3+2x^2+x-1)/(x-1)/(10x^2-1)$  ogf]  
A250271 6.27925 [  $-(24x^5-60x^4+24x^3+21x^2-16x+3)/(3x-1)/(2x-1)^2/(x-1)^2$  ogf]  
A250303 8.43902 [  $x^2*(x^6-2x^5+x^4-2x^3+2x^2+x+1)/(x-1)^4/(x^2+x+1)^4$  ogf]  
A250304 5.36785 [  $x^3*(x^{12}-3x^{11}+3x^{10}-x^9-3x^8+6x^7-4x^6+5x^5+3x^4-3x^3-3x^2-x-1)/(x-1)^5/(x+1)^5/(x^2+1)^5$  ogf]  
A250313 6.83496 [  $-2*(2x^5-6x^4-6x^3+8x^2-x-1)/(2x-1)/(x+1)^2/(x-1)^3$  ogf]  
A250321 5.64881 [  $-(x^7-2x^6-2x^5-8x^4-6x^3-18x^2-9x-8)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A250337 5.98087 [  $-(x^5-6x^4-4x^3-142x^2-165x-44)/(x-1)^6$  ogf]  
A250338 5.05485 [  $-(x^6-7x^5-20x^4-96x^3+343x^2+431x+68)/(x-1)^7$  ogf]  
A250339 3.96897 [  $-(x^7-8x^6+9x^5+308x^4+635x^3-1152x^2-1125x-108)/(x-1)^8$  ogf]  
A250340 3.70401 [  $-(x^8-9x^7+65x^6+227x^5-2357x^4-2703x^3+4335x^2+2861x+172)/(x-1)^9$  ogf]  
A250341 5.11580 [  $-(x^9-10x^8+60x^7-1086x^6-3294x^5+14650x^4+9340x^3-15794x^2-7051x-272)/(x-1)^{10}$  ogf]  
A250346 8.35710 [  $-(x^5-5x^3-2x^2+4)/(x^6-5x^4-2x^3+4x-1)$  ogf]  
A250352 10.4173 [  $-2*(x^3-3x^2+3x-4)/(x-1)^4$  ogf]  
A250352 5.27718 [  $\{(n+5)a(n+1)+(-2n-8)a(n+2)+(n+3)a(n+3), a(0) = 8, a(1) = 26, a(2) = 62\}$ , ogf]  
A250352 9.90285 [  $-(-x^3+3x^2-3x+13)/(-x^4+4x^3-6x^2+7x-4)$  lgdogf]  
A250353 6.85982 [  $-(x^5-4x^4-4x^3+20x^2-5x+16)/(x-1)^5$  ogf]  
A250354 5.22685 [  $-2*(3x^7-16x^6+33x^5-18x^4+2x^3-36x^2-12x-16)/(x-1)^6$  ogf]  
A250355 3.98212 [  $-(58x^9-336x^8+783x^7-847x^6+168x^5+204x^4+113x^3+339x^2+174x+64)/(x-1)^7$  ogf]  
A250357 7.15278 [  $-(x^7-11x^4-2x^3+5)/(x^8-11x^5-2x^4+5x-1)$  ogf]  
A250362 6.85982 [  $-(x^5-2x^4-2x^3+10x^2+x+16)/(x-1)^5$  ogf]  
A250363 5.29147 [  $-(5x^7-22x^6+29x^5-8x^4-3x^3-38x^2-51x-32)/(x-1)^6$  ogf]  
A250364 4.07262 [  $-(42x^9-232x^8+482x^7-405x^6+57x^5+44x^4+98x^3+289x^2+281x+64)/(x-1)^7$  ogf]  
A250374 4.92162 [  $-(x^6-7x^5+55x^4+404x^3+1243x^2+731x+93)/(x-1)^7$  ogf]  
A250375 4.07614 [  $-(x^7-8x^6+114x^5+417x^4-939x^3-4026x^2-1888x-151)/(x-1)^8$  ogf]  
A250376 3.32581 [  $-(x^8-9x^7+80x^6-1252x^5-5005x^4+3769x^3+14544x^2+4900x+252)/(x-1)^9$  ogf]  
A250381 4.08459 [  $-2*(12x^9+7x^8+4x^7+15x^6-71x^5-50x^4+7x^3-8x^2+18x$

+21)/(x^10+x^7-7\*x^6-x^5+3\*x^4-x^3+2\*x^2+x-1) ogf]  
A250388 3.89228 [ {(-7\*n^2-61\*n-132)\*a(n+1)+(-4\*n^2-99\*n-377)\*a(n+2)+(11\*n^2+70\*n+111)\*a(n+3), a(0) = 6, a(1) = 78, a(2) = 432}, ogf]  
A250388 7.35209 [ 6\*(x+1)\*(3\*x^2+6\*x+1)/(x-1)^6 ogf]  
A250388 8.76936 [ -(9\*x^3+45\*x^2+53\*x+13)/(3\*x^4+6\*x^3-2\*x^2-6\*x-1) lgdogf]  
A250389 5.56592 [ -2\*(25\*x^4+124\*x^3+156\*x^2+52\*x+3)/(x-1)^7 ogf]  
A250390 4.60039 [ 2\*(70\*x^5+547\*x^4+1107\*x^3+680\*x^2+113\*x+3)/(x-1)^8 ogf]  
A250391 3.79439 [ -2\*(196\*x^6+2335\*x^5+7322\*x^4+7539\*x^3+2535\*x^2+230\*x+3)/(x-1)^9 ogf]  
A250413 3.31843 [ -  
(36\*x^9+36\*x^8-257\*x^7-40\*x^6+397\*x^5-84\*x^4-148\*x^3+49\*x^2+13\*x-5)/(x-1)/  
(3\*x-1)/(2\*x+1)/(2\*x-1)/(x^3-x^2-2\*x+1)/(x^3+3\*x^2-1) ogf]  
A250420 8.37941 [ -(x^4-4\*x^3-5\*x^2-8\*x-10)/(x+1)/(x-1)^4 ogf]  
A250421 4.14041 [ -(x^9+37\*x^7+44\*x^6+48\*x^5-36\*x^4-77\*x^3-96\*x^2-45\*x-20)/(x^2+x+1)^2/(x-1)^6 ogf]  
A250426 3.49875 [ -  
(6\*x^11-11\*x^10-26\*x^9+56\*x^8+40\*x^7-115\*x^6-20\*x^5+124\*x^4-36\*x^2+36\*x+36)/(x+1)^5/(x-1)^7 ogf]  
A250447 6.14874 [ -(108\*x^4+66\*x^3-170\*x^2-47\*x+44)/(x-1)/(6\*x^2+3\*x-1)/(2\*x^2+2\*x-1) ogf]  
A250461 11.8026 [ -(8\*x^2+2\*x-11)/(x-1)/(2\*x^2+2\*x-1) ogf]  
A250461 6.57049 [ {a(n+3)-3\*a(n+2)+2\*a(n), a(0) = 11, a(1) = 31, a(2) = 85}, ogf]  
A250462 6.63029 [ -(32\*x^4+2\*x^3-72\*x^2+10\*x+31)/(4\*x^3+8\*x^2+2\*x-1)/(x-1)^2 ogf]  
A250512 3.95125 [ -(2304\*x^6+2064\*x^5-3492\*x^4-2162\*x^3+1094\*x^2+311\*x-120)/(x-1)/(6\*x-1)/(2\*x+1)/(6\*x^2+3\*x-1)/(2\*x^2+2\*x-1) ogf]  
A250522 3.08929 [ -  
(1944\*x^8-13260\*x^7+39534\*x^6-66849\*x^5+72501\*x^4-52780\*x^3+25244\*x^2-7109\*x+867)/(3\*x-1)/(2\*x-1)^3/(x-1)^5 ogf]  
A250525 3.39359 [ -  
(52488\*x^8-358644\*x^7+1091250\*x^6-1635631\*x^5+1762541\*x^4-1507547\*x^3+869263\*x^2-276084\*x+35064)/(3\*x-1)/(2\*x-1)^3/(x-1)^5 ogf]  
A250526 3.43247 [ -  
(157464\*x^8-1075980\*x^7+3312070\*x^6-4657625\*x^5+4981875\*x^4-4555432\*x^3+2762712\*x^2-890301\*x+112373)/(3\*x-1)/(2\*x-1)^3/(x-1)^5 ogf]  
A250554 11.7656 [ -2\*(2\*x^2-2\*x-1)/(x-1)/(2\*x-1)/(x+1) ogf]  
A250554 6.35136 [ {a(n+3)-2\*a(n+2)-a(n+1)+2\*a(n), a(0) = 2, a(1) = 8, a(2) = 14}, ogf]  
A250554 8.54410 [ -(-4\*x^4+8\*x^3+2\*x-4)/(-4\*x^5+6\*x^4+4\*x^3-7\*x^2+1) lgdogf]  
A250576 8.88587 [ -(4\*x^3-7\*x^2-6\*x+10)/(x-1)/(x^3-x^2-2\*x+1) ogf]  
A250577 7.02889 [ -(24\*x^4-61\*x^3+26\*x^2+36\*x-24)/(3\*x^2+x-1)/(x-1)^3 ogf]  
A250578 4.35824 [ -(17\*x^7-68\*x^6+10\*x^5+256\*x^4-335\*x^3+44\*x^2+133\*x-55)/(x^5-x^4-5\*x^3+3\*x^2+2\*x-1)/(x-1)^3 ogf]  
A250579 3.45732 [ -  
(8\*x^9+106\*x^8-642\*x^7+1032\*x^6+23\*x^5-1560\*x^4+1273\*x^3+54\*x^2-421\*x+125)/(4\*x^5-3\*x^4-7\*x^3+4\*x^2+2\*x-1)/(x-1)^4 ogf]  
A250585 3.65470 [ -(9\*x^8-26\*x^7-30\*x^6+132\*x^5-12\*x^4-190\*x^3+83\*x^2+73\*x-40)/(x-1)/(x^3-x^2-2\*x+1)/(x^5-x^4-4\*x^3+3\*x^2+3\*x-1) ogf]  
A250605 8.30993 [ -2\*(8\*x^3-27\*x^2+33\*x-13)/(x-1)^3/(2\*x-1) ogf]  
A250606 7.90207 [ -(32\*x^3-110\*x^2+145\*x-57)/(x-1)^3/(2\*x-1) ogf]  
A250607 8.04342 [ -2\*(32\*x^3-111\*x^2+155\*x-60)/(x-1)^3/(2\*x-1) ogf]  
A250608 7.58946 [ -(128\*x^3-446\*x^2+649\*x-247)/(x-1)^3/(2\*x-1) ogf]  
A250609 7.69063 [ -2\*(128\*x^3-447\*x^2+669\*x-251)/(x-1)^3/(2\*x-1) ogf]  
A250610 7.66394 [ -(512\*x^3-1790\*x^2+2729\*x-1013)/(x-1)^3/(2\*x-1) ogf]  
A250625 3.85116 [ -(9\*x^8-8\*x^7-55\*x^6+57\*x^5+97\*x^4-131\*x^3-26\*x^2+91\*x-36)/(x^3-x^2-2\*x+1)/(x-1)^2/(x^2+x-1)^2 ogf]  
A250633 4.11456 [ -(9\*x^7-17\*x^6-46\*x^5+83\*x^4+70\*x^3-113\*x^2-26\*x+36)/(x^3-x^2-2\*x+1)/(x^5-x^4-4\*x^3+3\*x^2+3\*x-1) ogf]  
A250640 3.26790 [ -  
(36\*x^9-192\*x^8+239\*x^7+201\*x^6-541\*x^5+242\*x^4+80\*x^3-76\*x^2+11\*x+1)/(x-1)/  
(3\*x-1)/(2\*x+1)/(2\*x-1)/(x^3-3\*x^2+1)/(x^3-x^2-2\*x+1) ogf]

A250647 6.74681 [  $-(x^6-x^5+6x^3-3x^2-17x-6)/(x+1)^3/(x-1)^4$  ogf]  
A250652 6.48362 [  $-(16x^4-48x^3+62x^2-38x+9)/(x-1)^2/(2x-1)^3$  ogf]  
A250653 13.7444 [  $-(44x-49)/(2x-1)/(x-1)$  ogf]  
A250653 7.59982 [  $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 49, a(1) = 103\}$ , ogf]  
A250653 8.61313 [  $(-88x^2+196x-103)/(-88x^3+230x^2-191x+49)$  lgdogf]  
A250654 13.9547 [  $-2*(29x-32)/(2x-1)/(x-1)$  ogf]  
A250654 7.71614 [  $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 64, a(1) = 134\}$ , ogf]  
A250654 8.86314 [  $(-58x^2+128x-67)/(-58x^3+151x^2-125x+32)$  lgdogf]  
A250655 14.0950 [  $-(74x-81)/(2x-1)/(x-1)$  ogf]  
A250655 7.79369 [  $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 81, a(1) = 169\}$ , ogf]  
A250655 8.60343 [  $(-148x^2+324x-169)/(-148x^3+384x^2-317x+81)$  lgdogf]  
A250657 11.4200 [  $(-16x^2+62x-70)/(-16x^3+63x^2-86x+39)$  lgdogf]  
A250657 12.6690 [  $-(16x^2-47x+39)/(x-1)^3$  ogf]  
A250657 6.98982 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 39, a(1) = 70, a(2) = 109\}$ , ogf]  
A250658 10.6648 [  $(-32x^2+126x-142)/(-32x^3+127x^2-174x+79)$  lgdogf]  
A250658 12.4978 [  $-(32x^2-95x+79)/(x-1)^3$  ogf]  
A250658 6.83642 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 79, a(1) = 142, a(2) = 221\}$ , ogf]  
A250659 10.4842 [  $(-64x^2+254x-286)/(-64x^3+255x^2-350x+159)$  lgdogf]  
A250659 12.0727 [  $-(64x^2-191x+159)/(x-1)^3$  ogf]  
A250659 6.75253 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 159, a(1) = 286, a(2) = 445\}$ , ogf]  
A250660 10.2862 [  $(-128x^2+510x-574)/(-128x^3+511x^2-702x+319)$  lgdogf]  
A250660 11.9749 [  $-(128x^2-383x+319)/(x-1)^3$  ogf]  
A250660 6.79932 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 319, a(1) = 574, a(2) = 893\}$ , ogf]  
A250661 11.5334 [  $-(256x^2-767x+639)/(x-1)^3$  ogf]  
A250661 6.43948 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 639, a(1) = 1150, a(2) = 1789\}$ , ogf]  
A250661 9.42362 [  $(-256x^2+1022x-1150)/(-256x^3+1023x^2-1406x+639)$  lgdogf]  
A250677 3.72835 [  $-(2304x^6+3792x^5-1516x^4-2514x^3+579x^2+371x-104)/(4x-1)/(9x^2+3x-1)/(4x^2+2x-1)/(x^2+x-1)$  ogf]  
A250692 3.61360 [  $(-2304x^6-8880x^5+13756x^4-11052x^3+4877x^2-1121x+104)/(4x-1)/(x-1)^2/(3x-1)^2/(2x-1)^2$  ogf]  
A250723 7.29256 [  $-(8x^5-31x^4+34x^3+11x^2-42x+22)/(x+1)/(x-1)^5$  ogf]  
A250724 7.03307 [  $-(17x^5-70x^4+83x^3+18x^2-90x+50)/(x+1)/(x-1)^5$  ogf]  
A250725 4.95738 [  $-(x^7+25x^6-160x^5+316x^4-148x^3-237x^2+313x-114)/(x+1)/(x-1)^6$  ogf]  
A250726 4.37248 [  $-(x^9-12x^8+93x^7-440x^6+1060x^5-1079x^4-110x^3+1180x^2-946x+257)/(x+1)/(x-1)^7$  ogf]  
A250730 8.91471 [  $-(4x^3-7x^2-5x+9)/(x-1)/(x^3-x^2-2x+1)$  ogf]  
A250731 4.94376 [  $\{-a(n+4)+2a(n+3)+2a(n+2)-3a(n+1), a(0) = 18, a(1) = 46, a(2) = 110, a(3) = 257\}$ , ogf]  
A250731 9.47554 [  $-(x^3+18x^2-10x-18)/(x-1)/(3x^2+x-1)$  ogf]  
A250732 4.63476 [  $(2x^7-14x^6+23x^5+41x^4-131x^3+66x^2+47x-33)/(x^5-x^4-5x^3+3x^2+2x-1)/(x-1)^2$  ogf]  
A250733 4.36502 [  $(8x^8+22x^7-149x^6+183x^5+81x^4-323x^3+153x^2+88x-58)/(4x^5-3x^4-7x^3+4x^2+2x-1)/(x-1)^2$  ogf]  
A250734 3.31742 [  $(3x^{11}+3x^{10}-17x^9-119x^8+48x^7+648x^6-804x^5-168x^4+783x^3-320x^2-166x+99)/(x^6-9x^4-3x^3+6x^2+x-1)/(x-1)^3$  ogf]  
A250737 10.3510 [  $(-32x^2+36x-11)/(-32x^3+66x^2-43x+9)$  lgdogf]  
A250737 15.4164 [  $-2*(16x-9)/(2x-1)/(x-1)$  ogf]  
A250737 8.62586 [  $\{a(n+2)-3a(n+1)+2a(n), a(0) = 18, a(1) = 22\}$ , ogf]  
A250738 10.0635 [  $(-64x^2+68x-19)/(-64x^3+130x^2-83x+17)$  lgdogf]  
A250738 15.4164 [  $-2*(32x-17)/(2x-1)/(x-1)$  ogf]  
A250738 8.62586 [  $\{a(n+2)-3a(n+1)+2a(n), a(0) = 34, a(1) = 38\}$ , ogf]  
A250739 15.1668 [  $-2*(64x-33)/(2x-1)/(x-1)$  ogf]  
A250739 8.66674 [  $\{a(n+2)-3a(n+1)+2a(n), a(0) = 66, a(1) = 70\}$ , ogf]

A250739 9.57903 [  $-( -128x^2+132x-35)/( -128x^3+258x^2-163x+33)$  lgdogf ]  
A250740 15.1376 [  $-2*(128x-65)/(2x-1)/(x-1)$  ogf ]  
A250740 8.62491 [  $\{a(n+2)-3a(n+1)+2a(n), a(0) = 130, a(1) = 134\}$ , ogf ]  
A250740 9.75976 [  $-( -256x^2+260x-67)/( -256x^3+514x^2-323x+65)$  lgdogf ]  
A250741 15.1376 [  $-2*(256x-129)/(2x-1)/(x-1)$  ogf ]  
A250741 8.62491 [  $\{a(n+2)-3a(n+1)+2a(n), a(0) = 258, a(1) = 262\}$ , ogf ]  
A250741 9.38914 [  $-( -512x^2+516x-131)/( -512x^3+1026x^2-643x+129)$  lgdogf ]  
A250748 3.27467 [  $-(648x^8-2916x^7+6642x^6-9099x^5+7887x^4-4434x^3+1599x^2-339x+32)/(2x-1)^3/(3x-1)^3/(x-1)^3$  ogf ]  
A250749 5.39410 [  $\{a(n+3)-6a(n+2)+11a(n+1)-6a(n), a(0) = 72, a(1) = 237, a(2) = 756\}$ , ogf ]  
A250749 9.50006 [  $-3*(42x^2-65x+24)/(2x-1)/(3x-1)/(x-1)$  ogf ]  
A250750 5.48711 [  $\{a(n+3)-6a(n+2)+11a(n+1)-6a(n), a(0) = 129, a(1) = 423, a(2) = 1353\}$ , ogf ]  
A250750 9.68313 [  $-3*(78x^2-117x+43)/(2x-1)/(3x-1)/(x-1)$  ogf ]  
A250751 5.15173 [  $\{a(n+3)-6a(n+2)+11a(n+1)-6a(n), a(0) = 203, a(1) = 663, a(2) = 2123\}$ , ogf ]  
A250751 9.09129 [  $-(42x-29)*(9x-7)/(2x-1)/(3x-1)/(x-1)$  ogf ]  
A250752 5.17749 [  $\{a(n+3)-6a(n+2)+11a(n+1)-6a(n), a(0) = 294, a(1) = 957, a(2) = 3066\}$ , ogf ]  
A250752 9.13675 [  $-3*(186x^2-269x+98)/(2x-1)/(3x-1)/(x-1)$  ogf ]  
A250753 5.26243 [  $\{a(n+3)-6a(n+2)+11a(n+1)-6a(n), a(0) = 402, a(1) = 1305, a(2) = 4182\}$ , ogf ]  
A250753 9.22832 [  $-3*(258x^2-369x+134)/(2x-1)/(3x-1)/(x-1)$  ogf ]  
A250754 4.90645 [  $\{a(n+3)-6a(n+2)+11a(n+1)-6a(n), a(0) = 527, a(1) = 1707, a(2) = 5471\}$ , ogf ]  
A250754 8.48116 [  $-(1026x^2-1455x+527)/(2x-1)/(3x-1)/(x-1)$  ogf ]  
A250756 11.4297 [  $-( -9x^2+30x-72)/( -9x^3+33x^2-56x+32)$  lgdogf ]  
A250756 12.5182 [  $-(9x^2-24x+32)/(x-1)^3$  ogf ]  
A250756 6.79869 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 32, a(1) = 72, a(2) = 129\}$ , ogf ]  
A250757 11.3623 [  $-( -9x^2+34x-79)/( -9x^3+35x^2-61x+35)$  lgdogf ]  
A250757 12.0616 [  $-3*(9x^2-26x+35)/(x-1)^3$  ogf ]  
A250757 6.64408 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 105, a(1) = 237, a(2) = 423\}$ , ogf ]  
A250758 11.4564 [  $-(81x^2-240x+332)/(x-1)^3$  ogf ]  
A250758 6.35397 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 332, a(1) = 756, a(2) = 1353\}$ , ogf ]  
A250758 9.94899 [  $-( -81x^2+318x-756)/( -81x^3+321x^2-572x+332)$  lgdogf ]  
A250759 10.8495 [  $-3*(81x^2-242x+343)/(x-1)^3$  ogf ]  
A250759 6.09722 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1029, a(1) = 2361, a(2) = 4239\}$ , ogf ]  
A250759 9.70742 [  $-( -81x^2+322x-787)/( -81x^3+323x^2-585x+343)$  lgdogf ]  
A250760 10.4015 [  $-(729x^2-2184x+3152)/(x-1)^3$  ogf ]  
A250760 5.88282 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 3152, a(1) = 7272, a(2) = 13089\}$ , ogf ]  
A250760 8.64704 [  $-( -729x^2+2910x-7272)/( -729x^3+2913x^2-5336x+3152)$  lgdogf ]  
A250761 10.1500 [  $-3*(729x^2-2186x+3195)/(x-1)^3$  ogf ]  
A250761 5.77642 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 9585, a(1) = 22197, a(2) = 40023\}$ , ogf ]  
A250761 8.56024 [  $-( -729x^2+2914x-7399)/( -729x^3+2915x^2-5381x+3195)$  lgdogf ]  
A250762 5.73138 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 29012, a(1) = 67356, a(2) = 121593\}$ , ogf ]  
A250762 7.96026 [  $-( -6561x^2+26238x-67356)/( -6561x^3+26241x^2-48692x+29012)$  lgdogf ]  
A250762 9.95032 [  $-(6561x^2-19680x+29012)/(x-1)^3$  ogf ]  
A250764 10.3611 [  $-(41x^2-78x+35)/(2x-1)/(x-1)^2$  ogf ]  
A250764 5.71645 [  $\{a(n+3)-4a(n+2)+5a(n+1)-2a(n), a(0) = 35, a(1) = 62, a(2) = 114\}$ , ogf ]  
A250764 7.05434 [  $-(82x^3-230x^2+206x-62)/(82x^4-279x^3+345x^2-183x+35)$

lgdogf]  
 A250765 10.4067 [  $-2*(40*x^2-79*x+34)/(2*x-1)/(x-1)^2$  ogf]  
 A250765 5.78151 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 68, a(1) = 114, a(2) = 196\}$ , ogf]  
 A250765 7.19614 [  $-(-80*x^3+236*x^2-203*x+57)/(-80*x^4+278*x^3-345*x^2+181*x-34)$   
 lgdogf]  
 A250766 5.50237 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 133, a(1) = 214, a(2) = 344\}$ , ogf]  
 A250766 9.69075 [  $-(153*x^2-318*x+133)/(2*x-1)/(x-1)^2$  ogf]  
 A250767 5.58617 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 262, a(1) = 410, a(2) = 622\}$ , ogf]  
 A250767 9.83833 [  $-2*(146*x^2-319*x+131)/(2*x-1)/(x-1)^2$  ogf]  
 A250768 5.65001 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 519, a(1) = 798, a(2) = 1158\}$ , ogf]  
 A250768 9.88751 [  $-3*(187*x^2-426*x+173)/(2*x-1)/(x-1)^2$  ogf]  
 A250770 10.5754 [  $-2*(8*x^2-19*x+9)/(2*x-1)/(x-1)^2$  ogf]  
 A250770 5.88545 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 18, a(1) = 34, a(2) = 62\}$ , ogf]  
 A250770 7.69122 [  $-(-16*x^3+60*x^2-57*x+17)/(-16*x^4+62*x^3-83*x^2+46*x-9)$   
 lgdogf]  
 A250771 8.35740 [  $-2*(2*x-3)*(8*x^2-15*x+6)/(x-1)^3/(2*x-1)$  ogf]  
 A250772 8.47911 [  $-2*(32*x^3-107*x^2+115*x-36)/(x-1)^3/(2*x-1)$  ogf]  
 A250773 7.91887 [  $-2*(64*x^3-212*x^2+231*x-72)/(x-1)^3/(2*x-1)$  ogf]  
 A250774 8.03648 [  $-2*(128*x^3-421*x^2+463*x-144)/(x-1)^3/(2*x-1)$  ogf]  
 A250775 8.00494 [  $-2*(256*x^3-838*x^2+927*x-288)/(x-1)^3/(2*x-1)$  ogf]  
 A250777 14.0378 [  $-(17*x-21)/(2*x-1)/(x-1)$  ogf]  
 A250777 7.85448 [  $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 21, a(1) = 46\}$ , ogf]  
 A250777 9.29262 [  $-(-34*x^2+84*x-46)/(-34*x^3+93*x^2-80*x+21)$  lgdogf]  
 A250778 10.1965 [  $-2*(18*x^2-39*x+23)/(2*x-1)/(x-1)^2$  ogf]  
 A250778 5.57757 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-2*a(n), a(0) = 46, a(1) = 106, a(2) = 230\}$ , ogf]  
 A250778 6.94230 [  $- (36*x^3-120*x^2+141*x-53)/(36*x^4-132*x^3+181*x^2-108*x+23)$   
 lgdogf]  
 A250779 6.68768 [  $-(73*x^4-304*x^3+492*x^2-356*x+99)/(2*x-1)/(x-1)^4$  ogf]  
 A250780 4.57895 [  $-(153*x^6-922*x^5+2401*x^4-3376*x^3+2693*x^2-1154*x+209)/(2*x-1)/(x-1)^6$  ogf]  
 A250781 3.34893 [  $-2*(160*x^8-1253*x^7+4469*x^6-9259*x^5+12093*x^4-10163*x^3+5364*x^2-1627*x+218)/(2*x-1)/(x-1)^8$  ogf]  
 A250784 8.45546 [  $-2*(8*x^3-3*x^2-13*x+9)/(2*x-1)/(x-1)/(x^2+x-1)$  ogf]  
 A250785 6.79347 [  $-2*(16*x^4-22*x^3-19*x^2+42*x-18)/(2*x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
 A250786 4.85095 [  $-2*(32*x^6-43*x^5-73*x^4+129*x^3+3*x^2-82*x+36)/(2*x-1)/(x+1)/(x^2+x-1)/(x-1)^3$  ogf]  
 A250787 4.29662 [  $-2*(64*x^7-148*x^6-70*x^5+420*x^4-259*x^3-171*x^2+234*x-72)/(2*x-1)/(x+1)/(x^2+x-1)/(x-1)^4$  ogf]  
 A250788 3.40381 [  $-2*(128*x^8-421*x^7+137*x^6+1026*x^5-1408*x^4+195*x^3+811*x^2-610*x+144)/(2*x-1)/(x+1)/(x^2+x-1)/(x-1)^5$  ogf]  
 A250791 3.54769 [  $\{(-2*n-4)*a(n+1)-2*a(n+2)+(3*n+4)*a(n+3)+(-n-1)*a(n+4), a(0) = 24, a(1) = 66, a(2) = 180, a(3) = 490\}$ , ogf]  
 A250791 8.14654 [  $-2*(8*x^3-6*x^2-15*x+12)/(2*x^2+2*x-1)/(x-1)^2$  ogf]  
 A250792 7.16752 [  $-2*(48*x^4-79*x^3-25*x^2+81*x-27)/(3*x-1)/(2*x-1)/(x+1)/(x-1)^2$  ogf]  
 A250793 4.63656 [  $-2*(128*x^6+10*x^5-624*x^4+416*x^3+271*x^2-284*x+59)/(2*x-1)/(4*x^2+2*x-1)/(x^2+2*x-1)/(x-1)^2$  ogf]  
 A250794 3.37932 [  $-2*(640*x^8+580*x^7-3484*x^6-609*x^5+4886*x^4-1552*x^3-1356*x^2+841*x-126)/(2*x-1)/(2*x^2+2*x-1)/(5*x^2+2*x-1)/(x^2+2*x-1)/(x-1)^2$  ogf]  
 A250798 11.1881 [  $-2*(4*x^2+3*x-5)/(2*x-1)/(x^2+x-1)$  ogf]  
 A250798 6.03186 [  $\{a(n+3)-3*a(n+2)+a(n+1)+2*a(n), a(0) = 10, a(1) = 24, a(2) =$

54}], ogf]

A250799 8.70538 [  $-2*(8*x^3-3*x^2-15*x+12)/(2*x-1)/(x-1)/(x^2+x-1)$  ogf]

A250800 6.61493 [  $-2*(16*x^4-23*x^3-23*x^2+55*x-29)/(2*x-1)/(x^2+x-1)/(x-1)^2$  ogf]

A250801 4.26397 [  $-2*(32*x^7-15*x^6-125*x^5+82*x^4+148*x^3-125*x^2-35*x+70)/(2*x-1)/(x^2+x-1)/(x+1)^2/(x-1)^3$  ogf]

A250802 3.66011 [  $-2*(64*x^8-95*x^7-221*x^6+423*x^5+137*x^4-577*x^3+197*x^2+177*x-169)/(2*x-1)/(x^2+x-1)/(x+1)^2/(x-1)^4$  ogf]

A250806 5.07446 [ {a(n+3)-6\*a(n+2)+11\*a(n+1)-6\*a(n), a(0) = 100, a(1) = 379, a(2) = 1315}, ogf]

A250806 8.95493 [  $-(141*x^2-221*x+100)/(2*x-1)/(3*x-1)/(x-1)$  ogf]

A250807 5.22901 [ {a(n+3)-6\*a(n+2)+11\*a(n+1)-6\*a(n), a(0) = 225, a(1) = 873, a(2) = 3081}, ogf]

A250807 9.22766 [  $-3*(106*x^2-159*x+75)/(2*x-1)/(3*x-1)/(x-1)$  ogf]

A250808 4.95678 [ {a(n+3)-6\*a(n+2)+11\*a(n+1)-6\*a(n), a(0) = 441, a(1) = 1731, a(2) = 6171}, ogf]

A250808 8.82015 [  $-3*(212*x^2-305*x+147)/(2*x-1)/(3*x-1)/(x-1)$  ogf]

A250809 5.01598 [ {a(n+3)-6\*a(n+2)+11\*a(n+1)-6\*a(n), a(0) = 784, a(1) = 3097, a(2) = 11116}, ogf]

A250809 8.74213 [  $-(1158*x^2-1607*x+784)/(2*x-1)/(3*x-1)/(x-1)$  ogf]

A250810 5.12371 [ {a(n+3)-6\*a(n+2)+11\*a(n+1)-6\*a(n), a(0) = 1296, a(1) = 5139, a(2) = 18537}, ogf]

A250810 8.87628 [  $-3*(653*x^2-879*x+432)/(2*x-1)/(3*x-1)/(x-1)$  ogf]

A250811 5.17321 [ {a(n+3)-6\*a(n+2)+11\*a(n+1)-6\*a(n), a(0) = 2025, a(1) = 8049, a(2) = 29145}, ogf]

A250811 8.96204 [  $-3*(1042*x^2-1367*x+675)/(2*x-1)/(3*x-1)/(x-1)$  ogf]

A250813 7.50574 [  $-(9*x^4-44*x^3+85*x^2-80*x+36)/(x-1)^5$  ogf]

A250814 6.83151 [  $-(27*x^4-134*x^3+268*x^2-266*x+129)/(x-1)^5$  ogf]

A250815 7.13213 [  $-(81*x^4-404*x^3+826*x^2-845*x+432)/(x-1)^5$  ogf]

A250816 6.26698 [  $-(243*x^4-1214*x^3+2518*x^2-2624*x+1389)/(x-1)^5$  ogf]

A250817 6.41026 [  $-(729*x^4-3644*x^3+7630*x^2-8045*x+4356)/(x-1)^5$  ogf]

A250818 6.14467 [  $-(2187*x^4-10934*x^3+23038*x^2-24476*x+13449)/(x-1)^5$  ogf]

A250819 5.82642 [  $-(6561*x^4-32804*x^3+69406*x^2-74105*x+41112)/(x-1)^5$  ogf]

A250834 7.02408 [  $-(54*x^3-62*x^2+107*x-55)/(6*x^4-8*x^3+13*x^2-8*x+1)$  ogf]

A250846 6.56367 [  $-(384*x^3-740*x^2+457*x-100)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]

A250847 6.20892 [  $-(1344*x^3-2527*x^2+1543*x-400)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]

A250848 5.84290 [  $-(3992*x^3-7302*x^2+4213*x-1225)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]

A250849 5.99372 [  $-4*(2571*x^3-4604*x^2+2481*x-784)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]

A250850 5.51885 [  $-9*(2624*x^3-4624*x^2+2329*x-784)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]

A250851 5.60800 [  $-(49444*x^3-86035*x^2+40707*x-14400)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]

A250852 5.72424 [  $-(96024*x^3-165362*x^2+73953*x-27225)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]

A250854 4.57473 [  $-(64*x^6-447*x^5+1334*x^4-2231*x^3+2241*x^2-1344*x+543)/(x-1)^7$  ogf]

A250855 4.64469 [  $-(256*x^6-1791*x^5+5326*x^4-8976*x^3+9188*x^2-5593*x+2670)/(x-1)^7$  ogf]

A250856 4.00838 [  $-(1024*x^6-7167*x^5+21160*x^4-35749*x^3+37047*x^2-22546*x+12311)/(x-1)^7$  ogf]

A250857 3.91163 [  $-(4096*x^6-28671*x^5+83994*x^4-141944*x^3+148340*x^2-89705*x+54410)/(x-1)^7$  ogf]

A250858 3.80439 [  $-(16384*x^6-114687*x^5+333624*x^4-563481*x^3+592371*x^2-355334*x+233683)/(x-1)^7$  ogf]

A250859 3.61443 [ -

(65536\*x^6-458751\*x^5+1326626\*x^4-2238796\*x^3+2363648\*x^2-1406733\*x+983950)/  
 (x-1)^7 ogf]  
 A250870 4.76820 [ {a(n+3)-8\*a(n+2)+19\*a(n+1)-12\*a(n), a(0) = 90, a(1) = 440, a(2)  
 = 2002}, ogf]  
 A250871 6.61014 [ -2\*(96\*x^2-140\*x+45)/(x-1)/(3\*x-1)/(4\*x-1) ogf]  
 A250871 6.61014 [ -4\*(300\*x^3-583\*x^2+356\*x-72)/(x-1)/(3\*x-1)/(2\*x-1)/(4\*x-1)  
 ogf]  
 A250872 6.20892 [ -2\*(1464\*x^3-2786\*x^2+1669\*x-339)/(x-1)/(3\*x-1)/(2\*x-1)/  
 (4\*x-1) ogf]  
 A250873 6.26477 [ -8\*(744\*x^3-1391\*x^2+819\*x-166)/(x-1)/(3\*x-1)/(2\*x-1)/(4\*x-1)  
 ogf]  
 A250874 5.66031 [ -2\*(5328\*x^3-9828\*x^2+5708\*x-1153)/(x-1)/(3\*x-1)/(2\*x-1)/  
 (4\*x-1) ogf]  
 A250875 5.75064 [ -4\*(4356\*x^3-7953\*x^2+4570\*x-920)/(x-1)/(3\*x-1)/(2\*x-1)/  
 (4\*x-1) ogf]  
 A250876 5.87106 [ -2\*(13320\*x^3-24126\*x^2+13747\*x-2759)/(x-1)/(3\*x-1)/(2\*x-1)/  
 (4\*x-1) ogf]  
 A250878 3.62212 [ {(4159\*n^2+23771\*n+30906)\*a(n+1)+(2324\*n^2+53560\*n+139392)\*a(n  
 +2)+(-6483\*n^2-45405\*n-77868)\*a(n+3), a(0) = 90, a(1) = 288, a(2) = 678}, ogf]  
 A250878 8.76717 [ -(-8\*x^3+42\*x^2-42\*x+144)/(-8\*x^4+41\*x^3-69\*x^2+81\*x-45)  
 lgdogf]  
 A250878 9.52483 [ -2\*(8\*x^3-33\*x^2+36\*x-45)/(x-1)^4 ogf]  
 A250879 7.51185 [ -(-32\*x^3+162\*x^2-198\*x+728)/  
 (-32\*x^4+161\*x^3-281\*x^2+372\*x-220) lgdogf]  
 A250879 8.58498 [ -2\*(32\*x^3-129\*x^2+152\*x-220)/(x-1)^4 ogf]  
 A250880 7.03172 [ -(-128\*x^3+642\*x^2-768\*x+3406)/  
 (-128\*x^4+641\*x^3-1111\*x^2+1599\*x-1001) lgdogf]  
 A250880 8.15040 [ -2\*(128\*x^3-513\*x^2+598\*x-1001)/(x-1)^4 ogf]  
 A250881 6.68496 [ -(-512\*x^3+2562\*x^2-2778\*x+15180)/  
 (-512\*x^4+2561\*x^3-4341\*x^2+6660\*x-4368) lgdogf]  
 A250881 7.96187 [ -2\*(512\*x^3-2049\*x^2+2292\*x-4368)/(x-1)^4 ogf]  
 A250882 7.41742 [ -2\*(2048\*x^3-8193\*x^2+8726\*x-18565)/(x-1)^4 ogf]  
 A250883 6.57668 [ -2\*(8192\*x^3-32769\*x^2+33292\*x-77540)/(x-1)^4 ogf]  
 A250884 6.82604 [ -2\*(32768\*x^3-131073\*x^2+127758\*x-320001)/(x-1)^4 ogf]  
 A250885 23.2145 [3\*x^3-4\*x^2+x revogf]  
 A250885 3.95140 [ {(243\*n^2+972\*n+945)\*a(n+1)+(40\*n^2+220\*n+300)\*a(n  
 +2)+(-4\*n^2-28\*n-48)\*a(n+3), a(0) = 1, a(1) = 4, a(2) = 29}, ogf]  
 A250886 25.9630 [-2\*x^3-x^2+x revogf]  
 A250886 4.41923 [ {(-108\*n^2-432\*n-420)\*a(n+1)+(-40\*n^2-220\*n-300)\*a(n  
 +2)+(9\*n^2+63\*n+108)\*a(n+3), a(0) = 1, a(1) = 1, a(2) = 4}, ogf]  
 A250887 24.8879 [-3\*x^3-2\*x^2+x revogf]  
 A250887 4.12650 [ {(243\*n^2+972\*n+945)\*a(n+1)+(140\*n^2+770\*n+1050)\*a(n  
 +2)+(-16\*n^2-112\*n-192)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 11}, ogf]  
 A250888 23.0242 [-4\*x^3-3\*x^2+x revogf]  
 A250888 3.75905 [ {(432\*n^2+1728\*n+1680)\*a(n+1)+(324\*n^2+1782\*n+2430)\*a(n  
 +2)+(-25\*n^2-175\*n-300)\*a(n+3), a(0) = 1, a(1) = 3, a(2) = 22}, ogf]  
 A250889 23.1242 [-6\*x^3-x^2+x revogf]  
 A250889 3.83407 [ {(-972\*n^2-3888\*n-3780)\*a(n+1)+(-112\*n^2-616\*n-840)\*a(n  
 +2)+(25\*n^2+175\*n+300)\*a(n+3), a(0) = 1, a(1) = 1, a(2) = 8}, ogf]  
 A250890 20.8793 [-10\*x^3-3\*x^2+x revogf]  
 A250890 3.46240 [ {(-2700\*n^2-10800\*n-10500)\*a(n+1)+(-648\*n^2-3564\*n-4860)\*a(n  
 +2)+(49\*n^2+343\*n+588)\*a(n+3), a(0) = 1, a(1) = 3, a(2) = 28}, ogf]  
 A250891 6.57209 [ (2\*x^5-8\*x^4-132\*x^3+264\*x^2-171\*x+37)/(3\*x-1)/(x-1)/(2\*x-1)^2  
 ogf]  
 A250892 3.49963 [ (88\*x^8-328\*x^7-498\*x^6+3984\*x^5-7674\*x^4+7364\*x^3-3898\*x^2+1093\*x-127)/(3\*x-1)/  
 (2\*x-1)^3/(x-1)^3 ogf]  
 A250893 3.51798 [ (594\*x^8-1746\*x^7-1284\*x^6+13314\*x^5-25568\*x^4+24246\*x^3-12668\*x^2+3511\*x-403)/  
 (3\*x-1)/(2\*x-1)^3/(x-1)^3 ogf]  
 A250894 3.32581 [ (2560\*x^8-6688\*x^7-4192\*x^6+42988\*x^5-81484\*x^4+76719\*x^3-39723\*x^2+10881\*x-1229

(2560\*x^8-6688\*x^7-4192\*x^6+42988\*x^5-81484\*x^4+76719\*x^3-39723\*x^2+10881\*x-1229)  
 )/(3\*x-1)/(2\*x-1)^3/(x-1)^3 ogf]  
 A250895 3.31693 [  
 (8800\*x^8-21650\*x^7-14708\*x^6+133698\*x^5-251138\*x^4+236349\*x^3-121853\*x^2+33047\*x-3673)/(3\*x-1)/(2\*x-1)^3/(x-1)^3 ogf]  
 A250896 3.10495 [  
 (26568\*x^8-63432\*x^7-50022\*x^6+402400\*x^5-755858\*x^4+715664\*x^3-368950\*x^2+99285\*x-10875)/(3\*x-1)/(2\*x-1)^3/(x-1)^3 ogf]  
 A250897 3.10111 [  
 (73990\*x^8-174146\*x^7-162292\*x^6+1181770\*x^5-2239408\*x^4+2144026\*x^3-1108848\*x^2+296719\*x-32095)/(3\*x-1)/(2\*x-1)^3/(x-1)^3 ogf]  
 A250899 6.29613 [ -(108\*x^4-348\*x^3+407\*x^2-206\*x+37)/(3\*x-1)/(2\*x-1)^2/(x-1)^2 ogf]  
 A250900 4.96855 [ -(324\*x^5-1392\*x^4+2393\*x^3-2015\*x^2+819\*x-125)/(2\*x-1)^2/(3\*x-1)/(x-1)^3 ogf]  
 A250907 4.47043 [{a(n+3)-24\*a(n+2)+41\*a(n+1)-36\*a(n), a(0) = 603, a(1) = 13401, a(2) = 297873}, ogf]  
 A250907 7.93344 [ -9\*(108\*x^2-119\*x+67)/(36\*x^3-41\*x^2+24\*x-1) ogf]  
 A250916 11.8260 [16/(1-4\*x)^(1/2)/(1+(1-4\*x)^(1/2))^3 lgdegf]  
 A250916 3.12289 [{(-4\*n^3-34\*n^2-42\*n)\*a(n)+(n^3+18\*n^2+95\*n+90)\*a(n+1)+(-10\*n^2-90\*n-156)\*a(n+2)+(2\*n^2+18\*n+36)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 7}, egf]  
 A250917 7.85184 [1/2\*I/x^3/(4\*x-1)^(1/2)\*(2\*x^2-7\*x+2)+1/2\*(3\*x-2)/x^3 lgdegf]  
 A250920 5.54913 [ -(36\*x^4-140\*x^3+245\*x^2-178\*x+58)/(4\*x^5-16\*x^4+29\*x^3-23\*x^2+9\*x-1) ogf]  
 A250928 5.82555 [ -4\*(132\*x^3-134\*x^2+79\*x-41)/(33\*x^4-37\*x^3+23\*x^2-12\*x+1) ogf]  
 A250936 3.06021 [  
 (8\*x^10-40\*x^9+182\*x^8-296\*x^7-1195\*x^6+5586\*x^5-9816\*x^4+9104\*x^3-4730\*x^2+1316\*x-155)/(3\*x-1)/(x-1)^2/(2\*x-1)^4 ogf]  
 A250943 5.88487 [ -(108\*x^4+138\*x^3-109\*x^2-67\*x+37)/(3\*x-1)/(4\*x^2+2\*x-1)/(x^2+x-1) ogf]  
 A250951 3.89695 [{a(n+3)-15\*a(n+2)+24\*a(n+1)+8\*a(n), a(0) = 209, a(1) = 2744, a(2) = 36016}, ogf]  
 A250951 6.94674 [ -(128\*x^2+391\*x-209)/(8\*x^3+24\*x^2-15\*x+1) ogf]  
 A250952 5.53912 [ -4\*(240\*x^3-361\*x^2-463\*x+195)/(30\*x^4-46\*x^3-57\*x^2+27\*x-1) ogf]  
 A250958 3.58264 [ -(576\*x^6-2652\*x^5+5608\*x^4-5991\*x^3+3571\*x^2-1128\*x+170)/(36\*x^7-168\*x^6+361\*x^5-397\*x^4+248\*x^3-86\*x^2+16\*x-1) ogf]  
 A250967 5.74594 [ -(24\*x^4-108\*x^3+118\*x^2-84\*x+49)/(x-1)/(3\*x^4-11\*x^3+6\*x^2-7\*x+1) ogf]  
 A250975 5.80964 [ -(9\*x^4-53\*x^3+111\*x^2-77\*x+71)/(x^5-6\*x^4+13\*x^3-10\*x^2+9\*x-1) ogf]  
 A250987 5.53133 [ -(9\*x^5+56\*x^4+77\*x^3-56\*x^2-82\*x+40)/(x^2+2\*x-1)/(x^4+4\*x^3-4\*x+1) ogf]  
 A250995 4.45474 [ -(27\*x^6+48\*x^5-94\*x^4-146\*x^3+88\*x^2+71\*x-40)/(3\*x-1)/(x+1)/(x^2+x-1)/(x^3-3\*x+1) ogf]  
 A251003 5.58431 [ -(36\*x^4-104\*x^3+141\*x^2-91\*x+69)/(4\*x^5-12\*x^4+17\*x^3-12\*x^2+9\*x-1) ogf]  
 A251012 6.03464 [ -(9\*x^4-62\*x^3+155\*x^2-144\*x+63)/(x^5-7\*x^4+18\*x^3-18\*x^2+9\*x-1) ogf]  
 A251021 4.08046 [ -(46\*x^7-255\*x^6+557\*x^5-571\*x^4+157\*x^3+264\*x^2-244\*x+110)/(3\*x^2+x-1)/(x-1)^6 ogf]  
 A251048 3.95132 [ -(6\*x^8-18\*x^7-34\*x^6+245\*x^5-470\*x^4+363\*x^3+12\*x^2-172\*x+66)/(3\*x^2+x-1)/(x-1)^6 ogf]  
 A251049 3.20905 [ -  
 (19\*x^10+113\*x^9-936\*x^8+1772\*x^7+228\*x^6-5116\*x^5+7493\*x^4-4658\*x^3+640\*x^2+792\*x-290)/(3\*x^2+x-1)/(x-1)^7 ogf]  
 A251081 5.67300 [ -(2\*x^6+6\*x^5-47\*x^4+70\*x^3-7\*x^2-52\*x+27)/(2\*x-1)/(x+1)/(x-1)^4 ogf]  
 A251082 4.57382 [ -(26\*x^7-29\*x^6-204\*x^5+549\*x^4-472\*x^3+9\*x^2+214\*x-83)/



$(2*x-1)/(x+1)/(x-1)^5$  ogf]  
A251083 4.33694 [  $-(82*x^7-85*x^6-674*x^5+1768*x^4-1460*x^3+35*x^2+536*x-192)/(2*x-1)/(x+1)/(x-1)^5$  ogf]  
A251084 4.35114 [  $-2*(89*x^7-53*x^6-886*x^5+2125*x^4-1662*x^3+7*x^2+607*x-210)/(2*x-1)/(x+1)/(x-1)^5$  ogf]  
A251085 4.45624 [  $-(320*x^7+27*x^6-4098*x^5+8954*x^4-6460*x^3-511*x^2+2698*x-872)/(2*x-1)/(x+1)/(x-1)^5$  ogf]  
A251086 4.14431 [  $-2*(256*x^7+280*x^6-4350*x^5+8669*x^4-5640*x^3-1181*x^2+2922*x-891)/(2*x-1)/(x+1)/(x-1)^5$  ogf]  
A251087 4.14702 [  $-(756*x^7+1962*x^6-17566*x^5+32161*x^4-18338*x^3-7604*x^2+12472*x-3593)/(2*x-1)/(x+1)/(x-1)^5$  ogf]  
A251091 5.92667 [  $-x*(x^{10}+x^9+9*x^8+8*x^7+22*x^6+6*x^5+22*x^4+8*x^3+9*x^2+x+1)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
A251094 7.29081 [  $-(24*x^3-76*x^2+75*x-41)/(3*x^4-10*x^3+11*x^2-7*x+1)$  ogf]  
A251106 4.59043 [  $-(10*x^6-41*x^5+65*x^4-91*x^3+87*x^2-38*x+37)/(x^2+1)/(x^5-5*x^4+8*x^3-7*x^2+5*x-1)$  ogf]  
A251122 7.49252 [  $-(12*x^4-20*x^3-14*x^2+44*x-21)/(x^2+x-1)/(x-1)^3$  ogf]  
A251123 7.09198 [  $(x^5-29*x^4+46*x^3+32*x^2-91*x+40)/(x^2+x-1)/(x-1)^3$  ogf]  
A251124 6.73714 [  $(3*x^5-59*x^4+87*x^3+65*x^2-171*x+72)/(x^2+x-1)/(x-1)^3$  ogf]  
A251125 6.61925 [  $(6*x^5-107*x^4+153*x^3+125*x^2-307*x+125)/(x^2+x-1)/(x-1)^3$  ogf]  
A251126 6.28543 [  $(10*x^5-183*x^4+255*x^3+230*x^2-533*x+212)/(x^2+x-1)/(x-1)^3$  ogf]  
A251127 6.40807 [  $(15*x^5-302*x^4+414*x^3+410*x^2-906*x+354)/(x^2+x-1)/(x-1)^3$  ogf]  
A251130 5.96117 [  $-(17*x^5-60*x^4+58*x^3+24*x^2-67*x+40)/(2*x-1)/(x+1)/(x-1)^4$  ogf]  
A251131 4.18604 [  $-(4*x^8+26*x^7-27*x^6-264*x^5+597*x^4-330*x^3-235*x^2+382*x-133)/(2*x-1)/(x+1)/(x-1)^5$  ogf]  
A251132 3.98212 [  $(2*x^9-5*x^8-114*x^7+62*x^6+1146*x^5-2514*x^4+1464*x^3+782*x^2-1212*x+369)/(2*x-1)/(x+1)/(x-1)^5$  ogf]  
A251133 4.03025 [  $(2*x^9+7*x^8-290*x^7-165*x^6+3770*x^5-7100*x^4+3590*x^3+2473*x^2-3250*x+919)/(2*x-1)/(x+1)/(x-1)^5$  ogf]  
A251134 3.78584 [  $(2*x^9+21*x^8-571*x^7-883*x^6+9606*x^5-16776*x^4+7381*x^3+7011*x^2-7988*x+2129)/(2*x-1)/(x+1)/(x-1)^5$  ogf]  
A251135 3.74947 [  $(2*x^9+39*x^8-1012*x^7-2915*x^6+22238*x^5-35970*x^4+12986*x^3+18201*x^2-18408*x+4699)/(2*x-1)/(x+1)/(x-1)^5$  ogf]  
A251136 3.56011 [  $(2*x^9+61*x^8-1661*x^7-7753*x^6+48222*x^5-73278*x^4+20853*x^3+43911*x^2-40650*x+10033)/(2*x-1)/(x+1)/(x-1)^5$  ogf]  
A251143 7.59513 [  $-(34*x^4+35*x^3-60*x^2-32*x+27)/(x-1)/(2*x-1)/(x+1)/(x^2+x-1)$  ogf]  
A251144 7.54867 [  $-(74*x^4+83*x^3-118*x^2-72*x+53)/(x-1)/(2*x-1)/(x+1)/(x^2+x-1)$  ogf]  
A251145 7.40806 [  $-(162*x^4+195*x^3-236*x^2-160*x+107)/(x-1)/(2*x-1)/(x+1)/(x^2+x-1)$  ogf]  
A251146 7.44351 [  $-(342*x^4+433*x^3-464*x^2-340*x+213)/(x-1)/(2*x-1)/(x+1)/(x^2+x-1)$  ogf]  
A251147 7.54984 [  $-(718*x^4+945*x^3-918*x^2-716*x+427)/(x-1)/(2*x-1)/(x+1)/(x^2+x-1)$  ogf]  
A251148 7.34684 [  $-(1486*x^4+2013*x^3-1812*x^2-1484*x+853)/(x-1)/(2*x-1)/(x+1)/(x^2+x-1)$  ogf]  
A251151 5.33522 [  $-(36*x^5-68*x^4-35*x^3+176*x^2-15*x-65)/$

$(4*x^6-8*x^5-3*x^4+20*x^3-4*x^2-7*x+1)$  ogf]  
A251194 8.39587 [  $-(4*x^3+6*x^2-5*x-10)/(x^4+x^3-2*x^2-2*x+1)$  ogf]  
A251195 6.33070 [  $(x^5-7*x^4-62*x^3-37*x^2+36*x+25)/(x^5+7*x^4+x^3-7*x^2-2*x+1)$  ogf]  
A251203 5.32151 [  $\{-a(n+3)+8*a(n+2)-12*a(n+1)-16*a(n), a(0) = 40, a(1) = 180, a(2) = 816\}$ , ogf]  
A251203 9.31265 [  $-4*(36*x^2+35*x-10)/(4*x-1)/(4*x^2+4*x-1)$  ogf]  
A251204 4.41049 [  $-2*(2430*x^5-2475*x^4-8130*x^3-1321*x^2+997*x-90)/(6*x-1)/(5*x^2+5*x-1)/(6*x^3-12*x^2-7*x+1)$  ogf]  
A251212 11.3402 [  $-(8*x^2-12*x-9)/(2*x^3-4*x^2-x+1)$  ogf]  
A251212 6.16749 [  $\{a(n+3)-a(n+2)-4*a(n+1)+2*a(n), a(0) = 9, a(1) = 21, a(2) = 49\}$ , ogf]  
A251212 6.76052 [  $(-16*x^4+48*x^3-2*x^2-56*x-21)/(-16*x^5+56*x^4-22*x^3-56*x^2+3*x+9)$  lgdogf]  
A251213 7.64949 [  $-(32*x^4+16*x^3-82*x^2+21)/(4*x^5-12*x^3+4*x^2+3*x-1)$  ogf]  
A251214 3.24200 [  $-(384*x^8-692*x^7-1592*x^6+1456*x^5+1424*x^4-694*x^3-457*x^2+93*x+49)/(24*x^9-56*x^8-84*x^7+146*x^6+68*x^5-85*x^4-20*x^3+17*x^2+2*x-1)$  ogf]  
A251221 10.2156 [  $-(4*x^2-7*x-14)/(x^3-2*x^2-3*x+1)$  ogf]  
A251221 5.46008 [  $\{a(n+3)-3*a(n+2)-2*a(n+1)+a(n), a(0) = 14, a(1) = 49, a(2) = 171\}$ , ogf]  
A251222 6.00906 [  $-(24*x^4-60*x^3-74*x^2+60*x+49)/(x-1)/(x+1)/(3*x^3-8*x^2-5*x+1)$  ogf]  
A251229 7.86945 [  $-2*(168*x^3+4*x^2-78*x+19)/(3*x-1)/(2*x-1)/(4*x^2+2*x-1)$  ogf]  
A251230 3.26614 [  $-2*(1200*x^8+1352*x^7-3268*x^6-1898*x^5+3524*x^4-93*x^3-1172*x^2+470*x-55)/(2*x-1)/(3*x-1)/(x-1)/(4*x^2+2*x-1)/(2*x^2+2*x-1)/(x^2+x-1)$  ogf]  
A251243 5.26565 [  $-9*(108*x^4+16*x^3-108*x^2+278*x-69)/(36*x^5+4*x^4-36*x^3+94*x^2-27*x+1)$  ogf]  
A251251 11.1881 [  $-2*(2*x^2-5*x-4)/(x^3-3*x^2-x+1)$  ogf]  
A251251 6.08477 [  $\{a(n+3)-a(n+2)-3*a(n+1)+a(n), a(0) = 8, a(1) = 18, a(2) = 38\}$ , ogf]  
A251251 6.93664 [  $(-(-2*x^4+10*x^3-5*x^2-20*x-9)/(-2*x^5+11*x^4-9*x^3-19*x^2+x+4))$  lgdogf]  
A251252 6.89760 [  $-2*(12*x^4+12*x^3-45*x^2+x+9)/(3*x^5+3*x^4-14*x^3+4*x^2+3*x-1)$  ogf]  
A251253 4.92556 [  $-2*(71*x^5+72*x^4-189*x^3-90*x^2+56*x+19)/(10*x^6+8*x^5-32*x^4-7*x^3+13*x^2+x-1)$  ogf]  
A251260 7.75338 [  $(x^3+x^2+2*x+1)/(x^2+1)/(x^2+x+1)/(x+1)^3/(x-1)^4$  ogf]  
A251262 7.44216 [  $-2*(8*x^3-19*x^2-8*x+13)/(2*x^4-5*x^3-2*x^2+5*x-1)$  ogf]  
A251269 6.68957 [  $-(16*x^4-70*x^3+119*x^2-96*x+35)/(2*x-1)/(x-1)^4$  ogf]  
A251270 3.75240 [  $-(32*x^7-238*x^6+769*x^5-1407*x^4+1589*x^3-1127*x^2+492*x-108)/(2*x-1)/(x-1)^7$  ogf]  
A251276 5.53781 [  $\{-a(n+2)+16*a(n+1)-26*a(n), a(0) = 230, a(1) = 3264\}$ , ogf]  
A251276 5.86744 [  $(-(-5408*x^2+5980*x-1632)/(-5408*x^3+6318*x^2-2048*x+115))$  lgdogf]  
A251276 9.66402 [  $-2*(208*x-115)/(26*x^2-16*x+1)$  ogf]  
A251277 5.15555 [  $-64*(1152*x^3+246*x^2-179*x+51)/(1152*x^4+228*x^3-182*x^2+54*x-1)$  ogf]  
A251285 8.53538 [  $-(4*x^3-10*x^2+4*x+9)/(x^4-3*x^3+2*x^2+2*x-1)$  ogf]  
A251286 6.20619 [  $-(x^5+51*x^4-36*x^3-77*x^2+27*x+22)/(7*x^5-7*x^4-9*x^3+7*x^2+2*x-1)$  ogf]  
A251293 4.69650 [  $\{-a(n+3)+10*a(n+2)-21*a(n+1)-20*a(n), a(0) = 84, a(1) = 444, a(2) = 2356\}$ , ogf]  
A251293 8.23590 [  $-4*(80*x^2+99*x-21)/(5*x-1)/(4*x^2+5*x-1)$  ogf]  
A251294 3.34834 [  $-4*(13440*x^6-9662*x^5-56458*x^4-14568*x^3+13299*x^2-2212*x+111)/(6*x-1)/(7*x-1)/(5*x^2+6*x-1)/(4*x^3-7*x^2-8*x+1)$  ogf]  
A251301 3.59687 [  $-(16*x^6-175*x^5+757*x^4-1616*x^3+1752*x^2-844*x+196)/(x^7-11*x^6+48*x^5-104*x^4+116*x^3-60*x^2+16*x-1)$  ogf]  
A251310 8.78891 [  $-(4*x^3-6*x^2+5*x-10)/(x^4-2*x^3+2*x^2-3*x+1)$  ogf]

A251311 5.62270 [  $-(15x^5-39x^4+84x^3-68x^2+46x-25)/(2x^6-6x^5+13x^4-13x^3+9x^2-5x+1)$  ogf]  
A251319 10.3835 [  $-2*(4x^2-4x-5)/(2x^3-3x^2-2x+1)$  ogf]  
A251319 5.59805 [  $\{-a(n+3)+2a(n+2)+3a(n+1)-2a(n), a(0) = 10, a(1) = 28, a(2) = 78\}$ , ogf]  
A251320 6.05797 [  $-2*(8x^4-2x^3-49x^2+16x+14)/(x^2-2x-1)/(2x^3+3x^2-5x+1)$  ogf]  
A251328 5.27034 [  $\{-a(n+3)+8a(n+2)-13a(n+1)-12a(n), a(0) = 39, a(1) = 171, a(2) = 753\}$ , ogf]  
A251328 9.22310 [  $-3*(36x^2+47x-13)/(4x-1)/(3x^2+4x-1)$  ogf]  
A251329 4.34642 [  $-(1944x^5-846x^4-9033x^3-4081x^2+1963x-171)/(6x-1)/(x+1)/(3x^2-8x+1)/(4x^2+5x-1)$  ogf]  
A251336 4.74517 [  $\{-a(n+3)+10a(n+2)-20a(n+1)-25a(n), a(0) = 85, a(1) = 455, a(2) = 2450\}$ , ogf]  
A251336 8.32125 [  $-5*(80x^2+79x-17)/(5x-1)/(5x^2+5x-1)$  ogf]  
A251337 3.28585 [  $-(112896x^6-131964x^5-354270x^4-12684x^3+49869x^2-8970x+455)/(6x-1)/(7x-1)/(6x^2+6x-1)/(7x^3-14x^2-8x+1)$  ogf]  
A251344 4.92390 [  $\{-a(n+3)+6a(n+2)+3a(n+1)-12a(n), a(0) = 51, a(1) = 309, a(2) = 1899\}$ , ogf]  
A251344 9.01452 [  $-3*(36x^2-x-17)/(12x^3-3x^2-6x+1)$  ogf]  
A251366 11.4534 [  $-(63x+79)/(7x^2+8x-1)$  ogf]  
A251366 6.33306 [  $\{a(n+2)-8a(n+1)-7a(n), a(0) = 79, a(1) = 695\}$ , ogf]  
A251366 6.81405 [  $-(-441x^2-1106x-695)/(-441x^3-1057x^2-569x+79)$  lgdogf]  
A251367 4.02143 [  $\{-a(n+3)+24a(n+2)+49a(n+1)-34a(n), a(0) = 695, a(1) = 17969, a(2) = 464393\}$ , ogf]  
A251367 7.13662 [  $-(918x^2-1289x-695)/(34x^3-49x^2-24x+1)$  ogf]  
A251368 3.77706 [  $-(298890x^4-505071x^3+47269x^2+60935x+6113)/(3690x^5-6281x^4+660x^3+746x^2+66x-1)$  ogf]  
A251374 6.18155 [  $-4*(96x^3-246x^2-48x+31)/(24x^4-66x^3-3x^2+10x-1)$  ogf]  
A251383 4.92342 [  $\{-a(n+3)+8a(n+2)+a(n+1)-6a(n), a(0) = 71, a(1) = 571, a(2) = 4585\}$ , ogf]  
A251383 9.22165 [  $-(54x^2-3x-71)/(6x^3-x^2-8x+1)$  ogf]  
A251384 4.29980 [  $-(864x^5-1912x^4-1846x^3+3127x^2+676x-571)/(32x^6-72x^5-66x^4+119x^3+21x^2-23x+1)$  ogf]  
A251403 5.70884 [  $-2*(54x^4-222x^3-106x^2+73x+23)/(12x^5-52x^4-14x^3+21x^2+2x-1)$  ogf]  
A251418 8.67296 [  $(3x^8-3x^7-x^2-2x+2)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A251420 9.17378 [  $-(3x^4+x^3+5x^2-2x+2)/(x-1)/(x+1)/(x^2-x+1)$  ogf]  
A251421 11.5759 [  $-2*(8x^2-4x-1)/(2x-1)/(2x^2-1)$  ogf]  
A251421 6.29565 [  $\{a(n+3)-2a(n+2)-2a(n+1)+4a(n), a(0) = 2, a(1) = 12, a(2) = 12\}$ , ogf]  
A251421 6.90100 [  $-(-32x^4+32x^3-12x^2+12x-6)/(-32x^5+32x^4+12x^3-18x^2+2x+1)$  lgdogf]  
A251429 4.18226 [  $-(x^{10}-x^9-27x^8-55x^7-98x^6-114x^5-125x^4-97x^3-75x^2-29x-12)/(x+1)/(x^2+1)/(x^2+x+1)^2/(x-1)^4$  ogf]  
A251444 4.72126 [  $-(36x^5+57x^4-35x^3-107x^2+5x+45)/(x-1)/(4x^5+9x^4+3x^3-8x^2-4x+1)$  ogf]  
A251452 3.74815 [  $-2*(3456x^6+8880x^5+1694x^4-3379x^3-792x^2+314x+57)/(432x^7+1092x^6+76x^5-470x^4-46x^3+55x^2+2x-1)$  ogf]  
A251484 5.59866 [  $\{-a(n+2)+16a(n+1)-20a(n), a(0) = 236, a(1) = 3456\}$ , ogf]  
A251484 6.07660 [  $-(-1600x^2+2360x-864)/(-1600x^3+2460x^2-1024x+59)$  lgdogf]  
A251484 9.77022 [  $-4*(80x-59)/(20x^2-16x+1)$  ogf]  
A251492 6.11230 [  $-2*(384x^3-368x^2-74x+93)/(48x^4-52x^3-5x^2+13x-1)$  ogf]  
A251500 5.53781 [  $-2*(192x^3+156x^2-156x-113)/(24x^4+18x^3-21x^2-13x+1)$  ogf]  
A251517 4.09510 [  $\{-a(n+3)+15a(n+2)+8a(n+1)-20a(n), a(0) = 246, a(1) = 3798, a(2) = 58618\}$ , ogf]  
A251517 7.29996 [  $-2*(160x^2-54x-123)/(20x^3-8x^2-15x+1)$  ogf]  
A251537 5.11450 [  $(x+1)*(3x^{10}+5x^9+3x^8+3x^7+5x^6+3x^5+5x^4+3x^3+5x^2+3x+5)/$

$(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A251538 6.16476 [  
 $(2*x^{11}+4*x^{10}+4*x^9+3*x^8+4*x^7+4*x^6+4*x^5+4*x^4+4*x^3+4*x^2+4*x+2)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A251568 11.3361 [ $4/(1-4*x)^{(1/2)}/(1+(1-4*x)^{(1/2)})^2$  lgdegf]  
A251599 8.16616 [ $-(x^2+1)*(x^4-x^3+x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A251601 4.87593 [ $\{-a(n+3)+35*a(n+2)-35*a(n+1)+a(n), a(0) = 0, a(1) = 13, a(2) = 450\}$ , ogf]  
A251601 6.01711 [ $-(10*x^3-214*x^2+910*x-450)/(5*x^4-188*x^3+630*x^2-460*x+13)$  lgdogf]  
A251601 9.42680 [ $x*(5*x-13)/(x-1)/(x^2-34*x+1)$  ogf]  
A251602 10.3147 [ $-(7*x^2-16*x+1)/(x-1)/(x^2-34*x+1)$  ogf]  
A251602 5.64221 [ $\{-a(n+3)+35*a(n+2)-35*a(n+1)+a(n), a(0) = 1, a(1) = 19, a(2) = 637\}$ , ogf]  
A251602 6.11239 [ $(-(-7*x^4+32*x^3-318*x^2+56*x-19)/(-7*x^5+261*x^4-806*x^3+602*x^2-51*x+1)$  lgdogf]  
A251610 8.82543 [ $(x^4+2*x^3-2*x^2+2*x+1)/(x-1)^2/(x^2+1)^2$  ogf]  
A251619 5.19674 [ $(x^{25}-x^{24}+x^{23}-x^{22}+x^{19}-x^{18}+x^{13}-x^{12}+x^{10}-x^8+x^7-x^5+x^3-x-2)/(x-1)$  ogf]  
A251624 4.20527 [ $\{-a(n+3)+2703*a(n+2)-2703*a(n+1)+a(n), a(0) = 278, a(1) = 752958, a(2) = 2034494038\}$ , ogf]  
A251624 7.82647 [ $2*(x^2-762*x-139)/(x-1)/(x^2-2702*x+1)$  ogf]  
A251625 4.22741 [ $\{-a(n+3)+2703*a(n+2)-2703*a(n+1)+a(n), a(0) = 483, a(1) = 1304163, a(2) = 3523847043\}$ , ogf]  
A251625 7.92639 [ $-3*(x^2-462*x+161)/(x-1)/(x^2-2702*x+1)$  ogf]  
A251648 3.31365 [  
 $-2*(416*x^{10}-1040*x^9-942*x^8-764*x^7+14670*x^6-15713*x^5-14050*x^4+16876*x^3+1053*x^2-132*x-624)/(x-1)/(x+1)/(x^2-3*x+1)/(26*x^3-1)$  ogf]  
A251653 5.40191 [ $x^2*(x^2+x-1)/(x^5+x^4+x^3+x^2+x-1)$  ogf]  
A251654 11.3570 [ $x*(2*x^2-1)/(x^4+x^3+x^2+x-1)$  ogf]  
A251655 11.9083 [ $x*(x-1)*(x+1)/(x^4+x^3+x^2+x-1)$  ogf]  
A251655 8.41348 [ $(-(-2*x^5-x^4+4*x^3+4*x^2+1)/(-x^6-x^5+2*x^2+x-1)$  lgdogf]  
A251656 10.6986 [ $(2*x^3+x-1)/(x^4+x^3+x^2+x-1)$  ogf]  
A251672 7.70648 [ $x^6*(x-1)/(x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A251672 7.78354 [ $(-(-7*x^8+2*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x)/(-x^9+2*x-1)$  lgdogf]  
A251687 8.32340 [ $(x+1)*(4*x^3+1)*(4*x^4-3*x^2+1)/(2*x^2-1)^2$  ogf]  
A251688 7.01521 [ $(x+1)*(4*x^2+1)*(9*x^2+1)*(36*x^3+1)/(6*x^2-1)^2$  ogf]  
A251689 8.49458 [ $(4*x+1)*(x+1)*(x^2+1)*(x^2-x+1)*(4*x^2+1)/(2*x^2-1)^2$  ogf]  
A251701 7.31143 [ $(-(-12*x^4-18*x^3-4*x^2+14*x-4)/(-12*x^5+19*x^4-14*x^3+12*x^2-6*x+1)$  lgdogf]  
A251701 9.53262 [ $(-4*x^3-x^2+2*x-1)/(3*x-1)/(x-1)^3$  ogf]  
A251703 9.96514 [ $(2*x^3+2*x^2-1)/(x^4+x^3+x^2+x-1)$  ogf]  
A251704 10.3578 [ $(x+1)*(x^2+x-1)/(x^4+x^3+x^2+x-1)$  ogf]  
A251705 10.3578 [ $(3*x^3+x^2-1)/(x^4+x^3+x^2+x-1)$  ogf]  
A251706 9.35286 [ $x^4*(x-1)/(x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A251706 9.46420 [ $(-(-5*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x)/(-x^7+2*x-1)$  lgdogf]  
A251707 8.54831 [ $x^3*(x^2+x-1)/(x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A251708 7.83494 [ $x^2*(x^3+x^2+x-1)/(x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A251709 7.46669 [ $x*(x^4+x^3+x^2+x-1)/(x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A251710 8.64705 [ $x^5*(x-1)/(x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A251710 8.74104 [ $(-(-6*x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+2*x)/(-x^8+2*x-1)$  lgdogf]  
A251711 7.96214 [ $x^4*(x^2+x-1)/(x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A251712 7.37776 [ $x^3*(x^3+x^2+x-1)/(x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A251713 6.87330 [ $x^2*(x^4+x^3+x^2+x-1)/(x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A251714 6.55462 [ $x*(x^5+x^4+x^3+x^2+x-1)/(x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A251730 11.6131 [ $-2*(x+5)/(x-1)/(x^2-14*x+1)$  ogf]  
A251730 5.41944 [ $\{a(n+3)-15*a(n+2)+15*a(n+1)-a(n), a(0) = 10, a(1) = 152, a(2) = 2130\}$ , ogf]  
A251730 8.33760 [ $(-(-2*x^3+150*x-76)/(-x^4+10*x^3+60*x^2-74*x+5)$  lgdogf]

A251732 10.5649 [  $-( -27x^2 - 18x + 3 ) / ( -27x^3 + 9x^2 + 9x + 1 )$  lgdogf ]  
A251732 15.7300 [  $-( 3x + 1 ) / ( 9x^2 - 6x - 1 )$  ogf ]  
A251732 8.63229 [  $\{ a(n+2) + 6a(n+1) - 9a(n), a(0) = 1, a(1) = -3 \}$ , ogf ]  
A251733 14.1936 [  $-( 18x - 6 ) / ( 9x^2 - 6x - 1 )$  lgdogf ]  
A251733 18.7969 [  $-3x / ( 9x^2 - 6x - 1 )$  ogf ]  
A251733 8.58622 [  $\{ a(n+2) + 6a(n+1) - 9a(n), a(0) = 0, a(1) = 3 \}$ , ogf ]  
A251740 7.14086 [  $x^5 (x^2 + x - 1) / (x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251741 6.55801 [  $x^4 (x^3 + x^2 + x - 1) / (x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251742 6.13830 [  $x^3 (x^4 + x^3 + x^2 + x - 1) / (x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251743 16.3571 [  $( 8x - 3 ) / ( x - 1 ) / ( 2x - 1 ) / ( 4x - 1 )$  ogf ]  
A251743 7.68074 [  $\{ a(n+3) - 7a(n+2) + 14a(n+1) - 8a(n), a(0) = 3, a(1) = 13, a(2) = 49 \}$ , ogf ]  
A251743 9.70643 [  $-( 128x^3 - 184x^2 + 84x - 13 ) / ( 64x^4 - 136x^3 + 98x^2 - 29x + 3 )$  lgdogf ]  
A251744 5.76908 [  $x^2 (x^5 + x^4 + x^3 + x^2 + x - 1) / (x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251745 5.85497 [  $x (x^6 + x^5 + x^4 + x^3 + x^2 + x - 1) / (x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251746 7.22272 [  $x^7 (x - 1) / (x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251747 6.72886 [  $x^6 (x^2 + x - 1) / (x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251748 6.29822 [  $x^5 (x^3 + x^2 + x - 1) / (x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251749 5.89145 [  $x^4 (x^4 + x^3 + x^2 + x - 1) / (x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251750 5.50451 [  $x^3 (x^5 + x^4 + x^3 + x^2 + x - 1) / (x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251751 5.20897 [  $x^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x - 1) / (x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251752 4.99997 [  $x (x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1) / (x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251754 9.63763 [  $-( 9x^8 + 8x^7 + 3x^6 + 6x^5 + 2x^4 + 3x^3 + 3x^2 + 5x + 3 ) / ( x - 1 ) / (x^2 + x + 1) / (x^6 + x^3 + 1)$  ogf ]  
A251755 9.76871 [  $-x ( 9x^8 + 9x^7 + 2x^6 + 6x^5 + 3x^4 + 2x^3 + 3x^2 + 6x + 2 ) / ( x - 1 ) / (x^2 + x + 1) / (x^6 + x^3 + 1)$  ogf ]  
A251759 6.74681 [  $x^8 (x - 1) / (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251760 6.31844 [  $x^7 (x^2 + x - 1) / (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251761 5.94122 [  $x^6 (x^3 + x^2 + x - 1) / (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251762 5.60651 [  $x^5 (x^4 + x^3 + x^2 + x - 1) / (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251763 5.28257 [  $x^4 (x^5 + x^4 + x^3 + x^2 + x - 1) / (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251764 4.96779 [  $x^3 (x^6 + x^5 + x^4 + x^3 + x^2 + x - 1) / (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251765 4.72838 [  $x^2 (x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1) / (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251766 4.55116 [  $x (x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1) / (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf ]  
A251769 6.23833 [  $(x^4 + 6x^3 - 776x^2 - 222x - 17) / (x - 1) / (x^2 + 38x + 1) / (x^2 - 38x + 1)$  ogf ]  
A251770 5.86278 [  $-9 (x^3 + 117x^2 + 39x + 3) / (x - 1) / (x^2 + 38x + 1) / (x^2 - 38x + 1)$  ogf ]  
A251772 3.50622 [  $-2 ( 4788x^9 - 2592x^8 - 864x^7 + 4323x^6 - 2610x^5 - 1620x^4 - 2566x^3 + 630x^2 + 336x + 235 ) / ( x - 1 ) / ( 4x^3 - 1 ) / ( 9x^6 + 12x^3 - 1 )$  ogf ]  
A251780 10.5710 [  $-( 9x^8 + 6x^7 + 4x^6 + 6x^5 + 6x^4 + 7x^3 + 3x^2 + 6x + 1 ) / ( x - 1 ) / (x^2 + x + 1) / (x^6 + x^3 + 1)$  ogf ]  
A251793 6.86118 [  $-2x ( 3x^3 + 11x^2 + 33x + 1 ) / ( x - 1 ) / (x^2 - 10x + 1) / (x^2 + 10x + 1)$  ogf ]  
A251861 13.4603 [  $-( 2028x^2 - 52x - 26 ) / ( 676x^3 - 26x^2 - 26x + 1 )$  lgdogf ]  
A251861 19.2666 [  $650x / ( 26x - 1 ) / ( 26x^2 - 1 )$  ogf ]  
A251861 8.12065 [  $\{ -a(n+3) + 26a(n+2) + 26a(n+1) - 676a(n), a(0) = 0, a(1) = 650, a(2) = 16900 \}$ , ogf ]

A251863 5.83843 [  $(x^4+25x^3-647x^2-145x-2)/(x-1)/(x^2-34x+1)/(x^2+34x+1)$  ogf ]  
A251864 6.35385 [  $-(35x^3+717x^2+205x+3)/(x-1)/(x^2-34x+1)/(x^2+34x+1)$  ogf ]  
A251867 10.9079 [  $-2x(x+7)/(x-1)/(x^2-34x+1)$  ogf ]  
A251867 5.64200 [  $\{a(n+3)-35a(n+2)+35a(n+1)-a(n), a(0) = 0, a(1) = 14, a(2) = 492\}$ , ogf ]  
A251867 7.27191 [  $-(-2x^3+14x^2+490x-246)/(-x^4+28x^3+210x^2-244x+7)$  lgdogf ]  
A251889 4.05134 [  $2*(484x^{11}-220x^{10}+28x^9+303x^8+3427x^7-4875x^6-326x^5-2275x^4+3729x^3+23x^2+339x-640)/(x-1)/(2x^3-1)/(4x^3-1)$  ogf ]  
A251890 5.20636 [  $2*(288x^8+96x^7-161x^6-145x^5+1821x^4-2291x^3+124x^2-375x+640)/(4x^3-1)/(x-1)$  ogf ]  
A251893 4.75732 [  $2*(4608x^8-3264x^7-326x^6-2178x^5+7492x^4-7578x^3+648x^2-482x+1073)/(2x-1)/(x-1)/(4x^2+2x+1)$  ogf ]  
A251895 6.48805 [  $2x*(x^3+87x^2-169x-15)/(x-1)/(x^2-34x+1)/(x^2+34x+1)$  ogf ]  
A251896 6.37472 [  $-(3x^4+246x^3-676x^2+42x+1)/(x-1)/(x^2-34x+1)/(x^2+34x+1)$  ogf ]  
A251914 10.2906 [  $2x*(x-49)/(x-1)/(x^2-98x+1)$  ogf ]  
A251914 5.27722 [  $\{a(n+3)-99a(n+2)+99a(n+1)-a(n), a(0) = 0, a(1) = 98, a(2) = 9700\}$ , ogf ]  
A251914 6.36531 [  $-(-2x^3+246x^2-9702x+4850)/(-x^4+148x^3-4950x^2+4852x-49)$  lgdogf ]  
A251924 11.1440 [  $2x*(x-17)/(x-1)/(x^2-34x+1)$  ogf ]  
A251924 5.71485 [  $\{-a(n+3)+35a(n+2)-35a(n+1)+a(n), a(0) = 0, a(1) = 34, a(2) = 1188\}$ , ogf ]  
A251924 7.26780 [  $-(2x^3-86x^2+1190x-594)/(x^4-52x^3+630x^2-596x+17)$  lgdogf ]  
A251927 5.93981 [  $2x*(x^5+4x^4+34x^3-721x^2-34x-4)/(x-1)/(x^6-1442x^3+1)$  ogf ]  
A251928 9.24536 [  $-(8x^3-8x^2+10x-5)/(2x-1)/(2x^3-2x^2+2x-1)$  ogf ]  
A251936 7.87628 [  $-(x^4-5x^3+5x^2-7x+10)/(x-1)^5$  ogf ]  
A251936 8.04386 [  $-(x^4-6x^3-18x+43)/(x^5-6x^4+10x^3-12x^2+17x-10)$  lgdogf ]  
A251937 3.94504 [  $-(x^{10}-3x^9+26x^8+78x^7+121x^6+72x^5-38x^4-128x^3-122x^2-61x-18)/(x+1)/(x^2+x+1)^2/(x-1)^6$  ogf ]  
A251963 11.1889 [  $2x*(x-7)/(x-1)/(x^2-14x+1)$  ogf ]  
A251963 5.78734 [  $\{-a(n+3)+15a(n+2)-15a(n+1)+a(n), a(0) = 0, a(1) = 14, a(2) = 208\}$ , ogf ]  
A251963 7.45924 [  $-(2x^3-36x^2+210x-104)/(x^4-22x^3+120x^2-106x+7)$  lgdogf ]  
A251990 4.52401 [  $\{-a(n+3)+195a(n+2)-195a(n+1)+a(n), a(0) = 52, a(1) = 10136, a(2) = 1966380\}$ , ogf ]  
A251990 5.92319 [  $-(-2x^3+234x^2-5070x+2534)/(-x^4+208x^3-2730x^2+2536x-13)$  lgdogf ]  
A251990 9.90602 [  $4*(x-13)/(x-1)/(x^2-194x+1)$  ogf ]  
A251991 4.52401 [  $\{a(n+3)-195a(n+2)+195a(n+1)-a(n), a(0) = 60, a(1) = 11704, a(2) = 2270580\}$ , ogf ]  
A251991 5.92319 [  $-(-2x^3+150x^2+5850x-2926)/(-x^4+180x^3+2730x^2-2924x+15)$  lgdogf ]  
A251991 9.90602 [  $-4*(x+15)/(x-1)/(x^2-194x+1)$  ogf ]  
A252003 10.0198 [  $8*(5x-29)/(x-1)/(x^2-1154x+1)$  ogf ]  
A252003 4.67089 [  $\{-a(n+3)+1155a(n+2)-1155a(n+1)+a(n), a(0) = 232, a(1) = 267920, a(2) = 309179640\}$ , ogf ]  
A252004 3.87630 [  $\{a(n+3)-1155a(n+2)+1155a(n+1)-a(n), a(0) = 328, a(1) = 378896, a(2) = 437246040\}$ , ogf ]  
A252004 8.31529 [  $-8*(7x+41)/(x-1)/(x^2-1154x+1)$  ogf ]  
A252011 4.21754 [  $-2*(32x^{11}+96x^{10}-96x^9-96x^8-208x^7+96x^6-3584x^5-798x^4+5650x^3-84x^2-192x-809)/(2x-1)/(x-1)/(4x^2+2x+1)$  ogf ]

A252069 3.60416 [ $(4x^{10}+39x^9-6x^8-77x^7-160x^6-55x^5+163x^4+275x^3-10x^2+58x-105)/(x-1)/(x^8+2x^7+2x^6-x^5-5x^4-6x^3-2x^2-x+1)$  ogf]  
A252076 4.48887 [ $\{-a(n+3)+1443a(n+2)-1443a(n+1)+a(n), a(0) = 0, a(1) = 486, a(2) = 701100\}$ , ogf]  
A252076 8.30776 [ $18x(11x-27)/(x-1)/(x^2-1442x+1)$  ogf]  
A252077 4.47679 [ $\{-a(n+3)+1443a(n+2)-1443a(n+1)+a(n), a(0) = 1, a(1) = 769, a(2) = 1108537\}$ , ogf]  
A252077 7.94472 [ $-(313x^2-674x+1)/(x-1)/(x^2-1442x+1)$  ogf]  
A252108 4.13909 [ $(32x^{12}+64x^{11}+624x^{10}+1480x^9+3536x^8+9316x^7+13108x^6-3556x^5-7920x^4-10990x^3+724x^2+1424x+1929)/(2x^3-1)/(4x^3-1)$  ogf]  
A252109 4.77575 [ $2(484x^{10}+264x^9+292x^8+1091x^7+5182x^6-845x^5-1543x^4-4316x^3+277x^2+362x+784)/(2x^3-1)/(4x^3-1)$  ogf]  
A252110 6.32549 [ $2(288x^7+384x^6+223x^5+190x^4+2543x^3-388x^2-292x-800)/(4x^3-1)$  ogf]  
A252111 4.08294 [ $2(2304x^{10}+1152x^9+3308x^8-512x^7+24288x^6-4513x^5-1980x^4-10326x^3+629x^2+312x+942)/(2x-1)/(4x^3-1)/(4x^2+2x+1)$  ogf]  
A252112 4.18020 [ $2(7704x^{10}+2160x^9+2624x^8-4507x^7+25866x^6-4887x^5-1693x^4-11019x^3+817x^2+394x+1029)/(2x-1)/(4x^3-1)/(4x^2+2x+1)$  ogf]  
A252113 5.67539 [ $4(2304x^7+672x^6+509x^5-580x^4+3814x^3-619x^2-295x-617)/(2x-1)/(4x^2+2x+1)$  ogf]  
A252115 5.55739 [ $(x^4+26x^3-45652x^2-26378x-573)/(x-1)/(x^2-322x+1)/(x^2+322x+1)$  ogf]  
A252116 4.73213 [ $-(2x^4+57x^3-77605x^2+58983x+1283)/(x-1)/(x^2-322x+1)/(x^2+322x+1)$  ogf]  
A252133 3.54475 [ $(4x^{10}+64x^9+13x^8-75x^7-225x^6-143x^5+124x^4+371x^3+15x^2+112x-134)/(x-1)/(x^8+2x^7+2x^6-x^5-5x^4-6x^3-2x^2-x+1)$  ogf]  
A252178 7.41297 [ $-(x^4-6x^3+6x^2-30x+49)/(x^5-6x^4+12x^3-18x^2+23x-12)$  lgdogf]  
A252178 7.79508 [ $-(x^4-5x^3+7x^2-11x+12)/(x-1)^5$  ogf]  
A252179 5.05318 [ $-(x^8-3x^7-3x^6+13x^5+41x^4+9x^3-15x^2-47x-12)/(x+1)^3/(x-1)^6$  ogf]  
A252221 4.34547 [ $2(16x^9+32x^8+130x^7-119x^6-98x^5-333x^4-21x^3+152x^2-44x+114)/(x-1)/(2x^6+2x^5+4x^4+x^3+x-1)$  ogf]  
A252222 4.16260 [ $2(3x^8+115x^7+127x^6-337x^5-1019x^4-775x^3+175x^2-38x+184)/(x^3-2x^2+x-1)/(x^3+3x^2+2x-1)$  ogf]  
A252223 4.10801 [ $2(147x^7-519x^6-1188x^5-1519x^4-1568x^3+590x^2+315x+406)/(x^3-2x^2+x-1)/(x^3+3x^2+2x-1)$  ogf]  
A252224 4.19377 [ $2(1072x^7+652x^6-3717x^5-8440x^4-6532x^3+1601x^2+1699x+721)/(x^3-2x^2+x-1)/(x^3+3x^2+2x-1)$  ogf]  
A252225 3.92946 [ $2(4720x^7+7145x^6-11816x^5-34933x^4-22954x^3+4758x^2+7441x+1229)/(x^3-2x^2+x-1)/(x^3+3x^2+2x-1)$  ogf]  
A252226 4.00063 [ $2(13776x^7+18124x^6-37304x^5-96634x^4-62435x^3+12570x^2+28035x+2369)/(x^3-2x^2+x-1)/(x^3+3x^2+2x-1)$  ogf]  
A252227 3.79097 [ $2(39568x^7+41864x^6-117704x^5-266116x^4-172885x^3+34482x^2+95029x+4961)/(x^3-2x^2+x-1)/(x^3+3x^2+2x-1)$  ogf]  
A252236 5.16434 [ $2(16x^7+512x^6-2384x^5-1034x^4-724x^3+1087x^2+429x+171)/(16x^3-1)/(2x^3-1)$  ogf]  
A252239 4.57846 [ $4(16384x^6-338688x^5-48384x^4-11072x^3+82971x^2+10962x+1177)/(256x^3-1)/(4x^3-1)$  ogf]  
A252242 3.85565 [

$8*(4194304*x^6-65482752*x^5-2691072*x^4-635904*x^3+8159283*x^2+321054*x+9353)/(16*x-1)/(2*x-1)/(4*x^2+2*x+1)/(256*x^2+16*x+1)$  ogf]  
A252249 5.49488 [  
 $(26*x^8+48*x^7-272*x^6-72*x^5-138*x^4+816*x^3+11*x^2+36*x-278)/(x-1)/(x^6-3*x^3+1)$  ogf]  
A252250 5.45535 [  
 $(34*x^8+96*x^7-346*x^6-96*x^5-282*x^4+1038*x^3+19*x^2+84*x-352)/(x-1)/(x^6-3*x^3+1)$  ogf]  
A252251 5.34009 [  
 $(38*x^8+173*x^7-457*x^6-108*x^5-513*x^4+1371*x^3+23*x^2+161*x-463)/(x-1)/(x^6-3*x^3+1)$  ogf]  
A252252 5.34009 [  
 $(56*x^8+269*x^7-610*x^6-162*x^5-801*x^4+1830*x^3+41*x^2+257*x-616)/(x-1)/(x^6-3*x^3+1)$  ogf]  
A252253 5.32800 [  
 $(86*x^8+422*x^7-841*x^6-252*x^5-1260*x^4+2523*x^3+71*x^2+410*x-847)/(x-1)/(x^6-3*x^3+1)$  ogf]  
A252258 3.93663 [  
 $(176*x^{11}+736*x^{10}+1360*x^9+4100*x^8+2376*x^7-11344*x^6-2936*x^5-1948*x^4+8036*x^3+454*x^2+315*x-1331)/(x-1)/(2*x^3-1)/(4*x^3-1)$  ogf]  
A252259 4.05482 [  
 $(968*x^{11}-440*x^{10}+376*x^9-34*x^8+4654*x^7-7470*x^6-172*x^5-2900*x^4+5608*x^3-34*x^2+403*x-965)/(x-1)/(2*x^3-1)/(4*x^3-1)$  ogf]  
A252262 5.39087 [  
 $(16*x^7+122*x^6+148*x^5+58*x^4-31*x^3-128*x^2-27*x-103)/(2*x^6+4*x^5+4*x^4+3*x^3+x-1)$  ogf]  
A252263 4.05007 [  
 $2*(7*x^8-16*x^7-52*x^6-79*x^5-26*x^4+72*x^3+145*x^2+71*x+65)/(x^8+2*x^7+2*x^6-x^5-5*x^4-6*x^3-2*x^2-x+1)$  ogf]  
A252271 4.20899 [-  
 $(2*x^{11}-40*x^{10}-180*x^9+188*x^8+306*x^7+770*x^6-540*x^5-575*x^4-914*x^3+232*x^2+185*x+206)/(x-1)/(x^2+x+1)/(2*x^6-5*x^3+1)$  ogf]  
A252284 26.8793 [-(x+1)^2 lgdegf]  
A252284 4.37570 [{(n^2+5\*n+6)\*a(n+1)+(2\*n+6)\*a(n+2)+a(n+4)+a(n+3), a(0) = 1, a(1) = -1, a(2) = -1, a(3) = 3}, ogf]  
A252336 5.86547 [-2\*(4\*x^6+34\*x^5+66\*x^4+74\*x^3+63\*x^2+28\*x+26)/(2\*x^6+4\*x^5+4\*x^4+3\*x^3+x-1) ogf]  
A252337 4.07492 [  
 $-2*(2*x^8+31*x^7+68*x^6+73*x^5-10*x^4-124*x^3-163*x^2-80*x-54)/(x^8+2*x^7+2*x^6-x^5-5*x^4-6*x^3-2*x^2-x+1)$  ogf]  
A252359 4.31488 [{-a(n+3)+483\*a(n+2)-483\*a(n+1)+a(n), a(0) = 158, a(1) = 76252, a(2) = 36753402}, ogf]  
A252359 9.27700 [2\*(31\*x-79)/(x-1)/(x^2-482\*x+1) ogf]  
A252360 4.33904 [{-a(n+3)+483\*a(n+2)-483\*a(n+1)+a(n), a(0) = 289, a(1) = 139217, a(2) = 67102225}, ogf]  
A252360 8.17500 [- (x^2-370\*x+289)/(x-1)/(x^2-482\*x+1) ogf]  
A252362 5.37475 [2\*(16\*x^7+102\*x^6+134\*x^5+76\*x^4+7\*x^3-65\*x^2-11\*x-65)/(2\*x^6+4\*x^5+4\*x^4+3\*x^3+x-1) ogf]  
A252363 4.11969 [2\*(16\*x^8-x^7-36\*x^6-85\*x^5-62\*x^4+20\*x^3+127\*x^2+62\*x+76)/(x^8+2\*x^7+2\*x^6-x^5-5\*x^4-6\*x^3-2\*x^2-x+1) ogf]  
A252379 4.55596 [  
 $(38*x^{11}+132*x^{10}+934*x^9-599*x^8-933*x^7-4086*x^6+1544*x^5+1789*x^4+4820*x^3-632*x^2-647*x-1359)/(x-1)/(x^2+x+1)/(x^6-3*x^3+1)$  ogf]  
A252380 4.36100 [  
 $(14*x^{11}+189*x^{10}+1458*x^9-534*x^8-1211*x^7-6249*x^6+1555*x^5+2168*x^4+7120*x^3-663*x^2-771*x-1966)/(x-1)/(x^2+x+1)/(x^6-3*x^3+1)$  ogf]  
A252381 4.45981 [  
 $(6*x^{11}+256*x^{10}+2288*x^9-710*x^8-1646*x^7-9747*x^6+2185*x^5+2963*x^4+10989*x^3-963*x^2-1067*x-3020)/(x-1)/(x^2+x+1)/(x^6-3*x^3+1)$  ogf]  
A252382 4.30965 [  
 $(8*x^{11}+344*x^{10}+3705*x^9-975*x^8-2244*x^7-15606*x^6+3008*x^5+4090*x^4+17253*x^3-1341*x^2-1496*x-4682)/(x-1)/(x^2+x+1)/(x^6-3*x^3+1)$  ogf]  
A252383 4.32040 [  
 $(14*x^{11}+493*x^{10}+5846*x^9-1204*x^8-3073*x^7-24411*x^6+3671*x^5+5402*x^4+26556*x$



$(14*x^{11}+493*x^{10}+5846*x^9-1204*x^8-3073*x^7-24411*x^6+3671*x^5+5402*x^4+26556*x^3-1610*x^2-1928*x-7109)/(x-1)/(x^2+x+1)/(x^6-3*x^3+1)$  ogf]  
A252389 4.03443 [  $(2*x^{13}-x^{12}+x^{11}+86*x^{10}+427*x^9-411*x^8-608*x^7-1786*x^6+1302*x^5+1243*x^4+2224*x^3-799*x^2-637*x-785)/(x-1)/(x^2+x+1)/(x^6-3*x^3+1)$  ogf]  
A252424 11.9521 [  $-18*(5*x^4+4*x^3+2*x^2+2*x+1)/(2*x^2-1)$  ogf]  
A252424 7.27518 [  $\{a(n+5)-2*a(n+3), a(0) = 18, a(1) = 36, a(2) = 72, a(3) = 144, a(4) = 234\}$ , ogf]  
A252424 8.36646 [  $-(-20*x^5-8*x^4+20*x^3+16*x^2+8*x+2)/(10*x^6+8*x^5-x^4-2*x-1)$  lgdogf]  
A252480 7.18419 [  $-(9*x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-100)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A252526 5.36304 [  $(144*x^9+224*x^8+952*x^7+4628*x^6-1040*x^5-1346*x^4-3954*x^3+334*x^2+337*x+730)/(2*x^3-1)/(4*x^3-1)$  ogf]  
A252527 6.27591 [  $(288*x^7+3640*x^6-1048*x^5-932*x^4-3116*x^3+466*x^2+341*x+621)/(2*x^3-1)/(4*x^3-1)$  ogf]  
A252528 5.60273 [  $\{a(n+5)-4*a(n+2), a(0) = 719, a(1) = 462, a(2) = 626, a(3) = 790, a(4) = 1676\}$ , ogf]  
A252528 8.77270 [  $(172*x^4+2086*x^3-626*x^2-462*x-719)/(4*x^3-1)$  ogf]  
A252529 5.38529 [  $2*(152*x^7+8256*x^6-3152*x^5-2026*x^4-3872*x^3+560*x^2+353*x+389)/(2*x-1)/(4*x^3-1)/(4*x^2+2*x+1)$  ogf]  
A252530 5.52809 [  $4*(64*x^7+4800*x^6-1984*x^5-1204*x^4-2186*x^3+440*x^2+250*x+233)/(2*x-1)/(4*x^3-1)/(4*x^2+2*x+1)$  ogf]  
A252531 5.19174 [  $\{a(n+5)-8*a(n+2), a(0) = 1200, a(1) = 1468, a(2) = 2404, a(3) = 3160, a(4) = 11456\}$ , ogf]  
A252531 8.14906 [  $4*(72*x^4+1610*x^3-601*x^2-367*x-300)/(2*x-1)/(4*x^2+2*x+1)$  ogf]  
A252534 5.38834 [  $(128*x^9+208*x^8+880*x^7+3456*x^6-1046*x^5-1316*x^4-3108*x^3+341*x^2+337*x+595)/(2*x^3-1)/(4*x^3-1)$  ogf]  
A252535 6.27591 [  $2*(128*x^7+1164*x^6-518*x^5-442*x^4-1067*x^3+233*x^2+167*x+230)/(2*x^3-1)/(4*x^3-1)$  ogf]  
A252536 5.88779 [  $\{a(n+5)-4*a(n+2), a(0) = 535, a(1) = 426, a(2) = 610, a(3) = 790, a(4) = 1592\}$ , ogf]  
A252536 9.21904 [  $(112*x^4+1350*x^3-610*x^2-426*x-535)/(4*x^3-1)$  ogf]  
A252537 5.43017 [  $-2*(136*x^7-4408*x^6+3092*x^5+1846*x^4+2438*x^3-557*x^2-338*x-273)/(2*x-1)/(4*x^3-1)/(4*x^2+2*x+1)$  ogf]  
A252538 5.59308 [  $-(128*x^7-9952*x^6+7792*x^5+4432*x^4+5284*x^3-1748*x^2-964*x-649)/(2*x-1)/(4*x^3-1)/(4*x^2+2*x+1)$  ogf]  
A252539 5.58910 [  $\{a(n+5)-8*a(n+2), a(0) = 823, a(1) = 1344, a(2) = 2332, a(3) = 3160, a(4) = 10720\}$ , ogf]  
A252539 8.92804 [  $(32*x^4+3424*x^3-2332*x^2-1344*x-823)/(2*x-1)/(4*x^2+2*x+1)$  ogf]  
A252543 5.12130 [  $2*(160*x^7+2752*x^6-2352*x^5-1098*x^4-1980*x^3+1071*x^2+425*x+239)/(16*x^3-1)/(2*x^3-1)$  ogf]  
A252585 6.82408 [  $(11*x^3+63*x^2-231*x-3)/(x-1)/(x^2-22*x+1)/(x^2+22*x+1)$  ogf]  
A252586 6.24973 [  $-(x^4+11*x^3-413*x^2+253*x+4)/(x-1)/(x^2-22*x+1)/(x^2+22*x+1)$  ogf]  
A252630 4.84715 [  $\{-a(n+3)+323*a(n+2)-323*a(n+1)+a(n), a(0) = 50, a(1) = 16503, a(2) = 5314316\}$ , ogf]  
A252630 9.05276 [  $(3*x^2-353*x-50)/(x^2-322*x+1)/(x-1)$  ogf]  
A252631 4.92794 [  $\{-a(n+3)+323*a(n+2)-323*a(n+1)+a(n), a(0) = 92, a(1) = 29524, a(2) = 9506540\}$ , ogf]  
A252631 9.20365 [  $-4*(x^2-48*x+23)/(x^2-322*x+1)/(x-1)$  ogf]  
A252650 9.67832 [  $-(-4*x^5-2*x^4-4*x^3-4*x^2-4*x-2)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A252651 10.4659 [  $-(-4*x^5-2*x^4-4*x^3-4*x-2)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A252690 3.94005 [

(608\*x^9-1192\*x^8-1444\*x^7+2930\*x^6-173\*x^5-63\*x^4-1315\*x^3+386\*x^2+388\*x-148)/(2\*x-1)/(x-1)/(2\*x^2-1)/(x^2+x-1)/(2\*x^3-1) ogf]  
 A252692 3.67744 [  
 (4256\*x^9-6600\*x^8-9396\*x^7+16566\*x^6-1663\*x^5+1127\*x^4-7927\*x^3+2483\*x^2+1781\*x-707)/(2\*x-1)/(x-1)/(2\*x^2-1)/(x^2+x-1)/(2\*x^3-1) ogf]  
 A252706 11.3742 [-(2\*x^4+x^3+x+2)/(-x^6+1) ogf\_with\_Euler\_transform]  
 A252712 3.78484 [  
 (12\*x^10+84\*x^9-436\*x^8+11\*x^7+365\*x^6+234\*x^5-24\*x^4-249\*x^3-30\*x^2+6\*x+39)/(x+1)/(3\*x^3-1)/(4\*x^3-1)/(x-1)^2 ogf]  
 A252713 5.33302 [ 2\*(36\*x^8+84\*x^7-275\*x^6+9\*x^5-34\*x^4+172\*x^3-5\*x^2+3\*x-26)/(x-1)/(3\*x^3-1)/(4\*x^3-1) ogf]  
 A252714 8.51707 [ (15\*x^5+99\*x^4-192\*x^3+12\*x^2-20\*x+70)/(3\*x^3-1)/(x-1) ogf]  
 A252715 4.19333 [  
 (24\*x^11+138\*x^10-262\*x^9-64\*x^8-447\*x^7+877\*x^6+x^5+236\*x^4-549\*x^3+7\*x^2-33\*x+96)/(x-1)/(3\*x^3-1)/(x^6-3\*x^3+1) ogf]  
 A252716 3.90415 [  
 (24\*x^11+219\*x^10-367\*x^9-51\*x^8-715\*x^7+1208\*x^6-35\*x^5+395\*x^4-748\*x^3+17\*x^2-60\*x+129)/(x-1)/(3\*x^3-1)/(x^6-3\*x^3+1) ogf]  
 A252717 5.40125 [  
 (8\*x^8+107\*x^7-171\*x^6-14\*x^5-311\*x^4+503\*x^3-19\*x^2+84\*x-175)/(x-1)/(x^6-3\*x^3+1) ogf]  
 A252721 7.41982 [ (2\*x^7+4\*x^6+18\*x^5-73\*x^4-73\*x^3+5\*x^2+46\*x+45)/(x-1)/(x+1)/(2\*x^3-1) ogf]  
 A252722 8.46940 [ 2\*(12\*x^5-44\*x^4-47\*x^3+4\*x^2+28\*x+27)/(x-1)/(x+1)/(2\*x^3-1) ogf]  
 A252723 6.25843 [ (42\*x^7-78\*x^6-224\*x^5-271\*x^4-75\*x^3+156\*x^2+160\*x+84)/(x-1)/(x+1)/(2\*x^3-1)/(x^2+x+1) ogf]  
 A252724 5.59967 [ (2\*x^8+42\*x^7-138\*x^6-325\*x^5-357\*x^4-79\*x^3+221\*x^2+213\*x+111)/(x-1)/(x+1)/(2\*x^3-1)/(x^2+x+1) ogf]  
 A252725 5.61236 [ (8\*x^8+86\*x^7-182\*x^6-496\*x^5-565\*x^4-147\*x^3+324\*x^2+319\*x+165)/(x-1)/(x+1)/(2\*x^3-1)/(x^2+x+1) ogf]  
 A252726 5.39214 [ (16\*x^8+144\*x^7-232\*x^6-720\*x^5-886\*x^4-290\*x^3+444\*x^2+477\*x+257)/(x-1)/(x+1)/(2\*x^3-1)/(x^2+x+1) ogf]  
 A252747 8.07104 [ -2\*(x^4-26\*x^2+12\*x+9)/(x-1)/(x^2+6\*x+1)/(x^2-6\*x+1) ogf]  
 A252762 5.17084 [{-a(n+3)+195\*a(n+2)-195\*a(n+1)+a(n), a(0) = 3, a(1) = 853, a(2) = 165735}, ogf]  
 A252762 9.35313 [ (15\*x^2-268\*x-3)/(x-1)/(x^2-194\*x+1) ogf]  
 A252763 5.21427 [{-a(n+3)+195\*a(n+2)-195\*a(n+1)+a(n), a(0) = 8, a(1) = 1480, a(2) = 287064}, ogf]  
 A252763 5.67167 [ -(-3\*x^4+20\*x^3-1368\*x^2+384\*x-185)/( -3\*x^5+595\*x^4-2536\*x^3+2148\*x^2-205\*x+1) lgdogf]  
 A252763 9.65030 [ -8\*(3\*x^2-10\*x+1)/(x-1)/(x^2-194\*x+1) ogf]  
 A252769 11.5448 [ 2\*(7\*x-47)/(x-1)/(x^2-62\*x+1) ogf]  
 A252769 5.35005 [{-a(n+3)+63\*a(n+2)-63\*a(n+1)+a(n), a(0) = 94, a(1) = 5908, a(2) = 366282}, ogf]  
 A252769 6.71486 [ -(-14\*x^3+582\*x^2-5922\*x+2954)/( -7\*x^4+488\*x^3-3402\*x^2+2968\*x-47) lgdogf]  
 A252770 5.37242 [{-a(n+3)+63\*a(n+2)-63\*a(n+1)+a(n), a(0) = 148, a(1) = 9155, a(2) = 567444}, ogf]  
 A252770 9.94298 [ -(3\*x^2-169\*x+148)/(x-1)/(x^2-62\*x+1) ogf]  
 A252778 3.43991 [  
 6\*x^2\*(11\*x^7+92\*x^6+2829\*x^5+13850\*x^4+26045\*x^3+15504\*x^2+2123\*x+26)/(x-1)^10 ogf]  
 A252779 3.43991 [ 36\*x^2\*(x^7+18\*x^6+481\*x^5+2280\*x^4+4355\*x^3+2594\*x^2+347\*x+4)/(x-1)^10 ogf]  
 A252814 7.86710 [ -(x^4-6\*x^3+6\*x^2-2\*x+6)/(x^5-6\*x^4+12\*x^3-11\*x^2+6\*x-2) lgdogf]  
 A252814 8.11554 [ -(x^4-5\*x^3+7\*x^2-4\*x+2)/(x-1)^5 ogf]  
 A252815 5.76323 [ -(2\*x^6-11\*x^5+27\*x^4-37\*x^3+28\*x^2-11\*x+4)/(x-1)^7 ogf]  
 A252816 3.82727 [ -(2\*x^8-18\*x^7+67\*x^6-138\*x^5+176\*x^4-147\*x^3+79\*x^2-23\*x+7)/(x-1)^9 ogf]

A252822 5.83511 [  $-(x^6-4x^5+9x^4-17x^3+18x^2-8x+2)/(x-1)^7$  ogf]  
A252823 3.63034 [  $(3x^8-23x^7+75x^6-137x^5+163x^4-140x^3+81x^2-22x+4)/(x-1)^{10}$  ogf]  
A252831 8.97068 [  $-(2x^5+26x^4+30x^3+17x^2+x+4)/(x-1)^3$  ogf]  
A252832 6.79391 [  $-(5x^7+45x^6+295x^5+347x^4+192x^3+61x^2+8x+7)/(x-1)^3$  ogf]  
A252833 5.16387 [  $-(15x^9+170x^8+865x^7+3884x^6+4458x^5+2457x^4+758x^3+162x^2+20x+11)/(x-1)^3$  ogf]  
A252834 4.08526 [  $-(50x^{11}+676x^{10}+4171x^9+15495x^8+54521x^7+60328x^6+32656x^5+9935x^4+2017x^3+322x^2+37x+16)/(x-1)^3$  ogf]  
A252854 7.73453 [  $-9*(6x^3-9x^2-21x+13)/(x^2-3x+1)/(x^2+x-1)$  ogf]  
A252855 3.95501 [  $-9*(52x^8+92x^7+26x^6-69x^5-123x^4-79x^3+3x^2+17x+31)/(x-1)/(x^2+x+1)/(2x^6+2x^5-2x^4-2x^3-x^2-x+1)$  ogf]  
A252856 4.22267 [  $9*(2x^9+20x^8-95x^7+86x^6-35x^5+38x^4+48x^3+31x^2+70x-76)/(x-1)/(x^2+x+1)/(x^5-2x^4+x^3-2x+1)$  ogf]  
A252863 13.8984 [  $-(4x-1)/(16x^2-20x+1)$  ogf]  
A252863 7.68499 [  $\{a(n+2)-20a(n+1)+16a(n), a(0) = 1, a(1) = 16\}$ , ogf]  
A252863 9.33177 [  $-(-64x^2+32x-16)/(-64x^3+96x^2-24x+1)$  lgdogf]  
A252864 3.88190 [  $(x-1)*(x^2+x+1)*(x^8+2x^7+2x^6+2x^5+x^4+x^3+x^2+1)/(x^3+x-1)$  ogf]  
A252870 4.27260 [  $\{(20n^2+106n+132)*a(n+1)+(-49n^2-239n-270)*a(n+2)+(29n^2+97n+78)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 8\}$ , ogf]  
A252870 8.73301 [  $-x*(x^3-4x^2+3x+1)/(x-1)^5$  ogf]  
A252870 9.93380 [  $-(2x^3-9x^2+4x+8)/(x^4-5x^3+7x^2-2x-1)$  lgdogf]  
A252871 5.79712 [  $-(2x^6-10x^5+21x^4-22x^3+9x^2+x+1)/(x-1)^7$  ogf]  
A252872 3.87151 [  $-(2x^8-17x^7+59x^6-110x^5+120x^4-78x^3+27x^2-x+3)/(x-1)^9$  ogf]  
A252924 4.72809 [  $x^3*(x^5-3x^4-3x^3+15x^2-10x-1)/(x-1)^9$  ogf]  
A252932 8.52805 [  $(x^5+7x^4+4x^3+5x^2-3x+2)/(x-1)^4$  ogf]  
A252933 6.26331 [  $(4x^7+40x^6+122x^5+98x^4+39x^3+16x^2-3x+4)/(x-1)^4$  ogf]  
A252934 5.16126 [  $(20x^9+293x^8+1331x^7+2849x^6+2340x^5+1013x^4+271x^3+65x^2+2x+8)/(x-1)^4$  ogf]  
A252935 3.63480 [  $(128x^{11}+2477x^{10}+15733x^9+49399x^8+86878x^7+70316x^6+31149x^5+8341x^4+1529x^3+252x^2+23x+15)/(x-1)^4$  ogf]  
A252940 11.1045 [  $(9x^{14}-8x^{13}+15x^{12}-16x^{11}-1)/(x-1)$  ogf]  
A252945 4.81813 [  $-9*(24x^5-32x^4+6x^3+30x^2-49x+22)/(x-1)/(4x^5-2x^4+4x^2-5x+1)$  ogf]  
A252956 3.67259 [  $(420x^9+4830x^8-16334x^7+14137x^6-91x^5-2981x^4-386x^3-85x^2+737x-223)/(2x-1)/(3x^2-1)/(7x^3-1)/(x-1)^2$  ogf]  
A252970 4.17108 [  $\{(8n^2+46n+66)*a(n+1)+(-19n^2-79n-52)*a(n+2)+(11n^2+15n+4)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A252970 6.60729 [  $-x^2*(3x^3-9x^2+6x+1)/(x-1)^7$  ogf]  
A252970 8.68167 [  $-(12x^3-36x^2+18x+13)/(3x^4-12x^3+15x^2-5x-1)$  lgdogf]  
A252971 3.54265 [  $x*(2x^8-14x^7+43x^6-78x^5+94x^4-70x^3+18x^2+8x+1)/(x-1)^{10}$  ogf]  
A252978 7.73247 [  $-(48x^6+151x^5+169x^4+32x^3+x^2-2x+1)/(x-1)^3$  ogf]  
A252979 5.91875 [  $-(730x^8+3476x^7+6117x^6+4917x^5+1129x^4+5x^3+3x^2+4x+3)/(x-1)^3$  ogf]  
A252980 4.20335 [  $-(17856x^{10}+116199x^9+298886x^8+379211x^7+243514x^6+57041x^5+1673x^4+566x^3+161x^2+23x+6)/(x-1)^3$  ogf]  
A252985 6.55602 [  $(68x^3+151x^2-578x-1)/(x-1)/(x^2+38x+1)/(x^2-38x+1)$  ogf]  
A252986 6.04689 [  $-(x^4+85x^3-1251x^2+731x+2)/(x-1)/(x^2+38x+1)/(x^2-38x+1)$  ogf]  
A252994 11.0913 [  $\{a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 26\}$ , ogf]

A252994 23.9339 [  $26x/(x-1)^2$  ogf]  
A252994 32.4817 [  $2/(-x+1)$  lgdogf]  
A252994 69.6328 [ [2] ogf\_with\_Euler\_transform]  
A252999 7.35711 [  $-(224x^3+634x^2+388x+34)/(28x^5+84x^4+37x^3-119x^2-29x-1)$  lgdogf]  
A252999 7.50574 [  $x^3(28x^4+112x^3+149x^2+30x+1)/(x-1)^4$  ogf]  
A253000 5.28686 [  $(183x^9+1154x^8+2810x^7+3118x^6+859x^5+68x^4-x^3+3x^2-3x+1)/(x-1)^4$  ogf]  
A253001 4.05195 [  $(1453x^{11}+12629x^{10}+45975x^9+87826x^8+87677x^7+27642x^6+3088x^5-55x^4+x^3+2x^2-2x+4)/(x-1)^4$  ogf]  
A253006 6.24591 [  $x^3(4x^6+44x^5+385x^4+694x^3+422x^2+50x+1)/(x-1)^4$  ogf]  
A253007 3.92790 [  $(25x^{12}+375x^{11}+2605x^{10}+17119x^9+42525x^8+44788x^7+20582x^6+2930x^5+123x^4-x^3+3x^2-3x+1)/(x-1)^4$  ogf]  
A253012 18.2130 [  $-x^9+x^4+x^3+x^2+1$  ogf\_with\_Euler\_transform]  
A253012 7.55011 [  $-(x^4-x^3+x^2-x+1)/(x^2+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A253017 5.05478 [  $-(112x^8-16x^7-80x^6+200x^5+73x^4+45x^3-133x^2-50x-25)/(4x^3-1)^2$  ogf]  
A253018 11.3038 [  $(6x^4+12x^3-51x^2-37x-25)/(3x^3-1)$  ogf]  
A253018 6.84175 [ {a(n+5)-3a(n+2), a(0) = 25, a(1) = 37, a(2) = 51, a(3) = 63, a(4) = 105}, ogf]  
A253019 5.32800 [  $(3x^{10}+6x^9-87x^8-59x^7-67x^6+275x^5+167x^4+131x^3-83x^2-50x-37)/(3x^3-1)/(x^6-3x^3+1)$  ogf]  
A253020 3.82616 [  $(9x^{14}+6x^{13}+x^{12}-103x^{11}-65x^{10}-15x^9+106x^8+66x^7-8x^6+315x^5+196x^4+135x^3-133x^2-83x-51)/(x^6-3x^3+1)/(x^6+2x^3-1)$  ogf]  
A253021 4.90630 [  $(2x^{11}+5x^{10}+4x^9-56x^8-53x^7-33x^6-64x^5-43x^4-34x^3+120x^2+91x+63)/(x-1)/(x^2+x+1)/(x^6+2x^3-1)$  ogf]  
A253029 11.0896 [  $-27(6x+11)/(3x^2+5x-1)$  ogf]  
A253029 6.24586 [ {a(n+2)-5a(n+1)-3a(n), a(0) = 297, a(1) = 1647}, ogf]  
A253029 7.65338 [  $-(-18x^2-66x-61)/(-18x^3-63x^2-49x+11)$  lgdogf]  
A253030 4.27065 [  $-27(1280x^5+784x^4-1268x^3-244x^2-68x+61)/(160x^6+80x^5-174x^4-10x^3-5x^2+9x-1)$  ogf]  
A253045 7.50493 [  $(53947x^3-152471x^2+144095x-45523)/(x-1)^4$  ogf]  
A253062 7.15627 [  $-x(x^8-x^7+x^6-x^5+x^4+x^3-x^2-x-1)/(3x^3-1)/(x-1)$  ogf]  
A253067 7.78515 [  $-(2x+1)(4x^3+3x^2+2x+1)/(8x^5+6x^4+13x^3+5x^2+x-1)$  ogf]  
A253068 11.0640 [  $-(-32x^4-48x^3-18x^2+20x+6)/(-32x^5+22x^3+11x^2-1)$  lgdogf]  
A253068 16.5052 [  $(4x^2+3x+1)/(x-1)/(2x+1)/(4x-1)$  ogf]  
A253068 8.90991 [ {a(n+3)-3a(n+2)-6a(n+1)+8a(n), a(0) = 1, a(1) = 6, a(2) = 28}, ogf]  
A253070 6.98175 [  $-(2x+1)(2x^5+x^3-x^2+x+1)/(8x^7-8x^6+10x^5-6x^4-x^3+3x^2+3x-1)$  ogf]  
A253072 7.89334 [  $-(8x^4-28x^3+16x^2-x-1)/(8x^5-44x^4+24x^3+5x^2-6x+1)$  ogf]  
A253093 4.64162 [ {(-9n^2+9n)\*a(n)+(10n^2+20n+6)\*a(n+1)+(-n^2-5n-6)\*a(n+2), a(0) = 1, a(1) = -2}, ogf]  
A253094 4.25051 [ {(9n^2-18n)\*a(n+1)+(-10n^2-30n-5)\*a(n+2)+(n^2+8n+15)\*a(n+3), a(0) = 1, a(1) = -5, a(2) = 6}, ogf]  
A253095 3.52267 [ {(64n^3+576n^2+1664n+1536)\*a(n+1)+(-20n^3-270n^2-1186n-1692)\*a(n+2)+(n^3+18n^2+107n+210)\*a(n+3), a(0) = 1, a(1) = 4, a(2) = 22}, ogf]  
A253101 13.8414 [  $-(4x^3-3x^2+1)/(2x-1)/(x^2-4x+1)$  ogf]  
A253101 6.71413 [ {a(n+4)-6a(n+3)+9a(n+2)-2a(n+1), a(0) = 1, a(1) = 6, a(2) = 24, a(3) = 96}, ogf]  
A253101 8.10535 [  $-(-30x^4+48x^3-36x^2+24x-6)/(-8x^6+42x^5-51x^4+20x^3+6x^2-6x+1)$  lgdogf]

A253103 9.42208 [  $-(64x^3+40x^2-22x-1)/(4x+1)/(8x-1)/(2x-1)/(x+1)$  ogf]  
A253105 6.06979 [  $-(4x^6-8x^5-x^4-6x^3-4x-1)/(8x^7-8x^6-12x^5+29x^4-6x^3-4x+1)$  ogf]  
A253120 10.1239 [  $(5x^2-111x-6)/(x-1)/(x^2-98x+1)$  ogf]  
A253120 5.48380 [  $\{-a(n+3)+99a(n+2)-99a(n+1)+a(n), a(0) = 6, a(1) = 705, a(2) = 69196\}$ , ogf]  
A253120 5.52988 [  $-(5x^4-222x^3+10476x^2+1198x-705)/(5x^5-606x^4+11478x^3-10400x^2-483x+6)$  lgdogf]  
A253121 4.87046 [  $\{-a(n+3)+99a(n+2)-99a(n+1)+a(n), a(0) = 18, a(1) = 1730, a(2) = 169498\}$ , ogf]  
A253121 9.07677 [  $-2*(5x^2-26x+9)/(x-1)/(x^2-98x+1)$  ogf]  
A253122 11.6313 [  $-4*(4x^2-x-1)/(2x-1)/(2x^2-1)$  ogf]  
A253122 6.32577 [  $\{a(n+3)-2a(n+2)-2a(n+1)+4a(n), a(0) = 4, a(1) = 12, a(2) = 16\}$ , ogf]  
A253122 7.21138 [  $-(-16x^4+8x^3+2x^2+4x-3)/(-16x^5+12x^4+10x^3-8x^2-x+1)$  lgdogf]  
A253130 7.58863 [  $-(x^4-6x^3+6x^2-14x+53)/(x^5-6x^4+12x^3-14x^2+19x-12)$  lgdogf]  
A253130 8.06292 [  $-(x-3)*(x^3-2x^2+x-4)/(x-1)^5$  ogf]  
A253131 6.14927 [  $-(x^6-4x^5-12x^4+27x^2+42x+16)/(x+1)^2/(x-1)^5$  ogf]  
A253136 16.4994 [  $-(2x^{10}+x^9+x^7+2x^4+x^3+2x)/(x^{12}-1)$  ogf\_with\_Euler\_transform]  
A253144 25.6656 [  $-(-x^9-x^6-1)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]  
A253145 11.5555 [  $-x*(x^2-3x+3)/(x-1)^3$  ogf]  
A253145 11.7361 [  $-(-x^2+4x-6)/(-x^3+4x^2-6x+3)$  lgdogf]  
A253145 5.69021 [  $\{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 0, a(1) = 3, a(2) = 6, a(3) = 10\}$ , ogf]  
A253150 4.31563 [  $-2*(35x^8-824x^7+6371x^6-22148x^5+38512x^4-34324x^3+15361x^2-3160x+225)/(x-1)/(x^2-5x+1)/(x^2-3x+1)/(x^4-15x^3+32x^2-15x+1)$  ogf]  
A253151 4.21348 [  $\{a(n+5)-3a(n+4)+2a(n+3), a(0) = 16, a(1) = 72, a(2) = 94, a(3) = 164, a(4) = 308\}$ , ogf]  
A253151 7.67662 [  $2*(2x^4+13x^3-45x^2+12x+8)/(2x-1)/(x-1)$  ogf]  
A253152 9.87293 [  $-(8x^4+20x^3+16x^2+9x-16)/(2x-1)/(x-1)$  ogf]  
A253153 11.1070 [  $(8x^4-50x^2-45x+39)/(2x-1)/(x-1)$  ogf]  
A253153 5.34474 [  $\{-a(n+5)+3a(n+4)-2a(n+3), a(0) = 39, a(1) = 72, a(2) = 88, a(3) = 120, a(4) = 192\}$ , ogf]  
A253154 5.34474 [  $\{a(n+5)-3a(n+4)+2a(n+3), a(0) = 69, a(1) = 88, a(2) = 94, a(3) = 129, a(4) = 201\}$ , ogf]  
A253154 9.60609 [  $(2x^4+23x^3-32x^2-119x+69)/(2x-1)/(x-1)$  ogf]  
A253155 9.61405 [  $(2x^4+17x^3-13x^2-207x+109)/(2x-1)/(x-1)$  ogf]  
A253156 9.61405 [  $(2x^4+17x^3-13x^2-351x+181)/(2x-1)/(x-1)$  ogf]  
A253157 9.61405 [  $(2x^4+17x^3-13x^2-639x+325)/(2x-1)/(x-1)$  ogf]  
A253158 9.53232 [  $(2x^4+17x^3-13x^2-1215x+613)/(2x-1)/(x-1)$  ogf]  
A253167 5.96767 [  $(x^4+150x^3-816x^2-870x-1)/(x-1)/(x^2-34x+1)/(x^2+34x+1)$  ogf]  
A253168 5.88204 [  $-2*(x^4+105x^3-915x^2+615x+2)/(x-1)/(x^2-34x+1)/(x^2+34x+1)$  ogf]  
A253171 5.98645 [  $-(x^6-7x^5+21x^4-33x^3+39x^2-9x+3)/(x-1)^7$  ogf]  
A253175 11.3565 [  $-(x^2-4x+1)/(x^2-10x+1)/(x-1)$  ogf]  
A253175 6.22141 [  $\{-a(n+3)+11a(n+2)-11a(n+1)+a(n), a(0) = 1, a(1) = 7, a(2) = 67\}$ , ogf]  
A253175 7.01433 [  $-(-x^4+8x^3-36x^2+20x-7)/(-x^5+15x^4-56x^3+56x^2-15x+1)$  lgdogf]  
A253185 7.34613 [  $-(10x^{24}+4x^{23}-8x^{22}-4x-8)/(-x^{25}+x^{23}+2x^2-2)$  ogf\_with\_Euler\_transform]  
A253186 9.86608 [  $x^2*(x^3-x-1)/(x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A253195 10.0882 [  $-(-x^3-7x^2-20x-8)/(-x^4-3x^3-4x^2+3x+5)$  lgdogf]  
A253195 13.3958 [  $(x^2+3x+5)/(x+1)/(x-1)^2$  ogf]  
A253195 7.23138 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 5, a(1) = 8, a(2) = 14\}$ , ogf]

A253197 12.1659 [  $x^*(x^3+2*x+1)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A253198 10.7765 [  $-x^*(2*x^3-x^2-x-1)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A253207 3.98480 [  $-(2*x^8-18*x^7+72*x^6-168*x^5+254*x^4-232*x^3+224*x^2-40*x+11)/(x-1)^9$  ogf]  
A253208 10.4030 [  $-(-52*x^2+32*x-7)/(-52*x^3+81*x^2-33*x+4)$  lgdogf]  
A253208 15.6046 [  $-(13*x-4)/(4*x-1)/(x-1)$  ogf]  
A253208 8.75378 [  $\{a(n+2)-5*a(n+1)+4*a(n), a(0) = 4, a(1) = 7\}$ , ogf]  
A253209 10.1796 [  $-(-186*x^2+72*x-11)/(-186*x^3+253*x^2-73*x+6)$  lgdogf]  
A253209 16.1546 [  $-(31*x-6)/(6*x-1)/(x-1)$  ogf]  
A253209 8.95314 [  $\{a(n+2)-7*a(n+1)+6*a(n), a(0) = 6, a(1) = 11\}$ , ogf]  
A253210 15.5896 [  $-(43*x-7)/(7*x-1)/(x-1)$  ogf]  
A253210 8.64001 [  $\{a(n+2)-8*a(n+1)+7*a(n), a(0) = 7, a(1) = 13\}$ , ogf]  
A253210 9.82358 [  $-(-301*x^2+98*x-13)/(-301*x^3+393*x^2-99*x+7)$  lgdogf]  
A253211 14.9579 [  $-(57*x-8)/(8*x-1)/(x-1)$  ogf]  
A253211 8.28990 [  $\{a(n+2)-9*a(n+1)+8*a(n), a(0) = 8, a(1) = 15\}$ , ogf]  
A253211 9.17416 [  $-(-456*x^2+128*x-15)/(-456*x^3+577*x^2-129*x+8)$  lgdogf]  
A253212 15.2874 [  $-(73*x-9)/(9*x-1)/(x-1)$  ogf]  
A253212 8.55365 [  $\{a(n+2)-10*a(n+1)+9*a(n), a(0) = 9, a(1) = 17\}$ , ogf]  
A253212 9.58009 [  $-(-657*x^2+162*x-17)/(-657*x^3+811*x^2-163*x+9)$  lgdogf]  
A253213 14.3061 [  $-(91*x-10)/(10*x-1)/(x-1)$  ogf]  
A253213 8.15117 [  $\{a(n+2)-11*a(n+1)+10*a(n), a(0) = 10, a(1) = 19\}$ , ogf]  
A253213 9.10391 [  $-(-910*x^2+200*x-19)/(-910*x^3+1101*x^2-201*x+10)$  lgdogf]  
A253218 8.31685 [  $-(2*x^6+13*x^5+47*x^4+18*x^3+x^2-2*x+1)/(x-1)^3$  ogf]  
A253219 6.60729 [  $-(5*x^8+45*x^7+178*x^6+483*x^5+259*x^4-14*x^3+x^2+3)/(x-1)^3$  ogf]  
A253220 5.00790 [  $-(15*x^{10}+170*x^9+865*x^8+2590*x^7+5860*x^6+3466*x^5-255*x^4+31*x^3+45*x^2+7*x+6)/(x-1)^3$  ogf]  
A253221 3.97228 [  $-(50*x^{12}+676*x^{11}+4171*x^{10}+15495*x^9+38505*x^8+77197*x^7+46449*x^6-3652*x^5+561*x^4+597*x^3+146*x^2+19*x+10)/(x-1)^3$  ogf]  
A253225 6.64784 [  $(7*x^6+5*x^5+15*x^4-80*x^3-22*x^2+103*x-47)/(x-1)/(2*x-1)^2$  ogf]  
A253226 5.59462 [  $(x^7-3*x^6+76*x^5-307*x^4+323*x^3+89*x^2-319*x+125)/(x-1)^3/(2*x-1)$  ogf]  
A253227 5.49307 [  $(x^7-5*x^6+343*x^5-1245*x^4+1261*x^3+219*x^2-933*x+335)/(x-1)^3/(2*x-1)$  ogf]  
A253228 5.18690 [  $(x^7-7*x^6+1208*x^5-4009*x^4+3624*x^3+997*x^2-2760*x+907)/(x-1)^3/(2*x-1)$  ogf]  
A253229 5.11623 [  $(x^7-9*x^6+3599*x^5-11033*x^4+8417*x^3+4681*x^2-8192*x+2470)/(x-1)^3/(2*x-1)$  ogf]  
A253230 5.03524 [  $(x^7-11*x^6+9682*x^5-27356*x^4+15840*x^3+19136*x^2-24149*x+6740)/(x-1)^3/(2*x-1)$  ogf]  
A253243 5.59714 [  $-(2*x^{11}+2*x^9-2*x^8+x^7+4*x^5+x^3-2*x^2+2*x)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]  
A253251 8.26097 [  $-(x^{20}+x^{12}+x^{10}+x^9+4*x^8-8*x^7+4*x^3-4*x^2-1)/(x-1)^2$  ogf]  
A253255 10.4526 [  $-(x^3-2*x^2+x)/(-x^4-2*x^3-3*x^2-2*x-1)$  revogf]  
A253256 12.1731 [  $(-1/2*x+1/2+1/2*(-3*x^2-6*x+1)^{(1/2)})x$  revogf]  
A253262 14.8935 [  $x^9-x^4-x^2-x+2$  ogf\_with\_Euler\_transform]  
A253262 8.39010 [  $x^*(x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A253265 13.6460 [  $-(3*x-1)/(27*x^3-12*x^2-10*x+1)$  ogf]  
A253265 6.58772 [  $\{a(n+3)-10*a(n+2)-12*a(n+1)+27*a(n), a(0) = 1, a(1) = 7, a(2) = 82\}$ , ogf]  
A253265 8.58624 [  $-(-162*x^3+117*x^2-24*x-7)/(-81*x^4+63*x^3+18*x^2-13*x+1)$  lgdogf]  
A253285 12.1230 [  $-(-5*x^2-20*x-10)/(-x^3-2*x^2+2*x+1)$  lgdogf]  
A253285 3.96099 [  $\{(n+3)*a(n+4)+(-6+2*n)*a(n+3)+(-22-2*n)*a(n+2)+(-5-n)*a(n+1), a(0) = 0, a(1) = 24, a(2) = 240, a(3) = 1200\}$ , ogf]  
A253285 7.69346 [  $-24*x*(x^2+3*x+1)/(x-1)^7$  ogf]  
A253289 17.7102 [  $-(x+1)/(-x^2+2*x-1)$  ogf\_with\_Euler\_transform]  
A253301 9.73667 [  $(x^2+x+1)*(x^3+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]

A253304 7.92267 [  $(3x^3+7x^2-21x-1)/(x-1)/(x^2-8x+1)/(x^2+8x+1)$  ogf]  
A253305 7.28174 [  $-(x^4+3x^3-53x^2+27x+2)/(x-1)/(x^2-8x+1)/(x^2+8x+1)$  ogf]  
A253320 3.37742 [ -  
 $(64x^{12}-150x^{11}-144x^{10}+574x^9-63x^8-832x^7+444x^6+588x^5-468x^4-232x^3+215x^2+50x-44)/(2x-1)/(2x^2-1)^2/(x+1)^3/(x-1)^5$  ogf]  
A253344 5.97081 [  $(19x^5+48x^4-211x^3+68x^2+109x-47)/(2x-1)/(x-1)/(6x^2+3x-1)$  ogf]  
A253345 3.89486 [  $(512x^7+512x^6-2192x^5-240x^4+2512x^3-716x^2-401x+125)/(2x-1)/(4x^2+2x-1)/(8x^4+16x^3-12x^2-5x+1)$  ogf]  
A253351 7.23521 [  $(6x^5+86x^4+104x^3-141x^2-62x+47)/(2x-1)/(6x^2+3x-1)$  ogf]  
A253352 3.43792 [ -  
 $(192x^9+64x^8-2608x^7-2512x^6+4356x^5+344x^4-2836x^3+815x^2+390x-125)/(2x-1)/(4x^2+2x-1)/(8x^4+16x^3-12x^2-5x+1)$  ogf]  
A253360 6.93098 [  $-8(48x^5+15x^4-14x^3-6x^2+34x+19)/(4x^6-3x^4+4x^2-1)$  ogf]  
A253361 5.14658 [  $-8(72x^7+40x^6+172x^5+64x^4-73x^3-50x^2+53x+34)/(4x^8+8x^6-8x^4+5x^2-1)$  ogf]  
A253362 3.79069 [  $8(36x^{10}-24x^9+x^8-480x^7-282x^6-564x^5-157x^4+180x^3+116x^2-120x-70)/(16x^8+17x^6-15x^4+7x^2-1)$  ogf]  
A253368 10.9010 [  $-(2x-322)/(x^2-322x+1)$  lgdogf]  
A253368 16.1958 [  $1/(x^2-322x+1)$  ogf]  
A253368 6.59133 [  $\{-a(n+2)+322a(n+1)-a(n), a(0) = 1, a(1) = 322\}$ , ogf]  
A253391 7.79459 [  $(2x^7-2x^6-4x^5-16x^4+x^3+61x^2-14x-44)/(x+1)/(x-1)^3$  ogf]  
A253392 8.13027 [  $(3x^7+8x^5-14x^4-90x^3+112x^2+49x-96)/(x+1)/(x-1)^3$  ogf]  
A253393 5.21782 [  $(x^{10}-x^9-x^8+4x^7+8x^6+10x^5-227x^4+362x^3+15x^2-343x+180)/(x+1)/(x-1)^4$  ogf]  
A253394 4.57945 [  $(x^{12}-x^{11}-2x^{10}+5x^9-9x^8+3x^7+37x^6+50x^5-509x^4+625x^3+174x^2-662x+304)/(x+1)/(x-1)^4$  ogf]  
A253395 3.76181 [  $(x^{15}-2x^{14}+5x^{12}-17x^{11}+23x^{10}-12x^9-20x^8+106x^7+48x^6-1054x^5+1881x^4-556x^3-1519x^2+1584x-476)/(x+1)/(x-1)^5$  ogf]  
A253410 7.30669 [  $(95x^3+721x^2-95x-1)/(x-1)/(x^2+38x+1)/(x^2-38x+1)$  ogf]  
A253411 6.65667 [  $-(x^4+75x^3-872x^2+75x+1)/(x-1)/(x^2+38x+1)/(x^2-38x+1)$  ogf]  
A253412 8.99928 [  $-(x^5+x^4-x^3-x^2-2x-1)/(x^6-x^4-x^3-x^2+1)$  ogf]  
A253413 7.74858 [  $(x^6-6x^5-x^4+3x^3+2x^2+2x+1)/(x^6-x^4-x^3-x^2+1)$  ogf]  
A253428 4.21348 [  $\{a(n+5)-3a(n+4)+2a(n+3), a(0) = 16, a(1) = 58, a(2) = 85, a(3) = 156, a(4) = 300\}$ , ogf]  
A253428 7.67662 [  $(2x^4+17x^3-57x^2+10x+16)/(2x-1)/(x-1)$  ogf]  
A253429 9.87293 [  $(2x^4+5x^3-23x^2-59x+39)/(2x-1)/(x-1)$  ogf]  
A253430 10.9362 [  $(6x^3+13x^2-137x+69)/(2x-1)/(x-1)$  ogf]  
A253430 5.97354 [  $\{-a(n+4)+3a(n+3)-2a(n+2), a(0) = 69, a(1) = 70, a(2) = 85, a(3) = 121\}$ , ogf]  
A253431 12.4320 [  $(32x^2-225x+109)/(2x-1)/(x-1)$  ogf]  
A253431 6.67643 [  $\{a(n+3)-3a(n+2)+2a(n+1), a(0) = 109, a(1) = 102, a(2) = 120\}$ , ogf]  
A253431 8.28798 [  $-(354x^2-372x+102)/(-64x^4+546x^3-925x^2+552x-109)$  lgdogf]  
A253432 12.4320 [  $(32x^2-369x+181)/(2x-1)/(x-1)$  ogf]  
A253432 6.67643 [  $\{a(n+3)-3a(n+2)+2a(n+1), a(0) = 181, a(1) = 174, a(2) = 192\}$ , ogf]  
A253432 8.19380 [  $-(642x^2-660x+174)/(-64x^4+834x^3-1501x^2+912x-181)$  lgdogf]  
A253433 12.4320 [  $(32x^2-657x+325)/(2x-1)/(x-1)$  ogf]  
A253433 6.67643 [  $\{a(n+3)-3a(n+2)+2a(n+1), a(0) = 325, a(1) = 318, a(2) = 336\}$ , ogf]  
A253433 7.83754 [  $-(1218x^2-1236x+318)/(-64x^4+1410x^3-2653x^2+1632x-325)$

lgdogf]  
 A253434 12.2789 [ (32\*x^2-1233\*x+613)/(2\*x-1)/(x-1) ogf]  
 A253434 6.70793 [{a(n+3)-3\*a(n+2)+2\*a(n+1), a(0) = 613, a(1) = 606, a(2) = 624},  
 ogf]  
 A253434 7.87452 [-(2370\*x^2-2388\*x+606)/(-64\*x^4+2562\*x^3-4957\*x^2+3072\*x-613)  
 lgdogf]  
 A253436 9.87293 [ (8\*x^4+8\*x^3-26\*x^2-59\*x+39)/(2\*x-1)/(x-1) ogf]  
 A253437 5.34474 [{a(n+5)-3\*a(n+4)+2\*a(n+3), a(0) = 69, a(1) = 73, a(2) = 85,  
 a(3) = 120, a(4) = 192}, ogf]  
 A253437 9.73768 [ (2\*x^4+11\*x^3+4\*x^2-134\*x+69)/(2\*x-1)/(x-1) ogf]  
 A253438 9.74397 [ (2\*x^4+9\*x^3+15\*x^2-219\*x+109)/(2\*x-1)/(x-1) ogf]  
 A253439 9.74397 [ (2\*x^4+9\*x^3+15\*x^2-363\*x+181)/(2\*x-1)/(x-1) ogf]  
 A253440 9.74397 [ (2\*x^4+9\*x^3+15\*x^2-651\*x+325)/(2\*x-1)/(x-1) ogf]  
 A253441 9.65941 [ (2\*x^4+9\*x^3+15\*x^2-1227\*x+613)/(2\*x-1)/(x-1) ogf]  
 A253442 3.90567 [{a(n+3)-1443\*a(n+2)+1443\*a(n+1)-a(n), a(0) = 96, a(1) = 137712,  
 a(2) = 198579888}, ogf]  
 A253442 8.31529 [ 48\*(17\*x-2)/(x-1)/(x^2-1442\*x+1) ogf]  
 A253446 11.4340 [ (15\*x-1)/(x-1)/(x^2-30\*x+1) ogf]  
 A253446 5.47269 [{a(n+3)-31\*a(n+2)+31\*a(n+1)-a(n), a(0) = 1, a(1) = 16, a(2) =  
 465}, ogf]  
 A253446 7.03632 [-(30\*x^3-468\*x^2+62\*x-16)/(15\*x^4-466\*x^3+496\*x^2-46\*x+1)  
 lgdogf]  
 A253447 5.44848 [{-a(n+3)+31\*a(n+2)-31\*a(n+1)+a(n), a(0) = 1, a(1) = 15, a(2) =  
 435}, ogf]  
 A253447 5.95768 [-(x^4+32\*x^3-468\*x^2+60\*x-15)/(-  
 x^5+47\*x^4-528\*x^3+528\*x^2-47\*x+1) lgdogf]  
 A253447 9.96050 [ -(x^2-16\*x+1)/(x-1)/(x^2-30\*x+1) ogf]  
 A253449 4.84710 [ -  
 (864\*x^9+1872\*x^8+2304\*x^7+1764\*x^6+396\*x^5-549\*x^4-621\*x^3-205\*x^2-72\*x+81)/  
 (2\*x-1)/(3\*x-1)/(x-1) ogf]  
 A253450 4.85881 [   
 (480\*x^8+896\*x^7-640\*x^6-5712\*x^5-4648\*x^4+897\*x^3+2514\*x^2+509\*x-414)/(2\*x-1)/  
 (3\*x-1)/(x-1) ogf]  
 A253451 4.83289 [   
 (54\*x^8+441\*x^7+2310\*x^6+136\*x^5-9282\*x^4-8729\*x^3+5642\*x^2+3546\*x-1388)/  
 (2\*x-1)/(3\*x-1)/(x-1) ogf]  
 A253452 4.83098 [   
 (54\*x^8+345\*x^7+1994\*x^6+1926\*x^5-3744\*x^4-21108\*x^3+148\*x^2+13280\*x-3639)/  
 (2\*x-1)/(3\*x-1)/(x-1) ogf]  
 A253453 4.78334 [   
 (54\*x^8+393\*x^7+2158\*x^6+2832\*x^5-3730\*x^4-27721\*x^3-21445\*x^2+35786\*x-8501)/  
 (2\*x-1)/(3\*x-1)/(x-1) ogf]  
 A253454 4.43497 [   
 (54\*x^8+489\*x^7+2750\*x^6+5432\*x^5-9844\*x^4-45858\*x^3-66394\*x^2+86576\*x-19701)/  
 (2\*x-1)/(3\*x-1)/(x-1) ogf]  
 A253455 4.38798 [   
 (54\*x^8+681\*x^7+3934\*x^6+10872\*x^5-21054\*x^4-105187\*x^3-174835\*x^2+215434\*x-4829  
 3)/(2\*x-1)/(3\*x-1)/(x-1) ogf]  
 A253457 12.4905 [ (13\*x-1)/(x-1)/(x^2-26\*x+1) ogf]  
 A253457 5.97838 [{a(n+3)-27\*a(n+2)+27\*a(n+1)-a(n), a(0) = 1, a(1) = 14, a(2) =  
 351}, ogf]  
 A253457 7.68648 [-(26\*x^3-354\*x^2+54\*x-14)/(13\*x^4-352\*x^3+378\*x^2-40\*x+1)  
 lgdogf]  
 A253458 10.8840 [ -(x^2-14\*x+1)/(x-1)/(x^2-26\*x+1) ogf]  
 A253458 5.95367 [{-a(n+3)+27\*a(n+2)-27\*a(n+1)+a(n), a(0) = 1, a(1) = 13, a(2) =  
 325}, ogf]  
 A253458 6.51008 [-(x^4+28\*x^3-354\*x^2+52\*x-13)/(-  
 x^5+41\*x^4-406\*x^3+406\*x^2-41\*x+1) lgdogf]  
 A253459 7.50357 [ (20\*x^3+127\*x^2-20\*x-1)/(x-1)/(x^2-16\*x+1)/(x^2+16\*x+1) ogf]  
 A253460 6.85092 [ -(x^4+15\*x^3-158\*x^2+15\*x+1)/(x-1)/(x^2-16\*x+1)/(x^2+16\*x+1)  
 ogf]



A253461 8.64650 [  $-(6704*x^4+3744*x^3+2000*x^2+800*x+81)/(2*x-1)/(2*x+1)/(4*x^2+1)$  ogf ]  
A253462 3.82778 [  $-(156*x^7+709*x^6+916*x^5+313*x^4+82*x^3-373*x^2-378*x-81)/(16*x^8+48*x^7+75*x^6+8*x^5+7*x^4-30*x^3-27*x^2-2*x+1)$  ogf ]  
A253463 5.50679 [  $-4*(734*x^6+1468*x^5+696*x^4+232*x^3+325*x^2-200*x-135)/(x-1)/(x+1)/(6*x^2-1)/(2*x^2+1)$  ogf ]  
A253464 6.74657 [  $8*(48*x^5+1195*x^4-550*x^3-2025*x^2+175*x+455)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf ]  
A253465 4.83993 [  $8*(1600*x^7+44239*x^6-5578*x^5-47804*x^4+84*x^3-2701*x^2+384*x+3026)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(4*x^2+1)$  ogf ]  
A253466 6.39325 [  $8*(1168*x^5+78883*x^4-4398*x^3-100635*x^2+1067*x+20252)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf ]  
A253467 4.27038 [  $8*(18176*x^7+2148463*x^6-31210*x^5-2162396*x^4-952*x^3-134215*x^2+1986*x+135188)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(4*x^2+1)$  ogf ]  
A253469 5.65403 [  $8*(15040*x^5+3605423*x^4-25830*x^3-4514810*x^2+5558*x+903387)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf ]  
A253470 13.8805 [  $(4*x-1)/(x^2-8*x+1)/(x-1)$  ogf ]  
A253470 6.51034 [  $\{a(n+3)-9*a(n+2)+9*a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 36\}$ , ogf ]  
A253470 8.65492 [  $-(8*x^3-39*x^2+18*x-5)/(4*x^4-37*x^3+45*x^2-13*x+1)$  lgdogf ]  
A253472 13.5554 [  $-(2*x^5-2*x^4+2*x^2+x-4)/(x-1)^2$  ogf ]  
A253472 8.90781 [  $-(6*x^5-14*x^4+8*x^3-5*x+7)/(-2*x^6+4*x^5-2*x^4-2*x^3+x^2+5*x-4)$  lgdogf ]  
A253475 13.0084 [  $(5*x-1)/(x^2-10*x+1)/(x-1)$  ogf ]  
A253475 6.22141 [  $\{a(n+3)-11*a(n+2)+11*a(n+1)-a(n), a(0) = 1, a(1) = 6, a(2) = 55\}$ , ogf ]  
A253475 8.31933 [  $-(10*x^3-58*x^2+22*x-6)/(5*x^4-56*x^3+66*x^2-16*x+1)$  lgdogf ]  
A253476 7.45676 [  $(14*x^3+55*x^2-14*x-1)/(x-1)/(x^4-110*x^2+1)$  ogf ]  
A253477 6.84739 [  $-(x^4+9*x^3-74*x^2+9*x+1)/(x-1)/(x^4-110*x^2+1)$  ogf ]  
A253487 4.05597 [  $\{(8*n^2+44*n+60)*a(n+1)+(2*n^2+24*n+64)*a(n+2)+(-n^2-8*n-15)*a(n+3), a(0) = 2, a(1) = 16, a(2) = 90\}$ , ogf ]  
A253489 5.20854 [  $(72*x^7+180*x^6-392*x^5-2112*x^4-1543*x^3+1068*x^2+1107*x-414)/(2*x-1)/(3*x-1)/(x-1)$  ogf ]  
A253490 5.83949 [  $(6*x^6+733*x^5+442*x^4-7417*x^3-924*x^2+5238*x-1388)/(2*x-1)/(3*x-1)/(x-1)$  ogf ]  
A253491 6.12167 [  $(342*x^5+4467*x^4-9033*x^3-14189*x^2+16448*x-3639)/(2*x-1)/(3*x-1)/(x-1)$  ogf ]  
A253492 6.18139 [  $(198*x^5+5271*x^4-2367*x^3-47374*x^2+41327*x-8501)/(2*x-1)/(3*x-1)/(x-1)$  ogf ]  
A253493 5.71987 [  $(288*x^5+5844*x^4+4302*x^3-116576*x^2+97231*x-19701)/(2*x-1)/(3*x-1)/(x-1)$  ogf ]  
A253494 5.69553 [  $(480*x^5+8714*x^4+7761*x^3-284807*x^2+238591*x-48293)/(2*x-1)/(3*x-1)/(x-1)$  ogf ]  
A253496 4.77449 [  $(480*x^8+1040*x^7+530*x^6-3607*x^5-3091*x^4+491*x^3+618*x^2+1107*x-414)/(2*x-1)/(3*x-1)/(x-1)$  ogf ]  
A253497 4.78574 [  $(54*x^8+327*x^7+1253*x^6-153*x^5-3397*x^4-2012*x^3-3624*x^2+5688*x-1388)/(2*x-1)/(3*x-1)/(x-1)$  ogf ]  
A253498 4.77343 [  $(54*x^8+345*x^7+1214*x^6+26*x^5-3585*x^4+1023*x^3-18640*x^2+17114*x-3639)/(2*x-1)/(3*x-1)/(x-1)$  ogf ]  
A253499 4.80775 [  $(54*x^8+393*x^7+1510*x^6+900*x^5-6686*x^4+6505*x^3-49115*x^2+41352*x-8501)/(2*x-1)/(3*x-1)/(x-1)$  ogf ]  
A253500 4.35859 [  $(54*x^8+489*x^7+2102*x^6+2660*x^5-12502*x^4+9713*x^3-112665*x^2+95970*x-19701)/(2*x-1)/(3*x-1)/(x-1)$  ogf ]  
A253501 4.39369 [

$(54*x^8+681*x^7+3286*x^6+6180*x^5-23990*x^4+5389*x^3-268043*x^2+234396*x-48293)/(2*x-1)/(3*x-1)/(x-1)$  ogf]  
A253503 10.9391 [  $-(-11*x^2+46*x-65)/(-11*x^3+45*x^2-67*x+33)$  lgdogf]  
A253503 11.7678 [  $-4*(11*x^2-34*x+33)/(x-1)^3$  ogf]  
A253503 6.58199 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 132, a(1) = 260, a(2) = 428\}$ , ogf]  
A253504 7.61511 [  $4*(x^5+x^4-37*x^3+114*x^2-142*x+65)/(x-1)^4$  ogf]  
A253505 6.33390 [  $4*(x^7-2*x^6+6*x^5-4*x^4-62*x^3+191*x^2-232*x+107)/(x-1)^4$  ogf]  
A253506 4.47724 [  $4*(x^{10}-3*x^9+9*x^8-20*x^7+35*x^6-45*x^5-59*x^4+360*x^3-617*x^2+496*x-159)/(x-1)^5$  ogf]  
A253507 3.93408 [  $4*(x^{12}-3*x^{11}+10*x^{10}-23*x^9+44*x^8-77*x^7+110*x^6-129*x^5-22*x^4+461*x^3-833*x^2+677*x-221)/(x-1)^5$  ogf]  
A253512 8.80946 [  $x*(18*x^2-36*x+13)/(x-1)/(6*x-1)/(3*x-1)/(2*x-1)$  ogf]  
A253513 12.6858 [  $8*x^7/(-x^8+1)$  lgdogf]  
A253513 18.2676 [  $-1/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A253513 26.7955 [  $[x^7]$  ogf\_with\_Euler\_transform]  
A253514 4.32334 [  $\{-a(n+3)+899*a(n+2)-899*a(n+1)+a(n), a(0) = 1, a(1) = 841, a(2) = 755161\}$ , ogf]  
A253514 8.05714 [  $-(x^2-58*x+1)/(x-1)/(x^2-898*x+1)$  ogf]  
A253526 4.04362 [  $-(18*x^7-121*x^6+445*x^5-365*x^4-54*x^3+73*x^2-189*x+81)/(2*x^4-7*x^3+4*x-1)/(x-1)^4$  ogf]  
A253537 5.15012 [  $-256*(16*x^4-28*x^3+10*x^2+3*x-2)/(x-1)/(8*x^2-1)/(8*x^2-7*x+1)$  ogf]  
A253546 5.06734 [  $\{-a(n+3)+675*a(n+2)-675*a(n+1)+a(n), a(0) = 1, a(1) = 547, a(2) = 368551\}$ , ogf]  
A253546 5.23767 [  $-(-x^4+256*x^3-85728*x^2+1348*x-547)/(-x^5+803*x^4-87076*x^3+87076*x^2-803*x+1)$  lgdogf]  
A253546 9.30273 [  $-(x^2-128*x+1)/(x-1)/(x^2-674*x+1)$  ogf]  
A253547 10.2776 [  $-x^3*(2*x^5-4*x^4+3*x^2+x+1)/(x+1)/(x-1)^3$  ogf]  
A253579 4.96982 [  $-(x^4+22800*x^3-435482*x^2+22800*x+1)/(x-1)/(x^2-1442*x+1)/(x^2+1442*x+1)$  ogf]  
A253599 5.93183 [  $-(x^4+840*x^3-21842*x^2+840*x+1)/(x-1)/(x^2-254*x+1)/(x^2+254*x+1)$  ogf]  
A253621 10.9843 [  $-(x^2-7*x+1)/(x-1)/(x^2-12*x+1)$  ogf]  
A253621 6.01751 [  $\{-a(n+3)+13*a(n+2)-13*a(n+1)+a(n), a(0) = 1, a(1) = 6, a(2) = 66\}$ , ogf]  
A253621 6.59061 [  $-(-x^4+14*x^3-81*x^2+24*x-6)/(-x^5+20*x^4-105*x^3+105*x^2-20*x+1)$  lgdogf]  
A253622 4.73733 [  $\{-a(n+3)+143*a(n+2)-143*a(n+1)+a(n), a(0) = 1, a(1) = 106, a(2) = 15016\}$ , ogf]  
A253622 8.75688 [  $-(x^2-37*x+1)/(x-1)/(x^2-142*x+1)$  ogf]  
A253625 5.25136 [  $-(-2*x^7+x^6+2*x^5-2*x^4+2*x^2-4*x+1)/(x^8-x^7+x^6+x^2-x+1)$  ogf\_with\_Euler\_transform]  
A253626 5.14806 [  $-(2*x^9-x^8+x^6+x^5+x^3-x^2+2*x+1)/(-x^{10}-x^8-x^6-x^4-x^2-1)$  ogf\_with\_Euler\_transform]  
A253636 3.84212 [  $-(x+1)*(x^6+246*x^5+4047*x^4+11572*x^3+4047*x^2+246*x+1)/(x-1)^{11}$  ogf]  
A253637 4.23410 [  $(x^8+502*x^7+14608*x^6+88234*x^5+156190*x^4+88234*x^3+14608*x^2+502*x+1)/(x-1)^{12}$  ogf]  
A253654 12.1615 [  $-(x^2-3*x+1)/(x^2-8*x+1)/(x-1)$  ogf]  
A253654 6.56504 [  $\{-a(n+3)+9*a(n+2)-9*a(n+1)+a(n), a(0) = 1, a(1) = 6, a(2) = 46\}$ , ogf]  
A253654 7.27304 [  $-(-x^4+6*x^3-21*x^2+16*x-6)/(-x^5+12*x^4-37*x^3+37*x^2-12*x+1)$  lgdogf]  
A253665 3.40552 [  $\{(-192*n^2-192*n)*a(n)+(80*n^2+320*n+272)*a(n+1)+(12*n^2-68)*a(n+2)+(-5*n^2-15*n)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 48\}$ , ogf]

A253665 8.55251 [  $-( -256x^3+64x^2+16x+2)/(-256x^4+32x^3+32x^2-2x-1)$   
lgdogf ]  
A253671 5.50440 [  $(x^{14}-x^{13}+x^{12}-x^{11}+x^{10}+x^9+x^7+x^6+x^4+x^2+1)/$   
 $(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A253673 7.45604 [  $(3x-1)(5x^2+18x+1)/(x-1)/(x^2-10x+1)/(x^2+10x+1)$  ogf ]  
A253674 7.48445 [  $-(x^2+14x+1)(x^2-5x+1)/(x-1)/(x^2-10x+1)/(x^2+10x+1)$  ogf ]  
A253675 6.02925 [  $-(x^4+360x^3-3722x^2+360x+1)/(x-1)/(x^2-98x+1)/(x^2+98x$   
 $+1)$  ogf ]  
A253679 18.5318 [  $-(x^2-26x-23)/(x-1)^4$  ogf ]  
A253679 19.0690 [  $-( -2x^2+76x+118)/(-x^3+27x^2-3x-23)$  lgdogf ]  
A253679 6.26552 [  $\{(-23n-92)a(n+4)+(109-3n)a(n+3)+(130+27n)a(n+2)+(-3-$   
 $n)a(n+1), a(0) = 23, a(1) = 118, a(2) = 333, a(3) = 716\}$ , ogf ]  
A253680 3.77614 [  $\{(-46n^2-363n-716)a(n+1)+(92n^2+644n+1655)a(n$   
 $+2)+(-46n^2-281n-429)a(n+3), a(0) = 204, a(1) = 2940, a(2) = 16296\}$ , ogf ]  
A253680 7.08917 [  $12^*(x+1)^*(17x^2+126x+17)/(x-1)^6$  ogf ]  
A253680 8.73781 [  $-(51x^3+623x^2+1001x+245)/(17x^4+126x^3-126x-17)$  lgdogf ]  
A253687 7.48968 [  $(4x^8-2x^6-5x^5-6x^4-5x^3-3x^2-2x-1)/(x+1)/(x^2+1)/$   
 $(x-1)^3$  ogf ]  
A253688 8.07527 [  $-(2x^8-2x^7-2x^6+2x^5+4x^4+3x^3+2x^2+2x+1)/(x+1)/$   
 $(x-1)^3$  ogf ]  
A253689 6.04296 [  $-(x^4+315x^3-5168x^2+315x+1)/(x-1)/(x^2-110x+1)/(x^2+110x$   
 $+1)$  ogf ]  
A253707 11.3922 [  $(x^2+30x+17)/(x-1)^4$  ogf ]  
A253707 11.7224 [  $-( -2x^2-92x-98)/(-x^3-29x^2+13x+17)$  lgdogf ]  
A253707 3.87008 [  $\{(17n+68)a(n+4)+(-59+13n)a(n+3)+(-150-29n)a(n+2)+(-3-$   
 $n)a(n+1), a(0) = 17, a(1) = 98, a(2) = 291, a(3) = 644\}$ , ogf ]  
A253708 5.88016 [  $-(323x^4+5236x^3+11922x^2+5236x+323)/(x-1)^7$  ogf ]  
A253714 4.99125 [  $-(x^4+2856x^3-21842x^2+2856x+1)/(x-1)/(x^2-254x+1)/$   
 $(x^2+254x+1)$  ogf ]  
A253715 6.35424 [  $(2159x^3+32257x^2-2159x-1)/(x-1)/(x^2-254x+1)/(x^2+254x$   
 $+1)$  ogf ]  
A253724 4.52033 [  $-3*(x^7-8x^6+27x^5-216x^4-1521x^3-3272x^2-1563x-168)/$   
 $(x-1)^8$  ogf ]  
A253742 5.86131 [  $-9*(12x^4-40x^3+51x^2-31x+9)/(3x-1)/(2x-1)^2/(x-1)^2$   
ogf ]  
A253778 5.27220 [  $-x*(x^7+5x^6+60x^5+69x^4+147x^3+36x^2+8x-2)/(x+1)^4/$   
 $(x-1)^5$  ogf ]  
A253779 4.14661 [  $6^*x*(x^8+29x^7+55x^6+241x^5+158x^4+241x^3+55x^2+29x+1)/$   
 $(x+1)^5/(x-1)^6$  ogf ]  
A253811 10.4908 [  $-(x^2+6x-19)/(x^3-3x^2-17x+3)$  lgdogf ]  
A253811 15.3865 [  $(x+3)/(x^2-6x+1)$  ogf ]  
A253811 8.34208 [  $\{-a(n+2)+6a(n+1)-a(n), a(0) = 3, a(1) = 19\}$ , ogf ]  
A253821 6.50290 [  $-(x^4+180x^3-746x^2+180x+1)/(x-1)/(x^2-34x+1)/(x^2+34x+1)$   
ogf ]  
A253822 7.09763 [  $(255x^3+577x^2-255x-1)/(x-1)/(x^2-34x+1)/(x^2+34x+1)$  ogf ]  
A253823 4.96982 [  $-(x^4+97920x^3-390050x^2+97920x+1)/(x-1)/(x^2-1154x+1)/$   
 $(x^2+1154x+1)$  ogf ]  
A253826 11.7882 [  $(17x-1)/(x-1)/(x^2-34x+1)$  ogf ]  
A253826 5.64221 [  $\{a(n+3)-35a(n+2)+35a(n+1)-a(n), a(0) = 1, a(1) = 18, a(2) =$   
 $595\}$ , ogf ]  
A253826 7.25426 [  $-(34x^3-598x^2+70x-18)/(17x^4-596x^3+630x^2-52x+1)$   
lgdogf ]  
A253852 7.79017 [  $-(6x^9+4x^8+3x^7+4x^6+3x^5+2x^4+x^3+x^2+x+1)/(12x^{10}-1)$   
ogf ]  
A253878 11.1702 [  $-(x^2+5x+1)/(x^2-16x+1)/(x-1)$  ogf ]  
A253878 6.01471 [  $\{a(n+3)-17a(n+2)+17a(n+1)-a(n), a(0) = 1, a(1) = 22, a(2) =$   
 $358\}$ , ogf ]  
A253878 6.76655 [  $-( -x^4-10x^3+99x^2+32x-22)/(-x^5+12x^4+67x^3-67x^2-12x$   
 $+1)$  lgdogf ]  
A253879 12.4202 [  $(8x-1)/(x^2-16x+1)/(x-1)$  ogf ]  
A253879 5.88888 [  $\{a(n+3)-17a(n+2)+17a(n+1)-a(n), a(0) = 1, a(1) = 9, a(2) =$

136}], ogf]

A253879 7.67539 [  $-(16x^3-139x^2+34x-9)/(8x^4-137x^3+153x^2-25x+1)$  lgdogf]

A253880 13.7007 [  $-(x-1)/(x^2-254x+1)$  ogf]

A253880 7.48757 [  $\{a(n+2)-254a(n+1)+a(n), a(0) = 1, a(1) = 253\}$ , ogf]

A253880 9.19901 [  $-(x^2+2x-253)/(-x^3+255x^2-255x+1)$  lgdogf]

A253895 6.72313 [  $-(x^{12}-2x^{10}-x^8+2x^6+2x^5+2x^4+x^3+2x^2+1)/(x^2+1)/(x-1)^3$  ogf]

A253896 5.96972 [  $-x^3*(2x^{10}-4x^9+2x^8-2x^7+2x^5+2x^4+2x^3+2x^2+x+1)/(x+1)/(x^2+1)/(x-1)^3$  ogf]

A253909 11.5771 [  $-(x^2+4x+1)/(-x^4+5x^3-6x^2+3x-1)$  lgdogf]

A253909 12.0804 [  $(x^3-4x^2+2x-1)/(x-1)^3$  ogf]

A253909 6.31476 [  $\{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 9\}$ , ogf]

A253918 11.0723 [  $-1/4x^2-1/4+1/4*(x^4+2x^2+8x+1)^{1/2}$  revogf]

A253918 4.86100 [  $\{(8n+12)a(n+1)+(4n+12)a(n+2)+(-n-6)a(n+4), a(0) = 1, a(1) = 2, a(2) = 1, a(3) = 4\}$ , ogf]

A253920 6.09941 [  $(4x^5+34x^4+721x^3-34x^2-4x-1)/(x-1)/(x^6-1442x^3+1)$  ogf]

A253921 6.81097 [  $-(x^4+50x^3-262x^2+50x+1)/(x-1)/(x^2-22x+1)/(x^2+22x+1)$  ogf]

A253922 7.39686 [  $(55x^3+241x^2-55x-1)/(x-1)/(x^2-22x+1)/(x^2+22x+1)$  ogf]

A253923 5.42498 [  $-(x^4+7700x^3-20242x^2+7700x+1)/(x-1)/(x^2-482x+1)/(x^2+482x+1)$  ogf]

A253942 12.1603 [  $3/(x-1)^6$  ogf]

A253942 29.5322 [  $6/(-x+1)$  lgdogf]

A253942 63.1251 [[6] ogf\_with\_Euler\_transform]

A253942 7.87525 [  $\{(-n-2)a(n+2)+(7+n)a(n+1), a(0) = 3, a(1) = 18\}$ , ogf]

A253943 10.1211 [  $-3/(x-1)^7$  ogf]

A253943 27.8331 [  $7/(-x+1)$  lgdogf]

A253943 59.4407 [[7] ogf\_with\_Euler\_transform]

A253943 7.42215 [  $\{(-n-2)a(n+2)+(8+n)a(n+1), a(0) = 3, a(1) = 21\}$ , ogf]

A253944 27.4784 [  $8/(-x+1)$  lgdogf]

A253944 58.6420 [[8] ogf\_with\_Euler\_transform]

A253944 7.32756 [  $\{(-n-2)a(n+2)+(9+n)a(n+1), a(0) = 3, a(1) = 24\}$ , ogf]

A253944 8.94644 [  $3/(x-1)^8$  ogf]

A253945 11.7117 [  $6/(x-1)^6$  ogf]

A253945 28.4428 [  $6/(-x+1)$  lgdogf]

A253945 60.7619 [[6] ogf\_with\_Euler\_transform]

A253945 7.58474 [  $\{(-n-2)a(n+2)+(7+n)a(n+1), a(0) = 6, a(1) = 36\}$ , ogf]

A253946 10.2171 [  $-6/(x-1)^7$  ogf]

A253946 28.0970 [  $7/(-x+1)$  lgdogf]

A253946 59.9840 [[7] ogf\_with\_Euler\_transform]

A253946 7.49252 [  $\{(-n-2)a(n+2)+(8+n)a(n+1), a(0) = 6, a(1) = 42\}$ , ogf]

A253947 28.4686 [  $8/(-x+1)$  lgdogf]

A253947 60.7552 [[8] ogf\_with\_Euler\_transform]

A253947 7.59162 [  $\{(-n-2)a(n+2)+(9+n)a(n+1), a(0) = 6, a(1) = 48\}$ , ogf]

A253947 9.26884 [  $6/(x-1)^8$  ogf]

A254006 11.8560 [  $\{a(n+2)-3a(n), a(0) = 1, a(1) = 0\}$ , ogf]

A254006 20.7480 [  $6x/(-3x^2+1)$  lgdogf]

A254006 29.8772 [  $-1/(3x^2-1)$  ogf]

A254007 3.87332 [  $-(x^6+2x^5+2x^4-3x^3-3x^2+x+1)/(x^2+x-1)/(2x^2-1)^2$  ogf]

A254011 11.0030 [  $(x^6-x^3+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]

A254011 18.0295 [  $-x^{17}+x^8+x^5+x^4$  ogf\_with\_Euler\_transform]

A254028 10.1816 [  $-2*(13x^2-13x+3)/(2x-1)/(3x-1)/(x-1)$  ogf]

A254028 5.66626 [  $\{-a(n+3)+6a(n+2)-11a(n+1)+6a(n), a(0) = 6, a(1) = 10, a(2) = 20\}$ , ogf]

A254029 11.7341 [  $-(4x+31246)/(4x^2+15617x-15621)$  lgdogf]

A254029 14.3683 [  $(4x+15621)/(x-1)^2$  ogf]

A254029 7.82276 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 15621, a(1) = 31246\}$ , ogf]

A254030 7.02783 [  $-2*(77x^3-100x^2+40x-5)/(x-1)/(3x-1)/(2x-1)/(4x-1)$  ogf]

A254031 5.60251 [  $-(1044x^4-1604x^3+855x^2-190x+15)/(x-1)/(4x-1)/(3x-1)/$

$(2*x-1)/(5*x-1)$  ogf]  
A254056 5.34990 [  $-(10*x^8+7*x^7+4*x^6+13*x^5+8*x^4+5*x^3+3*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A254058 5.37115 [  $-(x^{23}-x^{22}+x^{11}+x^{10}-2*x^9-x^8-x^7-2*x^6-x^5-x^4-2*x^3-x^2-2*x-2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A254065 4.55933 [  $-(5*x^8-3*x^7+4*x^6-3*x^5-2*x^4+4*x^3+2*x^2+x+1)/(x-1)/(x+1)/(x^2-x+1)/(x^6-x^3+1)$  ogf]  
A254076 11.6641 [  $(9*x^3+x^2-1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A254076 5.74369 [  $\{-a(n+4)+2*a(n+3)+a(n+2)-2*a(n+1), a(0) = -1, a(1) = -2, a(2) = -4, a(3) = 1\}$ , ogf]  
A254076 7.22064 [  $-(11*x^4+36*x^3-31*x^2+2)/(18*x^6-7*x^5-19*x^4+5*x^3+2*x^2+2*x-1)$  lgdogf]  
A254124 11.3565 [  $-(5*x^2-8*x+1)/(5*x^3-24*x^2+12*x-1)$  ogf]  
A254124 6.622141 [  $\{-a(n+3)+12*a(n+2)-24*a(n+1)+5*a(n), a(0) = 1, a(1) = 4, a(2) = 29\}$ , ogf]  
A254124 6.56387 [  $(-(-25*x^4+80*x^3-147*x^2+38*x-4)/(-25*x^5+160*x^4-257*x^3+125*x^2-20*x+1)$  lgdogf]  
A254125 6.16612 [  $-(16*x^4-92*x^3+86*x^2-22*x+1)/(32*x^5-248*x^4+396*x^3-202*x^2+30*x-1)$  ogf]  
A254136 6.62917 [  $-(x^4+72*x^3-338*x^2+72*x+1)/(x-1)/(x^2-34*x+1)/(x^2+34*x+1)$  ogf]  
A254137 7.03829 [  $(51*x^3+577*x^2-51*x-1)/(x-1)/(x^2-34*x+1)/(x^2+34*x+1)$  ogf]  
A254138 4.92697 [  $-(x^4+7956*x^3-154634*x^2+7956*x+1)/(x-1)/(x^2-1154*x+1)/(x^2+1154*x+1)$  ogf]  
A254142 14.7950 [  $(-(-80*x-19)/(-8*x^2+7*x+1)$  lgdogf]  
A254142 4.80356 [  $\{(n+3)*a(n+3)+(-5+7*n)*a(n+2)+(-88-8*n)*a(n+1), a(0) = 1, a(1) = 19, a(2) = 154\}$ , ogf]  
A254142 5.47961 [  $-(8*x+1)/(x-1)^{11}$  ogf]  
A254144 4.47854 [  $-(8028*x^5-13916*x^4+8939*x^3-2695*x^2+385*x-21)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A254145 3.58418 [  $-4*(17316*x^6-32926*x^5+24199*x^4-8911*x^3+1750*x^2-175*x+7)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A254146 3.49225 [  $-12*(55308*x^7-113262*x^6+92327*x^5-39312*x^4+9527*x^3-1323*x^2+98*x-3)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(8*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A254150 3.23433 [  $-(x^2-4*x+1)/(5*x^3-24*x^2+12*x-1)$  ogf]  
A254151 2.58048 [  $-(4*x^4-28*x^3+36*x^2-14*x+1)/(32*x^5-248*x^4+396*x^3-202*x^2+30*x-1)$  ogf]  
A254228 6.41033 [  $-(x^4+40*x^3-178*x^2+40*x+1)/(x-1)/(x^2+18*x+1)/(x^2-18*x+1)$  ogf]  
A254229 6.96175 [  $(45*x^3+161*x^2-45*x-1)/(x-1)/(x^2+18*x+1)/(x^2-18*x+1)$  ogf]  
A254230 5.03911 [  $-(x^4+4140*x^3-22538*x^2+4140*x+1)/(x-1)/(x^2-322*x+1)/(x^2+322*x+1)$  ogf]  
A254282 19.8822 [  $27*x^3-9*x^2+x$  revogf]  
A254282 6.18975 [  $\{(-27*n-45)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 9\}$ , ogf]  
A254283 6.67601 [  $-(x^4+30*x^3-110*x^2+30*x+1)/(x-1)/(x^2-14*x+1)/(x^2+14*x+1)$  ogf]  
A254284 7.32910 [  $(35*x^3+97*x^2-35*x-1)/(x-1)/(x^2-14*x+1)/(x^2+14*x+1)$  ogf]  
A254285 5.68230 [  $-(x^4+1890*x^3-13190*x^2+1890*x+1)/(x-1)/(x^2+194*x+1)/(x^2-194*x+1)$  ogf]  
A254286 12.5355 [  $-65536*x^4+4096*x^3-96*x^2+x$  revogf]  
A254286 5.52024 [  $\{(-256*n-448)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 96\}$ , ogf]  
A254287 5.32166 [  $\{(-3125*n-5625)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 1250\}$ , ogf]  
A254308 10.6791 [  $x*(x^4-x^3+2*x^2+x+1)/(x^6-4*x^3+1)$  ogf]  
A254316 8.68903 [  $-1/2*(x^2+(x^4+6*x^2-4*x+1)^{1/2}-2*x-1)/(x+2)$  revogf]  
A254322 21.0717 [  $10/(-11*x+1)$  lgdegf]  
A254322 6.94671 [  $\{(-11*n-21)*a(n+1)+a(n+2), a(0) = 1, a(1) = 10\}$ , ogf]  
A254332 8.23066 [  $(2*x^3+19*x^2-2*x-1)/(x-1)/(x^2+6*x-1)/(x^2-6*x-1)$  ogf]  
A254333 6.62917 [  $-(x^4+15*x^3-302*x^2+15*x+1)/(x-1)/(x^2+38*x+1)/(x^2-38*x+1)$  ogf]

A254362 11.7396 [  $-(47x^2-45x+10)/(2x-1)/(3x-1)/(x-1)$  ogf]  
A254362 6.57822 [  $\{-a(n+3)+6a(n+2)-11a(n+1)+6a(n), a(0) = 10, a(1) = 15, a(2) = 27\}$ , ogf]  
A254363 11.3264 [  $-(342x^3-427x^2+165x-20)/(x-1)/(3x-1)/(2x-1)/(4x-1)$  ogf]  
A254364 6.10450 [  $-(2754x^4-4081x^3+2107x^2-455x+35)/(x-1)/(4x-1)/(3x-1)/(2x-1)/(5x-1)$  ogf]  
A254365 11.7396 [  $-(74x^2-69x+15)/(2x-1)/(3x-1)/(x-1)$  ogf]  
A254365 6.57822 [  $\{-a(n+3)+6a(n+2)-11a(n+1)+6a(n), a(0) = 15, a(1) = 21, a(2) = 35\}$ , ogf]  
A254366 8.30325 [  $-(638x^3-777x^2+294x-35)/(x-1)/(3x-1)/(2x-1)/(4x-1)$  ogf]  
A254367 6.15999 [  $-2*(2972x^4-4302x^3+2177x^2-462x+35)/(x-1)/(4x-1)/(3x-1)/(2x-1)/(5x-1)$  ogf]  
A254368 15.3333 [  $-(107x^2-98x+21)/(x-1)/(3x-1)/(2x-1)$  ogf]  
A254368 8.50420 [  $\{-642x^4+1176x^3-814x^2+248x-28\}/(-642x^5+1765x^4-1846x^3+926x^2-224x+21)$  lgdogf]  
A254368 8.72414 [  $\{-a(n+3)+6a(n+2)-11a(n+1)+6a(n), a(0) = 21, a(1) = 28, a(2) = 44\}$ , ogf]  
A254369 11.1496 [  $-2*(533x^3-638x^2+238x-28)/(x-1)/(3x-1)/(2x-1)/(4x-1)$  ogf]  
A254370 6.02979 [  $-6*(1879x^4-2675x^3+1335x^2-280x+21)/(x-1)/(4x-1)/(3x-1)/(2x-1)/(5x-1)$  ogf]  
A254371 12.6802 [  $-(3x^2+18x+9)/(x^3+3x^2-3x-1)$  lgdogf]  
A254371 4.14176 [  $\{(n+3)a(n+4)+(-3+3n)a(n+3)+(-21-3n)a(n+2)+(-3-n)a(n+1), a(0) = 0, a(1) = 8, a(2) = 72, a(3) = 288\}$ , ogf]  
A254371 9.81202 [  $-8x*(x^2+4x+1)/(x-1)^5$  ogf]  
A254372 7.19684 [  $\{-(-2x^{10}+3x^9-2x^7-2x^6+4x^5-2x^4-2x^3+3x-2)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]  
A254373 8.03620 [  $-(x^8+5x^7+4x^6+7x^5+5x^4+7x^3+4x^2+5x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A254374 8.03620 [  $-(x^8+6x^7+7x^6+4x^5+6x^4+4x^3+7x^2+6x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A254375 8.03620 [  $-(x^8+8x^7+4x^6+7x^5+8x^4+7x^3+4x^2+8x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A254381 16.0103 [  $18/(-12x+1)$  lgdegf]  
A254381 5.27812 [  $\{(-12n-30)a(n+1)+a(n+2), a(0) = 1, a(1) = 18\}$ , ogf]  
A254399 7.85265 [  $x*(x-1)*(x^2+2x-2)/(x^2-3x+1)/(x^2+4x-1)/(x^2-x-1)$  ogf]  
A254407 12.5690 [  $x*(4x+7)/(x-1)^4$  ogf]  
A254407 16.3397 [  $-(12x+32)/(4x^2+3x-7)$  lgdogf]  
A254407 5.33977 [  $\{(14+7n)a(n+3)+(-35-3n)a(n+2)+(-12-4n)a(n+1), a(0) = 0, a(1) = 7, a(2) = 32\}$ , ogf]  
A254408 4.69105 [  $\{(-16n^2-48n-36)a(n+1)+(n^2+2n+1)a(n+2), a(0) = 0, a(1) = 8\}$ , ogf]  
A254432 4.48123 [  $(9x^{12}+69x^{11}-60x^{10}+12x^9-5x^7-25x^6-2x^3-2x^2-2x+1)/(3x-1)/(x-1)$  ogf]  
A254443 7.44283 [  $(9x^4+4x^3-136x^2-40x-35)/(x-1)/(x^4-20x^2+1)$  ogf]  
A254460 5.92209 [  $-(64x^5+8x^4+64x^3-x^2-8x-1)/(4x-1)/(x-1)/(x^2+x+1)/(16x^2+4x+1)$  ogf]  
A254463 4.91059 [  $-2*(12276x^5-20578x^4+12831x^3-3766x^2+525x-28)/(x-1)/(6x-1)/(4x-1)/(3x-1)/(2x-1)/(5x-1)$  ogf]  
A254464 3.88924 [  $-6*(40188x^6-74058x^5+52931x^4-19005x^3+3647x^2-357x+14)/(x-1)/(6x-1)/(4x-1)/(3x-1)/(2x-1)/(7x-1)/(5x-1)$  ogf]  
A254465 5.88939 [  $-6*(10036x^5-16454x^4+10065x^3-2905x^2+399x-21)/(x-1)/(6x-1)/(4x-1)/(3x-1)/(2x-1)/(5x-1)$  ogf]  
A254466 3.93178 [  $-6*(110440x^6-199272x^5+139840x^4-49405x^3+9345x^2-903x+35)/(x-1)/(6x-1)/(4x-1)/(3x-1)/(2x-1)/(7x-1)/(5x-1)$  ogf]  
A254467 4.42081 [  $-6*(21310x^5-34383x^4+20750x^3-5920x^2+805x-42)/(x-1)/(6x-1)/(4x-1)/(3x-1)/(2x-1)/(5x-1)$  ogf]  
A254468 3.84392 [  $-6*(259610x^6-461263x^5+319473x^4-111595x^3+20900x^2-2002x+77)/(x-1)/(6x-1)/(4x-1)/(3x-1)/(2x-1)/(7x-1)/(5x-1)$  ogf]  
A254469 11.7496 [  $-(8x^2+38x+14)/(x^3+3x^2-3x-1)$  lgdogf]

A254469 3.85808 [  $\{(n+4)*a(n+4)+(-5+3*n)*a(n+3)+(-44-3*n)*a(n+2)+(-9-n)*a(n+1),$   
 $a(0) = 1, a(1) = 14, a(2) = 96, a(3) = 450\}$ , ogf]  
A254469 5.87480 [  $(x^2+4*x+1)/(x-1)^{10}$  ogf]  
A254470 4.14274 [  $\{(4*n^2+73*n+333)*a(n+1)+(-8*n^2-96*n-226)*a(n+2)+(4*n^2+23*n$   
 $+33)*a(n+3), a(0) = 1, a(1) = 22, a(2) = 198\}$ , ogf]  
A254470 5.00919 [  $-(x+1)*(x^2+10*x+1)/(x-1)^{11}$  ogf]  
A254470 9.70134 [  $-(8*x^3+102*x^2+132*x+22)/(x^4+10*x^3-10*x-1)$  lgdogf]  
A254471 4.27508 [  $(x^4+26*x^3+66*x^2+26*x+1)/(x-1)^{12}$  ogf]  
A254471 6.91205 [  $-(-8*x^4-238*x^3-738*x^2-418*x-38)/(-$   
 $x^5-25*x^4-40*x^3+40*x^2+25*x+1)$  lgdogf]  
A254473 10.0701 [  $(x^3+29*x^2+59*x+7)/(x-1)^4$  ogf]  
A254473 3.82472 [  $\{(622*n^2+2567*n+2646)*a(n+1)+(-6092*n^2-47254*n-104853)*a(n$   
 $+2)+(5470*n^2+30143*n+41199)*a(n+3), a(0) = 7, a(1) = 87, a(2) = 335\}$ , ogf]  
A254473 9.14415 [  $-(x^3+61*x^2+235*x+87)/(x^4+28*x^3+30*x^2-52*x-7)$  lgdogf]  
A254474 13.1256 [  $-x*(27*x+1)/(x-1)^3$  ogf]  
A254474 14.6400 [  $-(-54*x-30)/(-27*x^2+26*x+1)$  lgdogf]  
A254474 6.79716 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 30\}$ ,  
ogf]  
A254527 12.4420 [  $-(x^2+10*x+13)/(x^3+3*x^2-x-3)$  lgdogf]  
A254527 13.4618 [  $-2*(x+3)*(x+1)/(x-1)^3$  ogf]  
A254527 7.20324 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 6, a(1) = 26, a(2) =$   
 $62\}$ , ogf]  
A254594 11.2408 [  $1/(x^2+1)/(x^2+x+1)/(x+1)^3/(x-1)^4$  ogf]  
A254594 25.1009 [  $x*(x^2+x+2)$  ogf\_with\_Euler\_transform]  
A254598 11.8958 [  $-(-7*x^2-14*x-9)/(-7*x^3-15*x^2-7*x+1)$  lgdogf]  
A254598 17.4472 [  $-(x+1)/(7*x^2+8*x-1)$  ogf]  
A254598 9.57468 [  $\{a(n+2)-8*a(n+1)-7*a(n), a(0) = 1, a(1) = 9\}$ , ogf]  
A254599 10.7240 [  $-(-8*x^2-16*x-10)/(-8*x^3-17*x^2-8*x+1)$  lgdogf]  
A254599 15.9668 [  $-(x+1)/(8*x^2+9*x-1)$  ogf]  
A254599 8.65671 [  $\{a(n+2)-9*a(n+1)-8*a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A254600 10.4180 [  $-(-9*x^2-18*x-11)/(-9*x^3-19*x^2-9*x+1)$  lgdogf]  
A254600 15.1740 [  $-(x+1)/(9*x^2+10*x-1)$  ogf]  
A254600 8.30958 [  $\{a(n+2)-10*a(n+1)-9*a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
A254601 10.7473 [  $-(-4*x^2-8*x-7)/(-4*x^3-10*x^2-5*x+1)$  lgdogf]  
A254601 15.5239 [  $-(x+1)/(4*x^2+6*x-1)$  ogf]  
A254601 8.51921 [  $\{a(n+2)-6*a(n+1)-4*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A254602 11.2402 [  $-(-5*x^2-10*x-8)/(-5*x^3-12*x^2-6*x+1)$  lgdogf]  
A254602 16.4856 [  $-(x+1)/(5*x^2+7*x-1)$  ogf]  
A254602 9.04695 [  $\{a(n+2)-7*a(n+1)-5*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A254612 5.79398 [  $-(-2*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^9-1)$   
ogf\_with\_Euler\_transform]  
A254613 6.02731 [  $-(-2*x^8+x^7+x^6-3*x^5+x^4+x^3-3*x^2+x+1)/(x^9-1)$   
ogf\_with\_Euler\_transform]  
A254619 16.9780 [  $24/(-16*x+1)$  lgdegf]  
A254619 5.59713 [  $\{(-16*n-40)*a(n+1)+a(n+2), a(0) = 1, a(1) = 24\}$ , ogf]  
A254620 19.7929 [  $54/(-36*x+1)$  lgdegf]  
A254620 6.52514 [  $\{(-36*n-90)*a(n+1)+a(n+2), a(0) = 1, a(1) = 54\}$ , ogf]  
A254626 7.79307 [  $-(x^2+1)*(x+1)^2/(x-1)/(x^2+4*x-1)/(x^2-4*x-1)$  ogf]  
A254627 8.17669 [  $(x^3+9*x^2-x-1)/(x-1)/(x^2+4*x-1)/(x^2-4*x-1)$  ogf]  
A254628 7.18083 [  $-(x^4+5*x^3-52*x^2+5*x+1)/(x-1)/(x^2+18*x+1)/(x^2-18*x+1)$  ogf]  
A254633 13.9961 [hypergeom([1/2, 3/2],[3],64\*x) ogf]  
A254633 5.55399 [  $\{(-64*n^2-256*n-240)*a(n+1)+(n^2+6*n+8)*a(n+2), a(0) = 1, a(1)$   
 $= 16\}$ , ogf]  
A254640 4.56536 [  $(x+1)*(x^4+56*x^3+246*x^2+56*x+1)/(x-1)^{10}$  ogf]  
A254641 3.85423 [  $-(x^6+120*x^5+1191*x^4+2416*x^3+1191*x^2+120*x+1)/(x-1)^{11}$   
ogf]  
A254644 3.75844 [  $(x^4+26*x^3+66*x^2+26*x+1)/(x-1)^{10}$  ogf]  
A254652 6.75567 [  $-(x^2+7*x+1)*(x^2-4*x+1)/(x-1)/(x^4-110*x^2+1)$  ogf]  
A254653 8.08489 [  $(2*x^3+55*x^2-2*x-1)/(x-1)/(x^4-110*x^2+1)$  ogf]  
A254654 6.08667 [  $-(x^4+21*x^3-548*x^2+21*x+1)/(x-1)/(x^2-110*x+1)/(x^2+110*x+1)$   
ogf]

A254657 10.6558  $[-(-6*x^2-12*x-9)/(-6*x^3-14*x^2-7*x+1) \text{ lgdogf}]$   
A254657 15.6285  $[-(x+1)/(6*x^2+8*x-1) \text{ ogf}]$   
A254657 8.57663  $[{a(n+2)-8*a(n+1)-6*a(n), a(0) = 1, a(1) = 9}], \text{ ogf}]$   
A254658 11.3655  $[-(-4*x^2-8*x-8)/(-4*x^3-11*x^2-6*x+1) \text{ lgdogf}]$   
A254658 16.4169  $[-(x+1)/(4*x^2+7*x-1) \text{ ogf}]$   
A254658 9.00926  $[{a(n+2)-7*a(n+1)-4*a(n), a(0) = 1, a(1) = 8}], \text{ ogf}]$   
A254659 10.6097  $[-(-5*x^2-10*x-9)/(-5*x^3-13*x^2-7*x+1) \text{ lgdogf}]$   
A254659 15.5609  $[-(x+1)/(5*x^2+8*x-1) \text{ ogf}]$   
A254659 8.53951  $[{a(n+2)-8*a(n+1)-5*a(n), a(0) = 1, a(1) = 9}], \text{ ogf}]$   
A254660 10.7703  $[-(-2*x^2-4*x-7)/(-2*x^3-8*x^2-5*x+1) \text{ lgdogf}]$   
A254660 15.3178  $[-(x+1)/(2*x^2+6*x-1) \text{ ogf}]$   
A254660 8.40612  $[{a(n+2)-6*a(n+1)-2*a(n), a(0) = 1, a(1) = 7}], \text{ ogf}]$   
A254662 11.2704  $[-(-3*x^2-6*x-8)/(-3*x^3-10*x^2-6*x+1) \text{ lgdogf}]$   
A254662 16.2795  $[-(x+1)/(3*x^2+7*x-1) \text{ ogf}]$   
A254662 8.93385  $[{a(n+2)-7*a(n+1)-3*a(n), a(0) = 1, a(1) = 8}], \text{ ogf}]$   
A254663 11.3982  $[-(-2*x^2-4*x-8)/(-2*x^3-9*x^2-6*x+1) \text{ lgdogf}]$   
A254663 16.2108  $[-(x+1)/(2*x^2+7*x-1) \text{ ogf}]$   
A254663 8.89616  $[{a(n+2)-7*a(n+1)-2*a(n), a(0) = 1, a(1) = 8}], \text{ ogf}]$   
A254664 13.8469  $[-(x+1)/(3*x^2+8*x-1) \text{ ogf}]$   
A254664 7.59893  $[{a(n+2)-8*a(n+1)-3*a(n), a(0) = 1, a(1) = 9}], \text{ ogf}]$   
A254664 9.58634  $[-(-3*x^2-6*x-9)/(-3*x^3-11*x^2-7*x+1) \text{ lgdogf}]$   
A254667 13.1563  $[x*(x^2-2*x+2)/(x-1)^2 \text{ ogf}]$   
A254667 17.0433  $[2/(-x^3+3*x^2-4*x+2) \text{ lgdogf}]$   
A254667 6.63635  $[{a(n+4)-2*a(n+3)+a(n+2), a(0) = 0, a(1) = 2, a(2) = 2, a(3) = 3}], \text{ ogf}]$   
A254674 7.04045  $[-(x^4+9*x^3-38*x^2+9*x+1)/(x-1)/(x^2-8*x+1)/(x^2+8*x+1) \text{ ogf}]$   
A254675 7.57747  $[(12*x^3+31*x^2-12*x-1)/(x-1)/(x^2-8*x+1)/(x^2+8*x+1) \text{ ogf}]$   
A254676 6.43450  $[-(x^4+234*x^3-1238*x^2+234*x+1)/(x-1)/(x^2-62*x+1)/(x^2+62*x+1) \text{ ogf}]$   
A254681 3.46944  $[{(4*n^2+65*n+264)*a(n+1)+(-8*n^2-88*n-207)*a(n+2)+(4*n^2+23*n+33)*a(n+3), a(0) = 1, a(1) = 21, a(2) = 176}], \text{ ogf}]$   
A254681 4.52004  $[(x+1)*(x^2+10*x+1)/(x-1)^{10} \text{ ogf}]$   
A254681 8.22879  $[-(7*x^3+91*x^2+121*x+21)/(x^4+10*x^3-10*x-1) \text{ lgdogf}]$   
A254682 3.88428  $[-(x^4+26*x^3+66*x^2+26*x+1)/(x-1)^{11} \text{ ogf}]$   
A254685 17.7336  $[1/(x^5-x^3-x^2-x+1) \text{ ogf}]$   
A254685 9.97516  $[-(-5*x^4+3*x^2+2*x+1)/(-x^5+x^3+x^2+x-1) \text{ lgdogf}]$   
A254699 7.09972  $[-(-x^4+6*x^3-42*x^2-130*x-133)/(-x^5+6*x^4-24*x^3-4*x^2+x+22) \text{ lgdogf}]$   
A254699 7.46195  $[-(x^4-5*x^3+19*x^2+23*x+22)/(x-1)^5 \text{ ogf}]$   
A254700 6.03791  $[-(x^5-6*x^4+30*x^3-24*x^2-63*x-34)/(x-1)^6 \text{ ogf}]$   
A254701 4.76737  $[-(x^6-7*x^5+27*x^4-139*x^3+34*x^2+174*x+54)/(x-1)^7 \text{ ogf}]$   
A254702 4.51930  $[-(x^7-8*x^6+18*x^5-122*x^4+601*x^3-96*x^2-452*x-86)/(x-1)^8 \text{ ogf}]$   
A254703 3.96373  $[-(x^7-8*x^6+20*x^5+204*x^4+873*x^3-1604*x^2-1222*x-136)/(x-1)^8 \text{ ogf}]$   
A254704 4.15452  $[-(x^7-8*x^6+48*x^5+472*x^4-1163*x^3-6804*x^2-2846*x-212)/(x-1)^8 \text{ ogf}]$   
A254705 3.34398  $[-(x^8-9*x^7+56*x^6-614*x^5-6817*x^4-2133*x^3+17962*x^2+6100*x+334)/(x-1)^9 \text{ ogf}]$   
A254707 8.69937  $[(2*x^2+1)/(x^2+1)/(x^2+x+1)/(x+1)^3/(x-1)^4 \text{ ogf}]$   
A254708 8.86912  $[(x^2+2)/(x^2+1)/(x^2+x+1)/(x+1)^3/(x-1)^4 \text{ ogf}]$   
A254709 7.61366  $[-(x^4+x^3-6*x^2+x+1)/(x-1)/(x^2-4*x+1)/(x^2+4*x+1) \text{ ogf}]$   
A254710 8.27632  $[(x^3+7*x^2-x-1)/(x-1)/(x^2-4*x+1)/(x^2+4*x+1) \text{ ogf}]$   
A254711 6.67006  $[-(x^4+4*x^3-54*x^2+4*x+1)/(x-1)/(x^2-14*x+1)/(x^2+14*x+1) \text{ ogf}]$   
A254729 16.4870  $[(x-1)*(x+1)*(x^2+1)/(x^2+x-1) \text{ ogf}]$   
A254729 6.41163  $[{-a(n+5)+a(n+4)+a(n+3), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 4}], \text{ ogf}]$   
A254729 8.41526  $[-(-2*x^5-3*x^4+4*x^3-2*x-1)/(x^6+x^5-x^4-x^2-x+1) \text{ lgdogf}]$   
A254745 10.1103  $[-(-2*x^3-x^2+4*x-3)/(-x^4+x^3-x+1) \text{ lgdogf}]$   
A254745 13.7348  $[-(x+1)/(x-1)/(x^2-x+1) \text{ ogf}]$   
A254745 22.0018  $[x^5-x^2-2*x+3 \text{ ogf\_with\_Euler\_transform}]$



A254745 6.49949 [ {a(n+3)-2\*a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 4},  
ogf ]  
A254749 11.0905 [ -(2\*x-1)/(x-1)^4 ogf ]  
A254749 14.0941 [ -(2-6\*x)/(-2\*x^2+3\*x-1) lgdogf ]  
A254749 4.51012 [ {(-n-3)\*a(n+3)+(8+3\*n)\*a(n+2)+(-8-2\*n)\*a(n+1), a(0) = 1, a(1) =  
2, a(2) = 2}, ogf ]  
A254757 13.2854 [ (x+17)/(x^2-6\*x+1) ogf ]  
A254757 7.18975 [ {-a(n+2)+6\*a(n+1)-a(n), a(0) = 17, a(1) = 103}, ogf ]  
A254757 8.60745 [ -(x^2+34\*x-103)/(x^3+11\*x^2-101\*x+17) lgdogf ]  
A254758 12.4388 [ (17\*x+1)/(x^2-6\*x+1) ogf ]  
A254758 6.89378 [ {-a(n+2)+6\*a(n+1)-a(n), a(0) = 1, a(1) = 23}, ogf ]  
A254758 8.17406 [ -(17\*x^2+2\*x-23)/(17\*x^3-101\*x^2+11\*x+1) lgdogf ]  
A254759 12.2434 [ -(13\*x-5)/(x^2-6\*x+1) ogf ]  
A254759 6.78551 [ {a(n+2)-6\*a(n+1)+a(n), a(0) = 5, a(1) = 17}, ogf ]  
A254759 8.04567 [ -(-13\*x^2+10\*x-17)/(-13\*x^3+83\*x^2-43\*x+5) lgdogf ]  
A254782 10.4776 [ -(x^2-12\*x+1)/(x-1)/(x^2-22\*x+1) ogf ]  
A254782 5.73133 [ {-a(n+3)+23\*a(n+2)-23\*a(n+1)+a(n), a(0) = 1, a(1) = 11, a(2) =  
231}, ogf ]  
A254782 6.26697 [ -(-x^4+24\*x^3-256\*x^2+44\*x-11)/(-  
x^5+35\*x^4-300\*x^3+300\*x^2-35\*x+1) lgdogf ]  
A254796 5.04435 [ {(4\*n^2+20\*n+25)\*a(n+1)-a(n+3)+4\*a(n+2), a(0) = 1, a(1) = 4,  
a(2) = 25}, ogf ]  
A254847 3.79559 [  
-16\*(256\*x^8+352\*x^7+132\*x^6-80\*x^5-112\*x^4-91\*x^3-66\*x^2-24\*x-12)/  
(4\*x^3-2\*x^2-1)/(4\*x^3+4\*x^2+x-1)/(4\*x^3+2\*x^2+1) ogf ]  
A254855 7.51476 [ -(x^4+x^3-12\*x^2+x+1)/(x-1)/(x^4-26\*x^2+1) ogf ]  
A254856 8.16181 [ (x^3+13\*x^2-x-1)/(x-1)/(x^4-26\*x^2+1) ogf ]  
A254857 7.13745 [ -(x^4+7\*x^3+54\*x^2+7\*x+1)/(x-1)/(x^2+26\*x+1)/(x^2-26\*x+1) ogf ]  
A254869 11.0064 [ -(9\*x^2+42\*x+15)/(x^3+3\*x^2-3\*x-1) lgdogf ]  
A254869 3.57842 [ {(n+4)\*a(n+4)+(-6+3\*n)\*a(n+3)+(-48-3\*n)\*a(n+2)+(-10-n)\*a(n+1),  
a(0) = 1, a(1) = 15, a(2) = 111, a(3) = 561}, ogf ]  
A254869 5.07986 [ -(x^2+4\*x+1)/(x-1)^11 ogf ]  
A254870 4.00462 [ {(4\*n^2+81\*n+410)\*a(n+1)+(-8\*n^2-104\*n-245)\*a(n+2)+(4\*n^2+23\*n  
+33)\*a(n+3), a(0) = 1, a(1) = 23, a(2) = 221}, ogf ]  
A254870 4.54183 [ (x+1)\*(x^2+10\*x+1)/(x-1)^12 ogf ]  
A254870 9.42861 [ -(9\*x^3+113\*x^2+143\*x+23)/(x^4+10\*x^3-10\*x-1) lgdogf ]  
A254871 7.09474 [ -(-9\*x^4-264\*x^3-804\*x^2-444\*x-39)/(-  
x^5-25\*x^4-40\*x^3+40\*x^2+25\*x+1) lgdogf ]  
A254874 9.82921 [ (x^3+x^2+2\*x+1)/(x+1)/(x^2+x+1)/(x-1)^4 ogf ]  
A254875 9.78391 [ (x^3+2\*x^2+x+1)/(x+1)/(x^2+x+1)/(x-1)^4 ogf ]  
A254877 20.3344 [ -x^4+x^3+x^2+2\*x+1 ogf\_with\_Euler\_transform ]  
A254877 7.34852 [ (x^4+x^3+x^2+x+1)/(x^2+1)/(x^2+x+1)/(x+1)^3/(x-1)^4 ogf ]  
A254884 7.62019 [ x\*(3\*x^4-6\*x^3-3\*x^2+6\*x-1)/(x^2-3\*x+1)/(x^2+x-1)/(x^2-x-1)  
ogf ]  
A254895 6.84739 [ -(x^4+12\*x^3-58\*x^2+12\*x+1)/(x-1)/(x^2-10\*x+1)/(x^2+10\*x+1)  
ogf ]  
A254896 6.02925 [ -(x^4+480\*x^3-1762\*x^2+480\*x+1)/(x-1)/(x^2-98\*x+1)/(x^2+98\*x  
+1) ogf ]  
A254962 7.55589 [ -(x^4+x^3-8\*x^2+x+1)/(x-1)/(x^2+4\*x-1)/(x^2-4\*x-1) ogf ]  
A254963 14.3742 [ -x\*(4\*x+7)/(x-1)^3 ogf ]  
A254963 16.7210 [ -(8\*x+25)/(4\*x^2+3\*x-7) lgdogf ]  
A254963 7.31544 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 25},  
ogf ]  
A254964 7.81249 [ -(x^2+4\*x+1)\*(x^2-3\*x+1)/(x-1)/(x^4-22\*x^2+1) ogf ]  
A254965 8.52272 [ (x^3+11\*x^2-x-1)/(x-1)/(x^4-22\*x^2+1) ogf ]  
A254966 6.81301 [ -(x^4+6\*x^3-20\*x^2+6\*x+1)/(x-1)/(x^2-22\*x+1)/(x^2+22\*x+1) ogf ]  
A254971 3.41752 [ -  
(2\*x^10+45\*x^9-96\*x^8+3\*x^7+356\*x^6+328\*x^5+72\*x^4-242\*x^3-146\*x^2-68\*x-121)/(x  
+1)/(x^9-3\*x^8+3\*x^7+4\*x^6+2\*x^5-x^4-4\*x^3+x^2-3\*x+1) ogf ]  
A255020 6.17182 [ -(4\*x^6+34\*x^5+66\*x^4+74\*x^3+63\*x^2+28\*x+26)/  
(2\*x^6+4\*x^5+4\*x^4+3\*x^3+x-1) ogf ]

A255021 4.03752 [  $-(2*x^8+31*x^7+68*x^6+73*x^5-10*x^4-124*x^3-163*x^2-80*x-54)/(x^8+2*x^7+2*x^6-x^5-5*x^4-6*x^3-2*x^2-x+1)$  ogf]  
A255043 10.0765 [  $-(9*x^2+18*x-11)/(9*x^3-x^2-9*x+1)$  lgdogf]  
A255043 14.4577 [  $2*(x+1)/(9*x-1)/(x-1)$  ogf]  
A255043 7.91729 [  $\{-a(n+2)+10*a(n+1)-9*a(n), a(0) = 2, a(1) = 22\}$ , ogf]  
A255047 10.6394 [  $-(2*x^2-1)/(4*x^4-10*x^3+10*x^2-5*x+1)$  lgdogf]  
A255047 14.0520 [  $(2*x^2-2*x+1)/(2*x-1)/(x-1)$  ogf]  
A255047 7.30154 [  $\{-a(n+3)+3*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf]  
A255050 10.1015 [  $-(x^3-4*x^2+6*x-4)/(x^4-4*x^3+6*x^2-4*x+1)$   
ogf\_with\_Euler\_transform]  
A255051 8.31553 [  $-(2*x^7-2*x^6-x^5+x^4-2*x^3-6*x^2-3*x-1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A255052 7.73195 [  $(-x^4+5*x^3-10*x^2+10*x-5)/(-x^5+5*x^4-10*x^3+10*x^2-5*x+1)$   
ogf\_with\_Euler\_transform]  
A255075 7.34981 [  $4*(130*x^4-454*x^3+234*x^2+91*x-52)/(5*x^2-1)/(5*x^2-5*x+1)$   
ogf]  
A255102 5.32391 [  $-(26*x^5-69*x^4+210*x^3-135*x^2+30*x-66)/(x-1)/(x^5-2*x^4+7*x^3-x^2+2*x-1)$  ogf]  
A255103 3.92780 [  $-(66*x^8-172*x^7-69*x^6+438*x^5-1014*x^4+384*x^3+237*x^2-110*x+147)/(x^9-3*x^8+7*x^6-18*x^5+12*x^4+x^3-3*x^2+3*x-1)$  ogf]  
A255108 6.72378 [  $-(3*x^5-17*x^4+39*x^3-45*x^2+28*x-9)/(x-1)^6$  ogf]  
A255109 6.55966 [  $-(x^2-3*x+3)*(6*x^3-18*x^2+20*x-9)/(x-1)^6$  ogf]  
A255110 6.25860 [  $-(11*x^5-78*x^4+237*x^3-360*x^2+270*x-81)/(x-1)^6$  ogf]  
A255111 5.21608 [  $(27*x^7-156*x^6+339*x^5-219*x^4-447*x^3+1050*x^2-836*x+243)/(x-1)^6$  ogf]  
A255112 4.72140 [  $(144*x^8-594*x^7+618*x^6+591*x^5-1272*x^4-728*x^3+3096*x^2-2583*x+729)/(x-1)^6$   
ogf]  
A255113 4.29188 [  $(435*x^9-1354*x^8+564*x^7+1230*x^6+1405*x^5-4614*x^4-1248*x^3+9361*x^2-7965*x+2187)/(x-1)^6$  ogf]  
A255114 3.70713 [  $(1008*x^{10}-2466*x^9-168*x^8+3385*x^7-2967*x^6+11682*x^5-20126*x^4-1050*x^3+28659*x^2-24517*x+6561)/(x-1)^6$  ogf]  
A255115 15.6282 [  $-(x^2+1)/(2*x^3+2*x-1)$  ogf]  
A255115 8.14660 [  $\{a(n+3)-2*a(n+2)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$ , ogf]  
A255115 9.57225 [  $(-2*x^4-4*x^2-2*x-2)/(-2*x^5-4*x^3+x^2-2*x+1)$  lgdogf]  
A255116 15.2012 [  $-(x^2+1)/(3*x^3+3*x-1)$  ogf]  
A255116 7.84063 [  $\{a(n+3)-3*a(n+2)-3*a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]  
A255116 9.31075 [  $(-3*x^4-6*x^2-2*x-3)/(-3*x^5-6*x^3+x^2-3*x+1)$  lgdogf]  
A255117 14.9120 [  $-(x^2+1)/(4*x^3+4*x-1)$  ogf]  
A255117 7.69143 [  $\{a(n+3)-4*a(n+2)-4*a(n), a(0) = 1, a(1) = 4, a(2) = 17\}$ , ogf]  
A255117 9.13358 [  $(-4*x^4-8*x^2-2*x-4)/(-4*x^5-8*x^3+x^2-4*x+1)$  lgdogf]  
A255118 15.2417 [  $-(x^2+1)/(5*x^3+5*x-1)$  ogf]  
A255118 7.86149 [  $\{a(n+3)-5*a(n+2)-5*a(n), a(0) = 1, a(1) = 5, a(2) = 26\}$ , ogf]  
A255118 9.10783 [  $(-5*x^4-10*x^2-2*x-5)/(-5*x^5-10*x^3+x^2-5*x+1)$  lgdogf]  
A255119 13.7520 [  $-(x^2+1)/(6*x^3+6*x-1)$  ogf]  
A255119 7.09313 [  $\{a(n+3)-6*a(n+2)-6*a(n), a(0) = 1, a(1) = 6, a(2) = 37\}$ , ogf]  
A255119 8.21765 [  $(-6*x^4-12*x^2-2*x-6)/(-6*x^5-12*x^3+x^2-6*x+1)$  lgdogf]  
A255138 5.40548 [  $\{-a(n+3)+a(n+2)+4*a(n+1)-4*a(n), a(0) = 2, a(1) = 1, a(2) = 7\}$ ,  
ogf]  
A255138 9.92482 [  $-(2*x^2+x-2)/(x-1)/(2*x+1)/(2*x-1)$  ogf]  
A255152 6.04238 [  $-(26*x^5+38*x^4+27*x^3+45*x^2+6*x+28)/(2*x^6+2*x^5+x^4+3*x^3-x^2+2*x-1)$  ogf]  
A255153 3.44709 [  $-(27*x^{10}+91*x^9+195*x^8+230*x^7+74*x^6-10*x^5+4*x^4-76*x^3-177*x^2-96*x-62)/(x^{11}+3*x^{10}+6*x^9+6*x^8-x^6-4*x^4-7*x^3-2*x^2-x+1)$  ogf]  
A255162 12.6366 [  $-2*(1+12*x)/(12*x^2-12*x-1)$  ogf]  
A255162 7.30789 [  $\{-a(n+2)-12*a(n+1)+12*a(n), a(0) = 2, a(1) = 0\}$ , ogf]  
A255162 8.91993 [  $(-144*x^2-24*x)/(-144*x^3+132*x^2+24*x+1)$  lgdogf]  
A255163 12.4525 [  $-(1+14*x)/(12*x^2-12*x-1)$  ogf]

A255163 7.11573 [ $\{-a(n+2)-12*a(n+1)+12*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A255163 8.30168 [ $\{-(-168*x^2-24*x-2)/(-168*x^3+156*x^2+26*x+1)$  lgdogf]  
A255175 13.8687 [ $\{-(2*x^2+x)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A255176 13.7680 [ $\{a(n+2)-a(n+1), a(0) = 3, a(1) = 4\}$ , ogf]  
A255176 26.7917 [ $\{-(x+3)/(x-1)$  ogf]  
A255176 27.5359 [ $\{-4/(x^2+2*x-3)$  lgdogf]  
A255177 4.58786 [ $\{(x^6+120*x^5+1191*x^4+2416*x^3+1191*x^2+120*x+1)/(x-1)^6$  ogf]  
A255178 4.69334 [ $\{-(x+1)*(x^6+246*x^5+4047*x^4+11572*x^3+4047*x^2+246*x+1)/(x-1)^7$  ogf]  
A255179 3.99381 [ $\{(x^8+502*x^7+14608*x^6+88234*x^5+156190*x^4+88234*x^3+14608*x^2+502*x+1)/(x-1)^8$  ogf]  
A255181 6.19148 [ $\{-(x^6+120*x^5+1191*x^4+2416*x^3+1191*x^2+120*x+1)/(x-1)^5$  ogf]  
A255182 5.11031 [ $\{(x+1)*(x^6+246*x^5+4047*x^4+11572*x^3+4047*x^2+246*x+1)/(x-1)^6$  ogf]  
A255183 3.27768 [ $\{-(x^8+502*x^7+14608*x^6+88234*x^5+156190*x^4+88234*x^3+14608*x^2+502*x+1)/(x-1)^7$  ogf]  
A255184 12.9335 [ $\{-x*(22*x+1)/(x-1)^3$  ogf]  
A255184 14.4258 [ $\{-(-44*x-25)/(-22*x^2+21*x+1)$  lgdogf]  
A255184 6.69769 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 25\}$ , ogf]  
A255185 12.9335 [ $\{-x*(23*x+1)/(x-1)^3$  ogf]  
A255185 14.4258 [ $\{-(-46*x-26)/(-23*x^2+22*x+1)$  lgdogf]  
A255185 6.69769 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 26\}$ , ogf]  
A255186 12.9975 [ $\{-x*(24*x+1)/(x-1)^3$  ogf]  
A255186 14.4972 [ $\{-(-48*x-27)/(-24*x^2+23*x+1)$  lgdogf]  
A255186 6.73085 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 27\}$ , ogf]  
A255187 13.0615 [ $\{-x*(26*x+1)/(x-1)^3$  ogf]  
A255187 14.5686 [ $\{-(-52*x-29)/(-26*x^2+25*x+1)$  lgdogf]  
A255187 6.76400 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 29\}$ , ogf]  
A255211 12.4781 [ $\{x*(4*x+3)/(x-1)^4$  ogf]  
A255211 16.2215 [ $\{-(12*x+16)/(4*x^2-x-3)$  lgdogf]  
A255211 5.33601 [ $\{(6+3*n)*a(n+3)+(-15+n)*a(n+2)+(-12-4*n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 16\}$ , ogf]  
A255220 6.22917 [ $\{(7*x^4-17*x^3+13*x^2-18*x+23)/(x-1)/(x^3+x-1)$  ogf]  
A255221 8.52015 [ $\{(7*x^4-20*x^3+10*x^2-24*x+23)/(x-1)/(x^3+x-1)$  ogf]  
A255222 9.47866 [ $\{-(19*x^3-3*x^2+16*x-22)/(x-1)/(x^3+x-1)$  ogf]  
A255223 9.52380 [ $\{-(28*x^3-3*x^2+25*x-31)/(x-1)/(x^3+x-1)$  ogf]  
A255224 9.52380 [ $\{-(40*x^3-3*x^2+37*x-43)/(x-1)/(x^3+x-1)$  ogf]  
A255225 9.56894 [ $\{-(58*x^3-3*x^2+55*x-61)/(x-1)/(x^3+x-1)$  ogf]  
A255226 9.65921 [ $\{-(85*x^3-3*x^2+82*x-88)/(x-1)/(x^3+x-1)$  ogf]  
A255227 8.93722 [ $\{-(124*x^3-3*x^2+121*x-127)/(x-1)/(x^3+x-1)$  ogf]  
A255236 10.5649 [ $\{-(x^2+10*x-31)/(x^3-x^2-29*x+5)$  lgdogf]  
A255236 15.7300 [ $\{(x+5)/(x^2-6*x+1)$  ogf]  
A255236 8.52829 [ $\{-a(n+2)+6*a(n+1)-a(n), a(0) = 5, a(1) = 31\}$ , ogf]  
A255252 10.9489 [ $\{-(-3*x^3-x^2-x-1)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A255257 10.7888 [ $\{-(3*x^3-x^2+5*x-1)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A255258 3.98736 [ $\{-(-2*x^18-3*x^16-x^15-x^2+x-2)/(x^19+x^18+x^17+x^16+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A255260 11.6136 [ $\{(117*x^12+35*x^10+5*x^5+1)/(x-1)^2$  ogf]  
A255271 16.2167 [ $\{-(-x+4)/(-x^2+2*x-1)$  ogf\_with\_Euler\_transform]  
A255276 4.34675 [ $\{-(128*x^7-128*x^6+36*x^5+49*x^4-56*x^3+20*x^2-1)/(32*x^8+24*x^7-164*x^6+236*x^5-145*x^4+24*x^3+16*x^2-8*x+1)$  ogf]  
A255278 4.84826 [ $\{-(12*x^7+12*x^6+6*x^5-6*x^4+3*x^3-4*x-1)/(x+1)/(12*x^7-8*x^6+2*x^5+2*x^4+9*x^3-2*x^2-4*x+1)$  ogf]  
A255280 5.74812 [ $\{-(16*x^6+16*x^5-12*x^3+7*x^2-2*x-1)/(16*x^7+16*x^6-16*x^4+9*x^3+3*x^2-5*x+1)$  ogf]

A255282 4.08332 [  $-(6*x^9-2*x^8+9*x^7-2*x^5+5*x^4-7*x^3-4*x^2+2*x+1)/(10*x^{10}+22*x^9-11*x^8+31*x^7-24*x^6+3*x^5+18*x^4-21*x^3+5*x-1)$  ogf]  
A255284 12.0448 [  $-(4*x+1)*(x-1)/(4*x-1)/(7*x^2-1)$  ogf]  
A255284 6.55070 [  $\{a(n+3)-4*a(n+2)-7*a(n+1)+28*a(n), a(0) = 1, a(1) = 7, a(2) = 31\}$ , ogf]  
A255284 6.97925 [  $(-(-112*x^4+168*x^3+47*x^2-6*x-7)/(-112*x^5+112*x^4+23*x^3-23*x^2-x+1)$  lgdogf]  
A255296 12.2846 [  $-(2*x+1)*(x-1)/(2*x-1)/(2*x^2+3*x-1)$  ogf]  
A255296 6.63153 [  $\{a(n+3)-5*a(n+2)+4*a(n+1)+4*a(n), a(0) = 1, a(1) = 6, a(2) = 24\}$ , ogf]  
A255296 7.64656 [  $(-(-8*x^4+8*x^3+6*x^2+12*x-6)/(-8*x^5-4*x^4+18*x^3-3*x^2-4*x+1)$  lgdogf]  
A255299 9.39103 [  $-(x-1)*(2*x^6-2*x^5+4*x^4+x^3-x^2+x-1)/(4*x^8-10*x^7+20*x^6-12*x^5+3*x^4+4*x^3-10*x^2+6*x-1)$  ogf]  
A255301 12.4083 [  $-(x-1)*(2*x^2+x+1)/(4*x^4+2*x^3+x^2-4*x+1)$  ogf]  
A255301 6.29031 [  $\{-a(n+4)+4*a(n+3)-a(n+2)-2*a(n+1)-4*a(n), a(0) = 1, a(1) = 4, a(2) = 16, a(3) = 56\}$ , ogf]  
A255301 8.88043 [  $(-8*x^6-8*x^5-4*x^4-16*x^2+4)/(8*x^7-13*x^4+4*x^3-2*x^2+4*x-1)$  lgdogf]  
A255303 11.1218 [  $-(2*x^3+2*x^2-x+1)/(2*x^2+3*x-1)/(2*x^2-2*x+1)$  ogf]  
A255303 6.85100 [  $(-8*x^7-12*x^6+12*x^5-16*x^3+13*x^2-6*x+1)$  lgdogf]  
A255347 13.2558 [  $-x^9+2*x^7-x^5+x^4-2*x^3+x^2+2$  ogf\_with\_Euler\_transform]  
A255347 7.11846 [  $x*(x^2-x+1)*(x^4-x^3+x^2-x+1)*(x+1)^2/(x-1)^2/(x^4+1)^2$  ogf]  
A255353 8.25019 [  $-(x^8-8*x^5-x^3+6*x^2+3*x+2)/(x-1)/(x^2+x+1)/(x^6-7*x^3+1)$  ogf]  
A255365 4.46174 [  $(-x^{37}+2*x^{34}+x^{21}-x^{15}+x^5+2*x^2)/(-x^{38}+x^{32}-x^6+1)$  ogf\_with\_Euler\_transform]  
A255368 17.0063 [  $2*x^5-x^3-2*x^2+x-2$  ogf\_with\_Euler\_transform]  
A255368 5.51285 [  $\{(-n-4)*a(n+1)+(-n-1)*a(n+4), a(0) = 0, a(1) = 1, a(2) = -2, a(3) = 2\}$ , ogf]  
A255368 9.09262 [  $x*(x^2+1)*(x-1)^2/(x+1)^2/(x^2-x+1)^2$  ogf]  
A255371 6.30458 [  $(-180*x^4+459*x^3-297*x^2+198*x-18)/(-90*x^5+189*x^4-208*x^3+129*x^2-21*x+1)$  lgdogf]  
A255371 9.13356 [  $x*(x-1)^2/(10*x-1)/(9*x^3-9*x^2+10*x-1)$  ogf]  
A255372 7.47599 [  $x^2*(x-1)^2/(10*x-1)/(9*x^4-9*x^3+10*x-1)$  ogf]  
A255373 7.62457 [  $x^3*(x-1)^2/(10*x-1)/(9*x^5-9*x^4+10*x-1)$  ogf]  
A255374 7.76904 [  $x^4*(x-1)^2/(10*x-1)/(9*x^6-9*x^5+10*x-1)$  ogf]  
A255375 7.90981 [  $x^5*(x-1)^2/(10*x-1)/(9*x^7-9*x^6+10*x-1)$  ogf]  
A255376 8.04720 [  $x^6*(x-1)^2/(10*x-1)/(9*x^8-9*x^7+10*x-1)$  ogf]  
A255377 8.09155 [  $x^7*(x-1)^2/(10*x-1)/(9*x^9-9*x^8+10*x-1)$  ogf]  
A255378 8.04469 [  $x^8*(x-1)^2/(10*x-1)/(9*x^{10}-9*x^9+10*x-1)$  ogf]  
A255379 7.99728 [  $x^9*(x-1)^2/(10*x-1)/(9*x^{11}-9*x^{10}+10*x-1)$  ogf]  
A255380 7.21977 [  $x^{10}*(x-1)^2/(10*x-1)/(9*x^{12}-9*x^{11}+10*x-1)$  ogf]  
A255381 12.8923 [  $(x-1)^2/(10*x-1)^2$  ogf]  
A255381 18.5121 [  $-18/(-10*x^2+11*x-1)$  lgdogf]  
A255381 6.68492 [  $\{-a(n+3)+20*a(n+2)-100*a(n+1), a(0) = 1, a(1) = 18, a(2) = 261\}$ , ogf]  
A255386 7.08933 [  $-2*x^4*(x-1)^2/(x^2-x+1)/(x^2+x-1)^3$  ogf]  
A255386 8.30900 [  $(-6*x^4-10*x^3+4*x^2-2)/(x^5-x^4-x^3+3*x^2-3*x+1)$  lgdogf]  
A255413 12.9980 [  $(-11*x^3+39*x^2+51*x+19)/(11*x^4+14*x^3-6*x^2-14*x-5)$  lgdogf]  
A255413 17.9497 [  $(11*x^2+14*x+5)/(x+1)/(x-1)^2$  ogf]  
A255413 9.91956 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 5, a(1) = 19, a(2) = 35\}$ , ogf]  
A255414 9.95291 [  $(19*x^8+28*x^7+26*x^6+24*x^5+28*x^4+26*x^3+28*x^2+24*x+7)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A255433 5.85454 [  $\{(-n^3-6*n^2-12*n-9)*a(n+1)+a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
A255442 14.7757 [  $-(3*x+1)*(x-1)/(3*x-1)/(3*x^2-1)$  ogf]  
A255442 7.97627 [  $\{a(n+3)-3*a(n+2)-3*a(n+1)+9*a(n), a(0) = 1, a(1) = 5, a(2) = 15\}$ , ogf]  
A255442 9.10422 [  $(-27*x^4+36*x^3+12*x^2-5)/(-27*x^5+27*x^4+12*x^3-12*x^2-x+1)$

lgdogf]  
 A255444 6.08590 [  $(x-1) \cdot (2x^6+4x^5+7x^4+2x+1) / (4x^9-2x^8-14x^7-11x^6+26x^5-7x^4-8x^3+x^2+4x-1)$  ogf]  
 A255447 10.5616 [  $-(x-1) \cdot (x+1) \cdot (x^2-x-1) / (x^2+x-1) / (11x^3-5x^2-3x+1)$  ogf]  
 A255449 7.66701 [  $-(x-1) \cdot (6x^4+2x^3+x^2-1) / (10x^6+10x^5-15x^4+8x^3-10x^2+6x-1)$  ogf]  
 A255451 15.9533 [  $(x+1) / (8x^4+4x^3-x^2-4x+1)$  ogf]  
 A255451 9.73150 [  $-(24x^4+40x^3+11x^2-2x-5) / (8x^5+12x^4+3x^3-5x^2-3x+1)$  lgdogf]  
 A255453 11.1355 [  $-(4x^3-2x^2+x-1) / (x-1) / (4x^3-6x^2+5x-1)$  ogf]  
 A255455 6.82541 [  $-(8x^7-4x^6+14x^5-12x^4+9x^3-5x^2-x+1) / (8x^8-20x^7+46x^6-56x^5+51x^4-20x^3-6x^2+6x-1)$  ogf]  
 A255457 11.1842 [  $(x-1) \cdot (x^3-x^2+x+1) / (17x^5+15x^4-24x^3+5x-1)$  ogf]  
 A255459 12.2797 [  $-(6x^2-x+1) / (x-1) / (3x-1) / (2x-1)$  ogf]  
 A255459 6.67841 [  $\{a(n+3)-6a(n+2)+11a(n+1)-6a(n), a(0) = 1, a(1) = 5, a(2) = 25\}$ , ogf]  
 A255459 7.39164 [  $-(36x^4-12x^3-7x^2-10x+5) / (36x^5-72x^4+53x^3-23x^2+7x-1)$  lgdogf]  
 A255461 9.45468 [  $-(x-1) \cdot (4x^5-2x^4-6x^3-3x^2+2x+1) / (2x-1) / (x+1) / (4x^5-2x^4-x^2+4x-1)$  ogf]  
 A255463 10.6023 [  $\{-a(n+2)+7a(n+1)-12a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
 A255463 12.9410 [  $-(-12x^2+24x-6) / (-12x^3+19x^2-8x+1)$  lgdogf]  
 A255463 19.1302 [  $-(x-1) / (4x-1) / (3x-1)$  ogf]  
 A255465 12.4118 [  $-(-12x^2-8x-6) / (-12x^3-13x^2+1)$  lgdogf]  
 A255465 17.3765 [  $-(3x+1) / (x+1) / (4x-1)$  ogf]  
 A255465 9.53590 [  $\{a(n+2)-3a(n+1)-4a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
 A255467 15.2953 [  $-(2x+1) \cdot (x-1) / (4x-1) / (2x-1) / (x+1)$  ogf]  
 A255467 8.25678 [  $\{a(n+3)-5a(n+2)+2a(n+1)+8a(n), a(0) = 1, a(1) = 6, a(2) = 26\}$ , ogf]  
 A255467 9.23778 [  $-(-16x^4+16x^3+16x^2+8x-6) / (-16x^5+4x^4+20x^3-5x^2-4x+1)$  lgdogf]  
 A255469 5.70626 [  $-(8x^8+16x^7-20x^6+34x^5-2x^4-15x^3+9x^2-x-1) / (16x^9+24x^8-40x^7+56x^6+2x^5-44x^4+25x^3+x^2-5x+1)$  ogf]  
 A255471 12.4299 [  $-(-48x^3-6x^2+12x+6) / (-24x^4+10x^3+15x^2-1)$  lgdogf]  
 A255471 18.9966 [  $(3x+1) / (x-1) / (2x+1) / (4x-1)$  ogf]  
 A255471 8.90991 [  $\{a(n+3)-3a(n+2)-6a(n+1)+8a(n), a(0) = 1, a(1) = 6, a(2) = 24\}$ , ogf]  
 A255474 11.6708 [  $-(16x^3+8x^2-1) / (4x-1) / (4x^2+2x-1)$  ogf]  
 A255474 5.79218 [  $\{-a(n+4)+6a(n+3)-4a(n+2)-16a(n+1), a(0) = 1, a(1) = 6, a(2) = 24, a(3) = 88\}$ , ogf]  
 A255474 6.79951 [  $-(-64x^4-192x^3+48x^2+24x-6) / (-256x^6-192x^5+64x^4+48x^3-4x^2-6x+1)$  lgdogf]  
 A255476 4.52301 [  $(2x+1) \cdot (6x^8-7x^7+2x^6-7x^5-5x^4-x^3-2x^2+x+1) / (8x^{10}+8x^9+4x^8-15x^7-2x^6+7x^5+9x^4+9x^3-6x^2-3x+1)$  ogf]  
 A255490 11.2503 [  $-(4x^3+4x^2+5x+1) / (2x+1) / (2x-1) / (x^2+1)$  ogf]  
 A255495 2.64859 [  $(4x^2-x+1) / (5x-1) / (x+1) / (x^2-6x+1) / (4x^2+4x-1)$  ogf]  
 A255499 10.0389 [  $x \cdot (x^3-3x^2-9x-1) / (x-1)^5$  ogf]  
 A255499 11.1407 [  $-(-2x^3+6x^2+42x+14) / (-x^4+4x^3+6x^2-8x-1)$  lgdogf]  
 A255499 5.01944 [  $\{(n^2+9n+14) \cdot a(n+1) + (10n^2+78n+152) \cdot a(n+2) + (-11n^2-39n-34) \cdot a(n+3), a(0) = 0, a(1) = 1, a(2) = 14\}$ , ogf]  
 A255501 3.58509 [  $-x \cdot (x^8+54x^7+242x^6-5354x^5-24240x^4-24406x^3-6434x^2-342x-1) / (x-1)^{10}$  ogf]  
 A255528 12.5596 [  $-(-x^2-x-1) / (-x^4+2x^2-1)$  ogf\_with\_Euler\_transform]  
 A255563 12.2326 [  $-x^9-x^5+x^4+2x^3+x^2+2x-2$  ogf\_with\_Euler\_transform]  
 A255563 7.52830 [  $(x^4-x^3+x^2-x+1) \cdot (x^2-x+1) \cdot x / (x-1)^2 / (x+1)^2 / (x^2+1)^2$  ogf]  
 A255588 5.66467 [  $-x \cdot (36x^{29}-18x^{28}-18x^{27}+12x^{11}-6x^{10}-6x^9+4x^5-2x^4-2x^3+x^2-x-1) / (x^2+x+1) / (x-1)^2$  ogf]  
 A255590 4.87045 [  $-x \cdot (80x^{29}-20x^{28}-20x^{27}-20x^{26}-20x^{25}+16x^9-4x^8-4x^7-4x^6-4x^5+3x^4-$

$x^3-x^2-x-1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A255610 23.9115 [-3/(-x^2+2\*x-1) ogf\_with\_Euler\_transform]  
A255611 22.7195 [-4/(-x^2+2\*x-1) ogf\_with\_Euler\_transform]  
A255612 22.7713 [-5/(-x^2+2\*x-1) ogf\_with\_Euler\_transform]  
A255613 22.3131 [-6/(-x^2+2\*x-1) ogf\_with\_Euler\_transform]  
A255614 23.3991 [-7/(-x^2+2\*x-1) ogf\_with\_Euler\_transform]  
A255618 4.01496 [ -(81\*x^8-216\*x^7+657\*x^6-429\*x^5-386\*x^4+114\*x^3-42\*x^2-17\*x+237)/(x-1)/(x^8-2\*x^7+7\*x^6-x^5-4\*x^4-x^3-2\*x^2-2\*x+1) ogf]  
A255623 4.17542 [ -(3\*x^8-26\*x^7+99\*x^6-216\*x^5+300\*x^4-276\*x^3+162\*x^2-54\*x+9)/(x-1)^9 ogf]  
A255624 4.04724 [ -(2\*x-3)\*(3\*x^7-24\*x^6+87\*x^5-171\*x^4+195\*x^3-130\*x^2+48\*x-9)/(x-1)^9 ogf]  
A255625 3.84054 [ -  
(12\*x^8-135\*x^7+672\*x^6-1790\*x^5+2766\*x^4-2577\*x^3+1458\*x^2-486\*x+81)/(x-1)^9 ogf]  
A255626 3.36409 [   
(27\*x^10-210\*x^9+630\*x^8-680\*x^7-1134\*x^6+5193\*x^5-8522\*x^4+7854\*x^3-4374\*x^2+1458\*x-243)/(x-1)^9 ogf]  
A255630 14.1564 [ -(x^2+1)/(3\*x^3+2\*x-1) ogf]  
A255630 7.37940 [{a(n+3)-2\*a(n+2)-3\*a(n), a(0) = 1, a(1) = 2, a(2) = 5}, ogf]  
A255630 8.67080 [ -(-3\*x^4-7\*x^2-2\*x-2)/(-3\*x^5-5\*x^3+x^2-2\*x+1) lgdogf]  
A255631 15.3358 [ -(x^2+1)/(4\*x^3+3\*x-1) ogf]  
A255631 7.91002 [{a(n+3)-3\*a(n+2)-4\*a(n), a(0) = 1, a(1) = 3, a(2) = 10}, ogf]  
A255631 9.39315 [ -(-4\*x^4-9\*x^2-2\*x-3)/(-4\*x^5-7\*x^3+x^2-3\*x+1) lgdogf]  
A255632 12.6060 [ -(x^2+1)/(5\*x^3+4\*x-1) ogf]  
A255632 6.50202 [{a(n+3)-4\*a(n+2)-5\*a(n), a(0) = 1, a(1) = 4, a(2) = 17}, ogf]  
A255632 7.62583 [ -(-5\*x^4-11\*x^2-2\*x-4)/(-5\*x^5-9\*x^3+x^2-4\*x+1) lgdogf]  
A255633 10.3933 [ -(x^2+1)/(6\*x^3+5\*x-1) ogf]  
A255633 5.36078 [{a(n+3)-5\*a(n+2)-6\*a(n), a(0) = 1, a(1) = 5, a(2) = 26}, ogf]  
A255633 6.21066 [ -(-6\*x^4-13\*x^2-2\*x-5)/(-6\*x^5-11\*x^3+x^2-5\*x+1) lgdogf]  
A255663 4.05269 [   
(x^12-40\*x^11+450\*x^10-2628\*x^9+9657\*x^8-23972\*x^7+41232\*x^6-49400\*x^5+40957\*x^4-23120\*x^3+8656\*x^2-2048\*x+256)/(x-1)^12 ogf]  
A255676 8.19389 [-1/4\*ln(x^2+1)+1/2\*arctan(x)+1/2\*ln(x+1) revegfg]  
A255687 12.5931 [ x\*(x+6)/(x-1)^4 ogf]  
A255687 16.7051 [ -(3\*x+25)/(x^2+5\*x-6) lgdogf]  
A255687 5.38520 [{(12+6\*n)\*a(n+3)+(-30-5\*n)\*a(n+2)+(-3-n)\*a(n+1), a(0) = 0, a(1) = 6, a(2) = 25}, ogf]  
A255802 17.4351 [ -(-3\*x+5)/(-x^2+2\*x-1) ogf\_with\_Euler\_transform]  
A255803 16.8832 [ -(-2\*x+5)/(-x^2+2\*x-1) ogf\_with\_Euler\_transform]  
A255806 18.7233 [-3/(-x^2+2\*x-1) lgdegf]  
A255806 5.71219 [{(n^2+n)\*a(n)+(-2\*n-5)\*a(n+1)+a(n+2), a(0) = 1, a(1) = 3}, ogf]  
A255807 10.0690 [ -(x^2+4\*x+1)/(-x^4+4\*x^3-6\*x^2+4\*x-1) lgdegf]  
A255808 28.3162 [-x^8+x^7+2 ogf\_with\_Euler\_transform]  
A255808 7.56072 [ (x^2+x+1)\*(x^6+x^3+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A255813 10.5009 [ -(x^2-x+1)/(3\*x^3-3\*x^2+4\*x-1) ogf]  
A255813 5.66865 [{-a(n+3)+4\*a(n+2)-3\*a(n+1)+3\*a(n), a(0) = 1, a(1) = 3, a(2) = 10}, ogf]  
A255813 6.60368 [ -(-3\*x^4+6\*x^3-8\*x^2+4\*x-3)/(-3\*x^5+6\*x^4-10\*x^3+8\*x^2-5\*x+1) lgdogf]  
A255814 11.0971 [ -(x^2-x+1)/(4\*x^3-4\*x^2+5\*x-1) ogf]  
A255814 5.99049 [{-a(n+3)+5\*a(n+2)-4\*a(n+1)+4\*a(n), a(0) = 1, a(1) = 4, a(2) = 17}, ogf]  
A255814 6.83763 [ -(-4\*x^4+8\*x^3-11\*x^2+6\*x-4)/(-4\*x^5+8\*x^4-13\*x^3+10\*x^2-6\*x+1) lgdogf]  
A255815 10.2866 [ -(x^2-x+1)/(5\*x^3-5\*x^2+6\*x-1) ogf]  
A255815 5.55293 [{-a(n+3)+6\*a(n+2)-5\*a(n+1)+5\*a(n), a(0) = 1, a(1) = 5, a(2) = 26}, ogf]  
A255815 6.21268 [ -(-5\*x^4+10\*x^3-14\*x^2+8\*x-5)/(-5\*x^5+10\*x^4-16\*x^3+12\*x^2-7\*x+1) lgdogf]  
A255819 7.71315 [ -(-x^3-11\*x^2-11\*x-1)/(-x^5+5\*x^4-10\*x^3+10\*x^2-5\*x+1) lgdegf]

A255821 5.00930 [ $\{-a(n+3)+37*a(n+2)-36*a(n+1)+36*a(n), a(0) = 1, a(1) = 36, a(2) = 1297\}$ , ogf]  
A255821 9.31417 [ $-(x^2-x+1)/(36*x^3-36*x^2+37*x-1)$  ogf]  
A255834 13.4981 [ $-(x^2+2*x+3)/(-x^4+2*x^2-1)$  ogf\_with\_Euler\_transform]  
A255835 13.9095 [ $-(3*x^2+2*x+1)/(-x^4+2*x^2-1)$  ogf\_with\_Euler\_transform]  
A255836 13.4258 [ $-(2*x^2+3*x+4)/(-x^4+2*x^2-1)$  ogf\_with\_Euler\_transform]  
A255837 13.1148 [ $-(x^2+3*x+5)/(-x^4+2*x^2-1)$  ogf\_with\_Euler\_transform]  
A255840 12.7532 [ $-x*(5*x^2+2*x+1)/(x+1)/(x-1)^3$  ogf]  
A255840 9.98745 [ $-(10*x^3+16*x^2+18*x+4)/(5*x^4+2*x^3-4*x^2-2*x-1)$  lgdogf]  
A255842 12.4934 [ $-(-7*x^2+8*x-7)/(-7*x^3+18*x^2-17*x+6)$  lgdogf]  
A255842 12.8838 [ $-2*(7*x^2-11*x+6)/(x-1)^3$  ogf]  
A255842 7.17014 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 12, a(1) = 14, a(2) = 20\}$ , ogf]  
A255843 13.3905 [ $-2*(3*x^2-3*x+2)/(x-1)^3$  ogf]  
A255843 13.6137 [ $-(-3*x^2-3)/(-3*x^3+6*x^2-5*x+2)$  lgdogf]  
A255843 7.22852 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 4, a(1) = 6, a(2) = 12\}$ , ogf]  
A255844 13.1349 [ $-(-4*x^2+2*x-4)/(-4*x^3+9*x^2-8*x+3)$  lgdogf]  
A255844 13.5586 [ $-2*(4*x^2-5*x+3)/(x-1)^3$  ogf]  
A255844 7.43923 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 6, a(1) = 8, a(2) = 14\}$ , ogf]  
A255845 12.4934 [ $-(-6*x^2+6*x-6)/(-6*x^3+15*x^2-14*x+5)$  lgdogf]  
A255845 12.8838 [ $-2*(6*x^2-9*x+5)/(x-1)^3$  ogf]  
A255845 7.17014 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 10, a(1) = 12, a(2) = 18\}$ , ogf]  
A255846 12.3070 [ $-(-8*x^2+10*x-8)/(-8*x^3+21*x^2-20*x+7)$  lgdogf]  
A255846 12.8838 [ $-2*(8*x^2-13*x+7)/(x-1)^3$  ogf]  
A255846 7.17014 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 14, a(1) = 16, a(2) = 22\}$ , ogf]  
A255847 12.6629 [ $-(-9*x^2+12*x-9)/(-9*x^3+24*x^2-23*x+8)$  lgdogf]  
A255847 13.2565 [ $-2*(9*x^2-15*x+8)/(x-1)^3$  ogf]  
A255847 7.37754 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 16, a(1) = 18, a(2) = 24\}$ , ogf]  
A255848 11.7795 [ $-(-10*x^2+14*x-10)/(-10*x^3+27*x^2-26*x+9)$  lgdogf]  
A255848 12.8838 [ $-2*(10*x^2-17*x+9)/(x-1)^3$  ogf]  
A255848 7.17014 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 18, a(1) = 20, a(2) = 26\}$ , ogf]  
A255870 6.81364 [ $-(5*x^6+x^5-10*x^4-8*x^3-9*x^2-3*x-1)/(x+1)/(x^2+x-1)/(x-1)^3$  ogf]  
A255875 6.89559 [ $(x^3+x^2-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A255876 12.0063 [ $(3*x^3-6*x^2-x-4)/(x+1)/(x-1)^3$  ogf]  
A255876 8.54059 [ $-(-3*x^4+6*x^3+6*x^2+30*x+9)/(-3*x^5+6*x^4+4*x^3-2*x^2-x-4)$  lgdogf]  
A255877 3.91785 [ $\{(703*n^2+3251*n+3690)*a(n+1)+(118*n^2+5108*n+12606)*a(n+2)+(-821*n^2-3787*n-3972)*a(n+3), a(0) = -1, a(1) = 9, a(2) = 67\}$ , ogf]  
A255877 9.00655 [ $-(11*x^3+83*x^2+89*x+9)/(11*x^4+14*x^3-12*x^2-14*x+1)$  lgdogf]  
A255877 9.79462 [ $(x+1)*(11*x^2+14*x-1)/(x-1)^4$  ogf]  
A255910 10.8265 [ $\{a(n+2)-a(n+1), a(0) = 1, a(1) = 7\}$ , ogf]  
A255910 21.0679 [ $-(1+6*x)/(x-1)$  ogf]  
A255910 21.6531 [ $7/(-6*x^2+5*x+1)$  lgdogf]  
A255927 13.1192 [ $1/3*\ln(4*x+1)-1/3*\ln(x+1)$  revegf]  
A255965 8.49635 [ $-1/(-x^8+8*x^7-28*x^6+56*x^5-70*x^4+56*x^3-28*x^2+8*x-1)$  ogf\_with\_Euler\_transform]  
A255978 11.7944 [ $-x*(x^3-2*x^2-1)/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A255983 5.06695 [ $-(13835*x^5-8665*x^4+2585*x^3-415*x^2+35*x-1)/(18750*x^6-22500*x^5+11250*x^4-3000*x^3+450*x^2-36*x+1)$  ogf]  
A255985 3.77109 [ $-(235446*x^6-145578*x^5+44934*x^4-7986*x^3+834*x^2-48*x+1)/(326592*x^7-381024*x^6+190512*x^5-52920*x^4+8820*x^3-882*x^2+49*x-1)$  ogf]  
A255988 8.02551 [ $-(-30*x^4-29*x^3-16*x^2+7*x-26)/(2*x^5-3*x^4+x^2-2*x+1)$  ogf]  
A255989 7.11079 [ $-(-78*x^5-59*x^4-36*x^3-20*x^2+16*x-42)/(x^3-x-1)/(3*x^3-4*x^2+3*x-1)$  ogf]

A255990 6.64792 [  $-(168x^6-106x^5-70x^4-43x^3-24x^2+30x-64)/(4x^7-5x^6+x^2-2x+1)$  ogf]  
A255991 6.35199 [  $-(320x^7-174x^6-122x^5-81x^4-50x^3-28x^2+50x-93)/(5x^8-6x^7+x^2-2x+1)$  ogf]  
A255993 4.57623 [  $\{(6+3n)a(n+1)+(-n^2-17n-42)a(n+2)+(n^2+11n+24)a(n+3), a(0) = 8, a(1) = 16, a(2) = 28\}$ , ogf]  
A255993 9.15247 [  $-(-3x^3+15x^2-24x+16)/(-3x^4+15x^3-28x^2+24x-8)$  lgdogf]  
A255993 9.96344 [  $-(x-2)(3x^2-6x+4)/(x-1)^4$  ogf]  
A255994 10.1227 [  $-(4x^3-21x^2+32x-16)/(x-1)^4$  ogf]  
A255994 9.30824 [  $-(-4x^3+30x^2-54x+32)/(-4x^4+25x^3-53x^2+48x-16)$  lgdogf]  
A255995 9.10382 [  $(x^5-4x^4+36x^2-64x+32)/(x-1)^4$  ogf]  
A255996 7.47534 [  $(4x^6-8x^5-7x^4+16x^3+60x^2-128x+64)/(x-1)^4$  ogf]  
A255997 6.78687 [  $(9x^7-8x^6-21x^5-8x^4+59x^3+98x^2-256x+128)/(x-1)^4$  ogf]  
A255998 6.24686 [  $(16x^8-4x^7-31x^6-26x^5-29x^4+176x^3+155x^2-512x+256)/(x-1)^4$  ogf]  
A256004 8.33458 [  $-(2x^5+3x^4+x^2-3)/(-x^6-x^3-1)$  ogf\_with\_Euler\_transform]  
A256007 6.84775 [  $-x(x^{11}+x^{10}+x^9+2x^8+x^7-x^4-2x^3-3x^2-2x-1)/(x-1)/(x^2+x+1)/(x^6+x^3-1)$  ogf]  
A256008 12.6929 [  $(2x^3-x^2-2x+3)/(x^2+1)/(x-1)^2$  ogf]  
A256008 4.98652 [  $\{(n+4)a(n+1)+(-n-3)a(n+2)+(n+4)a(n+3)+(-n-3)a(n+4), a(0) = 3, a(1) = 4, a(2) = 1, a(3) = 2\}$ , ogf]  
A256008 9.22035 [  $-(-2x^5+8x^3-20x^2+10x-4)/(-2x^6+3x^5-x^4-2x^3+4x^2-5x+3)$  lgdogf]  
A256019 3.38124 [  $\{(n^4+3n^3+3n^2+2n)a(n)+(-n^4-8n^3-24n^2-34n-18)a(n+1)+(n+2)a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A256022 4.60091 [  $-(2x^9+36x^8+12x^7-66x^6-56x^5-24x^4-20x^3+51x^2+2x+33)/(x-1)/(2x^8+2x^7-2x^6-4x^5-4x^4-4x^3-x+1)$  ogf]  
A256031 6.46270 [  $-(x^4-4x^3-6x^2-12x-3)/(x^5-2x^4-4x^3+3x+2)$  lgdegf]  
A256031 8.84892 [  $-(x^3-2x^2-3x-2)/(x+1)^2/(x-1)^2$  egf]  
A256044 4.78406 [  $-(x^6-27x^5+177x^4-328x^3+177x^2-27x+1)/(x-1)/(x^3-26x^2+13x-1)/(x^3-13x^2+26x-1)$  ogf]  
A256079 13.1871 [  $-(10x^{11}-10x^{10}-1)/(x-1)^2$  ogf]  
A256087 5.60949 [  $-4(5x^{11}+86x^{10}-12x^9-5x^8-9x^7-14x^6-4x^5-10x^4-4x^3-14x^2-14x-91)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A256096 10.2079 [  $\{-a(n+2)-3a(n+1), a(0) = 4, a(1) = -9\}$ , ogf]  
A256096 19.8641 [  $(4+3x)/(3x+1)$  ogf]  
A256096 19.8641 [  $-9/(9x^2+15x+4)$  lgdogf]  
A256101 13.8094 [  $-(17x+103)/(17x^2+26x-43)$  lgdogf]  
A256101 15.2185 [  $7(17x+43)/(x-1)^2$  ogf]  
A256101 8.67100 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 301, a(1) = 721\}$ , ogf]  
A256137 9.62212 [  $(2x^5-5x^4+2x^3+2x^2-2x-1)/(x+1)/(x-1)^3$  ogf]  
A256142 14.0902 [  $-(3x-3)/(9x^3-3x^2-3x+1)$  ogf\_with\_Euler\_transform]  
A256162 9.11706 [  $(10x^4+10x^3-2x^2+8x+1)/(x-1)/(x+1)/(10x^2-1)$  ogf]  
A256178 10.9514 [  $1/(x^2-3x+1)/(x^2-18x+1)$  ogf]  
A256178 6.54569 [  $-(-4x^3+63x^2-112x+21)/(-x^4+21x^3-56x^2+21x-1)$  lgdogf]  
A256181 5.24130 [  $-(x^{12}-12x^{11}+66x^{10}-217x^9+567x^8-270x^7+1608x^6-541x^5+419x^4-184x^3+58x^2-11x+1)/(x-1)^{13}$  ogf]  
A256225 5.46051 [  $-x(x^8+5x^7+16x^6+25x^5+31x^4+25x^3+16x^2+5x+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A256226 5.08412 [  $x(3x^7+14x^6+21x^5+21x^4+22x^3+19x^2+7x+1)/(x^4+x^3+x^2+x+1)/(x+1)/(x-1)^6$  ogf]  
A256233 12.1996 [  $(3x^2-6x+1)/(x-1)/(x^2-3x+1)$  ogf]  
A256233 6.64440 [  $\{-a(n+3)+4a(n+2)-4a(n+1)+a(n), a(0) = -1, a(1) = 2, a(2) = 9\}$ , ogf]  
A256233 7.29581 [  $-(-3x^4+12x^3-15x^2+2x+2)/(-3x^5+18x^4-37x^3+31x^2-10x+1)$  lgdogf]  
A256278 13.9099 [  $-(29x-1)/(29x^2-31x+1)$  ogf]  
A256278 7.94851 [  $\{a(n+2)-31a(n+1)+29a(n), a(0) = 1, a(1) = 2\}$ , ogf]



A256278 9.27326 [  $[-(-841*x^2+58*x-2)/(-841*x^3+928*x^2-60*x+1) \text{ lgdogf}]$   
A256282 3.75603 [  $[-(2*x^{11}+x^{10}-x^9-3*x^8-2*x^7+2*x^6+4*x^5+2*x^4-2*x^3-x^2-x+1)/(-x^{12}+x^9-x^3+1) \text{ ogf\_with\_Euler\_transform}]$   
A256289 5.49086 [  $[-(10*x^{18}-20*x^9+8*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 \text{ ogf}]$   
A256299 5.53376 [  $[-(9*x^{18}-18*x^9+8*x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 \text{ ogf}]$   
A256302 3.65305 [  $[-(12*x^{10}+6*x^4+3*x+2)/(x-1) \text{ ogf}]$   
A256309 6.33607 [  $[-x^3*(x^4+x^2+x+1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^5 \text{ ogf}]$   
A256310 6.29203 [  $[x^3*(x^4+x^3+x^2+1)/(x^4+x^3+x^2+x+1)/(x+1)/(x^2+x+1)^2/(x-1)^6 \text{ ogf}]$   
A256313 7.34116 [  $[x^2*(x^2+x+1)*(x^2+2)/(x^2+1)/(x+1)^2/(x-1)^4 \text{ ogf}]$   
A256314 4.50916 [  $[-x^2*(2*x^7+3*x^6+4*x^5+5*x^4+6*x^3+3*x^2+3*x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^5 \text{ ogf}]$   
A256316 4.86989 [  $[-x^2*(2*x^6+4*x^5+6*x^4+6*x^3+7*x^2+4*x+3)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^5 \text{ ogf}]$   
A256317 3.73204 [  $[x^2*(x^2+1)*(x^4+2*x^3+2*x^2+x+2)*(x+1)^2/(x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^6 \text{ ogf}]$   
A256320 11.5187 [  $[-(-2*x^3-7*x^2-4*x-5)/(-x^4-x^3+x+1) \text{ lgdogf}]$   
A256320 28.4506 [  $[5-3*x+1/2*x^2, \text{ egf\_with\_Euler\_transform}]$   
A256320 9.31852 [  $[-x*(x+1)^3/(x^2+x+1)/(x-1)^3 \text{ ogf}]$   
A256321 8.38095 [  $[-x*(x^2+2*x+2)*(2*x^2+2*x+1)/(x^2+x+1)/(x+1)/(x-1)^3 \text{ ogf}]$   
A256322 8.23932 [  $[-x*(2*x^2+3*x+2)^2/(x^2+x+1)/(x+1)/(x-1)^3 \text{ ogf}]$   
A256327 6.07364 [  $[x*(5*x^7+13*x^6+24*x^5+29*x^4+28*x^3+17*x^2+8*x+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^4 \text{ ogf}]$   
A256328 7.94704 [  $[-(2*x^4+21*x^3+57*x^2+49*x+15)/(x^5+6*x^4+8*x^3-4*x^2-9*x-2) \text{ lgdogf}]$   
A256328 8.92926 [  $[x*(x+2)*(x^2+4*x+1)/(x+1)/(x-1)^4 \text{ ogf}]$   
A256329 5.52060 [  $[x*(x^8+14*x^7+38*x^6+67*x^5+80*x^4+74*x^3+46*x^2+20*x+3)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^4 \text{ ogf}]$   
A256331 10.5036 [  $[-(2*x^2-x)/(-x^3-x^2+x+1) \text{ revogf}]$   
A256428 7.62692 [  $[-x^2*(2*x-1)/(x^6-5*x^5+14*x^4-26*x^3+22*x^2-8*x+1) \text{ ogf}]$   
A256429 11.9591 [  $[-(3*x^2-3*x-1)/(x-1)/(5*x^3-2*x^2+2*x-1) \text{ ogf}]$   
A256429 7.05279 [  $[-(-30*x^5+66*x^4-22*x^3-18*x^2+14*x-6)/(-15*x^6+36*x^5-28*x^4+14*x^3-8*x^2+1) \text{ lgdogf}]$   
A256453 5.98052 [  $[-(-6*x^{10}-5*x^9-2*x^8-2*x^7-x^6+x^5+x^4-x^3-2*x^2-2*x-5)/(x^{11}-1) \text{ ogf\_with\_Euler\_transform}]$   
A256467 12.2284 [  $[-(2*x^2-1)/(2*x^3+5*x^2+4*x+1) \text{ lgdegf}]$   
A256467 4.92419 [  $[ \{(-n^3-4*n^2-3*n)*a(n)+(-2*n^2-5*n+2)*a(n+1)+(-1-n)*a(n+2), a(0) = 0, a(1) = 1\}, \text{ ogf}]$   
A256493 10.8403 [  $[-(12*x^2-10*x+1)/(x-1)/(2*x-1)/(10*x-1) \text{ ogf}]$   
A256493 6.16778 [  $[ \{-a(n+3)+13*a(n+2)-32*a(n+1)+20*a(n), a(0) = 1, a(1) = 3, a(2) = 19\}, \text{ ogf}]$   
A256493 6.38805 [  $[-(-240*x^4+400*x^3-224*x^2+40*x-3)/(-240*x^5+584*x^4-496*x^3+174*x^2-23*x+1) \text{ lgdogf}]$   
A256494 15.4932 [  $[-x*(x^3+x-1)/(x-1)/(2*x-1)/(x+1)/(x^2+1) \text{ ogf}]$   
A256496 5.97641 [  $[-(59*x^6+146*x^5+201*x^4+195*x^3+159*x^2+94*x+31)/(x-1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1) \text{ ogf}]$   
A256506 6.11948 [  $[ \{-a(n+1)+(-2*n-9)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 7\}, \text{ ogf}]$   
A256524 8.22589 [  $[ (x^2+x+1)*(2*x^2+1)/(x^2+1)/(x+1)^2/(x-1)^4 \text{ ogf}]$   
A256525 4.54466 [  $[-(x^8+x^7+4*x^6+5*x^5+5*x^4+5*x^3+4*x^2+x+1)/(x^2+1)/(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^5 \text{ ogf}]$   
A256539 4.85960 [  $[-(x^7+4*x^6+5*x^5+7*x^4+6*x^3+6*x^2+2*x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^5 \text{ ogf}]$   
A256540 3.92012 [  $[ (3*x^8+5*x^7+11*x^6+11*x^5+13*x^4+10*x^3+8*x^2+2*x+1)/(x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^6 \text{ ogf}]$   
A256552 12.2143 [  $[-(-11*x^3-2*x^2-9*x-2)/(x^4-1) \text{ ogf\_with\_Euler\_transform}]$   
A256626 14.8710 [  $[-(x-1)/(x^3+1) \text{ ogf\_with\_Euler\_transform}]$   
A256636 9.96423 [  $[-(-x^2+x)/(-x^5-x^4-x^3-x^2-x-1) \text{ ogf\_with\_Euler\_transform}]$

A256637 5.13200  $[-(x^8+x^6+x^5+x^3+x^2+1)/(-x^{10}+x^8-x^6+x^4-x^2+1)$   
ogf\_with\_Euler\_transform]  
A256645 12.1008  $[x*(22*x+1)/(x-1)^4$  ogf]  
A256645 15.3588  $[-(-66*x-26)/(-22*x^2+21*x+1)$  lgdogf]  
A256645 5.21997  $[{(-2-n)*a(n+3)+(5-21*n)*a(n+2)+(66+22*n)*a(n+1), a(0) = 0, a(1)$   
 $= 1, a(2) = 26}$ , ogf]  
A256646 12.1564  $[x*(23*x+1)/(x-1)^4$  ogf]  
A256646 15.4292  $[-(-69*x-27)/(-23*x^2+22*x+1)$  lgdogf]  
A256646 5.24392  $[{(-2-n)*a(n+3)+(5-22*n)*a(n+2)+(69+23*n)*a(n+1), a(0) = 0, a(1)$   
 $= 1, a(2) = 27}$ , ogf]  
A256647 12.2119  $[x*(24*x+1)/(x-1)^4$  ogf]  
A256647 15.4997  $[-(-72*x-28)/(-24*x^2+23*x+1)$  lgdogf]  
A256647 5.26786  $[{(-2-n)*a(n+3)+(5-23*n)*a(n+2)+(72+24*n)*a(n+1), a(0) = 0, a(1)$   
 $= 1, a(2) = 28}$ , ogf]  
A256648 12.2119  $[x*(25*x+1)/(x-1)^4$  ogf]  
A256648 15.4997  $[-(-75*x-29)/(-25*x^2+24*x+1)$  lgdogf]  
A256648 5.26786  $[{(-2-n)*a(n+3)+(5-24*n)*a(n+2)+(75+25*n)*a(n+1), a(0) = 0, a(1)$   
 $= 1, a(2) = 29}$ , ogf]  
A256649 12.2119  $[x*(26*x+1)/(x-1)^4$  ogf]  
A256649 15.4997  $[-(-78*x-30)/(-26*x^2+25*x+1)$  lgdogf]  
A256649 5.26786  $[{(-2-n)*a(n+3)+(5-25*n)*a(n+2)+(78+26*n)*a(n+1), a(0) = 0, a(1)$   
 $= 1, a(2) = 30}$ , ogf]  
A256650 12.3784  $[x*(27*x+1)/(x-1)^4$  ogf]  
A256650 15.7110  $[-(-81*x-31)/(-27*x^2+26*x+1)$  lgdogf]  
A256650 5.33970  $[{(-2-n)*a(n+3)+(5-26*n)*a(n+2)+(81+27*n)*a(n+1), a(0) = 0, a(1)$   
 $= 1, a(2) = 31}$ , ogf]  
A256666 8.14759  $[-(4*x^4-3*x^3-7*x^2+16*x+14)/(2*x^5-3*x^4-3*x^3+8*x^2+x-5)$   
lgdogf]  
A256666 8.97151  $[x*(2*x^3-3*x^2-x+5)/(x+1)/(x-1)^4$  ogf]  
A256676 8.03620  $[-(x^8+3*x^7+7*x^6+4*x^5+3*x^4+4*x^3+7*x^2+3*x+1)/(x-1)/(x^2+x$   
 $+1)/(x^6+x^3+1)$  ogf]  
A256680 12.7411  $[-x*(x^3-x^2-4*x-1)/(x+1)/(x-1)^2$  ogf]  
A256680 12.9181  $[-(6*x^2+9*x+5)/(-x^5+x^4+5*x^3-4*x-1)$  lgdogf]  
A256680 6.45904  $[{a(n+5)-a(n+4)-a(n+3)+a(n+2), a(0) = 0, a(1) = 1, a(2) = 5,$   
 $a(3) = 7, a(4) = 10}$ , ogf]  
A256710 6.04998  $[{-2*a(n+1)+(2*n+3)*a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) =$   
 $1}$ , ogf]  
A256716 12.0453  $[x*(21*x+1)/(x-1)^4$  ogf]  
A256716 15.2883  $[-(-63*x-25)/(-21*x^2+20*x+1)$  lgdogf]  
A256716 5.19603  $[{(-2-n)*a(n+3)+(5-20*n)*a(n+2)+(63+21*n)*a(n+1), a(0) = 0, a(1)$   
 $= 1, a(2) = 25}$ , ogf]  
A256718 11.9898  $[x*(20*x+1)/(x-1)^4$  ogf]  
A256718 15.2179  $[-(-60*x-24)/(-20*x^2+19*x+1)$  lgdogf]  
A256718 5.17208  $[{(-2-n)*a(n+3)+(5-19*n)*a(n+2)+(60+20*n)*a(n+1), a(0) = 0, a(1)$   
 $= 1, a(2) = 24}$ , ogf]  
A256728 6.85125  $[-128*(32*x^3-24*x^2-3*x+3)/(8*x^2-1)/(8*x^2-7*x+1)$  ogf]  
A256803 4.44205  $[-(26*x^7+86*x^6+39*x^5-27*x^4-94*x^3-119*x^2-54*x-32)/$   
 $(2*x^8+6*x^7+x^6-3*x^5-7*x^4-7*x^3-x^2-x+1)$  ogf]  
A256813 5.71668  $[-(32*x^5-48*x^4+8*x^3-60*x^2+2*x-63)/$   
 $(x^6-2*x^5+x^4-2*x^3+x^2-2*x+1)$  ogf]  
A256814 3.78832  $[-$   
 $(252*x^9-250*x^8-128*x^7-190*x^6+93*x^5+48*x^4-39*x^3+104*x^2-11*x+120)/(x-1)/$   
 $(4*x^9-2*x^8-2*x^7-4*x^6-x^5-x^4-2*x^3-x+1)$  ogf]  
A256817 6.53701  $[-(3*x^5-20*x^4+48*x^3-56*x^2+32*x-8)/(x-1)^6$  ogf]  
A256818 6.34708  $[-(4*x^5-37*x^4+96*x^3-112*x^2+64*x-16)/(x-1)^6$  ogf]  
A256819 5.99120  $[(x^7-4*x^6+68*x^4-192*x^3+224*x^2-128*x+32)/(x-1)^6$  ogf]  
A256820 5.18692  $[(4*x^8-8*x^7-7*x^6+16*x^5+124*x^4-384*x^3+448*x^2-256*x+64)/$   
 $(x-1)^6$  ogf]  
A256821 4.58087  $[-$   
 $(10*x^9-14*x^8-7*x^7-24*x^6+68*x^5+224*x^4-768*x^3+896*x^2-512*x+128)/(x-1)^6$   
ogf]

A256822 4.10311 [  $(28x^{10}-64x^9+78x^8-102x^7-35x^6+208x^5+400x^4-1536x^3+1792x^2-1024x+256)/(x-1)^6$  ogf]  
A256833 11.8058 [  $-(x^2+26x+21)/(x^3+11x^2-9x-3)$  lgdogf]  
A256833 12.7579 [  $-2*(x^2+12x+3)/(x-1)^3$  ogf]  
A256833 6.87817 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 6, a(1) = 42, a(2) = 110\}$ , ogf]  
A256857 10.1742 [  $-x*(2x^2-4x-1)/(x-1)^4$  ogf]  
A256857 11.6049 [  $-(-4x^2+8x+8)/(-2x^3+6x^2-3x-1)$  lgdogf]  
A256857 3.77012 [  $\{(-3-n)*a(n+4)+(2-3n)*a(n+3)+(14+6n)*a(n+2)+(-4-2n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 8, a(3) = 24\}$ , ogf]  
A256859 12.6660 [  $-(-16x^2-8x-6)/(-4x^3+4x^2-x+1)$  lgdogf]  
A256859 4.31042 [  $\{(n+4)*a(n+4)+(-9-n)*a(n+3)+4n*a(n+2)+(-20-4n)*a(n+1), a(0) = 1, a(1) = 6, a(2) = 25, a(3) = 80\}$ , ogf]  
A256859 9.80107 [  $(4x^2+1)/(x-1)^6$  ogf]  
A256860 11.9148 [  $-(-25x^2-10x-7)/(-5x^3+5x^2-x+1)$  lgdogf]  
A256860 4.07450 [  $\{(n+4)*a(n+4)+(-10-n)*a(n+3)+5n*a(n+2)+(-30-5n)*a(n+1), a(0) = 1, a(1) = 7, a(2) = 33, a(3) = 119\}$ , ogf]  
A256860 8.45568 [  $-(5x^2+1)/(x-1)^7$  ogf]  
A256861 11.6050 [  $-(-36x^2-12x-8)/(-6x^3+6x^2-x+1)$  lgdogf]  
A256861 3.96854 [  $\{(n+4)*a(n+4)+(-11-n)*a(n+3)+6n*a(n+2)+(-42-6n)*a(n+1), a(0) = 1, a(1) = 8, a(2) = 42, a(3) = 168\}$ , ogf]  
A256861 7.50911 [  $(6x^2+1)/(x-1)^8$  ogf]  
A256871 10.3545 [  $-(-184x^2+96x-13)/(-184x^3+186x^2-59x+6)$  lgdogf]  
A256871 16.4322 [  $-(23x-6)/(2x-1)/(4x-1)$  ogf]  
A256871 9.10698 [  $\{a(n+2)-6a(n+1)+8a(n), a(0) = 6, a(1) = 13\}$ , ogf]  
A256873 10.9076 [  $-(-88x^2+48x-7)/(-88x^3+90x^2-29x+3)$  lgdogf]  
A256873 16.3613 [  $-(11x-3)/(2x-1)/(4x-1)$  ogf]  
A256873 9.17830 [  $\{a(n+2)-6a(n+1)+8a(n), a(0) = 3, a(1) = 7\}$ , ogf]  
A256888 7.76854 [  $-(3x^9+5x^8+x^7+3x^6+x^5+3x^4+x^3+5x^2+3x+2)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A256938 7.32266 [  $-1/2*(-x^2+(x^4+2x^3+11x^2+2x+1)^{1/2}-3x-1)/(x^2+1)$  revogf]  
A256939 7.04835 [  $-1/2*(-x^2+(x^4+4x^3+18x^2+4x+1)^{1/2}-4x-1)/(x^2+1)$  revogf]  
A256958 15.7133 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = -50, a(1) = -49\}$ , ogf]  
A256958 24.4430 [  $-(-51x+49)/(-51x^2+101x-50)$  lgdogf]  
A256958 28.0834 [  $(51x-50)/(x-1)^2$  ogf]  
A256959 9.36777 [  $(4x^4-4x^3-5x^2+3x-1)/(x-1)/(2x-1)/(4x-1)$  ogf]  
A256960 11.4573 [  $-(2x+1)*(2x^2+2x-1)/(2x-1)/(x+1)/(2x^2+3x-1)$  ogf]  
A256994 15.4506 [  $-(2x^4-x^3+x^2+3x-2)/(2x-1)/(x-1)$  ogf]  
A256994 8.39441 [  $\{a(n+5)-3a(n+4)+2a(n+3), a(0) = 2, a(1) = 3, a(2) = 4, a(3) = 7, a(4) = 11\}$ , ogf]  
A256994 9.11188 [  $-(-8x^5+20x^4-14x^3+12x^2-10x+3)/(4x^6-8x^5+7x^4+2x^3-12x^2+9x-2)$  lgdogf]  
A257042 10.5999 [  $-2x*(2x^2-6x-5)/(x-1)^4$  ogf]  
A257042 12.0453 [  $-(-4x^2+14x+26)/(-2x^3+8x^2-x-5)$  lgdogf]  
A257042 3.93561 [  $\{(-15-5n)*a(n+4)+(24-n)*a(n+3)+(22+8n)*a(n+2)+(-4-2n)*a(n+1), a(0) = 0, a(1) = 10, a(2) = 52, a(3) = 144\}$ , ogf]  
A257051 4.41855 [  $\{(23n^2+77n)*a(n+1)+(-40n^2-46n+48)*a(n+2)+(17n^2-7n)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 10\}$ , ogf]  
A257051 8.29047 [  $2x^3*(x^3-4x^2+6x-5)/(x-1)^5$  ogf]  
A257051 9.57352 [  $-(-2x^3+9x^2-16x+19)/(-x^4+5x^3-10x^2+11x-5)$  lgdogf]  
A257052 4.80284 [  $\{(7n+20)*a(n+1)+(-20n-46)*a(n+2)+(13n+2)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 10\}$ , ogf]  
A257052 8.20484 [  $x^3*(x^3-3x^2+6x-10)/(x-1)^5$  ogf]  
A257052 9.37696 [  $-(-2x^3+6x^2-18x+44)/(-x^4+4x^3-9x^2+16x-10)$  lgdogf]  
A257055 10.8699 [  $-x*(3x^2+1)/(x-1)^5$  ogf]  
A257055 12.7382 [  $-(-9x^2-6x-5)/(-3x^3+3x^2-x+1)$  lgdogf]  
A257055 4.15940 [  $\{(n+3)*a(n+4)+(-7-n)*a(n+3)+(-3+3n)*a(n+2)+(-9-3n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 18\}$ , ogf]

A257060 10.1852 [  $-(x^2+2*x+4)/(x^3+2*x^2+4*x-1)$  ogf]  
A257060 5.44999 [  $\{a(n+3)-4*a(n+2)-2*a(n+1)-a(n), a(0) = 4, a(1) = 18, a(2) = 81\}$ , ogf]  
A257061 7.94739 [  $-(4*x^3+8*x^2+7*x+5)/(4*x^4+7*x^3+5*x^2+4*x-1)$  ogf]  
A257063 13.6826 [  $(x^4+x^2+x+1)/(x^2-x+1)/(x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A257064 6.30565 [  $-(x^{10}+4*x^8+4*x^7+5*x^6+2*x^5+7*x^4+2*x^3+3*x^2+2*x+2)/(x^2-x+1)^2/(x+1)^2/(x^2+x+1)^2/(x-1)^3$  ogf]  
A257075 14.1371 [  $-(x^2-x+1)/(x-1)/(x^2+x+1)$  ogf]  
A257075 20.9293 [  $-x^5+2*x^2+x-1$  ogf\_with\_Euler\_transform]  
A257075 9.11470 [  $\{-a(n+3)+a(n), a(0) = 1, a(1) = -1, a(2) = 1\}$ , ogf]  
A257076 11.8253 [  $-(x-1)*(x^2+x+1)/(x^2-x+1)$  ogf]  
A257076 17.5069 [  $x^5-2*x^2-x+1$  ogf\_with\_Euler\_transform]  
A257076 5.12781 [  $\{-a(n+4)+a(n+3)-a(n+2), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = -2\}$ , ogf]  
A257083 25.1399 [  $-x^3-x^2+3*x+2$  ogf\_with\_Euler\_transform]  
A257083 8.96465 [  $-(x^2+1)*(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A257088 11.3223 [  $(x^2+1)*(x^2+x+1)/(x+1)^2/(x-1)^2$  ogf]  
A257088 24.9533 [  $-x^3-x^2+3*x+1$  ogf\_with\_Euler\_transform]  
A257088 8.60968 [  $-(x^4+8*x^3+6*x^2+8*x+1)/(x^6+x^5+x^4-x^2-x-1)$  lgdogf]  
A257113 12.5627 [  $-(2*x^2-2*x+3)/(-2*x^3-x^2+5*x-2)$  lgdogf]  
A257113 17.8669 [  $(x+2)*(x-1)/(2*x-1)$  ogf]  
A257113 9.57155 [  $\{-a(n+3)+2*a(n+2), a(0) = 2, a(1) = 3, a(2) = 5\}$ , ogf]  
A257143 10.2489 [  $-(-x^4-6*x^3-6*x^2-6*x-1)/(-x^6-x^5+x+1)$  lgdogf]  
A257143 11.2317 [  $(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^2$  ogf]  
A257143 28.1718 [  $[-x^4+2*x+1]$  ogf\_with\_Euler\_transform]  
A257145 20.8431 [  $[x^4-2*x-1]$  ogf\_with\_Euler\_transform]  
A257145 8.30551 [  $(x+1)^2*(x-1)^2/(x^4+x^3+x^2+x+1)$  ogf]  
A257164 8.47831 [  $-x*(3*x^3+x^2+4*x+2)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A257170 11.0574 [  $x^7-x^5-x^3+x^2-x+1$  ogf\_with\_Euler\_transform]  
A257170 5.12615 [  $\{-a(n+5)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 1, a(4) = 0\}$ , ogf]  
A257170 9.53284 [  $(x^2-x+1)*(x+1)^2/(x^4+1)$  ogf]  
A257171 6.21035 [  $(2*x^8-3*x^7-5*x^6+9*x^5+5*x^4-8*x^3+x^2+4*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A257174 19.9264 [  $-x^4-x^3+2*x^2+x+1$  ogf\_with\_Euler\_transform]  
A257174 9.21253 [  $(x^2+1)*(x^4+x^3+x^2+x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A257178 3.50004 [  $\{(-12*n-30)*a(n+1)+(-5*n-24)*a(n+2)+(6*n+30)*a(n+3)+(-n-6)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 10, a(3) = 33\}$ , ogf]  
A257179 13.0060 [  $-(x+1)*(x^4-x^3+x^2-x+1)/(x-1)/(x^4+1)$  ogf]  
A257179 16.4316 [  $-x^9+x^7+x^4-x^3+1$  ogf\_with\_Euler\_transform]  
A257181 12.4892 [  $x^9-x^7-x^4+x^3-1$  ogf\_with\_Euler\_transform]  
A257181 9.88875 [  $-(x-1)*(x^4+1)/(x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A257196 14.5766 [  $-x^9+x^7+x^4-2*x+1$  ogf\_with\_Euler\_transform]  
A257196 8.21159 [  $(x^4-x^3+x^2-x+1)*(x+1)^2/(x^2+1)/(x^4+1)$  ogf]  
A257198 11.6368 [  $-(8*x^2-x-3)/(2*x^3-x^2-2*x+1)$  lgdogf]  
A257198 14.0520 [  $-2*x^2/(2*x-1)/(x+1)/(x-1)^2$  ogf]  
A257198 3.83895 [  $\{(-2*n-6)*a(n+1)+(n+1)*a(n+2)+(2*n+5)*a(n+3)+(-n-2)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 6\}$ , ogf]  
A257199 13.1416 [  $-(-4*x^2+3*x-5)/(-x^3+2*x^2-2*x+1)$  lgdogf]  
A257199 25.3119 [  $-x^5+x^2+x+5$  ogf\_with\_Euler\_transform]  
A257199 4.22646 [  $\{(n+4)*a(n+4)+(-11-2*n)*a(n+3)+(7+2*n)*a(n+2)+(-5-n)*a(n+1), a(0) = 1, a(1) = 5, a(2) = 16, a(3) = 41\}$ , ogf]  
A257199 9.55756 [  $(x^2-x+1)/(x-1)^6$  ogf]  
A257200 14.5250 [  $-(-5*x^2+4*x-6)/(-x^3+2*x^2-2*x+1)$  lgdogf]  
A257200 27.9763 [  $-x^5+x^2+x+6$  ogf\_with\_Euler\_transform]  
A257200 4.67135 [  $\{(n+4)*a(n+4)+(-12-2*n)*a(n+3)+(8+2*n)*a(n+2)+(-6-n)*a(n+1), a(0) = 1, a(1) = 6, a(2) = 22, a(3) = 63\}$ , ogf]  
A257200 9.58348 [  $-(x^2-x+1)/(x-1)^7$  ogf]  
A257201 15.7353 [  $-(-6*x^2+5*x-7)/(-x^3+2*x^2-2*x+1)$  lgdogf]  
A257201 30.3076 [  $-x^5+x^2+x+7$  ogf\_with\_Euler\_transform]  
A257201 5.06060 [  $\{(n+4)*a(n+4)+(-13-2*n)*a(n+3)+(9+2*n)*a(n+2)+(-7-n)*a(n+1),$

$a(0) = 1, a(1) = 7, a(2) = 29, a(3) = 92$ , ogf]  
A257201 9.50057 [  $(x^2-x+1)/(x-1)^8$  ogf]  
A257272 10.7687 [  $\{a(n+2)-6*a(n+1)+8*a(n), a(0) = 4, a(1) = 9\}$ , ogf]  
A257272 12.2643 [  $-(-120*x^2+64*x-9)/(-120*x^3+122*x^2-39*x+4)$  lgdogf]  
A257272 19.1964 [  $-(15*x-4)/(2*x-1)/(4*x-1)$  ogf]  
A257273 10.7687 [  $\{a(n+2)-6*a(n+1)+8*a(n), a(0) = 2, a(1) = 5\}$ , ogf]  
A257273 12.7976 [  $-(-56*x^2+32*x-5)/(-56*x^3+58*x^2-19*x+2)$  lgdogf]  
A257273 19.6230 [  $-(7*x-2)/(2*x-1)/(4*x-1)$  ogf]  
A257275 11.6600 [[2] ogf\_with\_Euler\_transform]  
A257285 10.2244 [  $-(-20*x^2+40*x-8)/(-20*x^3+29*x^2-10*x+1)$  lgdogf]  
A257285 15.3366 [  $-(x-1)/(5*x-1)/(4*x-1)$  ogf]  
A257285 8.49982 [  $\{-a(n+2)+9*a(n+1)-20*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A257286 13.6032 [  $-(x-1)/(6*x-1)/(5*x-1)$  ogf]  
A257286 7.52175 [  $\{-a(n+2)+11*a(n+1)-30*a(n), a(0) = 1, a(1) = 10\}$ , ogf]  
A257286 9.13356 [  $-(-30*x^2+60*x-10)/(-30*x^3+41*x^2-12*x+1)$  lgdogf]  
A257287 13.1302 [  $-(x-1)/(7*x-1)/(6*x-1)$  ogf]  
A257287 7.26024 [  $\{-a(n+2)+13*a(n+1)-42*a(n), a(0) = 1, a(1) = 12\}$ , ogf]  
A257287 8.81600 [  $-(-42*x^2+84*x-12)/(-42*x^3+55*x^2-14*x+1)$  lgdogf]  
A257288 10.2485 [  $-(-56*x^2+112*x-14)/(-56*x^3+71*x^2-16*x+1)$  lgdogf]  
A257288 15.4817 [  $-(x-1)/(8*x-1)/(7*x-1)$  ogf]  
A257288 8.56047 [  $\{-a(n+2)+15*a(n+1)-56*a(n), a(0) = 1, a(1) = 14\}$ , ogf]  
A257289 14.7874 [  $-(x-1)/(9*x-1)/(8*x-1)$  ogf]  
A257289 8.17658 [  $\{-a(n+2)+17*a(n+1)-72*a(n), a(0) = 1, a(1) = 16\}$ , ogf]  
A257289 9.78886 [  $-(-72*x^2+144*x-16)/(-72*x^3+89*x^2-18*x+1)$  lgdogf]  
A257290 4.11183 [  $\{(-12*x-18)*a(n+1)+(-5*n-15)*a(n+2)+(6*n+27)*a(n+3)+(-n-6)*a(n+4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 3\}$ , ogf]  
A257290 9.19387 [  $1/6*x^2+1/2*x+1/6-1/6*(x^4+6*x^3+11*x^2-6*x+1)^{(1/2)}$  revogf]  
A257293 5.48607 [  $(3*x^8+7*x^7+6*x^6+26*x^5-260*x^4-357*x^3-46*x^2-26*x-3)/(x-1)/(x^4+10*x^2-1)/(x^4-10*x^2-1)$  ogf]  
A257297 9.43863 [  $x^{11}*(9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)^2/(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x^4-x^3+x^2-x+1)^2$  ogf]  
A257319 11.5613 [  $-(94*x-48)/(47*x^2-48*x+1)$  lgdogf]  
A257319 14.3140 [  $1840*x/(47*x-1)/(x-1)$  ogf]  
A257319 6.99055 [  $\{a(n+2)-48*a(n+1)+47*a(n), a(0) = 0, a(1) = 1840\}$ , ogf]  
A257352 10.5918 [  $-(-51*x^2-98*x-1)/(-51*x^3+53*x^2-3*x+1)$  lgdogf]  
A257352 11.6168 [  $-(51*x^2-2*x+1)/(x-1)^3$  ogf]  
A257352 6.37383 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 51\}$ , ogf]  
A257388 3.99639 [  $\{(-16*n-40)*a(n+1)+(-12*n-52)*a(n+2)+(8*n+40)*a(n+3)+(-n-6)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 17, a(3) = 72\}$ , ogf]  
A257390 3.63278 [  $\{(-16*n-24)*a(n+1)+(-12*n-36)*a(n+2)+(8*n+36)*a(n+3)+(-n-6)*a(n+4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 4\}$ , ogf]  
A257390 8.16355 [  $1/8*x^2+1/2*x+1/8-1/8*(x^4+8*x^3+18*x^2-8*x+1)^{(1/2)}$  revogf]  
A257418 9.49487 [  $-(2*x^5-x^4+5*x^3-4*x^2-3*x+2)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
A257439 5.77496 [  $(9*x^5+4*x^4-15*x^3+x^2-22*x+30)/(x-1)/(x^3+x-1)$  ogf]  
A257440 5.12360 [  $(x^{11}+2*x^{10}+6*x^9+7*x^8+13*x^7+9*x^6-17*x^5-26*x^4-50*x^3+3*x^2+6*x+30)/(x-1)/(x^2+x+1)/(x^3+x-1)$  ogf]  
A257441 6.77047 [  $(x^7+2*x^6+7*x^5+5*x^4-29*x^3+x^2-34*x+36)/(x-1)/(x^3+x-1)$  ogf]  
A257442 7.93650 [  $(3*x^5+4*x^4-33*x^3+4*x^2-37*x+39)/(x-1)/(x^3+x-1)$  ogf]  
A257443 7.93650 [  $(x^5+4*x^4-45*x^3+6*x^2-47*x+49)/(x-1)/(x^3+x-1)$  ogf]  
A257444 8.69903 [  $(3*x^4-62*x^3+6*x^2-62*x+65)/(x-1)/(x^3+x-1)$  ogf]  
A257445 8.78110 [  $(x^4-87*x^3+4*x^2-85*x+90)/(x-1)/(x^3+x-1)$  ogf]  
A257446 8.93722 [  $-(125*x^3-3*x^2+122*x-128)/(x-1)/(x^3+x-1)$  ogf]  
A257448 10.7951 [  $(x^2+4*x+1)/(2*x-1)/(x-1)^3$  ogf]  
A257448 9.19584 [  $-(4*x^3+25*x^2-2*x-9)/(2*x^4+5*x^3-9*x^2+x+1)$  lgdogf]  
A257449 7.42114 [  $-(-4*x^4-69*x^3-85*x^2+45*x+17)/(-2*x^5-19*x^4+10*x^3+20*x^2-8*x-1)$  lgdogf]  
A257449 8.58851 [  $-(x+1)*(x^2+10*x+1)/(2*x-1)/(x-1)^4$  ogf]  
A257450 7.25062 [  $(x^4+26*x^3+66*x^2+26*x+1)/(2*x-1)/(x-1)^5$  ogf]

A257464 5.85073 [  $-(x^6-x^5+2x^4+2x^3+2x^2-x+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf ]  
A257469 8.31126 [  $-(2x^6-x^5+1)/(-x^7+x^6-x+1)$  ogf\_with\_Euler\_transform ]  
A257476 8.58152 [  $(1/(x^2+1)*\exp(x)-1)*(\exp(-x)*x^2+\exp(-x))$  revegff ]  
A257487 10.9546 [  $-(8x^2-15x+4)/(x^2-4x+1)/(x-1)$  ogf ]  
A257487 6.01048 [  $\{-a(n+3)+5a(n+2)-5a(n+1)+a(n), a(0) = 4, a(1) = 5, a(2) = 13\}$ , ogf ]  
A257487 6.46842 [  $(-(-8x^4+30x^3-47x^2+24x-5)/(-8x^5+55x^4-119x^3+103x^2-35x+4)$  lgdogf ]  
A257542 13.2019 [  $-(x^4-x^3+2x^2-2x-1)/(x-1)^2$  ogf ]  
A257542 9.48886 [  $-(2x^4-5x^3+3x^2-2x+4)/(-x^5+2x^4-3x^3+4x^2-x-1)$  lgdogf ]  
A257543 15.4080 [  $1/(x-1)/(x+1)/(x^2+1)/(x^2-x+1)/(x^3-x-1)$  ogf ]  
A257543 9.12313 [  $(-(-9x^8+8x^7+5x^4)/(-x^9+x^8+x^5-1))$  lgdogf ]  
A257548 12.0981 [  $-(x-1)*(x^4-2x^2-x-1)/(2x-1)$  ogf ]  
A257557 13.9303 [  $(x-1)/(x^5+2x^3+2x-1)$  ogf ]  
A257583 5.25815 [  $\{(16n^2+56n+48)*a(n+1)-a(n+2), a(0) = 4, a(1) = 32\}$ , ogf ]  
A257589 3.58342 [  $\{(32n^2+144n+160)*a(n+1)+(-4n^2-2n+30)*a(n+2)+(-n^2-7n-12)*a(n+3), a(0) = 1, a(1) = 9, a(2) = 50\}$ , ogf ]  
A257595 5.80076 [  $-x^3*(x^5+3x^4+3x^3+2x^2+x+1)/(x^3+x^2-1)^3$  ogf ]  
A257600 3.73763 [  $\{(13n^2-73n)*a(n)+(-108n^2-542n-864)*a(n+1)+(147n^2+763n+1008)*a(n+2)+(-52n^2-268n-336)*a(n+3), a(0) = 4, a(1) = 35, a(2) = 100\}$ , ogf ]  
A257600 7.50834 [  $(-(-10x^4+40x^3-45x^2-10x+35)/(-2x^6+2x^5+20x^4-55x^3+50x^2-11x-4))$  lgdogf ]  
A257600 8.65757 [  $(2x^5-20x^3+35x^2-15x-4)/(x-1)^5$  ogf ]  
A257601 8.30298 [  $(-(-10x^4+40x^3-45x^2-10x+35)/(-10x^5+50x^4-95x^3+80x^2-23x-2))$  lgdogf ]  
A257601 8.89006 [  $(10x^4-40x^3+55x^2-25x-2)/(x-1)^5$  ogf ]  
A257602 10.6055 [  $(-(-x^4-6x^3-66x^2-46x-6)/(-x^5-20x^3+20x^2+1))$  lgdogf ]  
A257602 9.72174 [  $(-x^4+x^3+21x^2+x+1)/(x-1)^5$  ogf ]  
A257633 4.52724 [  $\{(-256n^3-1664n^2-3568n-2520)*a(n+1)+(27n^3+189n^2+438n+336)*a(n+2), a(0) = 1, a(1) = 6\}$ , ogf ]  
A257633 6.33814 [  $(-128x^3-3x+1/2+1/2*(65536x^6+3072x^4-512x^3+144x^2-12x+1)^{(1/2})*x$  revogff ]  
A257637 8.50713 [  $-x*(x^9-2x^8+3x^7-x^6-x^4-x^2-1)/(x-1)^2$  ogf ]  
A257640 11.1492 [  $(-x^5-2x^4+2x^3-4x^2+2x-2)/(-x^6+1)$  ogf\_with\_Euler\_transform ]  
A257645 15.8824 [  $(-x+29)/(x^2+13x-14)$  lgdogf ]  
A257645 17.6088 [  $(x+14)/(x-1)^2$  ogf ]  
A257645 9.64290 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 14, a(1) = 29\}$ , ogf ]  
A257651 6.24647 [  $(-(-3x^6-x^5-6x^4-2x^3-4x^2-2)/(x^7+x^6+2x^5+2x^4+2x^3+2x^2+x+1))$  ogf\_with\_Euler\_transform ]  
A257653 6.39512 [  $(-3x^{11}+3x^9-2x^8+3x^7+5x^5+3x^3-2x^2+3x)/(x^{12}+1)$  ogf\_with\_Euler\_transform ]  
A257656 5.27858 [  $(-4x^9-x^8-2x^7-x^6+5x^5+x^3-x^2+2x-1)/(-x^{10}+x^8-x^6+x^4-x^2+1)$  ogf\_with\_Euler\_transform ]  
A257657 5.22522 [  $(-(-x^{11}-3x^{10}-x^9-x^8-x^7-3x^6-2x^5-3x^4-x^3-x^2-x-3)/(x^{12}-1))$  ogf\_with\_Euler\_transform ]  
A257666 5.94759 [  $(-x^9+x^8-2x^6-3x^5-2x^4+x^3-x-1)/(x+1)/(x^8-x^5-2x^4-x^3-x+1)$  ogf ]  
A257708 8.10251 [  $(x^2+4x+5)*(2x^2-2x-5)/(x-1)/(x^2+2x-1)/(x^2-2x-1)$  ogf ]  
A257709 4.75008 [  $(2x^{12}+x^{11}+6x^{10}+2x^9+5x^8+2x^7-14x^6-9x^5-50x^4-14x^3-25x^2-6x-8)/(x-1)/(x^{12}-10x^6+1)$  ogf ]  
A257711 6.67829 [  $-21*(x^4-245x^2+156x+10)/(x-1)/(x^2-16x+1)/(x^2+16x+1)$  ogf ]  
A257712 5.11738 [  $(-12*(3x^8+7x^6+13x^5-3387x^4+2312x^3+75x^2+13x+10)/(x-1)/(x^2+6x+1)/(x^2-6x+1)/(x^4+34x^2+1))$  ogf ]  
A257713 4.95212 [  $(-15*(8x^8-5x^7+5x^5-11445x^4+7595x^3+1444x^2+385x+99)/(x-1)/(x^2+6x-1)/(x^2-6x-1)/(x^4+38x^2+1))$  ogf ]  
A257721 3.96645 [  $\{-a(n+3)+1155a(n+2)-1155a(n+1)+a(n), a(0) = 703, a(1) = 810901, a(2) = 935778691\}$ , ogf ]

A257721 7.32692 [  $-(x^2-1064x+703)/(x-1)/(x^2-1154x+1)$  ogf]  
A257723 4.62915 [  $-2*(473x^4+1620x^3-17683432x^2+14982300x+23639)/(x-1)/(x^2+194x+1)/(x^2-194x+1)$  ogf]  
A257761 9.36165 [  $-46*(x-1)*(2x+1)*(x+2)/(x^4-48x^2+1)$  ogf]  
A257765 7.27480 [  $-39*(x^5+x^4+5x^3-61x^2-41x-5)/(x^6-102x^3+1)$  ogf]  
A257767 4.79193 [  $-11*(8x^{11}+5x^{10}+5x^9+8x^8+13x^7+23x^6-328x^5-127x^4-103x^3-40x^2-23x-13)/(x^{12}-46x^6+1)$  ogf]  
A257780 9.25700 [  $-94*(x^3+x^2-55x-41)/(x^4-96x^2+1)$  ogf]  
A257781 5.08997 [  $-5*(39x^{11}+31x^{10}+27x^9+23x^8+21x^7+21x^6-211x^5-159x^4-131x^3-99x^2-77x-49)/(x^6+2x^3-1)/(x^6-2x^3-1)$  ogf]  
A257792 13.1004 [  $-1/(x^2+x+1)/(x^7-2x^6+x^5+x^4-x^3+2x-1)$  ogf]  
A257811 9.06929 [  $-(6x^{11}+11x^{10}+4x^9+9x^8+2x^7+7x^6+12x^5+5x^4+10x^3+3x^2+8x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A257823 5.96426 [  $-59*(x-1)*(7x^6+16x^5+163x^4+354x^3+163x^2+16x+7)/(x^8-1060x^4+1)$  ogf]  
A257826 5.79202 [  $-22*(11x^7+11x^6+101x^5+115x^4-2545x^3-1789x^2-115x-101)/(x^8-394x^4+1)$  ogf]  
A257828 4.86880 [  $-679*(x-1)*(x^4+2277x^3+5415742x^2+2277x+1)/(x^6-125619266x^3+1)$  ogf]  
A257838 3.88314 [  $\{(4n^2+18n+20)*a(n+1)+(15n^2+67n+76)*a(n+2)+(-8n^2-38n-36)*a(n+3)+(n^2+5n+4)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 16\}$ , ogf]  
A257844 11.1590 [  $x^5*(3x^2+2x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A257845 10.0352 [  $x^6*(4x^3+3x^2+2x+1)/(x^4+x^3+x^2+x+1)^2/(x-1)^2$  ogf]  
A257846 8.89198 [  $x^7*(5x^4+4x^3+3x^2+2x+1)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2$  ogf]  
A257847 7.66805 [  $x^8*(6x^5+5x^4+4x^3+3x^2+2x+1)/(x-1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)^2$  ogf]  
A257848 7.03550 [  $x^9*(7x^6+6x^5+5x^4+4x^3+3x^2+2x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2/(x^4+1)^2$  ogf]  
A257849 7.42184 [  $x^{10}*(8x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1)/(x-1)^2/(x^2+x+1)^2/(x^6+x^3+1)^2$  ogf]  
A257850 6.78777 [  $x^{11}*(9x^8+8x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1)/(x-1)^2/(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x^4-x^3+x^2-x+1)^2$  ogf]  
A257859 3.22775 [  $\{(-2-n)*a(n+1)+(2n^2+11n+18)*a(n+2)+(-4n^2-31n-58)*a(n+3)+(2n+8)*a(n+4), a(0) = 2, a(1) = 1, a(2) = 1, a(3) = 4\}$ , ogf]  
A257863 10.3516 [  $-(-6x^5+5x^4-2x-1)/(-x^6+x^5-x^2-x+1)$  lgdogf]  
A257863 18.4028 [  $-1/(x^6-x^5+x^2+x-1)$  ogf]  
A257873 4.59823 [  $-(3x^{11}+2x^{10}-x^9+4x^7+2x^6+2x^4+x^3+2x+2)/(-x^{12}+x^{10}-x^8+x^4-x^2+1)$  ogf\_with\_Euler\_transform]  
A257890 5.20675 [  $\{(n+9)*a(n+1)+(-3n-22)*a(n+2)+(2n+8)*a(n+3), a(0) = 3, a(1) = 12, a(2) = 34\}$ , ogf]  
A257890 7.65992 [  $(x^2-x+1)*(x^2-3x+3)/(x-1)^6$  ogf]  
A257890 7.88745 [  $-(-2x^4+8x^3-16x^2+16x-12)/(-x^5+5x^4-11x^3+13x^2-9x+3)$  lgdogf]  
A257919 6.06758 [  $-(1080x^3-453x^2+4x-7)/(27x-1)/(9x-1)/(3x-1)^2/(x-1)^2$  ogf]  
A257920 7.25894 [  $-(2x^4-2x^3+5x^2-3x+2)/(-x^5-x^3-x^2-1)$  ogf\_with\_Euler\_transform]  
A257925 6.51396 [  $(x+1)*(x^3-3x^2-9x-1)/(x-1)^5$  ogf]  
A257931 4.90605 [  $x*(x^2+x+1)*(x^4+x^3+x^2+x+1)*(x-1)^2/(x^2-x+1)/(x^8-x^4+1)$  ogf]  
A257932 15.3612 [  $1/(x-1)/(x+1)/(x^2+x+1)/(x^3-x^2+2x-1)$  ogf]  
A257932 9.12074 [  $-(-7x^6-5x^4+3x^2+2x+1)/(-x^7-x^5+x^3+x^2+x-1)$  lgdogf]  
A257934 13.3800 [  $1/(x-1)/(x+1)/(x^2+1)/(x^3+x^2+x-1)$  ogf]  
A257936 10.9787 [  $\{a(n+2)-a(n+1), a(0) = 6, a(1) = 1\}$ , ogf]  
A257936 21.3639 [  $(-6+5x)/(x-1)$  ogf]

A257936 21.3639 [-1/(-5\*x^2+11\*x-6) lgdogf]  
A257939 7.17707 [-2\*x\*(3\*x^3+19\*x^2+57\*x+1)/(x-1)/(x^2+18\*x+1)/(x^2-18\*x+1) ogf]  
A257940 7.09765 [ x\*(3\*x^3+17\*x^2-51\*x-1)/(x-1)/(x^2+18\*x+1)/(x^2-18\*x+1) ogf]  
A257942 6.14903 [ -(x^6+9\*x^4-8\*x^3+9\*x^2+1)/(x-1)^3/(x^2+1)^3 ogf]  
A257956 6.13316 [ (5\*x^2+3\*x+1)/(2\*x^2+2\*x-1)/(x^2+x-1) ogf]  
A257970 13.1886 [ -(-6\*x^2-2)/(3\*x^3-x^2-3\*x+1) lgdogf]  
A257970 14.9305 [ -(x+1)\*(x-1)^2/(3\*x-1) ogf]  
A257970 8.15790 [{-a(n+4)+3\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 16}, ogf]  
A257984 8.23582 [ (x^7+3\*x^6+3\*x^5+4\*x^4+3\*x^3+3\*x^2+3\*x+2)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A258000 9.68878 [ -1/(x^9-x^7-x^6-x^5+x^4+x^3+x^2+x-1) ogf]  
A258011 7.81219 [ (5\*x^12+4\*x^11+2\*x^10+4\*x^9+2\*x^8+4\*x^7+6\*x^6+2\*x^5+4\*x^4+2\*x^3+4\*x^2+2\*x+1)/(x+1)/(x^4-x^2+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2 ogf]  
A258016 10.4935 [{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 19, a(1) = 39, a(2) = 61}, ogf]  
A258016 13.8707 [ -(3\*x^3+43\*x^2+83\*x+39)/(3\*x^4+20\*x^3+16\*x^2-20\*x-19) lgdogf]  
A258016 19.1548 [ (3\*x^2+20\*x+19)/(x+1)/(x-1)^2 ogf]  
A258049 6.59586 [ -(x^21-x^20+x^19-x^18-x^9+2\*x^8-x^7-x^4+x^3-x^2-1)/(x-1)^2 ogf]  
A258050 7.53485 [ (x^20-x^19+x^17-x^16-x^7+2\*x^6-x^5-x^2+3)/(x-1)^2 ogf]  
A258054 9.06929 [ -(8\*x^11+3\*x^10+10\*x^9+5\*x^8+12\*x^7+7\*x^6+2\*x^5+9\*x^4+4\*x^3+11\*x^2+6\*x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1) ogf]  
A258056 5.39168 [ (7\*x^14+14\*x^13+28\*x^12+56\*x^11+112\*x^10+224\*x^9+21\*x^8+42\*x^7+84\*x^6+28\*x^5+56\*x^4-265\*x^3-113\*x^2-226\*x-75)/(x-1)/(x^2+x+1) ogf]  
A258065 10.7530 [ -(-4\*x^5-2\*x^3-4\*x^2-2\*x)/(x^6-1) ogf\_with\_Euler\_transform]  
A258069 43.2800 [2/(-x+1) lgdogf]  
A258069 92.9931 [[2] ogf\_with\_Euler\_transform]  
A258070 10.2102 [{a(n+2)-2\*a(n+1)+a(n), a(0) = 0, a(1) = 1}, ogf]  
A258070 25.0613 [ x/(x-1)^2 ogf]  
A258070 29.5366 [2/(-x+1) lgdogf]  
A258070 63.3938 [[2] ogf\_with\_Euler\_transform]  
A258071 10.2102 [{a(n+2)-2\*a(n+1)+a(n), a(0) = 0, a(1) = 1}, ogf]  
A258071 25.0613 [ x/(x-1)^2 ogf]  
A258071 29.5366 [2/(-x+1) lgdogf]  
A258071 63.3938 [[2] ogf\_with\_Euler\_transform]  
A258073 12.4204 [ -(157116\*x-157115)/(2\*x-1)/(x-1) ogf]  
A258073 6.90020 [ -(-314232\*x^2+628460\*x-314229)/(-314232\*x^3+785578\*x^2-628461\*x+157115) lgdogf]  
A258073 7.42522 [{a(n+2)-3\*a(n+1)+2\*a(n), a(0) = 157115, a(1) = 314229}, ogf]  
A258085 9.56929 [ -x\*(x^6+x^5+x^4-x^2-2\*x-1)/(x-1)/(x+1)/(x^4+x^2-1) ogf]  
A258087 8.91637 [ x^2\*(x^3-x^2-2\*x-1)/(x+1)^2/(x-1)^3 ogf]  
A258087 9.42298 [ -(2\*x^4+2\*x^3+6\*x^2+9\*x+3)/(-x^5+x^4+3\*x^3-2\*x-1) lgdogf]  
A258089 11.1065 [ x\*(2\*x+1)\*(4\*x-1)/(x^4+2\*x^3+3\*x^2+4\*x-1) ogf]  
A258089 6.81325 [ -(-16\*x^5-22\*x^4-4\*x^3+32\*x^2-10\*x+2)/(-8\*x^6-18\*x^5-27\*x^4-36\*x^3+3\*x^2+6\*x-1) lgdogf]  
A258090 9.73765 [ -(-4\*x^3+2\*x^2-2)/(x^4-x^3+x-1) ogf\_with\_Euler\_transform]  
A258093 15.1388 [ -(-2\*x+1)/(-x^2+x-1) ogf\_with\_Euler\_transform]  
A258096 6.56272 [ -(4\*x^6+2\*x^5+x^4-x^3+5\*x^2+3\*x+2)/(-x^7-x^6-x^5-x^4-x^3-x^2-x-1) ogf\_with\_Euler\_transform]  
A258109 12.1223 [ -(6\*x^2-14\*x+5)/(2\*x^3-7\*x^2+5\*x-1) lgdogf]  
A258109 21.2959 [ -1/(2\*x-1)/(x^2-3\*x+1) ogf]  
A258109 6.97299 [{a(n+3)-5\*a(n+2)+7\*a(n+1)-2\*a(n), a(0) = 1, a(1) = 5, a(2) = 18}, ogf]  
A258121 13.4375 [ -(x-2)\*(x^2+1)/(x^2-3\*x+1) ogf]  
A258121 7.06628 [{-a(n+4)+3\*a(n+3)-a(n+2), a(0) = 2, a(1) = 5, a(2) = 15, a(3) = 39}, ogf]



A258121 8.90966 [  $-(x^4-6x^3+8x^2-5)/(-x^5+5x^4-8x^3+7x^2-7x+2)$  lgdogf ]  
A258130 4.00238 [  $\{-a(n+3)+1443a(n+2)-1443a(n+1)+a(n), a(0) = 1045, a(1) = 1325345, a(2) = 1910970885\}$ , ogf ]  
A258130 6.97850 [  $-95*(63x^2-1922x+11)/(x-1)/(x^2-1442x+1)$  ogf ]  
A258131 5.34606 [  $-11*(95x^4-64x^3-37550x^2+27136x+4515)/(x-1)/(x^2+20x+1)/(x^2-20x+1)$  ogf ]  
A258133 4.51618 [  $(x^9-x^7-x^6+x^4-x^3+x+1)/(x^2-x+1)/(x^2+x+1)^2/(x+1)^2/(x-1)^2$  ogf ]  
A258160 12.3743 [  $-(-x^2+4x+1)/(-x^3+x^2+3x-2)$  lgdogf ]  
A258160 17.2165 [  $8*(x-2)/(x^2+x-1)$  ogf ]  
A258160 9.54166 [  $\{-a(n+2)+a(n+1)+a(n), a(0) = 16, a(1) = 8\}$ , ogf ]  
A258196 8.85626 [  $-(-2x^5-x^3-2x^2-x)/(x^6-1)$  ogf\_with\_Euler\_transform ]  
A258199 16.1610 [  $-x*(14x^{17}+3x^3+1)/(x-1)$  ogf ]  
A258210 7.20334 [  $-(2x^5+x^4+2x^3+2x^2+2x+1)/(-x^6+1)$  ogf\_with\_Euler\_transform ]  
A258225 6.61793 [  $(100x^{30}-100x^{29}-100x^{12}+70x^{11}-30x^{10}+60x^9-3x^2-3x+7)/(x^2+x+1)/(x-1)^2$  ogf ]  
A258228 4.32357 [  $-(2x^{11}-x^{10}+3x^9-2x^8+2x^7-x^6+4x^5-x^4+2x^3-2x^2+3x-1)/(-x^{12}+1)$  ogf\_with\_Euler\_transform ]  
A258272 4.61592 [  $(100x^7+50x^6+30x^5+10x^4+5x^3+3x^2+x+1)/(x-1)^2$  ogf ]  
A258274 6.79196 [  $(50x^8+25x^7+15x^6+5x^5+4x^4+1)/(x-1)^2$  ogf ]  
A258277 8.73890 [  $-(-2x^5-x^4-2x^2-1)/(x^6-1)$  ogf\_with\_Euler\_transform ]  
A258278 8.83590 [  $-(-2x^3+2x-2)/(x^4-x^3+x-1)$  ogf\_with\_Euler\_transform ]  
A258279 8.08991 [  $-(-2x^5+2x^4-2x^3-2x+2)/(x^6-1)$  ogf\_with\_Euler\_transform ]  
A258291 8.79471 [  $-(-2x^5-x^4-2x^3-2x-1)/(x^6-1)$  ogf\_with\_Euler\_transform ]  
A258313 13.1168 [  $-(4x^5-4x^3+x)/(-2x^2-3x-1)$  revogf ]  
A258321 10.6661 [  $-x*(2x+1)*(x-2)/(x^2+x-1)^2$  ogf ]  
A258321 9.73278 [  $-(-4x^3+9x^2+7x+7)/(-2x^4+x^3+7x^2-x-2)$  lgdogf ]  
A258329 4.78113 [  $-(80x^{16}-40x^{15}+60x^{14}-50x^{13}-40x^{12}+60x^{11}-50x^{10}-20x^9+7x^6-3x^5-3x^4+7x^3-3x^2-3x-3)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A258340 12.6953 [  $(4x-1)/(x-1)/(3x-1)/(7x-1)$  ogf ]  
A258340 6.12878 [  $\{a(n+3)-11a(n+2)+31a(n+1)-21a(n), a(0) = 1, a(1) = 7, a(2) = 46\}$ , ogf ]  
A258340 7.89932 [  $-(168x^3-187x^2+62x-7)/(84x^4-145x^3+75x^2-15x+1)$  lgdogf ]  
A258341 10.7627 [  $-(2x^3+6x^2+4x+2)/(x^6-3x^4+3x^2-1)$  ogf\_with\_Euler\_transform ]  
A258342 8.08330 [  $-(-6x^4-24x^3-36x^2-18x-6)/(x^8-4x^6+6x^4-4x^2+1)$  ogf\_with\_Euler\_transform ]  
A258343 8.59854 [  $-(x^4+4x^3+6x^2+3x+1)/(-x^8+4x^6-6x^4+4x^2-1)$  ogf\_with\_Euler\_transform ]  
A258344 10.2171 [  $-(-2x^4-4x^3-6x^2-2x)/(x^6+3x^4-3x^2+1)$  ogf\_with\_Euler\_transform ]  
A258345 7.65270 [  $-(6x^6+18x^5+36x^4+24x^3+6x^2)/(x^8+4x^6-6x^4+4x^2-1)$  ogf\_with\_Euler\_transform ]  
A258346 8.06368 [  $-(x^6+3x^5+6x^4+4x^3+x^2)/(-x^8+4x^6-6x^4+4x^2-1)$  ogf\_with\_Euler\_transform ]  
A258347 18.6433 [  $2/(-x^3+3x^2-3x+1)$  ogf\_with\_Euler\_transform ]  
A258348 17.7156 [  $2x/(-x^3+3x^2-3x+1)$  ogf\_with\_Euler\_transform ]  
A258349 19.8405 [  $x/(-x^3+3x^2-3x+1)$  ogf\_with\_Euler\_transform ]  
A258350 15.5011 [  $-6/(-x^4+4x^3-6x^2+4x-1)$  ogf\_with\_Euler\_transform ]  
A258351 14.5032 [  $-6x^2/(-x^4+4x^3-6x^2+4x-1)$  ogf\_with\_Euler\_transform ]  
A258352 14.7581 [  $-x^2/(-x^4+4x^3-6x^2+4x-1)$  ogf\_with\_Euler\_transform ]  
A258386 13.6835 [  $-(-x^2+3x)/(-x^3+x^2+x-1)$  ogf\_with\_Euler\_transform ]  
A258390 3.89668 [  $\{(-32n^2-256n-504)*a(n+1)+(12n^2+114n+270)*a(n+2)+(-n^2-11n-30)*a(n+3), a(0) = 2, a(1) = 15, a(2) = 98\}$ , ogf ]  
A258402 4.31959 [  $\{(7n^2+50n+72)*a(n+1)+(-24n^2-152n-200)*a(n+2)+(17n^2+62n+56)*a(n+3), a(0) = 0, a(1) = 11, a(2) = 72\}$ , ogf ]  
A258402 8.59274 [  $-x*(3x^3-7x^2+17x+11)/(x-1)^5$  ogf ]  
A258402 9.29215 [  $-(6x^3-12x^2+54x+72)/(3x^4-10x^3+24x^2-6x-11)$  lgdogf ]

A258431 5.32309 [  $\{(-16^n \cdot 8) \cdot a(n) + (8^{n+6}) \cdot a(n+1) + (-n-1) \cdot a(n+2), a(0) = 0, a(1) = 1, a(2) = 5\}$ , ogf]
  
A258431 9.21804 [  $(-1/2 \cdot (8^x + 1) / (-1 + 4^x)^{1/2} - 1/2 \cdot I) / x / (-1 + 4^x)^{1/2}$  lgdogf]
  
A258439 11.5543 [  $-(3^x \cdot x^3 + 2^x \cdot x^2 - x - 1) / (3^x \cdot x^2 - 1) / (2^x \cdot x^2 - 1)$  ogf]
  
A258440 11.7821 [  $(2^x \cdot x^3 + 3^x \cdot x^2 + 5^x \cdot x + 3) / (x + 1) / (x^2 + x + 1) / (x - 1)^4$  ogf]
  
A258470 4.59880 [  $-x^7 \cdot (x^{10} - x^3 - 1) / (x^4 - x^3 + x^2 - x + 1) / (x^4 + x^3 + x^2 + x + 1)^2 / (x + 1)^2 / (x - 1)^4$  ogf]
  
A258538 3.63333 [  $-4 \cdot (432 \cdot x^8 - 918 \cdot x^7 - 183 \cdot x^6 + 1473 \cdot x^5 - 541 \cdot x^4 - 635 \cdot x^3 + 350 \cdot x^2 + 79 \cdot x - 55) / (x + 1) / (3^x - 1) / (3^x \cdot x^2 - 1)^2 / (x - 1)^3$  ogf]
  
A258547 10.6313 [  $-4 \cdot (2^x \cdot x^2 - 5^x \cdot x + 4) / (2^x \cdot x - 1) / (x - 1)^2$  ogf]
  
A258547 5.77390 [  $\{a(n+3) - 4 \cdot a(n+2) + 5 \cdot a(n+1) - 2 \cdot a(n), a(0) = 16, a(1) = 44, a(2) = 104\}$ , ogf]
  
A258547 7.78805 [  $-(4 \cdot x^3 - 16 \cdot x^2 + 25 \cdot x - 11) / (4 \cdot x^4 - 16 \cdot x^3 + 25 \cdot x^2 - 17 \cdot x + 4)$  lgdogf]
  
A258548 3.82984 [  $(x^{10} - 6 \cdot x^9 + 2 \cdot x^8 + 12 \cdot x^7 - 12 \cdot x^6 - 18 \cdot x^5 + 43 \cdot x^4 + 16 \cdot x^3 - 68 \cdot x^2 + 64 \cdot x - 44) / (x^6 - x^4 - x^2 - x + 1) / (x - 1)^3$  ogf]
  
A258549 4.13224 [  $(29 \cdot x^{10} - 103 \cdot x^9 + 129 \cdot x^8 - 67 \cdot x^7 + 28 \cdot x^6 + 68 \cdot x^5 - 156 \cdot x^4 + 304 \cdot x^3 - 382 \cdot x^2 + 206 \cdot x - 104) / (x + 1) / (x^2 + 1) / (x - 1)^5$  ogf]
  
A258550 3.72111 [  $-(14 \cdot x^{11} - 136 \cdot x^{10} + 357 \cdot x^9 - 433 \cdot x^8 + 412 \cdot x^7 - 128 \cdot x^6 - 502 \cdot x^5 + 724 \cdot x^4 - 897 \cdot x^3 + 977 \cdot x^2 - 568 \cdot x + 228) / (x + 1) / (x^2 + 1) / (x - 1)^5$  ogf]
  
A258551 3.53370 [  $-(3^x \cdot x^{12} + 50 \cdot x^{11} - 368 \cdot x^{10} + 778 \cdot x^9 - 834 \cdot x^8 + 1120 \cdot x^7 - 888 \cdot x^6 - 579 \cdot x^5 + 1428 \cdot x^4 - 1987 \cdot x^3 + 2259 \cdot x^2 - 1414 \cdot x + 480) / (x + 1) / (x^2 + 1) / (x - 1)^5$  ogf]
  
A258555 5.29123 [  $(x^9 + 8 \cdot x^8 - 5 \cdot x^7 + 13 \cdot x^6 + 7 \cdot x^5 - 52 \cdot x^4 + 6 \cdot x^3 + 6 \cdot x^2 - 20 \cdot x + 44) / (x + 1) / (x^2 + 1) / (x - 1)^4$  ogf]
  
A258556 5.04604 [  $(6 \cdot x^9 + 37 \cdot x^8 - 31 \cdot x^7 - 7 \cdot x^6 + 81 \cdot x^5 - 158 \cdot x^4 - 25 \cdot x^3 + 22 \cdot x^2 - 16 \cdot x + 104) / (x + 1) / (x^2 + 1) / (x - 1)^4$  ogf]
  
A258557 4.58379 [  $(40 \cdot x^{10} + 16 \cdot x^9 - 28 \cdot x^8 - 37 \cdot x^7 + 35 \cdot x^6 + 248 \cdot x^5 - 312 \cdot x^4 - 113 \cdot x^3 - 28 \cdot x^2 - 32 \cdot x + 228) / (x + 1) / (x^2 + 1) / (x - 1)^4$  ogf]
  
A258558 4.09276 [  $(108 \cdot x^{11} + 88 \cdot x^{10} - 230 \cdot x^9 + 214 \cdot x^8 - 309 \cdot x^7 + 245 \cdot x^6 + 441 \cdot x^5 - 849 \cdot x^4 + 109 \cdot x^3 - 163 \cdot x^2 - 111 \cdot x + 480) / (x + 1) / (x^2 + 1) / (x - 1)^4$  ogf]
  
A258559 3.81936 [  $(72 \cdot x^{12} + 277 \cdot x^{11} - 36 \cdot x^{10} - 488 \cdot x^9 + 724 \cdot x^8 - 1076 \cdot x^7 + 738 \cdot x^6 + 879 \cdot x^5 - 1827 \cdot x^4 + 858 \cdot x^3 - 646 \cdot x^2 - 434 \cdot x + 988) / (x + 1) / (x^2 + 1) / (x - 1)^4$  ogf]
  
A258582 11.3414 [  $x \cdot (x^2 + 10 \cdot x + 5) / (x - 1)^4$  ogf]
  
A258582 12.7162 [  $-(-2 \cdot x^2 - 32 \cdot x - 30) / (-x^3 - 9 \cdot x^2 + 5 \cdot x + 5)$  lgdogf]
  
A258582 4.19634 [  $\{(15 + 5^n) \cdot a(n+4) + (-20 + 5^n) \cdot a(n+3) + (-41 - 9^n) \cdot a(n+2) + (-2 - n) \cdot a(n+1), a(0) = 0, a(1) = 5, a(2) = 30, a(3) = 91\}$ , ogf]
  
A258588 10.2830 [  $-(4 \cdot x^3 - 4 \cdot x^2 - 10 \cdot x - 1) / (x + 1) / (x - 1)^2$  ogf]
  
A258588 5.33194 [  $\{a(n+4) - a(n+3) - a(n+2) + a(n+1), a(0) = 1, a(1) = 11, a(2) = 16, a(3) = 22\}$ , ogf]
  
A258588 8.46838 [  $-(12 \cdot x^2 + 21 \cdot x + 11) / (-4 \cdot x^5 + 4 \cdot x^4 + 14 \cdot x^3 - 3 \cdot x^2 - 10 \cdot x - 1)$  lgdogf]
  
A258589 11.8502 [  $-(5 \cdot x^3 - 5 \cdot x^2 - 12 \cdot x - 1) / (x + 1) / (x - 1)^2$  ogf]
  
A258589 6.14457 [  $\{a(n+4) - a(n+3) - a(n+2) + a(n+1), a(0) = 1, a(1) = 13, a(2) = 19, a(3) = 26\}$ , ogf]
  
A258589 9.75902 [  $-(14 \cdot x^2 + 25 \cdot x + 13) / (-5 \cdot x^5 + 5 \cdot x^4 + 17 \cdot x^3 - 4 \cdot x^2 - 12 \cdot x - 1)$  lgdogf]
  
A258597 13.9545 [  $\{a(n+1) - 3 \cdot a(n), a(0) = 13\}$ , ogf]
  
A258597 26.4139 [  $3 / (-3 \cdot x + 1)$  lgdogf]
  
A258597 28.4457 [  $-13 / (3 \cdot x - 1)$  ogf]
  
A258598 14.1389 [  $\{a(n+1) - 3 \cdot a(n), a(0) = 17\}$ , ogf]
  
A258598 26.7630 [  $3 / (-3 \cdot x + 1)$  lgdogf]
  
A258598 28.8217 [  $-17 / (3 \cdot x - 1)$  ogf]
  
A258617 10.4763 [  $-4 \cdot x \cdot (x^2 - 4 \cdot x - 3) / (x - 1)^4$  ogf]
  
A258617 11.9048 [  $-(2 \cdot x^2 - 10 \cdot x - 16) / (x^3 - 5 \cdot x^2 + x + 3)$  lgdogf]
  
A258617 3.90905 [  $\{(-9 - 3^n) \cdot a(n+4) + (14 - n) \cdot a(n+3) + (15 + 5^n) \cdot a(n+2) + (-2 - n) \cdot a(n+1), a(0) = 0, a(1) = 12, a(2) = 64, a(3) = 180\}$ , ogf]

A258618 10.4763 [  $-x*(5*x^2-16*x-13)/(x-1)^4$  ogf]  
A258618 11.3872 [  $-(-10*x^2+38*x+68)/(-5*x^3+21*x^2-3*x-13)$  lgdogf]  
A258618 3.83278 [  $\{(39+13*n)*a(n+4)+(-62+3*n)*a(n+3)+(-59-21*n)*a(n$   
 $+2)+(10+5*n)*a(n+1), a(0) = 0, a(1) = 13, a(2) = 68, a(3) = 189\}$ , ogf]  
A258674 7.13051 [  $-64*(256*x^3+80*x^2+15*x+5)/(16*x^2+2*x-1)/(16*x^2+1)$  ogf]  
A258675 3.29010 [  $-16*(1048576*x^7-442368*x^6+85248*x^5-33408*x^4-4964*x^3+2200*x^2-275*x+100)/$   
 $(4*x-1)/(4*x+1)/(16*x^2-9*x+1)/(256*x^4+36*x^2+1)$  ogf]  
A258684 10.0144 [  $-(x^2+2*x-63)/(x^3-61*x^2-61*x+1)$  lgdogf]  
A258684 14.5862 [  $(x+1)/(x^2-62*x+1)$  ogf]  
A258684 7.98770 [  $\{-a(n+2)+62*a(n+1)-a(n), a(0) = 1, a(1) = 63\}$ , ogf]  
A258701 1.81331 [  $[-2*x^3/(2*x^2-1)]$  ogf\_with\_Euler\_transform]  
A258717 11.1784 [  $-(10*x^3-20*x^2-22*x-16)/(5*x^4-10*x^3-8*x^2+10*x+3)$  lgdogf]  
A258717 14.5658 [  $x*(5*x^2-10*x-3)/(x+1)/(x-1)^3$  ogf]  
A258721 11.7773 [  $-(x^2+38*x+105)/(x^3+17*x^2+11*x-29)$  lgdogf]  
A258721 13.0859 [  $-(x^2+18*x+29)/(x-1)^3$  ogf]  
A258721 7.04626 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 29, a(1) = 105, a(2) =$   
 $229\}$ , ogf]  
A258723 14.2634 [  $-(6-48*x)/(-48*x^2+12*x-1)$  lgdogf]  
A258723 4.69312 [  $\{(n+3)*a(n+3)+(-30-12*n)*a(n+2)+(96+48*n)*a(n+1), a(0) = 1,$   
 $a(1) = 6, a(2) = 30\}$ , ogf]  
A258725 3.83518 [  $-(60*x^7-464*x^6+836*x^5-1215*x^4+1712*x^3-736*x^2+152*x-190)/$   
 $(x^8-8*x^7+16*x^6-24*x^5+34*x^4-20*x^3+6*x^2-4*x+1)$  ogf]  
A258731 4.57136 [  $-(x-2)*(4*x^6-23*x^5+58*x^4-80*x^3+64*x^2-30*x+8)/(x-1)^8$  ogf]  
A258732 4.42797 [  $-(10*x^7-80*x^6+282*x^5-576*x^4+740*x^3-600*x^2+287*x-64)/$   
 $(x-1)^8$  ogf]  
A258733 3.97069 [  $(x^8-32*x^7+242*x^6-904*x^5+2026*x^4-2856*x^3+2476*x^2-1208*x$   
 $+256)/(x-1)^8$  ogf]  
A258734 3.55900 [  $(204*x^9-1576*x^8+5164*x^7-8940*x^6+7460*x^5+988*x^4-9403*x^3+10136*x^2-5056*x$   
 $+1024)/(x-1)^8$  ogf]  
A258735 3.36393 [  $(1476*x^{10}-9344*x^9+22372*x^8-20224*x^7-9050*x^6+30588*x^5-7096*x^4-33764*x^3+42$   
 $011*x^2-21064*x+4096)/(x-1)^8$  ogf]  
A258747 6.40872 [  $-(2*x^{11}+x^{10}+x^6+3*x^5+x^4+1)/(-x^{12}+1)$   
ogf\_with\_Euler\_transform]  
A258756 6.73768 [  $(x^{43}-x^{42}+x^{31}-x^{30}+x^{28}-x^{26}+x^{19}-x^{18}+x^{16}-$   
 $x^{14}+4*x^{13}-3*x^{12}+x^{10}-2*x^8+x^7-x^6-x^4-x^2-1)/(x-1)$  ogf]  
A258764 6.48985 [  $-(2*x^{11}+x^9+2*x^8+x^5+2*x^2+x)/(-x^{12}+1)$   
ogf\_with\_Euler\_transform]  
A258770 7.11843 [  $-(-5*x^{11}-4*x^9-x^8-4*x^7-4*x^5-4*x^3-x^2-4*x)/(x^{12}-1)$   
ogf\_with\_Euler\_transform]  
A258771 12.4777 [  $-(-5*x^3+7*x^2-12*x+7)/(x^4-1)$  ogf\_with\_Euler\_transform]  
A258779 11.6011 [  $-(4*x^3-2*x^2+8*x-2)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A258800 5.58459 [  $-x*(x^2+x+1)*(x^6+x^3+1)/(x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1)$   
ogf]  
A258806 5.04198 [  $(127*x^6+1170*x^5+2451*x^4+1156*x^3+141*x^2-6*x+1)/(x-1)^8$   
ogf]  
A258807 7.11882 [  $x*(x^4-4*x^3+36*x^2+56*x+31)/(x-1)^6$  ogf]  
A258807 7.45461 [  $-(-2*x^4+8*x^3-132*x^2-352*x-242)/(-$   
 $x^5+5*x^4-40*x^3-20*x^2+25*x+31)$  lgdogf]  
A258808 4.77154 [  $x*(x^6-6*x^5+141*x^4+1156*x^3+2451*x^2+1170*x+127)/(x-1)^8$   
ogf]  
A258809 4.04802 [  $x*(x^7-9*x^6-219*x^5-4349*x^4-15549*x^3-15675*x^2-4265*x-255)/$   
 $(x-1)^9$  ogf]  
A258810 3.60056 [  $x*(x^8-8*x^7+538*x^6+14524*x^5+88360*x^4+156064*x^3+88318*x^2+14572*x+511)/$   
 $(x-1)^{10}$  ogf]  
A258831 7.71187 [  $-(4*x^{11}+2*x^{10}-2*x^9+2*x^6+4*x^5+2*x^4-2*x+2)/(-x^{12}+1)$   
ogf\_with\_Euler\_transform]  
A258832 6.59024 [  $-(2*x^{11}+x^{10}-x^9+x^6+2*x^5+x^4-x+1)/(-x^{12}+1)$

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ogf_with_Euler_transform]
A258835 12.6979 [ -(-4*x^4-x^3-3)/(x^5+x^4+x+1) ogf_with_Euler_transform]
A258837 12.4950 [ (3*x-1)/(x-1)^3 ogf]
A258837 16.5558 [-6*x/(3*x^2-4*x+1) lgdogf]
A258837 5.96606 [ {-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 1, a(1) = 0, a(2) =
-3}, ogf]
A258841 10.0557 [ -(-2173*x^2+3818*x-1699)/(-2173*x^3+6255*x^2-6009*x+1927)
lgdogf]
A258841 12.2105 [ -(2173*x^2-4082*x+1927)/(x-1)^3 ogf]
A258841 7.06391 [ {a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1927, a(1) = 1699, a(2)
= 1489}, ogf]
A258869 11.1865 [ (x^15-x^5-x^2-x-1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1) ogf]
A258886 3.74132 [
(2472*x^10-4321*x^9-6524*x^8+14085*x^7+4728*x^6-16467*x^5+226*x^4+8075*x^3-980*x
^2-1820*x-242)/(x+1)^3/(x-1)^5 ogf]
A258890 3.57274 [
(2916*x^10+883*x^9-11977*x^8-12889*x^7+28554*x^6+33043*x^5-43034*x^4-30871*x^3+3
3662*x^2+9722*x-10201)/(x+1)^3/(x-1)^5 ogf]
A258891 3.53549 [
(5404*x^10+6825*x^9-19844*x^8-59146*x^7+57626*x^6+136308*x^5-108182*x^4-122398*x
^3+95754*x^2+38331*x-30870)/(x+1)^3/(x-1)^5 ogf]
A258892 3.50035 [
(9760*x^10+23035*x^9-17437*x^8-207141*x^7+87878*x^6+482695*x^5-256742*x^4-436011
*x^3+270710*x^2+137310*x-94249)/(x+1)^3/(x-1)^5 ogf]
A258902 18.1990 [x-1/2*x^2-1/3*x^3 revegf]
A258918 5.07446 [ {a(n+3)-3*a(n+2)+6*a(n+1)-18*a(n), a(0) = 200, a(1) = 576, a(2)
= 1680}, ogf]
A258918 8.95493 [ -8*(144*x^2-3*x+25)/(3*x-1)/(6*x^2+1) ogf]
A258935 11.9419 [ -(4*x^2-4*x+5)/(-4*x^3-4*x^2+11*x-4) lgdogf]
A258935 17.2494 [ (2*x^2+3*x-4)/(2*x-1) ogf]
A258935 9.24077 [ {-a(n+3)+2*a(n+2), a(0) = 4, a(1) = 5, a(2) = 8}, ogf]
A258958 6.03270 [
2*(51*x^9+48*x^8+19*x^7+24*x^6+341*x^5-60*x^4-156*x^3-96*x^2-172*x-33)/
(2*x^2-1)/(2*x^2+1) ogf]
A258959 6.58195 [ 2*(x^8+3*x^7-11*x^5-11*x^4-2*x^3-87*x^2-112*x-33)/(x+1)/
(3*x^2-1) ogf]
A258960 3.80133 [
(8*x^12+8*x^11-59*x^10-117*x^9+374*x^8-172*x^7-884*x^6+600*x^5+415*x^4-7*x^3+228
*x^2-186*x-158)/(x-1)/(3*x^6-4*x^4-x^2+1) ogf]
A258961 6.03837 [
2*(4*x^9+12*x^8+3*x^7-12*x^6+51*x^5+70*x^4-268*x^3-225*x^2+137*x+107)/(x-1)/(x
+1)/(2*x^2-1) ogf]
A258962 5.03567 [
(51*x^11+62*x^10-32*x^9+878*x^7+1026*x^6-1677*x^5-1794*x^4-155*x^3-176*x^2+467*x
+462)/(x-1)/(x+1)/(2*x^2-1)/(2*x^2+1) ogf]
A258963 5.94475 [
2*(4*x^9+12*x^8+3*x^7-12*x^6+337*x^5+436*x^4-751*x^3-870*x^2+307*x+338)/(x-1)/(x
+1)/(2*x^2-1) ogf]
A258964 4.81693 [
(51*x^11+62*x^10-32*x^9+2050*x^7+4170*x^6-3613*x^5-5442*x^4-448*x^3-962*x^2+951*
x+1374)/(x-1)/(x+1)/(2*x^2-1)/(2*x^2+1) ogf]
A258965 5.61371 [
2*(4*x^9+12*x^8+3*x^7-12*x^6+629*x^5+1632*x^4-1511*x^3-2832*x^2+614*x+1020)/
(x-1)/(x+1)/(2*x^2-1) ogf]
A258973 10.0188 [1+1/2/x-1/2*x-1/2*(x^4-2*x^2+4*x+1)^(1/2)/x revegf]
A259022 18.9118 [x^8-x^4-x-1 ogf_with_Euler_transform]
A259022 5.54014 [ (x^4+x^3+x^2+x+1)*(x+1)*(x-1)^2/(x^2+x+1)/(x^6+x^3+1) ogf]
A259031 2.87726 [ -(128*x^3+12*x^2-11*x+3)/(4*x-1) ogf]
A259042 13.0060 [ -x*(x+1)*(x^2-x+1)/(x-1)/(x^4+1) ogf]
A259042 16.4316 [x^7-x^5-x^3+x^2+1 ogf_with_Euler_transform]
A259044 13.0903 [x*(x^6-x^4-x^3+x+1) ogf_with_Euler_transform]

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A259044 9.32016 [  $-x*(x^2-x+1)*(x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf ]  
A259054 5.04809 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 19, a(1) = 27, a(2) = 43\}$ , ogf ]  
A259054 8.17648 [  $-(-19*x^2+22*x-27)/(-19*x^3+49*x^2-49*x+19)$  lgdogf ]  
A259054 9.07078 [  $-(19*x^2-30*x+19)/(x-1)^3$  ogf ]  
A259055 11.1961 [  $-(-2*x^2+22*x+34)/(-2*x^3+15*x^2-6*x-7)$  lgdogf ]  
A259055 12.0990 [  $(2*x+1)*(x-7)/(x-1)^3$  ogf ]  
A259055 6.58018 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 7, a(1) = 34, a(2) = 79\}$ , ogf ]  
A259057 19.1431 [  $-20/(8*x+1)$  lgdegf ]  
A259057 6.16833 [  $\{(8*n+28)*a(n+1)+a(n+2), a(0) = -1, a(1) = 20\}$ , ogf ]  
A259058 11.1961 [  $-2*(193*x^2-416*x+227)/(x-1)^3$  ogf ]  
A259058 6.35713 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 454, a(1) = 530, a(2) = 614\}$ , ogf ]  
A259058 9.61719 [  $-(-193*x^2+446*x-265)/(-193*x^3+609*x^2-643*x+227)$  lgdogf ]  
A259059 10.1882 [  $-(-193*x^2+446*x-265)/(-193*x^3+609*x^2-643*x+227)$  lgdogf ]  
A259059 11.8609 [  $-(193*x^2-416*x+227)/(x-1)^3$  ogf ]  
A259059 6.73458 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 227, a(1) = 265, a(2) = 307\}$ , ogf ]  
A259060 8.10730 [  $-2*(2584*x^3-8285*x^2+8902*x-3213)/(x-1)^4$  ogf ]  
A259076 14.6202 [  $80/(-80*x+1)$  lgdogf ]  
A259076 19.9366 [  $-1/(80*x-1)$  ogf ]  
A259076 8.27558 [  $\{a(n+1)-80*a(n), a(0) = 1\}$ , ogf ]  
A259104 13.1023 [  $-(-x^2-5*x+7)/(-x^2+3*x-2)$  lgdegf ]  
A259104 3.23229 [  $\{(n^2+5*n+6)*a(n+1)+(n^2+8*n+15)*a(n+2)+(-2*n^2-21*n-52)*a(n+3)+(2*n+8)*a(n+4), a(0) = 4, a(1) = 14, a(2) = 60, a(3) = 310\}$ , ogf ]  
A259108 10.9893 [  $-(3*x^3+47*x^2+77*x+17)/(x^4+10*x^3-10*x-1)$  lgdogf ]  
A259108 4.70096 [  $\{(-4*n^2-25*n-39)*a(n+1)+(8*n^2+40*n+83)*a(n+2)+(-4*n^2-15*n-14)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 34\}$ , ogf ]  
A259108 8.29581 [  $2*x*(x+1)*(x^2+10*x+1)/(x-1)^6$  ogf ]  
A259109 5.42069 [  $2*x*(x+1)*(x^4+56*x^3+246*x^2+56*x+1)/(x-1)^8$  ogf ]  
A259110 13.4520 [  $2*x*(x^2+6*x+1)/(x-1)^4$  ogf ]  
A259110 15.0825 [  $-(2*x^2+20*x+10)/(x^3+5*x^2-5*x-1)$  lgdogf ]  
A259110 5.23919 [  $\{(n+3)*a(n+4)+5*n*a(n+3)+(-25-5*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 20, a(3) = 70\}$ , ogf ]  
A259131 10.5610 [  $\{-a(n+2)+11*a(n+1)-a(n), a(0) = 3, a(1) = 36\}$ , ogf ]  
A259131 13.2407 [  $-(x^2+2*x-12)/(x^3-10*x^2-10*x+1)$  lgdogf ]  
A259131 19.2854 [  $3*(x+1)/(x^2-11*x+1)$  ogf ]  
A259156 6.85655 [  $-(x^3+594*x^2+99*x+6)/(x-1)/(x^2-98*x+1)/(x^2+98*x+1)$  ogf ]  
A259157 4.46109 [  $\{a(n+3)-1155*a(n+2)+1155*a(n+1)-a(n), a(0) = 3, a(1) = 3570, a(2) = 4119885\}$ , ogf ]  
A259157 9.28785 [  $-3*(35*x+1)/(x-1)/(x^2-1154*x+1)$  ogf ]  
A259160 4.51912 [  $\{a(n+3)-9603*a(n+2)+9603*a(n+1)-a(n), a(0) = 4, a(1) = 39204, a(2) = 376437604\}$ , ogf ]  
A259160 8.51429 [  $-4*(x^2+198*x+1)/(x-1)/(x^2-9602*x+1)$  ogf ]  
A259161 4.51912 [  $\{a(n+3)-9603*a(n+2)+9603*a(n+1)-a(n), a(0) = 5, a(1) = 48510, a(2) = 465793515\}$ , ogf ]  
A259161 9.63092 [  $-5*(99*x+1)/(x-1)/(x^2-9602*x+1)$  ogf ]  
A259162 4.51912 [  $\{a(n+3)-9603*a(n+2)+9603*a(n+1)-a(n), a(0) = 6, a(1) = 58311, a(2) = 559902916\}$ , ogf ]  
A259162 8.51429 [  $-(x^2+693*x+6)/(x-1)/(x^2-9602*x+1)$  ogf ]  
A259163 4.94840 [  $-9*(2*x^4+19*x^3+33170*x^2+19*x+2)/(x-1)/(x^2-1442*x+1)/(x^2+1442*x+1)$  ogf ]  
A259167 4.51912 [  $\{a(n+3)-9603*a(n+2)+9603*a(n+1)-a(n), a(0) = 8, a(1) = 78408, a(2) = 752875208\}$ , ogf ]  
A259167 8.39266 [  $-8*(x^2+198*x+1)/(x-1)/(x^2-9602*x+1)$  ogf ]  
A259181 17.8575 [  $-(5*x+9)/(x^2-1)$  lgdogf ]  
A259181 37.1108 [  $[9-2*x]$  ogf\_with\_Euler\_transform ]  
A259181 5.90776 [  $\{(n+2)*a(n+3)-9*a(n+2)+(-5-n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 9\}$ , ogf ]

A259181 7.77952 [  $-x^*(x+1)^2/(x-1)^7$  ogf]  
A259207 7.15147 [  $-$   
 $(47*x^{10}+104*x^9+208*x^8+416*x^7+83*x^6+166*x^5+33*x^4+66*x^3+13*x^2+26*x+5)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A259215 11.8219 [  $-(8*x^2+8*x-7)/(2*x-1)/(x^2+x-1)$  ogf]  
A259215 6.32577 [  $\{-a(n+3)+3*a(n+2)-a(n+1)-2*a(n), a(0) = 7, a(1) = 13, a(2) = 24\}$ , ogf]  
A259216 11.4288 [  $-(16*x^2+16*x-13)/(2*x-1)/(x^2+x-1)$  ogf]  
A259216 6.36035 [  $\{-a(n+3)+3*a(n+2)-a(n+1)-2*a(n), a(0) = 13, a(1) = 23, a(2) = 40\}$ , ogf]  
A259217 9.22885 [  $-2*(16*x^3+x^2-28*x+12)/(2*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A259218 9.15731 [  $-(64*x^3+8*x^2-109*x+45)/(2*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A259219 8.56447 [  $-(128*x^3+24*x^2-213*x+85)/(2*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A259220 8.58398 [  $-2*(128*x^3+31*x^2-209*x+81)/(2*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A259221 8.64305 [  $-(512*x^3+148*x^2-823*x+311)/(2*x-1)/(x-1)/(x^2+x-1)$  ogf]  
A259243 10.2416 [  $-(-12*x^2-18*x-7)/(-12*x^3-13*x^2+x+3)$  lgdogf]  
A259243 15.1398 [  $-3*(4*x+3)/(3*x^2+x-1)$  ogf]  
A259243 8.39072 [  $\{a(n+2)-a(n+1)-3*a(n), a(0) = 9, a(1) = 21\}$ , ogf]  
A259244 7.96474 [  $-(24*x^3+87*x^2-2*x-21)/(3*x-1)/(x^3+4*x^2-1)$  ogf]  
A259245 7.47600 [  $-16*(25*x^3+15*x^2-6*x-3)/(30*x^4+11*x^3-12*x^2-2*x+1)$  ogf]  
A259278 12.5912 [  $-(7*x^6+6*x^5+1)/(x^7+x^6+x-1)$  lgdogf]  
A259278 20.8829 [  $-1/(x^7+x^6+x-1)$  ogf]  
A259290 13.9336 [  $-2*(8*x+5)/(4*x^2+x-1)$  ogf]  
A259290 7.79617 [  $\{a(n+2)-a(n+1)-4*a(n), a(0) = 10, a(1) = 26\}$ , ogf]  
A259290 9.49099 [  $-(-32*x^2-40*x-13)/(-32*x^3-28*x^2+3*x+5)$  lgdogf]  
A259291 10.1903 [  $-2*(32*x^2-8*x-13)/(8*x^3-4*x^2-3*x+1)$  ogf]  
A259291 5.62226 [  $\{a(n+3)-3*a(n+2)-4*a(n+1)+8*a(n), a(0) = 26, a(1) = 94, a(2) = 322\}$ , ogf]  
A259292 4.66002 [  $-2*(512*x^5+280*x^4-494*x^3-186*x^2+95*x+33)/(2*x+1)/(32*x^5-4*x^4-33*x^3+10*x^2+4*x-1)$  ogf]  
A259317 4.28016 [  $\{(-2*n^2-13*n-21)*a(n+1)+(4*n^2+20*n+51)*a(n+2)+(-2*n^2-7*n-6)*a(n+3), a(0) = 0, a(1) = 2, a(2) = 70\}$ , ogf]  
A259317 6.29644 [  $-2*x*(x^4+28*x^3+70*x^2+28*x+1)/(x-1)^7$  ogf]  
A259317 7.12027 [  $-(-3*x^4-116*x^3-434*x^2-308*x-35)/(-x^5-27*x^4-42*x^3+42*x^2+27*x+1)$  lgdogf]  
A259318 3.62763 [  $-144*x^2*(x^6+31*x^5+187*x^4+330*x^3+187*x^2+31*x+1)/(x-1)^{11}$  ogf]  
A259318 3.73701 [  $\{(2*n^3+21*n^2+73*n+84)*a(n+1)+(28*n^2+140*n+252)*a(n+2)+(-2*n^3-9*n^2-13*n-6)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 144\}$ , ogf]  
A259319 7.26620 [  $2*(x^4+76*x^3+230*x^2+76*x+1)/(x-1)^6$  ogf]  
A259319 7.26620 [  $-(-2*x^4-232*x^3-1148*x^2-840*x-82)/(-x^5-75*x^4-154*x^3+154*x^2+75*x+1)$  lgdogf]  
A259320 10.1072 [  $-(4*x^3+38*x^2+56*x+14)/(x^4+6*x^3-6*x-1)$  lgdogf]  
A259320 4.14231 [  $\{(-2*n^2-15*n-28)*a(n+1)+(4*n^2+24*n+62)*a(n+2)+(-2*n^2-9*n-10)*a(n+3), a(0) = 0, a(1) = 256, a(2) = 3584\}$ , ogf]  
A259320 6.37011 [  $-256*x*(x+1)*(x^2+6*x+1)/(x-1)^7$  ogf]  
A259321 3.29530 [  $\{(-4*n^3-48*n^2-191*n-252)*a(n+1)+(-56*n^2-336*n-658)*a(n+2)+(4*n^3+24*n^2+47*n+30)*a(n+3), a(0) = 0, a(1) = 2304, a(2) = 290304\}$ , ogf]  
A259322 4.37747 [  $(x^6+722*x^5+10543*x^4+23548*x^3+10543*x^2+722*x+1)/(x-1)^8$  ogf]  
A259323 5.45105 [  $2*(x^6+722*x^5+10543*x^4+23548*x^3+10543*x^2+722*x+1)/(x-1)^8$  ogf]  
A259348 3.73160 [  $\{(4327*n^2+25469*n+33630)*a(n+1)+(-9944*n^2-50320*n-54648)*a(n+2)+(5617*n^2+20981*n+12390)*a(n+3), a(0) = -8, a(1) = -7, a(2) = 0\}$ , ogf]  
A259348 9.04364 [  $-(-9*x^3+13*x^2-35*x+7)/(-9*x^4+29*x^3-45*x^2+33*x-8)$  lgdogf]  
A259348 9.73049 [  $(9*x^3-20*x^2+25*x-8)/(x-1)^4$  ogf]  
A259357 15.3800 [  $-(-x^4+x^3+1)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A259358 15.0985 [  $-(-x^4+x^2+x)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A259402 4.93592 [  $-7*(1968*x^4+1813*x^3-195857*x^2+35*x+41)/(x-1)/(x^2-254*x+1)/(x^2+254*x+1)$  ogf]  
A259403 5.86700 [  $-11*(16*x^4+14*x^3-5507*x^2+2254*x+262)/(x-1)/(x^2+20*x+1)/$

$(x^2-20x+1)$  ogf]  
A259413 4.97996 [  $-11*(6*x^8-x^7+x^5-2199*x^4+559*x^3+315*x^2+161*x+195)/(x-1)/(x^4+20*x^2+1)/(x^4-20*x^2+1)$  ogf]  
A259421 4.84817 [  $-(8*x^5+49*x^4-41*x^3-178*x^2-15*x+43)/(x^6+6*x^5-6*x^4-22*x^3+2*x^2+6*x-1)$  ogf]  
A259451 10.9139 [  $-x*(x^4-x^3+6*x^2+x+1)/(x^2+x-1)^3$  ogf]  
A259451 9.52291 [  $-(2*x^5-4*x^4+28*x^3+8*x^2+20*x+4)/(x^6+4*x^4+8*x^3-4*x^2-1)$  lgdogf]  
A259455 4.37297 [  $\{(-8*n^2-80*n-192)*a(n+1)+(9*n^2+37*n+68)*a(n+2)+(-n^2-6*n-9)*a(n+3), a(0) = 1, a(1) = 30, a(2) = 270\}$ , ogf]  
A259455 6.80240 [  $(24*x^3+58*x^2+22*x+1)/(x-1)^8$  ogf]  
A259455 8.74594 [  $-(120*x^3+420*x^2+270*x+30)/(24*x^4+34*x^3-36*x^2-21*x-1)$  lgdogf]  
A259457 3.76574 [  $\{(-2*n^2-20*n-50)*a(n+1)+(-3*n^2-37*n-128)*a(n+2)+(3*n+9)*a(n+3), a(0) = 3, a(1) = 66, a(2) = 1050\}$ , ogf]  
A259457 5.03056 [  $3/2*(x^4+20*x^3+54*x^2+28*x+2)/(x-1)^8$  egf]  
A259457 6.15892 [  $-(-4*x^4-104*x^3-384*x^2-304*x-44)/(-x^5-19*x^4-34*x^3+26*x^2+26*x+2)$  lgdegf]  
A259459 4.25863 [  $\{(n^3+13*n^2+56*n+80)*a(n+1)+(-2*n-4)*a(n+2), a(0) = 1, a(1) = 18\}$ , ogf]  
A259462 4.78356 [  $\{(-n^4-19*n^3-134*n^2-416*n-480)*a(n+1)+(6*n+12)*a(n+2), a(0) = 1, a(1) = 30\}$ , ogf]  
A259474 4.31624 [  $[-x^2+6]$  ogf\_with\_Euler\_transform]  
A259486 8.80619 [  $-(x^4+11*x^3+6*x^2+5*x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A259491 7.55786 [  $-(-8*x^7-4*x^6-6*x^5-4*x^4-12*x^3-4*x^2-6*x-4)/(x^8-1)$  ogf\_with\_Euler\_transform]  
A259508 10.4354 [  $-(8*x^2-9*x-11)/(2*x^3-3*x^2-2*x+1)$  ogf]  
A259508 5.62604 [  $\{-a(n+3)+2*a(n+2)+3*a(n+1)-2*a(n), a(0) = 11, a(1) = 31, a(2) = 87\}$ , ogf]  
A259509 7.10388 [  $-(142*x^3+66*x^2-67*x-31)/(2*x^2-1)/(9*x^2+2*x-1)$  ogf]  
A259517 10.4422 [  $-2*(x+2)*(4*x-3)/(2*x^3+2*x^2-4*x+1)$  ogf]  
A259517 5.67117 [  $\{-a(n+3)+4*a(n+2)-2*a(n+1)-2*a(n), a(0) = 12, a(1) = 38, a(2) = 120\}$ , ogf]  
A259518 5.50610 [  $-2*(8*x^4+41*x^3-34*x^2-29*x+19)/(2*x^5+10*x^4-10*x^3-7*x^2+7*x-1)$  ogf]  
A259529 7.92772 [  $-(x^{11}-x^{10}+x^8-x^7-x^6-x^4-x^3+x^2-1)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]  
A259538 6.74040 [  $-(-x^{11}-2*x^{10}-x^8-2*x^7-2*x^6-2*x^4-2*x^3-x^2-2)/(x^{12}-1)$  ogf\_with\_Euler\_transform]  
A259546 5.78983 [  $x*(x^4-4*x^3+23*x^2+4*x+1)*(x^2+1)/(x^2+x-1)^4$  ogf]  
A259547 4.15160 [  $-x*(x^8-11*x^7+87*x^6-48*x^5+240*x^4+48*x^3+87*x^2+11*x+1)/(x^2+x-1)^5$  ogf]  
A259552 7.69898 [  $-(41*x^4-162*x^3+248*x^2-162*x+41)/(x-1)^5$  ogf]  
A259555 11.7226 [  $-(-17*x^2+26*x-21)/(-17*x^3+47*x^2-47*x+17)$  lgdogf]  
A259555 13.0048 [  $-(-17*x^2-30*x+17)/(x-1)^3$  ogf]  
A259555 7.23746 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 17, a(1) = 21, a(2) = 29\}$ , ogf]  
A259557 4.94405 [  $\{(-32*n^2-32*n-6)*a(n)+(2*n^2+3*n+1)*a(n+1), a(0) = 1, a(1) = 3\}$ , ogf]  
A259561 6.96307 [  $x*(11*x^9-15*x^8-36*x^7+6*x^6-15*x^5+x^4-3*x^3-2*x^2-x+1)/(x^2-3*x+1)$  ogf]  
A259592 14.0966 [  $-(x+1)*(x^2-x-1)/(x^4-4*x^2+1)$  ogf]  
A259592 7.17419 [  $-(-x^6+2*x^4+4*x^3-5*x^2-8*x-2)/(-x^7+6*x^5+x^4-9*x^3-4*x^2+2*x+1)$  lgdogf]  
A259593 13.7342 [  $-(x^2-3*x-2)/(x^4-4*x^2+1)$  ogf]  
A259594 11.1359 [  $-(x+1)*(x^2-2*x-1)/(x^4-10*x^2+1)$  ogf]  
A259595 11.2858 [  $(x^3-3*x^2+7*x+3)/(x^4-10*x^2+1)$  ogf]  
A259596 8.61999 [  $-(x+1)*(x^2-x-1)*(x^4+3*x^2+1)/(x^8-16*x^4+1)$  ogf]  
A259597 7.87598 [  $(x^7-x^6+2*x^5-3*x^4+13*x^3+8*x^2+5*x+3)/(x^8-16*x^4+1)$  ogf]  
A259599 5.35971 [  $-(-x^{15}+x^{14}+x^{12}+x^{11}+x^{10}+x^8+x^6+x^4+x^3+x^2+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]

A259614 13.2343 [ (7\*x^2+12\*x+17)/(x+1)/(x-1)^2 ogf]  
A259614 7.25010 [ {a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 17, a(1) = 29, a(2) = 53}, ogf]  
A259614 9.58346 [ -(-7\*x^3-31\*x^2-77\*x-29)/(-7\*x^4-12\*x^3-10\*x^2+12\*x+17) lgdogf]  
A259623 9.18294 [ -(x^7+x^6+2\*x^5+x^4-x^2-2\*x-1)/(x-1)/(x+1)/(x^4+x^2-1) ogf]  
A259624 4.80411 [ -x\*(x+1)\*(x^4+x^2+x+1)\*(x^5+x^4+x^3+2\*x^2+x+1)/(x^2+x+1)/(x^6+x^3-1) ogf]  
A259625 9.70666 [ -x\*(x^7+x^6+x^5-x^2-2\*x-1)/(x-1)/(x+1)/(x^4+x^2-1) ogf]  
A259626 8.54596 [ -(x^8+x^7+x^6+x^5+x^4-x^2-2\*x-1)/(x-1)/(x+1)/(x^4+x^2-1) ogf]  
A259627 5.09574 [ -x\*(x+1)\*(x^2+1)\*(2\*x^6+2\*x^5+2\*x^4+2\*x^3+3\*x^2+2\*x+1)/(x^2+x+1)/(x^6+x^3-1) ogf]  
A259635 8.77594 [ (2\*x^4-10\*x^3-40\*x^2-11\*x-18)/(x^4+3\*x^3+x-1) ogf]  
A259636 5.65384 [ (5\*x^6-46\*x^5-72\*x^4-15\*x^3+78\*x^2+35\*x+29)/(3\*x^6+3\*x^5-x^4-5\*x^3-x^2-x+1) ogf]  
A259637 3.54076 [ (12\*x^9-144\*x^8+104\*x^7+137\*x^6+427\*x^5+201\*x^4-41\*x^3-341\*x^2-102\*x-69)/(4\*x^9-4\*x^8-5\*x^7-12\*x^6-2\*x^5+4\*x^4+10\*x^3+x^2+x-1) ogf]  
A259655 10.3543 [ -(3\*x^3+2\*x^2+3\*x+1)/(-x^4-x^3-2\*x^2-x-1) ogf\_with\_Euler\_transform]  
A259657 6.31347 [ -(3\*x^11+2\*x^8+3\*x^7+x^5+3\*x^3+2\*x^2)/(-x^12+1) ogf\_with\_Euler\_transform]  
A259658 4.61179 [ -x\*(18144\*x^12+12800\*x^11-13708\*x^10-11200\*x^9-2870\*x^8-1068\*x^7-1302\*x^6-434\*x^5-240\*x^4-32\*x^3-8\*x^2-2\*x-1)/(x-1)/(x+1)/(2\*x^2-1) ogf]  
A259659 6.24022 [ -(3\*x^8-3\*x^7-3\*x^6+x^5-2\*x^2-3\*x-3)/(x^9-x^6+x^3-1) ogf\_with\_Euler\_transform]  
A259660 7.13384 [ -(-2\*x^5-2\*x^4+x^2)/(x^6+x^5-x^3+x+1) ogf\_with\_Euler\_transform]  
A259661 14.2450 [ 1/(x-1)/(10\*x-1)/(x^2+1) ogf]  
A259661 7.93188 [ -(40\*x^3-33\*x^2+22\*x-11)/(10\*x^4-11\*x^3+11\*x^2-11\*x+1) lgdogf]  
A259709 8.36925 [ -x\*(2\*x^2+4\*x-1)/(x^2+2\*x-1)/(x^2+x-1)^2 ogf]  
A259711 15.4960 [ -5040\*(2\*x-3)/(x-1)^2 ogf]  
A259711 17.1101 [ -(-2\*x+4)/(-2\*x^2+5\*x-3) lgdogf]  
A259711 9.12540 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 15120, a(1) = 20160}, ogf]  
A259713 12.0259 [ -(-14\*x^2-4\*x-8)/(-14\*x^3-9\*x^2+6\*x+1) lgdogf]  
A259713 17.6380 [ -(7\*x+1)/(2\*x-1)/(x+1) ogf]  
A259713 9.67937 [ {a(n+2)-a(n+1)-2\*a(n), a(0) = 1, a(1) = 8}, ogf]  
A259714 9.97064 [ (x-1)\*(x^4+x^3+x^2+x+1)/(x+1)/(x^4+3\*x^3+2\*x-1) ogf]  
A259716 9.82037 [ -2\*(57\*x^3+70\*x^2+27\*x+16)/(3\*x^4+4\*x^3-1) ogf]  
A259717 3.87663 [ -(156\*x^9+152\*x^8-81\*x^7-286\*x^6-477\*x^5-363\*x^4+27\*x^3+174\*x^2+95\*x+54)/(3\*x^10+2\*x^9-3\*x^8-5\*x^7-8\*x^6-4\*x^5+4\*x^4+5\*x^3+x^2-1) ogf]  
A259735 7.15644 [ (2\*x^6-24\*x^5+x^4-40\*x^3-22\*x^2-22\*x-20)/(2\*x^6+3\*x^4+x^2-1) ogf]  
A259736 9.78452 [ -2\*(9\*x^3+19\*x^2+7\*x+11)/(x^4+2\*x^3+x-1) ogf]  
A259737 4.27258 [ -2\*(12\*x^10+52\*x^9-8\*x^8-74\*x^7+9\*x^6+50\*x^5+17\*x^4+113\*x^3+53\*x^2+37\*x+21)/(4\*x^10-6\*x^8+4\*x^6+9\*x^4+2\*x^2-1) ogf]  
A259738 3.56676 [ -2\*(3\*x^10+16\*x^9-30\*x^8-76\*x^7+27\*x^6+106\*x^5+80\*x^4+123\*x^3+119\*x^2+37\*x+31)/(x^10-x^9-4\*x^8+x^7+5\*x^6+3\*x^5+5\*x^4+4\*x^3+x-1) ogf]  
A259743 9.31232 [ -(-4\*x^4+x^3-3)/(x^5-x^4+x-1) ogf\_with\_Euler\_transform]  
A259749 4.86050 [ (x^2+1)\*(x^7+3\*x^6-2\*x^5+2\*x^4-x^3+2\*x^2+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A259750 10.0226 [ -(-x^3-9\*x^2-27\*x-11)/(-x^4-4\*x^3-6\*x^2+4\*x+7) lgdogf]  
A259750 13.2556 [ 2\*(x^2+4\*x+7)/(x+1)/(x-1)^2 ogf]  
A259750 7.14652 [ {a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 14, a(1) = 22, a(2) = 38}, ogf]  
A259751 11.3594 [ -(x^3+3\*x^2+6\*x+2)/(x^4+x^3-x-1) lgdogf]  
A259751 13.4079 [ 8\*(x^2+x+1)/(x+1)/(x-1)^2 ogf]  
A259751 32.5582 [ -x^2+x+2 ogf\_with\_Euler\_transform]  
A259751 7.17439 [ {a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 8, a(1) = 16, a(2) = 32},



ogf]  
 A259752 17.2837  $[-(-3*x-5)/(-3*x^2+2*x+1) \text{ lgdogf}]$   
 A259752 18.0351  $[6*(3*x+1)/(x-1)^2 \text{ ogf}]$   
 A259752 9.99537  $[-a(n+2)+2*a(n+1)-a(n), a(0) = 6, a(1) = 30], \text{ ogf}]$   
 A259754 9.66084  $[3*(x+1)*(x^4+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2 \text{ ogf}]$   
 A259755 11.3594  $[-(-x^3-9*x^2-9*x-5)/(-x^4-4*x^3+4*x+1) \text{ lgdogf}]$   
 A259755 13.1916  $[4*(x^2+4*x+1)/(x+1)/(x-1)^2 \text{ ogf}]$   
 A259755 7.17439  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 20, a(2) = 28}, \text{ ogf}]$   
 A259765 4.55576  $[(6*x^8-29*x^7+26*x^6-22*x^5-18*x^4+88*x^3+72*x^2+49*x+32)/(x^8-2*x^7+x^6-2*x^5-6*x^4-2*x^3-x^2+1) \text{ ogf}]$   
 A259790 4.96214  $[-(-4*x^6+x^5-2*x^4-x^3-5*x^2+2*x-3)/(x^7-x^6+x^5-x^4+x^3-x^2+x-1) \text{ ogf\_with\_Euler\_transform}]$   
 A259821 11.0276  $[(3*x^2-11*x+4)/(3*x-1)/(x-1) \text{ ogf}]$   
 A259821 5.78149  $[{a(n+3)-4*a(n+2)+3*a(n+1), a(0) = 4, a(1) = 5, a(2) = 11}, \text{ ogf}]$   
 A259821 7.73368  $[-(21*x^2-18*x+5)/(-9*x^4+45*x^3-59*x^2+27*x-4) \text{ lgdogf}]$   
 A259834 4.70596  $[{(2*n^2-3*n+1)*a(n)+(2*n^2-3*n-1)*a(n+1)+(-2*n+3)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 1}, \text{ ogf}]$   
 A259845 9.39348  $[-1/4*(-1+(8*x^3-16*x^2+8*x+1)^(1/2))/(x-1) \text{ revogf}]$   
 A259860 11.4267  $[(x+1)/(x^4-4*x^3+8*x^2-4*x+1) \text{ ogf}]$   
 A259860 7.18589  $[-(-3*x^4+4*x^3+4*x^2-16*x+5)/(-x^5+3*x^4-4*x^3-4*x^2+3*x-1) \text{ lgdogf}]$   
 A259861 9.58519  $[-(x^3-3*x^2+6*x-2)/(x^4-4*x^3+8*x^2-4*x+1) \text{ ogf}]$   
 A259877 8.84341  $[-(x^6+12*x^4+6*x^3+27*x^2+18*x+6)/(-x^5-7*x^3-6*x^2-6*x-6) \text{ lgdegf}]$   
 A259884 8.75454  $[-(3*x^4+3*x^3+5*x^2+4*x+3)/(-x^5-2*x^4-3*x^3-3*x^2-2*x-1) \text{ ogf\_with\_Euler\_transform}]$   
 A259887 9.18441  $[-(114*x^3+148*x^2+33*x+34)/(3*x^4+5*x^3+x-1) \text{ ogf}]$   
 A259888 4.25777  $[-(156*x^7-125*x^6-179*x^5-316*x^4-321*x^3+332*x^2-27*x+67)/(3*x^8-2*x^7-5*x^6-5*x^5-8*x^4+11*x^3-3*x^2+3*x-1) \text{ ogf}]$   
 A259895 8.45681  $[-(-2*x^4-x^2-x)/(x^5+x^3+x^2+1) \text{ ogf\_with\_Euler\_transform}]$   
 A259896 8.90871  $[-(-2*x^6-x^5-1)/(x^7+x^6+x+1) \text{ ogf\_with\_Euler\_transform}]$   
 A259900 4.28224  $[{(-n^2-3*n)*a(n+1)+(2*n^2+11*n+16)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 7}, \text{ ogf}]$   
 A259902 4.15359  $[{(-n^2-3*n)*a(n+1)+(2*n^2+11*n+13)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 4}, \text{ ogf}]$   
 A259904 4.16387  $[{(n+3)*a(n+1)+(2*n^2+10*n+11)*a(n+2)+(-2-n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 3}, \text{ ogf}]$   
 A259906 4.25808  $[{(-3-n)*a(n+1)+(-2*n^2-10*n-13)*a(n+2)+(n+2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 5}, \text{ ogf}]$   
 A259907 8.21756  $[-(x^6+120*x^5+1191*x^4+2416*x^3+1191*x^2+120*x+1)/(x-1)^3 \text{ ogf}]$   
 A259910 12.5719  $[-(x^4-2*x^3+x^2+x-2)/(-x^5+1) \text{ ogf\_with\_Euler\_transform}]$   
 A259920 10.2084  $[-(-x^9+x^8+x^5-2*x^4+x^3+1)/(x^10-1) \text{ ogf\_with\_Euler\_transform}]$   
 A259945 4.62303  $[(6*x^8-23*x^7+14*x^6-13*x^5-44*x^4+81*x^3+62*x^2+26*x+34)/(x+1)/(x^7-2*x^6+3*x^5-3*x^4-3*x^3+x^2-2*x+1) \text{ ogf}]$   
 A259946 3.71670  $[(12*x^9-144*x^8+90*x^7-34*x^6+66*x^5+514*x^4-9*x^3-89*x^2-50*x-60)/(4*x^7+6*x^5+2*x^4-6*x^3+2*x^2-3*x+1)/(x^2-x-1) \text{ ogf}]$   
 A259955 5.21842  $[(4*x^7-16*x^6-72*x^5-84*x^4-96*x^3-88*x^2-33*x-34)/(2*x^7+6*x^6+6*x^5+5*x^4+3*x^3+x-1) \text{ ogf}]$   
 A259956 4.08896  $[(7*x^8-5*x^7-28*x^6-68*x^5-49*x^4+54*x^3+159*x^2+79*x+67)/(x^8+2*x^7+2*x^6-x^5-5*x^4-6*x^3-2*x^2-x+1) \text{ ogf}]$   
 A259966 9.45305  $[-x^2*(x-2)/(x^3-x^2+2*x-1)^2 \text{ ogf}]$   
 A259966 9.79889  $[-(-5*x^3+15*x^2-10*x+7)/(-x^4+3*x^3-4*x^2+5*x-2) \text{ lgdogf}]$   
 A259967 13.1414  $[-(x-1)*(x-3)/(x^3-x^2+2*x-1) \text{ ogf}]$   
 A259967 7.15736  $[{-a(n+3)+2*a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 2, a(2) = 2}, \text{ ogf}]$   
 A259967 8.09721  $[-(x^4-8*x^3+11*x^2-4*x+2)/(x^5-5*x^4+9*x^3-12*x^2+10*x-3) \text{ lgdogf}]$   
 A259968 13.1414  $[-(2*x^2-x+1)/(x^3-x^2+2*x-1) \text{ ogf}]$   
 A259968 7.15736  $[{a(n+3)-2*a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 3}, \text{ ogf}]$

ogf]

A259968 9.10936 [  $-( -2x^4 + 2x^3 - 2x - 1 ) / ( -2x^5 + 3x^4 - 6x^3 + 5x^2 - 3x + 1 )$  lgdogf]

A259969 7.42215 [  $x^*(x^4 - 6x^3 + 7x^2 - 2x + 1) / (x^3 - x^2 + 2x - 1)^2$  ogf]

A259994 5.45732 [  $-(159x^6 + 62x^5 + 244x^4 - 117x^3 - 185x^2 - 51x - 48) / ((x-1) / (5x^6 + 5x^5 + 12x^4 + 5x^3 - 1))$  ogf]

A260006 10.3020 [  $x^*(2x^2 - 6x + 3) / ((2x-1)^2 / (x-1)^2)$  ogf]

A260006 8.98428 [  $-(8x^3 - 36x^2 + 38x - 12) / (4x^4 - 18x^3 + 26x^2 - 15x + 3)$  lgdogf]

A260008 4.04334 [  $(10x^9 - 25x^8 + 18x^7 + 12x^6 - 31x^5 + 34x^4 - 111x^3 - 37x^2 - 49x - 36) / (x^9 - x^8 + x^7 + 2x^6 + x^5 + 7x^4 + 2x^2 - 1)$  ogf]

A260009 4.56678 [  $(x^9 - 33x^8 + 20x^7 + 9x^6 + 27x^5 + 169x^4 - 25x^3 - 56x^2 - 49) / (x^3 - x^2 - 2x + 1) / (x^6 + 2x^4 - x^2 - 1)$  ogf]

A260023 10.8704 [  $\{-a(n+5) + a(n+4), a(0) = 77, a(1) = 49, a(2) = 36, a(3) = 18, a(4) = 8\}$ , ogf]

A260023 11.5950 [  $-( -30x^4 + 4x^3 + 41x^2 + 26x - 49 ) / (10x^5 + 8x^4 - 5x^3 + 15x^2 - 105x + 77)$  lgdogf]

A260023 18.4467 [  $(10x^4 + 18x^3 + 13x^2 + 28x - 77) / (x-1)$  ogf]

A260033 11.9325 [  $-(x^2 - 4x + 1) / (x^3 - 7x^2 + 11x - 1)$  ogf]

A260033 6.48963 [  $\{-a(n+3) + 11a(n+2) - 7a(n+1) + a(n), a(0) = 1, a(1) = 7, a(2) = 71\}$ , ogf]

A260033 7.25312 [  $-( -x^4 + 8x^3 - 20x^2 + 12x - 7 ) / ( -x^5 + 11x^4 - 40x^3 + 52x^2 - 15x + 1 )$  lgdogf]

A260063 6.05236 [  $-(64x^5 + 205x^4 - 109x^3 - 165x^2 - 43x - 48) / (2x^6 + 5x^5 - 5x^4 - 4x^3 - x + 1)$  ogf]

A260089 5.73720 [  $-( -2x^6 - x^5 - 2x^4 - 2x^3 - 2x^2 - 2x - 1 ) / (x^7 + x^6 + 2x^5 + 2x^4 + 2x^3 + 2x^2 + x + 1)$  ogf\_with\_Euler\_transform]

A260099 3.78239 [  $(20x^9 - 112x^8 + 172x^7 - 20x^6 + 4x^5 - 6x^4 - 206x^3 - 110x^2 - 85x - 48) / (2x^9 - 8x^8 + 6x^7 + 2x^6 + 6x^5 + 11x^4 + 2x^3 + 2x^2 - 1)$  ogf]

A260113 3.79874 [  $-(x^8 - 2x^5 - x^2 - x - 1) / (x^2 + x + 1) / (x-1)^2$  ogf]

A260118 5.24976 [  $-( -2x^7 + x^6 + x^5 - 2x^4 + x - 1 ) / (x^8 - x^7 + x^5 - x^3 + x - 1)$  ogf\_with\_Euler\_transform]

A260131 8.60532 [  $2*(2x^4 - 10x^3 - 40x^2 - 11x - 18) / (x^4 + 3x^3 + x - 1)$  ogf]

A260132 5.32674 [  $2*(5x^6 - 46x^5 - 72x^4 - 15x^3 + 78x^2 + 35x + 29) / (3x^6 + 3x^5 - x^4 - 5x^3 - x^2 - x + 1)$  ogf]

A260133 3.35582 [  $2*(12x^9 - 144x^8 + 104x^7 + 137x^6 + 427x^5 + 201x^4 - 41x^3 - 341x^2 - 102x - 69) / (4x^9 - 4x^8 - 5x^7 - 12x^6 - 2x^5 + 4x^4 + 10x^3 + x^2 + x - 1)$  ogf]

A260160 11.7230 [  $-( -8x^5 - 2x^3 - 2x ) / ( -x^6 + 1 )$  lgdogf]

A260160 14.5886 [  $x^4 / (x^2 + x + 1) / (x^2 - x + 1) / (x-1)^2 / (x+1)^2$  ogf]

A260160 26.1916 [  $[x^5 + x]$  ogf\_with\_Euler\_transform]

A260162 5.04624 [  $-(2x^{10} + x^9 + x^8 + x^7 + 2x^6 + x^5 + 2x^4 + x^3 + x^2 + x + 2) / ( -x^{12} + 1 )$  ogf\_with\_Euler\_transform]

A260163 9.20594 [  $-( -x^7 + x^6 + 3x^5 + x^4 - 3x^3 + x^2 + 3x + 1 ) / (x^8 - 1)$  ogf\_with\_Euler\_transform]

A260164 9.12789 [  $-(x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1) / ( -x^8 + 1 )$  ogf\_with\_Euler\_transform]

A260165 9.78609 [  $-( -4x^4 - 3x^2 - x - 4 ) / (x^5 + x^4 + x^3 + x^2 + x + 1)$  ogf\_with\_Euler\_transform]

A260181 10.5815 [  $(3x^4 + 2x^3 + 2x^2 + x + 2) / (x+1) / (x^2+1) / (x-1)^2$  ogf]

A260188 10.4509 [  $-(672x^{29} - 696x^{28} + 16x^5 - 20x^4 - 2) / (-24x^{30} + 24x^{29} - 4x^6 + 4x^5 - x^2 + 1)$  lgdogf]

A260188 22.0418 [  $-(24x^{29} + 4x^5 + x + 1) / (x-1)$  ogf]

A260190 10.9329 [  $(x+1)*(x^2 - x + 1) / (x^4 - x^2 + 1)$  ogf]

A260190 12.5593 [  $x^{11} - 2x^5 - x^3 + x^2 + x$  ogf\_with\_Euler\_transform]

A260192 10.9329 [  $-(x-1)*(x^2 + x + 1) / (x^4 - x^2 + 1)$  ogf]

A260192 12.5593 [  $x^{11} - x^5 - x^3 - x^2 + x$  ogf\_with\_Euler\_transform]

A260196 11.6477 [  $-(2x^2 - 4x + 1) / (x-1)$  ogf]

A260196 6.23983 [  $\{-a(n+3) + a(n+2), a(0) = 1, a(1) = -3, a(2) = -1\}$ , ogf]

A260200 6.82461 [  $2*(4x^6 + 4x^5 - 8x^4 - 18x^3 - 4x^2 - 4x + 13) / (2x^5 + 2x^4 - x^2 - 2x + 1)$  ogf]

A260201 4.50449 [ (12\*x^8-5\*x^7-21\*x^6-17\*x^5-11\*x^4-28\*x^3+83\*x^2+36\*x+44)/(x^8+x^7-x^5-2\*x^4-5\*x^3-x^2-x+1) ogf]  
A260217 11.4886 [ -(18\*x^2-22\*x+6)/(6\*x^3-11\*x^2+6\*x-1) lgdogf]  
A260217 16.7334 [ -4\*x^2/(x-1)/(3\*x-1)/(2\*x-1) ogf]  
A260217 6.93458 [ {a(n+3)-6\*a(n+2)+11\*a(n+1)-6\*a(n), a(0) = 0, a(1) = 0, a(2) = 4}, ogf]  
A260220 12.8499 [ -(x^2+x+1)/(x^2+1)/(x-1)^3/(x+1)^3 ogf]  
A260220 25.2066 [ x^3-x^2+2\*x+1 ogf\_with\_Euler\_transform]  
A260241 5.07980 [ (102\*x^6-239\*x^5+141\*x^4-111\*x^3+154\*x^2+3\*x+48)/(9\*x^6-9\*x^5+4\*x^4-9\*x^3+2\*x^2-2\*x+1) ogf]  
A260253 7.38262 [ -(x^7+x^6+2\*x^4+x^3+2\*x^2+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3/(x+1)^3 ogf]  
A260259 13.0041 [ -(x^2-4\*x+1)/(x+1)/(x^2-3\*x+1) ogf]  
A260259 7.08261 [ {-a(n+3)+2\*a(n+2)+2\*a(n+1)-a(n), a(0) = -1, a(1) = 2, a(2) = 1}, ogf]  
A260259 8.17786 [ -(x^4-8\*x^3+13\*x^2-6\*x+2)/(x^5-6\*x^4+7\*x^3+7\*x^2-6\*x+1) lgdogf]  
A260260 10.7188 [ x\*(22\*x^2+25\*x+1)/(x-1)^4 ogf]  
A260260 11.4844 [ -(44\*x^2+119\*x+29)/(22\*x^3+3\*x^2-24\*x-1) lgdogf]  
A260260 3.94072 [ {(n+3)\*a(n+4)+(19+24\*n)\*a(n+3)+(-122-3\*n)\*a(n+2)+(-44-22\*n)\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 29, a(3) = 132}, ogf]  
A260277 5.35113 [ (x^9+x^8-22\*x^7-9\*x^6-5\*x^5+8\*x^4-x^3-53\*x^2-12\*x-34)/(x^8+x^4+3\*x^3+x-1) ogf]  
A260278 3.63821 [ -(4\*x^11+12\*x^10-19\*x^9+41\*x^8+16\*x^7-43\*x^6-165\*x^5-16\*x^4-27\*x^3+145\*x^2+39\*x+46)/(x^3-x^2-1)/(3\*x^6+3\*x^5-x^4-5\*x^3-x^2-x+1) ogf]  
A260287 3.79405 [ -2\*(96\*x^9+256\*x^8+88\*x^7-280\*x^6-294\*x^5-155\*x^4-184\*x^3-137\*x^2-52\*x-24)/(8\*x^9+4\*x^8-8\*x^7-8\*x^6-2\*x^5-5\*x^4-4\*x^3+1) ogf]  
A260295 8.90671 [ -(4\*x^4+2\*x^3+3\*x^2+x+2)/(-x^5-x^4-x^3-x^2-x-1) ogf\_with\_Euler\_transform]  
A260301 9.62268 [ -(4\*x^5-3\*x^4+3\*x^3+2\*x^2+3\*x-3)/(-x^6+1) ogf\_with\_Euler\_transform]  
A260302 6.96215 [ -(-10\*x^4+58\*x^3-372\*x^2-1238\*x-1378)/(-10\*x^5+59\*x^4-222\*x^3-50\*x^2-8\*x+231) lgdogf]  
A260302 7.08759 [ -x^2\*(10\*x^4-49\*x^3+173\*x^2+223\*x+231)/(x-1)^5 ogf]  
A260304 11.2039 [ -(-35\*x^2+20\*x-3)/(-35\*x^3+45\*x^2-17\*x+2) lgdogf]  
A260304 17.1793 [ -(7\*x-2)/(5\*x^2-5\*x+1) ogf]  
A260304 9.42768 [ {a(n+2)-5\*a(n+1)+5\*a(n), a(0) = 2, a(1) = 3}, ogf]  
A260307 8.45273 [ (x^6+x^5+3\*x^4+2\*x^3+2\*x^2+2\*x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2/(x+1)^2 ogf]  
A260308 6.15343 [ -(2\*x^8-x^7+x^6-x^5+3\*x^2-x+1)/(-x^9-x^6-x^3-1) ogf\_with\_Euler\_transform]  
A260309 4.04006 [ -(2\*x^11-2\*x^10+3\*x^9-2\*x^8+x^7-2\*x^6+5\*x^5-2\*x^4+x^3-2\*x^2+3\*x-2)/(-x^12+1) ogf\_with\_Euler\_transform]  
A260313 11.6488 [ -(x^2-2\*x+3)/(-x^3-x^2-x-1) ogf\_with\_Euler\_transform]  
A260314 14.2073 [ -(x^3-4\*x^2+4\*x-4)/(-x^4+1) ogf\_with\_Euler\_transform]  
A260316 11.2905 [ x^2\*(2\*x^3+3\*x^2+x+1)/(x-1)^2/(x^2+x+1)^2 ogf]  
A260334 5.80749 [ -x\*(17\*x^6+487\*x^5+2108\*x^4+2642\*x^3+1121\*x^2+103\*x+2)/(x+1)/(x-1)^7 ogf]  
A260363 5.31679 [ -2\*(50\*x^6+2\*x^5-23\*x^4-33\*x^3-89\*x^2-15\*x-24)/(x^7+3\*x^6-5\*x^5+x^4-5\*x^3+x^2-x+1) ogf]  
A260394 7.27032 [ -x\*(x^38-x^30+x^6+x^4+x^3+x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1) ogf]  
A260401 14.0346 [ x^10-x^9-x^5+x^4+x^2-2\*x+3 ogf\_with\_Euler\_transform]  
A260401 6.38267 [ (x^2-x+1)\*(x^4-x^3+x^2-x+1)\*(x+1)^4/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A260440 14.8385 [ (5\*x^4+30\*x^3+34\*x^2+30\*x+27)/(x+1)/(x^2+1)/(x-1)^2 ogf]  
A260444 7.65396 [ (x^39-x^31-x^6-x^3-1)/(x-1)/(x+1)/(x^2+1)/(x^4+1) ogf]  
A260446 10.1048 [ x^15-x^11-x^9+x^5+x^3 ogf\_with\_Euler\_transform]  
A260446 7.27754 [ -x\*(x^4-x^2+1)\*(x^4+x^3+x^2+x+1)\*(x^4-x^3+x^2-x+1)/(x-1)/(x

+1)/(x^2+1)/(x^4+1)/(x^8+1) ogf]  
A260468 3.64007 [ (24\*x^12-40\*x^11-96\*x^10-24\*x^9-180\*x^8+108\*x^7+60\*x^6+28\*x^4+54\*x^2+15\*x+34)/(4\*x^12+4\*x^11+4\*x^9-12\*x^8-2\*x^5-x^4-3\*x^3-x+1) ogf]  
A260483 6.89117 [ (x^8+x^7+x^6+2\*x^5+x^4+x^3+2\*x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A260484 12.4247 [ (4\*x^2+4\*x+3)/(x^2+x+1)/(x-1)^2 ogf]  
A260484 4.40643 [ {(-11\*n-43)\*a(n+1)-11\*a(n+2)-11\*a(n+3)+(11\*n+32)\*a(n+4), a(0) = 3, a(1) = 7, a(2) = 11, a(3) = 14}, ogf]  
A260486 4.22850 [- (-2\*x^11-4\*x^10-2\*x^9-2\*x^8-2\*x^7-4\*x^6-3\*x^5-4\*x^4-2\*x^3-2\*x^2-2\*x-4)/(x^12-1) ogf\_with\_Euler\_transform]  
A260505 4.59375 [ -x^5\*(2\*x^2-x+1)\*(x-1)^3/(x^2-x+1)^2/(x^2+x-1)^4 ogf]  
A260513 7.72605 [ (x^4+3\*x^3+7\*x^2+3\*x+1)/(x-1)^6 ogf]  
A260513 8.11625 [ -(-2\*x^4-13\*x^3-37\*x^2-29\*x-9)/(-x^5-2\*x^4-4\*x^3+4\*x^2+2\*x+1) lgdogf]  
A260514 9.35785 [ -(x^7-2\*x^6-x^5-2\*x^4+5\*x^3-2\*x^2-x-2)/(-x^8+1) ogf\_with\_Euler\_transform]  
A260515 10.0404 [ -(-x^5+4\*x^4-x^3-2\*x+4)/(x^6-x^4+x^2-1) ogf\_with\_Euler\_transform]  
A260518 13.4639 [ -(-4\*x^2-5\*x-3)/(x^3+2\*x^2+2\*x+1) ogf\_with\_Euler\_transform]  
A260537 3.77649 [ (36\*x^9-32\*x^8-174\*x^7-116\*x^6+184\*x^5+243\*x^4+131\*x^3-78\*x^2-35\*x-40)/(2\*x^9+2\*x^8-x^7-6\*x^6-5\*x^5-2\*x^4+5\*x^3+x^2+x-1) ogf]  
A260585 6.24999 [ -(5\*x^4-3\*x^3-x^2-x+1)/(5\*x^2-5\*x+1)/(2\*x-1)^2/(x-1)^3 ogf]  
A260599 10.4532 [ -(-x^5+2\*x^4+x^3+2)/(x^6-x^4+x^2-1) ogf\_with\_Euler\_transform]  
A260637 12.2126 [ -(-5\*x^2+4\*x-5)/(-5\*x^3+12\*x^2-11\*x+4) lgdogf]  
A260637 12.5942 [ -7\*(5\*x^2-7\*x+4)/(x-1)^3 ogf]  
A260637 7.00897 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 28, a(1) = 35, a(2) = 56}, ogf]  
A260644 8.12954 [ -x\*(x^6+x^5+x^4-x^3-x^2-x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A260655 17.1358 [-x/(-81\*x^2-18\*x-1) revogf]  
A260655 6.72619 [ {(-36\*n-90)\*a(n+1)+(n+4)\*a(n+2), a(0) = 1, a(1) = 18}, ogf]  
A260679 11.5590 [ -(-289\*x^2+510\*x-227)/(-289\*x^3+833\*x^2-801\*x+257) lgdogf]  
A260679 13.4567 [ -(289\*x^2-544\*x+257)/(x-1)^3 ogf]  
A260679 7.64068 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 257, a(1) = 227, a(2) = 199}, ogf]  
A260686 10.9646 [ -x\*(x^2+x+1)/(x-1)/(x+1)/(x^2-x+1) ogf]  
A260686 24.5112 [x^5-2\*x^2+2 ogf\_with\_Euler\_transform]  
A260686 9.37758 [ -(-2\*x^5-2\*x^4-2\*x^3+4\*x^2-2\*x-2)/(-x^6+1) lgdogf]  
A260692 5.39115 [ (2100000\*x^5-10000\*x^4-990110\*x^3+10001\*x^2-x-1)/(x-1)/(100\*x-1)/(100\*x+1)/(x+1)/(1000\*x^2-1) ogf]  
A260696 8.18040 [ -(x^3+x^2+x-1)/(x+1)/(7\*x^8+7\*x^7+8\*x^6-8\*x^5-4\*x^3+2\*x^2-3\*x+1) ogf]  
A260699 5.16338 [ -x\*(x^6+2\*x^5+2\*x^4+2\*x^3+3\*x^2+x+1)/(x^2+x+1)/(x^2-x+1)/(x+1)^2/(x-1)^3 ogf]  
A260706 8.13041 [ -(-2\*x^5-3\*x^4-2\*x^3-2\*x^2-3\*x-3)/(x^5+x^4+x^3+x^2+x+1) ogf\_with\_Euler\_transform]  
A260708 6.27860 [ -x\*(x^6+x^5+3\*x^4+2\*x^3+2\*x^2+2\*x+1)/(x^2+x+1)/(x^2-x+1)/(x+1)^2/(x-1)^3 ogf]  
A260710 14.0758 [ 1/(x-1)/(x^6+x^5+2\*x^4+x^3+x^2-1) ogf]  
A260710 8.35750 [ -(-7\*x^6-5\*x^4+4\*x^3+2\*x+1)/(-x^7-x^5+x^4+x^2+x-1) lgdogf]  
A260714 9.63908 [ -(x^8-2\*x^7-4\*x^6-2\*x^5-6\*x^4-4\*x^3-2\*x^2-4\*x-7)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2 ogf]  
A260751 5.67869 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 6171054912832631, a(1) = 6252792570914711}, ogf]  
A260751 8.48017 [ -(6089317254750551\*x-6171054912832631)/(x-1)^2 ogf]  
A260771 12.1296 [ -(x^2-x)/(x^3+x^2+x+1) revogf]  
A260772 7.49112 [ -1/4\*I/x\*(x-1)\*(4\*x^2-4\*x-1)^(1/2)-1/4\*(2\*x^2-x-1)/x revogf]  
A260773 9.78370 [ 1/4\*(2\*x+3+(-4\*x^2-4\*x+1)^(1/2))/(x+1)\*x revogf]

A260774 6.82259 [1/2/(3\*x^2+3\*x+1)\*(-6\*x^2-6\*x-1+(48\*x^4+96\*x^3+64\*x^2+16\*x+1)^(1/2)) revogf]  
A260775 5.99146 [{(32\*n^2+32\*n+6)\*a(n)+(-2\*n^2-5\*n-3)\*a(n+1), a(0) = 1, a(1) = 4}, ogf]  
A260787 20.2962 [-(x+2)/(x^2+x-1) ogf\_with\_Euler\_transform]  
A260810 10.6939 [-(2\*x^3+54\*x^2+102\*x+22)/(x^4+16\*x^3-16\*x-1) lgdogf]  
A260810 4.58309 [{(-7\*n^2-32\*n-36)\*a(n+1)+(14\*n^2+56\*n+108)\*a(n+2)+(-7\*n^2-24\*n-20)\*a(n+3), a(0) = 0, a(1) = 1, a(2) = 22}, ogf]  
A260810 8.96906 [-x\*(x+1)\*(x^2+16\*x+1)/(x-1)^5 ogf]  
A260846 10.8409 [2\*(8\*x^2-5\*x-1)/(x-1)/(15\*x-1)/(3\*x-1) ogf]  
A260846 6.06355 [-a(n+3)+19\*a(n+2)-63\*a(n+1)+45\*a(n), a(0) = 2, a(1) = 48, a(2) = 770}, ogf]  
A260846 6.38838 [-(360\*x^4-450\*x^3+28\*x^2+142\*x-24)/(360\*x^5-729\*x^4+422\*x^3-40\*x^2-14\*x+1) lgdogf]  
A260854 5.70965 [x\*(1179648\*x^5-1339392\*x^4-12672\*x^3+2016\*x^2+248\*x-1)/(x-1)/(256\*x-1)/(16\*x-1) ogf]  
A260855 4.41530 [x\*(296875000\*x^6-301875000\*x^5-2270000\*x^4+31000\*x^3+6200\*x^2+615\*x-1)/(x-1)/(25\*x-1)/(625\*x-1) ogf]  
A260860 4.24587 [{a(n+3)-3661\*a(n+2)+219660\*a(n+1)-216000\*a(n), a(0) = 0, a(1) = 1, a(2) = 3721}, ogf]  
A260860 7.59472 [-x\*(60\*x+1)/(x-1)/(3600\*x-1)/(60\*x-1) ogf]  
A260864 6.72737 [-(76832\*x^3+33124\*x^2+5908\*x-225)/(-38416\*x^4+38612\*x^3-197\*x+1) lgdogf]  
A260865 4.53656 [{a(n+3)-241\*a(n+2)+3615\*a(n+1)-3375\*a(n), a(0) = 0, a(1) = 1, a(2) = 256}, ogf]  
A260865 5.71796 [-(-101250\*x^3+44100\*x^2+7230\*x-256)/(-50625\*x^4+50850\*x^3-226\*x+1) lgdogf]  
A260865 8.31703 [-x\*(15\*x+1)/(x-1)/(15\*x-1)/(225\*x-1) ogf]  
A260866 10.0526 [-x\*(16\*x+1)/(x-1)/(256\*x-1)/(16\*x-1) ogf]  
A260866 5.48324 [{a(n+3)-273\*a(n+2)+4368\*a(n+1)-4096\*a(n), a(0) = 0, a(1) = 1, a(2) = 289}, ogf]  
A260866 6.91117 [-(-131072\*x^3+57600\*x^2+8736\*x-289)/(-65536\*x^4+65792\*x^3-257\*x+1) lgdogf]  
A260890 13.5211 [-(x^3+2\*x^2+3\*x+1)/(x^4+x^3-x-1) ogf\_with\_Euler\_transform]  
A260916 8.60969 [-(2\*x^4-x^3+x^2+x-2)/(x^6+x^5+x^3-2\*x^2-x+1) ogf\_with\_Euler\_transform]  
A260917 10.2510 [-(7\*x^6+6\*x^5-3\*x^2-2\*x-1)/(x^7+x^6-x^3-x^2-x+1) lgdogf]  
A260917 18.5678 [1/(x-1)/(x^6+2\*x^5+2\*x^4+2\*x^3+x^2-1) ogf]  
A260918 9.05654 [x\*(4\*x^3+5\*x^2+3\*x+1)/(x+1)/(x^2+x+1)/(x-1)^4 ogf]  
A260920 4.81226 [-(x^9+28\*x^7+106\*x^6+89\*x^5+85\*x^4+138\*x^3+68\*x^2+48\*x+36)/(x^8+3\*x^7+2\*x^6+2\*x^5+3\*x^4+x^2-1) ogf]  
A260921 5.10180 [- (3\*x^9-2\*x^8+27\*x^7+8\*x^6-144\*x^5-34\*x^4-211\*x^3-98\*x^2-68\*x-48)/(x^4+2\*x^3+x-1)/(x^4-2\*x^3-x-1) ogf]  
A260937 5.59799 [-(2\*x^4+615\*x^3-915\*x^2+105\*x+1)/(x-1)/(x^2-34\*x+1)/(x^2+34\*x+1) ogf]  
A260939 2.62258 [-a(n+2)+2\*a(n+1)-a(n), a(0) = 4943, a(1) = 65003}, ogf]  
A260939 4.48865 [(55117\*x+4943)/(x-1)^2 ogf]  
A260942 3.40519 [-(2\*x^17+2\*x^16+x^15+x^14+x^13+2\*x^12-x^11+x^5+2\*x^4+x^3+x^2+x+2)/(-x^18+x^12-x^6+1) ogf\_with\_Euler\_transform]  
A260953 6.34060 [(2048\*x^7+2432\*x^6+2456\*x^5+944\*x^4+409\*x^3+25\*x^2+x+1)/(x-1)/(8\*x+1)/(8\*x-1)/(x+1)/(64\*x^2+1)/(x^2+1) ogf]  
A260955 12.5690 [-(x^2+14\*x+9)/(x^3+5\*x^2-5\*x-1) lgdogf]  
A260955 13.1772 [-6\*(x^2+6\*x+1)/(x-1)^3 ogf]  
A260955 7.10422 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 6, a(1) = 54, a(2) = 150}, ogf]  
A260973 4.34413 [(208\*x^8-256\*x^7-26\*x^6-52\*x^5-80\*x^4-65\*x^3-118\*x^2+5\*x-48)/(16\*x^8+4\*x^6+6\*x^5+3\*x^4+4\*x^3-2\*x^2+2\*x-1) ogf]  
A261004 10.1239 [(x^2+164\*x+3)/(x-1)/(x^2-98\*x+1) ogf]  
A261004 5.48380 [-a(n+3)+99\*a(n+2)-99\*a(n+1)+a(n), a(0) = -3, a(1) = -461, a(2)

= -45343}, ogf]  
 A261004 5.62441 [  $-(x^4-328x^3+16326x^2+592x-461)/(-x^5-65x^4+16134x^3-15938x^2-133x+3)$  lgdogf]  
 A261012 12.0238 [{-a(n+3)+a(n+2), a(0) = -1, a(1) = 0, a(2) = 1}, ogf]  
 A261012 19.1918 [  $-(x^2+2x)/(x^3-2x+1)$  lgdogf]  
 A261012 22.1772 [  $-(x^2+x-1)/(x-1)$  ogf]  
 A261031 17.9488 [  $-(-2x-1)/(-x^2-x+1)$  ogf\_with\_Euler\_transform]  
 A261032 4.66279 [  $-x(x^6-246x^5+4047x^4-11572x^3+4047x^2-246x+1)/(x+1)^9$  ogf]  
 A261038 6.09725 [  $-(x^{10}+2x^8-8x^7-x^6-3x^5-3x^4+3x+1)/(x-1)^3/(x+1)^3/(x^2+1)^3$  ogf]  
 A261047 15.4901 [  $2/(-x^3+3x^2-3x+1)$ , egf\_with\_Euler\_transform]  
 A261050 9.52795 [  $-(-x^4+x^3-x+1)/(-x^6-x^5-x^3+2x^2+x-1)$  ogf\_with\_Euler\_transform]  
 A261051 9.21433 [  $-(-x^4+3x^3-x-1)/(x^6+x^5+x^3-2x^2-x+1)$  ogf\_with\_Euler\_transform]  
 A261054 10.1068 [  $-(3x^4-4x^3+7x^2+12x+7)/(x^5-x^3+4x^2+x-2)$  lgdogf]  
 A261054 11.6819 [  $-(x^3-x^2+x+2)/(x^2+x-1)^3$  ogf]  
 A261055 7.72571 [  $-(-3x^4-4x^3+6x^2+8x+5)/(-x^5-2x^4+2x^3+4x^2-x-1)$  lgdogf]  
 A261055 9.63205 [  $(x^3+x^2-2x-1)/(x^2+x-1)^3$  ogf]  
 A261056 11.0840 [  $-(-2x^3+6x+8)/(-x^4-2x^3+3x^2+4x-2)$  lgdogf]  
 A261056 12.2777 [  $-(x^2-2)/(x^2+2x-1)^2$  ogf]  
 A261064 10.8441 [  $-(-18x^2+20x-6)/(-6x^3+11x^2-6x+1)$  lgdogf]  
 A261064 11.5326 [  $-(2x-1)/(3x-1)^2/(x-1)^2$  ogf]  
 A261064 3.57909 [  $\{(n+4)a(n+4)+(-24-6n)a(n+3)+(42+11n)a(n+2)+(-24-6n)a(n+1), a(0) = 1, a(1) = 6, a(2) = 26, a(3) = 100\}$ , ogf]  
 A261065 11.0877 [  $-(-3x^2+3x+8)/(-2x^3+3x^2+x-1)$  lgdegf]  
 A261065 4.14977 [  $\{(-2n^2-11n-15)a(n+1)+(-2n^2-16n-32)a(n+2)+(n+3)a(n+3), a(0) = 1, a(1) = 8, a(2) = 75\}$ , ogf]  
 A261106 8.27051 [  $(4x^5-4x^4+19x^3-54x^2+5x+28)/(x-1)/(3x^2-1)$  ogf]  
 A261107 6.11431 [  $(5x^6-6x^5-26x^4-34x^3-54x^2-19x-33)/(x^6+2x^5+2x^4+2x^3+x-1)$  ogf]  
 A261108 3.46387 [  $(7x^{12}-26x^{11}-18x^{10}+50x^9+16x^8-46x^7+35x^6-144x^5+56x^4-248x^3-89x^2-106x-63)/(x^{12}-2x^{10}+2x^8+5x^6+10x^4+3x^2-1)$  ogf]  
 A261116 9.37788 [  $-x(x^4-x^3-2x^2+3x+1)/(x-1)/(x+1)/(x^2+2x-1)/(x^2-2x-1)$  ogf]  
 A261120 11.6397 [  $-(9x^2-5x+2)/(x-1)/(3x-1)/(7x-1)$  ogf]  
 A261120 6.31306 [  $\{a(n+3)-11a(n+2)+31a(n+1)-21a(n), a(0) = 2, a(1) = 17, a(2) = 134\}$ , ogf]  
 A261120 6.53457 [  $-((189x^4-210x^3+182x^2-106x+17)/(189x^5-384x^4+296x^3-126x^2+27x-2))$  lgdogf]  
 A261140 5.67869 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 3486107472997423, a(1) = 3857999048522893\}$ , ogf]  
 A261140 8.48017 [  $-(3114215897471953x-3486107472997423)/(x-1)^2$  ogf]  
 A261143 10.3260 [  $\{-a(n+4)+a(n+3), a(0) = 3, a(1) = 3, a(2) = 2, a(3) = 1\}$ , ogf]  
 A261143 13.7680 [  $-(2x^3-2x^2-2x+3)/(-x^4+x^2+3x-3)$  lgdogf]  
 A261143 20.2305 [  $(x^3+x^2-3)/(x-1)$  ogf]  
 A261149 5.52988 [  $-((-484960926034973x+546012967024913)/(-484960926034973x^2+1000447872564916x-515486946529943))$  lgdogf]  
 A261149 5.98233 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 515486946529943, a(1) = 546012967024913\}$ , ogf]  
 A261149 9.01447 [  $-(484960926034973x-515486946529943)/(x-1)^2$  ogf]  
 A261150 5.57675 [  $-((-401060703199627x+405309730001647)/(-401060703199627x^2+804245919800264x-403185216600637))$  lgdogf]  
 A261150 5.98233 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 403185216600637, a(1) = 405309730001647\}$ , ogf]  
 A261150 9.01447 [  $-(-401060703199627x-403185216600637)/(x-1)^2$  ogf]  
 A261151 5.96229 [  $-((-10949427981133x+11871247719973)/(-10949427981133x^2+22359765831686x-11410337850553))$  lgdogf]

A261151 6.23832 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 11410337850553, a(1) = 11871247719973\}$ , ogf]  
A261151 9.48928 [ $\{-(10949427981133*x-11410337850553)/(x-1)^2$  ogf]  
A261152 5.52791 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 161004359399459161, a(1) = 171649260008631991\}$ , ogf]  
A261152 8.11694 [ $\{-(150359458790286331*x-161004359399459161)/(x-1)^2$  ogf]  
A261186 4.55656 [ $\{(-27*n^3-243*n^2-726*n-720)*a(n+1)+(4*n^3+38*n^2+110*n+100)*a(n+2), a(0) = 4, a(1) = 35\}$ , ogf]  
A261190 6.08209 [ $\{(2*x^{11}+6*x^{10}+6*x^9+5*x^8+6*x^7+6*x^6+5*x^5+6*x^4+5*x^3+6*x^2+6*x+3)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A261191 13.9840 [ $\{-x*(37*x+1)/(x-1)^3$  ogf]  
A261191 15.5976 [ $\{-(-74*x-40)/(-37*x^2+36*x+1)$  lgdogf]  
A261191 7.24173 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 40\}$ , ogf]  
A261193 4.44670 [ $\{(n^2+4*n+4)*a(n+1)+(-n^2-5*n-5)*a(n+2)+(n+1)*a(n+3), a(0) = -1, a(1) = -1, a(2) = 0\}$ , ogf]  
A261196 18.8129 [ $4/(64*x^2+1)^{(1/2)}$  lgdogf]  
A261196 5.11823 [ $\{(64*n^2+128*n+48)*a(n+1)+(n^2+5*n+6)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 8\}$ , ogf]  
A261207 3.30285 [ $\{(-3*n^2-9*n)*a(n+1)+(19*n^2+69*n+56)*a(n+2)+(-9*n^2-51*n-72)*a(n+3)+(n^2+7*n+12)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 14\}$ , ogf]  
A261241 8.20176 [ $\{-(2584*x^3-8285*x^2+8902*x-3213)/(x-1)^4$  ogf]  
A261243 8.88220 [ $\{-(x^4+x^3-x+1)/(x+1)/(x-1)^3$  ogf]  
A261258 6.77001 [ $\{(2*x^6-17*x^5+8*x^4-34*x^3-14*x^2-5*x-36)/(x^6+2*x^4+x^2+x-1)$  ogf]  
A261259 7.28337 [ $\{(14*x^5-41*x^4-40*x^3-58*x^2-11*x-41)/(2*x^5+x^4+2*x^3+x-1)$  ogf]  
A261271 5.27459 [ $\{(4*x^{13}+3*x^{11}+x^{10}+3*x^9+2*x^8+4*x^7+2*x^6+4*x^5+2*x^4+2*x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A261276 14.2780 [ $\{-x*(97*x+1)/(x-1)^3$  ogf]  
A261276 15.3357 [ $\{-(-194*x-100)/(-97*x^2+96*x+1)$  lgdogf]  
A261276 7.32855 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 100\}$ , ogf]  
A261303 7.85260 [ $\{(6*x^{26}-6*x^{25}-72*x^{24}+72*x^{23}-18*x^6+24*x^5-6*x^4-9*x^3+9*x^2-2*x+1)/(x-1)^2$  ogf]  
A261305 8.42570 [ $\{(2*x^{23}-2*x^{22}+10*x^{20}-10*x^{19}-90*x^{18}+90*x^{17}-15*x^3+15*x^2-2*x+1)/(x-1)^2$  ogf]  
A261307 9.66771 [ $\{(78*x^{34}-78*x^{33}-168*x^{24}+168*x^{23}-21*x^3+21*x^2-2*x+1)/(x-1)^2$  ogf]  
A261308 8.95585 [ $\{-(168*x^{21}-168*x^{20}-2*x^8-2*x^7+4*x^6+24*x^3-24*x^2+2*x-1)/(x-1)^2$  ogf]  
A261309 11.5168 [ $\{-(270*x^{30}-270*x^{29}+27*x^3-27*x^2+2*x-1)/(x-1)^2$  ogf]  
A261310 9.61666 [ $\{-(270*x^{27}-270*x^{26}-6*x^5+6*x^4+30*x^3-30*x^2+2*x-1)/(x-1)^2$  ogf]  
A261317 24.1416 [ $x^5+x^2+x$  lgdegf]  
A261327 9.18966 [ $\{-(5*x^5+2*x^4-2*x^3-x^2+5*x+1)/(x-1)^3/(x+1)^3$  ogf]  
A261329 23.0609 [ $-1/(x^2+2*x-1)$  ogf\_with\_Euler\_transform]  
A261330 17.0651 [ $\{-(-2*x-2)/(-x^2-2*x+1)$  ogf\_with\_Euler\_transform]  
A261331 8.14669 [ $\{-(x^4-x^3+x-1)/(x^6+2*x^5+x^4+4*x^3-3*x^2-2*x+1)$  ogf\_with\_Euler\_transform]  
A261332 8.36921 [ $\{-(2*x^4-4*x^3+2)/(-x^6-2*x^5-x^4-4*x^3+3*x^2+2*x-1)$  ogf\_with\_Euler\_transform]  
A261343 13.7658 [ $\{-x*(47*x+1)/(x-1)^3$  ogf]  
A261343 15.3542 [ $\{-(-94*x-50)/(-47*x^2+46*x+1)$  lgdogf]  
A261343 7.12873 [ $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 50\}$ , ogf]  
A261348 12.1033 [ $\{-x^2*(x^4+x^3-x^2-x-1)/(x+1)/(x^2+x+1)/(x-1)^2$  ogf]

A261351 6.07344 [  $-(x^{11}-x^{10}-3x^9+5x^8-5x^7+5x^6-x^5-2x^4+x^3-2x^2-x-1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A261373 5.40537 [  $(2x^{11}+5x^9-3x^8-2x^7+14x^6-33x^5+14x^4-58x^3-24x^2-39x-36)/(2x^6+3x^4+x^2-1)$  ogf]  
A261374 5.54722 [  $(9x^8-23x^7-50x^6+67x^5-50x^4+116x^3+43x^2+41x+39)/(x^4+2x^3+x-1)/(x^4-2x^3-x-1)$  ogf]  
A261384 13.1738 [  $-(5x^2+6x+3)/(-x^4+2x^2-1)$  ogf\_with\_Euler\_transform]  
A261386 13.6464 [  $-(4x^2+6x+4)/(-x^4+2x^2-1)$  ogf\_with\_Euler\_transform]  
A261389 13.5303 [  $-(6x^2+9x+6)/(-x^4+2x^2-1)$  ogf\_with\_Euler\_transform]  
A261391 7.86582 [  $x*(11x^4+16x^3+66x^2+16x+11)/(x-1)^6$  ogf]  
A261391 8.30690 [  $-(-22x^4-92x^3-312x^2-212x-82)/(-11x^5-5x^4-50x^3+50x^2+5x+11)$  lgdogf]  
A261394 6.82422 [  $-(3x^8-8x^7+12x^6-3x^5-4x^4+4x^3+6x^2-12x+8)/(-x^9-x^6-x^3-1)$  ogf\_with\_Euler\_transform]  
A261397 10.2972 [  $\{-a(n+2)+3a(n+1)+9a(n), a(0) = 0, a(1) = 3\}$ , ogf]  
A261397 17.0219 [  $-(-18x-3)/(-9x^2-3x+1)$  lgdogf]  
A261397 22.5425 [  $-3x/(9x^2+3x-1)$  ogf]  
A261399 11.5147 [  $-(-18x^2+12x-4)/(-18x^3+27x^2-10x+1)$  lgdogf]  
A261399 17.6558 [  $-(3x-1)/(6x-1)/(x-1)$  ogf]  
A261399 9.68917 [  $\{a(n+2)-7a(n+1)+6a(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A261418 8.11923 [  $-(4x^{14}+x^{13}+2x^{12}-3x^{11}-4x^{10}+5x^9+6x^8-15x^7+6x^6+5x^5-4x^4-3x^3+2x^2+x+4)/(x^6+x^5+x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]  
A261424 6.48101 [  $-(x^{10}*(9x^{11}+9x^{10}+8x^9+7x^8+6x^7+5x^6+4x^5+3x^4+2x^3+x^2+1)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1))$  ogf]  
A261441 7.30640 [  $-x*(x^5+2x^3-1)/(x^3-x^2+2x-1)/(x^3+x-1)/(x-1)^2$  ogf]  
A261442 7.04019 [  $x*(x^2+2x-2)/(x+1)/(x^2+x-1)/(x^3+x-1)/(x-1)^3$  ogf]  
A261445 9.79845 [  $-(-4x^4-x^2-3x-4)/(x^5+x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A261446 12.5549 [  $-(-3x^4-2x^3-2x^2-2x-3)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A261451 13.4258 [  $-(-x^3+4x+4)/(-x^4+2x^2-1)$  ogf\_with\_Euler\_transform]  
A261452 11.6164 [  $-(x^3+6x^2+5x+2)/(-x^4+2x^2-1)$  ogf\_with\_Euler\_transform]  
A261480 8.71634 [  $(2x^3+2x^2+1)/(x-1)/(2x-1)/(x+1)/(x^2+x+1)/(2x^2+x+1)$  ogf]  
A261481 5.23312 [  $-(6x^5+6x^4+x^3+7x^2+x+1)/(x-1)/(3x-1)/(2x-1)/(x+1)/(x^2+x+1)/(3x^2+x+1)/(2x^2+x+1)$  ogf]  
A261519 12.5350 [  $-(-4x^2-2x+4)/(-4x^3+2x^2+2x-1)$  ogf\_with\_Euler\_transform]  
A261520 11.6681 [  $-(9x^2+3x-6)/(9x^3-3x^2-3x+1)$  ogf\_with\_Euler\_transform]  
A261521 11.7912 [  $-(-28x^2+54x-32)/(-28x^3+83x^2-84x+29)$  lgdogf]  
A261521 13.0808 [  $-(28x^2-55x+29)/(x-1)^3$  ogf]  
A261521 7.27976 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 29, a(1) = 32, a(2) = 37\}$ , ogf]  
A261540 4.87029 [  $x*(29x^6+246x^5+1275x^4+1940x^3+1275x^2+246x+29)/(x-1)^8$  ogf]  
A261544 14.3360 [  $1/(1000x-1)/(x-1)$  ogf]  
A261544 6.14401 [  $\{-a(n+2)+1001a(n+1)-1000a(n), a(0) = 1, a(1) = 1001\}$ , ogf]  
A261557 10.3972 [  $-(-3x^3+7x^2+x+1)/(-x^4+2x^3+x-2)$  lgdogf]  
A261557 12.2721 [  $-2x^2*(x-2)/(x^2+x+1)/(x-1)^2$  ogf]  
A261557 4.62098 [  $\{(n+4)*a(n+1)+a(n+2)+a(n+3)+(-n-3)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 4, a(3) = 2\}$ , ogf]  
A261574 3.40046 [  $2x*(38x^8+1013x^7+11162x^6+43907x^5+69200x^4+43907x^3+11162x^2+1013x+38)/(x-1)^{10}$  ogf]  
A261576 10.9687 [  $-(2x^4+4x^3-4x^2+4x+2)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A261610 16.6920 [  $-(2x^3-x+2)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A261611 16.6836 [  $-(2x^4-x+2)/(x^8-1)$  ogf\_with\_Euler\_transform]  
A261612 16.2501 [  $-(x^3-x+1)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A261615 16.8787 [  $-(2x^3-2x+2)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A261616 27.8804 [  $2/(-x^3+1)$  ogf\_with\_Euler\_transform]  
A261618 9.76936 [  $-(81900x^{10}-83790x^9-8100x^8+10x-121)/(x-1)^2$  ogf]



A261629 28.3284 [2/(-x^4+1) ogf\_with\_Euler\_transform]  
A261630 16.2960 [-(2\*x^4-2\*x+2)/(x^8-1) ogf\_with\_Euler\_transform]  
A261631 28.3547 [3/(-x^3+1) ogf\_with\_Euler\_transform]  
A261632 28.5772 [3/(-x^4+1) ogf\_with\_Euler\_transform]  
A261633 15.6481 [-(3\*x^3-3\*x+3)/(x^6-1) ogf\_with\_Euler\_transform]  
A261634 13.8917 [-(3\*x^4-3\*x+3)/(x^8-1) ogf\_with\_Euler\_transform]  
A261635 27.5955 [4/(-x^3+1) ogf\_with\_Euler\_transform]  
A261636 28.3662 [4/(-x^4+1) ogf\_with\_Euler\_transform]  
A261637 16.6578 [-(4\*x^3-4\*x+4)/(x^6-1) ogf\_with\_Euler\_transform]  
A261638 16.1271 [-(4\*x^4-4\*x+4)/(x^8-1) ogf\_with\_Euler\_transform]  
A261647 16.0485 [-(6\*x^2+3\*x-6)/(-x^4+1) ogf\_with\_Euler\_transform]  
A261648 14.7237 [-(10\*x^2+5\*x-10)/(-x^4+1) ogf\_with\_Euler\_transform]  
A261649 16.8577 [-(4\*x^3-2\*x+4)/(x^6-1) ogf\_with\_Euler\_transform]  
A261650 16.8358 [-(4\*x^4+2\*x-4)/(-x^8+1) ogf\_with\_Euler\_transform]  
A261651 16.6544 [-(6\*x^3+3\*x-6)/(-x^6+1) ogf\_with\_Euler\_transform]  
A261652 16.4063 [-(6\*x^4+3\*x-6)/(-x^8+1) ogf\_with\_Euler\_transform]  
A261654 5.54986 [ -(2\*x^8+x^7+2\*x^6-6\*x^5-4\*x^4-6\*x^3+8\*x^2+7\*x+4)/(x-1)^3/  
(x^2+x+1)^3 ogf]  
A261666 5.20863 [ x^2\*(x^2+x+1)\*(x^10+x^7+x^4-x^3-1)/(x-1)/  
(x^14+x^13+x^12+x^11+x^10+x^9+x^8-x^5-x^4-x^3-x^2+1) ogf]  
A261671 12.7753 [ (x^3+9\*x^2+x+3)/(x-1)^2/(x+1)^2 ogf]  
A261671 9.22662 [-(x^4-18\*x^3-6\*x^2-30\*x-1)/(-x^5-9\*x^4+6\*x^2+x+3) lgdogf]  
A261676 6.77638 [ -  
(989\*x^8-11\*x^7-11\*x^6-11\*x^5-11\*x^4-11\*x^3-11\*x^2-11\*x-1022)/(x+1)/(x^2+1)/  
(x^4+1)/(x-1)^2 ogf]  
A261694 5.82328 [ -  
x\*(x^14+20\*x^13+2\*x^12+18\*x^11+5\*x^10+13\*x^9+13\*x^8+13\*x^6+8\*x^5+5\*x^4+3\*x^3+2\*x  
^2+x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1) ogf]  
A261704 3.69244 [   
2\*(2\*x^10+6\*x^9-47\*x^8+45\*x^7-48\*x^6+38\*x^5+99\*x^4-21\*x^3-24\*x^2-14\*x-24)/(x-1)/  
(2\*x^8-2\*x^7+x^6-4\*x^5-7\*x^4-2\*x^3-x^2+1) ogf]  
A261723 14.1365 [ -(4\*x^3+6\*x^2-3\*x-4)/(x-1)/(x+1)/(2\*x^2-1) ogf]  
A261728 8.41919 [ (x^10+3\*x^9+2\*x^8+6\*x^7+5\*x^6+9\*x^5+2\*x^4+6\*x^3+4\*x^2+3\*x+1)/  
(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2 ogf]  
A261734 10.3378 [-(x^6+x^4-x^3+x^2+1)/(-x^8+1) ogf\_with\_Euler\_transform]  
A261736 8.00444 [-(x^10+x^8+x^6-x^5+x^4+x^2+1)/(-x^12+1)  
ogf\_with\_Euler\_transform]  
A261766 6.60995 [{(n^2+2\*n)\*a(n)+(-n-1)\*a(n+1), a(0) = 1, a(1) = 0, a(2) = 3},  
ogf]  
A261770 9.39248 [-(x^10-x^8-x^6+x^5-x^4-x^2-1)/(-x^12+1)  
ogf\_with\_Euler\_transform]  
A261775 10.1245 [-(x^6-x^5-x^4-x^3-x^2-x-1)/(-x^8+1) ogf\_with\_Euler\_transform]  
A261799 4.75546 [ (x-1)^7/(2\*x^7-14\*x^6+42\*x^5-70\*x^4+70\*x^3-42\*x^2+14\*x-1) ogf]  
A261799 7.23437 [-7/(-2\*x^8+16\*x^7-56\*x^6+112\*x^5-140\*x^4+112\*x^3-56\*x^2+15\*x-1)  
lgdogf]  
A261800 4.32920 [ (x-1)^8/  
(2\*x^8-16\*x^7+56\*x^6-112\*x^5+140\*x^4-112\*x^3+56\*x^2-16\*x+1) ogf]  
A261800 6.82681 [8/  
(-2\*x^9+18\*x^8-72\*x^7+168\*x^6-252\*x^5+252\*x^4-168\*x^3+72\*x^2-17\*x+1) lgdogf]  
A261801 5.81071 [ (x-1)^9/  
(2\*x^9-18\*x^8+72\*x^7-168\*x^6+252\*x^5-252\*x^4+168\*x^3-72\*x^2+18\*x-1) ogf]  
A261831 8.34955 [   
(2\*x^11+x^10+4\*x^9+3\*x^8+8\*x^7+5\*x^6+10\*x^5+5\*x^4+2\*x^3+3\*x^2+4\*x+1)/(x-1)^2/(x  
+1)^2/(x^2+x+1)^2/(x^2-x+1)^2 ogf]  
A261877 8.95889 [-(2\*x^6-x^5-x^3-2\*x^2)/(-x^10-x^6+x^4+1)  
ogf\_with\_Euler\_transform]  
A261878 7.06937 [ (x^21-2\*x^20+x^19+2\*x^13-4\*x^12+2\*x^11+x^7-2\*x^6+x^5-x^2+x-1)/  
(x-1)^3 ogf]  
A261882 10.1060 [ -(4\*x^3+8\*x^2+x+1)/(x-1)/(x^2+x+1) ogf]  
A261882 6.00045 [{a(n+4)-a(n+1), a(0) = 1, a(1) = 1, a(2) = 8, a(3) = 5}, ogf]  
A261893 10.5820 [ (x^3+x^2+3\*x+1)/(x-1)^4 ogf]

A261893 11.1618 [  $(-x^3-5x^2-11x-7)/(-x^4-2x^2+2x+1)$  lgdogf ]  
A261893 4.33411 [  $\{( -23n^2-73n-54) * a(n+1) + (-26n^2-396n-744) * a(n+2) + (49n^2+253n+318) * a(n+3), a(0) = 1, a(1) = 7, a(2) = 23\}$ , ogf ]  
A261898 3.43450 [  $\{(-2n^2-n) * a(n) + (2n^2+8n+7) * a(n+1) + (2n^2+12n+17) * a(n+2) + (-n-3) * a(n+3), a(0) = 1, a(1) = 1, a(2) = 4\}$ , ogf ]  
A261932 6.06774 [  $-2 * (4x^8-x^7+x^5-63x^4+29x^3+10x^2+11x+13)/(x-1)/(x^4-4x^2-1)/(x^4+4x^2-1)$  ogf ]  
A261933 6.94060 [  $-(40x^4+51x^3-148x^2+51x+40)/(x-1)/(x^4-70x^2+1)$  ogf ]  
A261934 5.94345 [  $(2x^8+2x^7+x^6+2x^5-27x^4-26x^3-9x^2-10x-7)/(x-1)/(x^4-4x^2-1)/(x^4+4x^2-1)$  ogf ]  
A261935 6.74039 [  $(21x^4+18x^3-560x^2-18x-5)/(x-1)/(x^4-70x^2+1)$  ogf ]  
A261950 6.63954 [  $(7x^6+3x^5+20x^4+9x^3+8x^2+3x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf ]  
A261951 5.04495 [  $(7x^{10}+3x^9+14x^8+3x^7+15x^6+12x^5+15x^4+9x^3+8x^2+3x+1)/(x^2+1)/(x^4+1)/(x-1)^2/(x+1)^2$  ogf ]  
A261952 7.44546 [  $(3x^6-3x^5-6x^4+7x^3+5x^2+2x+1)/(x+1)/(x-1)^2$  ogf ]  
A261953 10.0352 [  $(x^3+5x^2+2x+1)/(x+1)/(x-1)^2$  ogf ]  
A261953 5.20623 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 12\}$ , ogf ]  
A261954 7.05297 [  $(7x^6+6x^5+8x^4+3x^3+2x^2+3x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf ]  
A261955 4.34699 [  $-(3x^{13}+9x^{12}-15x^{11}-13x^{10}-9x^9-5x^8-9x^7-3x^6-9x^5-6x^4-12x^3-5x^2-3x-1)/(x^2+1)/(x^4+1)/(x-1)^2/(x+1)^2$  ogf ]  
A261956 4.24930 [  $-(9x^{13}+9x^{12}-12x^{11}-13x^{10}-12x^9-5x^8-3x^7-3x^6-9x^5-6x^4-6x^3-5x^2-3x-1)/(x^2+1)/(x^4+1)/(x-1)^2/(x+1)^2$  ogf ]  
A261957 4.41680 [  $-(3x^{14}+9x^{13}-9x^{12}-3x^{11}-13x^{10}-12x^9-11x^8-6x^7-15x^4-9x^3-8x^2-3x-1)/(x^2+1)/(x^4+1)/(x-1)^2/(x+1)^2$  ogf ]  
A261958 5.58781 [  $(x^{10}+4x^9+3x^8+4x^7+4x^6+16x^5+12x^4+12x^3+11x^2+4x+1)/(x^2+1)/(x^4+1)/(x-1)^2/(x+1)^2$  ogf ]  
A261972 10.1830 [  $-(x^2-14x+25)/(x-1)/(x^2-14x+1)$  ogf ]  
A261972 5.51579 [  $\{a(n+3)-15a(n+2)+15a(n+1)-a(n), a(0) = 25, a(1) = 361, a(2) = 5041\}$ , ogf ]  
A261972 5.96302 [  $(-(-x^4+28x^3-270x^2+748x-361)/(-x^5+29x^4-250x^3+586x^2-389x+25))$  lgdogf ]  
A261973 5.08852 [  $\{a(n+3)-47a(n+2)+47a(n+1)-a(n), a(0) = 137, a(1) = 6341, a(2) = 291593\}$ , ogf ]  
A261973 9.56024 [  $-(5x^2-98x+137)/(x-1)/(x^2-46x+1)$  ogf ]  
A261974 5.01980 [  $\{-a(n+3)+47a(n+2)-47a(n+1)+a(n), a(0) = 67, a(1) = 3307, a(2) = 152275\}$ , ogf ]  
A261974 9.35508 [  $(5x^2-158x-67)/(x-1)/(x^2-46x+1)$  ogf ]  
A261988 4.09204 [  $(5x^{18}-9x^{15}+10x^{12}-5x^9+9x^6-6x^3+5)/(4x^{19}+5x^{18}-9x^{15}+14x^{13}+10x^{12}-12x^{10}-5x^9+6x^7+9x^6-2x^4-6x^3+10x+5)$  ogf ]  
A261993 8.77359 [  $(2x^{19}-4x^{18}+2x^{17}+x^7-2x^6+x^5-x^2+x-1)/(x-1)^3$  ogf ]  
A261995 5.62103 [  $-3 * (6x^8+8x^6+27x^5-596x^4+504x^3+64x^2+27x+14)/(x-1)/(x^8-110x^4+1)$  ogf ]  
A261996 5.22485 [  $4 * (x^8+3x^7+3x^6+9x^5-89x^4-165x^3-21x^2-9x-2)/(x-1)/(x^8-110x^4+1)$  ogf ]  
A261998 19.8735 [  $(-x-3)/(-x^2+1)$  ogf\_with\_Euler\_transform ]  
A262000 11.5422 [  $x * (6x^2+14x+1)/(x-1)^4$  ogf ]  
A262000 12.5606 [  $(-12x^2+54x+18)/(6x^3+8x^2-13x-1)$  lgdogf ]  
A262000 4.27060 [  $\{(n+3) * a(n+4) + (8+13n) * a(n+3) + (-62-8n) * a(n+2) + (-12-6n) * a(n+1), a(0) = 0, a(1) = 1, a(2) = 18, a(3) = 72\}$ , ogf ]  
A262011 6.78925 [  $\{(n^3+6n^2+12n+9) * a(n+1) + (-n-2) * a(n+2), a(0) = 1, a(1) = 2\}$ , ogf ]  
A262017 10.5047 [  $-(x^2-22x+61)/(x-1)/(x^2-22x+1)$  ogf ]  
A262017 5.59675 [  $\{a(n+3)-23a(n+2)+23a(n+1)-a(n), a(0) = 61, a(1) = 1381, a(2)$

= 30361}], ogf]  
 A262017 5.93743 [  $(-(-x^4+44x^3-666x^2+2804x-1381))/(-x^5+45x^4-590x^3+1910x^2-1425x+61)$  lgdogf]  
 A262018 5.23590 [  $\{a(n+3)-179a(n+2)+179a(n+1)-a(n), a(0) = 28, a(1) = 5308, a(2) = 945148\}$ , ogf]  
 A262018 5.36465 [  $(-(-7x^4-148x^3+14478x^2+2492x-1327)/(-7x^5+1179x^4+11986x^3-11986x^2-1179x+7)$  lgdogf]  
 A262018 9.48532 [  $-4*(7x^2+74x+7)/(x-1)/(x^2-178x+1)$  ogf]  
 A262019 5.23590 [  $\{-a(n+3)+179a(n+2)-179a(n+1)+a(n), a(0) = 15, a(1) = 3575, a(2) = 637215\}$ , ogf]  
 A262019 5.45406 [  $(- (5x^4-356x^3+30958x^2+1084x-715)/(5x^5-1073x^4+32754x^3-31330x^2-359x+3)$  lgdogf]  
 A262019 9.48532 [  $5*(5x^2-178x-3)/(x-1)/(x^2-178x+1)$  ogf]  
 A262020 4.26639 [  $\{(-n-2)*a(n+1)+(-n-3)*a(n+2)+a(n+4)+2*a(n+3), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = -1\}$ , ogf]  
 A262035 3.71379 [  $\{(12n^3+42n^2+36n)*a(n)+(-4n^3-33n^2-83n-60)*a(n+1)+(n^2+6n+8)*a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]  
 A262062 5.18157 [  $\{a(n+3)-27a(n+2)+27a(n+1)-a(n), a(0) = 85, a(1) = 2269, a(2) = 58969\}$ , ogf]  
 A262062 9.72540 [  $-(x^2-26x+85)/(x-1)/(x^2-26x+1)$  ogf]  
 A262063 11.2389 [  $6*(x-13)/(x-1)/(x^2-26x+1)$  ogf]  
 A262063 5.15884 [  $\{-a(n+3)+27a(n+2)-27a(n+1)+a(n), a(0) = 78, a(1) = 2100, a(2) = 54594\}$ , ogf]  
 A262063 6.91624 [  $(- (2x^3-66x^2+702x-350)/(x^4-40x^3+378x^2-352x+13)$  lgdogf]  
 A262074 5.29923 [  $\{a(n+3)-31a(n+2)+31a(n+1)-a(n), a(0) = 113, a(1) = 3473, a(2) = 104161\}$ , ogf]  
 A262074 5.56868 [  $(-(-x^4+60x^3-1238x^2+7004x-3473)/(-x^5+61x^4-1074x^3+4434x^2-3533x+113)$  lgdogf]  
 A262074 9.95612 [  $-(x^2-30x+113)/(x-1)/(x^2-30x+1)$  ogf]  
 A262075 11.4795 [  $7*(x-15)/(x-1)/(x^2-30x+1)$  ogf]  
 A262075 5.31976 [  $\{-a(n+3)+31a(n+2)-31a(n+1)+a(n), a(0) = 105, a(1) = 3248, a(2) = 97433\}$ , ogf]  
 A262075 7.19045 [  $(- (2x^3-76x^2+930x-464)/(x^4-46x^3+496x^2-466x+15)$  lgdogf]  
 A262076 5.66684 [  $-26*(x^4+22x^3+317x^2+22x+1)/(x-1)/(x^4-3148x^2+1)$  ogf]  
 A262077 5.61485 [  $3*(9x^4+140x^3-6296x^2-140x-5)/(x-1)/(x^4-3148x^2+1)$  ogf]  
 A262139 10.9995 [  $-(x^2-9x+22)/(x-1)/(x^2-6x+1)$  ogf]  
 A262139 5.82882 [  $\{a(n+3)-7a(n+2)+7a(n+1)-a(n), a(0) = 22, a(1) = 145, a(2) = 862\}$ , ogf]  
 A262139 6.19975 [  $(- (x^4-18x^3+122x^2-306x+145)/(x^5-16x^4+92x^3-218x^2+163x-22)$  lgdogf]  
 A262140 12.6291 [  $4*(x-5)/(x-1)/(x^2-6x+1)$  ogf]  
 A262140 5.82882 [  $\{-a(n+3)+7a(n+2)-7a(n+1)+a(n), a(0) = 20, a(1) = 136, a(2) = 812\}$ , ogf]  
 A262140 7.92991 [  $(- (2x^3-22x^2+70x-34)/(x^4-12x^3+42x^2-36x+5)$  lgdogf]  
 A262141 4.93564 [  $\{a(n+3)-39a(n+2)+39a(n+1)-a(n), a(0) = 181, a(1) = 7021, a(2) = 266761\}$ , ogf]  
 A262141 9.27302 [  $-(x^2-38x+181)/(x-1)/(x^2-38x+1)$  ogf]  
 A262142 10.6897 [  $9*(x-19)/(x-1)/(x^2-38x+1)$  ogf]  
 A262142 4.91380 [  $\{-a(n+3)+39a(n+2)-39a(n+1)+a(n), a(0) = 171, a(1) = 6660, a(2) = 253071\}$ , ogf]  
 A262142 6.62295 [  $(- (2x^3-96x^2+1482x-740)/(x^4-58x^3+780x^2-742x+19)$  lgdogf]  
 A262148 8.72839 [  $-56*(7x^5+x^4+7x^3+7x^2+x+1)/(7x^3+1)/(7x^3-1)$  ogf]  
 A262150 10.0174 [  $(- (x^2-x)/(x^5+2x^4+3x^3+3x^2+2x+1)$  ogf\_with\_Euler\_transform]  
 A262157 10.0698 [  $(- (-2x^3+x^2-x+2)/(x^5+x^3+x^2+1)$  ogf\_with\_Euler\_transform]  
 A262160 12.6278 [  $(- (x^5-1)/(-x^7-x^6-x-1)$  ogf\_with\_Euler\_transform]  
 A262183 11.4906 [  $-x/(10x-1)/(x-1)^4$  ogf]  
 A262183 13.7003 [  $(- (50x-14)/(10x^2-11x+1)$  lgdogf]  
 A262183 4.62609 [  $\{(n+2)*a(n+3)+(-25-11n)*a(n+2)+(50+10n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 14\}$ , ogf]

A262184 7.05701 [  $-(x^5+x^4-7x^3+x^2+3x-1)/(x-1)/(x+1)/(x^2-3x+1)/(x^2+x-1)$  ogf]  
A262221 12.5769 [  $-(x^2+48x+26)/(x^3+22x^2-22x-1)$  lgdogf]  
A262221 13.7940 [  $-(x^2+23x+1)/(x-1)^3$  ogf]  
A262221 7.50199 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 26, a(2) = 76\}$ , ogf]  
A262222 6.30536 [  $-(233x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-480)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A262229 8.21110 [  $-(791x^{19}-791x^{18}+x^5-x^4+75x^3-75x^2+9x-10)/(x-1)^2$  ogf]  
A262236 8.12092 [  $-(2x^6-x^5-x^2+3x-2)/(x-1)/(2x-1)/(x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A262242 8.47502 [  $(240x^6+28x^5-70x^4+24x^3-2x^2-12x+3)/(2x-1)/(4x-1)$  ogf]  
A262258 10.3824 [  $(2x^5+2x^4-4x^3-2x^2+2x+1)/(2x^2-1)^2$  ogf]  
A262258 8.00930 [  $-(4x^6-2x^4-4x-2)/(-4x^7-4x^6+10x^5+6x^4-8x^3-4x^2+2x+1)$  lgdogf]  
A262267 9.36200 [  $-(2x^3-x^2+2x-2)/(2x-1)/(x-1)/(x^2+1)$  ogf]  
A262268 4.17373 [  $-(32x^7+8x^6+20x^5-10x^4-29x^3+x^2-8x+4)/(x-1)/(4x-1)/(2x-1)/(x+1)/(4x^2+1)/(x^2+1)$  ogf]  
A262303 5.07888 [  $-x^3*(x^{40}-2x^{35}-2x^{25}-x^{20}-2x^{15}-x^{10}-x^5-1)/(x-1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)/(x^{30}-x^{20}-1)$  ogf]  
A262326 10.5755 [  $-(9x^2+4x-3)/(3x-1)/(3x^2-1)$  ogf]  
A262326 5.70888 [  $\{a(n+3)-3a(n+2)-3a(n+1)+9a(n), a(0) = 3, a(1) = 5, a(2) = 15\}$ , ogf]  
A262326 6.58269 [  $-(81x^4+72x^3-66x^2+5)/(81x^5+9x^4-66x^3+6x^2+13x-3)$  lgdogf]  
A262327 5.34777 [  $\{a(n+3)-6a(n+2)-9a(n+1)+54a(n), a(0) = 6, a(1) = 15, a(2) = 90\}$ , ogf]  
A262327 9.60927 [  $-3*(18x^2+7x-2)/(6x-1)/(3x-1)/(3x+1)$  ogf]  
A262328 3.50843 [  $-(17732x^6+16120x^5-6687x^4-2762x^3+540x^2+88x-11)/(2x+1)/(2x-1)/(11x-1)/(31x^2-1)/(13x^2-1)$  ogf]  
A262333 8.48087 [  $-(2x^4-x^3+2x-2)/(x-1)/(2x-1)/(x+1)/(x^2-x+1)$  ogf]  
A262334 3.24862 [  $-(64x^{10}+16x^9+24x^8+32x^7-22x^6+3x^5-61x^4+x^3-8x+4)/(x-1)/(4x-1)/(2x+1)/(2x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(4x^2-2x+1)$  ogf]  
A262342 12.3151 [  $-(2x^2-15x+10)/(x-1)/(x^2-7x+1)$  ogf]  
A262342 6.68837 [  $\{-a(n+3)+8a(n+2)-8a(n+1)+a(n), a(0) = 10, a(1) = 65, a(2) = 442\}$ , ogf]  
A262342 7.11790 [  $(-(-2x^4+30x^3-134x^2+156x-65)/(-2x^5+31x^4-146x^3+202x^2-95x+10))$  lgdogf]  
A262343 6.60725 [  $(3x^{10}+x^9+9x^8+6x^7+5x^6+9x^5+15x^4+2x^3+9x^2+3x+1)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2$  ogf]  
A262346 17.6099 [  $x/(-x^4-x^3+x+1)$  ogf\_with\_Euler\_transform]  
A262352 27.8880 [  $-x^{14}+x$  ogf\_with\_Euler\_transform]  
A262360 9.33823 [  $[2]$  ogf\_with\_Euler\_transform]  
A262364 10.8725 [  $(-(-x^3-x^2-x)/(-x^6-x^5+x+1))$  ogf\_with\_Euler\_transform]  
A262380 19.7820 [  $(-(-4x-3)/(-x^2+1))$  ogf\_with\_Euler\_transform]  
A262389 10.5815 [  $(x^2-x+2)*(x^2+2x+2)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A262397 4.74258 [  $-x^3*(x^4+x^3+x^2+x+1)*(x^{12}-x^{11}+x^{10}-x^8+2x^6-x^4+x^2-x+1)/(x^2+x+1)/(x^2-x+1)/(x^6+x^3+1)/(x^6-x^3+1)/(x-1)^3/(x+1)^3$  ogf]  
A262402 10.9775 [  $(-(-12x^3-56x^2-86x-38)/(-4x^4-11x^3-5x^2+11x+9))$  lgdogf]  
A262402 11.3742 [  $2x*(4x^2+11x+9)/(x+1)/(x-1)^4$  ogf]  
A262407 3.43698 [  $\{(-16n^2-16n)*a(n)+(-6n^2+4n+16)*a(n+1)+(9n^2+41n+44)*a(n+2)+(-n^2-6n-8)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}$ , ogf]  
A262414 10.2254 [  $(-(-27x^2+6x+3)/(-9x^3+3x^2+3x-1))$  lgdogf]  
A262414 14.7700 [  $4x/(3x-1)/(3x^2-1)$  ogf]  
A262414 5.93439 [  $\{-a(n+3)+3a(n+2)+3a(n+1)-9a(n), a(0) = 0, a(1) = 4, a(2) = 12\}$ , ogf]  
A262415 5.13922 [  $\{a(n+3)-6a(n+2)-9a(n+1)+54a(n), a(0) = 6, a(1) = 45, a(2) = 270\}$ , ogf]  
A262415 9.46270 [  $-3*(18x^2-3x-2)/(6x-1)/(3x-1)/(3x+1)$  ogf]  
A262416 4.19404 [  $6x*(14x^3-184x^2+x+19)/(2x+1)/(2x-1)/(11x-1)/(31x^2-1)/$

(13\*x^2-1) ogf]  
 A262421 4.61314 [ -(140\*x^5-34\*x^4-141\*x^3+35\*x^2+21\*x-5)/(x-1)/(2\*x+1)/(2\*x-1)/(5\*x-1)/(x+1)/(7\*x^2-1) ogf]  
 A262438 10.5339 [ -(-15\*x^16+16\*x^15+1)/(x^17-x^16+x-1) lgdogf]  
 A262438 18.5598 [ -(x^16+1)/(x-1) ogf]  
 A262450 9.67217 [ -(2\*x^4+x^3+x^2+x-2)/(x-1)/(2\*x-1)/(x+1)/(x^2+1) ogf]  
 A262466 4.43840 [ -(33\*x^7-11\*x^6+11\*x^5-15\*x^4-11\*x^3+x^2-x+1)/(3\*x-1)/(x-1)/(x^2+1)/(11\*x^4-1) ogf]  
 A262473 6.87497 [ -(16\*x^4+12\*x^3-20\*x^2-7\*x+4)/(x-1)/(4\*x-1)/(2\*x+1)/(2\*x-1)/(x+1) ogf]  
 A262480 4.11404 [ {(n+3)\*a(n+1)+(-n-3)\*a(n+2)+(-n^2-5\*n-4)\*a(n+3)+(n^2+5\*n+4)\*a(n+4), a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = 1/3, a(4) = 1/3}, egf]  
 A262482 8.12092 [ -(2\*x^7-x^6-x^3+3\*x-2)/(2\*x-1)/(x-1)/(x^2+1)/(x^4-x^2+1) ogf]  
 A262489 7.52386 [ -(x^4-x^3-10\*x^2+11\*x+7)/(x-1)/(x^4-10\*x^2+1) ogf]  
 A262490 11.9081 [ -(x-3)^2/(x-1)/(x^2-6\*x+1) ogf]  
 A262490 6.31647 [ {a(n+3)-7\*a(n+2)+7\*a(n+1)-a(n), a(0) = 9, a(1) = 57, a(2) = 337}, ogf]  
 A262490 8.54581 [ -(-x^3+9\*x^2-35\*x+19)/(-x^4+10\*x^3-28\*x^2+22\*x-3) lgdogf]  
 A262491 5.54560 [ -(10\*x^8+33\*x^6+77\*x^5-3511\*x^4+3234\*x^3+429\*x^2+77\*x+43)/(x-1)/(x^8-394\*x^4+1) ogf]  
 A262492 5.54229 [ -(12\*x^8+13\*x^6+65\*x^5-1107\*x^4+910\*x^3+117\*x^2+65\*x+25)/(x-1)/(x^4+10\*x^2-1)/(x^4-10\*x^2-1) ogf]  
 A262523 10.0457 [ -x\*(x+2)\*(x+1)/(x^2+x+1)/(x-1)^3 ogf]  
 A262523 8.21919 [ -(-3\*x^4-14\*x^3-18\*x^2-12\*x-7)/(-x^5-3\*x^4-2\*x^3+x^2+3\*x+2) lgdogf]  
 A262543 20.6247 [ -2\*x/(-x^2-4\*x-4) revogf]  
 A262543 8.68408 [ {(-4\*n-2)\*a(n)+(n+2)\*a(n+1), a(0) = 0, a(1) = 2}, ogf]  
 A262564 12.1296 [ -(x^5-3\*x^4+3\*x^3-x^2+x-2)/(x-1)^2 ogf]  
 A262565 10.0522 [ -(x^2+1)\*(2\*x^2+x+2)/(x-1)/(x^2+x+1)/(x^2-x+1) ogf]  
 A262572 4.90152 [ (121111020\*x^9-230111010\*x^8+98100000\*x^7+9810000\*x^6+981000\*x^5+98100\*x^4+9810\*x^3+991\*x^2+89\*x-1)/(100\*x-1)/(x-1)^2 ogf]  
 A262573 4.90152 [ (112111020\*x^9-213011010\*x^8+90810000\*x^7+9081000\*x^6+908100\*x^5+90810\*x^4+9091\*x^3+899\*x^2+90\*x-1)/(100\*x-1)/(x-1)^2 ogf]  
 A262574 4.90152 [ (111211020\*x^9-211301010\*x^8+90081000\*x^7+9008100\*x^6+900810\*x^5+90091\*x^4+8999\*x^3+900\*x^2+90\*x-1)/(100\*x-1)/(x-1)^2 ogf]  
 A262575 4.90152 [ (111121020\*x^9-211130010\*x^8+90008100\*x^7+9000810\*x^6+900091\*x^5+89999\*x^4+9000\*x^3+900\*x^2+90\*x-1)/(100\*x-1)/(x-1)^2 ogf]  
 A262576 4.90152 [ (111112020\*x^9-211112910\*x^8+90000810\*x^7+9000091\*x^6+899999\*x^5+90000\*x^4+9000\*x^3+900\*x^2+90\*x-1)/(100\*x-1)/(x-1)^2 ogf]  
 A262577 4.90152 [ (111111120\*x^9-211111200\*x^8+90000091\*x^7+8999999\*x^6+900000\*x^5+90000\*x^4+9000\*x^3+900\*x^2+90\*x-1)/(100\*x-1)/(x-1)^2 ogf]  
 A262578 4.90152 [ (111111030\*x^9-211111019\*x^8+89999999\*x^7+9000000\*x^6+900000\*x^5+90000\*x^4+9000\*x^3+900\*x^2+90\*x-1)/(100\*x-1)/(x-1)^2 ogf]  
 A262579 4.90152 [ (111111031\*x^9-211111021\*x^8+90000000\*x^7+9000000\*x^6+900000\*x^5+90000\*x^4+9000\*x^3+900\*x^2+90\*x-1)/(100\*x-1)/(x-1)^2 ogf]  
 A262592 11.6886 [ (2\*x-1)^2/(3\*x-1)/(x-1)^3 ogf]  
 A262592 12.5741 [ -(-12\*x^2+8\*x-2)/(-6\*x^3+11\*x^2-6\*x+1) lgdogf]  
 A262592 4.12882 [ {(n+4)\*a(n+4)+(-20-6\*n)\*a(n+3)+(30+11\*n)\*a(n+2)+(-6\*n-18)\*a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 10}, ogf]  
 A262593 12.8661 [ -(-24\*x^2-x+1)/(-12\*x^3+19\*x^2-8\*x+1) lgdogf]  
 A262593 4.28870 [ {(-n-4)\*a(n+4)+(23+8\*n)\*a(n+3)+(-37-19\*n)\*a(n+2)+(36+12\*n)\*a(n+1), a(0) = 1, a(1) = -1, a(2) = -3, a(3) = -1}, ogf]  
 A262593 9.57810 [ (3\*x-1)^3/(4\*x-1)/(x-1)^4 ogf]

A262594 11.2462 [  $-(2*x-1)^2/(4*x-1)/(x-1)^4$  ogf]  
A262594 13.4283 [  $-(-24*x^2+16*x-4)/(-8*x^3+14*x^2-7*x+1)$  lgdogf]  
A262594 4.45393 [  $\{(n+4)*a(n+4)+(-25-7*n)*a(n+3)+(44+14*n)*a(n+2)+(-32-8*n)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 14, a(3) = 52\}$ , ogf]  
A262600 14.0377 [  $x^4/(3*x-1)/(x-1)/(x^2-3*x+1)$  ogf]  
A262600 9.08320 [  $-(-12*x^3+39*x^2-32*x+7)/(-3*x^4+13*x^3-16*x^2+7*x-1)$  lgdogf]  
A262601 4.96002 [  $\{(n^3+9*n^2+26*n+24)*a(n+1)+(-n^2-9*n-20)*a(n+2)+a(n+3), a(0) = 1, a(1) = 6, a(2) = 66\}$ , ogf]  
A262602 9.21283 [  $-(x^6+x^5+x^4+2*x^3+2*x^2+1)/(x^2+1)/(x^5-x^3+x^2+x-1)$  ogf]  
A262614 10.0986 [  $-(x^5+2*x^4-x^3+3*x^2-x+2)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A262667 13.9095 [  $-(x^3-2*x-2)/(x^4-2*x^2+1)$  ogf\_with\_Euler\_transform]  
A262672 13.3637 [  $-(x^3+x-3)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A262699 12.7868 [  $(x-1)*(2*x^4+2*x^3+3*x^2+3*x+1)/(2*x^2-1)$  ogf]  
A262699 8.18928 [  $-(-12*x^6+8*x^4-x^2-4*x-2)/(4*x^7-5*x^3-2*x^2+2*x+1)$  lgdogf]  
A262709 3.83695 [  $-(-2*x^9+x^8-x^7-x^6-2*x^5+x^4-2*x^3-x^2+x-1)/(x^{10}-x^9+x^8-x^2+x-1)$  ogf\_with\_Euler\_transform]  
A262710 13.8040 [  $\{-a(n+1)-4*a(n), a(0) = 1\}$ , ogf]  
A262710 25.6361 [  $-4/(4*x+1)$  lgdogf]  
A262710 28.7124 [  $1/(4*x+1)$  ogf]  
A262711 5.61406 [  $-(549*x^{11}+10*x^{10}+90*x^9+80*x^8+270*x^7+109*x^6+50*x^5+49*x^4+40*x^3+32*x^2+5*x+4)/(10*x^6-1)$  ogf]  
A262715 10.4818 [  $\{a(n+1)-841*a(n), a(0) = 29\}$ , ogf]  
A262715 20.5892 [  $-29/(841*x-1)$  ogf]  
A262716 10.7077 [  $\{a(n+1)-961*a(n), a(0) = 31\}$ , ogf]  
A262716 21.0330 [  $-31/(961*x-1)$  ogf]  
A262721 5.99443 [  $(99*x^9-1106*x^8-2204*x^7-1418*x^6-111211*x^5-1811*x^4-1215*x^3-14*x^2-11*x-1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A262726 6.38370 [  $-(2*x^7+2*x^6-x^5+x+2)/(-x^8+x^6-x^2+1)$  ogf\_with\_Euler\_transform]  
A262732 3.60694 [  $\{(12500*n^4+100000*n^3+290000*n^2+360000*n+161280)*a(n+1)+(-27*n^4-243*n^3-798*n^2-1128*n-576)*a(n+3), a(0) = 1, a(1) = 8, a(2) = 126\}$ , ogf]  
A262734 9.09443 [  $-(2*x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)/(x^8+1)$  ogf]  
A262735 10.3858 [  $-x*(x^2+x-1)/(x-1)/(x^3+2*x^2+x-1)$  ogf]  
A262735 7.58167 [  $-(2*x^5+4*x^4-2*x^3-2*x^2+1)/(x^6+2*x^5-x^4-4*x^3+3*x-1)$  lgdogf]  
A262736 10.1379 [  $-(-x^6+x^5-3*x^4-3*x^2+x-1)/(x^8-2*x^4+1)$  ogf\_with\_Euler\_transform]  
A262737 7.36110 [  $-(-x^4+3*x^3-3*x^2+x)/(-x^5-5*x^4-10*x^3-10*x^2-5*x-1)$  revogf]  
A262738 5.93697 [  $-(-x^5+4*x^4-6*x^3+4*x^2-x)/(x^6+6*x^5+15*x^4+20*x^3+15*x^2+6*x+1)$  revogf]  
A262739 7.58788 [  $-(-x^6+5*x^5-10*x^4+10*x^3-5*x^2+x)/(-x^7-7*x^6-21*x^5-35*x^4-35*x^3-21*x^2-7*x-1)$  revogf]  
A262753 5.69857 [  $-(32*x^6+24*x^5+24*x^4-36*x^3-11*x^2-7*x+4)/(2*x-1)/(4*x-1)/(x-1)/(x^2+x+1)/(4*x^2+2*x+1)$  ogf]  
A262770 10.4218 [  $-(-4*x^8-8*x^7-12*x^6-16*x^5-14*x^4-15*x^3-11*x^2-7*x-3)/(-2*x^9-2*x^8-2*x^7-2*x^6-x^5+2*x^4+2*x^3+2*x^2+2*x+1)$  lgdogf]  
A262771 8.59501 [  $-(x^{10}+x^9+x^6+x^4+x+1)/(-x^{12}+1)$  ogf\_with\_Euler\_transform]  
A262773 10.4346 [  $x*(x^4+2*x^3+2*x^2+2*x+2)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A262774 6.13485 [  $-(-2*x^7-x^5-2*x^4-2*x^2+x)/(x^8+x^6-x^2-1)$  ogf\_with\_Euler\_transform]  
A262779 11.5448 [  $(x^2+9*x+1)/(100*x-1)/(x-1)$  ogf]  
A262779 5.87550 [  $\{-a(n+3)+101*a(n+2)-100*a(n+1), a(0) = 1, a(1) = 110, a(2) = 11011\}$ , ogf]  
A262779 7.65181 [  $-(-1001*x^2-198*x+110)/(-100*x^4-799*x^3+808*x^2+92*x-1)$  lgdogf]  
A262786 10.9159 [  $\{a(n+1)-1369*a(n), a(0) = 37\}$ , ogf]  
A262786 21.0789 [  $-37/(1369*x-1)$  ogf]  
A262787 11.2265 [  $\{a(n+1)-1681*a(n), a(0) = 41\}$ , ogf]

A262787 21.6787 [  $-41/(1681*x-1)$  ogf]  
A262789 3.75299 [  $-(288*x^7-184*x^6+84*x^5-42*x^4-285*x^3+193*x^2-72*x+36)/(x-1)/(4*x-1)/(2*x-1)/(x+1)/(4*x^2+1)/(x^2+1)$  ogf]  
A262803 19.6845 [  $2/(x^3-x^2-x+1)$  ogf\_with\_Euler\_transform]  
A262811 15.1345 [  $-(x^2+1)/(-x^4+2*x^2-1)$  ogf\_with\_Euler\_transform]  
A262860 4.88715 [  $(1024*x^8+512*x^7-1536*x^6+192*x^5+64*x^4+8*x^3-8*x^2-1)/(x-1)/(4*x-1)/(2*x-1)/(4*x+1)/(4*x^2+2*x+1)/(16*x^2+1)$  ogf]  
A262861 9.40080 [  $(1000*x^3+101*x+1)/(x-1)/(100*x-1)/(100*x+1)/(x+1)$  ogf]  
A262862 12.2208 [  $(8*x^3+5*x+1)/(x-1)/(4*x-1)/(4*x+1)/(x+1)$  ogf]  
A262863 4.59214 [  $\{-a(n+4)+11*a(n+3)-11*a(n+2)+11*a(n+1)-10*a(n), a(0) = 1, a(1) = 10, a(2) = 100, a(3) = 1001\}$ , ogf]  
A262863 9.56171 [  $(x^2-x+1)/(x-1)/(10*x-1)/(x^2+1)$  ogf]  
A262864 11.5501 [  $(x^2-x+1)/(2*x-1)/(x-1)/(x^2+1)$  ogf]  
A262864 5.61237 [  $\{-a(n+4)+3*a(n+3)-3*a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9\}$ , ogf]  
A262876 21.9975 [  $x/(x^6-2*x^3+1)$  ogf\_with\_Euler\_transform]  
A262877 22.4148 [  $-1/(-x^6+2*x^3-1)$  ogf\_with\_Euler\_transform]  
A262878 11.5516 [  $-(-x^7-2*x^4+x^3-x)/(x^12-2*x^6+1)$  ogf\_with\_Euler\_transform]  
A262879 12.3863 [  $-(-x^6-2*x^3+x-1)/(x^12-2*x^6+1)$  ogf\_with\_Euler\_transform]  
A262883 16.6041 [  $-(-x-1)/(x^6-2*x^3+1)$  ogf\_with\_Euler\_transform]  
A262884 10.4721 [  $-(x^7+x^6+2*x^4+x^3+1)/(-x^12+2*x^6-1)$  ogf\_with\_Euler\_transform]  
A262918 3.64632 [  $-(910*x^7+273*x^6-1510*x^5+139*x^4+402*x^3-65*x^2-26*x+5)/(x-1)/(2*x-1)/(5*x-1)/(x+1)/(13*x^2-1)/(7*x^2-1)$  ogf]  
A262922 8.36544 [  $-(x^6+x^5+x^3-6*x^2-4*x-1)/(x+1)/(x^2+1)^2/(x-1)^2$  ogf]  
A262923 12.5688 [  $-(x^4+2*x^3+2*x+1)/(-x^6+2*x^3-1)$  ogf\_with\_Euler\_transform]  
A262925 6.62339 [  $x*(16*x^4+241*x^3+395*x^2+91*x+1)/(x-1)^6$  ogf]  
A262927 6.24336 [  $-x*(x^8+2*x^7-x^6+3*x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3$  ogf]  
A262928 14.8261 [  $-(-x^4+x^3-x)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A262929 6.82352 [  $-(2*x^6+x^5+x^3+2*x^2)/(-x^10-x^6+x^4+1)$  ogf\_with\_Euler\_transform]  
A262933 7.95024 [  $-(x^4-2*x^3+2*x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A262938 5.67777 [  $-(2*x^10+x^9+2*x^8+x^7+2*x^6-x^5+2*x^4+x^3+2*x^2+x+2)/(-x^12+1)$  ogf\_with\_Euler\_transform]  
A262946 15.3703 [  $-(-x^4-2*x)/(x^6-2*x^3+1)$  ogf\_with\_Euler\_transform]  
A262947 15.2082 [  $-(2*x^3+1)/(-x^6+2*x^3-1)$  ogf\_with\_Euler\_transform]  
A262948 9.24921 [  $-(x^10-x^9+4*x^7+5*x^4-2*x^3+2*x)/(-x^12+2*x^6-1)$  ogf\_with\_Euler\_transform]  
A262949 9.81318 [  $-(2*x^9-2*x^7+5*x^6+4*x^3-x+1)/(-x^12+2*x^6-1)$  ogf\_with\_Euler\_transform]  
A262950 13.1020 [  $-(-x^18+x^12-x^4-1)/(-x^6+1)$  ogf\_with\_Euler\_transform]  
A262952 8.91210 [  $-(2*x^6-2*x^5+3*x^4-x^3+2*x^2+1)/(x^8+x^6-x^2-1)$  ogf\_with\_Euler\_transform]  
A262953 9.31710 [  $-(x^6+2*x^4-x^3+3*x^2-2*x+2)/(x^8+x^6-x^2-1)$  ogf\_with\_Euler\_transform]  
A262967 7.88204 [  $-(-2*x^5+2*x^4-3*x^3+2*x^2-2*x)/(x^8+x^6-x^2-1)$  ogf\_with\_Euler\_transform]  
A262977 5.42052 [  $\{(-256*n^3-384*n^2-176*n-24)*a(n)+(27*n^3+54*n^2+33*n+6)*a(n+1), a(0) = 1, a(1) = 3\}$ , ogf]  
A262984 12.0467 [  $-(-2*x^6-x^3-2)/(-x^8+x^6-x^2+1)$  ogf\_with\_Euler\_transform]  
A262997 9.25766 [  $-x*(x+1)*(3*x^2+4*x+5)/(x^2+x+1)/(x-1)^3$  ogf]  
A263002 14.1401 [  $-(2*x^3+2*x^2+2*x+2)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A263013 12.3856 [  $-x^5+x^2+x-1$  ogf\_with\_Euler\_transform]  
A263013 6.60968 [  $\{a(n+3), a(0) = 1, a(1) = -1, a(2) = 1\}$ , ogf]  
A263021 8.82980 [  $-(-4*x^4-2*x^3-x^2-3*x-2)/(x^5+x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]  
A263041 10.6840 [  $-(-x^3-2*x^2+4*x-3)/(x^4-x^3+x-1)$  ogf\_with\_Euler\_transform]  
A263042 6.79760 [  $-x*(15*x^9-2*x^8-2*x^7-2*x^6-2*x^5-2*x^4-2*x^3-2*x^2-2*x-2)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]

A263053 11.2503 [  $[-(-12*x^2+8*x+1)/(-4*x^3+4*x^2+x-1) \text{ lgdogf}]$   
A263053 17.8359 [  $[2/(2*x-1)/(2*x+1)/(x-1) \text{ ogf}]$   
A263053 6.47142 [  $\{a(n+3)-a(n+2)-4*a(n+1)+4*a(n), a(0) = 2, a(1) = 2, a(2) = 10\},$   
ogf]  
A263054 4.29687 [  $[-(140*x^6-28*x^5-193*x^4+91*x^3+47*x^2-23*x-2)/(x-1)/(2*x+1)/$   
 $(2*x-1)/(5*x-1)/(x+1)/(7*x^2-1) \text{ ogf}]$   
A263055 3.47297 [  $[-2*(2400*x^5-400*x^4+22*x^3-123*x^2+16*x+5)/(x-1)/(5*x+1)/$   
 $(4*x-1)/(2*x+1)/(2*x-1)/(4*x+1)/(5*x-1)/(10*x-1) \text{ ogf}]$   
A263081 6.38288 [  $124340*(1227983*x^37+1227983*x^36-6217*x^6-6217*x^5-6217*x^4-6217*x^3-6217*x^2-6$   
 $217*x-6217)/(1227983*x^36+6217*x^7-6217) \text{ ogf}]$   
A263119 8.65268 [  $[-(14*x^4-x^3-x^2-x-14)/(x-1)/(2*x-1)/(x+1)/(x^2+1) \text{ ogf}]$   
A263134 3.57040 [  $\{(-27*n^2-162*n-240)*a(n+1)+(31*n^2+188*n+282)*a(n$   
 $+2)+(-4*n^2-26*n-42)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 26\}, \text{ ogf}]$   
A263136 21.7996 [  $[x^2/(x^8-2*x^4+1) \text{ ogf\_with\_Euler\_transform}]$   
A263137 22.4245 [  $[-1/(-x^8+2*x^4-1) \text{ ogf\_with\_Euler\_transform}]$   
A263138 10.3140 [  $[-(x^{10}+2*x^6-x^5+x^2)/(-x^{16}+2*x^8-1) \text{ ogf\_with\_Euler\_transform}]$   
A263139 11.9728 [  $[-(-x^8-2*x^4+x-1)/(x^{16}-2*x^8+1) \text{ ogf\_with\_Euler\_transform}]$   
A263140 12.6856 [  $[-(x^4+2*x^2-x+1)/(-x^8+2*x^4-1) \text{ ogf\_with\_Euler\_transform}]$   
A263141 20.7277 [  $[x^3/(x^{10}-2*x^5+1) \text{ ogf\_with\_Euler\_transform}]$   
A263142 20.7157 [  $[x^2/(x^{10}-2*x^5+1) \text{ ogf\_with\_Euler\_transform}]$   
A263143 21.5280 [  $[x/(x^{10}-2*x^5+1) \text{ ogf\_with\_Euler\_transform}]$   
A263144 21.7048 [  $[-1/(-x^{10}+2*x^5-1) \text{ ogf\_with\_Euler\_transform}]$   
A263145 9.50322 [  $[-(-x^{13}-2*x^8+x^7-x^3)/(x^{20}-2*x^{10}+1)$   
ogf\\_with\\_Euler\\_transform]  
A263146 9.74959 [  $[-(x^{12}+2*x^7-x^5+x^2)/(-x^{20}+2*x^{10}-1)$   
ogf\\_with\\_Euler\\_transform]  
A263147 10.3365 [  $[-(x^{11}+2*x^6-x^3+x)/(-x^{20}+2*x^{10}-1) \text{ ogf\_with\_Euler\_transform}]$   
A263148 11.1112 [  $[-(x^{10}+2*x^5-x+1)/(-x^{20}+2*x^{10}-1) \text{ ogf\_with\_Euler\_transform}]$   
A263149 11.0418 [  $[-(x^6-x^5+2*x^4+x^2)/(-x^8+2*x^4-1) \text{ ogf\_with\_Euler\_transform}]$   
A263150 21.4632 [  $[x^2/(x^4-2*x^2+1) \text{ ogf\_with\_Euler\_transform}]$   
A263173 9.25140 [  $[-(6*x^3-9*x^2-15*x-3)/(x^4-2*x^3-5*x^2-2*x+1) \text{ lgdogf}]$   
A263199 13.7911 [  $[-(x^4-3*x^2)/(x^4-2*x^2+1) \text{ ogf\_with\_Euler\_transform}]$   
A263200 10.8895 [  $[-(-2*x^2+14*x-26)/(-2*x^3+15*x^2-30*x+7) \text{ lgdogf}]$   
A263200 16.0975 [  $[-4*(2*x-7)/(x^2-4*x+1) \text{ ogf}]$   
A263200 8.71160 [  $\{a(n+2)-4*a(n+1)+a(n), a(0) = 28, a(1) = 104\}, \text{ ogf}]$   
A263226 14.1369 [  $[-2*x*(1+14*x)/(x-1)^3 \text{ ogf}]$   
A263226 15.7681 [  $[-(-28*x-17)/(-14*x^2+13*x+1) \text{ lgdogf}]$   
A263226 7.32091 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 34\},$   
ogf]  
A263227 13.7843 [  $[-x*(78*x-11)/(x-1)^3 \text{ ogf}]$   
A263227 15.0606 [  $[-(-156*x-45)/(-78*x^2+89*x-11) \text{ lgdogf}]$   
A263227 7.19710 [  $\{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 0, a(1) = -11, a(2) =$   
45\}, ogf]  
A263228 13.8939 [  $[-2*x*(29*x+3)/(x-1)^3 \text{ ogf}]$   
A263228 15.4970 [  $[-(-58*x-38)/(-29*x^2+26*x+3) \text{ lgdogf}]$   
A263228 7.19504 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 6, a(2) = 76\},$   
ogf]  
A263229 14.4210 [  $[-4*x*(47*x-5)/(x-1)^3 \text{ ogf}]$   
A263229 16.6397 [  $[-(-94*x-32)/(-47*x^2+52*x-5) \text{ lgdogf}]$   
A263229 7.59002 [  $\{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 0, a(1) = -20, a(2) =$   
128\}, ogf]  
A263231 12.9335 [  $[-x*(32*x-7)/(x-1)^3 \text{ ogf}]$   
A263231 14.4258 [  $[-(-64*x-11)/(-32*x^2+39*x-7) \text{ lgdogf}]$   
A263231 6.69769 [  $\{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = 0, a(1) = -7, a(2) =$   
11\}, ogf]  
A263244 4.32932 [  $\{-a(n+4)+a(n+3)+10000*a(n+2)-10000*a(n+1), a(0) = 1, a(1) =$   
101, a(2) = 10011, a(3) = 1011111\}, ogf]  
A263244 7.92839 [  $[(1100*x^3-90*x^2+100*x+1)/(100*x+1)/(100*x-1)/(x-1) \text{ ogf}]$   
A263245 10.0590 [  $[(12*x^3-2*x^2+4*x+1)/(4*x+1)/(4*x-1)/(x-1) \text{ ogf}]$   
A263245 5.32535 [  $\{-a(n+4)+a(n+3)+16*a(n+2)-16*a(n+1), a(0) = 1, a(1) = 5, a(2) =$



19, a(3) = 95}, ogf]  
 A263313 10.5390 [ (2\*x^4+x^3+x^2-3\*x+3)/(x+1)/(x^2+1)/(x-1)^2 ogf]  
 A263318 4.11645 [ -x\*(x^4-x^3+3\*x^2-x+1)/(x^2+x+1)^3/(x-1)^9 ogf]  
 A263334 9.67986 [ -(3\*x^3+2\*x^2+2\*x-3)/(3\*x-1)/(x-1)/(x^2+x+1) ogf]  
 A263346 10.8822 [ -(-x^4-2\*x^3-2\*x^2-2\*x-1)/(x^6-2\*x^3+1)  
 ogf\_with\_Euler\_transform]  
 A263352 19.6457 [-x^4/(-x^4+2\*x^2-1) ogf\_with\_Euler\_transform]  
 A263358 22.0589 [-x^2/(-x^2+2\*x-1) ogf\_with\_Euler\_transform]  
 A263359 21.6054 [-x^3/(-x^2+2\*x-1) ogf\_with\_Euler\_transform]  
 A263360 21.4360 [-x^4/(-x^2+2\*x-1) ogf\_with\_Euler\_transform]  
 A263361 21.6680 [-x^5/(-x^2+2\*x-1) ogf\_with\_Euler\_transform]  
 A263362 21.6782 [-x^6/(-x^2+2\*x-1) ogf\_with\_Euler\_transform]  
 A263363 21.0377 [-x^7/(-x^2+2\*x-1) ogf\_with\_Euler\_transform]  
 A263364 21.4542 [-x^8/(-x^2+2\*x-1) ogf\_with\_Euler\_transform]  
 A263366 6.98802 [ -(2\*x^5-x^4+x^3-2\*x^2+2\*x-1)/(2\*x-1)/(x-1)/(x^2+x+1)/(x^2-x+1)  
 ogf]  
 A263375 4.47989 [ -(27\*x^8+18\*x^7-5\*x^6-8\*x^5-x^4+4\*x^3-7\*x^2-2\*x+2)/(3\*x-1)/  
 (3\*x^2-1)/(3\*x^6-1) ogf]  
 A263395 19.0147 [-x^6/(-x^4+2\*x^2-1) ogf\_with\_Euler\_transform]  
 A263396 18.7496 [-x^8/(-x^4+2\*x^2-1) ogf\_with\_Euler\_transform]  
 A263397 17.7563 [-x^10/(-x^4+2\*x^2-1) ogf\_with\_Euler\_transform]  
 A263398 8.08974 [ -(-5\*x^7-2\*x^6-3\*x^5+4\*x^3-8\*x-2)/(x^8-x^6+x^2-1)  
 ogf\_with\_Euler\_transform]  
 A263405 21.5094 [x^3/(x^6-2\*x^3+1) ogf\_with\_Euler\_transform]  
 A263406 21.2463 [x^4/(x^6-2\*x^3+1) ogf\_with\_Euler\_transform]  
 A263414 18.5936 [-x^6/(-x^6+2\*x^3-1) ogf\_with\_Euler\_transform]  
 A263415 18.6320 [-x^7/(-x^6+2\*x^3-1) ogf\_with\_Euler\_transform]  
 A263418 10.4352 [ -(x^3+5\*x^2+3\*x+1)/(x^2+x-1)/(x-1)^2 ogf]  
 A263418 4.31994 [ {(5\*n+17)\*a(n+1)+5\*a(n+2)+(-10\*n-29)\*a(n+3)+(5\*n+12)\*a(n+4),  
 a(0) = 1, a(1) = 6, a(2) = 21, a(3) = 51}, ogf]  
 A263426 10.5390 [ (x^3+2\*x^2-3\*x+2)/(x-1)^2/(x^2+1) ogf]  
 A263434 5.36620 [ -(2\*x^12+x^11-25\*x^8-7\*x^7+12\*x^4+2\*x^3-1)/(2\*x-1)/  
 (x^6-4\*x^4+x^2+1)/(x^6+4\*x^4+x^2-1) ogf]  
 A263444 5.03298 [-  
 (-3\*x^11+2\*x^10-2\*x^9+2\*x^8-2\*x^7+2\*x^6-5\*x^5+2\*x^4-2\*x^3+2\*x^2-2\*x+2)/(x^12-1)  
 ogf\_with\_Euler\_transform]  
 A263449 10.6482 [ (2\*x^3-3\*x^2+2\*x+1)/(x-1)^2/(x^2+1) ogf]  
 A263452 6.95567 [ -(-3\*x^13-2\*x^12-x^11-2\*x-1)/(x^14+x^13+x^12+x^2+x+1)  
 ogf\_with\_Euler\_transform]  
 A263459 8.10389 [ -(3\*x^5+2\*x^4+x^3+x^2+3\*x-2)/(3\*x-1)/(x-1)/(x^4+x^3+x^2+x+1)  
 ogf]  
 A263473 4.27889 [ -(235\*x^7-205\*x^6-161\*x^5-57\*x^4+33\*x^3-15\*x^2+3\*x-1)/(x-1)^10  
 ogf]  
 A263479 4.79446 [ (235\*x^7-205\*x^6-161\*x^5-57\*x^4+33\*x^3-15\*x^2+3\*x-1)/(x-1)^9  
 ogf]  
 A263501 9.39071 [ -(3\*x^3+5\*x^2+6\*x+2)/(-x^4-x^3+x+1) ogf\_with\_Euler\_transform]  
 A263502 5.91037 [ -(-3\*x^7+2\*x^6-9\*x^5+4\*x^4-10\*x^3+4\*x^2-6\*x+2)/(x^8+x^6-x^2-1)  
 ogf\_with\_Euler\_transform]  
 A263511 13.3393 [ -(2\*x^3+x+1)/(x+1)/(x-1)^3 ogf]  
 A263511 9.24659 [ -(-2\*x^4-4\*x^3-9\*x^2-6\*x-3)/(-2\*x^5+x^3-x^2+x+1) lgdogf]  
 A263520 3.74467 [ -(x^9-14\*x^7-6\*x^6+31\*x^5+7\*x^4-37\*x^3-3\*x^2+21\*x-8)/(x^2-4\*x  
 +1)/(x^2+2\*x-1)/(x^2+x-1)/(x-1)^2/(x+1)^2 ogf]  
 A263527 10.3337 [ -(-3\*x^5+x^3-2\*x^2+x)/(x^6-1) ogf\_with\_Euler\_transform]  
 A263528 12.4781 [ -(2\*x^4-2\*x^3+8\*x^2-2\*x+2)/(x^6-1) ogf\_with\_Euler\_transform]  
 A263529 4.67410 [ {(n+2)\*a(n+1)+(-n-3)\*a(n+2)+a(n+4)-2\*a(n+3), a(0) = 1, a(1) =  
 2, a(2) = 5, a(3) = 13}, ogf]  
 A263536 13.5873 [ (5\*x^2+2\*x+5)/(x^2+x+1)/(x-1)^2 ogf]  
 A263536 4.99292 [ {(n+4)\*a(n+1)+a(n+2)+a(n+3)+(-n-3)\*a(n+4), a(0) = 5, a(1) = 7,  
 a(2) = 12, a(3) = 17}, ogf]  
 A263536 8.28825 [ -(-10\*x^4-11\*x^3-27\*x^2-17\*x-7)/(-5\*x^5-2\*x^4-5\*x^3+5\*x^2+2\*x  
 +5) lgdogf]

A263537 10.1309 [  $(x^5+5x^4+11x^3+11x^2+x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A263551 10.1775 [  $-2*(4x^2+3x-2)/(4x-1)/(2x^2-1)$  ogf]  
A263551 5.44585 [  $\{a(n+3)-4a(n+2)-2a(n+1)+8a(n), a(0) = 4, a(1) = 10, a(2) = 40\}$ , ogf]  
A263582 9.14233 [  $-(4x^3-2x^2-1)/(8x^5-4x^4-2x^3-4x+1)$  ogf]  
A263587 5.24001 [  $(2x^8+5x^7+8x^6+7x^5+13x^4+11x^3-7x^2+2x+1)/(x^2+1)/(x-1)^2/(x^2+x-1)^2$  ogf]  
A263592 5.06093 [  $-(x^7+x^6-x^5-3x^4-x^3-3x^2-x-1)/(x^8+x^7-4x^5-2x^4-7x^3-x^2-x+1)$  ogf]  
A263598 9.25490 [  $-2*(2x^3+4x^2+2x+1)/(2x^2+2x-1)/(2x^2+1)$  ogf]  
A263603 6.29922 [  $-(2x^7+3x^6+4x^5+7x^4-x^3+x+2)/(x^2+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A263613 5.44306 [  $-x*(7000000x^4-6446000x^3+336330x^2-220x-1)/(x-1)/(100x-1)/(1000x-1)/(10x-1)$  ogf]  
A263614 9.28050 [  $x^2*(2x+1)*(2x^4-2x^2+1)/(x-1)^4/(x+1)^4$  ogf]  
A263615 6.65876 [  $(x^7-4x^5-4x^4+4x^3+4x^2-2x-2)/(x+1)^4/(x-1)^5$  ogf]  
A263622 11.3827 [  $x*(3x^2-3x+1)/(3x-1)/(2x-1)/(x-1)^2$  ogf]  
A263622 4.40052 [  $\{6a(n)n+(-11n+6)a(n+1)+(6n-5)a(n+2)+(-n+1)a(n+3), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 14, a(4) = 47\}$ , ogf]  
A263622 8.20866 [  $-(36x^4-69x^3+57x^2-24x+4)/(18x^5-51x^4+57x^3-32x^2+9x-1)$  lgdogf]  
A263637 7.46669 [  $(x^2-x-1)*(x^6+x^5-2x^3-3x^2-x-1)/(x^5-x^3-2x^2+1)$  ogf]  
A263660 12.0180 [  $(x+1)*(2x^2+1)*(x^2-x-1)/(2x^2-1)$  ogf]  
A263660 7.89064 [  $-(12x^6-16x^4+13x^2+8x+2)/(-4x^7+8x^5+4x^4+x^3-2x-1)$  lgdogf]  
A263661 6.28759 [  $(x+1)*(2x^{10}-2x^9-x^8+x^7+6x^6-2x^5-4x^4-4x^3-x-1)/(2x^4+3x^2-1)$  ogf]  
A263688 5.20358 [  $\{(-n^2-2n+1)a(n+1)+(2n+3)a(n+2)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
A263689 7.30278 [  $-(2x^6+20x^5+81x^4+6x^3+16x^2-6x+1)/(x-1)^7$  ogf]  
A263691 5.97131 [  $(x^{11}+2x^{10}+x^9+2x^7+8x^5+5x^4-7x^3-3x^2-x-1)/(x^4-x^3+x^2+x-1)$  ogf]  
A263692 5.60153 [  $(4x^{11}+4x^{10}-2x^9+8x^7-6x^6+20x^5+11x^4-17x^3-3x^2-x-1)/(x^4-x^3+x^2+x-1)$  ogf]  
A263694 8.67459 [  $(3x^8-x^7-x^6-x^5+4x^4+x^3+x^2+x+1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A263710 7.35900 [  $-(x^2-x+1)*(x^4+x^3+2x^2+2x+1)/(x^7-x^6+2x^5-x^4+x^3+x-1)$  ogf]  
A263711 3.71666 [  $(4x^{17}+9x^{15}-6x^{14}+2x^{13}-9x^{12}+5x^{11}+x^{10}+19x^9+9x^8+21x^7+6x^6+3x^5-16x^4-7x^3-4x^2-x-1)/(x^7-x^6+2x^5-x^4+x^3+x-1)$  ogf]  
A263766 5.96154 [  $\{(n^2+4n+2)a(n+1)-a(n+2), a(0) = 1, a(1) = -1\}$ , ogf]  
A263772 15.5290 [  $-(-9x+11)/(-x^3-6x^2+16x-9)$  lgdogf]  
A263772 16.9940 [  $-(x^2+7x-9)/(x-1)^2$  ogf]  
A263772 8.66040 [  $\{-a(n+3)+2a(n+2)-a(n+1), a(0) = 9, a(1) = 11, a(2) = 12\}$ , ogf]  
A263790 12.0540 [  $-(2x^3+3x-1)/(x^4-2x^3+2x^2-4x+1)$  ogf]  
A263790 7.23237 [  $-(-2x^6-5x^4-6x^2+4x-1)/(-2x^7+4x^6-7x^5+15x^4-10x^3+14x^2-7x+1)$  lgdogf]  
A263794 7.94011 [  $-(x^6-4x^4+5x^2-3)/(x+1)^3/(x-1)^4$  ogf]  
A263801 4.79767 [  $\{(2n+5)a(n+1)+(-2n-4)a(n+2)-a(n+3), a(0) = 1, a(1) = 0, a(2) = 3\}$ , ogf]  
A263805 5.51548 [  $(100000x^4-100000x^3+10000x^2-1)/(x-1)/(100x-1)/(100x+1)/(10x-1)$  ogf]  
A263806 8.57592 [  $(32x^4-32x^3+16x^2-1)/(x-1)/(4x-1)/(2x-1)/(4x+1)$  ogf]  
A263807 10.2228 [  $-(-x^4-2x^3-6x^2-6x-3)/(-x^5-x^2+x+1)$  lgdogf]  
A263807 13.4069 [  $-(x^3+x+1)/(x+1)/(x-1)^3$  ogf]  
A263812 6.13931 [  $-(6x^3+61x^2-128x-82)/(x^4+10x^3-23x^2-10x+1)$  ogf]  
A263823 4.15756 [  $\{(n+2)a(n+1)+(n+2)a(n+2)+(-n-5)a(n+3)+a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 10\}$ , ogf]  
A263824 9.54712 [  $(4x^4-3x^3-2x+3)/(x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A263843 13.9304 [  $-(-x^2+x)/(-x^3-3x^2-3x-1)$  revogf]

A263851 3.97331 [ -  
 $(4*x^9-27*x^8+82*x^7-152*x^6+192*x^5-168*x^4+99*x^3-39*x^2+9*x-1)/(x-1)^{10}$  ogf]  
A263878 10.3088 [  $x*(x^2+1)/(x-1)/(x^2-x-1)^2$  ogf]  
A263878 8.17977 [  $-(-3*x^4+3*x^3-6*x^2+9*x-1)/(-x^5+2*x^4-x^3+x^2-1)$  lgdogf]  
A263895 17.5250 [  $-(-3-2*x)/(-2*x+1)$  lgdegf]  
A263895 4.14793 [  $\{(-2*n^2-10*n-12)*a(n+1)+(-2*n^2-11*n-15)*a(n+2)+(n+2)*a(n+3),$   
 $a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A263899 7.98709 [  $(x^3-2*x^2-1)/(x-1)/(x+1)/(x^2+1)/(x^5-2*x^3-2*x+1)$  ogf]  
A263907 11.0627 [  $-16/(x-1)/(25*x-1)/(7*x-1)$  ogf]  
A263907 4.19311 [  $\{a(n+3)-33*a(n+2)+207*a(n+1)-175*a(n), a(0) = 16, a(1) = 528,$   
 $a(2) = 14112\}$ , ogf]  
A263907 7.02630 [  $-(525*x^2-414*x+33)/(175*x^3-207*x^2+33*x-1)$  lgdogf]  
A263908 4.13355 [  $-(195052*x^3-57437*x^2+3178*x-33)/(13*x-1)/(121*x-1)/(31*x-1)/$   
 $(4*x-1)$  ogf]  
A263941 10.1486 [  $-(-3*x^3-3*x^2-8*x-1)/(x+1)/(x-1)^2$  ogf]  
A263941 5.22576 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 1, a(1) = 9, a(2) = 13,$   
 $a(3) = 18\}$ , ogf]  
A263941 8.43677 [  $-(10*x^2+17*x+9)/(-3*x^5+3*x^4+11*x^3-2*x^2-8*x-1)$  lgdogf]  
A263942 14.2724 [  $2*(x-3)/(x-1)/(x^2-4*x+1)$  ogf]  
A263942 6.57771 [  $\{-a(n+3)+5*a(n+2)-5*a(n+1)+a(n), a(0) = 6, a(1) = 28, a(2) =$   
 $110\}$ , ogf]  
A263942 8.89926 [  $-(-2*x^3+14*x^2-30*x+14)/(-x^4+8*x^3-20*x^2+16*x-3)$  lgdogf]  
A263943 6.41387 [  $7*(4*x^4+16*x^3-381*x^2-16*x-1)/(x-1)/(x^2-16*x+1)/(x^2+16*x$   
 $+1)$  ogf]  
A263944 11.2357 [  $7*(x+1)*(x-4)/(x-1)/(x^2-5*x+1)$  ogf]  
A263944 6.04998 [  $\{-a(n+3)+6*a(n+2)-6*a(n+1)+a(n), a(0) = 28, a(1) = 189, a(2) =$   
 $959\}$ , ogf]  
A263944 7.69400 [  $-(x^4-6*x^3+50*x-27)/(x^5-9*x^4+20*x^3+5*x^2-21*x+4)$  lgdogf]  
A263945 6.07935 [  $13*(5*x^4+65*x^3-1947*x^2-65*x-2)/(x-1)/(x^2-36*x-1)/$   
 $(x^2+36*x-1)$  ogf]  
A263946 5.06384 [  $\{-a(n+3)+51*a(n+2)-51*a(n+1)+a(n), a(0) = 26, a(1) = 2626, a(2)$   
 $= 132522\}$ , ogf]  
A263946 5.51196 [  $-(3*x^4-100*x^3+2394*x^2+108*x-101)/$   
 $(3*x^5-203*x^4+2702*x^3-2502*x^2-x+1)$  lgdogf]  
A263946 9.15959 [  $26*(3*x^2-50*x-1)/(x-1)/(x^2-50*x+1)$  ogf]  
A263947 5.29949 [  $19*(32*x^4+680*x^3-173397*x^2-680*x-29)/(x-1)/(x^2-340*x+1)/$   
 $(x^2+340*x+1)$  ogf]  
A263948 4.72323 [  $\{-a(n+3)+975*a(n+2)-975*a(n+1)+a(n), a(0) = 244, a(1) = 267607,$   
 $a(2) = 260678620\}$ , ogf]  
A263948 8.47593 [  $61*(5*x^2-487*x-4)/(x-1)/(x^2-974*x+1)$  ogf]  
A263949 7.22392 [  $14*(x^4+4*x^3-13*x^2-32*x-2)/(x-1)/(x^4-16*x^2+1)$  ogf]  
A263960 4.98435 [  $-(240*x^4+116*x^3-243*x^2-19*x+20)/$   
 $(240*x^5-124*x^4-119*x^3+40*x^2+8*x-1)$  ogf]  
A263997 9.75831 [  $(x^4-x^3-x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
A263999 4.92310 [  $-(4*x+3)*(64*x^4+32*x^3-72*x^2-5*x+6)/$   
 $(256*x^6+64*x^5-256*x^4-44*x^3+37*x^2+5*x-1)$  ogf]  
A264000 3.78748 [  $-(65536*x^5+40960*x^4-31232*x^3+272*x^2+1260*x-81)/$   
 $(256*x^3+80*x^2-4*x-1)/(256*x^3-176*x^2+33*x-1)$  ogf]  
A264004 4.54419 [  $-(2*x^7-7*x^6+4*x^5-20*x^4-12*x^3+25*x^2+2*x+4)/(x-1)/(x+1)/$   
 $(x^2-4*x+1)/(x^4+4*x^2+1)$  ogf]  
A264014 3.92598 [  $\{-a(n+4)+15*a(n+3)-25*a(n+2), a(0) = 8, a(1) = 105, a(2) =$   
 $1573, a(3) = 20570\}$ , ogf]  
A264014 7.21688 [  $-(2*x-1)*(200*x^2+x+8)/(25*x^2-15*x+1)$  ogf]  
A264015 3.57662 [ -  
 $(39912500*x^6-86739375*x^5+1096750*x^4-951400*x^3+43870*x^2-51*x+32)/(5*x-1)/$   
 $(625*x^4-1375*x^3+25*x^2-55*x+1)$  ogf]  
A264018 4.93778 [  $\{-a(n+4)+4*a(n+3)+4*a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 25,$   
 $a(3) = 105\}$ , ogf]  
A264018 9.08838 [  $-(x^3+5*x^2+x+1)/(x^2+1)/(x^2+4*x-1)$  ogf]  
A264019 4.06217 [ -  
 $(590480*x^7+771284*x^6+5897*x^5-35397*x^4-1698*x^3+510*x^2+15*x+1)/$

$(16x^2+19x-1)/(16x^2+1)$  ogf]  
A264038 11.5937  $[-(6x^4-10x^3-20x^2+8x+3)/(2x^5-x^4-8x^3+2x^2+5x-2)$   
lgdogf]  
A264038 17.4797  $[-x(x-2)/(2x-1)/(x+1)/(x^2+x-1)$  ogf]  
A264054 4.72170  $[-(x^7-2x^6-2x^5-2x^4+7x^3+4x^2-2x-2)/(x^2-3x+1)/$   
 $(x^6-3x^3+1)$  ogf]  
A264067 4.48902  $[{-a(n+3)+19a(n+2)+16a(n+1), a(0) = 34, a(1) = 605, a(2) =$   
 $12100}$ , ogf]  
A264067 5.59866  $[{-(-1815x^2+1210x+605)/(976x^4+503x^3-296x^2+687x-34)}$   
lgdogf]  
A264067 8.59105  $[-(61x^2-41x+34)/(16x^2+19x-1)$  ogf]  
A264068 5.77113  $[-(516x^4-22067x^3+1815x^2-802x+89)/(x-1)/(x+1)/(x^2-43x$   
 $+1)$  ogf]  
A264072 4.26114  $[-(516x^6-5595x^5+238x^4-1448x^3+238x^2-7x+8)/(x-1)/$   
 $(x^4-11x^3+x^2-11x+1)$  ogf]  
A264079 7.66520  $[(x+1)^2(x^2+x+1)(x^2-x+1)/(x-1)/(2x^5+x^4+x^2+x-1)$  ogf]  
A264080 12.3652  $[(x^2+3x+1)/(x+1)/(x^2-3x+1)$  ogf]  
A264080 6.67500  $[{a(n+3)-2a(n+2)-2a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 13}$ ,  
ogf]  
A264080 7.85703  $[{-(-x^4-6x^3+x^2+6x+5)/(-x^5-x^4+7x^3+7x^2-x-1)}$  lgdogf]  
A264085 4.84023  $[{-a(n+4)+4a(n+3)+4a(n+1)+a(n), a(0) = 9, a(1) = 39, a(2) =$   
 $169, a(3) = 715}$ , ogf]  
A264085 8.91986  $[-(3x^3+13x^2+3x+9)/(x^2+1)/(x^2+4x-1)$  ogf]  
A264086 3.62345  $[{-a(n+4)+19a(n+3)+304a(n+1)+256a(n), a(0) = 64, a(1) = 1448,$   
 $a(2) = 32761, a(3) = 645627}$ , ogf]  
A264086 6.19916  $[-(3712x^3+5249x^2+232x+64)/(16x^2+19x-1)/(16x^2+1)$  ogf]  
A264091 3.93439  $[-(x^7+5x^6-12x^5-28x^4+28x^3+39x^2-7x-8)/(x^2+x-1)/(x^2-$   
 $x-1)/(x^4+4x^3-13x^2-4x+1)$  ogf]  
A264106 9.04913  $[-(2x^3+9x^2+4x+9)/(x^2+1)/(x^2+4x-1)$  ogf]  
A264107 6.43988  $[-9*(240x^3+289x^2+x+16)/(16x^2+19x-1)/(16x^2+1)$  ogf]  
A264120 10.2025  $[-(2x^3+4x^2+8x+2)/(2x^4+x^3-x^2-x-1)$  lgdogf]  
A264120 12.5569  $[x*(2x^2+x+1)/(x+1)/(x-1)^2]$  ogf]  
A264120 6.23051  $[{-a(n+4)+a(n+3)+a(n+2)-a(n+1), a(0) = 0, a(1) = 1, a(2) = 2,$   
 $a(3) = 5}$ , ogf]  
A264122 4.49493  $[-(x^7+5x^6+3x^5-4x^4-19x^3-7x^2-x-2)/(x^2+4x-1)/(x^2-$   
 $x-1)/(x^4+x^3+2x^2-x+1)$  ogf]  
A264123 4.66345  $[{-a(n+5)+10a(n+4), a(0) = 4, a(1) = 45, a(2) = 576, a(3) =$   
 $5733, a(4) = 53361}$ , ogf]  
A264123 8.16104  $[(3969x^4+27x^3-126x^2-5x-4)/(10x-1)$  ogf]  
A264129 10.6467  $[-80*(2x-1)/(25x^2-15x+1)$  ogf]  
A264129 6.04928  $[{a(n+2)-15a(n+1)+25a(n), a(0) = 80, a(1) = 1040}$ , ogf]  
A264129 7.60481  $[{-(-50x^2+50x-13)/(-50x^3+55x^2-17x+1)}$  lgdogf]  
A264130 4.08724  $[-16*(3125x^4-7250x^3+1000x^2-330x+61)/(5x-1)/$   
 $(625x^4-1375x^3+25x^2-55x+1)$  ogf]  
A264147 12.7596  $[x*(3x-1)/(x^2+x-1)^2]$  ogf]  
A264147 12.9589  $[-(9x^2-x+1)/(3x^3+2x^2-4x+1)$  lgdogf]  
A264147 4.25318  $[{(-3-n)a(n+4)+(7+4n)a(n+3)+(-1-2n)a(n+2)+(-9-3n)a(n+1),$   
 $a(0) = 0, a(1) = -1, a(2) = 1, a(3) = 1}$ , ogf]  
A264152 5.96303  $[{(-16n^2-64n-60)a(n+1)+(n+3)a(n+3), a(0) = 1, a(1) = 2,$   
 $a(2) = 6}$ , ogf]  
A264158 6.24718  $[-(x^7+x^6-4x^4-3x^3-x^2-2x-4)/(x^8-4x^5-2x^3-2x^2-2x+1)$   
ogf]  
A264166 6.96998  $[-(x+1)(x^4-x^3-x^2-2x-1)/(x^2+1)/(x^4-x^3-2x^2-x+1)$  ogf]  
A264167 5.23099  $[-(4x^6+18x^5+43x^4+53x^3+45x^2+21x+4)/$   
 $(18x^5+35x^4+23x^3+7x^2+x-1)$  ogf]  
A264185 5.38787  $[{a(n+4)-10a(n+3), a(0) = 8, a(1) = 81, a(2) = 720, a(3) =$   
 $7056}$ , ogf]  
A264185 9.73598  $[(144x^3+90x^2-x-8)/(10x-1)$  ogf]  
A264200 11.9447  $[x*(2x+1)/(2x-1)/(x+1)/(4x^2+2x-1)$  ogf]  
A264200 8.25961  $[{-(-48x^4-64x^3-16x^2+8x+5)/(-16x^5-24x^4+10x^2+x-1)}$   
lgdogf]

A264201 7.72768 [  $x^*(9*x^2+3*x+1)/(3*x-1)/(3*x^2+2*x+1)/(27*x^3+9*x^2+3*x-1)$  ogf]  
A264202 4.85575 [  $-(2*x^5+7*x^4-33*x^3-7*x^2+42*x+18)/(x^2-x-1)/(x^4+4*x^3-13*x^2-4*x+1)$  ogf]  
A264203 5.24908 [  $-(4*x^4-43*x^3-187*x^2+133*x+81)/(x-1)/(x^2-14*x+1)/(x^2+4*x+1)$  ogf]  
A264211 3.95396 [  $-(2*x^7+13*x^6-34*x^4-18*x^3+31*x^2+6*x-17)/(x^8+6*x^7-3*x^6-16*x^5-3*x^4+16*x^3-3*x^2-6*x+1)$  ogf]  
A264218 6.11587 [  $-(2*x^5+5*x^4-2*x^3-14*x^2-9*x-4)/(x^6+2*x^5-2*x^4-6*x^3-2*x^2-2*x+1)$  ogf]  
A264236 7.55598 [  $-(3*x^4+15*x^3+7*x^2-9*x+1)/(x-1)/(x^2-8*x+1)/(x^2-3*x+1)$  ogf]  
A264237 5.95217 [  $-(20*x^5-8*x^4+58*x^3-54*x^2+15*x-1)/(x-1)/(2*x^2-4*x+1)/(6*x^3-28*x^2+13*x-1)$  ogf]  
A264238 10.1261 [  $-(x^2-5*x-8)/(x^3-6*x^2-2*x+1)$  ogf]  
A264238 5.41835 [  $\{a(n+3)-2*a(n+2)-6*a(n+1)+a(n), a(0) = 8, a(1) = 21, a(2) = 89\}$ , ogf]  
A264239 4.87441 [  $-(x+1)*(72*x^4-62*x^3-65*x^2+73*x-21)/(72*x^6-62*x^5-65*x^4+65*x^3-7*x^2-7*x+1)$  ogf]  
A264245 6.41943 [  $-(x^5+x^4+x^3-3*x^2-4*x-2)/(x^6+x^4-4*x^3-x^2-2*x+1)$  ogf]  
A264251 3.94357 [  $-(x-1)*(x^6+3*x^5-12*x^4-18*x^3+20*x^2+33*x+10)/(x^8+x^7-16*x^6+9*x^5+29*x^4-9*x^3-16*x^2-x+1)$  ogf]  
A264266 3.96785 [  $-(x^7+5*x^6-12*x^5-31*x^4+28*x^3+47*x^2-8*x-10)/(x^2+x-1)/(x^2-x-1)/(x^4+4*x^3-13*x^2-4*x+1)$  ogf]  
A264273 13.3694 [  $-(16*x^2+3*x+9)/(5*x-1)$  ogf]  
A264273 7.06888 [  $\{-a(n+3)+5*a(n+2), a(0) = 9, a(1) = 48, a(2) = 256\}$ , ogf]  
A264273 8.91294 [  $-(80*x^2-32*x-48)/(x-1)/(80*x^3+x^2-42*x+9)$  lgdogf]  
A264280 10.0332 [  $-4*(x^2+2*x+2)/(4*x^3+4*x^2+3*x-1)$  ogf]  
A264280 5.32197 [  $\{a(n+3)-3*a(n+2)-4*a(n+1)-4*a(n), a(0) = 8, a(1) = 32, a(2) = 132\}$ , ogf]  
A264281 5.17267 [  $-(3*x^5+4*x^4-5*x^3-7*x^2-10*x+16)/(x-1)/(3*x^5+4*x^4-2*x^3-4*x^2-6*x+1)$  ogf]  
A264286 5.47177 [  $-(x+1)*(4*x^5+8*x^4+10*x^3+10*x^2+8*x+1)/(8*x^5+12*x^4+10*x^3+4*x^2+x-1)$  ogf]  
A264294 4.52004 [  $-(x-1)*(x^6+3*x^5+2*x^3+12*x^2+9*x+2)/(x^8+x^7-4*x^6+5*x^5+5*x^4-5*x^3-4*x^2-x+1)$  ogf]  
A264300 5.08358 [  $-(x^8+x^7-2*x^6-5*x^5-x^4+2*x^3+3*x^2+x+1)/(x^9-2*x^7-3*x^6+x^5+x^4+3*x^3+x-1)$  ogf]  
A264307 10.7845 [  $-2*(2*x^2+4*x+3)/(4*x^3+4*x^2+2*x-1)$  ogf]  
A264307 5.77067 [  $\{a(n+3)-2*a(n+2)-4*a(n+1)-4*a(n), a(0) = 6, a(1) = 20, a(2) = 68\}$ , ogf]  
A264307 6.38695 [  $-(x^4-8*x^4-32*x^3-48*x^2-28*x-10)/(-8*x^5-24*x^4-32*x^3-18*x^2-2*x+3)$  lgdogf]  
A264332 5.10860 [  $(171*x^6+144*x^5+72*x^4+4*x^3-3*x^2+2*x+1)/(9*x^3+x-1)/(27*x^3+5*x-1)$  ogf]  
A264337 10.4074 [  $-(128*x+181)/(16*x^2+19*x-1)$  ogf]  
A264337 5.96380 [  $\{-a(n+2)+19*a(n+1)+16*a(n), a(0) = 181, a(1) = 3567\}$ , ogf]  
A264337 6.31879 [  $-(2048*x^2-5792*x-3567)/(-2048*x^3-5328*x^2-3311*x+181)$  lgdogf]  
A264338 6.11642 [  $-(13*x^3-550*x^2-143*x+676)/(x-1)/(x+1)/(x^2-43*x+1)$  ogf]  
A264359 5.89850 [  $-(x^5-2*x^4+2*x^3+2*x^2-9*x-9)/(x^3-2*x^2+5*x-1)/(x^3-x^2-2*x-1)$  ogf]  
A264360 5.14030 [  $-2*(4*x^5-6*x^4-13*x^3+36*x^2+33*x+9)/(8*x^6-24*x^5+10*x^4+57*x^3+28*x^2+3*x-1)$  ogf]  
A264361 4.22820 [  $\{-a(n+3)+11*a(n+2)+22*a(n+1)-8*a(n), a(0) = 36, a(1) = 400, a(2) = 5184\}$ , ogf]  
A264361 7.92788 [  $-4*(2*x^2-x-9)/(2*x+1)/(4*x^2-13*x+1)$  ogf]  
A264365 4.77616 [  $-(x^8+3*x^7+2*x^6-3*x^5-6*x^4-6*x^3-6*x^2-2*x-1)/(x^3+x^2+1)/(x^3-x^2-1)/(x^3+2*x^2+x-1)$  ogf]  
A264366 5.02983 [  $\{-a(n+4)+3*a(n+3)+6*a(n+1)+4*a(n), a(0) = 1, a(1) = 6, a(2) = 36, a(3) = 120\}$ , ogf]  
A264366 9.12554 [  $-(6*x^3+18*x^2+3*x+1)/(2*x^2+3*x-1)/(2*x^2+1)$  ogf]

A264380 4.01978 [  $-x^*(x^8-2x^7+8x^6-13x^5+17x^4-19x^3+8x^2-4x-1)/(x^{10}-2x^9+4x^8-5x^7+x^6+4x^5-7x^4+6x^3-5x^2-2x+1)$  ogf]  
A264423 9.41725 [  $-(x^5+3x^2+1)/(x^3+x^2+1)/(x^4-x^3+x^2+3x-1)$  ogf]  
A264443 10.2388 [  $-(-12x^2+36x-28)/(-6x^3+22x^2-27x+11)$  lgdogf]  
A264443 9.55625 [  $x^*(6x^2-16x+11)/(x-1)^4$  ogf]  
A264444 10.3038 [  $-(-26x^2+70x-48)/(-13x^3+45x^2-52x+20)$  lgdogf]  
A264444 9.62596 [  $x^*(13x^2-32x+20)/(x-1)^4$  ogf]  
A264445 10.0169 [  $x^*(35x^2-80x+46)/(x-1)^4$  ogf]  
A264445 10.1504 [  $-(-70x^2+170x-104)/(-35x^3+115x^2-126x+46)$  lgdogf]  
A264446 8.89709 [  $x^*(3x-4)*(7x^2-17x+11)/(x-1)^5$  ogf]  
A264446 8.99075 [  $-(-42x^3+174x^2-246x+119)/(-21x^4+100x^3-180x^2+145x-44)$  lgdogf]  
A264447 9.01867 [  $x^*(65x^3-230x^2+274x-110)/(x-1)^5$  ogf]  
A264447 9.11165 [  $-(-130x^3+495x^2-636x+276)/(-65x^4+295x^3-504x^2+384x-110)$  lgdogf]  
A264448 4.22028 [  $\{(-133n^2-9401n-18270)*a(n+1)+(156n^2+16068n+32292)*a(n+2)+(-23n^2-7107n-14122)*a(n+3), a(0) = 0, a(1) = 391, a(2) = 910\}$ , ogf]  
A264448 8.35861 [  $-(-560x^3+1965x^2-2310x+910)/(-280x^4+1215x^3-1980x^2+1436x-391)$  lgdogf]  
A264448 8.60937 [  $x^*(280x^3-935x^2+1045x-391)/(x-1)^5$  ogf]  
A264449 7.01896 [  $x^*(351x^4-1612x^3+2796x^2-2172x+638)/(x-1)^6$  ogf]  
A264450 6.60493 [  $x^*(2408x^4-10542x^3+17358x^2-12742x+3519)/(x-1)^6$  ogf]  
A264472 5.20033 [  $4x^*(9x^5-36x^4-30x^3-6x^2+4x+2)/(9x^3+3x^2-1)/(27x^3+15x^2-1)$  ogf]  
A264484 6.66770 [  $-(x^7-3x^3+2x^2-x-1)/(x^3+2x-1)/(x^6-2x^4-1)$  ogf]  
A264491 8.98525 [  $-(x^3-x^2-x-3)/(x^5-x^4-2x^3-3x^2+1)$  ogf]  
A264492 5.21181 [  $4*(8x^5-4x^4-8x^3-x^2-x-3)/(2x+1)/(16x^5+8x^4+4x^3+10x^2+3x-1)$  ogf]  
A264502 4.84310 [  $(171x^6-180x^5-48x^4-68x^3+13x^2+2x+6)/(9x^3+x-1)/(27x^3+5x-1)$  ogf]  
A264507 8.19026 [  $-(x^4-2x^3+x-1)/(x^6-2x^5-x^4+3x^3-x^2-2x+1)$  ogf]  
A264514 5.67509 [  $-(x^5-5x^4+6x^3-5x^2+3x-1)/(x^6-6x^5+11x^4-13x^3+11x^2-6x+1)$  ogf]  
A264535 7.41297 [  $-x^*(x^7+2x^6-x^2-2x-4)/(x^4+x^3-x^2-x-1)/(x^6+x^5+2x^3+x-1)$  ogf]  
A264536 8.40439 [  $-((12x^4+4x^3+9x^2+3x+1)/(4x^2+2x+1)/(4x^3-2x^2+3x-1))$  ogf]  
A264537 3.49582 [  $-x^*(768x^9-256x^8+256x^7-104x^6-8x^5+64x^4-16x^3+46x^2-17x+19)/(256x^{10}+288x^7-24x^6+120x^5+18x^3+3x-1)$  ogf]  
A264544 14.0864 [  $-(x^2+1)/(x^4+2x-1)$  ogf]  
A264544 7.18992 [  $-(-2x^5-4x^3+2x^2-2x-2)/(-x^6-x^4-2x^3+x^2-2x+1)$  lgdogf]  
A264551 12.2286 [  $-(4x^3+2x^2+1)/(8x^4+2x-1)$  ogf]  
A264565 4.72175 [  $-2*(81x^6+72x^5+51x^4+12x^3-4x^2-4x-1)/(9x^3+3x^2-1)/(27x^3+15x^2-1)$  ogf]  
A264570 13.7332 [  $-(32x^3+2)/(8x^4+2x-1)$  lgdogf]  
A264570 22.0563 [  $-1/(8x^4+2x-1)$  ogf]  
A264579 5.72443 [  $(144x^6+36x^5-72x^4+12x^3+8x^2+8x+1)/(243x^6-9x^4-36x^3-2x+1)$  ogf]  
A264584 8.36015 [  $-x*(x-1)*(x^6+2x^5+2x^4+2x^3+2x^2+x+1)/(x^{10}+x^9-2x^5-x^4-x^3+1)$  ogf]  
A264585 6.96750 [  $-(16x^8-8x^5+4x^4-2x^3-1)/(64x^{10}-32x^7+16x^6-16x^5-2x+1)$  ogf]  
A264613 7.51102 [  $-(8x^5+2x^4-x^3-8x^2-5x-2)/(x-1)/(4x^3-1)/(x^2+x+1)$  ogf]  
A264622 11.1880 [  $-x*(x+1)^2/(x^5+2x^4+x^3-1)$  ogf]  
A264622 7.71975 [  $-(-3x^5-9x^4-9x^3-3x^2-2)/(-x^6-3x^5-3x^4-x^3+x+1)$  lgdogf]  
A264629 6.97310 [  $-(x^8-3x^5+2x^4-x^3-1)/(x^{10}-4x^7+2x^6-2x^5-2x+1)$  ogf]  
A264649 7.63109 [  $-(x^8-3x^5-x^3-1)/(x^{10}-4x^7+2x^6-2x^5-2x+1)$  ogf]  
A264670 5.36178 [  $-(x^8+x^6-3x^5-x^4-5x^2-1)/(x^{10}+x^8-4x^7+x^6-2x^5-3x^4-x^3-2x+1)$  ogf]

A264677 4.76845 [  $-(x^8+2x^6-4x^5-x^4-7x^2+x-1)/(x^9-x^8+3x^7-7x^6+5x^5-7x^4-5x^3+3x^2-3x+1)$  ogf]  
A264750 10.1234 [  $-(x-5)/(x-1)^6$  ogf]  
A264750 16.5281 [  $-(-5x+29)/(-x^2+6x-5)$  lgdogf]  
A264750 5.25894 [  $\{(5n+15)a(n+3)+(-41-6n)a(n+2)+(6+n)a(n+1), a(0) = 5, a(1) = 29, a(2) = 99\}$ , ogf]  
A264754 12.2732 [  $-(x^4-2x^3+2x+1)/(x+1)^2/(x-1)^3$  ogf]  
A264754 9.31446 [  $-(-x^5+3x^4-2x^3-2x^2-7x-3)/(-x^6+2x^5+x^4-4x^3-x^2+2x+1)$  lgdogf]  
A264756 9.71949 [  $-(2x^7+2x^6-2x^4-x^3-3x^2-1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A264788 10.2300 [  $2*(x^5+x^4-x^3+x^2+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A264797 9.17427 [  $-(5x^5+x^4+14x^3+6x^2+5x+1)/(x^2+1)/(x-1)^3/(x+1)^3$  ogf]  
A264800 12.5422 [  $(x-1)*(x+1)*(x^3+x^2+1)/(x^2+x-1)$  ogf]  
A264850 10.4051 [  $-x*(13x+1)/(x-1)^5$  ogf]  
A264850 15.2075 [  $-(-52x-18)/(-13x^2+12x+1)$  lgdogf]  
A264850 5.16857 [  $\{(-2-n)a(n+3)+(6-12n)a(n+2)+(52+13n)a(n+1), a(0) = 0, a(1) = 1, a(2) = 18\}$ , ogf]  
A264851 10.4527 [  $-x*(15x+1)/(x-1)^5$  ogf]  
A264851 15.2770 [  $-(-60x-20)/(-15x^2+14x+1)$  lgdogf]  
A264851 5.19217 [  $\{(-2-n)a(n+3)+(6-14n)a(n+2)+(60+15n)a(n+1), a(0) = 0, a(1) = 1, a(2) = 20\}$ , ogf]  
A264852 10.5952 [  $-x*(17x+1)/(x-1)^5$  ogf]  
A264852 15.4853 [  $-(-68x-22)/(-17x^2+16x+1)$  lgdogf]  
A264852 5.26297 [  $\{(-2-n)a(n+3)+(6-16n)a(n+2)+(68+17n)a(n+1), a(0) = 0, a(1) = 1, a(2) = 22\}$ , ogf]  
A264853 10.0638 [  $-x*(x^2+8x+1)/(x-1)^5$  ogf]  
A264853 12.6559 [  $-(3x^2+34x+13)/(x^3+7x^2-7x-1)$  lgdogf]  
A264853 4.21865 [  $\{(n+3)a(n+4)+(1+7n)a(n+3)+(-41-7n)a(n+2)+(-3-n)a(n+1), a(0) = 0, a(1) = 1, a(2) = 13, a(3) = 56\}$ , ogf]  
A264854 10.1079 [  $-x*(x^2+9x+1)/(x-1)^5$  ogf]  
A264854 12.7114 [  $-(3x^2+38x+14)/(x^3+8x^2-8x-1)$  lgdogf]  
A264854 4.23715 [  $\{(n+3)a(n+4)+(2+8n)a(n+3)+(-46-8n)a(n+2)+(-3-n)a(n+1), a(0) = 0, a(1) = 1, a(2) = 14, a(3) = 61\}$ , ogf]  
A264888 11.9292 [  $-(3x^2+46x+16)/(x^3+10x^2-10x-1)$  lgdogf]  
A264888 4.05592 [  $\{(n+3)a(n+4)+(4+10n)a(n+3)+(-56-10n)a(n+2)+(-3-n)a(n+1), a(0) = 0, a(1) = 1, a(2) = 16, a(3) = 71\}$ , ogf]  
A264888 9.65694 [  $-x*(x^2+11x+1)/(x-1)^5$  ogf]  
A264891 3.66569 [  $\{(-17425n^2-74477n-79254)a(n+1)+(19250n^2+17834n+30168)a(n+2)+(-1825n^2-5757n-4214)a(n+3), a(0) = 0, a(1) = 1, a(2) = 112\}$ , ogf]  
A264891 7.94232 [  $-x*(34x^3+233x^2+107x+1)/(x-1)^5$  ogf]  
A264891 8.11131 [  $- (68x^3+801x^2+894x+112)/(34x^4+199x^3-126x^2-106x-1)$  lgdogf]  
A264892 3.61560 [  $\{(-16419n^2-69680n-73684)a(n+1)+(17520n^2+11848n+18440)a(n+2)+(-1101n^2-3440n-2476)a(n+3), a(0) = 0, a(1) = 1, a(2) = 176\}$ , ogf]  
A264892 7.75303 [  $- (130x^3+1428x^2+1506x+176)/(65x^4+346x^3-240x^2-170x-1)$  lgdogf]  
A264892 7.83379 [  $-x*(65x^3+411x^2+171x+1)/(x-1)^5$  ogf]  
A264894 7.88416 [  $- (222x^3+2316x^2+2346x+261)/(111x^4+550x^3-405x^2-255x-1)$  lgdogf]  
A264894 7.96544 [  $-x*(111x^3+661x^2+256x+1)/(x-1)^5$  ogf]  
A264895 3.87166 [  $\{(-10340n^2-43405n-45450)a(n+1)+(10696n^2+4570n+6084)a(n+2)+(-356n^2-1101n-778)a(n+3), a(0) = 0, a(1) = 1, a(2) = 370\}$ , ogf]  
A264895 8.05937 [  $- (350x^3+3510x^2+3450x+370)/(175x^4+820x^3-630x^2-364x-1)$  lgdogf]  
A264895 8.14245 [  $-x*(175x^3+995x^2+365x+1)/(x-1)^5$  ogf]  
A264923 25.9356 [  $x^2/(-x^3+3x^2-3x+1)$  ogf\_with\_Euler\_transform]  
A264924 19.8562 [  $x^3/(x^4-4x^3+6x^2-4x+1)$  ogf\_with\_Euler\_transform]  
A264925 16.7425 [  $x^4/(-x^5+5x^4-10x^3+10x^2-5x+1)$  ogf\_with\_Euler\_transform]  
A264926 15.3354 [  $x^5/(x^6-6x^5+15x^4-20x^3+15x^2-6x+1)$

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ogf_with_Euler_transform]
A264928 31.6203 [-(1-3*x)/(x-1) ogf_with_Euler_transform]
A264938 8.61434 [-(4*x^4+15*x^3+15*x^2+14*x+6)/(2*x^5+3*x^4+x^3-2*x^2-3*x-1)
lgdogf]
A264938 9.58225 [-x*(2*x+1)*(x+1)^2/(x^2+x+1)/(x-1)^3 ogf]
A265021 5.91159 [-32*x*(x^4+26*x^3+66*x^2+26*x+1)/(x-1)^7 ogf]
A265021 6.96131 [-(3*x^4-108*x^3-408*x^2-288*x-33)/(-
x^5-25*x^4-40*x^3+40*x^2+25*x+1) lgdogf]
A265035 8.69520 [-(x^8-2*x^7+2*x^6-2*x^5-x^2-1)/(x^2-x+1)/(x-1)^2 ogf]
A265036 6.22588 [-(2*x^9-6*x^8+8*x^7-7*x^6+2*x^5+2*x^4-5*x^3+2*x^2-1)/(x-1)^2/
(x^2-x+1)^2 ogf]
A265037 3.52447 [{(-24*n-152)*a(n+1)+(42*n+242)*a(n+2)+(-21*n-115)*a(n+3)+(3*n
+16)*a(n+4), a(0) = 1, a(1) = 30, a(2) = 185, a(3) = 886}, ogf]
A265037 9.06907 [(14*x^3-34*x^2+22*x+1)/(2*x-1)/(4*x-1)/(x-1)^2 ogf]
A265044 5.29801 [-(x^2+x+1)*(x^2-x+1)*(x^4-x^3+x^2-x+1)*(x+1)^3/(x-1)/(x^10-
x^9-x^6+x^5-x^4-x+1) ogf]
A265045 10.1219 [-(x+1)*(x^7-x^6-x^4+2*x^3-2*x^2-1)/(x-1)^2 ogf]
A265046 12.4099 [-(x+1)*(x^7-x^6+x^5-x^4-x^3-1)/(x-1)^2 ogf]
A265048 4.29832 [-(x^2-x+1)*(x^4+x^3+x^2+x+1)*(x^4-x^3+x^2-x+1)*(x+1)^3/(x-1)/
(x^12-x^11-x^8-x^6-x^4-x+1) ogf]
A265049 4.93263 [-(x^2-x+1)*(x^4-x^3+x^2-x+1)*(x^2+1)*(x+1)^3/(x-1)/
(x^10-2*x^9+2*x^8-2*x^7+x^6-x^5+x^4-2*x^3+2*x^2-2*x+1) ogf]
A265050 7.88222 [-(x^2+1)*(x^2-x+1)*(x+1)^3/(x-1)/(x^6-x^5-x^4+x^3-x^2-x+1)
ogf]
A265051 7.65391 [-(x^2+1)*(x^2-x+1)*(x+1)^3/(x-1)/(x^6-x^5-x^4-x^2-x+1) ogf]
A265052 5.13336 [-(x^2-x+1)*(x^4-x^3+x^2-x+1)*(x^2+1)*(x+1)^3/(x-1)/
(x^4-2*x^3+x^2-2*x+1)/(x^6+x^3+1) ogf]
A265053 4.56056 [-(x^2-x+1)*(x^4-x^3+x^2-x+1)*(x^2+1)*(x+1)^3/(x-1)/
(x^10-2*x^9+x^8-2*x^6+2*x^5-2*x^4+x^2-2*x+1) ogf]
A265054 6.25312 [-(x^4-x^3+x^2-x+1)*(x^2-x+1)*(x+1)^3/(x-1)/(x^2+1)/(x^6-2*x^5-
x^4+3*x^3-x^2-2*x+1) ogf]
A265055 7.51571 [(x^2+1)*(x^2+x+1)*(x^2-x+1)*(x+1)^3/(x-1)/(x^7+x^6+x^5+x^4-1)
ogf]
A265056 13.3058 [-(3*x^2-22*x-5)/(4*x^4-13*x^3+7*x^2+x+1) lgdogf]
A265056 14.2700 [(4*x^3-9*x^2-2*x-1)/(x-1)^3 ogf]
A265056 7.34800 [{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 1, a(1) = 5, a(2) =
21, a(3) = 45}, ogf]
A265057 5.64017 [(x^2+x+1)*(x^6+x^5+x^4+x^3+x^2+x+1)*(x+1)^2/(x^10+x^9-x^7-x^6-
x^5-x^4-x^3+x+1) ogf]
A265058 6.94086 [(x^2+x+1)*(x^2+1)*(x^4+1)*(x+1)^2/(x^10-x^7-x^5-x^3+1) ogf]
A265059 7.22647 [(x^2+x+1)*(x^6+x^3+1)*(x+1)^2/(x^10-x^8-x^5-x^2+1) ogf]
A265060 8.45760 [(x^2+1)*(x^4+x^3+x^2+x+1)*(x+1)^2/(x^8-x^5-x^4-x^3+1) ogf]
A265061 7.06262 [(x^2+1)*(x^2+x+1)*(x^2-x+1)*(x+1)^2/(x^8-
x^7+x^6-2*x^5+x^4-2*x^3+x^2-x+1) ogf]
A265062 6.87974 [(x^2+1)*(x^6+x^5+x^4+x^3+x^2+x+1)*(x+1)^2/(x^2+x+1)/(x^2-x+1)/
(x^6-x^4-x^3-x^2+1) ogf]
A265063 7.91707 [(x^2+1)*(x^4+1)*(x+1)^2/(x^8-x^7-x^5+x^4-x^3-x+1) ogf]
A265064 9.80705 [(x^4+x^3+x^2+x+1)*(x+1)^2/(x^6-x^4-x^3-x^2+1) ogf]
A265065 6.73776 [(x^2+x+1)*(x^2-x+1)*(x^4+x^3+x^2+x+1)*(x+1)^2/(x^2+1)/(x^8-
x^6-x^5-x^3-x^2+1) ogf]
A265066 4.98273 [(x^4+x^3+x^2+x+1)*(x^6+x^5+x^4+x^3+x^2+x+1)*(x+1)^2/
(x^12+x^11-x^9-2*x^8-3*x^7-3*x^6-3*x^5-2*x^4-x^3+x+1) ogf]
A265067 5.50365 [(x^2+1)*(x^4+x^3+x^2+x+1)*(x^4+1)*(x+1)^2/
(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6-x^5-x^3-x+1) ogf]
A265068 9.82476 [-(x^4+x^3+x^2+x+1)*(x+1)^2/(x^5+x^4+x^3+x^2-1) ogf]
A265069 10.4624 [(x+1)^2*(x^2+x+1)*(x^2-x+1)/(x^6-x^5-x^3-x+1) ogf]
A265070 10.9457 [-(x+1)^2*(x^2+x+1)*(x^2-x+1)/(x^5+x^3+x-1) ogf]
A265071 9.95448 [(x^2+x+1)*(x^2+1)*(x+1)^2/(x^6-x^4-x^3-x^2+1) ogf]
A265072 10.1762 [(x^2+x+1)*(x^4+x^3+x^2+x+1)/(x^6-x^5-x^3-x+1) ogf]
A265073 8.73274 [(x+1)^2*(x^2+x+1)*(x^2-x+1)/(x^6-x^5-x^4+x^3-x^2-x+1) ogf]
A265074 8.09408 [(x^2+x+1)*(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2-x+1)/(x^6-x^4-2*x^3-

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$x^2+1$ ) ogf]  
A265075 9.63581 [  $(x^2+x+1)*(x^2+1)*(x+1)^2/(x^6-x^4-2*x^3-x^2+1)$  ogf]  
A265076 10.0376 [  $(x^2+x+1)*(x^4+x^3+x^2+x+1)/(x^2+1)/(x^4-x^3-x^2-x+1)$  ogf]  
A265077 9.23908 [  $(x+1)^2*(x^2+x+1)*(x^2-x+1)/(x^6-x^5-x^4-x^2-x+1)$  ogf]  
A265078 29.3871 [- $x^5+x^4-x+4$  ogf\_with\_Euler\_transform]  
A265078 8.93702 [  $-(x+1)^2*(x^2+x+1)*(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A265101 4.11358 [  $\{(576*n^3+3744*n^2+8048*n+5720)*a(n+1)+(-9*n^3-72*n^2-185*n-150)*a(n+2), a(0) = 1, a(1) = 30\}$ , ogf]  
A265106 8.99664 [  $-x*(x^4-x^3-2*x^2+x-1)/(x-1)/(x^3+2*x-1)$  ogf]  
A265107 10.0073 [  $-(2*x^4+8*x^3-4*x^2-4*x-2)/(-2*x^5-5*x^4-2*x+1)$  lgdogf]  
A265107 14.0454 [  $-x*(x+1)*(2*x^2-x+1)/(x^2+2*x-1)$  ogf]  
A265107 6.35386 [  $\{-a(n+5)+2*a(n+4)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6, a(4) = 16\}$ , ogf]  
A265133 8.46697 [  $x*(x^{11}+x^{10}+x^9+x^7+x^6+x^4+x^3+x+1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A265165 5.35924 [  $\{(n^2+3*n+1)*a(n+1)+(-2*n-4)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A265185 11.1778 [  $-(-4*x^2+4*x-2)/(-4*x^3+10*x^2-6*x+1)$  lgdogf]  
A265185 16.1457 [  $-4*(2*x-1)/(2*x^2-4*x+1)$  ogf]  
A265185 8.86044 [  $\{a(n+2)-4*a(n+1)+2*a(n), a(0) = 4, a(1) = 8\}$ , ogf]  
A265187 7.60258 [  $x*(x^8+x^7+2*x^6+x^5+x^4+x^3+2*x^2+x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A265188 10.9256 [  $x*(x^4+4*x^3+x^2+4*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A265207 14.3799 [  $(2*x^3+10*x^2+7*x+1)/(x-1)/(2*x^2-1)$  ogf]  
A265207 7.51187 [  $\{-a(n+4)+a(n+3)+2*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 8, a(2) = 20, a(3) = 36\}$ , ogf]  
A265207 9.23477 [  $-((24*x^4+32*x^3-4*x^2-24*x-8)/(4*x^6+16*x^5-8*x^4-20*x^3+x^2+6*x+1)$  lgdogf]  
A265225 12.0260 [  $-(3*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A265225 12.7660 [  $-(-12*x^2-8*x-4)/(-3*x^3-x^2+3*x+1)$  lgdogf]  
A265225 4.16980 [  $\{(-n-4)*a(n+4)+(-5-3*n)*a(n+3)+(10+n)*a(n+2)+(15+3*n)*a(n+1), a(0) = 1, a(1) = 4, a(2) = 6, a(3) = 12\}$ , ogf]  
A265227 10.0635 [  $x*(x^2+x+1)^2/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A265227 28.0018 [  $x^4-2*x^2+3$  ogf\_with\_Euler\_transform]  
A265228 8.07634 [  $x*(x^6+2*x^5+4*x^4+2*x^3+2*x^2+2*x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A265257 11.9999 [  $-(-x^6+x^5+x^4-2*x)/(-x+1)$  ogf\_with\_Euler\_transform]  
A265278 10.9669 [  $x*(x^3+x^2-x+1)/(x-1)/(x^2+2*x-1)$  ogf]  
A265278 5.55962 [  $\{-a(n+5)+3*a(n+4)-a(n+3)-a(n+2), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6, a(4) = 16\}$ , ogf]  
A265278 8.70202 [  $-(4*x^3+2*x^2-2)/(x^6+2*x^5-3*x^4-2*x^3+5*x^2-4*x+1)$  lgdogf]  
A265282 6.85633 [  $x*(x^7-x^5-x^4+x^3+2*x+1)/(x^2+1)/(x+1)^3/(x-1)^4$  ogf]  
A265283 13.3245 [  $-(x^4-2*x-1)/(x+1)/(x-1)^2$  ogf]  
A265284 13.3435 [  $(x^4-2*x-1)/(x+1)/(x-1)^3$  ogf]  
A265284 8.47870 [  $-(-2*x^4-4*x^3+6*x^2+8*x+4)/(-x^6+x^4+2*x^3+x^2-2*x-1)$  lgdogf]  
A265379 8.22570 [  $-(100*x^3-1100*x^2-111*x-1)/(x-1)/(100*x-1)/(100*x+1)/(x+1)$  ogf]  
A265380 11.0794 [  $(x^2+x+1)/(x-1)/(10*x-1)/(x+1)/(x^2+1)$  ogf]  
A265381 12.6104 [  $(x^2+x+1)/(x-1)/(2*x-1)/(x+1)/(x^2+1)$  ogf]  
A265382 8.42662 [  $-(-2*x^4+5*x^3+11*x^2+12*x+4)/(-x^5+2*x^4+4*x^3-x^2-3*x-1)$  lgdogf]  
A265382 9.71540 [  $(x^3-2*x^2-3*x-1)/(x+1)^2/(x-1)^3$  ogf]  
A265423 13.2273 [  $(x^4+48*x^3+102*x^2+48*x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A265424 10.6551 [  $x*(x^3+24*x^2+51*x+24)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A265427 6.40372 [  $-(1000*x^5-1000*x^4-1100*x^3-100*x^2-11*x-1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)/(100*x^2+1)$  ogf]  
A265428 11.7609 [  $-(x^4-2*x^3-x-1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A265429 9.57355 [  $(x^4-2*x^3-x-1)/(x+1)/(x^2+1)/(x-1)^3$  ogf]  
A265430 12.6141 [  $x*(2*x^3+2*x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A265431 10.0000 [  $-x*(2*x^3+2*x+1)/(x+1)/(x^2+1)/(x-1)^3$  ogf]  
A265541 5.32386 [  $x*(8*x^{19}-x^{17}-x^{16}-x^{15}-x^{14}-x^{13}-x^{12}-x^{11}-$

$x^{10}+2x^9+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
 A265542 5.32386 [  $x^*(8x^{19}-x^{17}-x^{16}-x^{15}-x^{14}-x^{13}-x^{12}-x^{11}-x^{10}+3x^9+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]
   
 A265610 4.05114 [  $\{(4n^3+6n^2+2n)*a(n)+(-65n^3-354n^2-595n-306)*a(n+1)+(16n^3+96n^2+128n)*a(n+2), a(0) = -1, a(1) = 0, a(2) = 2\}$ , ogf]
   
 A265611 10.7168 [  $(x^4-2x^3+2x^2-x-1)/(x+1)/(x-1)^3$  ogf]
   
 A265611 8.59580 [  $-(4x^3-5x^2-2x-3)/(x^6-2x^5+x^4+x^3-3x^2+x+1)$  lgdogf]
   
 A265612 4.10344 [  $\{(28n^2+126n+140)*a(n+1)+(25n^2+205n+460)*a(n+2)+(-8n^2-64n-96)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 7\}$ , ogf]
   
 A265613 4.19658 [  $\{(16n^2+88n+120)*a(n+1)+(16n^2+146n+370)*a(n+2)+(-5n^2-45n-70)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 8\}$ , ogf]
   
 A265645 8.53008 [  $x^2*(x^4+3x^3+11x^2+5x+4)/(x+1)^3/(x-1)^4$  ogf]
   
 A265645 8.60299 [  $-(3x^5+13x^4+62x^3+50x^2+55x+9)/(x^6+3x^5+10x^4+2x^3-7x^2-5x-4)$  lgdogf]
   
 A265667 10.7406 [  $x^*(2x^4+x^3+4x^2+2x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]
   
 A265672 5.55825 [  $x*(x^2+1)*(x^{10}+3x^9+x^8+2x^7+3x^6+5x^5+3x^4+2x^3+2x^2+2x+1)/(x-1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)^2$  ogf]
   
 A265676 8.41394 [  $x^*(5x^4-11x^3-6x^2-5x-1)/(x^2+x+1)/(x-1)^3$  ogf]
   
 A265688 11.3458 [  $(11x+1)/(x-1)/(100x-1)/(x+1)$  ogf]
   
 A265688 5.39390 [  $\{a(n+3)-100a(n+2)-a(n+1)+100a(n), a(0) = 1, a(1) = 111, a(2) = 11101\}$ , ogf]
   
 A265688 6.92691 [  $-(2200x^3+289x^2-2x-111)/(1100x^4+89x^3-1101x^2-89x+1)$  lgdogf]
   
 A265720 5.47910 [  $(1210000x^5-10000x^4-1100011x^3+10001x^2-1)/(x-1)/(10x+1)/(100x-1)/(100x+1)/(10x-1)/(x+1)$  ogf]
   
 A265721 8.36394 [  $(144x^5-16x^4-99x^3+17x^2-1)/(x-1)/(4x-1)/(2x+1)/(2x-1)/(4x+1)/(x+1)$  ogf]
   
 A265722 13.3208 [  $(4x^3-x^2+1)/(x-1)^2/(x+1)^2$  ogf]
   
 A265722 9.12997 [  $-(4x^4-2x^3+12x^2+2x)/(4x^5-x^4-4x^3+2x^2-1)$  lgdogf]
   
 A265723 10.0317 [  $-(-6x^3+12x^2+6x+4)/(-3x^4+4x^3+6x^2-4x-3)$  lgdogf]
   
 A265723 13.3208 [  $-x*(3x^2-4x-3)/(x-1)^2/(x+1)^2$  ogf]
   
 A265724 10.0710 [  $-(-9x^3+13x^2+13x+7)/(-3x^4+4x^3+6x^2-4x-3)$  lgdogf]
   
 A265724 10.1953 [  $x*(3x^2-4x-3)/(x+1)^2/(x-1)^3$  ogf]
   
 A265725 15.0264 [  $2x^4/(2x-1)/(x^3+x^2+x-1)$  ogf]
   
 A265725 9.95498 [  $-(8x^3+3x^2+2x-3)/(2x^4+x^3+x^2-3x+1)$  lgdogf]
   
 A265734 7.51840 [  $x^*(2x^8+x^7+4x^6+3x^5+6x^4+4x^3+3x^2+2x+1)/(x-1)^2/(x^4+x^3+x^2+x+1)^2$  ogf]
   
 A265755 13.5097 [  $-x^3*(x^2-x-1)/(x^6-2x^4-x^2+1)$  ogf]
   
 A265762 10.7520 [  $(x^2+x-3)/(x+1)/(x^2-3x+1)$  ogf]
   
 A265762 5.80418 [  $\{-a(n+3)+2a(n+2)+2a(n+1)-a(n), a(0) = -3, a(1) = -5, a(2) = -15\}$ , ogf]
   
 A265762 6.76157 [  $-(-x^4-2x^3+9x^2-10x-5)/(-x^5+x^4+7x^3-5x^2-7x+3)$  lgdogf]
   
 A265802 12.8068 [  $-(5x^2-9x-1)/(x+1)/(x^2-3x+1)$  ogf]
   
 A265802 6.85275 [  $\{-a(n+3)+2a(n+2)+2a(n+1)-a(n), a(0) = 1, a(1) = 11, a(2) = 19\}$ , ogf]
   
 A265802 7.73479 [  $-(-5x^4+18x^3-25x^2+6x-11)/(-5x^5+19x^4-7x^3-25x^2+7x+1)$  lgdogf]
   
 A265803 10.7202 [  $(5x^2-15x-7)/(x+1)/(x^2-3x+1)$  ogf]
   
 A265803 5.83028 [  $\{-a(n+3)+2a(n+2)+2a(n+1)-a(n), a(0) = -7, a(1) = -29, a(2) = -67\}$ , ogf]
   
 A265804 11.7420 [  $-(11x^2-17x-1)/(x+1)/(x^2-3x+1)$  ogf]
   
 A265804 6.48902 [  $\{a(n+3)-2a(n+2)-2a(n+1)+a(n), a(0) = 1, a(1) = 19, a(2) = 29\}$ , ogf]
   
 A265804 6.97875 [  $-(-11x^4+34x^3-53x^2+18x-19)/(-11x^5+39x^4-11x^3-47x^2+15x+1)$  lgdogf]
   
 A265805 10.9304 [  $(7x^2-29x-9)/(x+1)/(x^2-3x+1)$  ogf]
   
 A265805 5.89291 [  $\{-a(n+3)+2a(n+2)+2a(n+1)-a(n), a(0) = -9, a(1) = -47, a(2) = -105\}$ , ogf]

A265888 11.3487 [  $x^*(3x^3+2x^2+2x+1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A265929 3.80059 [  $-(x+1)*(160x^7+52x^6-21x^5+11x^4-42x^3-22x^2-5x-5)/(96x^8+20x^7-28x^6+13x^5-27x^4-10x^3+2x^2-3x+1)$  ogf]  
A265939 11.9440 [  $-1/2*(4x+17+3*(1-4x)^{1/2})/(x+2)/(-1+4x)$  lgdogf]  
A265939 5.97199 [  $\{( -16n-24)*a(n+1)+(8n+18)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 21\}$ , ogf]  
A265945 21.0659 [  $2*\ln(x+1)+2$  lgdegf]  
A265948 15.8855 [  $-(-22x-28)/(-22x^2+19x+3)$  lgdogf]  
A265948 17.5754 [  $4*(22x+3)/(x-1)^2$  ogf]  
A265948 9.71818 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 12, a(1) = 112\}$ , ogf]  
A265987 11.4819 [  $-2*(x+1)*(2x-1)/(x-1)/(4x^2+x-1)$  ogf]  
A265987 6.25355 [  $\{a(n+3)-2*a(n+2)-3*a(n+1)+4*a(n), a(0) = 2, a(1) = 2, a(2) = 6\}$ , ogf]  
A265987 7.14692 [  $-(-8x^4-8x^3+11x^2-2x-1)/(-8x^5+2x^4+11x^3-3x^2-3x+1)$  lgdogf]  
A265988 6.38964 [  $-(3x^6-5x^5-x^4-5x^3-2x^2+x+1)/(x-1)/(x^6-2x^5-3x^4-3x^3-2x^2+1)$  ogf]  
A265989 7.98071 [  $(8x^6-x^5+10x^4-21x^3-5x^2+4x+2)/(2x-1)/(2x+1)/(x-1)$  ogf]  
A265992 4.17844 [  $(4x^{13}-14x^{10}-17x^9-20x^8-12x^7-5x^6-3x^5-x^3+2x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(2x^3+x-1)/(2x^4+x^2+1)$  ogf]  
A266007 14.6410 [  $-2*(2x^2+1)/(2x-1)/(2x^2+x+1)$  ogf]  
A266007 7.63200 [  $\{a(n+3)-a(n+2)-4*a(n), a(0) = 2, a(1) = 2, a(2) = 6\}$ , ogf]  
A266007 8.85689 [  $-(-8x^4-10x^2-4x-1)/(-8x^5-6x^3+2x^2-x+1)$  lgdogf]  
A266008 10.1293 [  $-(2x+1)*(x^2-3x-1)/(x^4-3x^3-3x^2+x+1)$  ogf]  
A266009 4.40102 [  $(x^{11}-x^{10}+2x^9-5x^8+4x^7-3x^6-6x^5-4x^4-2x^3+x^2+2x+1)/(x-1)/(x^2+1)/(x^3+4x^2+x-1)$  ogf]  
A266027 9.00433 [  $(x^2+2x+3)/(x^4-7x^3-7x^2-3x+1)$  ogf]  
A266028 6.85125 [  $-(4x+1)*(19x^2-5x-5)/(72x^4-6x^3-46x^2-5x+1)$  ogf]  
A266046 10.5537 [  $-(-12x^2+12x-2)/(-12x^3+14x^2-6x+1)$  lgdogf]  
A266046 15.9478 [  $-(2x-1)/(6x^2-4x+1)$  ogf]  
A266046 8.75187 [  $\{-a(n+2)+4*a(n+1)-6*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A266049 7.90825 [  $(x^3-7x^2-2x+3)/(x^4-7x^3-7x^2-3x+1)$  ogf]  
A266050 9.35847 [  $-2*(3x^3+4x^2-4x-1)/(2x^4+2x^3-2x^2-2x+1)$  ogf]  
A266068 5.56925 [  $(12000x^5-10000x^4-109901x^3+10001x^2-100x-1)/(x-1)/(100x-1)/(100x+1)/(x+1)/(10x^2-1)$  ogf]  
A266069 8.08419 [  $(64x^5-16x^4-45x^3+17x^2-4x-1)/(x-1)/(4x-1)/(4x+1)/(x+1)/(2x^2-1)$  ogf]  
A266070 11.0938 [  $-(x^3-x^2+1)/(x-1)/(x+1)$  ogf]  
A266070 6.25504 [  $\{-a(n+4)+a(n+2), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1\}$ , ogf]  
A266071 10.4180 [  $(x^3-x^2+1)/(x-1)/(10x-1)/(x+1)$  ogf]  
A266071 4.98575 [  $\{-a(n+4)+10*a(n+3)+a(n+2)-10*a(n+1), a(0) = 1, a(1) = 10, a(2) = 100, a(3) = 1001\}$ , ogf]  
A266071 6.52341 [  $-(-9x^4+20x^3+17x^2-10)/(10x^6-11x^5-9x^4+21x^3-2x^2-10x+1)$  lgdogf]  
A266072 12.5668 [  $(3x^3-x^2+x+1)/(x-1)^2/(x+1)^2$  ogf]  
A266073 10.1571 [  $-(2x^3-6x^2-2x-2)/(x^4-2x^3-2x^2+2x+1)$  lgdogf]  
A266073 13.3208 [  $-2*x*(x^2-2x-1)/(x-1)^2/(x+1)^2$  ogf]  
A266074 10.0483 [  $2*x*(x^2-2x-1)/(x+1)^2/(x-1)^3$  ogf]  
A266074 10.1739 [  $-(3x^3-7x^2-5x-3)/(x^4-2x^3-2x^2+2x+1)$  lgdogf]  
A266076 7.10157 [  $-(7x^8+x^7+10x^6-3x^5+5x^4-2x-2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^3+x-1)$  ogf]  
A266084 9.46368 [  $(4x^5-x^4-x^3-x^2-x+5)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A266085 11.0798 [  $-((12x^2-12x+6)/(4x^3-x^2-4x+1))$  lgdogf]  
A266085 12.8293 [  $-x*(4x-1)/(x-1)/(x+1)^3$  ogf]  
A266086 11.0739 [  $-((18x^2-16x+8)/(6x^3-x^2-6x+1))$  lgdogf]  
A266086 12.8224 [  $-x*(6x-1)/(x-1)/(x+1)^3$  ogf]  
A266087 10.8442 [  $-((24x^2-20x+10)/(8x^3-x^2-8x+1))$  lgdogf]  
A266087 12.7467 [  $-x*(8x-1)/(x-1)/(x+1)^3$  ogf]  
A266088 10.9007 [  $-((27x^2-22x+11)/(9x^3-x^2-9x+1))$  lgdogf]  
A266088 12.8131 [  $-x*(9x-1)/(x-1)/(x+1)^3$  ogf]

A266090 7.65700 [  $(2*x-1)*(80*x^4+32*x^3-11*x^2+3*x+1)/(x-1)/(4*x-1)/(4*x+1)/(x+1)/(8*x^2-1)$  ogf]  
A266096 6.69557 [  $-(3*x^4+10*x^3-3*x^2-9*x-4)/(2*x^5+12*x^4-5*x^3-12*x^2-x+1)$  ogf]  
A266175 5.30665 [  $(1110000*x^5-10000*x^4-1000001*x^3+10001*x^2-10*x-1)/(x-1)/(10*x+1)/(100*x-1)/(100*x+1)/(10*x-1)/(x+1)$  ogf]  
A266176 8.08846 [  $(112*x^5-16*x^4-65*x^3+17*x^2-2*x-1)/(x-1)/(4*x-1)/(2*x+1)/(2*x-1)/(4*x+1)/(x+1)$  ogf]  
A266179 14.0012 [  $-(110*x+1)/(100*x-1)/(100*x+1)$  ogf]  
A266179 7.47791 [  $-(-1100000*x^2-20000*x-110)/(-1100000*x^3-10000*x^2+110*x+1)$  lgdogf]  
A266179 9.40080 [  $\{a(n+2)-10000*a(n), a(0) = 1, a(1) = 110\}$ , ogf]  
A266180 10.6507 [  $-(-96*x^2-32*x-6)/(-96*x^3-16*x^2+6*x+1)$  lgdogf]  
A266180 11.1423 [  $\{a(n+2)-16*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A266180 17.2440 [  $-(6*x+1)/(4*x-1)/(4*x+1)$  ogf]  
A266193 9.25500 [  $x^2*(x^{22}+x^{18}-x^{16}+x^{12}+x^{10}+x^6+x^4+1)/(x+1)/(x^2+1)/(x^4+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x^8-x^4+1)/(x-1)^2$  ogf]  
A266217 6.55141 [  $-(10000*x^5-10000*x^4-11001*x^3+10001*x^2-110*x-1)/(x-1)/(100*x-1)/(100*x+1)/(x+1)$  ogf]  
A266218 8.15853 [  $-(16*x^5-16*x^4-25*x^3+17*x^2-6*x-1)/(x-1)/(4*x-1)/(4*x+1)/(x+1)$  ogf]  
A266219 11.0794 [  $-(x^2-x-1)/(x-1)/(10*x-1)/(x+1)$  ogf]  
A266219 5.96585 [  $\{a(n+3)-10*a(n+2)-a(n+1)+10*a(n), a(0) = 1, a(1) = 11, a(2) = 110\}$ , ogf]  
A266219 6.98005 [  $-(-10*x^4+20*x^3+19*x^2-11)/(-10*x^5+11*x^4+19*x^3-12*x^2-9*x+1)$  lgdogf]  
A266220 8.05173 [  $-(x^5-x^4-3*x^3+2*x^2-2*x-1)/(x-1)^2/(x+1)^2$  ogf]  
A266221 8.13713 [  $(x^5-x^4-3*x^3+2*x^2-2*x-1)/(x+1)^2/(x-1)^3$  ogf]  
A266222 8.60888 [  $x*(x^4-x^3-2*x^2+5*x+1)/(x-1)^2/(x+1)^2$  ogf]  
A266223 8.39081 [  $-x*(x^4-x^3-2*x^2+5*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A266238 11.1359 [  $-(8*x^3-6*x^2+x+1)/(4*x-1)/(4*x+1)/(x^2+1)$  ogf]  
A266242 5.60838 [  $x*(7*x^{11}+7*x^{10}+7*x^9+7*x^8+7*x^7+7*x^6+7*x^5+7*x^4+7*x^3+7*x^2+7*x+36)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A266244 4.88652 [  $(10000000000*x^7-110000000*x^6+109000000*x^5-989000*x^4+1100000*x^3-9900*x^2+1)/(x-1)/(100*x-1)/(100*x+1)/(x+1)$  ogf]  
A266245 7.55861 [  $(1024*x^7-384*x^6+320*x^5-40*x^4+96*x^3-12*x^2+1)/(x-1)/(4*x-1)/(4*x+1)/(x+1)$  ogf]  
A266246 11.1779 [  $(x^6-x^5-1)/(x-1)/(x+1)$  ogf]  
A266247 10.4180 [  $-(x^6-x^5-1)/(x-1)/(10*x-1)/(x+1)$  ogf]  
A266247 3.65448 [  $\{a(n+4)-10*a(n+3)-a(n+2)+10*a(n+1), a(0) = 1, a(1) = 10, a(2) = 101, a(3) = 1010, a(4) = 10101, a(5) = 101011, a(6) = 1010110\}$ , ogf]  
A266248 12.3694 [  $-(x^6-x^5-1)/(x+1)/(2*x-1)/(x-1)$  ogf]  
A266248 4.67448 [  $\{a(n+4)-2*a(n+3)-a(n+2)+2*a(n+1), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 10, a(4) = 21, a(5) = 43, a(6) = 86\}$ , ogf]  
A266249 9.45899 [  $(x^7-2*x^6+x^5+x^4+2*x^3+1)/(x-1)^2/(x+1)^2$  ogf]  
A266250 7.90198 [  $-(x^7-2*x^6+x^5+x^4+2*x^3+1)/(x+1)^2/(x-1)^3$  ogf]  
A266251 8.64531 [  $-x*(x^6-2*x^5+x^4+x^3+x^2-3*x-3)/(x-1)^2/(x+1)^2$  ogf]  
A266252 7.30814 [  $x*(x^6-2*x^5+x^4+x^3+x^2-3*x-3)/(x+1)^2/(x-1)^3$  ogf]  
A266254 6.50230 [  $-(100000*x^4-111000*x^3+9990*x^2-100*x-1)/(x-1)/(100*x-1)/(100*x+1)/(x+1)$  ogf]  
A266255 9.81713 [  $-(32*x^4-56*x^3+14*x^2-4*x-1)/(x-1)/(4*x-1)/(4*x+1)/(x+1)$  ogf]  
A266256 12.5668 [  $-(x^4-3*x^3-x-1)/(x-1)^2/(x+1)^2$  ogf]  
A266257 9.62212 [  $(x^4-3*x^3-x-1)/(x+1)^2/(x-1)^3$  ogf]  
A266258 11.7144 [  $x*(x^3-2*x^2+3*x+2)/(x-1)^2/(x+1)^2$  ogf]  
A266259 8.39081 [  $-(2*x^4-5*x^3+13*x^2+9*x+5)/(x^5-2*x^4+2*x^3+4*x^2-3*x-2)$  lgdogf]  
A266259 9.14504 [  $-x*(x^3-2*x^2+3*x+2)/(x+1)^2/(x-1)^3$  ogf]  
A266278 5.71719 [  $-(x^4+5*x^3+3*x-5)*(x+1)^2/(x^2+1)/(x^5-2*x^4-21*x^3+15*x^2-10*x+1)$  ogf]

A266279 10.2102 [ $\{a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A266279 25.0613 [ $x/(x-1)^2$  ogf]  
A266279 29.5366 [ $2/(-x+1)$  lgdogf]  
A266279 63.3938 [[2] ogf\_with\_Euler\_transform]  
A266283 5.86525 [ $(1100000x^5-1000000x^3+10000x^2-10x-1)/(x-1)/(10x+1)/(100x-1)/(100x+1)/(10x-1)/(x+1)$  ogf]  
A266284 9.01817 [ $(96x^5-64x^3+16x^2-2x-1)/(x-1)/(4x-1)/(2x+1)/(2x-1)/(4x+1)/(x+1)$  ogf]  
A266285 10.0912 [ $-(-2x^4-9x^2-4x-1)/(-2x^5+x^3-x^2+x+1)$  lgdogf]  
A266285 14.1632 [ $(2x^3+x+1)/(x-1)^2/(x+1)^2$  ogf]  
A266286 10.2323 [ $-(-2x^3+9x^2+6x+3)/(-x^4+3x^3+3x^2-3x-2)$  lgdogf]  
A266286 13.4194 [ $-x(x^2-3x-2)/(x-1)^2/(x+1)^2$  ogf]  
A266287 10.0483 [ $x(x^2-3x-2)/(x+1)^2/(x-1)^3$  ogf]  
A266287 9.92572 [ $-(-3x^3+11x^2+11x+5)/(-x^4+3x^3+3x^2-3x-2)$  lgdogf]  
A266297 11.1052 [ $x(x^3+5x^2+3x+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A266299 15.6680 [ $-110/(1000x^2+90x-1)$  lgdogf]  
A266299 16.4514 [ $-(10x+1)/(100x-1)$  ogf]  
A266299 8.65863 [ $\{a(n+2)-100a(n+1), a(0) = 1, a(1) = 110\}$ , ogf]  
A266301 8.77063 [ $(11000x^3-10000x^2+110x+1)/(x-1)/(100x-1)/(100x+1)/(x+1)$  ogf]  
A266302 11.0976 [ $(24x^3-16x^2+6x+1)/(x-1)/(4x-1)/(4x+1)/(x+1)$  ogf]  
A266303 12.3290 [ $(2x^3-x^2+2x+1)/(x-1)^2/(x+1)^2$  ogf]  
A266303 9.00431 [ $-(-2x^4+2x^3-12x^2-2x-2)/(-2x^5+x^4-2x^2+2x+1)$  lgdogf]  
A266304 10.0483 [ $x(x^2-4x-1)/(x+1)^2/(x-1)^3$  ogf]  
A266304 10.0483 [ $-(3x^3-15x^2-7x-5)/(x^4-4x^3-2x^2+4x+1)$  lgdogf]  
A266313 10.0070 [ $-x(x+1)(x^2+1)/(x-1)/(x^4+1)$  ogf]  
A266313 25.1240 [ $x^7-2x^3+2$  ogf\_with\_Euler\_transform]  
A266323 6.43120 [ $-(100000x^5-10000x^4-101010x^3+10001x^2-101x-1)/(x-1)/(100x-1)/(100x+1)/(x+1)$  ogf]  
A266324 8.15853 [ $-(32x^5-16x^4-42x^3+17x^2-5x-1)/(x-1)/(4x-1)/(4x+1)/(x+1)$  ogf]  
A266327 11.8995 [ $-(-11x^2-2x-11)/(-11x^3-x^2+11x+1)$  lgdogf]  
A266327 12.4487 [ $\{a(n+2)-a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
A266327 19.2658 [ $-(11x+1)/(x-1)/(x+1)$  ogf]  
A266333 6.03248 [ $(x^2+1)(x^2+x+1)(x^2-x+1)(x+1)^3/(x-1)/(x^3+x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A266334 4.19722 [ $(x^2+x+1)(x^2-x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x+1)^3/(x-1)/(x^{13}+x^{12}+2x^{11}+2x^{10}+2x^9+2x^8+2x^7+2x^6+2x^5+x^4+x^3-1)$  ogf]  
A266335 6.88235 [ $(x^2+x+1)(x^2-x+1)(x+1)^3/(x-1)/(x^2+x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A266336 8.05257 [ $(x+1)^2(x^2+x+1)(x^2-x+1)/(x-1)/(x^5+x^4+x-1)$  ogf]  
A266337 9.58705 [ $(x+1)(x^2+x+1)(x^2+1)/(x-1)/(x^4+x^3+x^2+x-1)$  ogf]  
A266338 6.87330 [ $(x^2+1)(x^2+x+1)(x^2-x+1)(x+1)^3/(x-1)/(x^7+x^6+x^5+x^4+x^3-1)$  ogf]  
A266339 8.00838 [ $(x^2+1)(x+1)^3/(x-1)/(x^2+x+1)/(x^2+x-1)$  ogf]  
A266340 6.57676 [ $(x^2+1)(x^2-x+1)(x+1)^3/(x-1)/(x^5+x^3+x-1)$  ogf]  
A266353 9.08338 [ $(x+1)(x^2+x+1)(x^2+1)/(x^3+x-1)/(x-1)$  ogf]  
A266354 4.66640 [ $(x^2+x+1)(x^2-x+1)(x^4-x^3+x^2-x+1)(x+1)^3/(x-1)/(x^9+x^7+x^6+x^4+x^2+x-1)$  ogf]  
A266355 6.14318 [ $(x^2+1)(x^2+x+1)(x^2-x+1)(x+1)^3/(x-1)/(x^7+x^6+2x^5+2x^4+x^3+x^2-1)$  ogf]  
A266357 6.05786 [ $-(x^9-5x^8+9x^7-6x^6+6x^2-7x+4)/(x+1)/(x^2+x+1)/(x-1)^7$  ogf]  
A266365 4.01977 [ $\{(2n^2-47n+276)a(n+1)+(-n-2)a(n+2), a(0) = 1, a(1) = 325\}$ , ogf]  
A266367 10.9436 [ $(x^2+1)(x+1)^2/(x-1)/(3x^3+x^2+x-1)$  ogf]  
A266367 7.20221 [ $-(-8x^5-4x^4-16x^3+8x^2+4)/(-3x^7-x^6-x^5+x^4+3x^3+x^2+x-1)$  lgdogf]  
A266370 8.02594 [ $(x^2+1)(x+1)^3/(x-1)/(2x^4+3x^3+x^2-1)$  ogf]  
A266371 6.04142 [ $(x^2+1)(x^2+x+1)(x^2-x+1)(x+1)^2/(x-1)/$

$(x^7+x^6+2x^5+x^4+x^3+x-1)$  ogf]  
A266372 4.93690 [  $(x^2+1)*(x^2+x+1)*(x^2-x+1)*(x+1)^3/(x-1)/(x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x-1)$  ogf]  
A266373 6.20084 [  $(x^2+x+1)*(x^2-x+1)*(x^4-x^3+x^2-x+1)*(x+1)^3/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A266374 8.60969 [  $(x+1)^2*(x^2+x+1)*(x^2-x+1)/(x-1)/(3x^5+x^4+x^3+x^2+x-1)$  ogf]  
A266375 7.14978 [  $(x^2+1)*(x^2-x+1)*(x+1)^3/(x-1)/(x^5+x^4+x^2+x-1)$  ogf]  
A266376 8.53449 [  $(x^2+1)*(x^2-x+1)*(x+1)^3/(x-1)/(x^6+x^5+x^4+x^3+x^2+x-1)$  ogf]  
A266379 6.34550 [  $-(1000000x^5-10000x^4-1001100x^3+10001x^2-11x-1)/(x-1)/(100x-1)/(100x+1)/(x+1)$  ogf]  
A266380 8.15853 [  $-(64x^5-16x^4-76x^3+17x^2-3x-1)/(x-1)/(4x-1)/(4x+1)/(x+1)$  ogf]  
A266387 10.8117 [  $7x^5/(x-1)^6$  ogf]  
A266387 27.8016 [  $6/(-x+1)$  lgdogf]  
A266387 5.29554 [  $\{(-3+n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 7\}$ , ogf]  
A266387 59.4413 [ [6] ogf\_with\_Euler\_transform]  
A266393 5.60976 [  $12*(2x^3+3x^2+4x+1)/(x-1)^6$  egf]  
A266393 6.75875 [  $-(-6x^3-18x^2-26x-10)/(-2x^4-x^3-x^2+3x+1)$  lgdegf]  
A266395 12.5935 [  $-15x^4/(x-1)^5$  ogf]  
A266395 28.7851 [  $5/(-x+1)$  lgdogf]  
A266395 5.88309 [  $\{(-2+n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 15\}$ , ogf]  
A266395 61.5592 [ [5] ogf\_with\_Euler\_transform]  
A266396 10.0731 [  $x^3*(9x-10)/(x-1)^5$  ogf]  
A266396 15.4970 [  $-(-36x+41)/(-9x^2+19x-10)$  lgdogf]  
A266396 5.16567 [  $\{-10n*a(n+3)+(22+19n)*a(n+2)+(-18-9n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 10\}$ , ogf]  
A266397 11.7742 [  $-x^2*(5x-9)/(x-1)^4$  ogf]  
A266397 15.9298 [  $-(-15x+31)/(-5x^2+14x-9)$  lgdogf]  
A266397 5.38026 [  $\{(-9-9n)*a(n+3)+(31+14n)*a(n+2)+(-10-5n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 9\}$ , ogf]  
A266398 11.4592 [  $-x^2*(11x-12)/(x-1)^4$  ogf]  
A266398 15.3510 [  $-(-33x+37)/(-11x^2+23x-12)$  lgdogf]  
A266398 5.24904 [  $\{(-12-12n)*a(n+3)+(37+23n)*a(n+2)+(-22-11n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 12\}$ , ogf]  
A266423 3.78084 [  $-(x^{11}-5x^{10}+8x^9-x^8-9x^7+6x^6+6x^4-9x^3-x^2+6x-4)/(x^2+x+1)/(x+1)^2/(x-1)^8$  ogf]  
A266429 5.67399 [  $-(x^6-7x^5+21x^4-34x^3+32x^2-15x+4)/(x-1)^7$  ogf]  
A266435 5.00715 [  $\{-a(n+5)+10001a(n+3)-10000a(n+1), a(0) = 1, a(1) = 111, a(2) = 0, a(3) = 1111111, a(4) = 0\}$ , ogf]  
A266435 7.45746 [  $(10000x^4+1000x^3-10001x^2+111x+1)/(x-1)/(100x-1)/(100x+1)/(x+1)$  ogf]  
A266436 5.54525 [  $\{-a(n+5)+17a(n+3)-16a(n+1), a(0) = 1, a(1) = 7, a(2) = 0, a(3) = 127, a(4) = 0\}$ , ogf]  
A266436 9.21808 [  $(16x^4+8x^3-17x^2+7x+1)/(x-1)/(4x-1)/(4x+1)/(x+1)$  ogf]  
A266437 5.25960 [  $\{-a(n+5)+2a(n+3)-a(n+1), a(0) = 1, a(1) = 3, a(2) = 0, a(3) = 7, a(4) = 0\}$ , ogf]  
A266437 8.93411 [  $(x^4+x^3-2x^2+3x+1)/(x-1)^2/(x+1)^2$  ogf]  
A266438 8.83710 [  $-(x^4+x^3-2x^2+3x+1)/(x+1)^2/(x-1)^3$  ogf]  
A266439 11.5545 [  $-x^2*(x^2-5)/(x-1)^2/(x+1)^2$  ogf]  
A266439 11.5545 [  $-(2x^3-18x)/(x^4-6x^2+5)$  lgdogf]  
A266439 6.21327 [  $\{(2n+5)*a(n)+(-2n-1)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 5\}$ , ogf]  
A266440 10.5187 [  $x^2*(x^2-5)/(x+1)^2/(x-1)^3$  ogf]  
A266440 11.7382 [  $-(3x^3+x^2-23x-5)/(x^4-6x^2+5)$  lgdogf]  
A266443 5.29147 [  $(4096x^9-1536x^8-3584x^7+1504x^6-448x^5+24x^4-48x^3+9x^2-x-1)/(x-1)/(4x-1)/(4x+1)/(x+1)/(2x^2-1)$  ogf]  
A266444 6.63091 [  $-(x^{13}-x^{11}-x^{10}+x^9+x^4-x^2+1)/(x-1)/(x+1)$  ogf]  
A266446 7.89905 [  $(x^{13}-x^{11}-x^{10}+x^9+x^4-x^2+1)/(x+1)/(2x-1)/(x-1)$  ogf]

A266447 9.12997 [  $(x^7-2x^6+x^5+x^4+x^3+x+1)/(x-1)^2/(x+1)^2$  ogf]  
A266448 7.46706 [  $-(x^7-2x^6+x^5+x^4+x^3+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A266449 9.45899 [  $-x*(x^2-x-1)*(x^4-x^3+x^2+x+2)/(x-1)^2/(x+1)^2$  ogf]  
A266450 7.75151 [  $x*(x^2-x-1)*(x^4-x^3+x^2+x+2)/(x+1)^2/(x-1)^3$  ogf]  
A266460 5.61490 [  $(110000x^5-10000x^4-99900x^3+10001x^2-101x-1)/(x-1)/(100x-1)/(100x+1)/(x+1)/(10x^2-1)$  ogf]  
A266461 8.08419 [  $(48x^5-16x^4-28x^3+17x^2-5x-1)/(x-1)/(4x-1)/(4x+1)/(x+1)/(2x^2-1)$  ogf]  
A266464 8.04559 [  $-(-x^5+3x^4+2x^3-2x^2+2x+4)/(-x^6+3x^5-5x^3+3x^2+2x-2)$  lgdogf]  
A266464 8.99722 [  $-(x^4-3x^3+x^2+2x-2)/(x+1)/(x-1)^4$  ogf]  
A266465 3.81192 [  $-(x^{11}-5x^{10}+7x^9-7x^7+3x^6+x^5+5x^4-7x^3-3x^2+5x-2)/(x^2+x+1)/(x+1)^2/(x-1)^8$  ogf]  
A266471 6.56814 [  $-(x^5-11x^4+28x^3-32x^2+18x-5)/(x-1)^6$  ogf]  
A266472 3.45065 [  $-(4x^9-30x^8+109x^7-248x^6+382x^5-410x^4+303x^3-147x^2+41x-6)/(x-1)^{10}$  ogf]  
A266491 8.47789 [  $x*(2x^4+x^2+2x+1)/(x^2+1)^2/(x-1)^2$  ogf]  
A266491 9.67476 [  $-(4x^6+16x^3+4)/(2x^7-2x^6+3x^5-x^4-x-1)$  lgdogf]  
A266504 13.0531 [  $(x-1)*(x^2+4x+2)/(x^4+2x^2-1)$  ogf]  
A266505 14.0032 [  $-(3x-1)*(x+1)^2/(x^4+2x^2-1)$  ogf]  
A266505 8.05496 [  $-(-3x^5-7x^4+10x^3-6x^2-5x-1)/(-3x^6-2x^5-5x^4-4x^3+5x^2+2x-1)$  lgdogf]  
A266506 8.92380 [  $-(3x^7-x^6+5x^5-3x^4+x^3+2x^2-x+2)/(x^8+2x^4-1)$  ogf]  
A266507 11.2878 [  $-(-2x^2+2x-4)/(-2x^3+13x^2-8x+1)$  lgdogf]  
A266507 16.3046 [  $-2*(2x-1)/(x^2-6x+1)$  ogf]  
A266507 8.94762 [  $\{a(n+2)-6a(n+1)+a(n), a(0) = 2, a(1) = 8\}$ , ogf]  
A266508 10.9063 [  $-(10x^2-x-1)/(x-1)/(10x-1)/(x+1)$  ogf]  
A266508 5.96585 [  $\{a(n+3)-10a(n+2)-a(n+1)+10a(n), a(0) = 1, a(1) = 11, a(2) = 101\}$ , ogf]  
A266508 6.46301 [  $-(-100x^4+20x^3-71x^2+18x-11)/(-100x^5+20x^4+109x^3-21x^2-9x+1)$  lgdogf]  
A266515 5.34910 [  $(1100000x^5-10000x^4-990000x^3+10001x^2-11x-1)/(x-1)/(10x+1)/(100x-1)/(100x+1)/(10x-1)/(x+1)$  ogf]  
A266516 8.17272 [  $(96x^5-16x^4-48x^3+17x^2-3x-1)/(x-1)/(4x-1)/(2x+1)/(2x-1)/(4x+1)/(x+1)$  ogf]  
A266527 3.91417 [  $(10x^8-130x^7-1009x^6+2168x^5+2134x^4-272x^3-158x^2-8x+1)/(x+1)/(x^2+7x+1)/(x^2-3x+1)/(x^2-18x+1)$  ogf]  
A266542 9.50943 [  $-(2x^4-3x^3+x^2-x+2)/(x^2+x+1)/(x-1)^3$  ogf]  
A266550 13.4637 [  $(x^3+x^2-2x+1)/(2x-1)/(x-1)$  ogf]  
A266550 7.20426 [  $\{-a(n+4)+3a(n+3)-2a(n+2), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5\}$ , ogf]  
A266550 8.55506 [  $-(-2x^4+6x^3-4x^2+2x-1)/(2x^5-x^4-6x^3+9x^2-5x+1)$  lgdogf]  
A266561 16.2264 [  $-(12x+14)/(x^2-1)$  lgdogf]  
A266561 33.5576 [  $[14-x]$  ogf\_with\_Euler\_transform]  
A266561 4.63611 [  $-(x+1)/(x-1)^{13}$  ogf]  
A266561 5.36988 [  $\{(-n-3)*a(n+3)+14*a(n+2)+(13+n)*a(n+1), a(0) = 1, a(1) = 14, a(2) = 104\}$ , ogf]  
A266575 13.6536 [  $-(5x^2+3x+2)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A266589 4.26730 [  $(1010100000x^7-10100000x^6-1009091010x^5+10091010x^4-898991x^3+8991x^2-10x-1)/(x-1)/(10x+1)/(100x-1)/(100x+1)/(10x-1)/(x+1)$  ogf]  
A266590 6.49352 [  $(672x^7-160x^6-602x^5+154x^4-23x^3+7x^2-2x-1)/(x-1)/(4x-1)/(2x+1)/(2x-1)/(4x+1)/(x+1)$  ogf]  
A266591 12.0904 [  $(x^3-x-1)/(x-1)/(x+1)$  ogf]  
A266591 6.23609 [  $\{a(n+4)-a(n+2), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 0\}$ , ogf]  
A266592 11.0794 [  $-(x^3-x-1)/(x-1)/(10x-1)/(x+1)$  ogf]  
A266592 4.98575 [  $\{a(n+4)-10a(n+3)-a(n+2)+10a(n+1), a(0) = 1, a(1) = 11, a(2) = 111, a(3) = 1110\}$ , ogf]  
A266592 6.91094 [  $-(-x^4+32x^2-2x-11)/(-10x^6+x^5+20x^4+8x^3-11x^2-9x+1)$

lgdogf]

A266593 11.1311 [ (3\*x^5-2\*x^4+x^2+x+1)/(x-1)^2/(x+1)^2 ogf]

A266594 8.96448 [ -(3\*x^5-2\*x^4+x^2+x+1)/(x+1)^2/(x-1)^3 ogf]

A266595 10.4973 [ -x\*(3\*x^4-2\*x^3-x^2-2\*x-2)/(x-1)^2/(x+1)^2 ogf]

A266596 8.43175 [ x\*(3\*x^4-2\*x^3-x^2-2\*x-2)/(x+1)^2/(x-1)^3 ogf]

A266606 5.70848 [ (20000\*x^5-10000\*x^4-9891\*x^3+10001\*x^2-110\*x-1)/(x-1)/(100\*x-1)/(100\*x+1)/(x+1)/(10\*x^2-1) ogf]

A266607 8.08419 [ (32\*x^5-16\*x^4-11\*x^3+17\*x^2-6\*x-1)/(x-1)/(4\*x-1)/(4\*x+1)/(x+1)/(2\*x^2-1) ogf]

A266609 5.33045 [ (110111000\*x^5-1010000\*x^4+1100100\*x^3-9899\*x^2+1)/(x-1)/(100\*x-1)/(100\*x+1)/(x+1)/(x^2+1) ogf]

A266610 8.19612 [ (440\*x^5-80\*x^4+100\*x^3-11\*x^2+1)/(x-1)/(4\*x-1)/(4\*x+1)/(x+1)/(x^2+1) ogf]

A266611 11.0938 [ -(x^5-x^4+1)/(x-1)/(x+1) ogf]

A266612 10.4180 [ (x^5-x^4+1)/(x-1)/(10\*x-1)/(x+1) ogf]

A266612 4.03471 [ {a(n+4)-10\*a(n+3)-a(n+2)+10\*a(n+1), a(0) = 1, a(1) = 10, a(2) = 101, a(3) = 1010, a(4) = 10100, a(5) = 101001}, ogf]

A266613 12.3694 [ (x^5-x^4+1)/(x+1)/(2\*x-1)/(x-1) ogf]

A266613 5.05667 [ {-a(n+4)+2\*a(n+3)+a(n+2)-2\*a(n+1), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 10, a(4) = 20, a(5) = 41}, ogf]

A266614 9.50931 [ (5\*x^5-2\*x^4+3\*x^3+x^2+1)/(x^2+1)/(x-1)^2/(x+1)^2 ogf]

A266615 7.34255 [ -(5\*x^5-2\*x^4+3\*x^3+x^2+1)/(x^2+1)/(x+1)^2/(x-1)^3 ogf]

A266616 9.50931 [ -x\*(4\*x^4-5\*x^3-x^2-3\*x-3)/(x^2+1)/(x-1)^2/(x+1)^2 ogf]

A266617 7.30814 [ x\*(4\*x^4-5\*x^3-x^2-3\*x-3)/(x^2+1)/(x+1)^2/(x-1)^3 ogf]

A266648 13.5581 [ -(x^5+x^4+x^3+2\*x^2+x+1)/(x^6-1) ogf\_with\_Euler\_transform]

A266660 5.77982 [ (100000\*x^5-100000\*x^4+10990\*x^3-9990\*x^2+110\*x+1)/(x-1)/(100\*x-1)/(100\*x+1)/(x+1) ogf]

A266661 8.80156 [ (32\*x^5-32\*x^4+22\*x^3-14\*x^2+6\*x+1)/(x-1)/(4\*x-1)/(4\*x+1)/(x+1) ogf]

A266662 11.1896 [ (x^5-x^4+x^3+2\*x+1)/(x-1)^2/(x+1)^2 ogf]

A266663 8.83710 [ -(x^5-x^4+x^3+2\*x+1)/(x+1)^2/(x-1)^3 ogf]

A266664 11.7144 [ -x\*(x^4-x^3-3\*x-1)/(x-1)^2/(x+1)^2 ogf]

A266665 9.14504 [ x\*(x^4-x^3-3\*x-1)/(x+1)^2/(x-1)^3 ogf]

A266667 5.41509 [ (20000\*x^4+1000\*x^3-8891\*x^2+111\*x+1)/(x-1)/(10\*x+1)/(100\*x-1)/(100\*x+1)/(x+1) ogf]

A266668 8.00593 [ (32\*x^4+8\*x^3-3\*x^2+7\*x+1)/(x-1)/(4\*x-1)/(2\*x+1)/(4\*x+1)/(x+1) ogf]

A266670 5.37053 [ (2000000\*x^5-10000\*x^4-890100\*x^3+10001\*x^2-11\*x-1)/(x-1)/(100\*x-1)/(100\*x+1)/(x+1)/(1000\*x^2-1) ogf]

A266671 7.65700 [ (128\*x^5-16\*x^4-20\*x^3+17\*x^2-3\*x-1)/(x-1)/(4\*x-1)/(4\*x+1)/(x+1)/(8\*x^2-1) ogf]

A266674 3.92443 [ (2048\*x^10-1472\*x^8-128\*x^7+248\*x^6+64\*x^5-40\*x^3+17\*x^2-x-1)/(x-1)/(4\*x-1)/(2\*x-1)/(4\*x+1)/(x+1)/(4\*x^2+2\*x+1)/(8\*x^2-1)/(2\*x^2-1) ogf]

A266677 10.9157 [ -(12\*x^2-14\*x+6)/(3\*x^3-x^2-3\*x+1) lgdogf]

A266677 3.79175 [ {(n+3)\*a(n+4)-3\*n\*a(n+3)+(-15-n)\*a(n+2)+(12+3\*n)\*a(n+1), a(0) = 0, a(1) = -1, a(2) = 6, a(3) = -16}, ogf]

A266677 9.86895 [ -x\*(3\*x-1)/(x-1)/(x+1)^4 ogf]

A266678 15.8175 [ -(x^3-x^2+1)/(x-1) ogf]

A266678 8.15849 [ {a(n+4)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 1}, ogf]

A266678 9.68821 [ -(2\*x^3-4\*x^2+2\*x-1)/(-x^4+2\*x^3-x^2-x+1) lgdogf]

A266680 11.8306 [ (x^3-x^2+1)/(10\*x-1)/(x-1) ogf]

A266680 5.72135 [ {a(n+4)-11\*a(n+3)+10\*a(n+2), a(0) = 1, a(1) = 11, a(2) = 110, a(3) = 1101}, ogf]

A266680 6.64767 [ (-(-10\*x^4+22\*x^3-14\*x^2+22\*x-11)/(10\*x^5-21\*x^4+12\*x^3+9\*x^2-11\*x+1) lgdogf]

A266684 10.3416 [ -(4\*x^3-3\*x^2+4\*x+1)/(-x^4+x^3-x+1) ogf\_with\_Euler\_transform]

A266698 12.1171 [ -(-x^2+2\*x-15)/(-x^3+17\*x^2-17\*x+1) lgdogf]

A266698 17.6488 [ -3\*(x-1)/(x^2-16\*x+1) ogf]

A266698 9.66480 [ {a(n+2)-16\*a(n+1)+a(n), a(0) = 3, a(1) = 45}, ogf]

A266699 10.9810 [ (8\*x^3-17\*x^2-3\*x+4)/(x+1)/(x^2-3\*x+1) ogf]

A266699 5.77948 [ {-a(n+4)+2\*a(n+3)+2\*a(n+2)-a(n+1), a(0) = 4, a(1) = 5, a(2) =



1, a(3) = 16}], ogf]  
A266699 6.86313 [  $(-x^4+26x^3-40x^2+18x-5)/(8x^6-33x^5+15x^4+52x^3-19x^2-11x+4)$  lgdogf]  
A266700 11.3650 [  $2x^*(4x-5)/(x+1)/(x^2-3x+1)$  ogf]  
A266700 5.83335 [  $\{a(n+3)-2a(n+2)-2a(n+1)+a(n), a(0) = 0, a(1) = -10, a(2) = -12\}$ , ogf]  
A266700 7.84724 [  $(-(-8x^3+23x^2-20x-6)/(-4x^4+13x^3-2x^2-14x+5))$  lgdogf]  
A266701 10.6236 [  $(18x^3-35x^2-7x+9)/(x+1)/(x^2-3x+1)$  ogf]  
A266701 5.62892 [  $\{a(n+4)-2a(n+3)-2a(n+2)+a(n+1), a(0) = 9, a(1) = 11, a(2) = 5, a(3) = 41\}$ , ogf]  
A266702 4.74341 [  $\{a(n+4)-2a(n+3)-2a(n+2)+a(n+1), a(0) = 3, a(1) = -25, a(2) = -35, a(3) = -117\}$ , ogf]  
A266702 9.21577 [  $(6x^3+9x^2-31x+3)/(x+1)/(x^2-3x+1)$  ogf]  
A266703 9.06986 [  $(2x^5-4x^4+14x^3-39x^2-7x+9)/(x+1)/(x^2-3x+1)$  ogf]  
A266704 7.58043 [  $(34x^5-68x^4-74x^3+61x^2-13x-3)/(x+1)/(x^2-3x+1)$  ogf]  
A266705 10.9678 [  $(2x^3-13x^2+9x+1)/(x+1)/(x^2-3x+1)$  ogf]  
A266705 5.68699 [  $\{-a(n+4)+2a(n+3)+2a(n+2)-a(n+1), a(0) = 1, a(1) = 11, a(2) = 11, a(3) = 45\}$ , ogf]  
A266705 6.85486 [  $(-(-9x^4+26x^3-47x^2+22x-11)/(2x^6-17x^5+31x^4+11x^3-33x^2+7x+1))$  lgdogf]  
A266706 4.79132 [  $\{-a(n+4)+2a(n+3)+2a(n+2)-a(n+1), a(0) = 1, a(1) = -23, a(2) = -45, a(3) = -135\}$ , ogf]  
A266706 9.30886 [  $(2x^3-x^2-25x+1)/(x+1)/(x^2-3x+1)$  ogf]  
A266707 11.2880 [  $(2x^3-8x^2+3x+1)/(x+1)/(x^2-3x+1)$  ogf]  
A266707 5.85620 [  $\{a(n+4)-2a(n+3)-2a(n+2)+a(n+1), a(0) = 1, a(1) = 5, a(2) = 4, a(3) = 19\}$ , ogf]  
A266707 7.01689 [  $(-(-4x^4+14x^3-25x^2+12x-5)/(2x^6-12x^5+15x^4+13x^3-16x^2+x+1))$  lgdogf]  
A266708 11.4786 [  $2x^*(x-5)/(x+1)/(x^2-3x+1)$  ogf]  
A266708 5.89168 [  $\{-a(n+3)+2a(n+2)+2a(n+1)-a(n), a(0) = 0, a(1) = -10, a(2) = -18\}$ , ogf]  
A266708 8.02120 [  $(-(-2x^3+17x^2-20x-9)/(-x^4+7x^3-8x^2-11x+5))$  lgdogf]  
A266709 10.6151 [  $(5x^2-11x-7)/(x+1)/(x^2-3x+1)$  ogf]  
A266709 5.77312 [  $\{-a(n+3)+2a(n+2)+2a(n+1)-a(n), a(0) = -7, a(1) = -25, a(2) = -59\}$ , ogf]  
A266710 5.69863 [  $(-(18x^7-92x^6-260x^5+301x^4+46x^3+x^2+6x-1)/(x-1)/(x^2+3x+1)/(x^2-7x+1))$  ogf]  
A266711 5.25477 [  $2*(18x^7-88x^6-280x^5+237x^4+156x^3-49x^2-16x+3)/(x-1)/(x^2+3x+1)/(x^2-7x+1)$  ogf]  
A266712 5.28858 [  $(-14x^7-56x^6-280x^5+7x^4+180x^3+103x^2+18x-5)/(x-1)/(x^2+3x+1)/(x^2-7x+1)$  ogf]  
A266713 5.19294 [  $-2*(2x^7-12x^6-20x^5+57x^4-22x^3-21x^2-4x+1)/(x-1)/(x^2+3x+1)/(x^2-7x+1)$  ogf]  
A266717 5.20692 [  $(-(1000000x^6-110000x^5-990100x^4+99900x^3-9901x^2+101x+1)/(x-1)/(100x-1)/(100x+1)/(x+1)/(10x^2-1))$  ogf]  
A266718 7.58749 [  $(-(2x-1)*(32x^5-8x^4-30x^3-x^2-7x-1)/(x-1)/(4x-1)/(4x+1)/(x+1)/(2x^2-1))$  ogf]  
A266719 11.1779 [  $(x^4-x^3-1)/(x-1)/(x+1)$  ogf]  
A266720 10.4180 [  $(-x^4-x^3-1)/(x-1)/(10x-1)/(x+1)$  ogf]  
A266720 4.71625 [  $\{a(n+3)-10a(n+2)-a(n+1)+10a(n), a(0) = 1, a(1) = 10, a(2) = 101, a(3) = 1011, a(4) = 10110\}$ , ogf]  
A266721 12.3694 [  $(-x^4-x^3-1)/(x+1)/(2x-1)/(x-1)$  ogf]  
A266721 5.50692 [  $\{a(n+5)-2a(n+4)-a(n+3)+2a(n+2), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 11, a(4) = 22\}$ , ogf]  
A266722 12.3290 [  $(-(x^2+1)*(x^2-2x-1)/(x-1)^2/(x+1)^2)$  ogf]  
A266723 9.76225 [  $(x^2+1)*(x^2-2x-1)/(x+1)^2/(x-1)^3$  ogf]  
A266724 11.7144 [  $x*(x^3-x^2+3x+1)/(x-1)^2/(x+1)^2$  ogf]  
A266725 8.39081 [  $(-(-2x^4+2x^3-14x^2-6x-4)/(-x^5+x^4-2x^3-2x^2+3x+1))$  lgdogf]  
A266725 9.14504 [  $-x*(x^3-x^2+3x+1)/(x+1)^2/(x-1)^3$  ogf]  
A266732 10.9096 [  $10x/(x-1)^6$  ogf]

A266732 28.4428 [6/(-x+1) lgdogf]  
A266732 60.7619 [[6] ogf\_with\_Euler\_transform]  
A266732 7.65767 [{(n+1)\*a(n+2)+(-6-n)\*a(n+1), a(0) = 0, a(1) = 10}, ogf]  
A266733 28.2078 [8/(-x+1) lgdogf]  
A266733 60.1751 [[8] ogf\_with\_Euler\_transform]  
A266733 7.59440 [{(n+1)\*a(n+2)+(-8-n)\*a(n+1), a(0) = 0, a(1) = 21}, ogf]  
A266733 8.67932 [ 21\*x/(x-1)^8 ogf]  
A266744 12.1168 [ -1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+1)/(x-1)^5 ogf]  
A266744 25.2233 [x^6+x^4+x^3+x^2+1 ogf\_with\_Euler\_transform]  
A266745 4.33556 [ 1/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)^2/(x^4+x^3+x^2+x+1)^2/(x-1)^6 ogf]  
A266746 18.4465 [x^10+x^8+x^6+x^5+x^4+x^2+1 ogf\_with\_Euler\_transform]  
A266748 18.8532 [x^7+x^16/(x^2-1)-1/(x^2-1) ogf\_with\_Euler\_transform]  
A266749 18.5831 [-1/(x^2-1)+x^8+x^18/(x^2-1) ogf\_with\_Euler\_transform]  
A266750 18.5831 [-1/(x^2-1)+x^9+x^20/(x^2-1) ogf\_with\_Euler\_transform]  
A266751 18.3546 [-1/(x^2-1)+x^10+x^22/(x^2-1) ogf\_with\_Euler\_transform]  
A266752 11.3458 [ (10\*x^2-x+1)/(100\*x-1)/(x-1) ogf]  
A266752 5.87550 [{-a(n+3)+101\*a(n+2)-100\*a(n+1), a(0) = 1, a(1) = 100, a(2) = 10010}, ogf]  
A266752 7.47791 [-(910\*x^2+180\*x-100)/(1000\*x^4-1110\*x^3+211\*x^2-102\*x+1) lgdogf]  
A266753 13.5436 [ (2\*x^2-x+1)/(4\*x-1)/(x-1) ogf]  
A266753 6.96903 [{-a(n+3)+5\*a(n+2)-4\*a(n+1), a(0) = 1, a(1) = 4, a(2) = 18}, ogf]  
A266753 9.70014 [-(6\*x^2+4\*x-4)/(8\*x^4-14\*x^3+11\*x^2-6\*x+1) lgdogf]  
A266755 11.4365 [-(9\*x^5-9\*x^4-11\*x^3-5\*x^2-2\*x)/(-x^6-x^5-x^4+x^2+x+1) lgdogf]  
A266755 15.8232 [ -1/(x^2+x+1)/(x^2+1)/(x+1)^2/(x-1)^3 ogf]  
A266755 39.7245 [x^3+x^2+x ogf\_with\_Euler\_transform]  
A266758 8.54464 [-1/(x^2-6\*x+1)^(1/2)/(3\*x+2)\*(-1+2\*x)/x-1/(3\*x+2)/x lgdegf]  
A266759 23.0924 [-x^5+x^4-2\*x^3+2\*x^2-x+5 ogf\_with\_Euler\_transform]  
A266759 6.11215 [ (x^2-x+1)\*(x^2+1)^2\*(x+1)^4/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^4 ogf]  
A266760 22.9902 [-x^7+x^6-x^5+x^2-x+6 ogf\_with\_Euler\_transform]  
A266760 6.12173 [ -(x^2+1)\*(x^2-x+1)\*(x^4+1)\*(x+1)^3/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^5 ogf]  
A266761 4.72154 [ (x^4-x^3+x^2-x+1)\*(x^4+1)\*(x^2+1)^2\*(x^2-x+1)^2\*(x+1)^6/(x^4+x^3+x^2+x+1)/(x^6+x^3+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^6 ogf]  
A266768 21.4245 [x\*(x^6+x^4+x^3+x^2+1) ogf\_with\_Euler\_transform]  
A266768 8.56376 [ -1/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4+1)/(x^2+1)^2/(x+1)^4/(x-1)^5 ogf]  
A266769 10.4864 [-(8\*x^3-9\*x^2-6\*x-1)/(-x^4-x^3+x+1) lgdogf]  
A266769 30.0448 [x^2+2\*x+1 ogf\_with\_Euler\_transform]  
A266769 9.32123 [ 1/(x^2+x+1)/(x+1)^2/(x-1)^4 ogf]  
A266771 15.2942 [x^6+x^5+x^4+2\*x^3+x^2+x+1 ogf\_with\_Euler\_transform]  
A266772 16.7277 [x^8+x^17/(x^2-1)-x/(x^2-1) ogf\_with\_Euler\_transform]  
A266774 16.7875 [-x/(x^2-1)+x^10+x^21/(x^2-1) ogf\_with\_Euler\_transform]  
A266776 17.7245 [x\*(x^6+x^5+x^4+x^3+x^2+x+1) ogf\_with\_Euler\_transform]  
A266777 28.5100 [(-1/x^8+1)/(x-1)\*x^9 ogf\_with\_Euler\_transform]  
A266778 19.9918 [x\*(x^2+x+1)\*(x^6+x^3+1) ogf\_with\_Euler\_transform]  
A266779 26.2077 [(-1/x^10+1)\*x^11/(x-1) ogf\_with\_Euler\_transform]  
A266780 26.4967 [(-1/x^11+1)\*x^12/(x-1) ogf\_with\_Euler\_transform]  
A266781 26.5930 [(-1/x^12+1)/(x-1)\*x^13 ogf\_with\_Euler\_transform]  
A266782 8.09632 [ -(x^4-x^3+x^2-x+1)\*(x^2-x+1)\*(x+1)^3/(x^6+x^3+1)/(x-1)^3 ogf]  
A266788 5.19813 [ - (256\*x^10-768\*x^9+112\*x^8+688\*x^7-328\*x^6-40\*x^5-28\*x^4+12\*x^3-13\*x^2+3\*x+1)/(x-1)/(4\*x-1)/(4\*x+1)/(x+1)/(8\*x^2-1) ogf]  
A266789 7.19136 [ (x^12-x^10-x^9+x^8+x^3-x-1)/(x-1)/(x+1) ogf]  
A266791 8.06038 [ -(x^12-x^10-x^9+x^8+x^3-x-1)/(x+1)/(2\*x-1)/(x-1) ogf]  
A266792 8.37698 [ -(x^8-2\*x^7+x^6+x^5-x^4-x^3-2\*x-1)/(x-1)^2/(x+1)^2 ogf]  
A266793 7.09223 [ (x^8-2\*x^7+x^6+x^5-x^4-x^3-2\*x-1)/(x+1)^2/(x-1)^3 ogf]

A266794 8.64531 [  $x^*(x^7-2x^6+x^5+x^4-x^3+3x+1)/(x-1)^2/(x+1)^2$  ogf]  
A266795 7.20273 [  $-x^*(x^7-2x^6+x^5+x^4-x^3+3x+1)/(x+1)^2/(x-1)^3$  ogf]  
A266797 11.0217 [  $-2*(5x-1)*(3x-1)/(6x-1)/(2x-1)/(4x-1)$  ogf]  
A266797 6.27098 [  $\{-a(n+3)+12a(n+2)-44a(n+1)+48a(n), a(0) = 2, a(1) = 8, a(2) = 38\}$ , ogf]  
A266797 6.43747 [  $(-(-720x^4+768x^3-316x^2+58x-4)/(-720x^5+1044x^4-580x^3+155x^2-20x+1)$  lgdogf]  
A266799 7.23367 [  $-(x^4-16x^3+29x^2-4x+1)/(x-1)/(x^2+3x+1)/(x^2-7x+1)$  ogf]  
A266800 6.74144 [  $-2*(3x^4-43x^3+41x^2+14x-4)/(x-1)/(x^2+3x+1)/(x^2-7x+1)$  ogf]  
A266801 7.30609 [  $-(5x^4-122x^3+55x^2+58x-7)/(x-1)/(x^2+3x+1)/(x^2-7x+1)$  ogf]  
A266802 6.49291 [  $2*(6x^4+2x^3-7x^2+11x-1)/(x-1)/(x^2+3x+1)/(x^2-7x+1)$  ogf]  
A266804 6.95012 [  $-(x^4-10x^3-19x^2-76x+19)/(x-1)/(x^2+3x+1)/(x^2-7x+1)$  ogf]  
A266805 6.53614 [  $-2*(3x^4-40x^3-31x^2-10x-7)/(x-1)/(x^2+3x+1)/(x^2-7x+1)$  ogf]  
A266806 7.18507 [  $(x^4+116x^3-7x^2-208x+13)/(x-1)/(x^2+3x+1)/(x^2-7x+1)$  ogf]  
A266807 6.11010 [  $2*(15x^4-22x^3-127x^2+50x-1)/(x-1)/(x^2+3x+1)/(x^2-7x+1)$  ogf]  
A266810 6.01561 [  $(56x^6-40x^5+36x^4-3x^3+3x^2-3x-1)/(x-1)/(4x-1)/(2x-1)/(x+1)/(x^2+1)/(4x^2+2x+1)$  ogf]  
A266811 8.17633 [  $-(2x^5+x^4+5x^3+3x^2+3x+1)/(x+1)/(x^2+x+1)/(x^2+1)/(x-1)^3$  ogf]  
A266813 8.01466 [  $-x^2*(x^4+x^3+4x^2+x+2)/(x+1)/(x^2+x+1)/(x^2+1)/(x-1)^3$  ogf]  
A266839 5.70623 [  $(64x^9-192x^8+28x^7+172x^6+14x^5+6x^4+3x^3+15x^2-4x-1)/(x-1)/(4x-1)/(4x+1)/(x+1)/(8x^2-1)$  ogf]  
A266841 6.20485 [  $(110000x^5-x^3+x^2-10x-1)/(x-1)/(10x+1)/(100x-1)/(100x+1)/(10x-1)/(x+1)$  ogf]  
A266842 9.08435 [  $(48x^5-x^3+x^2-2x-1)/(x-1)/(4x-1)/(2x+1)/(2x-1)/(4x+1)/(x+1)$  ogf]  
A266844 5.14106 [  $\{-a(n+3)+10a(n+2)+10000a(n+1)-100000a(n), a(0) = 1, a(1) = 110, a(2) = 10100\}$ , ogf]  
A266844 8.65863 [  $-(1000x^2-100x-1)/(100x-1)/(100x+1)/(10x-1)$  ogf]  
A266846 11.5471 [  $-(8x^2-4x-1)/(4x+1)/(2x-1)/(4x-1)$  ogf]  
A266846 6.32580 [  $\{-a(n+3)+2a(n+2)+16a(n+1)-32a(n), a(0) = 1, a(1) = 6, a(2) = 20\}$ , ogf]  
A266846 6.73581 [  $(-256x^4-256x^3-16x^2+16x+6)/(256x^5-256x^4+16x^3+32x^2-2x-1)$  lgdogf]  
A266849 5.54935 [  $(110000x^5-10000x^4+99x^3+10001x^2-110x-1)/(x-1)/(10x+1)/(100x-1)/(100x+1)/(10x-1)/(x+1)$  ogf]  
A266850 8.25875 [  $(48x^5-16x^4+3x^3+17x^2-6x-1)/(x-1)/(4x-1)/(2x+1)/(2x-1)/(4x+1)/(x+1)$  ogf]  
A266872 8.08987 [  $(10x+1)*(100x^2+1)/(x-1)/(100x-1)/(100x+1)/(x+1)$  ogf]  
A266873 11.5249 [  $(2x+1)*(4x^2+1)/(x-1)/(4x-1)/(4x+1)/(x+1)$  ogf]  
A266883 8.01345 [  $(-(-x^5-7x^4-7x^3-21x^2-8x-4)/(-x^6-3x^5+x^4-x^2+3x+1))$  lgdogf]  
A266883 9.89896 [  $-(x^4+3x^3+3x+1)/(x+1)^2/(x-1)^3$  ogf]  
A266912 7.05829 [  $-(2x^8-23x^7-11x^6-11x^5-11x^4-11x^3-11x^2-11x-13)/(x^4+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A266916 15.3917 [  $(-(-59x+61)/(-59x^2+119x-60))$  lgdogf]  
A266916 17.6841 [  $(-59x-60)/(x-1)^2$  ogf]  
A266916 9.89465 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 60, a(1) = 61\}$ , ogf]  
A266930 4.49215 [  $-(x^{10}-4x^9+3x^8+4x^7-4x^6-x^5+6x^3+x^2-4x+2)/(x^2+x+1)/(x+1)^2/(x-1)^7$  ogf]  
A266936 8.76065 [  $(-4x^5-3x^4-4x^3-2x^2+3x+4)/(x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A266956 8.03938 [  $(-x^5+3x^4+47x^3+21x^2+34x+2)/(x^6+x^5+13x^4-13x^2-x-1)$  lgdogf]

A266956 9.32226 [  $-(x^4+x^3+14x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A266957 8.07759 [  $-(x^5-13x^4-21x^3-55x^2-14x-6)/(x^6-7x^5-7x^4+7x^2+7x-1)$  lgdogf]  
A266957 9.38043 [  $(x^2+x+1)(x^2-8x+1)/(x+1)^2/(x-1)^3$  ogf]  
A266958 8.00349 [  $-(x^5-9x^4-31x^3-45x^2-20x-4)/(x^6-5x^5-11x^4+11x^2+5x-1)$  lgdogf]  
A266958 9.28064 [  $(x^4-5x^3-10x^2-5x+1)/(x+1)^2/(x-1)^3$  ogf]  
A266959 4.95039 [  $\{a(n+4)-12a(n+3)+21a(n+2)-10a(n+1), a(0) = 1, a(1) = 12, a(2) = 103, a(3) = 1004\}$ , ogf]  
A266959 6.91094 [  $-(10x^3-230x^2+70x-12)/(100x^5-310x^4+230x^3-10x^2-11x+1)$  lgdogf]  
A266959 9.97150 [  $-(10x^3-20x^2+1)/(10x-1)/(x-1)^2$  ogf]  
A266973 13.2310 [  $-(13x^2+3x+1)/(x^2+1)/(x-1)$  ogf]  
A266973 7.25950 [  $\{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$ , ogf]  
A266975 4.27309 [  $\{a(n+4)-10a(n+3)-10000a(n+2)+100000a(n+1), a(0) = 1, a(1) = 110, a(2) = 11100, a(3) = 1101000\}$ , ogf]  
A266975 8.54618 [  $-(10000x^3-100x-1)/(100x-1)/(100x+1)/(10x-1)$  ogf]  
A266976 11.4673 [  $-(16x^3-4x-1)/(4x+1)/(2x-1)/(4x-1)$  ogf]  
A266976 5.35697 [  $\{a(n+4)-2a(n+3)-16a(n+2)+32a(n+1), a(0) = 1, a(1) = 6, a(2) = 28, a(3) = 104\}$ , ogf]  
A266977 10.2677 [  $-(x^3+x^2-4x-2)/(x^5-2x^3-x^2+x+1)$  lgdogf]  
A266977 13.4659 [  $-(x^3-x-1)/(x+1)/(x-1)^2$  ogf]  
A266977 6.22286 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 3\}$ , ogf]  
A266979 6.10428 [  $(100000x^5+100x^3+10000x^2-110x-1)/(x-1)/(10x+1)/(100x-1)/(100x+1)/(10x-1)/(x+1)$  ogf]  
A266980 9.12303 [  $(32x^5+4x^3+16x^2-6x-1)/(x-1)/(4x-1)/(2x+1)/(2x-1)/(4x+1)/(x+1)$  ogf]  
A266981 10.0912 [  $-(x^4+9x^2+4x+2)/(x^5+x^3+x^2-2x-1)$  lgdogf]  
A266981 14.1632 [  $(x^3+2x+1)/(x-1)^2/(x+1)^2$  ogf]  
A266983 6.96790 [  $-(1000x^4-1110x^3-999x^2-x-1)/(x-1)/(100x-1)/(100x+1)/(x+1)$  ogf]  
A266984 10.1173 [  $-(2x+1)(4x^3-9x^2+x-1)/(x-1)/(4x-1)/(4x+1)/(x+1)$  ogf]  
A267002 5.43516 [  $(1100000x^5-10000x^4+9990x^3+10001x^2-101x-1)/(x-1)/(100x-1)/(100x+1)/(x+1)/(1000x^2-1)$  ogf]  
A267003 7.76877 [  $(2x+1)(48x^4-32x^3+23x^2-3x-1)/(x-1)/(4x-1)/(4x+1)/(x+1)/(8x^2-1)$  ogf]  
A267017 7.78218 [  $-x(9x^8+8x^7+4x^6+3x^5+2x^4+7x^3+6x^2+5x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A267027 7.64008 [  $(2x^5-x^4+3x^3-x^2+2x+1)/(x-1)^2/(x^2+x+1)/(x^2-x+1)$  ogf]  
A267031 12.9662 [  $2x^*(5x^2+22x+5)/(x-1)^4$  ogf]  
A267031 14.2817 [  $-(10x^2+76x+42)/(5x^3+17x^2-17x-5)$  lgdogf]  
A267031 4.83056 [  $\{(-15-5n)a(n+4)+(8-17n)a(n+3)+(93+17n)a(n+2)+(10+5n)a(n+1), a(0) = 0, a(1) = 10, a(2) = 84, a(3) = 286\}$ , ogf]  
A267035 8.30000 [  $(1100x^3-x^2+11x+1)/(x-1)/(100x-1)/(100x+1)/(x+1)$  ogf]  
A267036 11.7674 [  $(3x^2-x+1)/(x-1)/(4x-1)/(x+1)$  ogf]  
A267036 6.35230 [  $\{a(n+3)-4a(n+2)-a(n+1)+4a(n), a(0) = 1, a(1) = 3, a(2) = 16\}$ , ogf]  
A267036 7.25061 [  $-(-12x^4+8x^3-25x^2+8x+3)/(-12x^5+7x^4+7x^3-6x^2+5x-1)$  lgdogf]  
A267042 6.11341 [  $-(1344x^8-320x^7-1332x^6+276x^5-2x^4-6x^3-11x^2+5x+1)/(x-1)/(4x-1)/(2x+1)/(2x-1)/(4x+1)/(x+1)$  ogf]  
A267043 11.0098 [  $-(x^4-x^2+1)/(x-1)/(x+1)$  ogf]  
A267043 13.8568 [  $-x^{11}+x^3(x^2+1)$  ogf\_with\_Euler\_transform]  
A267043 5.55733 [  $\{-a(n+5)+a(n+3), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1\}$ , ogf]  
A267044 10.4180 [  $(x^4-x^2+1)/(x-1)/(10x-1)/(x+1)$  ogf]  
A267044 4.47439 [  $\{a(n+4)-10a(n+3)-a(n+2)+10a(n+1), a(0) = 1, a(1) = 10, a(2) = 100, a(3) = 1000, a(4) = 10001\}$ , ogf]  
A267045 12.1524 [  $(x^4-x^2+1)/(x+1)/(2x-1)/(x-1)$  ogf]

A267045 5.44762 [ {a(n+4)-2\*a(n+3)-a(n+2)+2\*a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8, a(4) = 17}, ogf]  
A267046 11.1896 [ -(3\*x^6-2\*x^5-2\*x^4-2\*x-1)/(x-1)^2/(x+1)^2 ogf]  
A267047 8.87978 [ (3\*x^6-2\*x^5-2\*x^4-2\*x-1)/(x+1)^2/(x-1)^3 ogf]  
A267048 9.45899 [ x\*(3\*x^5-2\*x^4-2\*x^3+x^2+3\*x+1)/(x-1)^2/(x+1)^2 ogf]  
A267049 7.90198 [ -x\*(3\*x^5-2\*x^4-2\*x^3+x^2+3\*x+1)/(x+1)^2/(x-1)^3 ogf]  
A267051 10.7385 [ -(100\*x^3-x-1)/(x-1)/(10\*x-1)/(x+1) ogf]  
A267051 4.98575 [ {a(n+4)-10\*a(n+3)-a(n+2)+10\*a(n+1), a(0) = 1, a(1) = 11, a(2) = 111, a(3) = 1011}, ogf]  
A267052 13.1805 [ -(4\*x^3-x-1)/(x+1)/(2\*x-1)/(x-1) ogf]  
A267052 6.04519 [ {a(n+4)-2\*a(n+3)-a(n+2)+2\*a(n+1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 11}, ogf]  
A267052 7.51411 [ -(4\*x^4+12\*x^3-17\*x^2+2\*x+3)/(8\*x^6-4\*x^5-10\*x^4+3\*x^3+3\*x^2+x-1) lgdogf]  
A267054 5.97290 [ (100000\*x^5+10000\*x^3+x^2-11\*x-1)/(x-1)/(10\*x+1)/(100\*x-1)/(100\*x+1)/(10\*x-1)/(x+1) ogf]  
A267055 8.97872 [ (32\*x^5+16\*x^3+x^2-3\*x-1)/(x-1)/(4\*x-1)/(2\*x+1)/(2\*x-1)/(4\*x+1)/(x+1) ogf]  
A267057 5.07759 [ (11101100\*x^5-10100\*x^4+10011\*x^3+10099\*x^2+1)/(x-1)/(100\*x-1)/(100\*x+1)/(x+1)/(10000\*x^2+1) ogf]  
A267058 8.04127 [ (236\*x^5-20\*x^4+19\*x^3+19\*x^2+1)/(x-1)/(4\*x-1)/(4\*x+1)/(x+1)/(16\*x^2+1) ogf]  
A267068 5.24626 [ -(x^11-x^10+2\*x^9+3\*x^8+2\*x^7-5\*x^6-x^5-5\*x^4-2\*x^3-3\*x^2-2\*x-1)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2 ogf]  
A267078 3.76261 [ -(22\*x^8-286\*x^7-2287\*x^6+5676\*x^5+6048\*x^4-1562\*x^3-794\*x^2-54\*x+5)/(x+1)/(x^2+7\*x+1)/(x^2-3\*x+1)/(x^2-18\*x+1) ogf]  
A267080 4.44083 [ -6\*(22\*x^7-308\*x^6-1975\*x^5+7527\*x^4-1103\*x^3-429\*x^2-3\*x+1)/(x^2+7\*x+1)/(x^2-3\*x+1)/(x^2-18\*x+1) ogf]  
A267081 5.14847 [ (70\*x^6-700\*x^5-9491\*x^4-8179\*x^3-104\*x^2+125\*x-9)/(x+1)/(x^2+7\*x+1)/(x^2-18\*x+1) ogf]  
A267082 4.58330 [ 6\*x\*(2\*x^6-28\*x^5-182\*x^4+823\*x^3-114\*x^2+62\*x+1)/(x^2+7\*x+1)/(x^2-3\*x+1)/(x^2-18\*x+1) ogf]  
A267083 3.69420 [ -3\*(10\*x^8-130\*x^7-1051\*x^6+2706\*x^5+1992\*x^4-788\*x^3+76\*x^2+18\*x-1)/(x+1)/(x^2+7\*x+1)/(x^2-3\*x+1)/(x^2-18\*x+1) ogf]  
A267128 3.99238 [ (2048\*x^10-1472\*x^8-128\*x^7+248\*x^6+16\*x^5+11\*x^3+17\*x^2-4\*x-1)/(x-1)/(4\*x-1)/(2\*x-1)/(4\*x+1)/(x+1)/(4\*x^2+2\*x+1)/(8\*x^2-1)/(2\*x^2-1) ogf]  
A267139 5.02820 [ -(4096\*x^10-1536\*x^9-3584\*x^8+1504\*x^7-496\*x^6+8\*x^5-4\*x^4+3\*x^3-13\*x^2+6\*x+1)/(x-1)/(4\*x-1)/(4\*x+1)/(x+1)/(2\*x^2-1) ogf]  
A267141 19.9302 [ 11/(-x+1) lgdegf]  
A267141 6.42194 [ {(-n-12)\*a(n+1)+a(n+2), a(0) = 6, a(1) = 66}, ogf]  
A267142 17.4298 [ 9\*x^8/(-x^9+1) lgdogf]  
A267142 25.0990 [ -1/(x-1)/(x^2+x+1)/(x^6+x^3+1) ogf]  
A267142 36.8430 [ [x^8] ogf\_with\_Euler\_transform]  
A267155 8.59053 [ (x^10-x^4-x^3+x^2-1)/(x-1)/(x+1) ogf]  
A267156 8.30958 [ -(x^10-x^4-x^3+x^2-1)/(x-1)/(10\*x-1)/(x+1) ogf]  
A267157 9.76200 [ -(x^10-x^4-x^3+x^2-1)/(x+1)/(2\*x-1)/(x-1) ogf]  
A267158 5.51922 [ -(x^12-x^11-x^10+x^9+4\*x^8-x^7+x^6-2\*x^5-2\*x^4-4\*x^3-2\*x^2-x-1)/(x^2+1)/(x-1)^2/(x+1)^2 ogf]  
A267159 4.73728 [ (x^12-x^11-x^10+x^9+4\*x^8-x^7+x^6-2\*x^5-2\*x^4-4\*x^3-2\*x^2-x-1)/(x^2+1)/(x+1)^2/(x-1)^3 ogf]  
A267160 5.88042 [ x\*(x^11-x^10-x^9+x^8+4\*x^7-x^6+x^5-x^4+x^3+2\*x+2)/(x^2+1)/(x-1)^2/(x+1)^2 ogf]  
A267161 4.98623 [ -x\*(x^11-x^10-x^9+x^8+4\*x^7-x^6+x^5-x^4+x^3+2\*x+2)/(x^2+1)/(x+1)^2/(x-1)^3 ogf]  
A267167 5.06189 [ (x^2-x+1)\*(x^4+1)\*(x^2+1)^2\*(x+1)^4/(x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4 ogf]  
A267168 22.4353 [ (5/x^9+6/x^10-1)/(x+1)\*x^10 ogf\_with\_Euler\_transform]

A267169 21.6687 [(7/x^12+6/x^11-1)/(x+1)\*x^12 ogf\_with\_Euler\_transform]  
A267170 21.3479 [(7/x^13+8/x^14-1)\*x^14/(x+1) ogf\_with\_Euler\_transform]  
A267171 19.1440 [-1/(x+1)\*x^16+1/(x+1)\*(8\*x+9) ogf\_with\_Euler\_transform]  
A267172 18.3112 [-1/(x+1)\*x^18+1/(x+1)\*(9\*x+10) ogf\_with\_Euler\_transform]  
A267182 11.2858 [-(x^3-5\*x^2+2\*x-2)/(-2\*x^5+3\*x^4+x^3-4\*x^2+x+1) lgdogf]  
A267182 14.3934 [(2\*x^3-3\*x^2+x+1)/(x+1)/(x-1)^2 ogf]  
A267182 7.58127 [{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 0, a(3) = 3}, ogf]  
A267183 12.6126 [(2\*x^4-5\*x^3+x^2+2\*x+1)/(x^2+x+1)/(x-1)^2 ogf]  
A267184 11.1154 [(2\*x^5-6\*x^4+3\*x^3-2\*x^2+3\*x+1)/(x+1)/(x^2+1)/(x-1)^2 ogf]  
A267185 10.3673 [-x\*(x^4+x^3-3\*x^2+x-1)/(x+1)/(x-1)^2 ogf]  
A267186 9.06983 [-x\*(x^6+x^5-3\*x^4+3\*x^3-2\*x-2)/(x^2+x+1)/(x-1)^2 ogf]  
A267187 8.42107 [-x\*(x^8+x^7-3\*x^6+4\*x^5-3\*x^4+2\*x-3)/(x+1)/(x^2+1)/(x-1)^2 ogf]  
A267207 3.74131 [-  
(3584\*x^10-256\*x^8-1120\*x^7-1352\*x^6-812\*x^5-406\*x^4-104\*x^3-39\*x^2-4\*x-1)/  
(x-1)/(4\*x-1)/(4\*x+1)/(x+1)/(x^2+1)/(4\*x^2+2\*x+1)/(16\*x^2+1) ogf]  
A267208 11.4875 [(x^3-x^2-x-1)/(x-1)/(x^2+x+1) ogf]  
A267208 6.89252 [{-a(n+4)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 0}, ogf]  
A267209 9.83106 [- (x^3-x^2-x-1)/(10\*x-1)/(x-1)/(x^2+x+1) ogf]  
A267210 11.0976 [- (x^3-x^2-x-1)/(2\*x-1)/(x-1)/(x^2+x+1) ogf]  
A267211 7.74088 [- (3\*x^7-7\*x^6-x^5-5\*x^4-x^3-5\*x^2-x-1)/(x+1)/(x^2+x+1)/  
(x^2+1)/(x-1)^2 ogf]  
A267212 6.99066 [(3\*x^7-3\*x^6-x^5-5\*x^4-x^3-5\*x^2-x-1)/(x+1)/(x^2+x+1)/(x^2+1)/  
(x-1)^3 ogf]  
A267213 9.44819 [ x\*(3\*x^6-2\*x^5+2\*x^4+5\*x^2+2)/(x+1)/(x^2+x+1)/(x^2+1)/(x-1)^2 ogf]  
A267214 8.34807 [-x\*(3\*x^6-2\*x^5+2\*x^4+5\*x^2+2)/(x+1)/(x^2+x+1)/(x^2+1)/(x-1)^3 ogf]  
A267226 10.9299 [- (2\*x^3-6\*x+3)/(x-1)/(2\*x-1)^2 ogf]  
A267226 4.97556 [{-a(n+4)+5\*a(n+3)-8\*a(n+2)+4\*a(n+1), a(0) = 3, a(1) = 9, a(2) = 21, a(3) = 47}, ogf]  
A267226 7.16909 [-(8\*x^3-30\*x^2+30\*x-9)/(4\*x^5-6\*x^4-10\*x^3+24\*x^2-15\*x+3) lgdogf]  
A267227 7.47496 [-2\*(3\*x^4+x^3-13\*x^2+10\*x-2)/(2\*x-1)/(x-1)/(3\*x-1)^2 ogf]  
A267228 5.26821 [- (24\*x^5+20\*x^4-145\*x^3+135\*x^2-45\*x+5)/(x-1)/(3\*x-1)/(2\*x-1)/  
(4\*x-1)^2 ogf]  
A267229 4.33094 [- (120\*x^6+172\*x^5-969\*x^4+1010\*x^3-435\*x^2+84\*x-6)/(x-1)/  
(3\*x-1)/(2\*x-1)/(4\*x-1)/(5\*x-1)^2 ogf]  
A267230 3.50083 [- (720\*x^7+1512\*x^6-7476\*x^5+8428\*x^4-4270\*x^3+1099\*x^2-140\*x  
+7)/(x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1)/(6\*x-1)^2 ogf]  
A267233 10.4895 [-(3\*x^2+70\*x+47)/(x^3+16\*x^2-11\*x-6) lgdogf]  
A267233 8.91610 [- (x^2+17\*x+6)/(x-1)^5 ogf]  
A267234 7.46182 [(x^3+51\*x^2+61\*x+7)/(x-1)^6 ogf]  
A267234 8.21638 [-(3\*x^3+207\*x^2+407\*x+103)/(x^4+50\*x^3+10\*x^2-54\*x-7) lgdogf]  
A267235 5.61269 [- (x^4+147\*x^3+397\*x^2+167\*x+8)/(x-1)^7 ogf]  
A267236 4.45688 [(x^5+421\*x^4+2136\*x^3+2066\*x^2+407\*x+9)/(x-1)^8 ogf]  
A267240 5.70124 [- (9\*x^5-42\*x^4+76\*x^3-68\*x^2+27\*x-4)/(3\*x-1)^2/(x-1)^4 ogf]  
A267254 4.41736 [-  
(10000000000\*x^8-1100000000\*x^7+1090000000\*x^6-989000\*x^5+1089000\*x^4-10900\*x^3+98  
90\*x^2-110\*x-1)/(x-1)/(100\*x-1)/(100\*x+1)/(x+1) ogf]  
A267255 6.78463 [- (1024\*x^8-384\*x^7+320\*x^6-40\*x^5+72\*x^4-20\*x^3+10\*x^2-6\*x-1)/  
(x-1)/(4\*x-1)/(4\*x+1)/(x+1) ogf]  
A267256 12.3631 [(x^8-x-1)/(x-1)/(x+1) ogf]  
A267257 11.0794 [- (x^8-x-1)/(x-1)/(10\*x-1)/(x+1) ogf]  
A267258 12.7250 [- (x^8-x-1)/(x+1)/(2\*x-1)/(x-1) ogf]  
A267258 3.86182 [{-a(n+4)+2\*a(n+3)+a(n+2)-2\*a(n+1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 15, a(4) = 31, a(5) = 63, a(6) = 127, a(7) = 255, a(8) = 510}, ogf]  
A267259 8.37698 [- (x^8-2\*x^7+x^6+x^5-x^3-x^2-2\*x-1)/(x-1)^2/(x+1)^2 ogf]  
A267260 7.09223 [(x^8-2\*x^7+x^6+x^5-x^3-x^2-2\*x-1)/(x+1)^2/(x-1)^3 ogf]  
A267261 9.40867 [ x\*(x^7-2\*x^6+x^5+x^4+2\*x+1)/(x-1)^2/(x+1)^2 ogf]

A267262 7.86399 [  $-x*(x^7-2*x^6+x^5+x^4+2*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A267270 4.89164 [  $-(1000000*x^6-1100000*x^5-990100*x^4-9990*x^3-9901*x^2+101*x+1)/(x-1)/(100*x-1)/(100*x+1)/(x+1)/(1000*x^2-1)$  ogf]  
A267271 7.20773 [  $-(64*x^6-96*x^5-52*x^4-14*x^3-13*x^2+5*x+1)/(x-1)/(4*x-1)/(4*x+1)/(x+1)/(8*x^2-1)$  ogf]  
A267273 5.98896 [  $(100000*x^5-1000*x^4-98900*x^3+999*x^2+11*x+1)/(x-1)/(100*x-1)/(100*x+1)/(x+1)$  ogf]  
A267274 9.04602 [  $(32*x^5-8*x^4-20*x^3+7*x^2+3*x+1)/(x-1)/(4*x-1)/(4*x+1)/(x+1)$  ogf]  
A267276 5.42886 [  $(704*x^6+32*x^5+144*x^4-96*x^3-12*x^2-6*x-1)/(x-1)/(4*x-1)/(2*x-1)/(4*x+1)/(4*x^2+2*x+1)/(16*x^2+1)$  ogf]  
A267297 5.71194 [  $-(46611179*x^5-1630019160*x^4+1583407981*x^3+36*x^2-1259*x+1225)/(x-1)/(x^2-34*x+1)$  ogf]  
A267313 10.0638 [  $-x*(x^4-2*x^3+3*x^2+2*x-1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A267313 5.98888 [  $\{(n+5)*a(n+1)+a(n+2)+a(n+3)+(-n-1)*a(n+4), a(0) = 0, a(1) = -1, a(2) = 1, a(3) = 4\}$ , ogf]  
A267314 9.08132 [  $2*x*(x^2-2*x-1)/(x-1)/(x^2+1)^2$  ogf]  
A267317 13.1097 [  $-x*(5*x^2+2*x+1)/(x^2+1)/(x-1)$  ogf]  
A267317 6.50480 [  $\{a(n+4)-a(n+3)+a(n+2)-a(n+1), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 7\}$ , ogf]  
A267318 11.4248 [  $-(x^2-x+1)*(x^3-5*x^2-5*x-1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A267319 10.6581 [  $\{-a(n+3)+a(n+1), a(0) = 46, a(1) = 1, a(2) = 45\}$ , ogf]  
A267319 12.2213 [  $-(x^2+90*x+1)/(-x^4+x^3+47*x^2-x-46)$  lgdogf]  
A267319 18.3320 [  $(x^2-x-46)/(x-1)/(x+1)$  ogf]  
A267322 11.0995 [  $-(x+1)*(2*x^4-x^3+x^2+1)/(x-1)^3/(x^2+x+1)^3$  ogf]  
A267350 4.92295 [  $-(10100000*x^6-200000*x^5-10091010*x^4+89910*x^3-8991*x^2+101*x+1)/(x-1)/(10*x+1)/(100*x-1)/(100*x+1)/(10*x-1)/(x+1)$  ogf]  
A267351 7.19881 [  $-(160*x^6-64*x^5-154*x^4+14*x^3-7*x^2+5*x+1)/(x-1)/(4*x-1)/(2*x+1)/(2*x-1)/(4*x+1)/(x+1)$  ogf]  
A267352 10.9779 [  $-(2*x^4-2*x^3-x^2-2*x-1)/(x-1)^2/(x+1)^2$  ogf]  
A267352 9.00431 [  $-(2*x^4-6*x^3+12*x^2+6*x+2)/(-2*x^6+2*x^5+3*x^4-2*x-1)$  lgdogf]  
A267353 8.55455 [  $-(-2*x^5+2*x^4-3*x^3+15*x^2+9*x+3)/(-2*x^6+2*x^5+3*x^4-2*x-1)$  lgdogf]  
A267353 8.92248 [  $(2*x^4-2*x^3-x^2-2*x-1)/(x+1)^2/(x-1)^3$  ogf]  
A267354 11.7144 [  $x*(2*x^3-x^2+2*x+1)/(x-1)^2/(x+1)^2$  ogf]  
A267354 9.08192 [  $-(-2*x^4+2*x^3-12*x^2-2*x-2)/(-2*x^5+x^4-2*x^2+2*x+1)$  lgdogf]  
A267360 6.71452 [  $-(64*x^8-192*x^7-16*x^6+176*x^5-36*x^4+4*x^3-11*x^2-3*x-1)/(x-1)/(4*x-1)/(4*x+1)/(x+1)$  ogf]  
A267370 13.3526 [  $-3*x*(x-2)/(x-1)^4$  ogf]  
A267370 18.0816 [  $-(-3*x+7)/(-x^2+3*x-2)$  lgdogf]  
A267370 5.74780 [  $\{(-4-2*n)*a(n+3)+(10+3*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 0, a(1) = 6, a(2) = 21\}$ , ogf]  
A267437 9.62365 [  $-(44*x^3-52*x^2+21*x-11)/(2*x-1)/(x-1)/(2*x^2-x+1)$  ogf]  
A267450 5.31711 [  $-(32*x^8-56*x^7+12*x^6-24*x^5+5*x^4-8*x^3+2*x^2+1)/(x-1)/(4*x-1)/(2*x-1)/(x+1)/(x^2+1)/(4*x^2+2*x+1)$  ogf]  
A267451 9.24499 [  $(2*x^6+2*x^4+x^3+2*x^2+x+1)/(x+1)/(x^2+x+1)/(x^2+1)/(x-1)^2$  ogf]  
A267452 8.21304 [  $-(2*x^6+2*x^4+x^3+2*x^2+x+1)/(x+1)/(x^2+x+1)/(x^2+1)/(x-1)^3$  ogf]  
A267453 8.69465 [  $-x*(x^5-3*x^4-3*x^3-5*x^2-3*x-2)/(x+1)/(x^2+x+1)/(x^2+1)/(x-1)^2$  ogf]  
A267454 7.82722 [  $x*(x^5-3*x^4-3*x^3-5*x^2-3*x-2)/(x+1)/(x^2+x+1)/(x^2+1)/(x-1)^3$  ogf]  
A267456 6.25141 [  $(10*x+1)*(20000*x^4-9901*x^2+1)/(x-1)/(100*x-1)/(100*x+1)/(x+1)$  ogf]  
A267457 8.31377 [  $(2*x+1)*(32*x^4-13*x^2+1)/(x-1)/(4*x-1)/(4*x+1)/(x+1)$  ogf]  
A267458 12.6585 [  $(2*x^4-x^2+1)/(x+1)/(x-1)^2$  ogf]  
A267458 8.94352 [  $-(-2*x^5+2*x^4+7*x^3-x^2+x+1)/(2*x^6-3*x^4+2*x^2-1)$  lgdogf]  
A267459 12.7034 [  $-(2*x^4-x^2+1)/(x+1)/(x-1)^3$  ogf]  
A267459 9.82999 [  $-(-4*x^4-6*x^3+2*x^2-2*x-2)/(-2*x^6+3*x^4-2*x^2+1)$  lgdogf]

A267460 10.1075  $[-(x^3+x^2-4x-2)/(x^5-2x^3-x^2+x+1) \text{ lgdogf}]$   
A267460 12.4400  $[-2x*(x^3-x-1)/(x+1)/(x-1)^2 \text{ ogf}]$   
A267460 5.65456  $[\{-a(n+5)+a(n+4)+a(n+3)-a(n+2), a(0) = 0, a(1) = 2, a(2) = 4, a(3) = 6, a(4) = 6\}, \text{ ogf}]$   
A267461 10.1250  $[-(-x^4-2x^3+6x+3)/(-x^5+2x^3+x^2-x-1) \text{ lgdogf}]$   
A267461 12.4616  $[2x*(x^3-x-1)/(x+1)/(x-1)^3 \text{ ogf}]$   
A267465 7.94659  $[-(7x^3-21x^2+15x-3)/(3x-1)/(x-1)/(2x-1)^2 \text{ ogf}]$   
A267466 6.29613  $[-2*(23x^4-65x^3+55x^2-18x+2)/(2x-1)/(4x-1)/(x-1)/(3x-1)^2 \text{ ogf}]$   
A267467 4.81353  $[-(326x^5-920x^4+870x^3-365x^2+70x-5)/(x-1)/(3x-1)/(2x-1)/(5x-1)/(4x-1)^2 \text{ ogf}]$   
A267468 3.56096  $[-(2556x^6-7336x^5+7539x^4-3710x^3+945x^2-120x+6)/(x-1)/(6x-1)/(4x-1)/(3x-1)/(2x-1)/(5x-1)^2 \text{ ogf}]$   
A267469 3.16736  $[-(22212x^7-65212x^6+71617x^5-39543x^4+12110x^3-2086x^2+189x-7)/(x-1)/(4x-1)/(3x-1)/(2x-1)/(7x-1)/(5x-1)/(6x-1)^2 \text{ ogf}]$   
A267472 7.38954  $[-(x^4-5x^3+14x^2+2x+12)/(x-1)^5 \text{ ogf}]$   
A267473 6.06114  $[-(x^5-6x^4+7x^3-67x^2-34x-21)/(x-1)^6 \text{ ogf}]$   
A267474 4.94661  $[-(x^6-7x^5+37x^4+137x^3+362x^2+152x+38)/(x-1)^7 \text{ ogf}]$   
A267475 4.01422  $[-(x^7-8x^6-4x^5-651x^4-1901x^3-1862x^2-544x-71)/(x-1)^8 \text{ ogf}]$   
A267489 6.67571  $[-x*(x^6+2x^5-2x^4+2x^3-2x^2+2x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3 \text{ ogf}]$   
A267514 10.4180  $[(x^2+x+1)*(x^2-x+1)/(10x-1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1) \text{ ogf}]$   
A267515 12.3694  $[(x^2+x+1)*(x^2-x+1)/(2x-1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1) \text{ ogf}]$   
A267522 13.5906  $[8*(3x+1)/(x-1)^4 \text{ ogf}]$   
A267522 17.5546  $[-(-9x-7)/(-3x^2+2x+1) \text{ lgdogf}]$   
A267522 5.47155  $[\{(n+3)*a(n+3)+(-3+2n)*a(n+2)+(-12-3n)*a(n+1), a(0) = 8, a(1) = 56, a(2) = 176\}, \text{ ogf}]$   
A267523 11.3458  $[(11x^2-x+1)/(100x-1)/(x-1) \text{ ogf}]$   
A267523 5.87550  $[\{-a(n+3)+101a(n+2)-100a(n+1), a(0) = 1, a(1) = 100, a(2) = 10011\}, \text{ ogf}]$   
A267523 7.39389  $[-(1011x^2+178x-100)/(1100x^4-1211x^3+212x^2-102x+1) \text{ lgdogf}]$   
A267524 12.6910  $[(x^3-x+1)/(10x-1)/(x-1) \text{ ogf}]$   
A267524 5.72135  $[\{-a(n+4)+11a(n+3)-10a(n+2), a(0) = 1, a(1) = 10, a(2) = 100, a(3) = 1001\}, \text{ ogf}]$   
A267524 6.64767  $[-(-10x^4+22x^3-13x^2+20x-10)/(10x^5-11x^4-9x^3+21x^2-12x+1) \text{ lgdogf}]$   
A267526 5.30119  $[(1000000x^5-990000x^4-10000x^3+9999x^2+x-1)/(x-1)/(100x-1)/(100x+1)/(10x-1) \text{ ogf}]$   
A267527 7.26556  $[(64x^5-48x^4-16x^3+15x^2+x-1)/(x-1)/(4x-1)/(2x-1)/(4x+1) \text{ ogf}]$   
A267528 12.6788  $[(x^4+x^3+1)/(x+1)/(x-1)^2 \text{ ogf}]$   
A267528 5.72305  $[\{a(n+5)-a(n+4)-a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 5\}, \text{ ogf}]$   
A267529 12.7655  $[-(x^4+x^3+1)/(x+1)/(x-1)^3 \text{ ogf}]$   
A267529 8.29760  $[-(-3x^4-6x^3-3x^2-4x-2)/(-x^6-x^5+x^4+x^3-x^2+1) \text{ lgdogf}]$   
A267530 11.0401  $[-x*(x^3+x^2-x-2)/(x+1)/(x-1)^2 \text{ ogf}]$   
A267530 5.63585  $[\{-a(n+5)+a(n+4)+a(n+3)-a(n+2), a(0) = 0, a(1) = 2, a(2) = 3, a(3) = 4, a(4) = 4\}, \text{ ogf}]$   
A267530 9.15825  $[-(2x^3+2x^2-5x-3)/(x^5+x^4-2x^3-3x^2+x+2) \text{ lgdogf}]$   
A267531 11.3592  $[x*(x^3+x^2-x-2)/(x+1)/(x-1)^3 \text{ ogf}]$   
A267531 8.63773  $[-(x^4+4x^3+2x^2-8x-5)/(x^5+x^4-2x^3-3x^2+x+2) \text{ lgdogf}]$   
A267534 8.83227  $[(x+2)*(x^6+x^4+2x^3+x^2+x+2)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A267535 5.06197  $[\{a(n+4)-101a(n+3)+100a(n+2), a(0) = 1, a(1) = 110, a(2) = 11001, a(3) = 1100111\}, \text{ ogf}]$   
A267535 5.52988  $[-(-1000x^4+2020x^3-39x^2+218x-110)/$



$(1000x^5-1910x^4+1819x^3-818x^2-92x+1)$  lgdogf]  
A267535 9.97055 [  $(10x+1)(x^2-x+1)/(100x-1)/(x-1)$  ogf]  
A267536 12.0312 [  $(2x+1)(x^2-x+1)/(4x-1)/(x-1)$  ogf]  
A267536 6.27269 [  $\{a(n+4)-5a(n+3)+4a(n+2), a(0) = 1, a(1) = 6, a(2) = 25, a(3) = 103\}$ , ogf]  
A267536 7.33905 [  $-(-8x^4+20x^3-7x^2+10x-6)/(8x^5-14x^4+11x^3-2x^2-4x+1)$  lgdogf]  
A267537 15.7266 [  $-(x^4-x^2+1)/(x-1)$  ogf]  
A267537 18.2995 [  $-x^{11}+x^5+x^3-x+1$  ogf\_with\_Euler\_transform]  
A267537 7.26984 [  $\{-a(n+5)+a(n+4), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 0, a(4) = 1\}$ , ogf]  
A267538 11.8306 [  $(x^4-x^2+1)/(10x-1)/(x-1)$  ogf]  
A267538 5.36927 [  $\{a(n+2)-11a(n+1)+10a(n), a(0) = 1, a(1) = 11, a(2) = 110, a(3) = 1100, a(4) = 11001\}$ , ogf]  
A267539 13.4340 [  $(x^4-x^2+1)/(2x-1)/(x-1)$  ogf]  
A267539 5.98231 [  $\{-a(n+5)+3a(n+4)-2a(n+3), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 12, a(4) = 25\}$ , ogf]  
A267541 10.2749 [  $(x^5+2x^4+x^3+x^2+4x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A267587 12.5598 [  $-(x^5-x^3+x^2-x+1)/(x-1)$  ogf]  
A267588 9.83106 [  $(x^5-x^3+x^2-x+1)/(10x-1)/(x-1)$  ogf]  
A267589 11.6523 [  $(x^5-x^3+x^2-x+1)/(2x-1)/(x-1)$  ogf]  
A267595 4.88302 [  $\{a(n+4)-101a(n+3)+100a(n+2), a(0) = 1, a(1) = 10, a(2) = 1111, a(3) = 111111\}$ , ogf]  
A267595 8.85919 [  $-(100x^3-201x^2+91x-1)/(100x-1)/(x-1)$  ogf]  
A267596 11.7674 [  $-(4x^3-9x^2+3x-1)/(4x-1)/(x-1)$  ogf]  
A267596 6.18802 [  $\{a(n+4)-5a(n+3)+4a(n+2), a(0) = 1, a(1) = 2, a(2) = 15, a(3) = 63\}$ , ogf]  
A267596 6.90202 [  $-(-16x^4-40x^3+45x^2-10x-2)/(-16x^5+56x^4-61x^3+28x^2-8x+1)$  lgdogf]  
A267597 18.9593 [  $64x/(16x-1)^2$  ogf]  
A267597 25.9111 [  $32/(-16x+1)$  lgdogf]  
A267597 9.14508 [  $\{a(n+2)-32a(n+1)+256a(n), a(0) = 0, a(1) = 64\}$ , ogf]  
A267599 5.66454 [  $\{-a(n+3)+101a(n+2)-100a(n+1), a(0) = 1, a(1) = 1, a(2) = 1001\}$ , ogf]  
A267599 6.49932 [  $-(-91000x^2+1800x+1)/(-100000x^4+111000x^3-11200x^2+201x-1)$  lgdogf]  
A267599 9.95863 [  $(1000x^2-100x+1)/(100x-1)/(x-1)$  ogf]  
A267602 9.13794 [  $x^3(x^3-x^2-x-1)/(x-1)/(x+1)$  ogf]  
A267604 13.4340 [  $(x^3-x^2+1)/(2x-1)/(x-1)$  ogf]  
A267604 6.65857 [  $\{a(n+4)-3a(n+3)+2a(n+2), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 13\}$ , ogf]  
A267604 7.97642 [  $-(2x^4-6x^3+6x^2-6x+3)/(-2x^5+5x^4-4x^3-x^2+3x-1)$  lgdogf]  
A267613 4.90028 [  $\{a(n+4)-101a(n+3)+100a(n+2), a(0) = 1, a(1) = 1, a(2) = 1011, a(3) = 101111\}$ , ogf]  
A267613 8.57549 [  $-(900x^3-1010x^2+100x-1)/(100x-1)/(x-1)$  ogf]  
A267614 12.3493 [  $-(4x^3-10x^2+4x-1)/(4x-1)/(x-1)$  ogf]  
A267614 6.60047 [  $\{a(n+4)-5a(n+3)+4a(n+2), a(0) = 1, a(1) = 1, a(2) = 11, a(3) = 47\}$ , ogf]  
A267614 7.36206 [  $-(-16x^4-40x^3+46x^2-12x-1)/(-16x^5+60x^4-70x^3+34x^2-9x+1)$  lgdogf]  
A267615 10.7506 [  $\{a(n+2)-3a(n+1)+2a(n), a(0) = 12, a(1) = 13\}$ , ogf]  
A267615 12.7190 [  $-(-46x^2+48x-13)/(-46x^3+93x^2-59x+12)$  lgdogf]  
A267615 19.2138 [  $-(23x-12)/(2x-1)/(x-1)$  ogf]  
A267622 12.1862 [  $(10x^2+1)/(100x-1)/(x-1)$  ogf]  
A267622 5.87550 [  $\{-a(n+3)+101a(n+2)-100a(n+1), a(0) = 1, a(1) = 101, a(2) = 10111\}$ , ogf]  
A267622 7.39389 [  $-(-1010x^2+180x-101)/(1000x^4-1010x^3+110x^2-101x+1)$  lgdogf]  
A267623 12.6910 [  $(x^2-x+1)/(10x-1)/(x-1)$  ogf]  
A267623 6.52341 [  $\{-a(n+3)+11a(n+2)-10a(n+1), a(0) = 1, a(1) = 10, a(2) = 101\}$ , ogf]

ogf]

A267623 8.94878  $[-(x^2+18x-10)/(10x^4-21x^3+22x^2-12x+1) \text{ lgdogf}]$

A267625 4.90226  $[-(x^3+4x^2-2x-2)/(x-1)/(x^2+2x-2) \text{ egf}]$

A267638 7.49727  $[-2*(2x^4-2x^3-x^2+3x+1)/(2x-1)/(2x+1)/(x-1)/(2x^2-1) \text{ ogf}]$

A267649 11.3972  $[{-a(n+3)+a(n+2), a(0) = 2, a(1) = 2, a(2) = 4}, \text{ ogf}]$

A267649 14.9589  $[-(x^2-2x-1)/(-x^3+x^2-x+1) \text{ lgdogf}]$

A267649 23.3505  $[-2*(x^2+1)/(x-1) \text{ ogf}]$

A267649 32.9424  $[[-x^3+x+1] \text{ ogf\_with\_Euler\_transform}]$

A267652 10.4498  $[{-a(n+2)+4a(n+1)+4a(n), a(0) = 2, a(1) = 3}, \text{ ogf}]$

A267652 12.4186  $[-(20x^2-16x-3)/(20x^3+12x^2-13x+2) \text{ lgdogf}]$

A267652 19.0418  $[(5x-2)/(4x^2+4x-1) \text{ ogf}]$

A267654 9.93216  $[-(x^4+x^3+2x^2+2)/(-x^3-x^2-x-1) \text{ ogf\_with\_Euler\_transform}]$

A267661 7.24836  $[-2*(x^3-2x^2-1)/(x-1)/(x+1)/(x^2-3x+1)/(x^2+x-1) \text{ ogf}]$

A267668 4.94088  $[-4*(8x^6-8x^5-8x^4-5x^2-7x-1)/(2x-1)/(2x+1)/(x-1)/(8x^2-1)/(2x^2-1) \text{ ogf}]$

A267677 5.64955  $[(10000x^5+9900x^4-100x^3-9999x^2+100x-1)/(x-1)/(100x-1)/(10x-1)/(x+1) \text{ ogf}]$

A267678 7.64484  $[(16x^5+12x^4-4x^3-15x^2+4x-1)/(x-1)/(4x-1)/(2x-1)/(x+1) \text{ ogf}]$

A267680 6.37188  $[(101000x^4-89910x^3-10101x^2+101x-1)/(x-1)/(10x+1)/(100x-1)/(10x-1) \text{ ogf}]$

A267681 8.87155  $[(40x^4-14x^3-21x^2+5x-1)/(2x-1)/(2x+1)/(4x-1)/(x-1) \text{ ogf}]$

A267682 12.0234  $[-(2x^3+2x^2-x+1)/(x+1)/(x-1)^3 \text{ ogf}]$

A267682 8.64183  $[-(2x^4-8x^3-7x^2-6x-1)/(-2x^5-2x^4+3x^3+x^2-x+1) \text{ lgdogf}]$

A267684 6.92691  $[-(1000x^4-2110x^3+1021x^2-11x+1)/(10x-1)/(100x-1)/(x-1) \text{ ogf}]$

A267685 4.89270  $[{-a(n+5)+7a(n+4)-14a(n+3)+8a(n+2), a(0) = 1, a(1) = 4, a(2) = 27, a(3) = 119, a(4) = 495}, \text{ ogf}]$

A267685 9.17381  $[-(8x^4-22x^3+13x^2-3x+1)/(2x-1)/(4x-1)/(x-1) \text{ ogf}]$

A267688 7.00060  $[(1000x^4-10x^3+x^2-1)/(x-1)/(100x-1)/(10x-1)/(x+1) \text{ ogf}]$

A267689 9.06056  $[(2x+1)*(4x^3-3x^2+2x-1)/(x-1)/(4x-1)/(2x-1)/(x+1) \text{ ogf}]$

A267691 7.70795  $[(16x^4+x^3+11x^2-5x+1)/(x-1)^6 \text{ ogf}]$

A267691 7.93246  $[-(32x^4-67x^3-47x^2+3x-1)/(-16x^5+15x^4-10x^3+16x^2-6x+1) \text{ lgdogf}]$

A267705 4.34005  $[{-a(n+4)+111a(n+3)-1110a(n+2)+1000a(n+1), a(0) = 1, a(1) = 10, a(2) = 10101, a(3) = 1101011}, \text{ ogf}]$

A267705 7.53274  $[(10100x^3-10101x^2+101x-1)/(10x-1)/(100x-1)/(x-1) \text{ ogf}]$

A267706 11.1172  $[-(31457x^2-58460x+27277)/(x-1)^3 \text{ ogf}]$

A267706 6.54479  $[{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 27277, a(1) = 23371, a(2) = 19739}, \text{ ogf}]$

A267706 8.82124  $[-(31457x^2+54006x-23371)/(-31457x^3+89917x^2-85737x+27277) \text{ lgdogf}]$

A267707 8.54267  $[-(x^4-2x^3+5x^2-2x+1)/(x-1)^5 \text{ ogf}]$

A267707 9.22220  $[-(x^4-9x^2-2x-3)/(-x^5+3x^4-7x^3+7x^2-3x+1) \text{ lgdogf}]$

A267711 13.2211  $[x*(13x^2+x+1)/(x^2+x+1)/(x-1)^2 \text{ ogf}]$

A267711 5.28845  $[{(5n+11)*a(n+1)+5a(n+2)+5a(n+3)+(-5n-6)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 15}, \text{ ogf}]$

A267711 8.55484  $[-(26x^4-16x^3-18x^2-28x-2)/(-13x^5-x^4-x^3+13x^2+x+1) \text{ lgdogf}]$

A267714 3.70007  $[6*(x^{10}-x^9+x^8-4x^7-2x^6+2x^5+2x^4+3x^3-x^2-4x-1)/(x+1)^5/(x-1)^7 \text{ ogf}]$

A267729 4.08248  $[-(x^8-6x^7+7x^6+17x^5-26x^4-13x^3+8x^2+8x-4)/(x+1)^3/(x^2-3x+1)^3 \text{ ogf}]$

A267737 9.46414  $[-(4x^4+16x^3+4x^2-8x-1)/(x+1)/(2x-1)/(x-1) \text{ ogf}]$

A267738 8.58661  $[(x^5-6x^4+22x^3-46x^2+32x+1)/(2x-1)/(x-1) \text{ ogf}]$

A267747 12.8909  $[-(58x^2-32x-30)/(-29x^3-x^2+29x+1) \text{ lgdogf}]$

A267747 15.3357  $[x*(29x+1)/(x+1)/(x-1)^2 \text{ ogf}]$

A267747 7.94171  $[{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 30}, \text{ ogf}]$

ogf]  
 A267755 10.2260 [ (2\*x^5+4\*x^4+x^3+x^2+2\*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
 A267774 10.4844 [ (4\*x^3-x^2+x-1)/(2\*x-1)/(4\*x-1)/(x-1) ogf]  
 A267774 5.39636 [ {-a(n+4)+7\*a(n+3)-14\*a(n+2)+8\*a(n+1), a(0) = 1, a(1) = 6, a(2) = 29, a(3) = 123}, ogf]  
 A267774 6.49473 [ -(48\*x^4-40\*x^3-19\*x^2+26\*x-6)/(32\*x^6-64\*x^5+50\*x^4-33\*x^3+22\*x^2-8\*x+1) lgdogf]  
 A267775 4.32932 [ {-a(n+4)+111\*a(n+3)-1110\*a(n+2)+1000\*a(n+1), a(0) = 1, a(1) = 110, a(2) = 11101, a(3) = 1111011}, ogf]  
 A267775 8.32982 [ (100\*x^3-x^2+x-1)/(10\*x-1)/(100\*x-1)/(x-1) ogf]  
 A267777 10.3594 [ (11000\*x^2-100\*x+1)/(100\*x-1)/(x-1) ogf]  
 A267777 5.93309 [ {-a(n+3)+101\*a(n+2)-100\*a(n+1), a(0) = 1, a(1) = 1, a(2) = 11001}, ogf]  
 A267777 6.52640 [ -(1101000\*x^2-21800\*x-1)/(1100000\*x^4-1121000\*x^3+21200\*x^2-201\*x+1) lgdogf]  
 A267779 4.44632 [ {a(n+4)-100\*a(n+3)-a(n+2)+100\*a(n+1), a(0) = 1, a(1) = 101, a(2) = 11001, a(3) = 1111101}, ogf]  
 A267779 8.32982 [ (11000\*x^3+900\*x^2+x+1)/(x-1)/(100\*x-1)/(x+1) ogf]  
 A267780 10.4844 [ (24\*x^3+4\*x^2+x+1)/(x-1)/(4\*x-1)/(x+1) ogf]  
 A267780 5.43633 [ {-a(n+4)+4\*a(n+3)+a(n+2)-4\*a(n+1), a(0) = 1, a(1) = 5, a(2) = 25, a(3) = 125}, ogf]  
 A267780 6.55272 [ -(40\*x^4+200\*x^3-45\*x^2-10\*x-5)/(96\*x^6-8\*x^5-96\*x^4+11\*x^3-x^2-3\*x+1) lgdogf]  
 A267781 10.7542 [ -(14\*x^7+32\*x^6-16\*x^5-30\*x^4+x^2-14\*x-17)/(x+1)/(x-1)^2 ogf]  
 A267796 19.3494 [ 4/(16\*x-1)^2 ogf]  
 A267796 23.2193 [ 32/(-16\*x+1) lgdogf]  
 A267796 8.00666 [ {-a(n+2)+32\*a(n+1)-256\*a(n), a(0) = 4, a(1) = 128}, ogf]  
 A267797 13.8646 [ -4\*(x-19)/(x^2-18\*x+1) ogf]  
 A267797 7.49009 [ {-a(n+2)+18\*a(n+1)-a(n), a(0) = 76, a(1) = 1364}, ogf]  
 A267797 9.17800 [ -(-x^2+38\*x-341)/(-x^3+37\*x^2-343\*x+19) lgdogf]  
 A267799 14.1987 [ -(9\*x^2-11\*x+3)/(x-1)/(3\*x-1)/(2\*x-1) ogf]  
 A267799 7.84663 [ {-a(n+3)+6\*a(n+2)-11\*a(n+1)+6\*a(n), a(0) = 3, a(1) = 7, a(2) = 18}, ogf]  
 A267799 8.13196 [ -(54\*x^4-132\*x^3+121\*x^2-48\*x+7)/(54\*x^5-165\*x^4+193\*x^3-108\*x^2+29\*x-3) lgdogf]  
 A267801 5.08022 [ {a(n+4)-101\*a(n+3)+100\*a(n+2), a(0) = 1, a(1) = 11, a(2) = 10011, a(3) = 1110011}, ogf]  
 A267801 8.85605 [ (10\*x+1)\*(10000\*x^2-100\*x+1)/(100\*x-1)/(x-1) ogf]  
 A267802 11.8372 [ (2\*x+1)\*(16\*x^2-4\*x+1)/(4\*x-1)/(x-1) ogf]  
 A267802 6.27269 [ {a(n+4)-5\*a(n+3)+4\*a(n+2), a(0) = 1, a(1) = 3, a(2) = 19, a(3) = 115}, ogf]  
 A267802 6.85893 [ -(-128\*x^4+320\*x^3-64\*x^2-8\*x-3)/(128\*x^5-128\*x^4-16\*x^3+22\*x^2-7\*x+1) lgdogf]  
 A267804 8.12415 [ -(10000\*x^3-110\*x^2-111\*x-1)/(x-1)/(100\*x-1)/(100\*x+1)/(x+1) ogf]  
 A267805 10.7454 [ -(16\*x^3-6\*x^2-7\*x-1)/(x-1)/(4\*x-1)/(4\*x+1)/(x+1) ogf]  
 A267806 11.6741 [ -(x^3-x^2-x-1)/(x+1)/(x^2+x+1)/(x-1)^2 ogf]  
 A267807 8.00258 [ -(x^8-x^7-2\*x^6-2\*x^5-2\*x^3-x^2-x-1)/(x^2+1)/(x^4+1)/(x-1)^2/(x+1)^2 ogf]  
 A267808 10.6304 [ -(x^5-2\*x^4-x^3-x^2-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2 ogf]  
 A267811 3.83906 [ {-a(n+5)+111\*a(n+4)-1110\*a(n+3)+1000\*a(n+2), a(0) = 1, a(1) = 1, a(2) = 11011, a(3) = 1110111, a(4) = 111101111}, ogf]  
 A267811 6.46178 [ -(100000\*x^4-112000\*x^3+12010\*x^2-110\*x+1)/(10\*x-1)/(100\*x-1)/(x-1) ogf]  
 A267812 4.89270 [ {-a(n+5)+7\*a(n+4)-14\*a(n+3)+8\*a(n+2), a(0) = 1, a(1) = 1, a(2) = 27, a(3) = 119, a(4) = 495}, ogf]  
 A267812 9.06056 [ -(32\*x^4-64\*x^3+34\*x^2-6\*x+1)/(2\*x-1)/(4\*x-1)/(x-1) ogf]  
 A267815 4.34005 [ {-a(n+4)+111\*a(n+3)-1110\*a(n+2)+1000\*a(n+1), a(0) = 1, a(1) = 11, a(2) = 10111, a(3) = 1101111}, ogf]  
 A267815 7.53274 [ (10000\*x^3-10000\*x^2+100\*x-1)/(10\*x-1)/(100\*x-1)/(x-1) ogf]  
 A267816 10.1931 [ (16\*x^3-16\*x^2+4\*x-1)/(2\*x-1)/(4\*x-1)/(x-1) ogf]

A267816 5.39636 [  $\{-a(n+4)+7a(n+3)-14a(n+2)+8a(n+1), a(0) = 1, a(1) = 3, a(2) = 23, a(3) = 111\}$ , ogf]  
A267831 9.39872 [  $(3x^3+7x^2-5x-1)/(x-1)/(x^2+1)^2$  ogf]  
A267832 5.87596 [  $2^*(x+1)/(x-1)/(x^2+2x-2)$  egf]  
A267843 4.77573 [  $(12x^{10}-17x^9-139x^8+20x^7-12x^6-12x^5-12x^4-12x^3-24x^2+5x-1)/(4x-1)/(x+1)/(x^2+1)/(x^4+1)/(x-1)^2$  ogf]  
A267846 5.06197 [  $\{a(n+4)-101a(n+3)+100a(n+2), a(0) = 1, a(1) = 100, a(2) = 11010, a(3) = 1111010\}$ , ogf]  
A267846 9.26839 [  $(9000x^3+1010x^2-x+1)/(100x-1)/(x-1)$  ogf]  
A267847 11.8372 [  $(8x^3+10x^2-x+1)/(4x-1)/(x-1)$  ogf]  
A267847 6.27269 [  $\{a(n+4)-5a(n+3)+4a(n+2), a(0) = 1, a(1) = 4, a(2) = 26, a(3) = 122\}$ , ogf]  
A267847 7.72532 [  $\{-(-32x^4+80x^3+22x^2-12x-4)/(32x^5-46x^3+19x^2-6x+1)$  lgdogf]  
A267850 5.08022 [  $\{a(n+4)-101a(n+3)+100a(n+2), a(0) = 1, a(1) = 10, a(2) = 11110, a(3) = 1111110\}$ , ogf]  
A267850 8.85605 [  $-(10000x^3-10200x^2+91x-1)/(100x-1)/(x-1)$  ogf]  
A267851 11.6493 [  $-(16x^3-24x^2+3x-1)/(4x-1)/(x-1)$  ogf]  
A267851 6.27269 [  $\{a(n+4)-5a(n+3)+4a(n+2), a(0) = 1, a(1) = 2, a(2) = 30, a(3) = 126\}$ , ogf]  
A267851 6.79542 [  $\{-(64x^4-160x^3+156x^2-40x-2)/(-64x^5+176x^4-148x^3+43x^2-8x+1)$  lgdogf]  
A267854 5.26445 [  $\{-(1000000x^5-100000x^4-11000x^3-100x^2-110x-1)/(10x+1)/(100x-1)/(100x+1)/(10x-1)/(100x^2+1)$  ogf]  
A267855 7.53285 [  $\{-(128x^5-32x^4-24x^3-4x^2-6x-1)/(4x-1)/(2x+1)/(2x-1)/(4x+1)/(4x^2+1)$  ogf]  
A267867 11.1535 [  $(100x^2+9x+1)/(100x-1)/(x-1)$  ogf]  
A267867 5.87550 [  $\{-a(n+3)+101a(n+2)-100a(n+1), a(0) = 1, a(1) = 110, a(2) = 11110\}$ , ogf]  
A267867 7.83400 [  $\{-(11000x^2-110)/(10000x^4-9200x^3-709x^2-92x+1)$  lgdogf]  
A267868 7.92405 [  $\{-(x^{13}-x^{12}+x^8-x^7+x^6-x^5+x^4-x+1)/(x-1)$  ogf]  
A267869 11.7869 [  $\{-(x^7-x^6+x^4-x^2+1)/(x-1)$  ogf]  
A267870 12.6328 [  $\{-(x^4-x^3+x^2-x+1)/(x-1)$  ogf]  
A267870 26.5027 [  $\{-x^9+x^4+x$  ogf\_with\_Euler\_transform]  
A267870 6.53053 [  $\{a(n+3)-a(n+1), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 0, a(4) = 1, a(5) = 1\}$ , ogf]  
A267871 15.8175 [  $\{-(x^4-x^3+1)/(x-1)$  ogf]  
A267871 9.22687 [  $\{-(3x^4-6x^3+3x^2-1)/(-x^5+2x^4-x^3-x+1)$  lgdogf]  
A267872 10.3578 [  $\{-(2x^3-6x^2+7x+1)/(-2x^4+6x^3-5x^2+2x-1)$  lgdogf]  
A267872 13.5840 [  $\{-(2x^3-4x^2+x-1)/(x-1)^2$  ogf]  
A267872 7.26865 [  $\{a(n+4)-2a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 7\}$ , ogf]  
A267873 13.5840 [  $\{-(x^4-3x^2+x-1)/(x-1)^2$  ogf]  
A267873 6.57640 [  $\{a(n+5)-2a(n+4)+a(n+3), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 7, a(4) = 9\}$ , ogf]  
A267873 9.41620 [  $\{-(2x^4-4x^3+5x+1)/(-x^5+x^4+3x^3-4x^2+2x-1)$  lgdogf]  
A267874 11.8494 [  $\{x^4-3x^2+x-1)/(x-1)^3$  ogf]  
A267874 5.60008 [  $\{-a(n+5)+3a(n+4)-3a(n+3)+a(n+2), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 13, a(4) = 22\}$ , ogf]  
A267874 8.51679 [  $\{-(x^4-4x^3+3x^2+4x+2)/(-x^5+x^4+3x^3-4x^2+2x-1)$  lgdogf]  
A267876 7.38559 [  $\{-(100000x^5-89910x^3-10201x^2+101x-1)/(100x-1)/(x-1)$  ogf]  
A267877 10.1484 [  $\{-(32x^5-14x^3-25x^2+5x-1)/(4x-1)/(x-1)$  ogf]  
A267878 12.6328 [  $\{-(x^4-x^3+x^2-x+1)/(x-1)$  ogf]  
A267878 26.5027 [  $\{-x^9+x^4+x$  ogf\_with\_Euler\_transform]  
A267878 6.53053 [  $\{a(n+3)-a(n+1), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 0, a(4) = 1, a(5) = 1\}$ , ogf]  
A267879 5.05801 [  $\{-a(n+5)+11a(n+4)-10a(n+3), a(0) = 1, a(1) = 10, a(2) = 101, a(3) = 1010, a(4) = 10101\}$ , ogf]  
A267879 9.83106 [  $\{x^4-x^3+x^2-x+1)/(10x-1)/(x-1)$  ogf]  
A267880 11.6523 [  $\{x^4-x^3+x^2-x+1)/(2x-1)/(x-1)$  ogf]

A267880 6.28133 [  $\{-a(n+5)+3a(n+4)-2a(n+3), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 10, a(4) = 21\}$ , ogf]  
A267881 13.5161 [  $-(x^5-4x^2+2x-1)/(x-1)^2$  ogf]  
A267881 9.81527 [  $\{-(-3x^5+5x^4-6x)/(x^6-x^5-4x^3+6x^2-3x+1)$  lgdogf]  
A267882 11.8494 [  $(x^5-4x^2+2x-1)/(x-1)^3$  ogf]  
A267882 8.51679 [  $\{-(2x^5-5x^4+4x^2+4x+1)/(-x^6+x^5+4x^3-6x^2+3x-1)$  lgdogf]  
A267883 5.32208 [  $\{-a(n+4), a(0) = 0, a(1) = 3, a(2) = 2, a(3) = 1\}$ , ogf]  
A267884 12.1103 [  $\{-(-x^2+2x+5)/(x^3+x^2+x-3)$  lgdogf]  
A267884 15.8175 [  $-x(x^2+2x+3)/(x-1)$  ogf]  
A267884 8.15849 [  $\{-a(n+4)+a(n+3), a(0) = 0, a(1) = 3, a(2) = 5, a(3) = 6\}$ , ogf]  
A267885 7.92839 [  $\{-(10000x^4-9000x^3-1011x^2+x-1)/(100x-1)/(x-1)$  ogf]  
A267886 10.3367 [  $\{-(16x^4-8x^3-11x^2+x-1)/(4x-1)/(x-1)$  ogf]  
A267886 5.60233 [  $\{a(n+5)-5a(n+4)+4a(n+3), a(0) = 1, a(1) = 4, a(2) = 27, a(3) = 127, a(4) = 511\}$ , ogf]  
A267887 5.08022 [  $\{a(n+4)-101a(n+3)+100a(n+2), a(0) = 1, a(1) = 10, a(2) = 11111, a(3) = 111111\}$ , ogf]  
A267887 8.85605 [  $\{-(10100x^3-10201x^2+91x-1)/(100x-1)/(x-1)$  ogf]  
A267888 11.6493 [  $\{-(20x^3-25x^2+3x-1)/(4x-1)/(x-1)$  ogf]  
A267888 6.27269 [  $\{a(n+4)-5a(n+3)+4a(n+2), a(0) = 1, a(1) = 2, a(2) = 31, a(3) = 127\}$ , ogf]  
A267888 6.79542 [  $\{-(80x^4-200x^3+173x^2-42x-2)/(-80x^5+200x^4-157x^3+44x^2-8x+1)$  lgdogf]  
A267889 5.06197 [  $\{a(n+4)-101a(n+3)+100a(n+2), a(0) = 1, a(1) = 110, a(2) = 11111, a(3) = 111111\}$ , ogf]  
A267889 9.53704 [  $\{-(100x^3-101x^2-9x-1)/(100x-1)/(x-1)$  ogf]  
A267890 12.0312 [  $\{-(4x^3-5x^2-x-1)/(4x-1)/(x-1)$  ogf]  
A267890 6.27269 [  $\{a(n+4)-5a(n+3)+4a(n+2), a(0) = 1, a(1) = 6, a(2) = 31, a(3) = 127\}$ , ogf]  
A267890 7.19515 [  $\{-(16x^4-40x^3+41x^2-2x-6)/(-16x^5+40x^4-25x^3+4x^2-4x+1)$  lgdogf]  
A267905 8.96488 [  $\{-(x^3+2x^2-3x+1)/(2x-1)/(x-1)/(x^2+2x-1)$  ogf]  
A267906 4.27651 [  $\{-2*(4x^6-14x^5-34x^4-15x^3+23x^2-7x+1)/(x-1)/(4x-1)/(x+1)/(x^2-6x+1)/(4x^2+4x-1)$  ogf]  
A267912 4.84338 [  $\{a(n+5)-3a(n+4)-2a(n+3)+8a(n+2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 11, a(4) = 29\}$ , ogf]  
A267912 9.18355 [  $\{(4x^4+3x^3-4x^2-x+1)/(2x-1)/(4x^2+x-1)$  ogf]  
A267913 3.95437 [  $\{2*(1024x^7+576x^6-1016x^5+98x^4+137x^3-27x^2-4x+1)/(4x-1)/(4x+1)/(16x^2+2x-1)/(16x^2-9x+1)$  ogf]  
A267920 11.7510 [  $\{(1000x^2+1)/(100x-1)/(x-1)$  ogf]  
A267920 5.87550 [  $\{-a(n+3)+101a(n+2)-100a(n+1), a(0) = 1, a(1) = 101, a(2) = 11101\}$ , ogf]  
A267920 6.78408 [  $\{-(101000x^2-1800x-101)/(100000x^4-101000x^3+1100x^2-101x+1)$  lgdogf]  
A267921 14.9777 [  $\{(8x^2+1)/(4x-1)/(x-1)$  ogf]  
A267921 7.12529 [  $\{-a(n+3)+5a(n+2)-4a(n+1), a(0) = 1, a(1) = 5, a(2) = 29\}$ , ogf]  
A267921 9.65664 [  $\{-(40x^2-8x-5)/(32x^4-40x^3+12x^2-5x+1)$  lgdogf]  
A267923 10.5701 [  $\{(10000x^2-90x+1)/(100x-1)/(x-1)$  ogf]  
A267923 5.90404 [  $\{-a(n+3)+101a(n+2)-100a(n+1), a(0) = 1, a(1) = 11, a(2) = 11011\}$ , ogf]  
A267923 6.48859 [  $\{-(1001000x^2-19800x-11)/(1000000x^4-1019000x^3+19190x^2-191x+1)$  lgdogf]  
A267924 13.5908 [  $\{(16x^2-2x+1)/(4x-1)/(x-1)$  ogf]  
A267924 7.12529 [  $\{-a(n+3)+5a(n+2)-4a(n+1), a(0) = 1, a(1) = 3, a(2) = 27\}$ , ogf]  
A267924 9.53123 [  $\{-(72x^2-24x-3)/(64x^4-88x^3+30x^2-7x+1)$  lgdogf]  
A267925 10.4453 [  $\{(110x+1)/(100x+1)/(100x-1)/(x-1)$  ogf]  
A267925 5.22267 [  $\{a(n+3)-a(n+2)-10000a(n+1)+10000a(n), a(0) = 1, a(1) = 111, a(2) = 10111\}$ , ogf]  
A267925 5.67290 [  $\{-(2200000x^3-1070000x^2-20000x-111)/(1100000x^4-1090000x^3-10110x^2+109x+1)$  lgdogf]

A267926 13.2852 [ (6\*x+1)/(4\*x+1)/(4\*x-1)/(x-1) ogf]  
A267926 6.35379 [ {-a(n+3)+a(n+2)+16\*a(n+1)-16\*a(n), a(0) = 1, a(1) = 7, a(2) = 23}, ogf]  
A267926 8.39869 [ -(-192\*x^3+48\*x^2+32\*x+7)/(-96\*x^4+80\*x^3+22\*x^2-5\*x-1) lgdogf]  
A267927 12.5598 [ -(x^7-x^6+x^3-x+1)/(x-1) ogf]  
A267928 3.92922 [ -(259\*x^7+388\*x^6-152\*x^5-284\*x^4+94\*x^3+60\*x^2-32\*x+4)/(x+1)^3/(3\*x-1)^5 ogf]  
A267934 4.40973 [ {a(n+5)-101\*a(n+4)+100\*a(n+3), a(0) = 1, a(1) = 1, a(2) = 11011, a(3) = 1111111, a(4) = 111111111}, ogf]  
A267934 7.67812 [ -(10000\*x^4+900\*x^3-11010\*x^2+100\*x-1)/(100\*x-1)/(x-1) ogf]  
A267935 10.3367 [ -(16\*x^4+4\*x^3-26\*x^2+4\*x-1)/(4\*x-1)/(x-1) ogf]  
A267935 5.60233 [ {a(n+5)-5\*a(n+4)+4\*a(n+3), a(0) = 1, a(1) = 1, a(2) = 27, a(3) = 127, a(4) = 511}, ogf]  
A267936 15.8175 [ -(x^3-x^2+1)/(x-1) ogf]  
A267936 8.15849 [ {a(n+4)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 1}, ogf]  
A267936 9.68821 [ -(2\*x^3-4\*x^2+2\*x-1)/(-x^4+2\*x^3-x^2-x+1) lgdogf]  
A267937 5.06197 [ {a(n+4)-101\*a(n+3)+100\*a(n+2), a(0) = 1, a(1) = 101, a(2) = 11111, a(3) = 1111111}, ogf]  
A267937 9.82173 [ -(1000\*x^3-1010\*x^2-1)/(100\*x-1)/(x-1) ogf]  
A267938 12.6535 [ -(8\*x^3-10\*x^2-1)/(4\*x-1)/(x-1) ogf]  
A267938 6.27269 [ {a(n+4)-5\*a(n+3)+4\*a(n+2), a(0) = 1, a(1) = 5, a(2) = 31, a(3) = 127}, ogf]  
A267938 7.05678 [ -(32\*x^4-80\*x^3+74\*x^2-12\*x-5)/(-32\*x^5+80\*x^4-58\*x^3+14\*x^2-5\*x+1) lgdogf]  
A267940 5.08022 [ {a(n+4)-101\*a(n+3)+100\*a(n+2), a(0) = 1, a(1) = 11, a(2) = 11111, a(3) = 1111111}, ogf]  
A267940 8.85605 [ -(10000\*x^3-10100\*x^2+90\*x-1)/(100\*x-1)/(x-1) ogf]  
A267941 11.6493 [ -(16\*x^3-20\*x^2+2\*x-1)/(4\*x-1)/(x-1) ogf]  
A267941 6.27269 [ {a(n+4)-5\*a(n+3)+4\*a(n+2), a(0) = 1, a(1) = 3, a(2) = 31, a(3) = 127}, ogf]  
A267941 6.79542 [ -(64\*x^4-160\*x^3+140\*x^2-32\*x-3)/(-64\*x^5+160\*x^4-124\*x^3+34\*x^2-7\*x+1) lgdogf]  
A267942 9.31264 [ -(2\*x^4+4\*x^3-7\*x^2+3)/(x+1)^2/(x-1)^3 ogf]  
A267946 12.1105 [ -(2\*x^2-1)/(2\*x-1)/(3\*x^2+x-1) ogf]  
A267946 6.16336 [ {a(n+3)-3\*a(n+2)-a(n+1)+6\*a(n), a(0) = 1, a(1) = 3, a(2) = 8}, ogf]  
A267946 7.50322 [ -(-12\*x^4+12\*x^2+2\*x-3)/(-12\*x^5+2\*x^4+12\*x^3-3\*x^2-3\*x+1) lgdogf]  
A267947 4.63625 [ -3\*(144\*x^5-72\*x^4-36\*x^3+18\*x^2+x-1)/(3\*x+1)/(4\*x-1)/(9\*x^2-7\*x+1)/(12\*x^2+2\*x-1) ogf]  
A267958 12.0121 [ -(-2\*x^3-5\*x^2-2\*x-3)/(-x^4-x^3+x+1) lgdogf]  
A267958 13.3058 [ 4\*x\*(x+1)^2/(x^2+x+1)/(x-1)^2 ogf]  
A267958 29.6955 [ 3-2\*x+1/2\*x^2, egf\_with\_Euler\_transform]  
A267958 5.24166 [ {(-n-3)\*a(n+1)-a(n+2)-a(n+3)+(n+2)\*a(n+4), a(0) = 0, a(1) = 4, a(2) = 12, a(3) = 16}, ogf]  
A267960 6.83081 [ -(17\*x^5+3\*x^4-24\*x^3+3\*x^2+9\*x-3)/(x+1)^2/(2\*x-1)^4 ogf]  
A267975 4.38280 [ -(x^7+12\*x^6+50\*x^5+72\*x^4+6\*x^3-72\*x^2+32\*x-4)/(x^2+3\*x-1)^4 ogf]  
A267981 5.52871 [ {(16\*n^2+64\*n+60)\*a(n+1)+(-n^2-6\*n-9)\*a(n+2), a(0) = 2, a(1) = 6}, ogf]  
A267982 4.80167 [ {(-16\*n^3-80\*n^2-132\*n-72)\*a(n+1)+(n^3+7\*n^2+15\*n+9)\*a(n+2), a(0) = 0, a(1) = 4}, ogf]  
A267984 13.0646 [ (7\*x^2+6\*x+17)/(x+1)/(x-1)^2 ogf]  
A267984 7.04351 [ {a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 17, a(1) = 23, a(2) = 47}, ogf]  
A267984 9.52946 [ -(-7\*x^3-19\*x^2-71\*x-23)/(-7\*x^4-6\*x^3-10\*x^2+6\*x+17) lgdogf]  
A267985 12.9371 [ (17\*x^2+6\*x+7)/(x+1)/(x-1)^2 ogf]  
A267985 7.03598 [ {a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 7, a(1) = 13, a(2) = 37}, ogf]  
A267985 9.32677 [ -(17\*x^3+29\*x^2+61\*x+13)/(17\*x^4+6\*x^3-10\*x^2-6\*x-7) lgdogf]  
A267987 12.5932 [ 4\*hypergeom([1/2, 1/2],[2],16\*x) ogf]

A267987 5.52871 [  $\{(-16*n^2-48*n-36)*a(n+1)+(n^2+5*n+6)*a(n+2), a(0) = 4, a(1) = 8\}$ , ogf]  
A268013 6.82011 [  $-(x^5+6*x^4+9*x^3-9*x+3)/(x^2+2*x-1)^3$  ogf]  
A268044 11.0347 [  $-(x^3+13*x^2+17*x+9)/(x^4+6*x^3+2*x^2-6*x-3)$  lgdogf]  
A268044 14.8336 [  $(x^2+6*x+3)/(x+1)/(x-1)^2$  ogf]  
A268044 8.00751 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 9, a(2) = 13\}$ , ogf]  
A268052 4.27382 [  $\{-a(n+3)+21*a(n+2)-108*a(n+1)+140*a(n), a(0) = 1, a(1) = 8, a(2) = 86\}$ , ogf]  
A268052 7.41634 [  $-(26*x^2-13*x+1)/(14*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A268053 6.42875 [  $-(674*x^3-399*x^2+46*x-1)/(14*x-1)/(2*x-1)/(41*x-1)/(5*x-1)$  ogf]  
A268054 3.54207 [  $-(52740*x^4-34208*x^3+4739*x^2-152*x+1)/(122*x-1)/(14*x-1)/(2*x-1)/(41*x-1)/(5*x-1)$  ogf]  
A268069 5.02146 [  $(12*x^7-32*x^5+11*x^4+24*x^3-5*x^2-4*x+1)/(3*x-1)/(x-1)/(6*x^2+2*x-1)/(2*x^2-1)$  ogf]  
A268075 4.53815 [  $-(1120*x^4-938*x^3+261*x^2-28*x+1)/(5*x-1)/(15*x-1)/(2*x-1)/(10*x-1)/(4*x-1)$  ogf]  
A268085 5.11738 [  $\{(-16*n^3-80*n^2-132*n-72)*a(n+1)+(n^3+7*n^2+15*n+9)*a(n+2), a(0) = 0, a(1) = 1\}$ , ogf]  
A268093 10.8601 [  $-(x^2+x-1)/(2*x-1)/(2*x^2+2*x-1)$  ogf]  
A268093 5.91486 [  $\{-a(n+3)+4*a(n+2)-2*a(n+1)-4*a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A268093 6.90067 [  $-(-4*x^4-8*x^3+6*x^2+6*x-3)/(-4*x^5-6*x^4+6*x^3+5*x^2-5*x+1)$  lgdogf]  
A268094 4.73041 [  $-3*(16*x^5-16*x^4-26*x^3+x^2+5*x-1)/(2*x+1)/(4*x-1)/(8*x^2+4*x-1)/(4*x^2-8*x+1)$  ogf]  
A268099 13.5429 [  $(5*x+4)/(x-1)/(10*x^2-1)$  ogf]  
A268099 6.47704 [  $\{a(n+3)-a(n+2)-10*a(n+1)+10*a(n), a(0) = 4, a(1) = 9, a(2) = 49\}$ , ogf]  
A268099 8.56161 [  $-(100*x^3+70*x^2-80*x-9)/(50*x^4-10*x^3-45*x^2+x+4)$  lgdogf]  
A268100 10.9538 [  $-(-50*x^2-20*x-5)/(-50*x^3-10*x^2+5*x+1)$  lgdogf]  
A268100 11.4594 [  $\{a(n+2)-10*a(n), a(0) = 1, a(1) = 5\}$ , ogf]  
A268100 17.7348 [  $-(5*x+1)/(10*x^2-1)$  ogf]  
A268133 13.5827 [  $(19*x^15+142*x^12+229*x^11-x-1)/(x^2+x-1)$  ogf]  
A268147 16.2143 [  $16*x/(16*x-1)^2$  ogf]  
A268147 22.1595 [  $32/(-16*x+1)$  lgdogf]  
A268147 7.82100 [  $\{a(n+2)-32*a(n+1)+256*a(n), a(0) = 0, a(1) = 16\}$ , ogf]  
A268148 10.7166 [  $-8*x*(48*x+1)/(16*x-1)^3$  ogf]  
A268148 12.6651 [  $-(-1536*x-96)/(-768*x^2+32*x+1)$  lgdogf]  
A268148 5.85361 [  $\{a(n+3)-48*a(n+2)+768*a(n+1)-4096*a(n), a(0) = 0, a(1) = 8, a(2) = 768\}$ , ogf]  
A268149 3.67031 [  $\{(-192*n^2-576*n-420)*a(n+1)+(44*n^2+210*n+306)*a(n+2)+(-2*n^2-9*n-10)*a(n+3), a(0) = 0, a(1) = 24, a(2) = 1120\}$ , ogf]  
A268151 10.9922 [  $-8*x*(112*x+5)/(16*x-1)^3$  ogf]  
A268151 12.7278 [  $-(3584*x+352)/(1792*x^2-32*x-5)$  lgdogf]  
A268151 5.99573 [  $\{a(n+3)-48*a(n+2)+768*a(n+1)-4096*a(n), a(0) = 0, a(1) = 40, a(2) = 2816\}$ , ogf]  
A268152 5.92188 [  $-8*x*(417792*x^3+67840*x^2+1024*x+1)/(16*x-1)^5$  ogf]  
A268152 6.07117 [  $-((13369344*x^3+4509696*x^2+201216*x+1104)/(6684672*x^4+667648*x^3-51456*x^2-1008*x-1))$  lgdogf]  
A268163 16.2605 [  $-1/6*x*(x^2+3*x-6)$  revegf]  
A268163 3.25210 [  $\{(9*n^3-n)*a(n)+(-99*n^3-372*n^2-472*n-176)*a(n+1)+(-264*n^2-935*n-792)*a(n+2)+(242+121*n)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
A268164 10.5912 [  $-(3*x^2+x-1)/(3*x-1)/(4*x^2+2*x-1)$  ogf]  
A268164 5.76011 [  $\{a(n+3)-5*a(n+2)+2*a(n+1)+12*a(n), a(0) = 1, a(1) = 4, a(2) = 15\}$ , ogf]  
A268165 3.89566 [  $-4*(1296*x^5-540*x^4-270*x^3+37*x^2+7*x-1)/(9*x-1)/(4*x+1)/(36*x^2+6*x-1)/(16*x^2-12*x+1)$  ogf]  
A268201 11.6854 [  $x*(x^2+10*x+13)/(x-1)^4$  ogf]

A268201 13.0806  $[-(2*x^2+32*x+62)/(x^3+9*x^2+3*x-13) \text{ lgdogf}]$   
A268201 4.31726  $[\{(-39-13*n)*a(n+4)+(68+3*n)*a(n+3)+(41+9*n)*a(n+2)+(n+2)*a(n+1), a(0) = 0, a(1) = 13, a(2) = 62, a(3) = 171\}, \text{ ogf}]$   
A268208 3.39678  $[\{-a(n+1)*n+(7*n+12)*a(n+2)+(-7*n-30)*a(n+3)+(n+6)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 12, a(3) = 52\}, \text{ ogf}]$   
A268218 4.40999  $[\{(n^2+5*n+6)*a(n+1)+(-n^2-4*n-3)*a(n+2)+a(n+3)*n, a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 4\}, \text{ ogf}]$   
A268219 4.23625  $[\{(n^2+5*n+6)*a(n+1)+(-n^2-3*n)*a(n+2)+(n-1)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 5\}, \text{ ogf}]$   
A268220 3.68314  $[\{(-n^2-5*n-6)*a(n+1)+(n^2+2*n-3)*a(n+2)+(-n+2)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 6\}, \text{ ogf}]$   
A268226 9.73667  $[(x+2)*(x^2+x+1)*(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A268251 6.90969  $[-x*(2*x^6+50*x^5+45*x^4-148*x^3-96*x^2+2*x+1)/(x-1)/(x+1)/(x^2-10*x+1)/(x^2+10*x+1) \text{ ogf}]$   
A268255 8.28604  $[-(18*x^3+28*x^2-32*x+7)/(3*x-1)/(2*x-1)/(x^2+2*x-1) \text{ ogf}]$   
A268256 4.97697  $[-(96*x^5+403*x^4+165*x^3-364*x^2+126*x-13)/(3*x-1)/(4*x-1)/(2*x^2+3*x-1)/(x^2+3*x-1) \text{ ogf}]$   
A268257 3.39049  $[-(600*x^7+4261*x^6+7524*x^5-220*x^4-4512*x^3+2079*x^2-352*x+21)/(4*x-1)/(5*x-1)/(2*x^2+4*x-1)/(3*x^2+4*x-1)/(x^2+4*x-1) \text{ ogf}]$   
A268262 7.35724  $[-(2*x^4-7*x^3+23*x^2-3*x+9)/(x-1)^5 \text{ ogf}]$   
A268263 6.00889  $[-(2*x^5-17*x^4+14*x^3-98*x^2-4*x-17)/(x-1)^6 \text{ ogf}]$   
A268264 4.62875  $[-(x^7-2*x^6-2*x^5+107*x^4+143*x^3+398*x^2+42*x+33)/(x-1)^7 \text{ ogf}]$   
A268265 3.67037  $[-(5*x^8-35*x^7+76*x^6-271*x^5-1016*x^4-1961*x^3-1576*x^2-197*x-65)/(x-1)^8 \text{ ogf}]$   
A268266 4.46530  $[-(x^{10}+12*x^9-138*x^8+593*x^7-723*x^6+5679*x^5+12257*x^4+15567*x^3+6186*x^2+757*x+129)/(x-1)^9 \text{ ogf}]$   
A268291 6.29388  $[x*(12*x^{11}+11*x^{10}+10*x^9+9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A268292 9.40991  $[-x^7/(x^2+x+1)/(x^2-x+1)/(x-1)^3 \text{ ogf}]$   
A268297 17.0841  $[-(-x^4-2*x^3+x^2+x)/(x^2+x-1) \text{ revogf}]$   
A268306 7.83706  $[-(x^5+x^3-x^2+x-1)/(x-1)/(x^2+1)/(x^3+x^2+x-1) \text{ ogf}]$   
A268315 13.8678  $[(8*x^3-8*x^2-4*x-9)/(x-1)/(x^2+x+1) \text{ ogf}]$   
A268315 8.23402  $[\{-a(n+4)+a(n+1), a(0) = 9, a(1) = 4, a(2) = 8, a(3) = 1\}, \text{ ogf}]$   
A268321 6.34526  $[-(5*x^5+11*x^4-11*x^3-10*x^2+10*x-2)/(x-1)/(3*x-1)/(2*x-1)/(x+1)/(x^2+2*x-1) \text{ ogf}]$   
A268329 11.7674  $[10/(1-4*x)^{(1/2)}/(1+(1-4*x)^{(1/2)}) \text{ lgdogf}]$   
A268329 5.78879  $[\{(-4*n^2-30*n-56)*a(n+1)+(n^2+9*n+14)*a(n+2), a(0) = 2, a(1) = 10\}, \text{ ogf}]$   
A268344 12.7618  $[-(6*x-11)/(3*x^2-11*x+1) \text{ lgdogf}]$   
A268344 18.7674  $[x/(3*x^2-11*x+1) \text{ ogf}]$   
A268344 7.78159  $[\{a(n+2)-11*a(n+1)+3*a(n), a(0) = 0, a(1) = 1\}, \text{ ogf}]$   
A268349 9.45269  $[(6*x^3+x^2-x-1)/(4*x^4+3*x^3+2*x^2+x-1) \text{ ogf}]$   
A268351 15.3795  $[-3*x*(5*x+4)/(x-1)^3 \text{ ogf}]$   
A268351 18.1478  $[-(10*x+17)/(5*x^2-x-4) \text{ lgdogf}]$   
A268351 8.02998  $[\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 12, a(2) = 51\}, \text{ ogf}]$   
A268358 5.83593  $[-(-1200*x^4+2096*x^3-1200*x^2+270*x-20)/(-240*x^5+524*x^4-400*x^3+135*x^2-20*x+1) \text{ lgdogf}]$   
A268358 9.75434  $[-27216/(x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(10*x-1) \text{ ogf}]$   
A268363 10.5131  $[-(-2*x^2-4*x-1)/(-2*x^3-2*x^2+x+1) \text{ lgdegf}]$   
A268363 16.4107  $[-(x+1)/(2*x^2-1) \text{ egf}]$   
A268368 6.26582  $[-x*(3*x^{13}+3*x^{12}-6*x^9-5*x^8-4*x^7+3*x^5+x^4+4*x^3+4*x^2+1)/(x-1)^3/(x+1)^3/(x^2+1)^3 \text{ ogf}]$   
A268409 10.2250  $[-(14*x^2-12*x-5)/(14*x^3+22*x^2-19*x+3) \text{ lgdogf}]$   
A268409 15.6784  $[(7*x-3)/(2*x^2+4*x-1) \text{ ogf}]$   
A268409 8.60399  $[\{-a(n+2)+4*a(n+1)+2*a(n), a(0) = 3, a(1) = 5\}, \text{ ogf}]$   
A268410 11.9225  $[(x+1)*(3*x-5)/(x^3+x^2+x-1) \text{ ogf}]$   
A268410 6.49352  $[\{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 5, a(1) = 7, a(2) = 9\},$



ogf]  
 A268410 7.42116 [  $[-(-3*x^4+4*x^3+20*x^2+4*x+7)/(-3*x^5-x^4+4*x^3+10*x^2+3*x-5)$   
 lgdogf]  
 A268413 12.9102 [  $[-(28*x-13)/(14*x^2-13*x-1)$  lgdogf]  
 A268413 21.6559 [  $[-1/(14*x+1)/(x-1)$  ogf]  
 A268413 7.89802 [  $\{a(n+2)+13*a(n+1)-14*a(n), a(0) = 1, a(1) = -13\}$ , ogf]  
 A268414 11.4307 [  $[-(x^2-4*x+1)/(5*x-1)/(x-1)^2$  ogf]  
 A268414 6.21671 [  $\{a(n+3)-7*a(n+2)+11*a(n+1)-5*a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]  
 A268414 8.33771 [  $[-(-5*x^3+35*x^2-17*x+3)/(-5*x^4+26*x^3-30*x^2+10*x-1)$  lgdogf]  
 A268419 5.93439 [  $[-(x^5+4*x^4-2*x^3-9*x^2+6*x-1)/(3*x-1)/(x-1)/(x^2+x-1)/(x^2+3*x-1)$  ogf]  
 A268428 7.53941 [  $[-(149*x^4-296*x^3+300*x^2-296*x+149)/(x^2+1)/(x-1)^3$  ogf]  
 A268446 13.7726 [  $28/(1-4*x)^(1/2)/(1+(1-4*x)^(1/2))$  lgdogf]  
 A268446 6.66768 [  $\{(-4*n^2-66*n-272)*a(n+1)+(n^2+18*n+32)*a(n+2), a(0) = 1, a(1) = 14\}$ , ogf]  
 A268447 12.2850 [  $36/(1-4*x)^(1/2)/(1+(1-4*x)^(1/2))$  lgdogf]  
 A268447 5.94748 [  $\{(-4*n^2-82*n-420)*a(n+1)+(n^2+22*n+40)*a(n+2), a(0) = 1, a(1) = 18\}$ , ogf]  
 A268451 5.83335 [  $[-(x^5-3*x^4+8*x^3-10*x^2+9*x-3)/(x^3-2*x^2+3*x-1)^2$  ogf]  
 A268458 7.42558 [  $[-(x^4-4*x^3+4*x^2+12*x+11)/(x-1)^5$  ogf]  
 A268458 7.91518 [  $[-(-x^4+4*x^3-56*x-67)/(-x^5+5*x^4-8*x^3-8*x^2+x+11)$  lgdogf]  
 A268459 6.48517 [  $4*(x^4-4*x^3+9*x^2+20*x+4)/(x-1)^6$  ogf]  
 A268459 6.79998 [  $[-(2*x^4-8*x^3+24*x^2+118*x+44)/(x^5-5*x^4+13*x^3+11*x^2-16*x-4)$  lgdogf]  
 A268460 4.99417 [  $2*(2*x^6-11*x^5+13*x^4+6*x^3-208*x^2-151*x-11)/(x-1)^7$  ogf]  
 A268461 3.76630 [  $-(x^8-13*x^7+88*x^6-335*x^5+536*x^4-1355*x^3-2996*x^2-937*x-29)/(x-1)^8$  ogf]  
 A268462 11.4793 [  $[-(-32*x^2+56*x-28)/(-16*x^3+32*x^2-22*x+5)$  lgdogf]  
 A268462 5.39298 [  $\{(2*n^2+6*n-8)*a(n+1)+(-n^2+4)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 10\}$ , ogf]  
 A268462 9.68137 [  $2*x^4*(8*x^2-12*x+5)/(2*x-1)^4$  ogf]  
 A268484 11.7327 [  $-(x^2-6*x-3)/(x-1)^4$  ogf]  
 A268484 12.2660 [  $[-(-2*x^2+16*x+18)/(-x^3+7*x^2-3*x-3)$  lgdogf]  
 A268484 4.00771 [  $\{(-3*n-12)*a(n+4)+(9-3*n)*a(n+3)+(30+7*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 3, a(1) = 18, a(2) = 53, a(3) = 116\}$ , ogf]  
 A268519 5.94455 [  $-(64000*x^6-31000*x^5-36000*x^4+5400*x^3+900*x^2-424*x+121)/(4*x-1)/(x-1)/(1000*x^5-1)$  ogf]  
 A268539 7.76616 [  $-x*(2*x^4-3*x^3+8*x^2-3*x+2)/(x^2+1)^2/(x-1)^3$  ogf]  
 A268549 3.45247 [  $\{(144*n^3+624*n^2+900*n+432)*a(n+1)+(-n^3-6*n^2-12*n-8)*a(n+2), a(0) = 1, a(1) = 12\}$ , ogf]  
 A268549 8.54339 [hypergeom([1/3, 1/2, 1/2],[1, 1],144\*x) ogf]  
 A268553 3.24391 [  $\{(-729*n^4-4374*n^3-9801*n^2-9720*n-3600)*a(n+1)+(n^4+8*n^3+24*n^2+32*n+16)*a(n+2), a(0) = 1, a(1) = 36\}$ , ogf]  
 A268554 3.02457 [  $\{(-864*n^4-5184*n^3-11586*n^2-11430*n-4200)*a(n+1)+(2*n^4+15*n^3+42*n^2+52*n+24)*a(n+2), a(0) = 1, a(1) = 36\}$ , ogf]  
 A268555 3.41158 [  $\{(16*n^2+64*n+60)*a(n+1)+(-24*n^2-120*n-150)*a(n+2)+(n^2+6*n+9)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 78\}$ , ogf]  
 A268579 7.24885 [  $-(2*x^2+1)*(x^2-6*x-1)/(x+1)^3/(x-1)^4$  ogf]  
 A268581 12.4390 [  $[-(-x^2-2*x+15)/(-x^3+x^2+5*x-5)$  lgdogf]  
 A268581 14.1848 [  $(x^2-5)/(x-1)^3$  ogf]  
 A268581 7.09239 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 15, a(2) = 29\}$ , ogf]  
 A268586 11.6313 [  $x^3*(3*x-2)/(2*x-1)^3$  ogf]  
 A268586 14.7171 [  $[-(-12*x+9)/(-6*x^2+7*x-2)$  lgdogf]  
 A268586 5.07844 [  $\{-a(n+5)+6*a(n+4)-12*a(n+3)+8*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2, a(4) = 9\}$ , ogf]  
 A268587 10.5963 [  $[-(52*x^2+70*x-24)/(-26*x^3+45*x^2-26*x+5)$  lgdogf]  
 A268587 9.04563 [  $x^4*(13*x^2-16*x+5)/(2*x-1)^4$  ogf]  
 A268598 10.3497 [  $-x^5*(5*x-4)/(2*x-1)^4$  ogf]  
 A268598 14.3303 [  $[-(-30*x+27)/(-10*x^2+13*x-4)$  lgdogf]

A268598 4.51622 [ $\{(2^n+8n-10)a(n+1)+(-n^2-n+12)a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 4\}$ , ogf]  
A268599 10.8416 [ $-(42x^2+66x-30)/(-14x^3+27x^2-18x+4)$  lgdogf]  
A268599 3.91192 [ $\{(2^n+10n^2+12n-80)a(n+1)+(-n^3-n^2+6n+56)a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 8\}$ , ogf]  
A268599 8.24904 [ $-2x^6(7x^2-10x+4)/(2x-1)^5$  ogf]  
A268613 8.67180 [ $-(19x^{11}+3x^{10}+16x^9+7x^8+9x^7+18x^6+11x^5+7x^4+4x^3+3x^2+x+2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A268615 8.89140 [ $-(39x^{11}+3x^{10}+36x^9+7x^8+29x^7+18x^6+11x^5+7x^4+4x^3+3x^2+x+2)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A268622 10.4516 [ $-(-10x+14)/(3x^3-13x^2+13x-3)$  lgdogf]  
A268622 11.6129 [ $3(x-1)(x-3)/(3x-1)^2$  ogf]  
A268622 5.97236 [ $\{-a(n+3)+6a(n+2)-9a(n+1), a(0) = 9, a(1) = 42, a(2) = 174\}$ , ogf]  
A268623 7.21863 [ $6(x^3+7x^2-11x+4)/(2x^2-5x+1)^2$  ogf]  
A268624 4.22119 [ $6(8x^6-36x^5+87x^4-157x^3+162x^2-69x+10)/(6x^3-15x^2+9x-1)^2$  ogf]  
A268633 11.7137 [ $3(x+1)^2/(3x-1)^2$  ogf]  
A268633 17.2452 [ $-8/(3x^2+2x-1)$  lgdogf]  
A268633 5.91264 [ $\{-a(n+3)+6a(n+2)-9a(n+1), a(0) = 3, a(1) = 24, a(2) = 120\}$ , ogf]  
A268634 7.54620 [ $6(3x^3-2x^2+2)/(2x^2-5x+1)^2$  ogf]  
A268635 4.25178 [ $6(8x^6-12x^5-27x^4+38x^3+17x^2-24x+6)/(6x^3-15x^2+9x-1)^2$  ogf]  
A268644 10.3007 [ $-(6x^3+52x^2+40x-2)/(6x^4+11x^3-15x^2-3x+1)$  lgdogf]  
A268644 11.0931 [ $(3x+1)(2x^2+5x-1)/(x-1)^4$  ogf]  
A268644 4.39219 [ $\{(-539n^2-2227n-2298)a(n+1)+(286n^2-1060n-2556)a(n+2)+(253n^2+911n+456)a(n+3), a(0) = -1, a(1) = -2, a(2) = 15\}$ , ogf]  
A268684 12.1691 [ $2x(3x+1)/(x-1)^4$  ogf]  
A268684 16.4790 [ $-(-9x-7)/(-3x^2+2x+1)$  lgdogf]  
A268684 5.27327 [ $\{(-2-n)a(n+3)+(5-2n)a(n+2)+(9+3n)a(n+1), a(0) = 0, a(1) = 2, a(2) = 14\}$ , ogf]  
A268685 11.5030 [ $-(30x^2+84x+21)/(10x^3+6x^2-15x-1)$  lgdogf]  
A268685 3.81590 [ $\{(n+4)a(n+4)+(24+15n)a(n+3)+(-96-6n)a(n+2)+(-40-10n)a(n+1), a(0) = 6, a(1) = 126, a(2) = 630, a(3) = 1950\}$ , ogf]  
A268685 9.79886 [ $-6(10x^2+16x+1)/(x-1)^5$  ogf]  
A268730 21.6644 [ $26/(-16x+1)$  lgdegf]  
A268730 6.98852 [ $\{(-16n-42)a(n+1)+a(n+2), a(0) = 10, a(1) = 260\}$ , ogf]  
A268735 5.46098 [ $(2x^6-7x^5+4x^3+4x^2+7x+2)/(x^4-6x^2-2x+1)^2$  ogf]  
A268741 10.8384 [ $-(-18x^2-16x-5)/(-18x^3+x^2+13x+4)$  lgdogf]  
A268741 16.3780 [ $-(9x+4)/(2x+1)/(x-1)$  ogf]  
A268741 8.98791 [ $\{a(n+2)+a(n+1)-2a(n), a(0) = 4, a(1) = 5\}$ , ogf]  
A268742 6.82256 [ $-x(2x^7+18x^6+11x^5-x^4+10x^3+18x^2+x+1)/(x+1)^2/(x^2+1)^2/(x-1)^3$  ogf]  
A268744 6.82239 [ $-(x^4+6x^3+18x^2+2x-11)/(x^5+6x^4+12x^3+2x^2-13x+4)$  lgdogf]  
A268744 8.86025 [ $-(x^3+4x^2+5x-4)/(x^2+2x-1)^2$  ogf]  
A268745 4.78219 [ $-(x^7-x^6-6x^5-13x^4+37x^3+41x^2-4x-7)/(x^4-6x^2-2x+1)^2$  ogf]  
A268761 7.08154 [ $(x^3-8x^2+7x+2)/(2x^3-3x^2-2x+1)^2$  ogf]  
A268762 5.04458 [ $-(9x^4+24x^3+3x^2-24x-5)/(3x^4+2x^3-7x^2-2x+1)^2$  ogf]  
A268768 7.77514 [ $(12x^4+12x^3-x^2+6x+3)/(x+1)^2/(2x-1)^2$  ogf]  
A268769 4.86194 [ $2(4x^7+4x^6-47x^5+20x^4+63x^3-20x^2-8x+6)/(2x^3-3x^2-2x+1)^2$  ogf]  
A268770 3.26080 [ $2(54x^9+189x^8-72x^7-734x^6-238x^5+794x^4+332x^3-157x^2-22x+18)/(3x^4+2x^3-7x^2-2x+1)^2$  ogf]  
A268775 6.86796 [ $-(-8x^4-28x^3+6x^2+19x+11)/(-8x^5-20x^4+2x^3+19x^2+x-4)$  lgdogf]

A268775 9.00862 [  $-(4*x^3+8*x^2-3*x-4)/(x+1)^2/(2*x-1)^2$  ogf]  
A268776 6.03896 [  $-(4*x^5-8*x^4-12*x^3+27*x^2+2*x-7)/(2*x^3-3*x^2-2*x+1)^2$  ogf]  
A268777 4.15484 [  $-(9*x^7+21*x^6-26*x^5-66*x^4+36*x^3+74*x^2-13*x-13)/(3*x^4+2*x^3-7*x^2-2*x+1)^2$  ogf]  
A268783 7.78462 [  $(x^3+4*x^2+3*x+1)/(x^3+2*x^2+x-1)^2$  ogf]  
A268784 4.37248 [  $-(4*x^6+10*x^5+8*x^4-9*x^3-20*x^2-13*x-2)/(x+1)^2/(x^4-x^3-3*x^2-2*x+1)^2$  ogf]  
A268792 5.33144 [  $(3*x^6+8*x^5+12*x^4+18*x^3+25*x^2+16*x+3)/(x^3+2*x^2+x-1)^2$  ogf]  
A268793 3.24805 [  $2*(5*x^{11}-42*x^9-46*x^8+88*x^7+212*x^6+102*x^5-98*x^4-112*x^3-8*x^2+27*x+6)/(x+1)^2/(x^4-x^3-3*x^2-2*x+1)^2$  ogf]  
A268803 5.49459 [  $(3*x^6+6*x^5+2*x^4-2*x^3+9*x^2+16*x+9)/(x^3+2*x^2+x-1)^2$  ogf]  
A268810 11.1596 [  $-(-3*x^4-4*x^3-5*x^2-2*x-4)/(-x^5-x^3+x^2+1)$  lgdogf]  
A268810 11.5730 [  $-2*x*(x^2+x+1)/(x^2+1)/(x-1)^3$  ogf]  
A268810 28.2733 [  $x^3-x^2-x+4$  ogf\_with\_Euler\_transform]  
A268839 13.0235 [  $-(22*x-12)/(11*x^2-12*x+1)$  lgdogf]  
A268839 19.3492 [  $9/(11*x-1)/(x-1)$  ogf]  
A268839 7.87466 [  $\{-a(n+2)+12*a(n+1)-11*a(n), a(0) = 9, a(1) = 108\}$ , ogf]  
A268866 3.21636 [  $-(13*x^2-x-2)/(4*x+1)/(4*x-1)/(x-1)$  ogf]  
A268881 6.33510 [  $-(-6*x^4+8*x^3-21*x^2+21*x-7)/(-6*x^5+19*x^4-26*x^3+21*x^2-8*x+1)$  lgdogf]  
A268881 7.99806 [  $-2*(2*x-1)*(x^2-x+1)/(3*x^2-5*x+1)^2$  ogf]  
A268882 4.37205 [  $(4*x^6-80*x^5+156*x^4-131*x^3+77*x^2-26*x+5)/(4*x^3-12*x^2+8*x-1)^2$  ogf]  
A268883 3.32290 [  $2*(74*x^8-835*x^7+2649*x^6-3086*x^5+1962*x^4-836*x^3+246*x^2-51*x+5)/(x-1)^2/(5*x^3-24*x^2+12*x-1)^2$  ogf]  
A268887 6.62399 [  $-(-4*x^4-26*x^3-66*x^2-66*x-14)/(-x^5-7*x^4-18*x^3-18*x^2-x+5)$  lgdogf]  
A268887 7.50719 [  $x*(x^2+4*x+5)/(x+1)^2/(x^2+2*x-1)^2$  ogf]  
A268888 4.54106 [  $-x*(x-2)*(2*x^4+6*x^3+13*x^2+17*x+10)/(x+1)/(x^4-6*x^2-2*x+1)^2$  ogf]  
A268896 7.88560 [  $-(5*x^5+x^4-3*x^3-5*x^2-3*x-1)/(x-1)/(2*x^3-1)/(x^2+x+1)$  ogf]  
A268898 12.6963 [  $3*(4*x+1)/(4*x-1)^2$  ogf]  
A268898 12.6963 [  $-(16*x+12)/(16*x^2-1)$  lgdogf]  
A268898 7.10388 [  $\{-a(n+2)+8*a(n+1)-16*a(n), a(0) = 3, a(1) = 36\}$ , ogf]  
A268899 11.8355 [  $-(12*x+14)/(12*x^2+4*x-1)$  lgdogf]  
A268899 12.3186 [  $12*(2*x+1)/(6*x-1)^2$  ogf]  
A268899 6.93805 [  $\{-a(n+2)+12*a(n+1)-36*a(n), a(0) = 12, a(1) = 168\}$ , ogf]  
A268900 4.63779 [  $\{-a(n+3)+18*a(n+2)-81*a(n+1), a(0) = 36, a(1) = 696, a(2) = 9720\}$ , ogf]  
A268900 8.36323 [  $-(54*x+58)/(81*x^3+27*x^2+23*x-3)$  lgdogf]  
A268900 8.64673 [  $12*(9*x^2+4*x+3)/(9*x-1)^2$  ogf]  
A268901 5.62672 [  $-24*(18*x^3-3*x^2+9*x-4)/(18*x^2-15*x+1)^2$  ogf]  
A268902 3.92200 [  $24*(1701*x^5-1485*x^4+93*x^3+262*x^2-95*x+10)/(81*x^3-90*x^2+25*x-1)^2$  ogf]  
A268905 10.3994 [  $12*x*(x-1)*(x-3)/(3*x-1)^2$  ogf]  
A268905 10.3994 [  $-(-10*x+14)/(3*x^3-13*x^2+13*x-3)$  lgdogf]  
A268905 5.28782 [  $\{-a(n+4)+6*a(n+3)-9*a(n+2), a(0) = 0, a(1) = 36, a(2) = 168, a(3) = 696\}$ , ogf]  
A268906 5.31715 [  $24*x*(37*x^4-47*x^3+35*x^2-34*x+10)/(2*x^2-5*x+1)^2$  ogf]  
A268936 5.47348 [  $-x^3*(3*x^6-20*x^5+57*x^4-91*x^3+116*x^2+105*x+10)/(x-1)^7$  ogf]  
A268938 11.9842 [  $-3*(2*x^2-1)/(2*x-1)/(3*x^2+x-1)$  ogf]  
A268938 6.04514 [  $\{a(n+3)-3*a(n+2)-a(n+1)+6*a(n), a(0) = 3, a(1) = 9, a(2) = 24\}$ , ogf]  
A268938 7.42501 [  $-(-12*x^4+12*x^2+2*x-3)/(-12*x^5+2*x^4+12*x^3-3*x^2-3*x+1)$  lgdogf]  
A268939 10.2404 [  $-4*(3*x^2+x-1)/(3*x-1)/(4*x^2+2*x-1)$  ogf]  
A268939 5.60995 [  $\{a(n+3)-5*a(n+2)+2*a(n+1)+12*a(n), a(0) = 4, a(1) = 16, a(2) =$

60}], ogf]

A268940 5.43597 [ {a(n+3)-7\*a(n+2)+7\*a(n+1)+20\*a(n), a(0) = 5, a(1) = 25, a(2) = 120}, ogf]

A268940 9.85269 [ -5\*(4\*x^2+2\*x-1)/(4\*x-1)/(5\*x^2+3\*x-1) ogf]

A268941 4.89046 [ {a(n+3)-9\*a(n+2)+14\*a(n+1)+30\*a(n), a(0) = 6, a(1) = 36, a(2) = 210}, ogf]

A268941 8.80283 [ -6\*(5\*x^2+3\*x-1)/(5\*x-1)/(6\*x^2+4\*x-1) ogf]

A268942 5.22983 [ {a(n+3)-11\*a(n+2)+23\*a(n+1)+42\*a(n), a(0) = 7, a(1) = 49, a(2) = 336}, ogf]

A268942 9.35030 [ -7\*(6\*x^2+4\*x-1)/(6\*x-1)/(7\*x^2+5\*x-1) ogf]

A268943 4.96563 [ {a(n+3)-13\*a(n+2)+34\*a(n+1)+56\*a(n), a(0) = 8, a(1) = 64, a(2) = 504}, ogf]

A268943 8.87794 [ -8\*(7\*x^2+5\*x-1)/(7\*x-1)/(8\*x^2+6\*x-1) ogf]

A268945 7.42558 [ -(x^4-5\*x^3+5\*x^2+13\*x+10)/(x-1)^5 ogf]

A268945 7.82914 [ -(x^4+6\*x^3-62\*x-63)/(-x^5+6\*x^4-10\*x^3-8\*x^2+3\*x+10) lgdogf]

A268946 6.09042 [ (x^5-6\*x^4-8\*x^3+44\*x^2+75\*x+14)/(x-1)^6 ogf]

A268947 4.99417 [ -2\*(x^6-7\*x^5-19\*x^4+18\*x^3+235\*x^2+121\*x+11)/(x-1)^7 ogf]

A268948 3.91936 [ 3\*(x^7-8\*x^6-55\*x^5-110\*x^4+675\*x^3+924\*x^2+243\*x+10)/(x-1)^8 ogf]

A268965 11.5340 [ -(-16\*x+20)/(-16\*x^2+16\*x-3) lgdogf]

A268965 12.7611 [ -3\*(4\*x-3)/(4\*x-1)^2 ogf]

A268965 7.14012 [ {-a(n+2)+8\*a(n+1)-16\*a(n), a(0) = 9, a(1) = 60}, ogf]

A268966 11.8932 [ -(-12\*x+10)/(-12\*x^2+8\*x-1) lgdogf]

A268966 12.3787 [ -24\*(2\*x-1)/(6\*x-1)^2 ogf]

A268966 6.97190 [ {-a(n+2)+12\*a(n+1)-36\*a(n), a(0) = 24, a(1) = 240}, ogf]

A268967 4.62098 [ {-a(n+3)+18\*a(n+2)-81\*a(n+1), a(0) = 60, a(1) = 912, a(2) = 11664}, ogf]

A268967 8.14173 [ -(-108\*x+76)/(81\*x^3-135\*x^2+59\*x-5) lgdogf]

A268967 8.54882 [ 12\*(9\*x-5)\*(x-1)/(9\*x-1)^2 ogf]

A268968 5.35908 [ -144\*(12\*x^3-14\*x^2+7\*x-1)/(18\*x^2-15\*x+1)^2 ogf]

A268969 3.39824 [ 24\*(243\*x^5+1674\*x^4-2391\*x^3+1115\*x^2-214\*x+14)/(81\*x^3-90\*x^2+25\*x-1)^2 ogf]

A268972 10.0037 [ 3\*(x-3)\*(4\*x^2-x-1)/(3\*x-1)^2 ogf]

A268972 5.29608 [ {a(n+4)-6\*a(n+3)+9\*a(n+2), a(0) = 9, a(1) = 60, a(2) = 240, a(3) = 912}, ogf]

A268972 7.24406 [ -(12\*x^3-12\*x^2+20\*x-20)/(-12\*x^4+43\*x^3-19\*x^2-7\*x+3) lgdogf]

A268973 5.24999 [ 3\*(280\*x^5-332\*x^4+236\*x^3-187\*x^2+22\*x+9)/(2\*x^2-5\*x+1)^2 ogf]

A268989 7.98608 [ -(x^3-7\*x^2+11\*x-4)/(x^2-3\*x+1)^2 ogf]

A268990 7.74622 [ -(16\*x^3-41\*x^2+35\*x-7)/(3\*x^2-5\*x+1)^2 ogf]

A268991 4.30841 [ (4\*x^6-112\*x^5+312\*x^4-407\*x^3+301\*x^2-105\*x+13)/(4\*x^3-12\*x^2+8\*x-1)^2 ogf]

A268992 3.30252 [ (168\*x^8-1951\*x^7+6644\*x^6-9078\*x^5+7607\*x^4-4483\*x^3+1646\*x^2-320\*x+23)/(x-1)^2/(5\*x^3-24\*x^2+12\*x-1)^2 ogf]

A268996 6.20912 [ -(x^5+7\*x^4+16\*x^3+11\*x^2-5\*x-4)/(x+1)^2/(x^2+2\*x-1)^2 ogf]

A268997 3.64301 [ -(x^8+2\*x^7-9\*x^6-25\*x^5+20\*x^4+81\*x^3+45\*x^2-17\*x-8)/(x+1)/(x^4-6\*x^2-2\*x+1)^2 ogf]

A269006 5.47957 [ 2\*(3\*x-1)\*(x-1)\*(3\*x^2-2\*x+1)/(3\*x^3+3\*x^2-5\*x+1)^2 ogf]

A269007 4.68083 [ (4\*x^6+16\*x^5+60\*x^4-124\*x^3+73\*x^2-24\*x+5)/(8\*x^3+2\*x^2-6\*x+1)^2 ogf]

A269012 12.9516 [ 4\*x/(3\*x^2+x-1)^2 ogf]

A269012 14.0088 [ -(-12\*x-2)/(-3\*x^2-x+1) lgdogf]

A269012 4.57622 [ {(-2-n)\*a(n+3)+(n+3)\*a(n+2)+(12+3\*n)\*a(n+1), a(0) = 0, a(1) = 4, a(2) = 8}, ogf]

A269013 6.60103 [ x\*(x^2-14\*x+15)/(5\*x^3-6\*x^2-2\*x+1)^2 ogf]

A269014 4.44751 [ -8\*x\*(12\*x^3+13\*x^2-4\*x-6)/(18\*x^4+7\*x^3-16\*x^2-2\*x+1)^2 ogf]

A269019 12.9493 [ (5\*x^2-5\*x+2)/(x-1)/(2\*x-1)/(x+1) ogf]

A269019 7.05272 [ {-a(n+3)+2\*a(n+2)+a(n+1)-2\*a(n), a(0) = 2, a(1) = -1, a(2) = 5}, ogf]

A269019 7.66898 [ -(-10\*x^4+20\*x^3-27\*x^2+14\*x-1)/

$(-10*x^5+15*x^4+x^3-13*x^2+9*x-2)$  lgdogf]  
A269025 12.6074  $[-(120*x-61)/(60*x^2-61*x+1)$  lgdogf]  
A269025 19.0913  $[1/(60*x-1)/(x-1)$  ogf]  
A269025 7.86111  $[{-a(n+2)+61*a(n+1)-60*a(n), a(0) = 1, a(1) = 61},$  ogf]  
A269028 13.3824  $[-(39*x-1)/(x^2-40*x+1)$  ogf]  
A269028 7.57799  $[{a(n+2)-40*a(n+1)+a(n), a(0) = 1, a(1) = 1},$  ogf]  
A269028 8.98533  $[{-(-39*x^2+2*x-1)/(-39*x^3+1561*x^2-79*x+1)}$  lgdogf]  
A269030 6.05453  $[12*(4*x^4-16*x^3+18*x^2-6*x+1)/(2*x^2-5*x+1)^2$  ogf]  
A269031 6.24221  $[6*(105*x^4-274*x^3+199*x^2-48*x+6)/(4*x^2-7*x+1)^2$  ogf]  
A269036 11.7834  $[-(4*x^2-8*x-2)/(2*x^3-3*x+1)$  lgdogf]  
A269036 3.60585  $[{(n+3)*a(n+4)+(-8-3*n)*a(n+3)-8*a(n+2)+(4+2*n)*a(n+1), a(0) = 0, a(1) = 24, a(2) = 48, a(3) = 216},$  ogf]  
A269036 9.70397  $[24*x*(x-1)^2/(2*x^2+2*x-1)^2$  ogf]  
A269037 4.45318  $[6*x*(4*x^6-16*x^5-3*x^4+40*x^3+33*x^2-62*x+20)/(2*x^3-4*x^2-3*x+1)^2$  ogf]  
A269044 10.8139  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 7, a(1) = 20},$  ogf]  
A269044 18.3175  $[-(6*x+20)/(6*x^2+x-7)$  lgdogf]  
A269044 19.9457  $[(6*x+7)/(x-1)^2$  ogf]  
A269047 6.05388  $[6*(2*x-1)*(x-1)*(4*x^2-11*x+4)/(2*x^2-5*x+1)^2$  ogf]  
A269048 6.24221  $[6*(105*x^4-290*x^3+243*x^2-80*x+10)/(4*x^2-7*x+1)^2$  ogf]  
A269053 9.47530  $[3*(8*x^3-22*x^2+2*x+3)/(2*x^2+2*x-1)^2$  ogf]  
A269054 4.40251  $[3*(8*x^7-24*x^6-38*x^5+82*x^4+148*x^3-141*x^2+4*x+9)/(2*x^3-4*x^2-3*x+1)^2$  ogf]  
A269059 11.0442  $[(2*x^2-1)^2/(2*x-1)^2/(x-1)^2$  ogf]  
A269059 12.5502  $[-(12*x^2+16*x-6)/(-4*x^4+6*x^3-3*x+1)$  lgdogf]  
A269064 7.81580  $[x*(x^6+5*x^5+2*x^4+8*x^3+2*x^2+2*x+1)/(x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A269070 5.31025  $[-(9*x^5+9*x^4+24*x^3-70*x^2+43*x-7)/(3*x^3+3*x^2-5*x+1)^2$  ogf]  
A269071 4.69098  $[(4*x^6-48*x^5-20*x^4-28*x^3+129*x^2-80*x+13)/(8*x^3+2*x^2-6*x+1)^2$  ogf]  
A269076 7.47115  $[-(27*x^4-81*x^3+21*x+11)/(-27*x^5-54*x^4+3*x^3+30*x^2+x-4)$  lgdogf]  
A269076 9.09947  $[-(9*x^3+15*x^2-3*x-4)/(3*x^2+x-1)^2$  ogf]  
A269077 5.63278  $[-(25*x^5-35*x^4-45*x^3+69*x^2-8)/(5*x^3-6*x^2-2*x+1)^2$  ogf]  
A269078 3.55183  $[-(324*x^7+576*x^6-275*x^5-691*x^4+104*x^3+267*x^2-25*x-16)/(18*x^4+7*x^3-16*x^2-2*x+1)^2$  ogf]  
A269083 6.29755  $[-(x^5+5*x^4+9*x^3+4*x^2-3*x-4)/(x^3+2*x^2+x-1)^2$  ogf]  
A269084 3.74102  $[-(x^9+x^8-8*x^7-13*x^6+15*x^5+60*x^4+56*x^3+9*x^2-16*x-7)/(x+1)^2/(x^4-x^3-3*x^2-2*x+1)^2$  ogf]  
A269091 10.4802  $[-(72*x+24)/(7*x^3+69*x^2-3*x-1)$  lgdogf]  
A269091 11.0416  $[4*(x^2+10*x+1)/(7*x-1)^2$  ogf]  
A269091 5.72530  $[{-a(n+3)+14*a(n+2)-49*a(n+1), a(0) = 4, a(1) = 96, a(2) = 1152},$  ogf]  
A269092 5.04441  $[24*(9*x^4+33*x^3-46*x^2+12*x+1)/(27*x^2-18*x+1)^2$  ogf]  
A269093 3.18467  $[12*(7371*x^6-1070*x^5-16701*x^4+13928*x^3-3039*x^2+142*x+9)/(263*x^3-267*x^2+45*x-1)^2$  ogf]  
A269098 11.1165  $[(x+1)*(x^4-x^3+2*x^2+x+1)/(x^2+x+1)^2/(x-1)^2$  ogf]  
A269100 10.7815  $[{-a(n+2)+2*a(n+1)-a(n), a(0) = 11, a(1) = 24},$  ogf]  
A269100 18.1129  $[-(2*x+24)/(2*x^2+9*x-11)$  lgdogf]  
A269100 19.6879  $[(2*x+11)/(x-1)^2$  ogf]  
A269103 10.5018  $[-(75*x+45)/(7*x^3-78*x^2+39*x-4)$  lgdogf]  
A269103 11.0546  $[4*(x^2-11*x+4)/(7*x-1)^2$  ogf]  
A269103 5.72827  $[{-a(n+3)+14*a(n+2)-49*a(n+1), a(0) = 16, a(1) = 180, a(2) = 1740},$  ogf]  
A269104 5.09436  $[12*(18*x^4-69*x^3+79*x^2-35*x+5)/(27*x^2-18*x+1)^2$  ogf]  
A269105 3.18467  $[12*(7371*x^6-17639*x^5+16426*x^4-7828*x^3+2217*x^2-325*x+18)/(263*x^3-267*x^2+45*x-1)^2$  ogf]  
A269112 9.38566  $[-(3*x^4-4*x^3+8*x^2-4*x+3)/(x^2+1)/(x-1)^3$  ogf]  
A269132 8.63435  $[x*(x+1)*(x^4-2*x^3+x^2-x-1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A269137 6.54320  $[4*(x^4-x^3-x^2-11*x+4)/(x^2-6*x+1)^2$  ogf]  
A269146 7.03793  $[4*(x-1)*(x^3+x^2-9*x-1)/(x^2-6*x+1)^2$  ogf]

A269180 3.34139 [  $\{(-2^n \cdot 6^n) \cdot a(n) + (-5^n \cdot 10^n + 16) \cdot a(n+1) + (n^2 + n - 2) \cdot a(n+2), a(0) = 4, a(1) = 48, a(2) = 384, a(3) = 2736\}$ , ogf]
  
A269180 6.68278 [  $4 \cdot (2^{x+1})^2 \cdot (x-1)^2 / (2^{x^2+5x-1})^2$  ogf]
  
A269180 8.68761 [  $-(24x^2+12) / (-4x^4-8x^3+9x^2+4x-1)$  lgdogf]
  
A269188 6.01553 [  $4 \cdot (4x^4-4x^3-9x^2-13x+4) / (2^{x^2+5x-1})^2$  ogf]
  
A269196 4.85856 [  $12 \cdot (6x-1) \cdot (12x^3-28x^2+13x-5) / (6x^2-15x+1)^2$  ogf]
  
A269197 3.95859 [  $12 \cdot (897x^6-4951x^5+10756x^4-8158x^3+2265x^2-315x+18) / (x-1)^2 / (5x^2-30x+1)^2$  ogf]
  
A269202 6.88177 [  $4 \cdot (18x^3-77x^2+5x+4) / (x+1)^2 / (6x-1)^2$  ogf]
  
A269209 4.90157 [  $24 \cdot (36x^4-84x^3+29x^2+2x+1) / (6x^2-15x+1)^2$  ogf]
  
A269210 3.98881 [  $12 \cdot (897x^6-4926x^5+10471x^4-7188x^3+1263x^2-14x+9) / (x-1)^2 / (5x^2-30x+1)^2$  ogf]
  
A269215 7.12481 [  $96x \cdot (x-1)^2 / (x+1)^2 / (6x-1)^2$  ogf]
  
A269215 8.74409 [  $-(12x^2-24x-8) / (6x^3-x^2-6x+1)$  lgdogf]
  
A269222 14.0604 [  $-(9x^3+8x^2+9x+1) / (x-1) / (x+1) / (x^2+1)$  ogf]
  
A269226 10.4712 [  $-3 \cdot (x^4+2x^3+2x+1) / (x-1) / (x^2+x+1) / (x^2-x+1)$  ogf]
  
A269232 11.5140 [  $-(x^2-17x-2) / (x-1)^4$  ogf]
  
A269232 11.8527 [  $-(-2x^2+49x+25) / (-x^3+18x^2-15x-2)$  lgdogf]
  
A269232 3.95090 [  $\{(-2^n \cdot 8^n) \cdot a(n+4) + (-20-15^n) \cdot a(n+3) + (85+18^n) \cdot a(n+2) + (-3-n) \cdot a(n+1), a(0) = 2, a(1) = 25, a(2) = 87, a(3) = 206\}$ , ogf]
  
A269237 10.9343 [  $-(2x^3+90x^2+174x+34) / (x^4+28x^3-28x-1)$  lgdogf]
  
A269237 4.51258 [  $\{(-13^n \cdot 2-88^n \cdot 147) \cdot a(n+1) + (26^n \cdot 2+156^n \cdot 310) \cdot a(n+2) + (-13^n \cdot 2-68^n \cdot 87) \cdot a(n+3), a(0) = 1, a(1) = 34, a(2) = 189\}$ , ogf]
  
A269237 9.58290 [  $-(x+1) \cdot (x^2+28x+1) / (x-1)^5$  ogf]
  
A269255 10.6756 [  $-(42x^2-8x-1) / (x-1) / (3x-1) / (12x-1) / (4x-1)$  ogf]
  
A269266 12.0514 [  $-(16x^4+8x^3+4x^2+2x+1) / (x-1) / (x^4+x^3+x^2+x+1)$  ogf]
  
A269270 11.1558 [  $4 \cdot (9x+1) / (9x-1)^2$  ogf]
  
A269270 11.3931 [  $-(81x+27) / (81x^2-1)$  lgdogf]
  
A269270 6.22648 [  $\{-a(n+2)+18a(n+1)-81a(n), a(0) = 4, a(1) = 108\}$ , ogf]
  
A269271 10.2191 [  $-(315x+57) / (315x^2+6x-1)$  lgdogf]
  
A269271 10.6198 [  $24 \cdot (15x+1) / (21x-1)^2$  ogf]
  
A269271 6.08551 [  $\{-a(n+2)+42a(n+1)-441a(n), a(0) = 24, a(1) = 1368\}$ , ogf]
  
A269272 4.19521 [  $\{-a(n+3)+98a(n+2)-2401a(n+1), a(0) = 108, a(1) = 13896, a(2) = 1104264\}$ , ogf]
  
A269272 7.27993 [  $-(4606x+386) / (2401x^3+4459x^2+55x-3)$  lgdogf]
  
A269272 7.61592 [  $36 \cdot (49x^2+92x+3) / (49x-1)^2$  ogf]
  
A269273 3.89093 [  $72 \cdot (1302x^3-1677x^2+367x+6) / (294x^2-117x+1)^2$  ogf]
  
A269277 10.4037 [  $-(-26x+38) / (7x^3-29x^2+25x-3)$  lgdogf]
  
A269277 5.03404 [  $\{-a(n+4)+14a(n+3)-49a(n+2), a(0) = 0, a(1) = 108, a(2) = 1368, a(3) = 13896\}$ , ogf]
  
A269277 9.75345 [  $36x \cdot (x-1) \cdot (x-3) / (7x-1)^2$  ogf]
  
A269278 4.07274 [  $-36x \cdot (756x^5-2061x^4+1698x^3-812x^2+318x-45) / (27x^2-18x+1)^2$  ogf]
  
A269284 10.6729 [  $-12 \cdot (33x-5) / (21x-1)^2$  ogf]
  
A269284 6.11593 [  $\{-a(n+2)+42a(n+1)-441a(n), a(0) = 60, a(1) = 2124\}$ , ogf]
  
A269284 9.71996 [  $-(-693x+177) / (-693x^2+138x-5)$  lgdogf]
  
A269285 4.19521 [  $\{-a(n+3)+98a(n+2)-2401a(n+1), a(0) = 216, a(1) = 19188, a(2) = 1363572\}$ , ogf]
  
A269285 7.17442 [  $-(-2597x+533) / (2401x^3-2744x^2+349x-6)$  lgdogf]
  
A269285 7.61592 [  $36 \cdot (49x-6) \cdot (x-1) / (49x-1)^2$  ogf]
  
A269286 3.89093 [  $-252 \cdot (636x^3-300x^2+49x-3) / (294x^2-117x+1)^2$  ogf]
  
A269290 5.02425 [  $\{a(n+4)-14a(n+3)+49a(n+2), a(0) = 16, a(1) = 216, a(2) = 2124, a(3) = 19188\}$ , ogf]
  
A269290 7.11298 [  $-(63x^3-27x^2+72x-54) / (-63x^4+212x^3-15x^2-30x+4)$  lgdogf]
  
A269290 9.44858 [  $4 \cdot (9x^3-29x^2-2x+4) / (7x-1)^2$  ogf]
  
A269291 4.04125 [  $-4 \cdot (6804x^6-17091x^5+13581x^4-5553x^3+1593x^2-72x-16) / (27x^2-18x+1)^2$  ogf]
  
A269328 7.22272 [  $-(2x^{13}+x^8-5x^7+2x^6+5x^5-6x^4-3x^3-2x-5) / (x-1)^2 / (x^4+x^3+x^2+x+1)^2$  ogf]
  
A269342 11.4094 [  $-(x^2-14x-3) / (x-1)^4$  ogf]

A269342 11.7449  $[-(-2*x^2+40*x+26)/(-x^3+15*x^2-11*x-3) \text{ lgdogf}]$   
A269342 3.91498  $[\{(-3*n-12)*a(n+4)+(-7-11*n)*a(n+3)+(70+15*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 3, a(1) = 26, a(2) = 85, a(3) = 196\}, \text{ ogf}]$   
A269352 12.8450  $[-(x^{10}+9*x+1)/(x-1)/(x^2+1)/(x^8-x^6+x^4-x^2+1) \text{ ogf}]$   
A269403 9.63561  $[-x*(x^3+2*x^2-x+2)/(x+1)/(x^2+1)/(x-1)^3 \text{ ogf}]$   
A269410 10.8604  $[-(3*x^2-22*x-21)/(x^3-7*x^2+3*x+3) \text{ lgdogf}]$   
A269410 3.51365  $[\{(-3*n-12)*a(n+4)+(12-3*n)*a(n+3)+(36+7*n)*a(n+2)+(-4-n)*a(n+1), a(0) = 9, a(1) = 63, a(2) = 222, a(3) = 570\}, \text{ ogf}]$   
A269410 8.95981  $[3*(x^2-6*x-3)/(x-1)^5 \text{ ogf}]$   
A269411 7.07473  $[-3*(3*x^3-10*x^2-29*x-4)/(x-1)^6 \text{ ogf}]$   
A269411 8.05055  $[-(-9*x^3+31*x^2+165*x+53)/(-3*x^4+13*x^3+19*x^2-25*x-4) \text{ lgdogf}]$   
A269412 5.70168  $[2*(9*x^4+5*x^3-225*x^2-141*x-8)/(x-1)^7 \text{ ogf}]$   
A269413 4.46035  $[-(27*x^5+296*x^4-1510*x^3-3036*x^2-797*x-20)/(x-1)^8 \text{ ogf}]$   
A269416 11.8488  $[-(2*x^2-7*x+3)/(x^3-2*x^2-x+2) \text{ lgdogf}]$   
A269416 14.3080  $[3*(x-2)/(x-1)/(x+1)^2 \text{ ogf}]$   
A269416 6.71084  $[\{a(n+3)+a(n+2)-a(n+1)-a(n), a(0) = 6, a(1) = -9, a(2) = 15\}, \text{ ogf}]$   
A269428 10.0215  $[-x*(4*x-1)/(x-1)/(x+1)^4 \text{ ogf}]$   
A269428 11.0844  $[-(16*x^2-17*x+7)/(4*x^3-x^2-4*x+1) \text{ lgdogf}]$   
A269429 10.1742  $[-x*(5*x-1)/(x-1)/(x+1)^4 \text{ ogf}]$   
A269429 11.2532  $[-(20*x^2-20*x+8)/(5*x^3-x^2-5*x+1) \text{ lgdogf}]$   
A269429 3.75108  $[\{(n+3)*a(n+4)+(-2-5*n)*a(n+3)+(-21-n)*a(n+2)+(20+5*n)*a(n+1), a(0) = 0, a(1) = -1, a(2) = 8, a(3) = -22\}, \text{ ogf}]$   
A269431 3.15165  $[-(x^9+20*x^8+155*x^7+560*x^6+810*x^5+120*x^4-810*x^3+400*x^2-75*x+5)/(x^2+4*x-1)^5 \text{ ogf}]$   
A269436 7.06158  $[-(-x^4+6*x^3-15*x^2-32*x-78)/(-x^5+6*x^4-15*x^3+7*x^2-12*x+15) \text{ lgdogf}]$   
A269436 7.42558  $[-(x^4-5*x^3+10*x^2+3*x+15)/(x-1)^5 \text{ ogf}]$   
A269437 6.03791  $[-(x^5-6*x^4+19*x^3-52*x^2-54*x-28)/(x-1)^6 \text{ ogf}]$   
A269438 5.06816  $[-(x^6-7*x^5+5*x^4+14*x^3+391*x^2+265*x+51)/(x-1)^7 \text{ ogf}]$   
A269439 4.08015  $[-(x^7-8*x^6+76*x^5-8*x^4-1355*x^3-2668*x^2-986*x-92)/(x-1)^8 \text{ ogf}]$   
A269440 10.2759  $[-x*(6*x-1)/(x-1)/(x+1)^4 \text{ ogf}]$   
A269440 11.3658  $[-(24*x^2-23*x+9)/(6*x^3-x^2-6*x+1) \text{ lgdogf}]$   
A269440 3.78859  $[\{(n+3)*a(n+4)+(-3-6*n)*a(n+3)+(-24-n)*a(n+2)+(24+6*n)*a(n+1), a(0) = 0, a(1) = -1, a(2) = 9, a(3) = -25\}, \text{ ogf}]$   
A269441 10.4285  $[-x*(7*x-1)/(x-1)/(x+1)^4 \text{ ogf}]$   
A269441 11.3624  $[-(28*x^2-26*x+10)/(7*x^3-x^2-7*x+1) \text{ lgdogf}]$   
A269441 3.82554  $[\{(n+3)*a(n+4)+(-4-7*n)*a(n+3)+(-27-n)*a(n+2)+(28+7*n)*a(n+1), a(0) = 0, a(1) = -1, a(2) = 10, a(3) = -28\}, \text{ ogf}]$   
A269445 14.6056  $[-x^{13}/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3 \text{ ogf}]$   
A269447 7.00240  $[(29*x^4+10*x^3-528*x^2-10*x-7)/(x-1)/(x^4-48*x^2+1) \text{ ogf}]$   
A269448 5.65002  $[(11*x^6+3*x^5+36*x^4-846*x^3-153*x^2-276*x-25)/(x-1)/(x^6-102*x^3+1) \text{ ogf}]$   
A269449 4.52308  $[(4*x^{12}+11*x^{11}+2*x^{10}+11*x^9+11*x^8+20*x^7-151*x^6-385*x^5-46*x^4-121*x^3-33*x^2-20*x-7)/(x-1)/(x^{12}-46*x^6+1) \text{ ogf}]$   
A269450 4.52336  $[\{(n+2)*a(n+1)-a(n+2)+(n+3)*a(n+3)-a(n+4), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 1\}, \text{ ogf}]$   
A269451 4.73850  $[(x^{12}+7*x^{11}+4*x^{10}+5*x^9+4*x^8+7*x^7-2*x^6-37*x^5-20*x^4-23*x^3-16*x^2-21*x-7)/(x-1)/(x^6+2*x^3-1)/(x^6-2*x^3-1) \text{ ogf}]$   
A269457 14.9601  $[5*(x-2)/(x-1)^3 \text{ ogf}]$   
A269457 16.8301  $[-(-2*x+5)/(-x^2+3*x-2) \text{ lgdogf}]$   
A269457 7.02472  $[\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 10, a(1) = 25, a(2) = 45\}, \text{ ogf}]$   
A269461 11.7956  $[-3*(3*x^2-1)/(2*x-1)/(4*x^2+x-1) \text{ ogf}]$   
A269461 5.95001  $[\{a(n+3)-3*a(n+2)-2*a(n+1)+8*a(n), a(0) = 3, a(1) = 9, a(2) = 24\}, \text{ ogf}]$

A269461 7.30816 [  $[-(-24*x^4+15*x^2+2*x-3)/(-24*x^5+6*x^4+17*x^3-5*x^2-3*x+1)$   
lgdogf]  
A269462 12.1922 [  $-4*(5*x^2+x-1)/(3*x-1)/(6*x^2+2*x-1)$  ogf]  
A269462 6.91308 [  $\{a(n+3)-5*a(n+2)+18*a(n), a(0) = 4, a(1) = 16, a(2) = 60\}$ , ogf]  
A269462 7.05862 [  $[-(-90*x^4-36*x^3+29*x^2+10*x-4)/(-90*x^5-18*x^4+43*x^3-6*x+1)$   
lgdogf]  
A269463 10.0459 [  $-5*(7*x^2+2*x-1)/(4*x-1)/(8*x^2+3*x-1)$  ogf]  
A269463 5.54255 [  $\{a(n+3)-7*a(n+2)+4*a(n+1)+32*a(n), a(0) = 5, a(1) = 25, a(2) =$   
 $120\}$ , ogf]  
A269464 4.94168 [  $\{a(n+3)-9*a(n+2)+10*a(n+1)+50*a(n), a(0) = 6, a(1) = 36, a(2) =$   
 $210\}$ , ogf]  
A269464 8.89502 [  $-6*(9*x^2+3*x-1)/(5*x-1)/(10*x^2+4*x-1)$  ogf]  
A269465 5.30600 [  $\{a(n+3)-11*a(n+2)+18*a(n+1)+72*a(n), a(0) = 7, a(1) = 49, a(2)$   
 $= 336\}$ , ogf]  
A269465 9.48648 [  $-7*(11*x^2+4*x-1)/(6*x-1)/(12*x^2+5*x-1)$  ogf]  
A269466 5.04048 [  $\{a(n+3)-13*a(n+2)+28*a(n+1)+98*a(n), a(0) = 8, a(1) = 64, a(2)$   
 $= 504\}$ , ogf]  
A269466 8.87727 [  $-8*(13*x^2+5*x-1)/(7*x-1)/(14*x^2+6*x-1)$  ogf]  
A269468 10.9133 [  $[-(-3*x^2+30*x+33)/(-x^3+9*x^2-3*x-5)$  lgdogf]  
A269468 3.51357 [  $\{(-5*n-20)*a(n+4)+(24-3*n)*a(n+3)+(48+9*n)*a(n+2)+(-4-n)*a(n$   
 $+1), a(0) = 10, a(1) = 66, a(2) = 228, a(3) = 580\}$ , ogf]  
A269468 8.89236 [  $2*(x^2-8*x-5)/(x-1)^5$  ogf]  
A269469 3.43332 [  $\{(-209*n^2-2029*n-4772)*a(n+1)+(598*n^2+5140*n+11194)*a(n$   
 $+2)+(-389*n^2-2211*n-3132)*a(n+3), a(0) = 14, a(1) = 174, a(2) = 852\}$ , ogf]  
A269469 7.07473 [  $-2*(x^3-9*x^2-45*x-7)/(x-1)^6$  ogf]  
A269469 8.05055 [  $[-(-3*x^3+33*x^2+243*x+87)/(-x^4+10*x^3+36*x^2-38*x-7)$  lgdogf]  
A269470 5.70168 [  $-2*(5*x^4-14*x^3+204*x^2+154*x+11)/(x-1)^7$  ogf]  
A269471 4.48242 [  $6*(9*x^5-23*x^4+190*x^3+498*x^2+161*x+5)/(x-1)^8$  ogf]  
A269488 7.46333 [  $-(2*x^4+8*x^3-9*x+3)/(2*x-1)/(2*x^2+2*x-1)/(x^2+2*x-1)$  ogf]  
A269489 6.33497 [  $-2*(x^4+11*x^3+8*x^2-10*x+2)/(3*x-1)/(x^4+9*x^3+6*x^2-6*x+1)$   
ogf]  
A269490 5.47481 [  $-(x^5-17*x^4-72*x^3-40*x^2+35*x-5)/$   
 $(x^6-20*x^5-75*x^4-24*x^3+43*x^2-12*x+1)$  ogf]  
A269491 4.02874 [  $-2*(7*x^6-22*x^5-286*x^4-182*x^3+183*x^2-42*x+3)/(5*x-1)/$   
 $(3*x^6-10*x^5-123*x^4-75*x^3+70*x^2-15*x+1)$  ogf]  
A269495 7.27557 [  $-(x^4-2*x^3+6*x^2+38*x+77)/(x^5-4*x^4+8*x^3+2*x^2+7*x-14)$   
lgdogf]  
A269495 7.50293 [  $-(x^4-3*x^3+5*x^2+7*x+14)/(x-1)^5$  ogf]  
A269496 5.98631 [  $-(x^5-10*x^4+18*x^3-34*x^2-71*x-24)/(x-1)^6$  ogf]  
A269497 5.03089 [  $(x^6-7*x^5-34*x^4+54*x^3-383*x^2-311*x-40)/(x-1)^7$  ogf]  
A269498 3.97815 [  $(x^7-18*x^6+207*x^5-122*x^4+903*x^3+2922*x^2+1081*x+66)/$   
 $(x-1)^8$  ogf]  
A269500 12.4466 [  $-(2*x-123)/(x^2-123*x+1)$  lgdogf]  
A269500 16.1806 [  $55*x/(x^2-123*x+1)$  ogf]  
A269500 7.70505 [  $\{a(n+2)-123*a(n+1)+a(n), a(0) = 0, a(1) = 55\}$ , ogf]  
A269509 4.47281 [  $\{(-n-2)*a(n+1)+a(n+2)+(-n-3)*a(n+3)+a(n+4), a(0) = 1, a(1) = 1,$   
 $a(2) = 0, a(3) = 0\}$ , ogf]  
A269511 6.95906 [  $(5*x^5+x^4+14*x^3+6*x^2+5*x+1)/(x^2+1)/(x+1)^3/(x-1)^4$  ogf]  
A269512 5.77335 [  $-(x^6+x^5-6*x^4-2*x^3-15*x^2-7*x-4)/(x^2+1)/(x-1)^2/(x+1)^3$   
ogf]  
A269531 7.44428 [  $-(4*x^4+7*x^3-9*x^2-3*x+3)/(2*x-1)/(2*x^2-1)/(x^2+2*x-1)$  ogf]  
A269532 6.54678 [  $-2*(17*x^4+19*x^3-8*x^2-6*x+2)/(3*x-1)/$   
 $(11*x^4+14*x^3-3*x^2-4*x+1)$  ogf]  
A269533 5.02907 [  $-(213*x^5+319*x^4-113*x^3-95*x^2+45*x-5)/$   
 $(13*x^4+24*x^3+x^2-6*x+1)/(4*x-1)^2$  ogf]  
A269534 3.84016 [  $-2*(354*x^6+821*x^5+387*x^4-188*x^3-75*x^2+33*x-3)/(5*x-1)/$   
 $(139*x^6+332*x^5+173*x^4-64*x^3-32*x^2+12*x-1)$  ogf]  
A269538 3.75146 [  $\{(20*n^2+189*n+387)*a(n+1)+(6*n^2+210*n+940)*a(n$   
 $+2)+(-26*n^2-215*n-411)*a(n+3), a(0) = 10, a(1) = 64, a(2) = 222\}$ , ogf]  
A269538 8.09304 [  $2*(x+1)*(x^2-2*x-5)/(x-1)^5$  ogf]  
A269538 9.73353 [  $-(2*x^3-30*x-32)/(x^4-2*x^3-6*x^2+2*x+5)$  lgdogf]



A269539 6.54578 [  $-2*(4*x^4-2*x^3-15*x^2-40*x-7)/(x-1)^6$  ogf]  
A269540 4.99417 [  $2*(x^6+6*x^5+21*x^4-38*x^3-207*x^2-132*x-11)/(x-1)^7$  ogf]  
A269541 3.95856 [  $-2*(2*x^7+22*x^6+88*x^5+93*x^4-982*x^3-1324*x^2-404*x-15)/(x-1)^8$  ogf]  
A269548 10.1239 [  $-(7*x^2-134*x-1)/(x-1)/(x^2-98*x+1)$  ogf]  
A269548 5.48380 [  $\{-a(n+3)+99*a(n+2)-99*a(n+1)+a(n), a(0) = -1, a(1) = -233, a(2) = -22961\}$ , ogf]  
A269548 5.62441 [  $-(7*x^4-268*x^3+12570*x^2+212*x-233)/(7*x^5-827*x^4+13958*x^3-13174*x^2+35*x+1)$  lgdogf]  
A269549 10.1239 [  $-(x^2-298*x+1)/(x-1)/(x^2-98*x+1)$  ogf]  
A269549 5.48380 [  $\{-a(n+3)+99*a(n+2)-99*a(n+1)+a(n), a(0) = 1, a(1) = -199, a(2) = -19799\}$ , ogf]  
A269549 5.57675 [  $(-(-x^4+596*x^3-29406*x^2+196*x+199)/(-x^5+397*x^4-29602*x^3+29602*x^2-397*x+1))$  lgdogf]  
A269550 10.1239 [  $-(5*x^2-228*x+7)/(x-1)/(x^2-98*x+1)$  ogf]  
A269550 5.48380 [  $\{-a(n+3)+99*a(n+2)-99*a(n+1)+a(n), a(0) = 7, a(1) = 465, a(2) = 45347\}$ , ogf]  
A269550 5.52988 [  $(-(-5*x^4+456*x^3-22098*x^2+1376*x-465)/(-5*x^5+723*x^4-23074*x^3+23270*x^2-921*x+7))$  lgdogf]  
A269551 11.7302 [  $(3*x^2+258*x-5)/(x-1)/(x^2-98*x+1)$  ogf]  
A269551 6.35385 [  $\{a(n+3)-99*a(n+2)+99*a(n+1)-a(n), a(0) = 5, a(1) = 237, a(2) = 22965\}$ , ogf]  
A269551 6.51677 [  $(- (3*x^4+516*x^3-25854*x^2+996*x-237)/(3*x^5-39*x^4-25250*x^3+26034*x^2-753*x+5))$  lgdogf]  
A269552 11.9135 [  $-(3*x^2-94*x+3)/(x-1)/(x^2-98*x+1)$  ogf]  
A269552 6.35385 [  $\{-a(n+3)+99*a(n+2)-99*a(n+1)+a(n), a(0) = 3, a(1) = 203, a(2) = 19803\}$ , ogf]  
A269552 6.63010 [  $(-(-3*x^4+188*x^3-9018*x^2+588*x-203)/(-3*x^5+391*x^4-9606*x^3+9606*x^2-391*x+3))$  lgdogf]  
A269553 10.1239 [  $-(5*x^2-138*x-3)/(x-1)/(x^2-98*x+1)$  ogf]  
A269553 5.48380 [  $\{a(n+3)-99*a(n+2)+99*a(n+1)-a(n), a(0) = -3, a(1) = -435, a(2) = -42763\}$ , ogf]  
A269553 5.57675 [  $(- (5*x^4-276*x^3+13158*x^2+604*x-435)/(5*x^5-633*x^4+14154*x^3-13370*x^2-159*x+3))$  lgdogf]  
A269554 10.1239 [  $(3*x^2+244*x+1)/(x-1)/(x^2-98*x+1)$  ogf]  
A269554 5.48380 [  $\{-a(n+3)+99*a(n+2)-99*a(n+1)+a(n), a(0) = -1, a(1) = -343, a(2) = -33861\}$ , ogf]  
A269554 5.62441 [  $(-(-3*x^4-488*x^3+24450*x^2+192*x-343)/(-3*x^5+53*x^4+23858*x^3-24054*x^2+145*x+1))$  lgdogf]  
A269555 11.7302 [  $(x^2+254*x-7)/(x-1)/(x^2-98*x+1)$  ogf]  
A269555 6.35385 [  $\{a(n+3)-99*a(n+2)+99*a(n+1)-a(n), a(0) = 7, a(1) = 439, a(2) = 42767\}$ , ogf]  
A269555 6.40724 [  $(-(x^4+508*x^3-25266*x^2+1388*x-439)/(x^5+155*x^4-25054*x^3+25838*x^2-947*x+7))$  lgdogf]  
A269556 11.7302 [  $-(7*x^2-148*x+5)/(x-1)/(x^2-98*x+1)$  ogf]  
A269556 6.35385 [  $\{-a(n+3)+99*a(n+2)-99*a(n+1)+a(n), a(0) = 5, a(1) = 347, a(2) = 33865\}$ , ogf]  
A269556 6.46154 [  $(-(-7*x^4+296*x^3-13974*x^2+976*x-347)/(-7*x^5+841*x^4-15350*x^3+15154*x^2-643*x+5))$  lgdogf]  
A269578 4.61564 [  $\{-a(n+4)+4*a(n+3)-2*a(n+2)-4*a(n+1)+a(n), a(0) = 3, a(1) = 9, a(2) = 27, a(3) = 79\}$ , ogf]  
A269578 8.63184 [  $-(x^3-3*x^2-3*x+3)/(x^4-4*x^3-2*x^2+4*x-1)$  ogf]  
A269579 4.59240 [  $(-(6*x^6+4*x^5-154*x^4-162*x^3+190*x^2-55*x+5)/(4*x-1)/(x^2+4*x-1)/(2*x^4-8*x^3-14*x^2+8*x-1))$  ogf]  
A269580 4.04319 [  $-2*(2*x^6-26*x^5-200*x^4-214*x^3+186*x^2-42*x+3)/(5*x-1)/(x^6-15*x^5-97*x^4-85*x^3+71*x^2-15*x+1)$  ogf]  
A269581 3.19647 [  $(4*x^8+111*x^7-253*x^6-4143*x^5-5405*x^4+4923*x^3-1365*x^2+161*x-7)/(6*x-1)/(x^8+24*x^7-76*x^6-840*x^5-866*x^4+792*x^3-212*x^2+24*x-1)$  ogf]  
A269584 7.42558 [  $-(x^4-7*x^3+15*x^2-x+16)/(x-1)^5$  ogf]  
A269585 6.03791 [  $-(x^5-2*x^4+20*x^3-70*x^2-37*x-32)/(x-1)^6$  ogf]

A269586 5.03089 [  $(x^6+9x^5+34x^4-78x^3-411x^2-211x-64)/(x-1)^7$  ogf]  
A269587 3.97292 [  $(x^7-46x^6-129x^5-116x^4+1919x^3+2418x^2+865x+128)/(x-1)^8$  ogf]  
A269601 9.16418 [  $-(11x^3-6x^2-6x+3)/(3x^2+x-1)/(2x-1)^2$  ogf]  
A269602 4.42190 [  $-(362x^6+748x^5+199x^4-262x^3-40x^2+40x-5)/(4x-1)/(86x^6+186x^5+64x^4-57x^3-13x^2+9x-1)$  ogf]  
A269603 3.88038 [  $-2*(393x^6+922x^5+420x^4-214x^3-72x^2+33x-3)/(5x-1)/(149x^6+360x^5+182x^4-72x^3-31x^2+12x-1)$  ogf]  
A269607 3.67582 [  $\{(50n^2+427n+831)*a(n+1)+(-137n^2-1062n-1979)*a(n+2)+(87n^2+487n+678)*a(n+3), a(0) = 8, a(1) = 62, a(2) = 222\}$ , ogf]  
A269607 8.14528 [  $-2*(x^3-4x^2+11x+4)/(x-1)^5$  ogf]  
A269607 8.63596 [  $-(-2x^3+9x^2-36x-31)/(-x^4+5x^3-15x^2+7x+4)$  lgdogf]  
A269608 6.48517 [  $2*(4x^4-11x^3+15x^2+47x+5)/(x-1)^6$  ogf]  
A269609 4.99417 [  $2*(x^6-12x^5+2x^4+50x^3-249x^2-146x-6)/(x-1)^7$  ogf]  
A269610 3.95856 [  $-2*(2x^7-6x^6-143x^5+321x^4-608x^3-1684x^2-395x-7)/(x-1)^8$  ogf]  
A269613 10.6823 [  $-3*(x^2+x-1)/(2x-1)/(2x^2+2x-1)$  ogf]  
A269613 5.76655 [  $\{-a(n+3)+4a(n+2)-2a(n+1)-4a(n), a(0) = 3, a(1) = 9, a(2) = 27\}$ , ogf]  
A269613 6.78771 [  $-(-4x^4-8x^3+6x^2+6x-3)/(-4x^5-6x^4+6x^3+5x^2-5x+1)$  lgdogf]  
A269614 4.99072 [  $-(7x^6+22x^5+54x^4+27x^3-76x^2+32x-4)/(3x-1)/(3x^6+9x^5+24x^4+9x^3-24x^2+9x-1)$  ogf]  
A269615 4.46483 [  $-(12x^6+40x^5+136x^4+163x^3-190x^2+55x-5)/(4x-1)/(4x^6+12x^5+45x^4+40x^3-45x^2+12x-1)$  ogf]  
A269620 3.81101 [  $\{(31n^2+266n+519)*a(n+1)+(-38n^2-160n+66)*a(n+2)+(7n^2-10n-93)*a(n+3), a(0) = 15, a(1) = 78, a(2) = 249\}$ , ogf]  
A269620 8.18501 [  $3*(x^3-3x^2-x-5)/(x-1)^5$  ogf]  
A269620 8.78391 [  $-(-2x^3+6x^2+10x+26)/(-x^4+4x^3-2x^2+4x-5)$  lgdogf]  
A269621 6.54578 [  $-2*(3x^4-x^3-21x^2-27x-14)/(x-1)^6$  ogf]  
A269622 4.41420 [  $(x^8-5x^7+14x^6-17x^5+86x^4-167x^3-314x^2-267x-51)/(x-1)^7$  ogf]  
A269623 3.51660 [  $(9x^9-62x^8+179x^7-340x^6+187x^5-370x^4+2141x^3+2200x^2+1004x+92)/(x-1)^8$  ogf]  
A269628 16.9979 [  $-(x^2-x-1)/(x^3-x^2-x+1)$  ogf\_with\_Euler\_transform]  
A269635 5.00112 [  $-(89x^6+151x^5+x^4-93x^3+20x-4)/(3x-1)/(29x^6+54x^5+9x^4-28x^3-3x^2+6x-1)$  ogf]  
A269636 4.34877 [  $-(273x^6+559x^5+189x^4-207x^3-50x^2+40x-5)/(4x-1)/(67x^6+144x^5+60x^4-45x^3-15x^2+9x-1)$  ogf]  
A269641 7.46651 [  $(x-3)*(x^3+x^2+7x+3)/(x-1)^5$  ogf]  
A269641 7.87676 [  $-(x^4+6x^2-64x-63)/(x^5-3x^4+6x^3-22x^2+9x+9)$  lgdogf]  
A269642 6.09042 [  $-(x^5+6x^4-6x^3-22x^2-87x-12)/(x-1)^6$  ogf]  
A269643 4.47190 [  $(x^8-5x^7+14x^6-2x^5+49x^4-85x^3-392x^2-284x-16)/(x-1)^7$  ogf]  
A269644 3.50334 [  $(6x^9-44x^8+123x^7-240x^6-31x^5-152x^4+1813x^3+2736x^2+809x+20)/(x-1)^8$  ogf]  
A269650 4.01741 [  $-(x^5-5x^4+14x^3-18x^2+12x-3)*(x^3-x^2+2x-1)/(x^3-2x^2+3x-1)^3$  ogf]  
A269657 7.06158 [  $-(-x^4+4x^3-12x^2-32x-79)/(-x^5+5x^4-12x^3+4x^2-11x+15)$  lgdogf]  
A269657 7.50293 [  $-(x^4-4x^3+8x^2+4x+15)/(x-1)^5$  ogf]  
A269658 6.09042 [  $-(x+1)*(x^4-7x^3+15x^2-43x-26)/(x-1)^6$  ogf]  
A269659 5.74959 [  $2*(2x^5-17x^4-158x^3-166x-21)/(x-1)^7$  ogf]  
A269660 4.00317 [  $2*(4x^7-26x^6+71x^5+48x^4+438x^3+1354x^2+599x+32)/(x-1)^8$  ogf]  
A269667 5.71869 [  $-x*(10x^{20}+x^{10}-9x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-9)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A269673 10.4926 [  $-4*(4x^2+x-1)/(3x-1)/(5x^2+2x-1)$  ogf]  
A269673 5.74812 [  $\{a(n+3)-5a(n+2)+a(n+1)+15a(n), a(0) = 4, a(1) = 16, a(2) =$

60}], ogf]

A269673 6.41781 [  $-(60x^4+30x^3-24x^2-10x+4)/(60x^5+19x^4-34x^3-2x^2+6x-1)$  lgdogf]

A269674 5.46261 [  $\{a(n+3)-7a(n+2)+6a(n+1)+24a(n), a(0) = 5, a(1) = 25, a(2) = 120\}$ , ogf]

A269674 9.90098 [  $-5*(5x^2+2x-1)/(4x-1)/(6x^2+3x-1)$  ogf]

A269675 4.91607 [  $\{a(n+3)-9a(n+2)+13a(n+1)+35a(n), a(0) = 6, a(1) = 36, a(2) = 210\}$ , ogf]

A269675 8.84892 [  $-6*(6x^2+3x-1)/(5x-1)/(7x^2+4x-1)$  ogf]

A269676 5.22983 [  $\{a(n+3)-11a(n+2)+22a(n+1)+48a(n), a(0) = 7, a(1) = 49, a(2) = 336\}$ , ogf]

A269676 9.35030 [  $-7*(7x^2+4x-1)/(6x-1)/(8x^2+5x-1)$  ogf]

A269677 4.99058 [  $\{a(n+3)-13a(n+2)+33a(n+1)+63a(n), a(0) = 8, a(1) = 64, a(2) = 504\}$ , ogf]

A269677 8.92255 [  $-8*(8x^2+5x-1)/(7x-1)/(9x^2+6x-1)$  ogf]

A269679 6.79510 [  $-2*(x^5-4x^4+5x^3-3x^2+8x+5)/(x-1)^5$  ogf]

A269680 5.55871 [  $-2*(2x^6-13x^5+36x^4-40x^3+7x^2-45x-7)/(x-1)^6$  ogf]

A269681 4.56134 [  $-2*(7x^7-46x^6+126x^5-239x^4+245x^3+102x^2+154x+11)/(x-1)^7$  ogf]

A269682 3.64005 [  $-2*(12x^8-101x^7+376x^6-617x^5+1013x^4-1759x^3-946x^2-483x-15)/(x-1)^8$  ogf]

A269684 12.4371 [  $-3*(x-1)/(2x-1)/(x^2+2x-1)$  ogf]

A269684 5.83335 [  $\{a(n+3)-4a(n+2)+3a(n+1)+2a(n), a(0) = 3, a(1) = 9, a(2) = 27\}$ , ogf]

A269684 8.23960 [  $-(-4x^3+3x^2+6x-3)/(-2x^4-x^3+7x^2-5x+1)$  lgdogf]

A269685 10.9929 [  $-4*(x^2+2x-1)/(3x-1)/(2x^2+3x-1)$  ogf]

A269685 5.88218 [  $\{-a(n+3)+6a(n+2)-7a(n+1)-6a(n), a(0) = 4, a(1) = 16, a(2) = 64\}$ , ogf]

A269685 6.70569 [  $-(-6x^4-24x^3-2x^2+16x-4)/(-6x^5-19x^4-2x^3+18x^2-8x+1)$  lgdogf]

A269686 5.49518 [  $\{a(n+3)-8a(n+2)+13a(n+1)+12a(n), a(0) = 5, a(1) = 25, a(2) = 125\}$ , ogf]

A269686 9.89132 [  $-5*(2x^2+3x-1)/(4x-1)/(3x^2+4x-1)$  ogf]

A269687 4.92519 [  $\{-a(n+3)+10a(n+2)-21a(n+1)-20a(n), a(0) = 6, a(1) = 36, a(2) = 216\}$ , ogf]

A269687 8.80564 [  $-6*(3x^2+4x-1)/(5x-1)/(4x^2+5x-1)$  ogf]

A269688 5.30600 [  $\{a(n+3)-12a(n+2)+31a(n+1)+30a(n), a(0) = 7, a(1) = 49, a(2) = 343\}$ , ogf]

A269688 9.48648 [  $-7*(4x^2+5x-1)/(6x-1)/(5x^2+6x-1)$  ogf]

A269689 5.04048 [  $\{a(n+3)-14a(n+2)+43a(n+1)+42a(n), a(0) = 8, a(1) = 64, a(2) = 512\}$ , ogf]

A269689 9.01177 [  $-8*(5x^2+6x-1)/(7x-1)/(6x^2+7x-1)$  ogf]

A269691 5.47186 [  $(8x^6-47x^5+114x^4-134x^3+98x^2+57x+24)/(x-1)^6$  ogf]

A269692 4.53113 [  $(20x^7-141x^6+427x^5-750x^4+718x^3-709x^2-245x-40)/(x-1)^7$  ogf]

A269693 3.63717 [  $(42x^8-337x^7+1184x^6-2323x^5+3268x^4-1919x^3+4240x^2+819x+66)/(x-1)^8$  ogf]

A269696 3.88933 [  $\{a(n+2)-4a(n+1), a(0) = 1, a(1) = 5\}$ , ogf]

A269696 7.56843 [  $-(x+1)/(4x-1)$  ogf]

A269696 7.77867 [  $-5/(4x^2+3x-1)$  lgdogf]

A269707 6.39711 [  $-3/(x-1)/(x^2+1)/(x^8+1)/(x^32+1)$  ogf]

A269708 4.51665 [  $-(4x^3+3x^2+2x-1)/(4x-1)/(3x-1)$  ogf]

A269712 3.81885 [  $(2x^2+x+1)/(2x-1)/(x-1)$  ogf]

A269716 4.63613 [  $(2x+1)*(4x^2-3x+1)/(4x-1)/(2x-1)$  ogf]

A269723 5.87668 [  $-x^2*(x^30-x^28+x^26-x^24+x^20-x^18+x^16-x^12+x^10-x^8+x^4-x^2+1)/(x-1)/(x^32+1)$  ogf]

A269726 7.19907 [  $-(987x^22-1034x^21+144x^9-162x^8+21x^4-28x^3+3x^2-6x-1)/(x-1)^2$  ogf]

A269730 20.6158 [  $-x/(-6x^2-5x-1)$  revogf]

A269730 5.38976 [ $\{(n+2)*a(n+1)+(-10*n-35)*a(n+2)+(n+5)*a(n+3), a(0) = 1, a(1) = 5, a(2) = 31\}$ , ogf]  
A269731 22.9426 [ $-x/(-12*x^2-7*x-1)$  revogf]  
A269731 6.14802 [ $\{(n+2)*a(n+1)+(-14*n-49)*a(n+2)+(n+5)*a(n+3), a(0) = 1, a(1) = 7, a(2) = 61\}$ , ogf]  
A269732 25.0839 [ $-x/(-20*x^2-9*x-1)$  revogf]  
A269732 6.67818 [ $\{(n+2)*a(n+1)+(-18*n-63)*a(n+2)+(n+5)*a(n+3), a(0) = 1, a(1) = 9, a(2) = 101\}$ , ogf]  
A269760 14.1337 [ $6*x/(5*x-1)^2$  ogf]  
A269760 19.0074 [ $10/(-5*x+1)$  lgdogf]  
A269760 6.64113 [ $\{a(n+2)-10*a(n+1)+25*a(n), a(0) = 0, a(1) = 6\}$ , ogf]  
A269761 4.70859 [ $\{-a(n+3)+42*a(n+2)-441*a(n+1), a(0) = 6, a(1) = 480, a(2) = 17520\}$ , ogf]  
A269761 8.29610 [ $-(800*x+80)/(21*x^3+797*x^2-17*x-1)$  lgdogf]  
A269761 9.01128 [ $6*(x^2+38*x+1)/(21*x-1)^2$  ogf]  
A269762 3.93264 [ $60*(225*x^4+1554*x^3-850*x^2+108*x+1)/(335*x^2-92*x+1)^2$  ogf]  
A269771 10.2289 [ $-4*(2*x^2+2*x-1)/(3*x-1)/(3*x^2+3*x-1)$  ogf]  
A269771 5.47336 [ $\{a(n+3)-6*a(n+2)+6*a(n+1)+9*a(n), a(0) = 4, a(1) = 16, a(2) = 64\}$ , ogf]  
A269772 5.04818 [ $\{a(n+3)-8*a(n+2)+12*a(n+1)+16*a(n), a(0) = 5, a(1) = 25, a(2) = 125\}$ , ogf]  
A269772 9.08672 [ $-5*(3*x^2+3*x-1)/(4*x-1)/(4*x^2+4*x-1)$  ogf]  
A269773 4.95057 [ $\{a(n+3)-10*a(n+2)+20*a(n+1)+25*a(n), a(0) = 6, a(1) = 36, a(2) = 216\}$ , ogf]  
A269773 8.85102 [ $-6*(4*x^2+4*x-1)/(5*x-1)/(5*x^2+5*x-1)$  ogf]  
A269774 5.30600 [ $\{a(n+3)-12*a(n+2)+30*a(n+1)+36*a(n), a(0) = 7, a(1) = 49, a(2) = 343\}$ , ogf]  
A269774 9.48648 [ $-7*(5*x^2+5*x-1)/(6*x-1)/(6*x^2+6*x-1)$  ogf]  
A269775 5.06543 [ $\{a(n+3)-14*a(n+2)+42*a(n+1)+49*a(n), a(0) = 8, a(1) = 64, a(2) = 512\}$ , ogf]  
A269775 9.05638 [ $-8*(6*x^2+6*x-1)/(7*x-1)/(7*x^2+7*x-1)$  ogf]  
A269777 3.66701 [ $\{(n^2-8*n-48)*a(n+1)+(38*n^2+447*n+1149)*a(n+2)+(-39*n^2-239*n-366)*a(n+3), a(0) = 24, a(1) = 222, a(2) = 984\}$ , ogf]  
A269777 7.07473 [ $6*(x^3+2*x^2+13*x+4)/(x-1)^6$  ogf]  
A269777 8.33807 [ $-(-3*x^3-11*x^2-69*x-37)/(-x^4-x^3-11*x^2+9*x+4)$  lgdogf]  
A269778 5.70168 [ $-8*(2*x^4+4*x^3+36*x^2+43*x+5)/(x-1)^7$  ogf]  
A269778 6.57886 [ $-(6*x^4+24*x^3+192*x^2+330*x+78)/(2*x^5+2*x^4+32*x^3+7*x^2-38*x-5)$  lgdogf]  
A269779 4.48242 [ $6*(6*x^5+27*x^4+152*x^3+442*x^2+202*x+11)/(x-1)^8$  ogf]  
A269782 7.24954 [ $-(4*x^{10}-8*x^8+4*x^7+4*x^6-3*x^4+24*x^3+2*x^2+4*x+1)/(x+1)^3/(x-1)^3$  ogf]  
A269792 10.2585 [ $-(2*x^3+36*x^2+66*x+16)/(x^4+10*x^3-10*x-1)$  lgdogf]  
A269792 4.38836 [ $\{(-4*n^2-17*n-18)*a(n+1)+(8*n^2+32*n+72)*a(n+2)+(-4*n^2-15*n-14)*a(n+3), a(0) = 0, a(1) = 5, a(2) = 80\}$ , ogf]  
A269792 8.49360 [ $-5*x*(x+1)*(x^2+10*x+1)/(x-1)^5$  ogf]  
A269796 19.6037 [ $-x/(-16*x^2-8*x-1)$  revogf]  
A269796 7.58258 [ $\{(-16*n-40)*a(n+1)+(n+4)*a(n+2), a(0) = 1, a(1) = 8\}$ , ogf]  
A269803 8.18290 [ $-(x^4-2*x^3-3*x^2+2*x+1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A269815 4.08188 [ $(12*x^3-16*x^2+2*x-1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A269819 10.2093 [ $(x+1)*(5*x^2-4*x+5)/(x^2+1)/(x-1)^2$  ogf]  
A269820 4.21406 [ $\{(2*n+4)*a(n+1)-a(n+2)+(2*n+6)*a(n+3)-a(n+4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5\}$ , ogf]  
A269822 16.0246 [ $5*x/(4*x-1)^2$  ogf]  
A269822 21.7477 [ $8/(-4*x+1)$  lgdogf]  
A269822 7.42604 [ $\{a(n+2)-8*a(n+1)+16*a(n), a(0) = 0, a(1) = 5\}$ , ogf]  
A269823 3.79771 [ $(720*x^6-480*x^5-1016*x^4+352*x^3+701*x^2+166*x+5)/(12*x^3+36*x^2+5*x-1)^2$  ogf]  
A269876 9.12804 [ $-(x^5+x^4+22*x^3+2*x^2+5*x+1)/(x+1)^3/(x-1)^3$  ogf]  
A269877 4.17419 [ $-8*x*(19750453248*x^5+8538456064*x^4+585181184*x^3+7953024*x^2+15104*x+1)/(16*x-1)^7$  ogf]

A269878 6.94866 [  $(x^5+x^4+22x^3+2x^2+5x+1)/(x+1)^3/(x-1)^4$  ogf]  
A269879 9.50899 [  $4*(6x^2+x+1)/(x-1)^2/(x+1)^3$  ogf]  
A269879 9.50899 [  $-(-18x^3+2x^2-16x)/(-6x^4-x^3+5x^2+x+1)$  lgdogf]  
A269882 5.68521 [  $6*(4x^2+44x+1)*(x-1)^2/(14x^2+15x-1)^2$  ogf]  
A269895 15.2091 [  $7x/(6x-1)^2$  ogf]  
A269895 20.4536 [  $12/(-6x+1)$  lgdogf]  
A269895 7.14645 [  $\{a(n+2)-12a(n+1)+36a(n), a(0) = 0, a(1) = 7\}$ , ogf]  
A269896 5.17214 [  $\{-a(n+3)+62a(n+2)-961a(n+1), a(0) = 7, a(1) = 840, a(2) = 45360\}$ , ogf]  
A269896 8.69859 [  $-(1800x+120)/(31x^3+1797x^2-27x-1)$  lgdogf]  
A269896 9.89840 [  $7*(x^2+58x+1)/(31x-1)^2$  ogf]  
A269897 3.45698 [  $42*(1152x^4+9795x^3-4154x^2+420x+2)/(774x^2-165x+1)^2$  ogf]  
A269906 9.10651 [  $(4x^5-x^4-32x^3+2x^2-4x-1)/(x+1)^3/(x-1)^3$  ogf]  
A269907 4.15889 [  $(40x^3-30x^2+3x-1)/(2x-1)/(4x-1)/(x-1)$  ogf]  
A269908 6.91678 [  $-(4x^5-x^4-32x^3+2x^2-4x-1)/(x+1)^3/(x-1)^4$  ogf]  
A269909 7.59995 [  $-(5x^5-5x^4-82x^3+34x^2-83x+3)/(5x^6-39x^4+31x^2+3)$  lgdogf]  
A269909 8.99018 [  $-(5x^4-34x^2-3)/(x-1)^2/(x+1)^3$  ogf]  
A269910 9.10651 [  $(3x^5-x^4-30x^3+2x^2-5x-1)/(x+1)^3/(x-1)^3$  ogf]  
A269911 4.15889 [  $(32x^3-24x^2+2x-1)/(2x-1)/(4x-1)/(x-1)$  ogf]  
A269912 6.91678 [  $-(3x^5-x^4-30x^3+2x^2-5x-1)/(x+1)^3/(x-1)^4$  ogf]  
A269913 7.84250 [  $-(x^5-x^4-20x^3+8x^2-21x+1)/(x^6-9x^4+7x^2+1)$  lgdogf]  
A269913 8.99018 [  $-4*(x^4-8x^2-1)/(x-1)^2/(x+1)^3$  ogf]  
A269914 8.33050 [  $(x+1)*(x^2+x+1)/(2x^2+2x-1)/(x^4+3x^3+3x^2+x-1)$  ogf]  
A269915 5.58128 [  $(x+1)*(x^2+x+1)*(x^2+1)/(x^6+3x^5+5x^4+5x^3+3x^2+x-1)/(2x^3+2x^2+2x-1)$  ogf]  
A269916 4.29184 [  $(x+1)*(x^2+1)*(x^4+x^3+x^2+x+1)/(x^8+3x^7+5x^6+7x^5+7x^4+5x^3+3x^2+x-1)/(2x^4+2x^3+2x^2+2x-1)$  ogf]  
A269932 3.51173 [  $(2800x^6+20160x^5-42600x^4+19736x^3+8199x^2+690x+7)/(140x^3+192x^2+15x-1)^2$  ogf]  
A269962 8.88313 [  $-(x+1)*(2x^3-2x^2-1)/(x-1)/(2x^4-2x^2+3x-1)$  ogf]  
A269963 9.32689 [  $-(2x^3+2x^2+1)/(x+1)/(2x^4-2x^2+3x-1)$  ogf]  
A269964 8.88860 [  $-(2x^4-x^2+2x-1)/(x-1)/(x+1)/(2x^4-2x^2+3x-1)$  ogf]  
A269965 9.70844 [  $(2x^3+2x^2+1)/(x-1)/(x+1)/(2x^4-2x^2+3x-1)$  ogf]  
A270006 6.61639 [  $-(x^7-x^6-2x^5+3x^4+25x^3-3x^2+8x+1)/(x+1)^3/(x-1)^3$  ogf]  
A270007 3.79038 [  $-(8x^4-14x^3+7x^2+x+1)/(2x-1)/(4x-1)/(x-1)$  ogf]  
A270008 6.09090 [  $(x^7-x^6-2x^5+3x^4+25x^3-3x^2+8x+1)/(x+1)^3/(x-1)^4$  ogf]  
A270009 6.70177 [  $(x^6-x^5-3x^4+2x^3+27x^2-x+7)/(x-1)^2/(x+1)^3$  ogf]  
A270010 7.15650 [  $(x^6-x^5-3x^4-22x^3+3x^2-9x-1)/(x+1)^3/(x-1)^3$  ogf]  
A270012 6.53733 [  $-(x^6-x^5-3x^4-22x^3+3x^2-9x-1)/(x+1)^3/(x-1)^4$  ogf]  
A270013 7.84250 [  $-(x^5-2x^3-24x^2+x-8)/(x-1)^2/(x+1)^3$  ogf]  
A270049 4.54183 [  $\{(-n-2)*a(n+1)+(n+3)*a(n+2)-a(n+4)+2a(n+3), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 7\}$ , ogf]  
A270052 4.78902 [  $\{-a(n+3)+26a(n+2)-169a(n+1), a(0) = 5, a(1) = 240, a(2) = 5400\}$ , ogf]  
A270052 8.49665 [  $-(288x+48)/(13x^3+285x^2-9x-1)$  lgdogf]  
A270052 9.08262 [  $5*(x^2+22x+1)/(13x-1)^2$  ogf]  
A270053 4.19095 [  $20*(128x^4+675x^3-526x^2+90x+2)/(116x^2-45x+1)^2$  ogf]  
A270059 10.7709 [  $(x^5-2x^4+x^2+1)/(x+1)/(x-1)^2$  ogf]  
A270062 8.53643 [  $-(x^3+x^2-1)/(x^6+x^5-x^4-5x^3-5x^2-x+1)$  ogf]  
A270079 5.20788 [  $(4x^{12}-4x^{10}-4x^9+x^8+12x^7-6x^6-4x^4-4x^3-6x^2-4x-1)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A270080 3.18218 [  $(32x^5-16x^4+6x^3+x^2+2x-1)/(2x-1)/(4x-1)/(x-1)$  ogf]  
A270081 5.42732 [  $-(4x^{12}-4x^{10}-4x^9+x^8+12x^7-6x^6-4x^4-4x^3-6x^2-4x-1)/(x^2+1)/(x+1)^2/(x-1)^4$  ogf]  
A270082 6.66097 [  $-(4x^{11}-4x^9-4x^8+x^7+12x^6-5x^5-5x^3-4x^2-7x-4)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A270084 3.69679 [  $-(32x^4-16x^3+22x^2-3x+1)/(2x-1)/(4x-1)/(x-1)$  ogf]

A270085 5.73386 [  $(4*x^{10}-8*x^8+4*x^7+4*x^6-3*x^4+24*x^3+2*x^2+4*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A270086 5.79106 [  $(4*x^9-8*x^7+4*x^6+4*x^5-x^4-4*x^3+26*x^2+4*x+3)/(x-1)^2/(x+1)^3$  ogf]  
A270087 5.59852 [  $-(9*x^9-5*x^8-22*x^7+14*x^6+13*x^5-12*x^4+28*x^3+2*x^2+4*x+1)/(x+1)^3/(x-1)^3$  ogf]  
A270088 3.36449 [  $-(72*x^5-86*x^4-7*x^3+26*x^2-3*x+1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A270089 5.32430 [  $(9*x^9-5*x^8-22*x^7+14*x^6+13*x^5-12*x^4+28*x^3+2*x^2+4*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A270090 5.67073 [  $(9*x^8-5*x^7-22*x^6+14*x^5+12*x^4-13*x^3+30*x^2+4*x+3)/(x-1)^2/(x+1)^3$  ogf]  
A270109 10.9970 [  $-(x^3+11*x^2+5*x+7)/(x^4+3*x^3-5*x^2+3*x-2)$  lgdogf]  
A270109 11.5683 [  $(x^3+4*x^2-x+2)/(x-1)^4$  ogf]  
A270109 4.78902 [  $\{( -59*n^2-294*n-352)*a(n+1)+(54*n^2+3*n-469)*a(n+2)+(5*n^2+99*n+252)*a(n+3), a(0) = 2, a(1) = 7, a(2) = 20\}$ , ogf]  
A270111 16.2077 [  $8*x/(7*x-1)^2$  ogf]  
A270111 21.7965 [  $14/(-7*x+1)$  lgdogf]  
A270111 7.61565 [  $\{a(n+2)-14*a(n+1)+49*a(n), a(0) = 0, a(1) = 8\}$ , ogf]  
A270112 4.67623 [  $\{-a(n+3)+86*a(n+2)-1849*a(n+1), a(0) = 8, a(1) = 1344, a(2) = 100800\}$ , ogf]  
A270112 8.07712 [  $-(3528*x+168)/(43*x^3+3525*x^2-39*x-1)$  lgdogf]  
A270112 9.03542 [  $8*(x^2+82*x+1)/(43*x-1)^2$  ogf]  
A270113 3.61619 [  $112*(1225*x^4+12339*x^3-4286*x^2+360*x+1)/(1547*x^2-270*x+1)^2$  ogf]  
A270126 3.32711 [  $\{-a(n+3)+4*a(n+2), a(0) = 1, a(1) = 5, a(2) = 24\}$ , ogf]  
A270126 6.28453 [  $-(4*x^2+x+1)/(4*x-1)$  ogf]  
A270129 5.64331 [  $-(5*x^9-5*x^8-10*x^7+14*x^6+x^5-12*x^4+32*x^3+2*x^2+4*x+1)/(x+1)^3/(x-1)^3$  ogf]  
A270130 3.32711 [  $-(40*x^5-30*x^4-35*x^3+30*x^2-3*x+1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A270131 5.35910 [  $(5*x^9-5*x^8-10*x^7+14*x^6+x^5-12*x^4+32*x^3+2*x^2+4*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A270132 6.09252 [  $(5*x^8-5*x^7-10*x^6+14*x^5-13*x^3+34*x^2+4*x+3)/(x-1)^2/(x+1)^3$  ogf]  
A270143 17.4700 [  $-( -2*x^2+4*x-1)/(x-1)$  ogf\_with\_Euler\_transform]  
A270144 14.3072 [  $-( -2*x^3+2*x^2+2*x-1)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A270145 4.94504 [  $8*(4*x^2+116*x+1)*(x-1)^2/(x+1)^2/(34*x-1)^2$  ogf]  
A270164 5.32539 [  $-(4*x^{13}+8*x^{12}-12*x^{11}-24*x^{10}+16*x^9+23*x^8-12*x^7-6*x^6+x^5+26*x^3+2*x^2+5*x+1)/(x+1)^3/(x-1)^3$  ogf]  
A270165 2.99893 [  $-(32*x^6-24*x^5+4*x^4-28*x^3+20*x^2-2*x+1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A270166 4.50111 [  $(4*x^{13}+8*x^{12}-12*x^{11}-24*x^{10}+16*x^9+23*x^8-12*x^7-6*x^6+x^5+26*x^3+2*x^2+5*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A270167 4.69431 [  $(4*x^{12}+8*x^{11}-12*x^{10}-24*x^9+16*x^8+23*x^7-12*x^6-6*x^5-x^3+28*x^2+4*x+4)/(x-1)^2/(x+1)^3$  ogf]  
A270172 11.3001 [  $-x^{10}*(10*x^{10}-9)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A270205 12.2378 [  $-(6+6*x)/(2*x^2-x-1)$  lgdogf]  
A270205 3.96901 [  $\{(n+1)*a(n+3)+(-6+n)*a(n+2)+(-4-2*n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 6\}$ , ogf]  
A270205 8.39163 [  $6*x^2*(2*x+1)/(x-1)^4$  ogf]  
A270218 4.13937 [  $(8*x^3-14*x^2+3*x-1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A270222 4.13937 [  $(8*x^3-12*x^2+2*x-1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A270229 9.64099 [  $-( -x^3+2*x^2-x-2)/(x^3-x^2-x+1)$  lgdegf]  
A270239 6.57718 [  $-( -x^5+6*x^4-15*x^3+20*x^2-15*x+6)/( -x^6+6*x^5-15*x^4+20*x^3-15*x^2+6*x-1)$  ogf\_with\_Euler\_transform]  
A270241 7.74422 [  $-(x-2)*(x^2-2*x+2)*(x^4-4*x^3+6*x^2-4*x+2)/(x-1)^8$  ogf\_with\_Euler\_transform]  
A270242 7.48032 [  $-(x^2-3*x+3)*(x^6-6*x^5+15*x^4-21*x^3+18*x^2-9*x+3)/(x-1)^9$

ogf\_with\_Euler\_transform]  
 A270243 6.38805  $[-(x-2)*(x^4-3*x^3+4*x^2-2*x+1)*(x^4-5*x^3+10*x^2-10*x+5)/(x-1)^{10}$  ogf\_with\_Euler\_transform]  
 A270257 17.8279  $[-12*x/(x+1)/(x-1)^3$  ogf]  
 A270257 18.6382  $[-(-4*x-2)/(-x^2+1)$  lgdogf]  
 A270257 38.8333  $[[2+x]$  ogf\_with\_Euler\_transform]  
 A270257 6.07468  $[\{(n+2)*a(n+3)-2*a(n+2)+(-4-n)*a(n+1), a(0) = 0, a(1) = 12, a(2) = 24\},$  ogf]  
 A270258 3.86738  $[6*x*(207*x^6+418*x^5+965*x^4+724*x^3+449*x^2+106*x+11)/(x+1)^4/(x-1)^6$  ogf]  
 A270272 3.59123  $[(x^6+54*x^5+405*x^4+760*x^3+405*x^2+54*x+1)/(x-1)^{10}$  ogf]  
 A270272 4.34994  $[\{(n^3+15*n^2+75*n+125)*a(n+1)+(-n^3-6*n^2-12*n-8)*a(n+2), a(0) = 1, a(1) = 64\},$  ogf]  
 A270287 3.67369  $[-(6*x^4-19*x^3+18*x^2-3*x+1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
 A270296 11.4592  $[-(x^3+3*x^2+6*x+2)/(x^4+x^3-x-1)$  lgdogf]  
 A270296 12.8917  $[20*(x^2+x+1)/(x+1)/(x-1)^2$  ogf]  
 A270296 32.8278  $[-x^2+x+2$  ogf\_with\_Euler\_transform]  
 A270296 7.17449  $[\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 20, a(1) = 40, a(2) = 80\},$  ogf]  
 A270297 7.08036  $[28*(x^8+x^7+2*x^6+3*x^5+x^4+3*x^3+2*x^2+x+1)/(x^4+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
 A270307 9.65023  $[-(4*x^3+8*x^2+4*x+1)/(x+1)/(2*x^3+2*x^2-1)$  ogf]  
 A270346 9.99983  $[(7*x^3+5*x^2+3*x+2)/(x-1)/(11*x-1)/(x+1)/(x^2+1)$  ogf]  
 A270369 17.7864  $[-2/(-63*x^2+16*x-1)$  lgdogf]  
 A270369 18.2671  $[(7*x-1)/(9*x-1)$  ogf]  
 A270369 9.38726  $[\{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 2\},$  ogf]  
 A270386 3.25056  $[\{(31*n^2+31*n)*a(n)+(-66*n^2-227*n-161)*a(n+1)+(39*n^2+226*n+322)*a(n+2)+(-4*n^2-30*n-56)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 9\},$  ogf]  
 A270444 13.9135  $[2*(2*x+1)/(4*x^2-8*x+1)$  ogf]  
 A270444 7.54347  $[\{-a(n+2)+8*a(n+1)-4*a(n), a(0) = 2, a(1) = 20\},$  ogf]  
 A270444 9.48648  $[-(8*x^2+8*x-10)/(8*x^3-12*x^2-6*x+1)$  lgdogf]  
 A270445 13.2813  $[2*(4*x+1)/(16*x^2-12*x+1)$  ogf]  
 A270445 7.34378  $[\{-a(n+2)+12*a(n+1)-16*a(n), a(0) = 2, a(1) = 32\},$  ogf]  
 A270445 9.04668  $[-(-64*x^2-32*x+16)/(-64*x^3+32*x^2+8*x-1)$  lgdogf]  
 A270454 9.16740  $[-(x^5+x^4+18*x^3+6*x^2+5*x+1)/(x+1)^3/(x-1)^3$  ogf]  
 A270455 6.98053  $[(x^5+x^4+18*x^3+6*x^2+5*x+1)/(x+1)^3/(x-1)^4$  ogf]  
 A270456 9.09884  $[-(15*x^3+3*x^2+13*x+1)/(5*x^4+2*x^3-4*x^2-2*x-1)$  lgdogf]  
 A270456 9.56545  $[4*(5*x^2+2*x+1)/(x-1)^2/(x+1)^3$  ogf]  
 A270471 18.3836  $[-4/(-21*x^2+10*x-1)$  lgdogf]  
 A270471 18.8804  $[(3*x-1)/(7*x-1)$  ogf]  
 A270471 9.70243  $[\{a(n+2)-7*a(n+1), a(0) = 1, a(1) = 4\},$  ogf]  
 A270472 18.7478  $[-7/(-18*x^2+11*x-1)$  lgdogf]  
 A270472 19.2545  $[(2*x-1)/(9*x-1)$  ogf]  
 A270472 9.89469  $[\{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 7\},$  ogf]  
 A270473 18.3472  $[-4/(-45*x^2+14*x-1)$  lgdogf]  
 A270473 18.8431  $[(5*x-1)/(9*x-1)$  ogf]  
 A270473 9.68326  $[\{a(n+2)-9*a(n+1), a(0) = 1, a(1) = 4\},$  ogf]  
 A270510 11.8294  $[-(6*x^3+6*x^2+10*x+2)/(3*x^4-2*x^2-1)$  lgdogf]  
 A270510 14.3199  $[-3*(3*x^2+1)/(x+1)/(x-1)^3$  ogf]  
 A270511 3.60973  $[3*(161*x^8+406*x^7+1348*x^6+1386*x^5+1482*x^4+666*x^3+268*x^2+38*x+5)/(x+1)^4/(x-1)^6$  ogf]  
 A270545 10.9697  $[-(x^3-3*x^2-6*x-4)/(-x^4-x^3+x+1)$  lgdogf]  
 A270545 12.9478  $[(x+1)*(x^2+x+1)/(x-1)^2$  ogf]  
 A270545 31.4447  $[-x^2-x+4$  ogf\_with\_Euler\_transform]  
 A270545 6.86798  $[\{a(n+4)-2*a(n+3)+a(n+2), a(0) = 1, a(1) = 4, a(2) = 9, a(3) = 15\},$  ogf]  
 A270567 10.5052  $[\{a(n+2)-5*a(n+1), a(0) = 1, a(1) = 9\},$  ogf]  
 A270567 20.4426  $[-(4*x+1)/(5*x-1)$  ogf]  
 A270567 20.4426  $[-9/(20*x^2+x-1)$  lgdogf]  
 A270568 18.2671  $[-12/(32*x^2+4*x-1)$  lgdogf]

A270568 18.7608 [  $-(4*x+1)/(8*x-1)$  ogf]  
A270568 9.50892 [  $\{a(n+2)-8*a(n+1), a(0) = 1, a(1) = 12\}$ , ogf]  
A270569 6.77802 [  $-(4*x^{10}-8*x^8+3*x^7+4*x^6+3*x^5-3*x^4+21*x^3+2*x^2+5*x+1)/(x+1)^3/(x-1)^3$  ogf]  
A270572 7.24580 [  $-(x^{14}-2*x^{13}+x^{12}+3*x^{11}-x^{10}-3*x^8+2*x^7+2*x^6-x^5-x^3+2*x^2-x-3)/(x^2+x+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A270576 10.3645 [  $\{a(n+2)-6*a(n+1), a(0) = 1, a(1) = 8\}$ , ogf]  
A270576 20.1688 [  $-(2*x+1)/(6*x-1)$  ogf]  
A270576 20.1688 [  $-8/(12*x^2+4*x-1)$  lgdogf]  
A270577 3.31598 [  $\{(128*n^3+576*n^2+856*n+420)*a(n+1)+(-2*n^3-13*n^2-28*n-20)*a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A270607 7.79992 [  $-(2*x^4+16*x^3-6*x^2+12*x)/(3*x^6-4*x^5+3*x^4+2*x^3-5*x^2+2*x-1)$  lgdogf]  
A270607 9.82212 [  $-6*(3*x^4-4*x^3+6*x^2-2*x+1)/(x+1)/(x-1)^3$  ogf]  
A270640 6.34328 [  $-(x^{11}+x^{10}-x^9+2*x^8-x^7+x^6+x^4-x^3+2*x^2-x+1)/(x^{12}-1)$  ogf\_with\_Euler\_transform]  
A270660 10.8140 [  $-2*(x^{12}-x^{11}+x^7-x^6+2*x^5-x^4-x^3+2*x^2+3*x-6)/(x-1)^2$  ogf]  
A270681 8.25010 [  $(x^6+5*x^4-4*x^3-5*x^2-4*x-1)/(x+1)^2/(x-1)^3$  ogf]  
A270682 3.54471 [  $(8*x^4+18*x^3-3*x^2+2*x-1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A270683 7.60310 [  $-(x^6+5*x^4-4*x^3-5*x^2-4*x-1)/(x+1)^2/(x-1)^4$  ogf]  
A270684 11.2135 [  $-(x^5+6*x^3-4*x^2-7*x-4)/(x-1)^2/(x+1)^2$  ogf]  
A270693 11.6199 [  $-(x^2-23*x+1)/(x-1)/(x+1)^3$  ogf]  
A270693 9.35627 [  $-(2*x^3-71*x^2+52*x-25)/(x^4-23*x^3+23*x-1)$  lgdogf]  
A270694 8.54831 [  $x*(x^2-5*x+1)/(x-1)/(x+1)^4$  ogf]  
A270694 9.35693 [  $-(3*x^3-23*x^2+22*x-8)/(x^4-5*x^3+5*x-1)$  lgdogf]  
A270695 5.18081 [  $-x*(286*x^9+693*x^8+161*x^7-685*x^6-455*x^5-x^2+6*x-1)/(x-1)/(x+1)^4$  ogf]  
A270700 15.0808 [  $-(-5*x-7)/(-x^3-2*x^2+x+2)$  lgdogf]  
A270700 15.3550 [  $6*(x+2)*(x+1)/(x-1)^2$  ogf]  
A270700 8.04310 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 12, a(1) = 42, a(2) = 78\}$ , ogf]  
A270704 13.5954 [  $-2*x*(17*x+7)/(x-1)^3$  ogf]  
A270704 15.4256 [  $-(-34*x-38)/(-17*x^2+10*x+7)$  lgdogf]  
A270704 7.09850 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 14, a(2) = 76\}$ , ogf]  
A270708 5.57548 [  $x^3*(x^9-x^8-6*x^5+6*x^4-3*x-1)/(x-1)/(x^2+1)/(x^4+2*x^2-1)/(x^4-2*x^2-1)$  ogf]  
A270710 17.2110 [  $-(7*x-1)/(x-1)^3$  ogf]  
A270710 18.6160 [  $-(-14*x-4)/(-7*x^2+8*x-1)$  lgdogf]  
A270710 8.07243 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = -1, a(1) = 4, a(2) = 15\}$ , ogf]  
A270715 11.6626 [  $-(x^2-x-1)/(x-1)/(x^3+x^2+x-1)$  ogf]  
A270737 11.3153 [  $(x^2-x-1)/(x^6+2*x^5+2*x-1)$  ogf]  
A270740 5.02762 [  $-x*(2*x^4-x^3+x+1)/(x-1)/(x^6+x^3+1)$  ogf]  
A270743 12.3825 [  $-(x^3-2*x^2-x-1)/(x^2+x+1)^2/(x-1)^2$  ogf]  
A270752 10.5804 [  $1/2+1/2*(1044*x^7+1)^{1/2}$  ogf\_with\_Euler\_transform]  
A270765 13.8685 [  $\exp(x)+(2*x+3)/(x+1)$  lgdegf]  
A270797 13.3471 [  $-x*(2*x^2-4*x-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A270809 10.3186 [  $-(-3*x^3+9*x^2-3*x+1)/(-3*x^4+12*x^3-16*x^2+9*x-2)$  lgdogf]  
A270809 10.7105 [  $-2*(x-2)*(3*x^2-3*x+1)/(x-1)^4$  ogf]  
A270809 4.57367 [  $\{(11*n^2+57*n+70)*a(n+1)+(-26*n^2-120*n-124)*a(n+2)+(15*n^2+51*n+18)*a(n+3), a(0) = 4, a(1) = 2, a(2) = 2\}$ , ogf]  
A270810 13.0180 [  $x*(2*x^3+2*x^2-x+1)/(2*x-1)/(x-1)$  ogf]  
A270810 4.33935 [  $\{(2*n-2)*a(n+1)+(n+5)*a(n+2)+(-5*n-4)*a(n+3)+(2*n+1)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6\}$ , ogf]  
A270810 9.09863 [  $-(-4*x^4+12*x^3-2*x^2-2)/(4*x^5-2*x^4-6*x^3+7*x^2-4*x+1)$  lgdogf]  
A270823 6.29439 [  $-x*(x^9+2*x^8-x^5+x^3+x+2)/(x-1)/(x^2+1)/(x^8+1)$  ogf]  
A270824 8.76971 [  $-x*(x^7-x^6+x^4+2*x^3-x^2+1)/(x-1)/(x^8+1)$  ogf]  
A270841 11.3671 [  $(5*x^3-15*x^2+16*x-5)/(2*x-1)/(x-1)^2$  ogf]  
A270841 6.11412 [  $\{a(n+4)-4*a(n+3)+5*a(n+2)-2*a(n+1), a(0) = 5, a(1) = 4, a(2) =$



$6, a(3) = 9\}$ , ogf]  
A270841 8.49541 [  $[-(-5*x^3+19*x^2-16*x+4)/(10*x^5-45*x^4+82*x^3-73*x^2+31*x-5)$  lgdogf]  
A270851 11.1927 [  $[-6*x^2*(3*x^2+2*x+1)/(x+1)/(x-1)^3$  ogf]  
A270851 9.69122 [  $[-(6*x^3+12*x^2+14*x+4)/(3*x^4+2*x^3-2*x^2-2*x-1)$  lgdogf]  
A270863 10.9025 [  $[-x*(x^2+x-1)/(x^4+3*x^3-x^2-3*x+1)$  ogf]  
A270863 7.36927 [  $[-(-2*x^5-6*x^4-2*x^3+7*x^2-2)/(-x^6-4*x^5-x^4+7*x^3+x^2-4*x+1)$  lgdogf]  
A270867 10.0594 [  $[-(-2*x^3-4*x^2-10*x-8)/(-2*x^4+3*x^3-5*x^2+3*x+1)$  lgdogf]  
A270867 10.5820 [  $[(2*x^3-x^2+4*x+1)/(x-1)^4$  ogf]  
A270867 4.33411 [  $\{(5*n^2-49*n-118)*a(n+1)+(54*n^2+537*n+866)*a(n+2)+(-59*n^2-296*n-357)*a(n+3), a(0) = 1, a(1) = 8, a(2) = 25\}$ , ogf]  
A270868 7.71835 [  $[-(-x^4+22*x^3+30*x^2+46*x+23)/(-x^5+14*x^4-16*x^3+16*x^2-11*x-2)$  lgdogf]  
A270868 8.27534 [  $[(x^4-13*x^3+3*x^2-13*x-2)/(x-1)^5$  ogf]  
A270869 6.45708 [  $[3*(3*x^5-9*x^4+36*x^3-8*x^2+17*x+1)/(x-1)^6$  ogf]  
A270870 5.36988 [  $[(21*x^6-158*x^5+207*x^4-694*x^3+89*x^2-180*x-5)/(x-1)^7$  ogf]  
A270871 4.62570 [  $[(73*x^7-450*x^6+1897*x^5-1012*x^4+4171*x^3-274*x^2+627*x+8)/(x-1)^8$  ogf]  
A270872 3.91402 [  $[(226*x^8-1909*x^7+4997*x^6-19271*x^5+1091*x^4-23875*x^3+595*x^2-2161*x-13)/(x-1)^9$  ogf]  
A270873 3.21692 [  $[(754*x^9-6565*x^8+30660*x^7-30698*x^6+187124*x^5+41496*x^4+132820*x^3-190*x^2+7458*x+21)/(x-1)^{10}$  ogf]  
A270879 10.6033 [  $[-x*(4*x^3+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+2*x-1)$  ogf]  
A270889 13.8620 [  $[-3*(2*x^2-5*x+1)/(x-1)/(x^2-6*x+1)$  ogf]  
A270889 7.60567 [  $\{-a(n+3)+7*a(n+2)-7*a(n+1)+a(n), a(0) = 3, a(1) = 6, a(2) = 27\}$ , ogf]  
A270889 8.34409 [  $[-(-2*x^4+10*x^3-24*x^2+10*x-2)/(-2*x^5+19*x^4-50*x^3+44*x^2-12*x+1)$  lgdogf]  
A270934 7.73194 [  $[-(5*x^8-4*x^7-7*x^6+8*x^5+20*x^3+x^2+8*x+1)/(x+1)^3/(x-1)^3$  ogf]  
A270935 3.74300 [  $[(32*x^4-16*x^3-2*x^2-x-1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A270936 6.11897 [  $[(5*x^8-4*x^7-7*x^6+8*x^5+20*x^3+x^2+8*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A270937 6.24742 [  $[(5*x^7-4*x^6-7*x^5+7*x^4-x^3+22*x^2+3*x+7)/(x-1)^2/(x+1)^3$  ogf]  
A270993 11.5151 [  $[-(3661543*x+18708077)/(3661543*x^2+3861724*x-7523267)$  lgdogf]  
A270993 15.9595 [  $[(3661543*x+7523267)/(x-1)^2$  ogf]  
A270993 9.57569 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 7523267, a(1) = 18708077\}$ , ogf]  
A270994 10.9722 [  $[-(1730681*x+20638939)/(1730681*x^2+7723448*x-9454129)$  lgdogf]  
A270994 15.2071 [  $[(1730681*x+9454129)/(x-1)^2$  ogf]  
A270994 9.12427 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 9454129, a(1) = 20638939\}$ , ogf]  
A271004 6.27292 [  $[(4*x^{11}-8*x^9+3*x^8+4*x^7+3*x^6-4*x^5-4*x^4-20*x^3-x^2-8*x-1)/(x+1)^3/(x-1)^3$  ogf]  
A271005 4.27771 [  $[(32*x^4+8*x^3+4*x^2+2*x+1)/(4*x-1)/(2*x-1)$  ogf]  
A271006 5.20418 [  $[-(4*x^{11}-8*x^9+3*x^8+4*x^7+3*x^6-4*x^5-4*x^4-20*x^3-x^2-8*x-1)/(x+1)^3/(x-1)^4$  ogf]  
A271007 5.40499 [  $[-(4*x^{10}-8*x^8+3*x^7+4*x^6+3*x^5-3*x^4-3*x^3-22*x^2-3*x-7)/(x-1)^2/(x+1)^3$  ogf]  
A271017 2.85335 [  $\{-a(n+3)+5*a(n+2)-4*a(n+1), a(0) = 1, a(1) = 5, a(2) = 41\}$ , ogf]  
A271017 5.87790 [  $[(20*x^2+1)/(4*x-1)/(x-1)$  ogf]  
A271027 10.9722 [  $[-(-7523281*x-14846339)/(-7523281*x^2+3861752*x+3661529)$  lgdogf]  
A271027 15.2071 [  $[(7523281*x+3661529)/(x-1)^2$  ogf]  
A271027 9.12427 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 3661529, a(1) = 14846339\}$ , ogf]  
A271035 14.3683 [  $[-(6*x+36)/(x^2+4*x-5)$  lgdogf]  
A271035 4.51313 [  $\{(-5*n-15)*a(n+3)+(44+4*n)*a(n+2)+(7+n)*a(n+1), a(0) = 10, a(1) = 72, a(2) = 294\}$ , ogf]  
A271035 7.82276 [  $[-2*(x+5)/(x-1)^7$  ogf]

A271036 4.29243 [  $-2*(x^3+17*x^2+38*x+17)/(x-1)^{11}$  ogf]  
A271036 7.34482 [  $-(-8*x^3-156*x^2-414*x-225)/(-x^4-16*x^3-21*x^2+21*x+17)$  lgdogf]  
A271040 28.3715 [  $7/(-x+1)$  lgdogf]  
A271040 4.99624 [  $\{(-4+n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 10\}$ , ogf]  
A271040 9.68783 [  $-10*x^6/(x-1)^7$  ogf]  
A271051 7.21485 [  $-(9*x^8-4*x^7-15*x^6+8*x^5+4*x^4+20*x^3+x^2+8*x+1)/(x+1)^3/(x-1)^3$  ogf]  
A271052 5.73386 [  $(9*x^8-4*x^7-15*x^6+8*x^5+4*x^4+20*x^3+x^2+8*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A271053 6.19492 [  $(9*x^7-4*x^6-15*x^5+7*x^4+3*x^3+22*x^2+3*x+7)/(x-1)^2/(x+1)^3$  ogf]  
A271054 7.65968 [  $(9*x^7-4*x^6-15*x^5+7*x^4-21*x^3-2*x^2-5*x-1)/(x+1)^3/(x-1)^3$  ogf]  
A271055 3.69679 [  $(72*x^4-22*x^3-15*x^2+2*x-1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A271056 6.07364 [  $-(9*x^7-4*x^6-15*x^5+7*x^4-21*x^3-2*x^2-5*x-1)/(x+1)^3/(x-1)^4$  ogf]  
A271057 6.60751 [  $-(9*x^6-4*x^5-14*x^4+8*x^3-23*x^2-4*x-4)/(x-1)^2/(x+1)^3$  ogf]  
A271060 9.99495 [  $-(x^4+24*x^3-2*x^2+8*x+1)/(x+1)^3/(x-1)^3$  ogf]  
A271061 2.90718 [  $\{-a(n+3)+6*a(n+2)-8*a(n+1), a(0) = 1, a(1) = 8, a(2) = 48\}$ , ogf]  
A271061 5.64981 [  $(8*x^2+2*x+1)/(4*x-1)/(2*x-1)$  ogf]  
A271062 7.45402 [  $(x^4+24*x^3-2*x^2+8*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A271064 7.59995 [  $-(x^5-x^4-74*x^3+26*x^2-87*x+7)/(x^6-27*x^4+19*x^2+7)$  lgdogf]  
A271064 8.99018 [  $-(x^4-26*x^2-7)/(x-1)^2/(x+1)^3$  ogf]  
A271091 7.73194 [  $(5*x^7-4*x^6-7*x^5+7*x^4-25*x^3-2*x^2-5*x-1)/(x+1)^3/(x-1)^3$  ogf]  
A271092 3.74300 [  $(40*x^4+2*x^3-19*x^2+2*x-1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A271093 6.11897 [  $-(5*x^7-4*x^6-7*x^5+7*x^4-25*x^3-2*x^2-5*x-1)/(x+1)^3/(x-1)^4$  ogf]  
A271094 6.66758 [  $-(5*x^6-4*x^5-6*x^4+8*x^3-27*x^2-4*x-4)/(x-1)^2/(x+1)^3$  ogf]  
A271113 8.18393 [  $(x+1)*(x^{35}-x^{34}+x^{28}-x^{27}+x^{24}-x^{23}+x^{22}-x^{21}+x^{19}-x^{18}+x^{15}-x^{14}+x^{13}-x^{12}+x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A271114 14.5981 [  $-(-5*x-7)/(-x^3-2*x^2+x+2)$  lgdogf]  
A271114 15.4244 [  $(x+2)*(x+1)/(x-1)^2$  ogf]  
A271114 7.93684 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 2, a(1) = 7, a(2) = 13\}$ , ogf]  
A271115 4.85888 [  $(x+1)*(x^4+50048*x^3+410874753*x^2+50048*x+1)/(x^6-80640398*x^3+1)$  ogf]  
A271144 8.07441 [  $-(277367*x^3-805149*x^2+778233*x-250703)/(x-1)^4$  ogf]  
A271176 8.26558 [  $-(x-1)*(4*x^2-3*x+1)/(2*x-1)/(x^3-2*x^2+3*x-1)$  ogf]  
A271180 7.34517 [  $(x-1)*(4*x^2-3*x+1)/(x^2-3*x+1)/(x^4-x^3+2*x-1)$  ogf]  
A271208 7.05383 [  $(3*x^5+17*x^4+82*x^3+12*x^2+7*x-1)/(x-1)^6$  ogf]  
A271209 7.05383 [  $(x+1)*(x^4+26*x^3+36*x^2-4*x+1)/(x-1)^6$  ogf]  
A271212 3.84008 [  $\{(2*n^2+2*n)*a(n)+(4*n^2+13*n+9)*a(n+1)+(2*n^2+10*n+14)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A271220 11.3040 [  $\{-a(n+3)+a(n+2), a(0) = 6, a(1) = 66, a(2) = 1236\}$ , ogf]  
A271220 13.6268 [  $-(-195*x^2-390*x-11)/(-195*x^3+185*x^2+9*x+1)$  lgdogf]  
A271220 20.3011 [  $-6*(195*x^2+10*x+1)/(x-1)$  ogf]  
A271231 5.40138 [  $-(-4*x^{23}+x^{21}-3*x^{19}+2*x^{17}-2*x^{15}+x^{13}-6*x^{11}+x^9-2*x^7+2*x^5-3*x^3+x)/(x^{24}-1)$  ogf\_with\_Euler\_transform]  
A271254 3.74300 [  $-(24*x^4-2*x^3+15*x^2-2*x+1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A271255 5.43008 [  $(4*x^{10}-8*x^8+3*x^7+4*x^6+3*x^5-3*x^4+21*x^3+2*x^2+5*x+1)/(x+1)^3/(x-1)^4$  ogf]  
A271256 5.76121 [  $(4*x^9-8*x^7+3*x^6+4*x^5+2*x^4-4*x^3+23*x^2+4*x+4)/(x-1)^2/(x+1)^3$  ogf]  
A271266 7.69014 [  $\{(n^2+4*n+25)*a(n+1)-a(n+2), a(0) = 1, a(1) = 22\}$ , ogf]  
A271268 9.41748 [  $-2*(603*x^5+8556*x^4+8572*x^3+832*x^2+44*x+4)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A271286 4.08188 [  $(32*x^3-26*x^2+3*x-1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]

A271324 12.1457 [  $-x^*(x^3-2*x^2-2*x-2)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A271346 9.03197 [  $2*(x^2+1)*(2*x^4+x^3-x^2+x+2)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A271357 13.8236 [  $-(x^2+6*x-10)/(x^3-8*x+3)$  lgdogf]  
A271357 17.5100 [  $(x+3)/(x^2-3*x+1)$  ogf]  
A271357 9.49335 [  $\{-a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 10\}$ , ogf]  
A271358 11.2083 [  $-(x^2+8*x-13)/(x^3+x^2-11*x+4)$  lgdogf]  
A271358 16.4388 [  $(x+4)/(x^2-3*x+1)$  ogf]  
A271358 8.91263 [  $\{-a(n+2)+3*a(n+1)-a(n), a(0) = 4, a(1) = 13\}$ , ogf]  
A271359 11.1902 [  $-(x^2+10*x-16)/(x^3+2*x^2-14*x+5)$  lgdogf]  
A271359 16.6610 [  $(x+5)/(x^2-3*x+1)$  ogf]  
A271359 9.03307 [  $\{-a(n+2)+3*a(n+1)-a(n), a(0) = 5, a(1) = 16\}$ , ogf]  
A271378 10.4674 [  $\{a(n+3)-a(n), a(0) = 1, a(1) = 5, a(2) = 25\}$ , ogf]  
A271378 16.1198 [  $-(25*x^2+5*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A271388 12.3621 [  $-x*(2*x^2-4*x+1)/(x^2+4*x-1)/(x-1)^2$  ogf]  
A271388 4.58089 [  $\{(-n-4)*a(n+1)+(-3*n-13)*a(n+2)+(5*n+16)*a(n+3)+(-n-3)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6\}$ , ogf]  
A271388 9.02436 [  $-(4*x^4-4*x^3-16*x^2+10*x-2)/(2*x^5+2*x^4-21*x^3+25*x^2-9*x+1)$  lgdogf]  
A271389 10.7395 [  $-(4*x^3+10*x^2+4*x-6)/(x^4+2*x^3-2*x^2-2*x+1)$  lgdogf]  
A271389 11.9165 [  $(x+1)*x/(x^2+2*x-1)/(x-1)^3$  ogf]  
A271389 3.73348 [  $\{(n^2+8*n+16)*a(n+1)+(n^2+10*n+23)*a(n+2)+(-3*n^2-20*n-34)*a(n+3)+(n^2+6*n+9)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 22\}$ , ogf]  
A271391 10.0859 [  $-(x^5+x^4+6*x^3+2*x^2+x+1)/(x+1)^3/(x-1)^3$  ogf]  
A271427 15.9334 [  $-(14*x-6)/(-7*x^2-6*x+1)$  lgdogf]  
A271427 21.1010 [  $-7*x/(x+1)/(7*x-1)$  ogf]  
A271427 9.63873 [  $\{-a(n+2)+6*a(n+1)+7*a(n), a(0) = 0, a(1) = 7\}$ , ogf]  
A271476 3.33438 [  $\{(6*n^2+42*n+72)*a(n+1)+(-4*n^2-19*n-12)*a(n+2)+(-2*n^2-16*n-40)*a(n+3)+(n+4)*a(n+4), a(0) = 1, a(1) = 10, a(2) = 75, a(3) = 628\}$ , ogf]  
A271476 8.33595 [  $-(8*x^4+12*x^3-26*x^2+5*x+10)/(-8*x^4-4*x^3+14*x^2-3*x-1)$  lgdegf]  
A271478 14.0341 [  $-(3*x^2+16*x+1)/(x^3+4*x^2-x-4)$  lgdogf]  
A271478 17.2116 [  $x*(x+4)/(x-1)^2/(x+1)^2$  ogf]  
A271478 4.63053 [  $\{(-12-4*n)*a(n+4)+(-1-n)*a(n+3)+(20+4*n)*a(n+2)+(n+3)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 1, a(3) = 8\}$ , ogf]  
A271484 10.9782 [  $x^5*(x^5+x^4+x^2+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A271485 9.90285 [  $-(x+1)*(x^2+1)*(x^2-x-1)/(x^6-x^4-2*x^2+1)$  ogf]  
A271487 5.98468 [  $-(x+1)*(x^8+x^6+2*x^4+2*x^2+x+1)/(x^9+2*x^6+2*x^3-1)$  ogf]  
A271489 5.21601 [  $(x^{13}-x^{10}-x^8-x^7-x^6-x^5-x^4-2*x^3-3*x^2-2*x-1)/(x^9+x^6+2*x^3-1)$  ogf]  
A271494 10.8186 [  $-(-512*x^2-64*x-20)/(-512*x^3-96*x^2+12*x+1)$  lgdogf]  
A271494 16.5732 [  $-(16*x+1)/(4*x+1)/(8*x-1)$  ogf]  
A271494 9.27312 [  $\{a(n+2)-4*a(n+1)-32*a(n), a(0) = 1, a(1) = 20\}$ , ogf]  
A271508 10.0634 [  $-(6*x^3+12*x^2+18*x+4)/(6*x^4+3*x^3-5*x^2-3*x-1)$  lgdogf]  
A271508 13.5278 [  $(6*x^2+3*x+1)/(x+1)/(x-1)^2$  ogf]  
A271508 7.30263 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 4, a(2) = 11\}$ , ogf]  
A271527 10.3538 [  $-(1001*x-2)/(1000*x-1)/(x-1)$  ogf]  
A271527 6.14401 [  $\{a(n+2)-1001*a(n+1)+1000*a(n), a(0) = 2, a(1) = 1001\}$ , ogf]  
A271528 10.2502 [  $-6*x*(10*x+1)/(10*x-1)/(100*x-1)/(x-1)$  ogf]  
A271528 5.59101 [  $\{a(n+3)-111*a(n+2)+1110*a(n+1)-1000*a(n), a(0) = 0, a(1) = 6, a(2) = 726\}$ , ogf]  
A271528 7.19694 [  $-(-20000*x^3+8100*x^2+2220*x-121)/(-10000*x^4+10100*x^3-101*x+1)$  lgdogf]  
A271532 11.9851 [  $(x^2-28*x+1)/(x+1)^4$  ogf]  
A271532 12.3376 [  $-(-2*x^2+86*x-32)/(-x^3+27*x^2+27*x-1)$  lgdogf]  
A271532 4.07260 [  $\{(-n-4)*a(n+4)+(49+27*n)*a(n+3)+(140+27*n)*a(n+2)+(-3-n)*a(n+1), a(0) = 1, a(1) = -32, a(2) = 123, a(3) = -304\}$ , ogf]  
A271534 6.45588 [[2] ogf\_with\_Euler\_transform]

A271535 6.61378 [  $-x^*(x^4+18x^3+42x^2+18x+1)/(x-1)^7$  ogf]  
A271535 7.48730 [  $-(-3x^4-76x^3-264x^2-192x-25)/(-x^5-17x^4-24x^3+24x^2+17x+1)$  lgdogf]  
A271566 7.69040 [  $(x^7+2x^6-x^5-3x^4-3x^3+x^2+3x+2)/(x^2+x+1)^2/(x-1)^2$  ogf]  
A271567 15.5205 [  $-(-55x-17)/(-11x^2+10x+1)$  lgdogf]  
A271567 5.20686 [  $\{(n+3)*a(n+3)+(3+10*n)*a(n+2)+(-66-11*n)*a(n+1), a(0) = 1, a(1) = 17, a(2) = 87\}$ , ogf]  
A271567 9.96375 [  $(11x+1)/(x-1)^6$  ogf]  
A271578 10.0447 [  $-2*(x^{12}-x^{11}+x^4+x^3+57x-60)/(x-1)^2$  ogf]  
A271621 7.14939 [  $(4x^8+2x^7-x^6-2x^5+x^4-3x^3-2x^2-x-2)/(x-1)$  ogf]  
A271624 15.0210 [  $-(-2x^2-2x-2)/(-2x^3+3x^2-2x+1)$  lgdogf]  
A271624 15.7597 [  $-2*(2x^2-x+1)/(x-1)^3$  ogf]  
A271624 8.50747 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 2, a(1) = 4, a(2) = 10\}$ , ogf]  
A271625 14.6595 [  $-(-3x^2+2x+13)/(-3x^3+7x^2-x-3)$  lgdogf]  
A271625 15.6208 [  $(3x^2-4x-3)/(x-1)^3$  ogf]  
A271625 8.35851 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 3, a(1) = 13, a(2) = 27\}$ , ogf]  
A271636 10.3262 [  $4x*(7x^2+10x+7)/(x-1)^4$  ogf]  
A271636 11.7133 [  $-(-14x^2-44x-38)/(-7x^3-3x^2+3x+7)$  lgdogf]  
A271636 3.84701 [  $\{(21+7*n)*a(n+4)+(-32+3*n)*a(n+3)+(-47-3*n)*a(n+2)+(-14-7*n)*a(n+1), a(0) = 0, a(1) = 28, a(2) = 152, a(3) = 468\}$ , ogf]  
A271638 10.8607 [  $(x^2+4x+1)/(2x-1)^2/(x-1)^2$  ogf]  
A271638 9.40380 [  $-(4x^3+24x^2-6x-10)/(2x^4+5x^3-9x^2+x+1)$  lgdogf]  
A271648 3.70925 [  $-(x^8-22x^6+137x^5+1531x^4+4378x^3+1572x^2+77x+6)/(x-1)^7$  ogf]  
A271649 15.4256 [  $-4*(x^2-x+1)/(x-1)^3$  ogf]  
A271649 15.6826 [  $-(-x^2-2)/(-x^3+2x^2-2x+1)$  lgdogf]  
A271649 28.3771 [  $-x^5+x^2+x+2$  ogf\_with\_Euler\_transform]  
A271649 8.32707 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 4, a(1) = 8, a(2) = 16\}$ , ogf]  
A271662 17.6124 [  $-(-8x-10)/(-2x^2+x+1)$  lgdogf]  
A271662 5.64059 [  $\{(n+3)*a(n+3)+(-8+n)*a(n+2)+(-10-2*n)*a(n+1), a(0) = 1, a(1) = 10, a(2) = 49\}$ , ogf]  
A271662 9.80693 [  $(2x+1)^2/(x-1)^6$  ogf]  
A271663 12.9438 [  $-(-8x^2-19x-9)/(-2x^3-x^2+2x+1)$  lgdogf]  
A271663 4.18579 [  $\{(n+4)*a(n+4)+(-3+2*n)*a(n+3)+(-21-n)*a(n+2)+(-10-2*n)*a(n+1), a(0) = 1, a(1) = 9, a(2) = 41, a(3) = 131\}$ , ogf]  
A271663 9.56073 [  $(x+1)*(2x+1)/(x-1)^6$  ogf]  
A271675 10.5383 [  $-(2x^4+x^3-9x^2-23x-7)/(x^5-4x^3-4x^2+3x+4)$  lgdogf]  
A271675 11.5791 [  $x*(x^3-3x-4)/(x+1)^2/(x-1)^3$  ogf]  
A271675 4.78524 [  $\{(n+5)*a(n+1)+(-n-5)*a(n+2)+(-n-3)*a(n+3)+(n+3)*a(n+4), a(0) = 0, a(1) = 4, a(2) = 7, a(3) = 15\}$ , ogf]  
A271713 10.9868 [  $-(2x^4+x^3+x+2)/(x+1)^2/(x-1)^3$  ogf]  
A271713 8.89410 [  $-(-2x^5-4x^4-9x^3-7x^2-11x-3)/(-2x^6-x^5+2x^4-2x^2+x+2)$  lgdogf]  
A271722 5.97977 [  $-(x^8-x^6+x^5-x^3+x^2-1)/(x^{10}+x^8+x^6+x^4+x^2+1)$  ogf\_with\_Euler\_transform]  
A271723 10.0417 [  $-(3x^4+x^3-2x^2+x+3)/(x+1)^2/(x-1)^3$  ogf]  
A271723 8.89410 [  $-(-3x^5-5x^4-7x^3-5x^2-12x-4)/(-3x^6-x^5+5x^4-5x^2+x+3)$  lgdogf]  
A271740 14.0941 [  $-(-2x^2-6x-10)/(-2x^3+x^2-2x+3)$  lgdogf]  
A271740 15.0183 [  $-(2x^2+x+3)/(x-1)^3$  ogf]  
A271740 8.03611 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 3, a(1) = 10, a(2) = 23\}$ , ogf]  
A271743 10.4531 [  $(3x-2)*(2x^2-15x+5)/(2x-1)/(3x-1)/(x-1)$  ogf]  
A271743 5.56988 [  $\{-a(n+4)+6a(n+3)-11a(n+2)+6a(n+1), a(0) = 10, a(1) = 15, a(2) = 29, a(3) = 63\}$ , ogf]  
A271744 7.63239 [  $(24x^4-460x^3+599x^2-241x+30)/(x-1)/(3x-1)/(2x-1)/(4x-1)$  ogf]  
A271745 5.64886 [  $2*(60x^5-3174x^4+5210x^3-2891x^2+655x-52)/(x-1)/(4x-1)/$

$(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A271746 4.67619 [  $(720*x^6-122388*x^5+235852*x^4-161681*x^3+50632*x^2-7381*x+406)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A271747 3.82151 [  
 $(5040*x^7-3145476*x^6+6799268*x^5-5424029*x^4+2104109*x^3-426701*x^2+43463*x-1754)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(7*x-1)/(5*x-1)$  ogf]  
A271751 25.4303 [x<sup>9</sup>-2\*x<sup>4</sup>+2 ogf\_with\_Euler\_transform]  
A271751 9.12867 [  $-x*(x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A271771 8.46435 [  $-(-4*x^4-2*x^3+9*x-5)/(-4*x^5+8*x^4-7*x^3+6*x^2-4*x+1)$  lgdogf]  
A271771 9.42865 [  $-(2*x^3-x^2+x-1)/(2*x-1)^2/(x-1)^2$  ogf]  
A271779 10.2786 [  $-(7*x^3-27*x^2+25*x-11)/(x-1)^4$  ogf]  
A271779 3.93439 [  $\{(7429*n^2+41499*n+53282)*a(n+1)+(-11630*n^2-44636*n-28616)*a(n+2)+(4201*n^2+12821*n+654)*a(n+3), a(0) = 11, a(1) = 19, a(2) = 37\}$ , ogf]  
A271779 9.45157 [  $-(-7*x^3+33*x^2-21*x+19)/(-7*x^4+34*x^3-52*x^2+36*x-11)$  lgdogf]  
A271785 10.5051 [  $-x*(2*x^2+2*x-3)/(x^2+x-1)^2$  ogf]  
A271785 9.58591 [  $-(-4*x^3-6*x^2+6*x+4)/(-2*x^4-4*x^3+3*x^2+5*x-3)$  lgdogf]  
A271786 10.0753 [  $-2*(x-1)*(2*x^2+4*x+1)/(x^2+x-1)^2$  ogf]  
A271786 8.08124 [  $-(-2*x^4-2*x^3+3*x^2+3*x+5)/(-2*x^5-4*x^4+3*x^3+6*x^2-2*x-1)$  lgdogf]  
A271800 6.93861 [  $-x*(x^8+x^7+x^6+x^5-x^4-x^3-x^2-x-1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A271823 4.33560 [  $\{(-12*n^2-6*n+6)*a(n)+(7*n^2+21*n+14)*a(n+1)+(-n^2-5*n-6)*a(n+2), a(0) = 4, a(1) = 0, a(2) = 2\}$ , ogf]  
A271827 8.65832 [  $(x^2-x+1)*(x^3-x^2+1)/(x-1)/(x^3-x^2+2*x-1)$  ogf]  
A271828 10.5094 [  $-(12*x^3+62*x^2+20*x+2)/(12*x^4+x^3-15*x^2+3*x-1)$  lgdogf]  
A271828 11.3076 [  $(12*x^3+13*x^2-2*x+1)/(x-1)^4$  ogf]  
A271828 4.46652 [  $\{(-1855*n^2-7907*n-8394)*a(n+1)+(1754*n^2+1252*n-5076)*a(n+2)+(101*n^2+787*n+1452)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 15\}$ , ogf]  
A271830 10.1670 [  $(x^4+3*x^2-4*x+3)/(x-1)^2/(x^2+x+1)/(x^2-x+1)$  ogf]  
A271832 24.7308 [x<sup>11</sup>-2\*x<sup>5</sup>+2 ogf\_with\_Euler\_transform]  
A271832 8.35816 [  $-x*(x+1)*(x^2+x+1)*(x^2-x+1)/(x-1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A271833 9.36168 [  $(2*x^7+2*x^6+2*x^5-5*x^4+2*x^3+2*x^2+2*x+1)/(x^4+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A271859 5.86458 [  $-x*(x^{10}+x^9+x^8+x^7+x^6-x^5-x^4-x^3-x^2-x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A271893 14.9993 [  $-(2*x+1)*(x-1)/(6*x^3-4*x^2-2*x+1)$  ogf]  
A271893 8.16924 [  $\{a(n+3)-2*a(n+2)-4*a(n+1)+6*a(n), a(0) = 1, a(1) = 3, a(2) = 8\}$ , ogf]  
A271893 9.05896 [  $-(-12*x^4+12*x^3+10*x^2-4*x-3)/(-12*x^5+14*x^4+6*x^3-8*x^2-x+1)$  lgdogf]  
A271894 12.0892 [  $-(3*x^2-x-1)/(6*x^3-4*x^2-2*x+1)$  ogf]  
A271894 6.58428 [  $\{a(n+3)-2*a(n+2)-4*a(n+1)+6*a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$ , ogf]  
A271894 7.37439 [  $-(-18*x^4+12*x^3+8*x^2-2*x-3)/(-18*x^5+18*x^4+8*x^3-9*x^2-x+1)$  lgdogf]  
A271895 13.7241 [  $-(2*x^2-1)/(6*x^3-4*x^2-2*x+1)$  ogf]  
A271895 6.98461 [  $\{-a(n+3)+2*a(n+2)+4*a(n+1)-6*a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A271895 8.50300 [  $-(-12*x^4+14*x^2-4*x-2)/(-12*x^5+8*x^4+10*x^3-6*x^2-2*x+1)$  lgdogf]  
A271896 11.0390 [  $-(-4*x^3+12*x^2-6*x+2)/(-4*x^4+9*x^3-9*x^2+5*x-1)$  lgdogf]  
A271896 14.6584 [  $-(x-1)^2/(4*x^3-5*x^2+4*x-1)$  ogf]  
A271896 7.98358 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-4*a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$ , ogf]  
A271897 14.9993 [  $-(3*x^2-2*x+1)/(4*x^3-5*x^2+4*x-1)$  ogf]  
A271897 8.16924 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-4*a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A271897 8.88306 [  $-(-12*x^4+16*x^3-10*x^2+4*x-2)/(-12*x^5+23*x^4-26*x^3+16*x^2-6*x+1)$  lgdogf]  
A271898 15.4228 [  $-(x^2+1)/(4*x^3-5*x^2+4*x-1)$  ogf]  
A271898 7.77965 [  $\{a(n+3)-4*a(n+2)+5*a(n+1)-4*a(n), a(0) = 1, a(1) = 4, a(2) =$

12}], ogf]  
A271898 9.98978  $[-(4*x^4+8*x^2-8*x+4)/(4*x^5-5*x^4+8*x^3-6*x^2+4*x-1) \text{ lgdogf}]$   
A271899 6.38467  $[-(9*x^4+33*x^3+36*x^2+9*x+1)/(x-1)^9 \text{ ogf}]$   
A271899 8.13142  $[-(45*x^4+234*x^3+351*x^2+144*x+18)/(9*x^5+24*x^4+3*x^3-27*x^2-8*x-1) \text{ lgdogf}]$   
A271900 16.2921  $[x^{16}+x^{2*(x^2+1)} \text{ ogf\_with\_Euler\_transform}]$   
A271900 8.91525  $[-1/(x^4+x^3+x^2+x+1)/(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x-1)^3 \text{ ogf}]$   
A271902 4.25429  $[(5*x^{12}-6*x^{10}-26*x^9-7*x^8-68*x^7-88*x^6-96*x^5-61*x^4-44*x^3-18*x^2-6*x-1)/(x^2+x+1)/(x^2+1)^2/(x+1)^3/(x-1)^3 \text{ ogf}]$   
A271903 3.09363  $[-(16*x^5+64*x^4-6*x^3+9*x^2-x+1)/(x-1)/(4*x-1)/(2*x-1)/(x+1) \text{ ogf}]$   
A271904 3.88481  $[-(5*x^{12}-6*x^{10}-26*x^9-7*x^8-68*x^7-88*x^6-96*x^5-61*x^4-44*x^3-18*x^2-6*x-1)/(x+1)^3/(x^2+x+1)/(x^2+1)^2/(x-1)^4 \text{ ogf}]$   
A271911 10.2732  $[-(-4*x^3-x^2+6*x+5)/(-2*x^4+x^3+4*x^2-x-2) \text{ lgdogf}]$   
A271911 12.6440  $[2*x*(2*x^2-x-2)/(x+1)/(x-1)^3 \text{ ogf}]$   
A271915 4.20775  $[4*x*(x^{16}-x^{14}+2*x^{10}+2*x^9-x^8-x^7+5*x^6+6*x^5+6*x^4+x^3-8*x^2-15*x-6)/(x+1)/(x-1)^3 \text{ ogf}]$   
A271937 10.2042  $[-(-6*x^3-15*x^2-16*x-5)/(-3*x^4-3*x^3+2*x^2+3*x+1) \text{ lgdogf}]$   
A271937 13.7171  $[-(3*x^2+3*x+1)/(x+1)/(x-1)^3 \text{ ogf}]$   
A271939 12.9623  $[-(48*x-11)/(24*x^2-11*x+1) \text{ lgdogf}]$   
A271939 19.2583  $[8/(8*x-1)/(3*x-1) \text{ ogf}]$   
A271939 7.92987  $[{-a(n+2)+11*a(n+1)-24*a(n), a(0) = 8, a(1) = 88}, \text{ ogf}]$   
A271944 12.9521  $[2*(x+1)*x/(x^3-9*x^2-x+1) \text{ ogf}]$   
A271944 6.65106  $[{-a(n+3)+a(n+2)+9*a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 4}, \text{ ogf}]$   
A271944 9.46497  $[-(2*x^3-6*x^2-18*x-2)/(x^4-8*x^3-10*x^2+1) \text{ lgdogf}]$   
A271945 11.7396  $[-(-3*x^2+18*x+1)/(-x^3+9*x^2+x-1) \text{ lgdogf}]$   
A271945 16.9572  $[4*x^2/(x^3-9*x^2-x+1) \text{ ogf}]$   
A271945 6.93704  $[{a(n+3)-a(n+2)-9*a(n+1)+a(n), a(0) = 0, a(1) = 0, a(2) = 4}, \text{ ogf}]$   
A271970 10.6486  $[-(x-1)*(x^3-x^2-1)/(x^5+x^3+x-1) \text{ ogf}]$   
A271972 12.0819  $[-(-21*x^2-14*x+7)/(-21*x^3+5*x^2+x-1) \text{ lgdogf}]$   
A271972 17.9886  $[3*x+1/(7*x^2-4*x+1) \text{ ogf}]$   
A271972 9.87178  $[{-a(n+2)+4*a(n+1)-7*a(n), a(0) = 1, a(1) = 7}, \text{ ogf}]$   
A271994 8.84128  $[-(-2*x^5-2*x^4+8*x^3+6*x^2-18*x-8)/(-x^6+4*x^4-7*x^2+4) \text{ lgdogf}]$   
A271994 9.23864  $[2*(x^4-3*x^2+4)/(x+1)^2/(x-1)^4 \text{ ogf}]$   
A271995 7.54348  $[(x^5+x^4-2*x^3-4*x^2+x+7)/(x+1)^2/(x-1)^4 \text{ ogf}]$   
A271996 8.14098  $[2*(x^5-2*x^3-x^2+x+3)/(x+1)^2/(x-1)^4 \text{ ogf}]$   
A271997 8.14098  $[3*x^5-x^4-6*x^3+3*x+5)/(x+1)^2/(x-1)^4 \text{ ogf}]$   
A271998 6.90098  $[-2*(6*x^5-10*x^4-12*x^3+23*x^2+6*x-15)/(x+1)^2/(x-1)^4 \text{ ogf}]$   
A271999 6.48655  $[(2*x^7-4*x^6-x^5+9*x^4-6*x^3-6*x^2+9*x+1)/(x+1)^2/(x-1)^4 \text{ ogf}]$   
A272000 7.47490  $[(5*x^5-3*x^4-10*x^3+4*x^2+5*x+3)/(x+1)^2/(x-1)^4 \text{ ogf}]$   
A272007 9.10651  $[-(4*x^6-7*x^4+24*x^3+2*x^2+8*x+1)/(x+1)^3/(x-1)^3 \text{ ogf}]$   
A272009 6.94866  $[(4*x^6-7*x^4+24*x^3+2*x^2+8*x+1)/(x+1)^3/(x-1)^4 \text{ ogf}]$   
A272010 7.22740  $[(4*x^5-x^4-8*x^3+26*x^2+4*x+7)/(x-1)^2/(x+1)^3 \text{ ogf}]$   
A272039 12.8972  $[-(7*x^2+38*x+15)/(7*x^3+5*x^2-11*x-1) \text{ lgdogf}]$   
A272039 13.9373  $[-(7*x^2+12*x+1)/(x-1)^3 \text{ ogf}]$   
A272039 7.57993  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 15, a(2) = 49}, \text{ ogf}]$   
A272058 8.43209  $[-(x^5+x^4+x^3-9*x^2-9*x-3)/(x^6-2*x^4-2*x^3+2*x+1) \text{ lgdogf}]$   
A272058 8.70410  $[x^2*(x^2+x+1)*(x^2-x-1)/(x+1)^2/(x-1)^3 \text{ ogf}]$   
A272066 6.10703  $[729*x*(1000*x^2+220*x+1)/(x-1)/(100*x-1)/(1000*x-1)/(10*x-1) \text{ ogf}]$   
A272067 4.41586  $[-6561*x*(100*x+1)*(10000*x^2+3430*x+1)/(x-1)/(100*x-1)/(1000*x-1)/(10*x-1)/(10000*x-1) \text{ ogf}]$   
A272071 10.3000  $[-(-2*x^4+5*x^3-11*x^2-3*x-1)/(-x^5+2*x^4-3*x^3+x^2-2*x+3) \text{ lgdogf}]$

A272071 15.3708 [  $x^*(x^2-2*x+3)/(x^2+x+1)/(x-1)^2$  ogf]  
A272071 6.12947 [  $\{(n+4)*a(n+1)+a(n+2)+a(n+3)+(-n-3)*a(n+4), a(0) = 0, a(1) = 3, a(2) = 1, a(3) = 2\}$ , ogf]  
A272073 13.6180 [  $3*(x+1)^2/(x^4-4*x^2+1)$  ogf]  
A272073 8.82074 [  $-(-2*x^4-4*x^3+8*x+2)/(-x^5-x^4+4*x^3+4*x^2-x-1)$  lgdogf]  
A272100 10.8121 [  $-(13*x^3+27*x^2+69*x+19)/(13*x^4+7*x^3-x^2-7*x-12)$  lgdogf]  
A272100 14.7594 [  $(13*x^2+7*x+12)/(x+1)/(x-1)^2$  ogf]  
A272100 8.08557 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 12, a(1) = 19, a(2) = 44\}$ , ogf]  
A272103 17.4159 [  $-(-16*x-14)/(-4*x^2+3*x+1)$  lgdogf]  
A272103 5.69147 [  $\{(n+3)*a(n+3)+(-8+3*n)*a(n+2)+(-20-4*n)*a(n+1), a(0) = 1, a(1) = 14, a(2) = 85\}$ , ogf]  
A272103 9.78421 [  $(4*x+1)^2/(x-1)^6$  ogf]  
A272104 22.0729 [  $[-x^5+2*x^3+x+1]$  ogf\_with\_Euler\_transform]  
A272104 9.64952 [  $-2*x^3*(x^2+x+1)*(x^2-x+1)/(x+1)^2/(x^2+1)^2/(x-1)^3$  ogf]  
A272123 6.55698 [  $-(6*x^5-3*x^4+6*x^2-18*x+5)/(3*x^6+x^5-37*x^4+46*x^3-29*x^2+9*x-1)$  lgdogf]  
A272123 9.56965 [  $-x*(3*x^2-2*x+1)/(x^2-3*x+1)/(x^2+4*x-1)$  ogf]  
A272124 7.12402 [  $-(-3*x^4-176*x^3-738*x^2-480*x-43)/(-3*x^5-79*x^4-82*x^3+126*x^2+37*x+1)$  lgdogf]  
A272124 7.77166 [  $-(3*x^4+82*x^3+164*x^2+38*x+1)/(x-1)^5$  ogf]  
A272125 7.43395 [  $x*(x^4+18*x^3+42*x^2+18*x+1)/(x-1)^6$  ogf]  
A272125 7.78460 [  $-(-2*x^4-58*x^3-222*x^2-174*x-24)/(-x^5-17*x^4-24*x^3+24*x^2+17*x+1)$  lgdogf]  
A272126 8.26779 [  $-(61*x^3+1141*x^2+1495*x+183)/(61*x^4+418*x^3-300*x^2-178*x-1)$  lgdogf]  
A272126 9.67937 [  $(61*x^3+479*x^2+179*x+1)/(x-1)^4$  ogf]  
A272127 7.10571 [  $-(1385*x^4+19028*x^3+18270*x^2+1636*x+1)/(x-1)^5$  ogf]  
A272128 5.12165 [  $(50521*x^5+1073517*x^4+1949762*x^3+540242*x^2+14757*x+1)/(x-1)^6$  ogf]  
A272129 11.1407 [  $-(-113*x^2-78*x-1)/(-113*x^3+187*x^2-99*x+25)$  lgdogf]  
A272129 12.5119 [  $-(113*x^2-74*x+25)/(x-1)^3$  ogf]  
A272129 7.13396 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 25, a(1) = 1, a(2) = 41\}$ , ogf]  
A272130 8.95880 [  $-(9*x^3+145*x^2+199*x+31)/(9*x^4+50*x^3-32*x^2-26*x-1)$  lgdogf]  
A272130 9.97942 [  $(9*x^3+59*x^2+27*x+1)/(x-1)^4$  ogf]  
A272131 7.74695 [  $-(-3223*x^4+5424*x^3-3910*x^2+2136*x-427)$  lgdogf]  
A272131 8.97942 [  $(3223*x^3-2201*x^2+1709*x-427)/(x-1)^4$  ogf]  
A272132 6.46050 [  $-(142049*x^4-72660*x^3+127926*x^2-62324*x+12465)/(x-1)^5$  ogf]  
A272133 4.88718 [  $(8922919*x^5-1244143*x^4+12594614*x^3-8306446*x^2+3334387*x-555731)/(x-1)^6$  ogf]  
A272134 10.6402 [  $2*x*(17*x^2+26*x+2)/(x-1)^4$  ogf]  
A272134 11.4002 [  $-(34*x^2+112*x+34)/(17*x^3+9*x^2-24*x-2)$  lgdogf]  
A272134 3.91183 [  $\{(6+2*n)*a(n+4)+(14+24*n)*a(n+3)+(-121-9*n)*a(n+2)+(-34-17*n)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 68, a(3) = 282\}$ , ogf]  
A272144 12.2091 [  $x^2/(x+1)/(2*x-1)/(x-1)^3$  ogf]  
A272144 12.2091 [  $-(-10*x^2-4)/(2*x^3-x^2-2*x+1)$  lgdogf]  
A272144 4.00407 [  $\{(-2*n-8)*a(n+1)+a(n+2)*n+(2*n+6)*a(n+3)+(-n-2)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 4\}$ , ogf]  
A272159 5.52044 [  $-x*(4*x^59+8*x^58+27*x^4+20*x^3+12*x^2+6*x+2)/(12*x^59-8*x^58-27*x^6+34*x^5+x^4-2*x^3-2*x^2-2*x-2)$  ogf]  
A272162 7.25641 [  $-(-x^5+65*x^4+290*x^3+310*x^2+55*x+1)/(-x^6+36*x^5+15*x^4-10*x^3-45*x^2+6*x-1)$  lgdogf]  
A272162 7.69810 [  $-(x^5-35*x^4-50*x^3-40*x^2+5*x-1)/(x-1)^6$  ogf]  
A272199 14.0750 [  $-(-26*x+2)/(-13*x^2+2*x-1)$  lgdogf]  
A272199 23.4583 [  $1/(13*x^2-2*x+1)$  ogf]  
A272199 8.47892 [  $\{a(n+2)-2*a(n+1)+13*a(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A272212 7.45035 [  $-x^2*(x^2+x+1)*(x^4-2*x^3+4*x^2-2*x+1)/(x+1)^2/(x^2+1)^2/(x-1)^3$  ogf]  
A272261 10.8116 [  $4*(-1/2+1/2*(-4*x+1)^(1/2))/(4*x-1)$  lgdegf]

A272261 3.18868 [  $\{(16+8*n)*a(n+1)+(8*n^2+32*n+24)*a(n+2)+(-4*n^2-32*n-60)*a(n+3)+(n+4)*a(n+4), a(0) = 1, a(1) = 0, a(2) = 4, a(3) = 40\}$ , ogf]  
A272263 12.2108 [  $(6*x^2-2*x+1)/(x-1)/(4*x^2+2*x-1)$  ogf]  
A272263 6.59168 [  $\{a(n+3)-3*a(n+2)-2*a(n+1)+4*a(n), a(0) = 1, a(1) = 1, a(2) = 11\}$ , ogf]  
A272263 7.16212 [  $(-(-24*x^4+16*x^3-34*x^2+16*x+1)/(-24*x^5+20*x^4+10*x^3-10*x^2+5*x-1)$  lgdogf]  
A272266 8.09782 [  $-(x^6-x^5-x^3+5*x^2+3*x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A272267 6.37017 [  $-(x^{10}+4*x^7+5*x^6+x^5+12*x^4+3*x^3+5*x^2+4*x+1)/(x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]  
A272297 7.90558 [  $(- (65*x^4-230*x^3+450*x^2-230*x+65)/(65*x^5-310*x^4+640*x^3-650*x^2+319*x-64)$  lgdogf]  
A272297 8.74986 [  $-(65*x^4-245*x^3+395*x^2-255*x+64)/(x-1)^5$  ogf]  
A272298 8.44654 [  $-(325*x^4-1285*x^3+1955*x^2-1295*x+324)/(x-1)^5$  ogf]  
A272299 12.9325 [  $x*(2*x+1)*(3*x^2+2*x+1)/(x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A272303 8.59497 [  $-2*(x^7-x^6+x^5-x^4+x^3+x^2+54*x-57)/(x-1)^2$  ogf]  
A272305 5.64229 [  $2*(10*x^{19}-20*x^{18}+10*x^{17}+18*x^{11}-36*x^{10}+18*x^9+4*x^7-8*x^6+10*x^5-12*x^4+8*x^3-4*x^2+3)/(x-1)^2$  ogf]  
A272342 10.5798 [  $\{a(n+1)-8*a(n), a(0) = 27\}$ , ogf]  
A272342 20.0261 [  $8/(-8*x+1)$  lgdogf]  
A272342 21.5666 [  $-27/(8*x-1)$  ogf]  
A272352 10.6826 [  $(6*x^2-15*x+10)/(2*x-1)/(x-1)^3$  ogf]  
A272352 4.89334 [  $\{(-2*n-16)*a(n+1)+(3*n+20)*a(n+2)+(-n-6)*a(n+3), a(0) = 10, a(1) = 35, a(2) = 91\}$ , ogf]  
A272352 8.52211 [  $(- (24*x^3-84*x^2+98*x-35)/(12*x^4-48*x^3+71*x^2-45*x+10)$  lgdogf]  
A272357 4.00984 [  $\{(-127*n^2-449*n-390)*a(n+1)+(149*n^2+103*n+474)*a(n+2)+(-22*n^2-74*n-60)*a(n+3), a(0) = 0, a(1) = 8, a(2) = 520\}$ , ogf]  
A272357 7.77417 [  $-8*x*(62*x^3+192*x^2+60*x+1)/(x-1)^5$  ogf]  
A272357 8.19214 [  $(- (124*x^3+762*x^2+624*x+65)/(62*x^4+130*x^3-132*x^2-59*x-1)$  lgdogf]  
A272358 6.17463 [  $8*x*(1382*x^4+7192*x^3+5097*x^2+502*x+2)/(x-1)^6$  ogf]  
A272361 3.04276 [  $182*(x+1)/(x-1)^2$  ogf]  
A272362 10.7865 [  $-(x^4+x^3+x^2-x-1)/(x-1)/(x^4+2*x^3+2*x^2+x-1)$  ogf]  
A272365 12.4125 [  $-2*(17*x^2-28*x+5)/(x-1)/(x^2-8*x+1)$  ogf]  
A272365 6.84825 [  $\{-a(n+3)+9*a(n+2)-9*a(n+1)+a(n), a(0) = 10, a(1) = 34, a(2) = 250\}$ , ogf]  
A272365 7.22179 [  $(- (-17*x^4+56*x^3-114*x^2+56*x-17)/(-17*x^5+181*x^4-410*x^3+314*x^2-73*x+5)$  lgdogf]  
A272378 10.5248 [  $x*(x+1)*(17*x+1)/(x-1)^4$  ogf]  
A272378 11.4400 [  $(- (34*x^2+88*x+22)/(17*x^3+x^2-17*x-1)$  lgdogf]  
A272378 3.90771 [  $\{(n+3)*a(n+4)+(12+17*n)*a(n+3)+(-89-n)*a(n+2)+(-34-17*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 22, a(3) = 99\}$ , ogf]  
A272379 3.86232 [  $\{(-2874*n^2-8945*n-6394)*a(n+1)+(3396*n^2+1270*n+12236)*a(n+2)+(-522*n^2-1733*n-1378)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 86\}$ , ogf]  
A272379 8.08673 [  $-x*(155*x^3+339*x^2+81*x+1)/(x-1)^5$  ogf]  
A272379 8.08673 [  $(- (310*x^3+1482*x^2+1002*x+86)/(155*x^4+184*x^3-258*x^2-80*x-1)$  lgdogf]  
A272380 6.52439 [  $x*(2073*x^4+7712*x^3+4278*x^2+336*x+1)/(x-1)^6$  ogf]  
A272397 13.5938 [  $(- (-x^7-x^5-x^2-1)/(-x^9+1)$  ogf\_with\_Euler\_transform]  
A272398 7.12188 [  $-(x^6+x^5+6*x^4+5*x^3+4*x+1)/(x+1)/(x^2+1)^2/(x-1)^3$  ogf]  
A272399 11.6936 [  $(- (10*x^2+70*x+28)/(10*x^3+15*x^2-24*x-1)$  lgdogf]  
A272399 12.9929 [  $-(10*x^2+25*x+1)/(x-1)^3$  ogf]  
A272399 7.18026 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 28, a(2) = 91\}$ , ogf]  
A272417 4.74024 [  $-(2*x^2+x+1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A272459 8.21819 [  $(- (-3*x^4-14*x^3-34*x^2-22*x-7)/(-x^5-3*x^4-4*x^3+2*x^2+5*x+1)$  lgdogf]  
A272459 8.38764 [  $x*(x^3+3*x^2+5*x+1)/(x+1)^2/(x-1)^4$  ogf]  
A272492 3.28751 [  $\{(n^3+15*n^2+74*n+120)*a(n+1)+(-n^2-11*n-30)*a(n+2)+(-2*n-12)*a(n+3)+2*a(n+4), a(0) = 1, a(1) = 3, a(2) = 18, a(3) = 90\}$ , ogf]



A272492 5.11124 [  $2*(x^6+6*x^4-16*x^3+6*x^2+4)/(x-1)^3/(x^2-2)^3$  egf]  
A272525 13.1063 [  $1/(10*x-1)^2/(x-1)^2$  ogf]  
A272525 14.1145 [  $-(40*x-22)/(10*x^2-11*x+1)$  lgdogf]  
A272525 4.67487 [  $\{(-n-3)*a(n+3)+(44+11*n)*a(n+2)+(-50-10*n)*a(n+1), a(0) = 1, a(1) = 22, a(2) = 343\}$ , ogf]  
A272549 7.88549 [  $-x*(x^7-x^6+3*x^5+3*x^4+7*x^3-3*x^2+5*x+1)/(x+1)^2/(x^2+1)^2/(x-1)^3$  ogf]  
A272564 6.68091 [  $(4*x^{11}-8*x^9+4*x^8+4*x^7-4*x^5-x^4-20*x^3-2*x^2-8*x-1)/(x+1)^3/(x-1)^3$  ogf]  
A272566 5.47989 [  $-(4*x^{11}-8*x^9+4*x^8+4*x^7-4*x^5-x^4-20*x^3-2*x^2-8*x-1)/(x+1)^3/(x-1)^4$  ogf]  
A272567 6.13171 [  $-(4*x^{10}-8*x^8+4*x^7+4*x^6-3*x^4-22*x^2-4*x-7)/(x-1)^2/(x+1)^3$  ogf]  
A272574 9.09665 [  $x*(3*x^6+x^5+x^4+x^3+x^2+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A272576 8.70350 [  $x*(3*x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^4+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A272582 14.2450 [  $-(-4*x+14)/(-x^2+4*x-3)$  lgdegf]  
A272582 4.10591 [  $\{(-4*n^2-24*n-32)*a(n+1)+(-3*n^2-23*n-48)*a(n+2)+(6+3*n)*a(n+3), a(0) = 0, a(1) = 9, a(2) = 84\}$ , ogf]  
A272582 9.30673 [  $3*x*(x-3)/(x-1)^5$  egf]  
A272586 3.67369 [  $(8*x^4+18*x^3-19*x^2+2*x-1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A272632 12.4284 [  $-(4*x^3+3*x^2+6*x+4)/(x^4+x^2-1)$  ogf]  
A272636 13.0864 [  $-x*(6*x^6+2*x^5+5*x^4+3*x^3+2*x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A272638 6.01434 [  $(10*x^{12}+5*x^{11}+5*x^{10}-6*x^9+3*x^8-x^7-12*x^6-7*x^5-6*x^4-x^3-5*x^2-4*x-1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A272642 10.4961 [  $(x^4+x^3+x^2-x-1)/(x^4+2*x^3+2*x^2+x-1)$  ogf]  
A272646 6.72769 [  $\{-2*a(n+1)+(-4*n-9)*a(n+2)+a(n+3), a(0) = 1, a(1) = 1, a(2) = 7\}$ , ogf]  
A272647 10.3026 [  $-(x^6+3*x^5+5*x^4+4*x^3+5*x^2+3*x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A272648 5.72488 [  $-(6*x^7+1)*(x^6+x^5+x^3+x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)$  ogf]  
A272651 11.9210 [  $-4/(-x^3+3*x^2-x-1)$  lgdogf]  
A272651 5.14239 [  $\{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 1, a(1) = 4, a(2) = 6\}$ , ogf]  
A272651 9.89668 [  $-(x^2-2*x-1)/(x-1)^2$  ogf]  
A272664 6.73296 [  $x^2*(x^4-x^3-1)*(x^4-x^2+1)/(x-1)/(x+1)$  ogf]  
A272665 10.6988 [  $-(-4*x^3-6*x^2+2)/(-x^4-2*x^3+2*x-1)$  lgdogf]  
A272665 16.1671 [  $x^2/(x^4+2*x^3-2*x+1)$  ogf]  
A272665 5.96326 [  $\{-a(n+4)+2*a(n+3)-2*a(n+1)-a(n), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$ , ogf]  
A272671 8.13888 [  $(120*x^{18}-120*x^{17}+7*x^7+24*x^6-31*x^5+6*x^3+x^2-3*x-6)/(x-1)^3$  ogf]  
A272673 5.31429 [  $x*(1135*x^{21}-2160*x^{20}+1025*x^{19}+135*x^8-236*x^7+101*x^6+25*x^3-39*x^2+18*x-6)/(x-1)^3$  ogf]  
A272690 14.8153 [  $-(24*x-1)/(46*x-1)/(2*x-1)$  ogf]  
A272690 8.36631 [  $\{a(n+2)-48*a(n+1)+92*a(n), a(0) = 1, a(1) = 24\}$ , ogf]  
A272690 9.23553 [  $-(-2208*x^2+184*x-24)/(-2208*x^3+1244*x^2-72*x+1)$  lgdogf]  
A272705 8.73529 [  $-(9*x^4+4*x^3+6*x^2+4*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A272706 4.13937 [  $-(2*x+1)*(12*x^2-4*x+1)/(2*x-1)/(4*x-1)/(x-1)$  ogf]  
A272707 7.99344 [  $(9*x^4+4*x^3+6*x^2+4*x+1)/(x+1)^2/(x-1)^4$  ogf]  
A272708 10.2870 [  $-(2*x^4+2*x^3+12*x^2+6*x+2)/(2*x^5+x^4-2*x-1)$  lgdogf]  
A272708 12.8192 [  $4*(2*x+1)*(x^2+1)/(x-1)^2/(x+1)^2$  ogf]  
A272743 4.91284 [  $(4*x^3-4*x^2+1)/(4*x-1)/(x-1)$  ogf]  
A272758 6.29357 [  $-(152*x^{11}+144*x^{10}+128*x^9+64*x^8+36*x^7+32*x^6+27*x^5+16*x^4+9*x^3+8*x^2+4*x+1)/(64*x^{11}-1)$  ogf]  
A272762 2.79950 [  $-(56*x^4-40*x^3+20*x^2-7*x+1)/(x-1)/(3*x-1)/(4*x-1)/(2*x-1)^2$  ogf]

A272813 10.0186 [ {a(n+2)-2\*a(n+1)+a(n), a(0) = 0, a(1) = 1}, ogf]  
A272813 24.5911 [ x/(x-1)^2 ogf]  
A272813 28.9823 [ 2/(-x+1) lgdogf]  
A272813 62.2002 [[2] ogf\_with\_Euler\_transform]  
A272832 2.85577 [ (48\*x^6-92\*x^5+36\*x^4+6\*x^2-5\*x+1)/(x-1)/(3\*x-1)/(2\*x-1)/(4\*x-1) ogf]  
A272839 3.30219 [ (8\*x^6-24\*x^4+10\*x^2-3\*x+1)/(4\*x-1)/(2\*x-1)/(x-1)^2 ogf]  
A272850 6.56454 [ -(x^4+40\*x^3+110\*x^2+40\*x+1)/(x-1)^5 ogf]  
A272853 3.29251 [ {a(n+3)-82\*a(n+2)-82\*a(n+1)+a(n), a(0) = 9, a(1) = 791, a(2) = 65601}, ogf]  
A272853 6.17345 [ (x^2+53\*x+9)/(x+1)/(x^2-83\*x+1) ogf]  
A272854 3.28583 [ {a(n+3)-82\*a(n+2)-82\*a(n+1)+a(n), a(0) = 10, a(1) = 812, a(2) = 67402}, ogf]  
A272854 6.21228 [ -2\*(x+5)\*(x-1)/(x+1)/(x^2-83\*x+1) ogf]  
A272855 3.27927 [ {-a(n+3)+82\*a(n+2)+82\*a(n+1)-a(n), a(0) = 12, a(1) = 1010, a(2) = 83802}, ogf]  
A272855 6.15494 [ -2\*(x^2-13\*x-6)/(x+1)/(x^2-83\*x+1) ogf]  
A272870 7.47715 [ -(-4\*x^4+10\*x^3+108\*x^2+10\*x-4)/(-4\*x^5+17\*x^4+10\*x^3-32\*x^2+10\*x-1) lgdogf]  
A272870 8.01674 [ (4\*x^4-13\*x^3-23\*x^2+9\*x-1)/(x-1)^5 ogf]  
A272871 14.7221 [ 24\*x^2/(x-1)^4 ogf]  
A272871 28.3926 [4/(-x+1) lgdogf]  
A272871 60.7198 [[4] ogf\_with\_Euler\_transform]  
A272871 7.42984 [ {n\*a(n+2)+(-3-n)\*a(n+1), a(0) = 0, a(1) = 0, a(2) = 24}, ogf]  
A272912 14.2799 [ (x^5-x-1)/(x^4+x^2-1) ogf]  
A272913 3.42828 [ {(-512\*n^2-1536\*n-1152)\*a(n+1)+(72\*n^2+384\*n+600)\*a(n+2)+(-n^2-3\*n-2)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 6912}, ogf]  
A272915 9.65031 [ x\*(2\*x^5+2\*x^4+2\*x^3+2\*x^2+2\*x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2 ogf]  
A272921 2.90985 [ (32\*x^5-32\*x^4-16\*x^3+14\*x^2-5\*x+1)/(x-1)/(3\*x-1)/(2\*x-1)/(4\*x-1) ogf]  
A272931 11.3502 [ -(4\*x^2-16\*x+1)/(4\*x^3-9\*x^2+3\*x-2) lgdogf]  
A272931 16.3948 [ -(x-2)/(4\*x^2-x+1) ogf]  
A272931 8.99712 [ {a(n+2)-a(n+1)+4\*a(n), a(0) = 2, a(1) = 1}, ogf]  
A272952 6.75190 [ -(x^5+x^4-3\*x^3-2\*x^2+4\*x+2)/(x^2+x-1)/(x-1)^2/(x+1)^2 ogf]  
A272975 12.1416 [ -(10\*x^2+26\*x+12)/(5\*x^3+7\*x^2-5\*x-7) lgdogf]  
A272975 14.2717 [ x\*(5\*x+7)/(x+1)/(x-1)^2 ogf]  
A272975 7.26329 [ {-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 7, a(2) = 12}, ogf]  
A272978 10.5559 [ -(x^32-x^31+x^27-x^26+x^6-x^5-1)/(x-1)^2 ogf]  
A272982 4.61271 [ -(360\*x^6-2100\*x^5+5106\*x^4-6615\*x^3+4795\*x^2-1820\*x+280)/(3\*x-1)/(2\*x-1)^3/(x-1)^5 ogf]  
A272985 15.8248 [ (32\*x^8+48\*x^7-1)/(2\*x-1) ogf]  
A272985 8.67811 [ -(-448\*x^8-320\*x^7+336\*x^6-2)/(64\*x^9+64\*x^8-48\*x^7-2\*x+1) lgdogf]  
A273050 12.6237 [ x\*(6\*x+5)/(x-1)/(x+1)/(8\*x^2-1) ogf]  
A273052 10.6351 [ -(x^2+2\*x-17)/(x^3-15\*x^2-15\*x+1) lgdogf]  
A273052 15.4903 [ 2\*(x+1)/(x^2-16\*x+1) ogf]  
A273052 8.48279 [ {-a(n+2)+16\*a(n+1)-a(n), a(0) = 2, a(1) = 34}, ogf]  
A273053 15.1976 [ -(2\*x-8)/(x^2-8\*x+1) lgdogf]  
A273053 19.7158 [ 4\*x/(x^2-8\*x+1) ogf]  
A273053 9.00599 [ {a(n+2)-8\*a(n+1)+a(n), a(0) = 0, a(1) = 4}, ogf]  
A273054 9.63457 [ 2\*(x+1)\*(2\*x^2+9\*x+2)/(x^4-340\*x^2+1) ogf]  
A273109 5.84051 [ (8\*x^5+4\*x^4-1)/(2\*x-1) ogf]  
A273123 10.4442 [ {-a(n+2)+4\*a(n), a(0) = 85, a(1) = 130}, ogf]  
A273123 15.9037 [ -5\*(26\*x+17)/(2\*x-1)/(2\*x+1) ogf]  
A273123 9.45624 [ -(104\*x^2+136\*x+26)/(104\*x^3+68\*x^2-26\*x-17) lgdogf]  
A273131 6.93425 [ (48\*x^13+104\*x^12+16\*x^9+8\*x^8+12\*x^7+10\*x^6+4\*x^5+4\*x^4+2\*x^3-1)/(2\*x-1) ogf]  
A273144 7.52369 [ -(x^7+4\*x^6+22\*x^5+17\*x^4+25\*x^3+18\*x^2+8\*x+1)/(x^2+1)/(x+1)^3/(x-1)^3 ogf]

A273145 3.72019 [  $(8x^4-10x^3+x^2-x-1)/(x-1)/(2x-1)/(4x-1)$  ogf]  
A273146 5.97482 [  $(x^7+4x^6+22x^5+17x^4+25x^3+18x^2+8x+1)/(x+1)^3/(x^2+1)/(x-1)^4$  ogf]  
A273147 6.10933 [  $(3x^5+23x^4+18x^3+26x^2+19x+7)/(x^2+1)/(x-1)^2/(x+1)^3$  ogf]  
A273165 4.67335 [  $-(2x^{25}-x^{23}+x^{21}-x^{19}+x^{18}-2x^{17}+2x^{16}-x^{12}+x^{11}-x^8+x^6+2)/(x-1)$  ogf]  
A273180 10.1583 [  $(4x^4+2x^3+6x^2+2x+1)/(x-1)/(x^2+x+1)/(16x^3-1)$  ogf]  
A273182 15.3264 [  $-(2x-6)/(x^2-6x+1)$  lgdogf]  
A273182 21.6373 [  $14/(x^2-6x+1)$  ogf]  
A273182 8.75795 [  $\{-a(n+2)+6a(n+1)-a(n), a(0) = 14, a(1) = 84\}$ , ogf]  
A273187 10.9603 [  $-(49x^2-244x+99)/(x-1)/(x^2-6x+1)$  ogf]  
A273187 6.03744 [  $\{-a(n+3)+7a(n+2)-7a(n+1)+a(n), a(0) = 99, a(1) = 449, a(2) = 2499\}$ , ogf]  
A273189 11.3082 [  $-(x^2+44x+51)/(x-1)/(x^2-6x+1)$  ogf]  
A273189 6.03744 [  $\{a(n+3)-7a(n+2)+7a(n+1)-a(n), a(0) = 51, a(1) = 401, a(2) = 2451\}$ , ogf]  
A273189 6.47653 [  $(-(-x^4-88x^3+162x^2+712x-401)/(-x^5-37x^4+250x^3+50x^2-313x+51))$  lgdogf]  
A273220 12.3127 [  $(-(-3x^2+14x+37)/(-3x^3+13x^2-x-9))$  lgdogf]  
A273220 13.3057 [  $(3x^2-10x-9)/(x-1)^3$  ogf]  
A273220 7.23643 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 9, a(1) = 37, a(2) = 81\}$ , ogf]  
A273225 13.7556 [  $(-(-2x^3-2x^2-2)/(-x^4+1))$  ogf\_with\_Euler\_transform]  
A273226 16.1750 [  $(-(-3x^3-3x^2-3)/(-x^4+1))$  ogf\_with\_Euler\_transform]  
A273228 16.8282 [  $(-(-4x^3-4x^2-4)/(-x^4+1))$  ogf\_with\_Euler\_transform]  
A273251 4.08188 [  $(16x^3-16x^2+2x-1)/(x-1)/(2x-1)/(4x-1)$  ogf]  
A273308 12.5045 [  $-2x(x^3-x^2-2)/(x^2+x+1)/(x-1)^2$  ogf]  
A273308 5.24382 [  $\{(2n+7)a(n)+2a(n+1)+2a(n+2)+(-2n-5)a(n+3), a(0) = 0, a(1) = 4, a(2) = 4, a(3) = 6\}$ , ogf]  
A273308 8.83470 [  $(-(-x^5+x^4+6x^2+4x+2)/(-x^6+x^5+3x^3-x^2-2))$  lgdogf]  
A273309 10.7504 [  $(4x^5-8x^3-9x^2-2x-1)/(x+1)/(x-1)^3$  ogf]  
A273310 3.69679 [  $(32x^4+16x^3-26x^2+3x-1)/(x-1)/(2x-1)/(4x-1)$  ogf]  
A273311 8.88199 [  $(-4x^5-8x^3-9x^2-2x-1)/(x+1)/(x-1)^4$  ogf]  
A273312 11.7390 [  $(-4x^4-7x^2-10x-3)/(x+1)/(x-1)^2$  ogf]  
A273312 5.55223 [  $\{a(n+5)-a(n+4)-a(n+3)+a(n+2), a(0) = 3, a(1) = 13, a(2) = 23, a(3) = 33, a(4) = 39\}$ , ogf]  
A273313 3.74300 [  $(32x^4+8x^3-20x^2+2x-1)/(x-1)/(2x-1)/(4x-1)$  ogf]  
A273314 9.07720 [  $(-(-12x^3+22x^2+16x+6)/(-4x^5+8x^4+x^3-3x^2-x-1))$  lgdogf]  
A273314 9.71794 [  $(-4x^4-4x^3-5x^2-2x-1)/(x-1)^4$  ogf]  
A273315 12.0843 [  $(-(-x^3+3x^2-3x-3)/(x^4-2x^3+1))$  lgdogf]  
A273315 13.4710 [  $-4(x^3-x^2-x-1)/(x-1)^2$  ogf]  
A273315 7.02333 [  $\{a(n+4)-2a(n+3)+a(n+2), a(0) = 4, a(1) = 12, a(2) = 24, a(3) = 32\}$ , ogf]  
A273316 10.1978 [  $(-(-x^3+3x^2+21x+9)/(-x^4+4x^3+2x^2-4x-1))$  lgdogf]  
A273316 10.7276 [  $(-(x+1)(x^2-4x-1)/(x-1)^4)$  ogf]  
A273316 4.53860 [  $\{(-9n^2-57n-78)a(n+1)+(2n^2-32n-126)a(n+2)+(7n^2+41n+60)a(n+3), a(0) = 1, a(1) = 9, a(2) = 33\}$ , ogf]  
A273321 10.3540 [  $(-(-6x^3+30x^2-27x+103)/(-6x^4+30x^3-49x^2+57x-32))$  lgdogf]  
A273321 11.2488 [  $-2(6x^3-24x^2+25x-32)/(x-1)^4$  ogf]  
A273321 4.46644 [  $\{(750n^2+4458n+5916)a(n+1)+(85n^2+6296n+18123)a(n+2)+(-835n^2-5999n-10482)a(n+3), a(0) = 64, a(1) = 206, a(2) = 488\}$ , ogf]  
A273322 8.46315 [  $(-(-8x^3+68x^2-4x+268)/(-8x^4+54x^3-78x^2+107x-75))$  lgdogf]  
A273322 9.08240 [  $-2(8x^3-46x^2+32x-75)/(x-1)^4$  ogf]  
A273324 9.79349 [  $(2x^6+3x^5+x^4+4x^3+x^2+3x+2)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A273325 3.54759 [  $\{(64n^2+32n)a(n)+(72n^2+324n+252)a(n+1)+(-18n^2-18n+36)a(n+2)+(-n^2-5n-6)a(n+3), a(0) = 1, a(1) = 2, a(2) = 36\}$ , ogf]  
A273327 3.14643 [  $(28x^5-32x^4-8x^3+4x^2+3x-1)/(x-1)/(3x-1)/(4x-1)$  ogf]

A273331 4.30818 [  $(4x^4+4x^3-4x^2+1)/(4x-1)/(x-1)$  ogf]  
A273334 7.73628 [  $-(-14x^5+52x^4-68x^3+32x^2+18x+4)/(7x^6-24x^5+25x^4-7x^2-1)$  lgdogf]  
A273334 9.62537 [  $-(7x^5-17x^4+8x^3+8x^2+x+1)/(x-1)^3$  ogf]  
A273335 4.75302 [  $-(32x^3-32x^2+2x-1)/(4x-1)/(2x-1)$  ogf]  
A273336 7.79269 [  $-(-7x^5+35x^4-60x^3+40x^2+19x+5)/(7x^6-24x^5+25x^4-7x^2-1)$  lgdogf]  
A273336 8.78750 [  $(7x^5-17x^4+8x^3+8x^2+x+1)/(x-1)^4$  ogf]  
A273337 11.7390 [  $(7x^4-17x^3+8x^2+7x+3)/(x-1)^2$  ogf]  
A273337 6.32100 [  $\{a(n+5)-2a(n+4)+a(n+3), a(0) = 3, a(1) = 13, a(2) = 31, a(3) = 32, a(4) = 40\}$ , ogf]  
A273339 4.94041 [  $-2*(3x^{15}+2x^{14}+2x^{13}+2x^{12}+2x^{11}+2x^{10}+2x^9+2x^8+2x^7+2x^6+2x^5+2x^4+2x^3+2x^2+2x+2)/(x-1)/(x+1)/(x^2+1)/(x^4+1)/(x^8+1)$  ogf]  
A273348 12.6977 [  $-(x^3-2x^2-2x+2)/(x-1)/(x+1)/(2x-1)^2$  ogf]  
A273348 4.79275 [  $\{(-10n-76)*a(n+1)+(5n+33)*a(n+2)+(10n+76)*a(n+3)+(-5n-33)*a(n+4), a(0) = 2, a(1) = 6, a(2) = 16, a(3) = 39\}$ , ogf]  
A273348 9.13758 [  $-(-2x^5+7x^4+10x^3-15x^2-4x+6)/(-2x^6+5x^5+4x^4-11x^3+6x-2)$  lgdogf]  
A273365 8.77614 [  $-2x*(3x^2+4x+3)/(x+1)^2/(x-1)^3$  ogf]  
A273365 9.60631 [  $-(9x^3+19x^2+25x+7)/(3x^4+4x^3-4x-3)$  lgdogf]  
A273366 11.0107 [  $-(x^2+18x+11)/(x^3+7x^2-7x-1)$  lgdogf]  
A273366 11.7211 [  $-2*(x^2+8x+1)/(x-1)^3$  ogf]  
A273366 6.37464 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 2, a(1) = 22, a(2) = 62\}$ , ogf]  
A273367 7.60243 [  $-(x^4+2x^3+14x^2+2x+1)/(x+1)^2/(x-1)^3$  ogf]  
A273368 8.66911 [  $-4x*(x^2+3x+1)/(x+1)^2/(x-1)^3$  ogf]  
A273368 9.60631 [  $-(-3x^3-13x^2-10x-4)/(-x^4-3x^3+3x+1)$  lgdogf]  
A273372 8.47158 [  $-(x^4+80x^3+38x^2+80x+1)/(x+1)^2/(x-1)^3$  ogf]  
A273373 8.28989 [  $-4*(4x^4+5x^3+32x^2+5x+4)/(x+1)^2/(x-1)^3$  ogf]  
A273374 8.13835 [  $-(9x^4+40x^3+102x^2+40x+9)/(x+1)^2/(x-1)^3$  ogf]  
A273375 8.22312 [  $-4*(x^4+15x^3+18x^2+15x+1)/(x+1)^2/(x-1)^3$  ogf]  
A273384 9.51474 [  $-(8x^5-20x^4+12x^3+5x^2+2x+1)/(x-1)^3$  ogf]  
A273385 3.69679 [  $-(32x^4-56x^3+28x^2-2x+1)/(x-1)/(2x-1)/(4x-1)$  ogf]  
A273386 8.69500 [  $(8x^5-20x^4+12x^3+5x^2+2x+1)/(x-1)^4$  ogf]  
A273387 11.5737 [  $4*(2x^4-5x^3+3x^2+x+1)/(x-1)^2$  ogf]  
A273387 6.32100 [  $\{a(n+5)-2a(n+4)+a(n+3), a(0) = 4, a(1) = 12, a(2) = 32, a(3) = 32, a(4) = 40\}$ , ogf]  
A273387 8.74181 [  $-(4x^4-13x^3+15x^2-7x-3)/(-2x^5+7x^4-8x^3+2x^2+1)$  lgdogf]  
A273405 10.6126 [  $(4x^4-4x^3-13x^2-2x-1)/(x+1)/(x-1)^3$  ogf]  
A273406 8.78750 [  $-(4x^4-4x^3-13x^2-2x-1)/(x+1)/(x-1)^4$  ogf]  
A273407 11.7390 [  $-(4x^3-3x^2-14x-3)/(x+1)/(x-1)^2$  ogf]  
A273407 6.08689 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 3, a(1) = 17, a(2) = 23, a(3) = 33\}$ , ogf]  
A273407 9.66741 [  $-(-x^3+19x^2+29x+17)/(-4x^5+3x^4+18x^3-14x-3)$  lgdogf]  
A273408 10.0735 [  $-(4x^3-6x^2-24x-6)/(4x^4-13x^3+7x^2+x+1)$  lgdogf]  
A273408 10.7276 [  $-(4x^3-9x^2-2x-1)/(x-1)^4$  ogf]  
A273408 4.39375 [  $\{(60n^2+408n+576)*a(n+1)+(-82n^2-365n-168)*a(n+2)+(22n^2+71n+15)*a(n+3), a(0) = 1, a(1) = 6, a(2) = 27\}$ , ogf]  
A273417 8.80619 [  $(5x^6-7x^5+3x^4-x^3-13x^2-2x-1)/(x+1)/(x-1)^3$  ogf]  
A273418 3.69679 [  $(24x^4+22x^3-27x^2+3x-1)/(x-1)/(2x-1)/(4x-1)$  ogf]  
A273419 7.50932 [  $-(5x^6-7x^5+3x^4-x^3-13x^2-2x-1)/(x+1)/(x-1)^4$  ogf]  
A273420 10.5350 [  $-(5x^5-7x^4+3x^3-14x-3)/(x+1)/(x-1)^2$  ogf]  
A273443 8.53384 [  $-(7x^6-18x^5+16x^4-11x^3+12x^2+x+1)/(x-1)^3$  ogf]  
A273446 4.15889 [  $-(56x^4-10x^3-25x^2+2x-1)/(4x-1)/(2x-1)$  ogf]  
A273447 7.86690 [  $(7x^6-18x^5+16x^4-11x^3+12x^2+x+1)/(x-1)^4$  ogf]  
A273448 10.1448 [  $(7x^5-18x^4+16x^3+3x^2+11x+3)/(x-1)^2$  ogf]  
A273465 6.70078 [  $-(2x^6+x^4-6x^3+3x^2+2x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A273480 9.28118 [  $-(-5x^3+13x^2-35x-5)/(-5x^5+20x^4-31x^3+15x^2+1)$  lgdogf]  
A273480 9.49454 [  $(5x^4-15x^3+16x^2+x+1)/(x-1)^4$  ogf]

A273481 13.0433 [  $(5x^3-15x^2+15x+3)/(x-1)^2$  ogf ]  
A273481 7.02333 [  $\{a(n+4)-2a(n+3)+a(n+2), a(0) = 3, a(1) = 21, a(2) = 24, a(3) = 32\}$ , ogf ]  
A273481 9.55500 [  $-(5x^3-15x^2+15x-21)/(-5x^4+20x^3-30x^2+12x+3)$  lgdogf ]  
A273489 2.79977 [  $(384x^6-320x^5+72x^4+6x^2-5x+1)/(x-1)/(3x-1)/(2x-1)/(4x-1)$  ogf ]  
A273539 4.75302 [  $-(16x^2-2x+1)/(x-1)/(2x-1)/(4x-1)$  ogf ]  
A273565 3.72019 [  $(2x^4+7x^3-14x^2+3x-1)/(x-1)/(2x-1)/(4x-1)$  ogf ]  
A273570 4.02221 [  $-(32x^4+8x^3-2x+1)/(x-1)/(2x-1)/(4x-1)$  ogf ]  
A273596 4.76975 [  $\{a(n+1)+(n+2)a(n+2)+(-n-5)a(n+3)+a(n+4), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 32\}$ , ogf ]  
A273622 10.5609 [  $(x^2+1)/(x^2+x-1)/(x^2+4x-1)$  ogf ]  
A273622 6.53770 [  $(-2x^5-5x^4-4x^3-20x^2-2x+5)/(-x^6-5x^5-3x^4-3x^2+5x-1)$  lgdogf ]  
A273623 7.44761 [  $(x^4-x^3+8x^2+x+1)/(x^2+x-1)/(x^2+4x-1)/(x^2-x-1)$  ogf ]  
A273624 9.70869 [  $(x^2-10x+1)/(x^2-7x+1)/(x^2-18x+1)$  ogf ]  
A273625 6.41467 [  $(x^4-14x^3+40x^2-14x+1)/(x^2-7x+1)/(x^2-3x+1)/(x^2-18x+1)$  ogf ]  
A273626 9.03565 [  $(x^2-10x+1)/(x^2-34x+1)/(x^2-6x+1)$  ogf ]  
A273627 9.31466 [  $(x^2+8x+1)/(x^2-34x+1)/(x^2-6x+1)$  ogf ]  
A273652 4.23264 [  $\{(2n^2+18n+40)a(n+1)+(-3n^2-21n-30)a(n+2)+(n^2+5n+6)a(n+3), a(0) = 2, a(1) = 9, a(2) = 30\}$ , ogf ]  
A273652 7.08077 [  $(-54x^4+120x^3-108x^2+48x-9)/(-18x^5+57x^4-72x^3+46x^2-15x+2)$  lgdogf ]  
A273652 7.73104 [  $-(3x-2)*(3x^2-3x+1)/(2x-1)^3/(x-1)^3$  ogf ]  
A273669 13.0188 [  $(-x^3-15x^2-15x-9)/(-x^4-7x^3-x^2+7x+2)$  lgdogf ]  
A273669 17.5007 [  $(x^2+7x+2)/(x+1)/(x-1)^2$  ogf ]  
A273669 9.44726 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 9, a(2) = 12\}$ , ogf ]  
A273675 9.60273 [  $(x^5-4x^4+7x^3-8x^2-x-1)/(x-1)^3$  ogf ]  
A273676 3.67369 [  $(-8x^4-22x^3+19x^2-3x+1)/(x-1)/(2x-1)/(4x-1)$  ogf ]  
A273677 8.76142 [  $(-x^5-4x^4+7x^3-8x^2-x-1)/(x-1)^4$  ogf ]  
A273678 11.9639 [  $(-x^4-4x^3+7x^2-7x-3)/(x-1)^2$  ogf ]  
A273678 8.25510 [  $(-2x^4-8x^3+12x^2-7x+13)/(-x^5+5x^4-11x^3+14x^2-4x-3)$  lgdogf ]  
A273724 11.2610 [  $x^3*(5x^6-3x^5+2x^4+3x^2-x+2)/(x^4+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf ]  
A273735 5.91169 [  $(x^{13}+2x^{12}+3x^{11}+4x^{10}+5x^9+6x^8+7x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(8x^7-1)$  ogf ]  
A273736 5.21881 [  $(x^{15}+2x^{14}+3x^{13}+4x^{12}+5x^{11}+6x^{10}+7x^9+8x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(3x^4-1)/(3x^4+1)$  ogf ]  
A273737 4.68272 [  $(x^{17}+2x^{16}+3x^{15}+4x^{14}+5x^{13}+6x^{12}+7x^{11}+8x^{10}+9x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(10x^9-1)$  ogf ]  
A273738 4.18799 [  $(x^{19}+2x^{18}+3x^{17}+4x^{16}+5x^{15}+6x^{14}+7x^{13}+8x^{12}+9x^{11}+10x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(11x^{10}-1)$  ogf ]  
A273743 10.7504 [  $(-x^4-3x^3+4x^2+5x+1)/(x-1)^3$  ogf ]  
A273743 5.63117 [  $\{a(n+5)-3a(n+4)+3a(n+3)-a(n+2), a(0) = 1, a(1) = 8, a(2) = 25, a(3) = 49, a(4) = 81\}$ , ogf ]  
A273743 8.53384 [  $(-(-x^4+4x^3-5x^2+18x+8))/(x^5-4x^4+7x^3+x^2-4x-1)$  lgdogf ]  
A273744 9.28118 [  $(-x^3-x^2+23x+9)/(x^5-4x^4+7x^3+x^2-4x-1)$  lgdogf ]  
A273744 9.71794 [  $(x^4-3x^3+4x^2+5x+1)/(x-1)^4$  ogf ]  
A273745 10.1448 [  $(-(-x^3+3x^2-3x+17))/(x^4-4x^3+6x^2+4x-7)$  lgdogf ]  
A273745 13.4710 [  $(x+1)*(x^2-4x+7)/(x-1)^2$  ogf ]  
A273745 7.02333 [  $\{a(n+4)-2a(n+3)+a(n+2), a(0) = 7, a(1) = 17, a(2) = 24, a(3) = 32\}$ , ogf ]  
A273766 8.80619 [  $(-x^6+5x^5-16x^4+8x^3+8x^2+x+1)/(x-1)^3$  ogf ]  
A273767 3.36449 [  $(-8x^5+26x^4-63x^3+34x^2-3x+1)/(x-1)/(2x-1)/(4x-1)$  ogf ]  
A273768 8.09828 [  $(x^6+5x^5-16x^4+8x^3+8x^2+x+1)/(x-1)^4$  ogf ]  
A273769 10.5350 [  $(x^5+5x^4-16x^3+8x^2+7x+3)/(x-1)^2$  ogf ]  
A273780 7.95944 [  $(-3x^6-4x^5-9x^4+16x^3-26x-4)/(-x^7+5x^5-16x^3+11x^2+1)$

lgdogf]  
 A273780 8.80619 [  $-(x^6+x^5-4x^4-4x^3+12x^2+x+1)/(x-1)^3$  ogf]  
 A273781 8.09828 [  $(x^6+x^5-4x^4-4x^3+12x^2+x+1)/(x-1)^4$  ogf]  
 A273782 10.5350 [  $(x^5+x^4-4x^3-4x^2+11x+3)/(x-1)^2$  ogf]  
 A273782 8.30030 [  $-(3x^5-3x^4-8x^3+12x^2-3x-17)/(-x^6+5x^4-15x^2+8x+3)$   
 lgdogf]  
 A273789 10.4783 [  $-(4x^4-12x^3+13x^2+2x+1)/(x-1)^3$  ogf]  
 A273789 5.63117 [  $\{-a(n+5)+3a(n+4)-3a(n+3)+a(n+2), a(0) = 1, a(1) = 5, a(2) = 25, a(3) = 49, a(4) = 81\}$ , ogf]  
 A273789 8.11551 [  $-(4x^4-16x^3+23x^2-30x-5)/(-4x^5+16x^4-25x^3+11x^2+x+1)$   
 lgdogf]  
 A273790 8.88199 [  $-(-4x^3+10x^2-32x-6)/(-4x^5+16x^4-25x^3+11x^2+x+1)$   
 lgdogf]  
 A273790 9.49454 [  $(4x^4-12x^3+13x^2+2x+1)/(x-1)^4$  ogf]  
 A273791 10.2716 [  $-(x^3-3x^2+3x-5)/(-x^4+4x^3-6x^2+2x+1)$  lgdogf]  
 A273791 13.0433 [  $4*(x^3-3x^2+3x+1)/(x-1)^2$  ogf]  
 A273791 7.02333 [  $\{a(n+4)-2a(n+3)+a(n+2), a(0) = 4, a(1) = 20, a(2) = 24, a(3) = 32\}$ , ogf]  
 A273796 2.91405 [  $-(16x^5-4x^4-4x^3-6x^2+5x-1)/(x-1)/(3x-1)/(2x-1)/(4x-1)$  ogf]  
 A273828 3.27669 [  $(32x^5-24x^4+4x^3-4x^2+2x-1)/(x-1)/(2x-1)/(4x-1)$  ogf]  
 A273831 8.80619 [  $(x^6-3x^5+7x^4-5x^3-13x^2-2x-1)/(x+1)/(x-1)^3$  ogf]  
 A273832 3.74300 [  $-(8x^4-46x^3+31x^2-3x+1)/(x-1)/(2x-1)/(4x-1)$  ogf]  
 A273833 7.50932 [  $-(x^6-3x^5+7x^4-5x^3-13x^2-2x-1)/(x+1)/(x-1)^4$  ogf]  
 A273834 9.55500 [  $-(x^5-3x^4+7x^3-4x^2-14x-3)/(x+1)/(x-1)^2$  ogf]  
 A273845 16.8937 [  $-(-2x^2-3x-3)/(-x^3+1)$  ogf\_with\_Euler\_transform]  
 A273847 8.71349 [  $-(5x^7-11x^6+7x^5-7x^4+12x^3+12x^2+x+1)/(x-1)^3$  ogf]  
 A273848 3.32711 [  $-(32x^5-16x^4-42x^3+31x^2-3x+1)/(x-1)/(2x-1)/(4x-1)$  ogf]  
 A273849 8.01966 [  $(5x^7-11x^6+7x^5-7x^4+12x^3+12x^2+x+1)/(x-1)^4$  ogf]  
 A273850 10.4016 [  $(5x^6-11x^5+7x^4-7x^3+11x+3)/(x-1)^2$  ogf]  
 A273860 3.28249 [  $(4x^4+4x^3+2x^2-3x+1)/(4x-1)/(2x-1)/(x-1)^2$  ogf]  
 A273935 3.09676 [  $\{(-2n^3-4n^2-2n)*a(n)+(-2n^3-9n^2-16n-9)*a(n+1)+(3n^2+14n+17)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 3\}$ , egf]  
 A273961 3.88023 [  $(6x^7-33x^6+25x^5+72x^4-82x^3-x^2+18x-2)/(x-1)/(x^2+x-1)/(18x^4-41x^3+6x^2+12x-1)$  ogf]  
 A273981 4.93271 [  $\{a(n+5)-3a(n+4)+3a(n+3)-a(n+2), a(0) = 1, a(1) = 4, a(2) = 26, a(3) = 56, a(4) = 98\}$ , ogf]  
 A273981 9.17858 [  $-(4x^4-11x^3+17x^2+x+1)/(x-1)^3$  ogf]  
 A273982 12.5462 [  $-(4x^2+18x+8)/(4x^3+x^2-4x-1)$  lgdogf]  
 A273982 13.3689 [  $-(x+1)*(4x+1)/(x-1)^3$  ogf]  
 A273982 7.21681 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 8, a(2) = 25\}$ , ogf]  
 A274032 10.3401 [  $(x^2-18x-3)/(x^3+x^2-9x-1)$  ogf]  
 A274032 5.67333 [  $\{-a(n+3)-9a(n+2)+a(n+1)+a(n), a(0) = 3, a(1) = -9, a(2) = 83\}$ , ogf]  
 A274032 6.22414 [  $-(x^4-36x^3-18x^2-4x+9)/(x^5-17x^4-30x^3+158x^2+45x+3)$   
 lgdogf]  
 A274039 11.2108 [  $-(-4x^6+6x^5+2)/(x^7-x^6+x-1)$  lgdogf]  
 A274039 14.1173 [  $x^4*(x^2+1)*(x^4-x^2+1)/(x-1)^2$  ogf]  
 A274039 25.3131 [  $-x^{11}+x^5+2$  ogf\_with\_Euler\_transform]  
 A274047 10.4082 [  $-(x^7-x^6+x^5+2x^4-x^3+x^2-2x-2)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
 A274056 5.21955 [  $\{(-8n^3-56n^2-126n-90)*a(n+1)+(n+4)*a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
 A274067 4.98884 [  $(2x^{12}+12x^{10}-38x^9+22x^8+109x^7-76x^6-233x^5+181x^4+115x^3-76x^2-45x-5)/(x+1)^2/(x-1)^3$  ogf]  
 A274072 14.9822 [  $-(-10x-4)/(-5x^2-4x+1)$  lgdogf]  
 A274072 19.8414 [  $-6x/(x+1)/(5x-1)$  ogf]  
 A274072 9.06333 [  $\{-a(n+2)+4a(n+1)+5a(n), a(0) = 0, a(1) = 6\}$ , ogf]  
 A274073 15.0376 [  $-(-12x-5)/(-6x^2-5x+1)$  lgdogf]

A274073 19.9146 [  $-7*x/(x+1)/(6*x-1)$  ogf]  
A274073 9.09679 [  $\{-a(n+2)+5*a(n+1)+6*a(n), a(0) = 0, a(1) = 7\}$ , ogf]  
A274074 10.7243 [  $-(30*x^2-24*x-5)/(30*x^3+13*x^2-15*x+2)$  lgdogf]  
A274074 16.4439 [  $(5*x-2)/(x+1)/(6*x-1)$  ogf]  
A274074 9.02410 [  $\{-a(n+2)+5*a(n+1)+6*a(n), a(0) = 2, a(1) = 5\}$ , ogf]  
A274075 11.6971 [  $(9*x^2-2*x-3)/(x^3+9*x^2-x-1)$  ogf]  
A274075 6.31437 [  $\{-a(n+3)-a(n+2)+9*a(n+1)+a(n), a(0) = 3, a(1) = -1, a(2) = 19\}$ , ogf]  
A274075 7.06459 [  $(-(-9*x^4+4*x^3+18*x^2+36*x-1)/(-9*x^5-79*x^4+30*x^3+34*x^2-5*x-3))$  lgdogf]  
A274077 10.2195 [  $-(3*x^3-16*x^2+11*x-4)/(x-1)^4$  ogf]  
A274077 3.95753 [  $\{(1735*n^2+9341*n+11742)*a(n+1)+(-2816*n^2-11152*n-9000)*a(n+2)+(1081*n^2+3773*n+1590)*a(n+3), a(0) = 4, a(1) = 5, a(2) = 12\}$ , ogf]  
A274077 9.61115 [  $(-(-3*x^3+23*x^2-x+5)/(-3*x^4+19*x^3-27*x^2+15*x-4))$  lgdogf]  
A274093 22.3061 [  $(-(-2-x)/(x-1))$  ogf\_with\_Euler\_transform]  
A274094 21.8878 [  $(-(-2-x)/(x-1))$  ogf\_with\_Euler\_transform]  
A274100 5.87575 [  $(-(16*x^6+18*x^5+27*x^4-5*x^3-32*x^2+12*x-1)/(x-1)/(4*x-1)/(2*x-1)/(8*x-1)/(x+1))$  ogf]  
A274104 3.44753 [  $\{(4*n^2+22*n+30)*a(n+1)+(-9*n^2-62*n-110)*a(n+2)+(6*n^2+49*n+100)*a(n+3)+(-n^2-9*n-20)*a(n+4), a(0) = 2, a(1) = 7, a(2) = 23, a(3) = 78\}$ , ogf]  
A274110 12.6837 [  $(-(x^4+x^2-1)/(x-1)/(x+1)/(x^3-x^2+2*x-1))$  ogf]  
A274119 9.40023 [  $(-(42*x^2+270*x+120)/(21*x^3+55*x^2-65*x-11))$  lgdogf]  
A274119 9.53079 [  $(21*x^2+76*x+11)/(x-1)^4$  ogf]  
A274129 10.7907 [  $11*(x-1)/(2*x-1)/(11*x-1)^2$  ogf]  
A274129 5.26376 [  $\{a(n+3)-24*a(n+2)+165*a(n+1)-242*a(n), a(0) = 11, a(1) = 253, a(2) = 4257\}$ , ogf]  
A274129 9.24919 [  $(-(-44*x^2+77*x-23)/(-22*x^3+35*x^2-14*x+1))$  lgdogf]  
A274136 3.79365 [  $\{(-4*n^4-46*n^3-198*n^2-378*n-270)*a(n+1)+(n^2+6*n+8)*a(n+2), a(0) = 1, a(1) = 16\}$ , ogf]  
A274161 5.69101 [  $(6*x^14-2*x^13+8*x^11-2*x^10-2*x^9+2*x^8+3*x^6+4*x^5+6*x^4+4*x^3+4*x^2+x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A274201 6.94604 [  $(-(x-1)*(x^4+x^3+x^2+x+1)*(x^8-x^7+x^5-x^4+x^3-x+1)*(x^2+x+1)^2/(x^20+x^19+x^18-x^15-x^4-x^3+1))$  ogf]  
A274203 11.0227 [  $-x*(x^3+x-1)/(x-1)/(x^4+2*x^3+3*x^2+2*x-1)$  ogf]  
A274217 7.08483 [  $-x*(5*x^6-6*x^5-4*x^4+6*x^2+4*x-4)/(x+1)/(x^2+x+1)/(2*x-1)^2/(x-1)^2$  ogf]  
A274220 13.6048 [  $(-3*x^2+8*x+3)/(x^3-3*x^2-4*x-1)$  ogf]  
A274220 7.34419 [  $\{-a(n+3)-4*a(n+2)-3*a(n+1)+a(n), a(0) = 3, a(1) = -4, a(2) = 10\}$ , ogf]  
A274220 8.21676 [  $(-(-3*x^4-16*x^3+3*x^2+12*x+4)/(-3*x^5+x^4+33*x^3+44*x^2+20*x+3))$  lgdogf]  
A274221 6.92256 [  $-x^2*(x^4+3*x^3+x^2+3*x+1)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A274230 16.7370 [  $-x^2/(2*x-1)/(x-1)/(2*x^2-1)$  ogf]  
A274230 5.62473 [  $\{a(n+4)-3*a(n+3)+6*a(n+1)-4*a(n), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3\}$ , ogf]  
A274230 9.80310 [  $(-(-16*x^3+18*x^2-3)/(-4*x^4+6*x^3-3*x+1))$  lgdogf]  
A274232 10.7821 [  $(-(2*x^3+4*x^2-5*x+1)/(x-1)/(2*x-1)/(4*x-1))$  ogf]  
A274232 5.63244 [  $\{-a(n+4)+7*a(n+3)-14*a(n+2)+8*a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 10\}$ , ogf]  
A274233 5.09319 [  $(-(x^8-3*x^7+6*x^6-7*x^5+9*x^4-7*x^3+6*x^2-3*x+1)/(x^2+1)/(x^2+x+1)/(x-1)^5)$  ogf]  
A274248 8.24424 [  $(-(-2*x^4-12*x^3-20*x^2-17*x-5)/(-x^5-3*x^4-x^3+2*x^2+2*x+1))$  lgdogf]  
A274248 9.60212 [  $(x^3+3*x^2+2*x+1)/(x+1)/(x-1)^4$  ogf]  
A274250 6.05898 [  $(-(x^7+x^6+2*x^5+3*x^4+3*x^3+3*x^2-2*x+1)/(x+1)/(x^2+x+1)/(x-1)^5)$  ogf]  
A274251 5.16372 [  $(-(2*x^8+38*x^7+88*x^6+110*x^5+83*x^4+28*x^3+14*x^2-4*x+1)/(x+1)/(x^2+x+1)/(x-1)^7)$  ogf]  
A274265 10.7388 [  $(\ln(x-1)-I*\text{Pi})*(x-1)^3$  revegf]

A274266 4.75597 [ $\{(-n^2+2^n-1)*a(n+1)+(-2^n+1)*a(n+2)-a(n+3), a(0) = 1, a(1) = 5, a(2) = 11\}$ , ogf]  
A274267 9.64823 [ $I*\Pi*(x-1)^4-(x-1)^4*\ln(x-1)$  revegfl]  
A274268 5.15471 [ $\{(-n^2+4^n-4)*a(n+1)+(-2^n+3)*a(n+2)-a(n+3), a(0) = 1, a(1) = 7, a(2) = 26\}$ , ogf]  
A274269 8.76738 [ $-I*\Pi*(x-1)^5+(x-1)^5*\ln(x-1)$  revegfl]  
A274270 5.10969 [ $\{(-n^2+6^n-9)*a(n+1)+(-2^n+5)*a(n+2)-a(n+3), a(0) = 1, a(1) = 9, a(2) = 47\}$ , ogf]  
A274271 7.16778 [ $-(81*x^4+405*x^3-288*x^2+37*x-1)/(x-1)/(3*x-1)/(27*x-1)/(9*x-1)$  ogf]  
A274272 4.91962 [ $-(6750*x^4+5655*x^3-3129*x^2+149*x-1)/(x-1)/(125*x-1)/(25*x-1)/(5*x-1)/(x+1)$  ogf]  
A274304 3.64063 [ $\{(64*n^3+96*n^2+32*n)*a(n)+(-16*n^3-88*n^2-164*n-96)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A274306 3.84880 [ $\{(-4*n^4-32*n^3-96*n^2-128*n-65)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 5\}$ , egf]  
A274311 7.60661 [ $-x^2*(x^4-2*x^3-5*x^2+12*x+9)/(x-1)^7$  ogf]  
A274311 9.28006 [ $-(3*x^4-4*x^3-31*x^2+62*x+75)/(x^5-3*x^4-3*x^3+17*x^2-3*x-9)$  lgdogf]  
A274323 7.80492 [ $-(x^5+5*x^4+10*x^3+10*x^2-3*x+1)/(x+1)/(x-1)^5$  ogf]  
A274324 8.37928 [ $-(-6*x^4-21*x^3-13*x^2-7*x-1)/(-3*x^5-4*x^4+5*x^3+3*x^2-2*x+1)$  lgdogf]  
A274324 9.66081 [ $(3*x^3+4*x^2-2*x+1)/(x+1)/(x-1)^4$  ogf]  
A274325 6.41508 [ $(15*x^5+46*x^4+41*x^3+21*x^2-4*x+1)/(x+1)/(x-1)^6$  ogf]  
A274327 14.2928 [ $-(-3*x^3-4*x^2-4*x-4)/(-x^4+1)$  ogf\_with\_Euler\_transform]  
A274338 7.07672 [ $-(84*x^9+78*x^8+140*x^7+76*x^6+336*x^5+308*x^4+260*x^3+171*x^2+98*x+52)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A274339 14.4089 [ $-3*(6*x^2+8*x+5)/(x-1)/(x^2+x+1)$  ogf]  
A274339 9.48435 [ $\{a(n+3)-a(n), a(0) = 15, a(1) = 24, a(2) = 18\}$ , ogf]  
A274340 12.2830 [ $-(36*x^3+22*x^2+20*x+19)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A274378 18.9375 [ $-(x^5+2*x^4+x^3-x)/(x^2+2*x+1)$  revogf]  
A274379 17.9058 [ $-(-x^6-3*x^5-3*x^4-x^3+x)/(-x^3-3*x^2-3*x-1)$  revogf]  
A274380 12.2830 [ $-2*(24*x^3+21*x^2+27*x+17)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A274384 10.1653 [ $-x^2+x+2$  ogf\_with\_Euler\_transform]  
A274399 26.5845 [ $-x^{21}+x^{20}+2$  ogf\_with\_Euler\_transform]  
A274406 13.6058 [ $-(-2*x^2-25*x-9)/(-x^3-8*x^2+x+8)$  lgdogf]  
A274406 15.5154 [ $x*(x+8)/(x+1)/(x-1)^2$  ogf]  
A274406 7.96736 [ $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 9\}$ , ogf]  
A274448 5.86352 [ $(25769803776*x^{16}+12884901888*x^{15}-6656*x^4+2080*x^3+416*x^2+78*x+13)/(12884901888*x^{15}-13312*x^4+832*x^3+208*x^2+52*x+13)$  egf]  
A274497 15.5674 [ $2*x^2/(2*x+1)/(2*x-1)^2$  ogf]  
A274497 15.5674 [ $-(-12*x-2)/(-4*x^2+1)$  lgdogf]  
A274497 6.36849 [ $\{a(n+3)-2*a(n+2)-4*a(n+1)+8*a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A274499 17.2405 [ $6*x^2/(3*x+1)/(3*x-1)^2$  ogf]  
A274499 17.6236 [ $-(-27*x-3)/(-9*x^2+1)$  lgdogf]  
A274499 7.14472 [ $\{a(n+3)-3*a(n+2)-9*a(n+1)+27*a(n), a(0) = 0, a(1) = 0, a(2) = 6\}$ , ogf]  
A274501 15.1076 [ $-(-144*x-31)/(-24*x^2+23*x+1)$  lgdogf]  
A274501 5.19936 [ $\{(-2-n)*a(n+3)+(8-23*n)*a(n+2)+(144+24*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 31\}$ , ogf]  
A274501 8.51810 [ $-x*(24*x+1)/(x-1)^7$  ogf]  
A274502 15.1013 [ $-(-63*x-17)/(-9*x^2+8*x+1)$  lgdogf]  
A274502 5.03377 [ $\{(-1-n)*a(n+3)+(17-8*n)*a(n+2)+(54+9*n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 9\}$ , ogf]  
A274502 7.05669 [ $9*x^2*(9*x+1)/(x-1)^8$  ogf]  
A274503 10.1917 [ $-(1750*x^2+900*x+59)/(250*x^3-200*x^2-49*x-1)$  lgdogf]  
A274503 5.97170 [ $-x^2*(250*x^2+50*x+1)/(x-1)^9$  ogf]



A274520 15.4703 [  $[-(-12*x-2)/(-6*x^2-2*x+1) \text{ lgdogf}]$   
A274520 20.4876 [  $[-2*x/(6*x^2+2*x-1) \text{ ogf}]$   
A274520 9.35856 [  $\{-a(n+2)+2*a(n+1)+6*a(n), a(0) = 0, a(1) = 2\}, \text{ ogf}]$   
A274526 14.0343 [  $[-(-20*x-2)/(-10*x^2-2*x+1) \text{ lgdogf}]$   
A274526 18.4662 [  $[-2*x/(10*x^2+2*x-1) \text{ ogf}]$   
A274526 8.55751 [  $\{-a(n+2)+2*a(n+1)+10*a(n), a(0) = 0, a(1) = 2\}, \text{ ogf}]$   
A274544 6.57415 [  $[-(x^4+12*x^3-530*x^2+12*x+1)/(x-1)/(x^2+38*x+1)/(x^2-38*x+1) \text{ ogf}]$   
A274545 5.67647 [  $[-(x^4+28*x^3-5938*x^2+28*x+1)/(x-1)/(x^2+198*x+1)/(x^2-198*x+1) \text{ ogf}]$   
A274579 5.65918 [  $[-x*(x^6+6*x^5+20*x^4+513*x^3+20*x^2+6*x+1)/(x-1)/(x^2+6*x-1)/(x^2-6*x-1)/(x^4+38*x^2+1) \text{ ogf}]$   
A274583 9.46470 [  $[-(x^6-x^4-x^3+x^2+x+1)/(x^2+x+1)^2/(x-1)^3 \text{ ogf}]$   
A274587 4.31548 [  $[-(x^6-12*x^5+560*x^4-13236*x^3+560*x^2-12*x+1)/(x-1)/(x^2-34*x+1)/(x^4+1154*x^2+1) \text{ ogf}]$   
A274588 6.32464 [  $[-(x^4+7*x^3-268*x^2+7*x+1)/(x-1)/(x^2-30*x+1)/(x^2+30*x+1) \text{ ogf}]$   
A274592 10.3303 [  $(25*x^2+62*x-3)/(x^3+25*x^2+31*x-1) \text{ ogf}]$   
A274592 5.69043 [  $\{a(n+3)-31*a(n+2)-25*a(n+1)-a(n), a(0) = 3, a(1) = 31, a(2) = 1011\}, \text{ ogf}]$   
A274592 5.83888 [  $[-(25*x^4+124*x^3+766*x^2-100*x-31)/(25*x^5+687*x^4+2322*x^3+1822*x^2-155*x+3) \text{ lgdogf}]$   
A274603 13.6152 [  $[-45/(x-1)/(x^2-98*x+1) \text{ ogf}]$   
A274603 4.87046 [  $\{a(n+3)-99*a(n+2)+99*a(n+1)-a(n), a(0) = 45, a(1) = 4455, a(2) = 436590\}, \text{ ogf}]$   
A274603 8.68213 [  $[-(3*x^2-198*x+99)/(x^3-99*x^2+99*x-1) \text{ lgdogf}]$   
A274615 4.54409 [  $(2*x^17-3*x^15+8*x^14-2*x^13+x^12-3*x^11+x^10+5*x^9+x^8+3*x^7-5*x^6+8*x^5-2*x^4-3*x^3+x^2+3*x+1)/(x+1)/(x^8+1)/(x^2+1)/(x^4+1)/(x-1)^2 \text{ ogf}]$   
A274616 9.75465 [  $[-x*(x^3-x^2-1)*(x^4+1)/(x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A274621 32.8915 [  $[-2/(x+1) \text{ ogf\_with\_Euler\_transform}]$   
A274626 8.70060 [  $x^3*(2*x^2+1)/(2*x-1)/(x-1)/(4*x^3-1)/(2*x^3-1) \text{ ogf}]$   
A274627 5.38395 [  $[-x^4*(8*x^6+4*x^4+6*x^3+2*x^2+1)/(2*x-1)/(x-1)/(8*x^4-1)/(2*x^4-1)/(2*x^2-1)/(2*x^2+1) \text{ ogf}]$   
A274638 15.2724 [  $x^2*(4*x-3)/(2*x-1)/(x-1)/(2*x^2-1) \text{ ogf}]$   
A274638 9.31617 [  $[-(-48*x^4+96*x^3-54*x^2+5)/(-16*x^5+36*x^4-18*x^3-12*x^2+13*x-3) \text{ lgdogf}]$   
A274642 9.01385 [  $(12*x^8+128*x^7+204*x^6+145*x^5+128*x^4+33*x^3-60*x^2-55*x-28)/(4*x^3-1) \text{ ogf}]$   
A274663 10.4997 [  $(11*x+3)*(x-1)/(x^3+11*x^2-4*x-1) \text{ ogf}]$   
A274663 5.80248 [  $\{-a(n+3)-4*a(n+2)+11*a(n+1)+a(n), a(0) = 3, a(1) = -4, a(2) = 38\}, \text{ ogf}]$   
A274664 6.77143 [  $(149090*x^7+596360*x^6-1639990*x^5-149090*x^4+4*x^2-22*x-3)/(x^3+4*x^2-11*x-1) \text{ ogf}]$   
A274665 3.97253 [  $\{(27*n^2+108*n+105)*a(n+1)+(-29*n^2-145*n-182)*a(n+2)+(2*n^2+12*n+18)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 30\}, \text{ ogf}]$   
A274680 5.32146 [  $[-459*x*(35*x^2+1154*x+35)/(x-1)/(x^2-1154*x+1)/(x^2+1154*x+1) \text{ ogf}]$   
A274681 10.0842 [  $[-x*(5*x^2+6*x+5)/(x+1)^2/(x-1)^3 \text{ ogf}]$   
A274681 10.7477 [  $[-(15*x^3+29*x^2+41*x+11)/(5*x^4+6*x^3-6*x-5) \text{ lgdogf}]$   
A274682 8.80619 [  $[-(2*x^4+5*x^3+18*x^2+5*x+2)/(x+1)^2/(x-1)^3 \text{ ogf}]$   
A274719 18.8188 [  $x/(x^2-1) \text{ ogf\_with\_Euler\_transform}]$   
A274723 5.73906 [  $(8*x^6-4*x^5-21*x^4-45*x^3-24*x^2+9*x+5)/(x-1)/(4*x-1)/(x+1)/(x^2+x+1) \text{ ogf}]$   
A274729 4.90430 [  $[-4*(2*x^6-12*x^5+13*x^4+12*x^3-21*x^2+4*x+1)/(x-1)/(x^5-6*x^4+7*x^3+3*x^2-7*x+1) \text{ ogf}]$   
A274730 3.41910 [  $[-4*(24*x^8-72*x^7+434*x^6-1108*x^5+841*x^4-77*x^3-98*x^2+16*x+2)/(x-1)/(4*x^6-12*x^5-61*x^4+72*x^3-8*x^2-9*x+1) \text{ ogf}]$   
A274734 15.4760 [  $[-(-x^4-2*x^3-x^2+x)/(-x^2-2*x-1) \text{ revogf}]$   
A274735 12.8371 [  $[-(-x^5-3*x^4-3*x^3-x^2+x)/(-x^3-3*x^2-3*x-1) \text{ revogf}]$   
A274743 12.1803 [  $99*(10*x+1)/(100*x-1)/(x-1) \text{ ogf}]$

A274743 6.96015 [  $\{-a(n+2)+101a(n+1)-100a(n), a(0) = 99, a(1) = 10989\}$ , ogf]  
A274743 8.22564 [  $-(1000x^2+200x-111)/(1000x^3-910x^2-91x+1)$  lgdogf]  
A274745 4.22026 [  $\{a(n+4)-6a(n+3)-a(n+2)+2a(n+1), a(0) = 4, a(1) = 22, a(2) = 133, a(3) = 813\}$ , ogf]  
A274745 8.37936 [  $(x-1)(x^2-2x-4)/(2x^3-x^2-6x+1)$  ogf]  
A274746 6.27947 [  $-2(3x^5-8x^4-2x^3+11x^2+6x-4)/(2x^5-10x^4+14x^3-9x^2+1)$  ogf]  
A274750 8.66740 [  $-(2x^3-2x^2-5x-2)/(x+1)/(2x^3-4x^2-3x+1)$  ogf]  
A274751 3.72978 [  $-(6x^7-6x^6-45x^5+46x^4+55x^3-10x^2-19x-4)/(x^2-x-1)/(4x^6+2x^5-25x^4-3x^3+16x^2+3x-1)$  ogf]  
A274755 10.2598 [  $-(200x-101)/(100x^2-101x+1)$  lgdogf]  
A274755 14.3637 [  $1089/(100x-1)/(x-1)$  ogf]  
A274755 6.11222 [  $\{-a(n+2)+101a(n+1)-100a(n), a(0) = 1089, a(1) = 109989\}$ , ogf]  
A274756 6.33919 [  $-63x(15x^2+194x+15)/(x-1)/(x^2+194x+1)/(x^2-194x+1)$  ogf]  
A274757 10.9261 [  $-(9x^3+11x^2+23x+5)/(3x^4+2x^3-2x-3)$  lgdogf]  
A274757 9.98188 [  $-3x(3x^2+2x+3)/(x+1)^2/(x-1)^3$  ogf]  
A274759 9.27532 [  $-x(x^8+x^5+x^4+x^2+x+1)/(x^{12}+x^9+x^6+x^3-1)$  ogf]  
A274761 11.5494 [  $-(-2x^3+8x^2+6x+2)/(-x^4+2x^3+2x^2+4x-3)$  lgdogf]  
A274761 17.4330 [  $(x-3)/(x^3+x^2+x-1)$  ogf]  
A274761 8.24954 [  $\{a(n+3)-a(n+2)-a(n+1)-a(n), a(0) = 3, a(1) = 2, a(2) = 5\}$ , ogf]  
A274766 11.4340 [  $-11x/(x-1)/(100x-1)/(10x-1)$  ogf]  
A274766 5.01980 [  $\{a(n+3)-111a(n+2)+1110a(n+1)-1000a(n), a(0) = 0, a(1) = 11, a(2) = 1221\}$ , ogf]  
A274766 7.71794 [  $-(3000x^2-2220x+111)/(1000x^3-1110x^2+111x-1)$  lgdogf]  
A274768 7.63156 [  $(14x^{13}-69x^{12}+29x^{11}+23x^{10}+6x^6+4x^5+x^4-x-1)/(x^2+x-1)$  ogf]  
A274772 14.2114 [  $-(20x^3+30x^2+24x+6)/(5x^4+2x^3-4x^2-2x-1)$  lgdogf]  
A274772 14.5623 [  $-x(5x^2+2x+1)/(x+1)/(x-1)^5$  ogf]  
A274786 3.79353 [  $\{(-16n^3-96n^2-188n-120)a(n+1)+(-44n^3-330n^2-826n-690)a(n+2)+(n^3+9n^2+27n+27)a(n+3), a(0) = 1, a(1) = 6, a(2) = 114\}$ , ogf]  
A274798 10.6803 [  $-2(x+1)^2/(2x^3+6x^2+2x-1)$  ogf]  
A274798 5.76549 [  $\{a(n+3)-2a(n+2)-6a(n+1)-2a(n), a(0) = 2, a(1) = 8, a(2) = 30\}$ , ogf]  
A274798 8.04321 [  $-(-2x^3-6x^2-10x-4)/(-2x^4-8x^3-8x^2-x+1)$  lgdogf]  
A274799 6.31103 [  $-2(x^4+x^3-4x^2-7x-2)/(2x^5+2x^4-11x^3-15x^2-2x+1)$  ogf]  
A274800 4.21248 [  $4(2x^6+3x^5-28x^4-43x^3+5x^2+11x+2)/(2x^7+23x^6+60x^5+41x^4-42x^3-35x^2-2x+1)$  ogf]  
A274817 11.4479 [  $-(x^3+6x^2-3x+1)/(x+1)/(2x-1)/(x^2-x+1)$  ogf]  
A274830 10.1451 [  $-x(2x^2+3x+2)/(x+1)^2/(x-1)^3$  ogf]  
A274830 11.1048 [  $-(6x^3+14x^2+17x+5)/(2x^4+3x^3-3x-2)$  lgdogf]  
A274832 7.25811 [  $-27x(x^2+10x+1)/(x-1)/(x^2-30x+1)/(x^2+30x+1)$  ogf]  
A274845 10.7004 [  $-(x^5-2x^4+x^3+x^2+1)/(2x^2-1)/(2x^2+1)/(x^4+1)$  ogf]  
A274853 10.2971 [  $-(2x^3-4x^2+3x+2)/(x^3-2x^2+3x-1)$  ogf]  
A274853 5.30224 [  $\{a(n+4)-3a(n+3)+2a(n+2)-a(n+1), a(0) = 2, a(1) = 9, a(2) = 19, a(3) = 43\}$ , ogf]  
A274853 7.10500 [  $-(6x^3-18x^2+16x-9)/(-2x^6+8x^5-17x^4+18x^3-9x^2-3x+2)$  lgdogf]  
A274854 5.78594 [  $(9x^6-63x^5+119x^4-106x^3+56x^2-7x-4)/(x-1)/(x^4-5x^3+5x^2-4x+1)$  ogf]  
A274855 3.61221 [  $(54x^9-373x^8+1441x^7-3116x^6+3819x^5-2791x^4+1269x^3-332x^2+17x+8)/(x^5-4x^4+13x^3-9x^2+5x-1)/(x-1)^3$  ogf]  
A274868 14.8437 [  $-1/(x-1)/(2x-1)/(x+1)/(2x^2-1)$  ogf]  
A274868 8.02770 [  $-(-20x^4+8x^3+18x^2-6x-2)/(-4x^5+2x^4+6x^3-3x^2-2x+1)$  lgdogf]  
A274869 9.62703 [  $1/(x-1)/(2x-1)/(x+1)/(6x^2-1)/(2x^2-1)$  ogf]  
A274870 7.61339 [  $-1/(x-1)/(3x-1)/(2x+1)/(2x-1)/(x+1)/(6x^2-1)/(2x^2-1)$  ogf]  
A274871 5.63928 [  $1/(x-1)/(3x-1)/(2x+1)/(2x-1)/(x+1)/(12x^2-1)/(6x^2-1)/$

$(2*x^2-1)$  ogf]  
A274890 4.78389 [  $(4*x^9-x^8-18*x^7+8*x^6+30*x^5-6*x^4-26*x^3-4*x^2+10*x+2)/(x-1)/(x+1)/(x^6-3*x^4+x^3+3*x^2+x-1)$  ogf]  
A274896 6.36105 [  $(x^5-8*x^4+20*x^3-22*x^2+16*x-6)/(x-1)/(x^4-5*x^3+5*x^2-4*x+1)$  ogf]  
A274897 3.92023 [  $(4*x^8-30*x^7+126*x^6-301*x^5+425*x^4-367*x^3+200*x^2-70*x+12)/(x^5-4*x^4+13*x^3-9*x^2+5*x-1)/(x-1)^3$  ogf]  
A274922 12.6486 [  $-(-x+1)/(x^3+2*x^2+2*x+1)$  lgdogf]  
A274922 13.3645 [  $(x^2+x+1)/(x+1)^2$  ogf]  
A274922 28.2166 [  $-(x-1)^2$  ogf\_with\_Euler\_transform]  
A274922 6.94432 [  $\{a(n+3)+2*a(n+2)+a(n+1), a(0) = 1, a(1) = -1, a(2) = 2\}$ , ogf]  
A274946 10.0558 [  $x*(5*x^4+6*x^3+8*x^2+6*x+5)/(x^6-x^5-x^3-x+1)$  ogf]  
A274952 8.37191 [  $-(x^5-x^4+x^3-x^2+x+4)/(x^6-x^5+x^4-x^3+x^2+3*x-1)$  ogf]  
A274954 7.62978 [  $-3*(x^4+4*x^3-2*x^2+4*x+1)/(x^2+1)/(x^2+4*x-1)$  ogf]  
A274968 3.96071 [  $2*(x+1)*(3*x^{14}-2*x^{13}+3*x^{12}+3*x^{10}+3*x^8+3*x^6+3*x^4+3*x^2+2)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A274972 4.47284 [  $\{-a(n+3)+975*a(n+2)-975*a(n+1)+a(n), a(0) = 4, a(1) = 4387, a(2) = 4273420\}$ , ogf]  
A274972 8.34485 [  $(5*x^2-487*x-4)/(x-1)/(x^2-974*x+1)$  ogf]  
A274973 10.5397 [  $-(7*x^3-9*x^2-9*x-1)/(x-1)^4$  ogf]  
A274973 10.8207 [  $-(-7*x^3-3*x^2+45*x+13)/(-7*x^4+16*x^3-8*x-1)$  lgdogf]  
A274973 4.29394 [  $\{(37*n^2+346*n+544)*a(n+1)+(-2*n^2+86*n+713)*a(n+2)+(-35*n^2-216*n-333)*a(n+3), a(0) = 1, a(1) = 13, a(2) = 55\}$ , ogf]  
A274974 10.5620 [  $-(x+1)*(5*x^2-8*x-1)/(x-1)^4$  ogf]  
A274974 4.30303 [  $\{(n^2+55*n+106)*a(n+1)+(22*n^2+148*n+416)*a(n+2)+(-23*n^2-131*n-186)*a(n+3), a(0) = 1, a(1) = 13, a(2) = 49\}$ , ogf]  
A274974 9.91795 [  $-(-5*x^3-9*x^2+33*x+13)/(-5*x^4+8*x^3+6*x^2-8*x-1)$  lgdogf]  
A274975 13.6994 [  $-(x^2+4*x-3)/(x^3-x^2-2*x+1)$  ogf]  
A274975 7.46130 [  $\{a(n+3)-2*a(n+2)-a(n+1)+a(n), a(0) = 3, a(1) = 2, a(2) = 6\}$ , ogf]  
A274975 8.52720 [  $-(x^4+8*x^3-11*x^2+4*x+2)/(x^5+3*x^4-9*x^3-4*x^2+10*x-3)$  lgdogf]  
A274977 10.1859 [  $\{a(n+2)-a(n+1)-3*a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A274977 12.6552 [  $-(-15*x^2-6*x-6)/(-15*x^3-8*x^2+4*x+1)$  lgdogf]  
A274977 18.5610 [  $-(5*x+1)/(3*x^2+x-1)$  ogf]  
A274978 10.9864 [  $-x*(x^2+12*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A274978 11.6998 [  $-(-3*x^3-49*x^2-19*x-13)/(-x^4-12*x^3+12*x+1)$  lgdogf]  
A274979 10.5434 [  $-x*(x^2+14*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A274979 11.2280 [  $-(-3*x^3-57*x^2-21*x-15)/(-x^4-14*x^3+14*x+1)$  lgdogf]  
A274981 10.3528 [  $\{a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A274981 18.4872 [  $-4/(-4*x-1)$  lgdogf]  
A274998 19.1596 [  $-(-5*x-1)/(-x^3+3*x^2-3*x+1)$  ogf\_with\_Euler\_transform]  
A275009 9.29758 [  $-(x^6+2*x^5-2*x^4-3*x^3+2*x^2+2*x+2)/(x-1)^3/(x^2+x+1)^3$  ogf]  
A275016 10.3966 [  $-(16*x^3-6*x^2-4*x-1)/(4*x^4-2*x^3-2*x^2-x+1)$  lgdogf]  
A275016 15.8892 [  $5*x^3/(2*x-1)/(x-1)/(2*x^2+2*x+1)$  ogf]  
A275038 3.77123 [  $-(x^9+8*x^8-10*x^7-10*x^6-12*x^5-7*x^4-23*x^3+2*x^2-9*x-3)/(x^9+3*x^8-x^7-8*x^6-3*x^5-x^4-4*x^3+2*x^2-3*x+1)$  ogf]  
A275047 3.71570 [  $\{(-729*n^4-4374*n^3-9801*n^2-9720*n-3600)*a(n+1)+(4*n^4+30*n^3+84*n^2+104*n+48)*a(n+2), a(0) = 1, a(1) = 18\}$ , ogf]  
A275051 3.73846 [  $\{(2187*n^3+8991*n^2+12204*n+5460)*a(n+1)+(-3*n^3-16*n^2-28*n-16)*a(n+2), a(0) = 1, a(1) = 60\}$ , ogf]  
A275052 4.27492 [  $\{(-4802*n^3-19208*n^2-25382*n-11088)*a(n+1)+(2*n^3+11*n^2+20*n+12)*a(n+2), a(0) = 1, a(1) = 112\}$ , ogf]  
A275053 4.32944 [  $\{(-2187*n^3-8991*n^2-12042*n-5280)*a(n+1)+(3*n^3+17*n^2+32*n+20)*a(n+2), a(0) = 1, a(1) = 21\}$ , ogf]  
A275054 4.34669 [  $\{(-2187*n^3-9234*n^2-12609*n-5610)*a(n+1)+(3*n^3+17*n^2+32*n+20)*a(n+2), a(0) = 1, a(1) = 24\}$ , ogf]  
A275060 11.3143 [  $-(x-1)/(x^2-974*x+1)$  ogf]  
A275060 6.18338 [  $\{a(n+2)-974*a(n+1)+a(n), a(0) = 1, a(1) = 973\}$ , ogf]  
A275100 10.4048 [  $-(21*x^3-7*x^2-5*x+1)/(x-1)/(6*x-1)/(3*x-1)$  ogf]

A275100 5.54419 [  $\{-a(n+4)+10*a(n+3)-27*a(n+2)+18*a(n+1), a(0) = 1, a(1) = 5, a(2) = 16, a(3) = 64\}$ , ogf]  
A275101 5.01298 [  $-(14112*x^5-12240*x^4+1810*x^3+144*x^2-32*x+1)/(x-1)/(6*x-1)/(24*x-1)/(12*x-1)/(4*x-1)$  ogf]  
A275112 8.40898 [  $-x*(x^2+x+1)*(3*x^3+x^2+2*x+1)/(x+1)^2/(x^2+1)/(x-1)^5$  ogf]  
A275126 3.79712 [  $-(x^9+5*x^8+10*x^7+4*x^6-11*x^5-7*x^4-6*x^3-7*x^2-x-5)/(x^9+3*x^8-x^7-8*x^6-3*x^5-x^4-4*x^3+2*x^2-3*x+1)$  ogf]  
A275132 6.70223 [  $-(4*x^5+5*x^4-3*x^3-5*x^2-6*x-2)/(2*x^2+x+1)/(2*x^3-4*x+1)$  ogf]  
A275133 3.26813 [  $(48*x^10-104*x^9+39*x^8+113*x^7-201*x^6-159*x^5+9*x^4+63*x^3+61*x^2+32*x+4)/(18*x^9-15*x^8+4*x^7+48*x^6-7*x^5-36*x^4-22*x^3-8*x^2-x+1)$  ogf]  
A275138 5.74110 [  $\{a(n+3)-4*a(n+2)-4*a(n+1), a(0) = 4, a(1) = 48, a(2) = 224\}$ , ogf]  
A275138 7.72840 [  $(-(-16*x^2-16*x-12)/(-16*x^4-48*x^3-32*x^2+4*x+1)$  lgdogf]  
A275139 4.31489 [  $\{-a(n+4)+3*a(n+3)+5*a(n+2)+a(n+1), a(0) = 8, a(1) = 144, a(2) = 528, a(3) = 2320\}$ , ogf]  
A275139 8.33014 [  $-8*(x^3+7*x^2+15*x+1)/(x+1)/(x^2+4*x-1)$  ogf]  
A275140 5.68058 [  $16*(40*x^5-52*x^4-98*x^3-15*x^2+24*x+1)/(4*x^4-4*x^3-10*x^2-3*x+1)$  ogf]  
A275141 4.46060 [  $16*(144*x^6+1172*x^5-647*x^4-891*x^3-103*x^2+75*x+2)/(4*x^5+23*x^4-11*x^3-18*x^2-3*x+1)$  ogf]  
A275143 8.34132 [  $(20*x^4-51*x^3+18*x^2-21*x-5)/(x^3-2*x^2+3*x-1)$  ogf]  
A275144 4.34550 [  $2*(128*x^8-768*x^7+1132*x^6-969*x^5+798*x^4-446*x^3+277*x^2-73*x-7)/(x-1)/(x^4-5*x^3+5*x^2-4*x+1)$  ogf]  
A275151 13.5323 [  $-(9*x^2-31*x+8)/(x-1)/(x^2-6*x+1)$  ogf]  
A275151 7.29570 [  $\{-a(n+3)+7*a(n+2)-7*a(n+1)+a(n), a(0) = 8, a(1) = 25, a(2) = 128\}$ , ogf]  
A275151 7.84117 [  $(-(-9*x^4+62*x^3-178*x^2+94*x-25)/(-9*x^5+94*x^4-288*x^3+282*x^2-87*x+8)$  lgdogf]  
A275155 11.3982 [  $-2*(8*x^2-31*x+9)/(x-1)/(x^2-6*x+1)$  ogf]  
A275155 6.28866 [  $\{-a(n+3)+7*a(n+2)-7*a(n+1)+a(n), a(0) = 18, a(1) = 64, a(2) = 338\}$ , ogf]  
A275155 6.75449 [  $(-(-8*x^4+62*x^3-188*x^2+110*x-32)/(-8*x^5+87*x^4-282*x^3+288*x^2-94*x+9)$  lgdogf]  
A275163 10.8444 [  $(- (24*x^2+28*x-33)/(24*x^3-22*x^2-9*x+7)$  lgdogf]  
A275163 16.2666 [  $(12*x+7)/(2*x-1)/(x-1)$  ogf]  
A275163 9.01523 [  $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 7, a(1) = 33\}$ , ogf]  
A275173 4.69878 [  $(2*x^14+3*x^13+4*x^12+6*x^11+9*x^10-10*x^9-12*x^8-13*x^7-14*x^6-15*x^5+x^4+x^3+x^2+x+1)/(x-1)/(x^4+x^3+x^2+x+1)/(x^10-15*x^5+1)$  ogf]  
A275175 5.10608 [  $(3*x^14+5*x^13+7*x^12+13*x^11+23*x^10-22*x^9-28*x^8-30*x^7-32*x^6-34*x^5+x^4+x^3+x^2+x+1)/(x-1)/(x^4+x^3+x^2+x+1)/(x^10-34*x^5+1)$  ogf]  
A275176 4.52973 [  $(4*x^14+7*x^13+10*x^12+22*x^11+43*x^10-38*x^9-50*x^8-53*x^7-56*x^6-59*x^5+x^4+x^3+x^2+x+1)/(x-1)/(x^4+x^3+x^2+x+1)/(x^10-59*x^5+1)$  ogf]  
A275178 5.52798 [  $(5*x^7+11*x^6-17*x^5-4*x^4+12*x^3-9*x^2-4*x+5)/(x-1)/(x^4+2*x^3-3*x^2+3*x-1)$  ogf]  
A275184 4.67360 [  $\{a(n+4)-2*a(n+3)-4*a(n+2)-3*a(n+1), a(0) = 4, a(1) = 12, a(2) = 41, a(3) = 141\}$ , ogf]  
A275184 9.21174 [  $(x^3-x^2-4*x-4)/(3*x^3+4*x^2+2*x-1)$  ogf]  
A275185 3.97127 [  $\{a(n+5)-2*a(n+4)-7*a(n+3)-8*a(n+2), a(0) = 8, a(1) = 21, a(2) = 85, a(3) = 353, a(4) = 1465\}$ , ogf]  
A275185 7.59066 [  $(4*x^4+28*x^3+13*x^2-5*x-8)/(8*x^3+7*x^2+2*x-1)$  ogf]  
A275186 4.74379 [  $(112*x^6+40*x^5-36*x^4-196*x^3-85*x^2+5*x+16)/(x-1)/(16*x^5+28*x^4+32*x^3+13*x^2+x-1)$  ogf]  
A275195 12.1312 [  $(7*x+3)*(7*x-1)/(49*x^3+49*x^2+7*x-1)$  ogf]  
A275195 6.79768 [  $\{a(n+3)-7*a(n+2)-49*a(n+1)-49*a(n), a(0) = 3, a(1) = 7, a(2) =$

147}], ogf]

A275195 6.85679 [  $(-(-2401*x^4-1372*x^3+98*x^2+196*x+7)/(-2401*x^5-3087*x^4-882*x^3+98*x^2+35*x-3) \lgdogf)$  ]

A275222 9.87126 [  $-(x^2-x-1)*(x^3+x^2+2*x-2)/(x-1)/(x^4-x^3-x^2-2*x+1) \text{ ogf}$  ]

A275229 13.3959 [  $-(3*x-2)/(8*x^2-7*x+1) \text{ ogf}$  ]

A275229 7.26283 [  $\{a(n+2)-7*a(n+1)+8*a(n), a(0) = 2, a(1) = 11\}, \text{ ogf}$  ]

A275229 8.61164 [  $(-(-24*x^2+32*x-11)/(-24*x^3+37*x^2-17*x+2) \lgdogf)$  ]

A275230 5.18646 [  $2*(x^5-9*x^4+17*x^3-3*x^2-11*x+4)/(x-1)/(6*x^4-14*x^3+x^2+10*x-1) \text{ ogf}$  ]

A275231 5.12509 [  $2*(77*x^4-218*x^3+202*x^2-71*x+8)/(x-1)/(44*x^3-57*x^2+18*x-1) \text{ ogf}$  ]

A275238 11.2196 [  $-(810*x^12-90*x^11-900*x^10-12*x^2-9*x-1)/(x+1)/(x-1)^2 \text{ ogf}$  ]

A275260 4.05226 [  $-(8*x^9-16*x^7+4*x^6+2*x^5-6*x^4+2*x^3+8*x^2-x-2)/(8*x^9-8*x^8-12*x^7+16*x^6-4*x^5-6*x^4+6*x^3+2*x^2-4*x+1) \text{ ogf}$  ]

A275267 4.48900 [  $\{a(n+4)-6*a(n+3)+2*a(n+2)+6*a(n+1), a(0) = 5, a(1) = 24, a(2) = 128, a(3) = 688\}, \text{ ogf}$  ]

A275267 8.91294 [  $-(2*x^3+6*x^2+6*x-5)/(6*x^3+2*x^2-6*x+1) \text{ ogf}$  ]

A275268 4.46340 [  $2*(16*x^6-44*x^5+8*x^4+15*x^3+9*x^2+24*x-7)/(16*x^6-12*x^5-8*x^4-9*x^3-7*x^2+8*x-1) \text{ ogf}$  ]

A275277 10.3490 [  $(6*x^3+3*x^2-1)/(x^4+3*x^3+3*x^2+x-1) \text{ ogf}$  ]

A275286 3.00750 [  $\{(-16*n^4-160*n^3-600*n^2-1000*n-625)*a(n+1)+(-8*n^2-40*n-48)*a(n+2)+(n^2+5*n+6)*a(n+3), a(0) = 1, a(1) = 8, a(2) = 209/2\}, \text{ egf}$  ]

A275346 10.6555 [  $(x^5+x^4-x-2)/(x-1)/(x+1) \text{ ogf}$  ]

A275359 5.52695 [  $-x^2*(4*x^5+128*x^4+99*x^3-37*x^2+145*x+21)/(x-1)^7 \text{ ogf}$  ]

A275363 10.5563 [  $-3*(x+1)*(x^3-x-1)/(x-1)^2/(x^2+x+1)^2 \text{ ogf}$  ]

A275365 10.9395 [  $-(x^4-4*x-1)/(x^5-2*x^3-x^2+x+1) \lgdogf$  ]

A275365 12.9122 [  $-2*x*(x^3-x-1)/(x-1)^2/(x+1)^2 \text{ ogf}$  ]

A275372 8.13048 [  $(-(-4*x^7-x^6-7*x^5-x^4-2*x^3-x^2-7*x-1)/(x^8-1) \text{ ogf\_with\_Euler\_transform})$  ]

A275395 4.31819 [  $-(2*x^9-2*x^8+4*x^7-14*x^6+3*x^5+10*x^4-4*x^3-4*x^2+5*x+2)/(x^9-2*x^8+x^7-3*x^6+4*x^5+x^4-3*x^3+x^2+2*x-1) \text{ ogf}$  ]

A275402 5.23444 [  $\{-a(n+3)+4*a(n+2)+6*a(n+1)+4*a(n), a(0) = 3, a(1) = 16, a(2) = 84\}, \text{ ogf}$  ]

A275402 9.78239 [  $-(2*x^2+4*x+3)/(4*x^3+6*x^2+4*x-1) \text{ ogf}$  ]

A275403 5.35348 [  $(8*x^5-20*x^4-14*x^3+19*x^2+13*x+6)/(24*x^5-2*x^4-25*x^3-11*x^2-3*x+1) \text{ ogf}$  ]

A275424 16.5030 [  $1+x+1/2*x^2+1/120*x^5 \lgdegf$  ]

A275434 11.5276 [  $-(4*x^2-4*x-2)/(2*x^3-x^2-2*x+1) \lgdogf$  ]

A275434 13.9201 [  $-2*x^3*(x-1)/(x+1)/(2*x-1)^2 \text{ ogf}$  ]

A275434 5.99808 [  $\{a(n+5)-3*a(n+4)+4*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2, a(4) = 4\}, \text{ ogf}$  ]

A275436 10.1762 [  $-2*x^2/(x^2+1)/(x^2-x-1)/(x^2+x-1)^2 \text{ ogf}$  ]

A275436 8.51707 [  $(-(-8*x^5+x^4+9*x^3+2*x^2+7*x+1)/(-x^6+2*x^4+2*x^2-1) \lgdogf)$  ]

A275439 10.3384 [  $(-(-6*x^3+9*x^2+5*x+1)/(x^4+2*x^3+x^2-1) \lgdogf)$  ]

A275439 11.3872 [  $2*x^3/(x^2+x+1)/(x^2+x-1)^2 \text{ ogf}$  ]

A275441 8.35134 [  $2*x^4*(x-1)*(x+1)/(x^2+1)/(x^2-x-1)/(x^2+x-1)^2 \text{ ogf}$  ]

A275443 10.2151 [  $(-(-6*x^4+6*x^3+2)/(-x^5+x^4-x^3+2*x-1) \lgdogf)$  ]

A275443 9.13351 [  $-2*(x-1)*x^4/(x+1)/(x^3-x^2+2*x-1)^2 \text{ ogf}$  ]

A275445 7.66418 [  $(-(-7*x^7-19*x^6-34*x^5-38*x^4-31*x^3-17*x^2-8*x-2)/(-x^8-3*x^7-6*x^6-7*x^5-6*x^4-3*x^3+x+1) \lgdogf)$  ]

A275445 9.91422 [  $2*x^3*(x^2+x+1)/(x^2+1)/(x+1)/(x^3+x^2+x-1)^2 \text{ ogf}$  ]

A275447 6.86037 [  $-2*x^3*(x-1)*(x+1)/(x^2+1)/(x^4-2*x^2-x+1)^2 \text{ ogf}$  ]

A275447 7.18706 [  $(-(-8*x^7+12*x^5+2*x^4-4*x^2-4*x-2)/(-x^8+2*x^6+x^5-2*x^2-x+1) \lgdogf)$  ]

A275452 3.78875 [  $\{(2187*n^3+9477*n^2+13446*n+6240)*a(n+1)+(-3*n^3-16*n^2-28*n-16)*a(n+2), a(0) = 1, a(1) = 84\}, \text{ ogf}$  ]

A275453 4.41568 [  $\{(-2187*n^3-9477*n^2-13446*n-6240)*a(n+1)+(3*n^3+17*n^2+32*n+20)*a(n+2), a(0) = 1, a(1) = 42\}, \text{ ogf}$  ]

A275454 4.45018 [  $\{(-2187*n^3-9720*n^2-14067*n-6630)*a(n+1)+(3*n^3+17*n^2+32*n+20)*a(n+2), a(0) = 1, a(1) = 48\}, \text{ ogf}$  ]

A275455 4.59265 [  $\{(-2187n^3-9963n^2-14796n-7140)a(n+1)+(3n^3+16n^2+28n+16)a(n+2), a(0) = 1, a(1) = 120\}$ , ogf]  
A275456 4.61410 [  $\{(-2187n^3-10449n^2-16254n-8160)a(n+1)+(3n^3+16n^2+28n+16)a(n+2), a(0) = 1, a(1) = 168\}$ , ogf]  
A275457 4.55838 [  $\{(2187n^3+9234n^2+12933n+6006)a(n+1)+(-3n^3-16n^2-28n-16)a(n+2), a(0) = 1, a(1) = 120\}$ , ogf]  
A275458 4.59707 [  $\{(-2187n^3-10449n^2-16578n-8736)a(n+1)+(3n^3+17n^2+32n+20)a(n+2), a(0) = 1, a(1) = 210\}$ , ogf]  
A275459 4.63112 [  $\{(-2187n^3-10692n^2-17307n-9282)a(n+1)+(3n^3+17n^2+32n+20)a(n+2), a(0) = 1, a(1) = 240\}$ , ogf]  
A275460 4.59265 [  $\{(2187n^3+9720n^2+14229n+6864)a(n+1)+(-3n^3-16n^2-28n-16)a(n+2), a(0) = 1, a(1) = 168\}$ , ogf]  
A275461 4.54124 [  $\{(-2187n^3-9963n^2-14958n-7392)a(n+1)+(3n^3+17n^2+32n+20)a(n+2), a(0) = 1, a(1) = 105\}$ , ogf]  
A275496 5.82024 [  $-x^*(x^6+34x^5+79x^4+156x^3+79x^2+34x+1)/(x+1)^3/(x-1)^5$  ogf]  
A275498 8.56241 [  $(x^5-2x^4-6x^3+3x^2+7x+2)/(x^4-2x^2-x+1)$  ogf]  
A275499 4.03784 [  $(36x^{10}-4x^9-106x^8+11x^7+97x^6+141x^5-72x^4-122x^3-38x^2+44x+5)/(x-1)/(x^6-3x^4+x^3+3x^2+x-1)$  ogf]  
A275505 4.98672 [  $\{a(n+3)-3a(n+2)-5a(n+1)-a(n), a(0) = 12, a(1) = 56, a(2) = 232\}$ , ogf]  
A275505 9.18189 [  $-4*(x^2+5x+3)/(x+1)/(x^2+4x-1)$  ogf]  
A275506 6.38651 [  $4*(5x^4-14x^3-9x^2+8x+6)/(4x^4-4x^3-10x^2-3x+1)$  ogf]  
A275507 5.03654 [  $4*(59x^5+60x^4-123x^3-74x^2+14x+12)/(4x^5+23x^4-11x^3-18x^2-3x+1)$  ogf]  
A275521 14.0705 [  $-(2x^4+6x^2+3x)/(-2x^3-3)$  lgdegf]  
A275539 3.85404 [  $\{a(n)n+(-n+1)a(n+1)-a(n+2)n^2+(n^2-1)a(n+3), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 2, a(4) = 3/2\}$ , egf]  
A275543 12.0703 [  $-(x^3+7x^2-x+1)/(x+1)/(x-1)^3$  ogf]  
A275543 8.41262 [  $-(-x^4-16x^3-14x^2-16x-1)/(-x^5-7x^4+2x^3+6x^2-x+1)$  lgdogf]  
A275546 8.64423 [  $-(165x^4-924x^3+990x^2-220x+5)/(11x^5-165x^4+462x^3-330x^2+55x-1)$  ogf]  
A275560 7.87696 [  $-3*(32x^4+12x^3-10x^2-10x-1)/(16x^4-8x^2-2x+1)$  ogf]  
A275561 3.32552 [  $-6*(3x^{10}-5x^9-10x^8+13x^7+16x^6-43x^5+18x^4+23x^3+4x^2-13x-1)/(x^4-4x^3+6x^2-5x+1)/(x^6+2x^5-x^4-5x^3-x^2+2x+1)$  ogf]  
A275566 4.33883 [  $-3*(5x^9-8x^8-4x^7+25x^6-25x^5-19x^4+23x^3+12x^2-15x-1)/(x^3-2x^2+3x-1)/(x^6-3x^4+2x^2-1)$  ogf]  
A275571 8.82464 [  $-(8x^5-32x^4+32x^3-8x^2+x+1)/(x-1)/(x^2-3x+1)$  ogf]  
A275580 15.9952 [  $-x^9+x^4+x^3+x^2+2$  ogf\_with\_Euler\_transform]  
A275580 6.18656 [  $(x^4-x^3+x^2-x+1)/(x^2+1)/(x^2+x+1)/(x-1)^4$  ogf]  
A275591 12.5010 [  $-(-7x^2+2x+11)/(-7x^3+15x^2-7x-1)$  lgdogf]  
A275591 13.5257 [  $(7x^2-8x-1)/(x-1)^3$  ogf]  
A275591 7.23742 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 11, a(2) = 23\}$ , ogf]  
A275607 10.3168 [  $-27/8x^2-1/8+1/8*(729x^4+54x^2+16x+1)^{(1/2)}$  revogf]  
A275607 6.45851 [  $\{(-12n^2-54n-54)a(n+1)+(n^2+6n+8)a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A275615 12.5970 [  $\{-a(n+3)+a(n), a(0) = 1, a(1) = 9, a(2) = 8\}$ , ogf]  
A275615 19.5381 [  $-(x+1)*(8x+1)/(x-1)/(x^2+x+1)$  ogf]  
A275615 9.76907 [  $-(8x^4+18x^3+3x^2+16x+9)/(8x^5+9x^4+x^3-8x^2-9x-1)$  lgdogf]  
A275627 12.5852 [  $-(6x^5+5x^4+4x^3+3x^2+2x+8)/(x^6+x-1)$  ogf]  
A275634 14.0472 [  $-(2x^2+2x-3)/(3x^3+2x^2-5x+1)$  ogf]  
A275634 7.51649 [  $\{a(n+3)-5a(n+2)+2a(n+1)+3a(n), a(0) = 3, a(1) = 13, a(2) = 57\}$ , ogf]  
A275634 8.23923 [  $-(-6x^4-12x^3+13x^2+16x-13)/(-6x^5-10x^4+15x^3+14x^2-17x+3)$  lgdogf]

A275635 9.20138 [  $-12x^2(15x-2)/(x-1)/(3x-1)/(27x-1)/(9x-1)$  ogf]  
A275636 10.8804 [  $2x(5x-1)/(x-1)/(3x-1)/(9x-1)$  ogf]  
A275636 5.77135 [  $\{-a(n+3)+13a(n+2)-39a(n+1)+27a(n), a(0) = 0, a(1) = 2, a(2) = 16\}$ , ogf]  
A275636 7.21418 [  $-(270x^3-276x^2+78x-8)/(135x^4-222x^3+104x^2-18x+1)$  lgdogf]  
A275637 6.60216 [  $12x^2(891x^2-57x-2)/(x-1)/(81x-1)/(3x-1)/(9x-1)/(27x-1)$  ogf]  
A275638 13.3964 [  $1/(x^2+1)/(x^2+x+1)/(x+1)^2$  ogf]  
A275638 24.6777 [  $x^3+x^2+x-3$  ogf\_with\_Euler\_transform]  
A275639 19.9655 [  $x^4+x^3+x^2+x-4$  ogf\_with\_Euler\_transform]  
A275639 8.29714 [  $1/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x+1)^2$  ogf]  
A275640 17.2362 [  $x^5+x^4+x^3+x^2+x-5$  ogf\_with\_Euler\_transform]  
A275640 5.54332 [  $1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x^2+x+1)^2/(x+1)^3$  ogf]  
A275641 15.0308 [  $x^6+x^5+x^4+x^3+x^2+x-6$  ogf\_with\_Euler\_transform]  
A275643 16.2840 [  $(11/x^{12}-12/x^{11}+1)x^{12}/(x-1)$  ogf\_with\_Euler\_transform]  
A275653 4.00485 [  $\{(432n^4+2592n^3+5793n^2+5715n+2100)a(n+1)+(-4n^4-28n^3-73n^2-84n-36)a(n+2), a(0) = 1, a(1) = 18\}$ , ogf]  
A275655 3.30624 [  $\{(-2304n^4-13824n^3-30848n^2-30336n-11088)a(n+1)+(9n^4+63n^3+164n^2+188n+80)a(n+2), a(0) = 1, a(1) = 40\}$ , ogf]  
A275658 5.37322 [  $-(910x^{18}-910x^{17}+10x^{16}-10x^{15}+33x^{14}-32x^{13}+44x^{12}-44x^{11}-x^9+4x^4-3x^3-x^2-1)/(x-1)^2$  ogf]  
A275673 10.2611 [  $-(x^7-x^6+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3$  ogf]  
A275704 12.1131 [  $-(8x^8+8x^7+x^6+5x^5+2x^4+x^3+2x^2+5x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1)$  ogf]  
A275707 16.2280 [  $2\exp(x)x+2\exp(x)$  lgdegf]  
A275709 11.6738 [  $-x(x^2-8x-5)/(x-1)^4$  ogf]  
A275709 12.9120 [  $-(-2x^2+22x+28)/(-x^3+9x^2-3x-5)$  lgdogf]  
A275709 4.26094 [  $\{(-15-5n)a(n+4)+(22-3n)a(n+3)+(31+9n)a(n+2)+(-2-n)a(n+1), a(0) = 0, a(1) = 5, a(2) = 28, a(3) = 81\}$ , ogf]  
A275766 12.4495 [  $-6(25x-26)/(25x-1)/(x-1)$  ogf]  
A275766 7.13397 [  $\{-a(n+2)+26a(n+1)-25a(n), a(0) = 156, a(1) = 3906\}$ , ogf]  
A275766 8.03700 [  $-(-625x^2+1300x-651)/(-625x^3+1300x^2-701x+26)$  lgdogf]  
A275778 12.0066 [  $(2x+1)(x-1)/(x^3+x^2+x-1)$  ogf]  
A275778 6.53930 [  $\{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 1, a(1) = 2, a(2) = 1\}$ , ogf]  
A275778 8.71907 [  $-(-2x^4+2x^3+6x^2-2x+2)/(-2x^5-x^4+4x^2-1)$  lgdogf]  
A275788 11.8811 [  $-(x^2+x+1)x/(x+1)/(2x-1)/(x^2-x+1)$  ogf]  
A275793 10.2004 [  $-(-11x^2+18x-43)/(-11x^3+75x^2-65x+9)$  lgdogf]  
A275793 15.5224 [  $-(11x-9)/(x^2-6x+1)$  ogf]  
A275793 8.60277 [  $\{a(n+2)-6a(n+1)+a(n), a(0) = 9, a(1) = 43\}$ , ogf]  
A275794 10.3971 [  $-(3x^2+4x-15)/(3x^3-16x^2-9x+2)$  lgdogf]  
A275794 15.2491 [  $(3x+2)/(x^2-6x+1)$  ogf]  
A275794 8.26760 [  $\{-a(n+2)+6a(n+1)-a(n), a(0) = 2, a(1) = 15\}$ , ogf]  
A275795 10.5722 [  $-(-9x^2+22x-57)/(-9x^3+65x^2-75x+11)$  lgdogf]  
A275795 15.8584 [  $-(9x-11)/(x^2-6x+1)$  ogf]  
A275795 8.68435 [  $\{a(n+2)-6a(n+1)+a(n), a(0) = 11, a(1) = 57\}$ , ogf]  
A275796 14.0048 [  $(2x+3)/(x^2-6x+1)$  ogf]  
A275796 7.59296 [  $\{-a(n+2)+6a(n+1)-a(n), a(0) = 3, a(1) = 20\}$ , ogf]  
A275796 9.54873 [  $-(-2x^2-6x+20)/(-2x^3+9x^2+16x-3)$  lgdogf]  
A275797 8.86615 [  $-(7x^5+9x^4+11x^3-21x^2-11x-9)/(x^6-6x^3+1)$  ogf]  
A275799 4.81646 [  $-(x^6+18x^5+55x^4+92x^3+55x^2+18x+1)/(x+1)^3/(x-1)^7$  ogf]  
A275825 5.26926 [  $\{(n+3)a(n+1)+(n+1)a(n+3)-a(n+4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2\}$ , ogf]  
A275827 3.23995 [  $\{(-8n^2-36n-40)a(n+1)+(17n^2+125n+224)a(n+2)+(-2n^2-16n-30)a(n+3), a(0) = 1, a(1) = 7, a(2) = 50\}$ , ogf]  
A275830 17.5326 [  $-(14x+3)/(49x^3-7x-1)$  ogf]  
A275830 8.58368 [  $\{-a(n+3)-7a(n+2)+49a(n), a(0) = 3, a(1) = -7, a(2) = 49\}$ , ogf]  
A275830 9.47164 [  $-(1372x^3+441x^2-7)/(686x^4+147x^3-98x^2-35x-3)$  lgdogf]

A275831 10.0462 [ {a(n+3)-7\*a(n+1)-7\*a(n), a(0) = 3, a(1) = 0, a(2) = 14}, ogf]  
A275831 10.8546 [ -(-49\*x^4+63\*x^2+28\*x)/(-49\*x^5-49\*x^4+21\*x^3+28\*x^2-3) lgdogf]  
A275831 17.8179 [ (7\*x^2-3)/(7\*x^3+7\*x^2-1) ogf]  
A275856 10.0582 [ -(2\*x^3-2\*x^2+3\*x-1)/(x-1)/(x^4+x^3+3\*x-1) ogf]  
A275857 9.86678 [ -(x^3-x^2+2\*x-1)/(x-1)/(x^4+x^3+3\*x-1) ogf]  
A275858 14.6988 [ 1/(x^4+x^3+2\*x^2-x+1) ogf]  
A275858 9.00304 [ -(4\*x^3+3\*x^2+4\*x-1)/(x^4+x^3+2\*x^2-x+1) lgdogf]  
A275859 9.52042 [ -(2\*x^3-4\*x^2+4\*x-1)/(x-1)/(x^4+4\*x-1) ogf]  
A275860 7.52135 [ (x^6-3\*x^5+3\*x^4-2\*x^3+2\*x^2-4\*x+1)/(x-1)/(x^2+x+1)/(x^4-x^3+5\*x-1) ogf]  
A275861 5.87240 [ -(4\*x^5-9\*x^4+10\*x^3-9\*x^2+6\*x-1)/(x-1)/(x^2+1)/(x^4-2\*x^3+6\*x-1) ogf]  
A275874 12.1367 [ x\*(4\*x^2-11\*x+8)/(x-1)^4 ogf]  
A275874 13.2076 [ -(-8\*x^2+25\*x-21)/(-4\*x^3+15\*x^2-19\*x+8) lgdogf]  
A275874 4.44613 [ {(24+8\*n)\*a(n+4)+(-59-19\*n)\*a(n+3)+(40+15\*n)\*a(n+2)+(-8-4\*n)\*a(n+1), a(0) = 0, a(1) = 8, a(2) = 21, a(3) = 40}, ogf]  
A275876 12.9217 [ 4\*x\*(x^2+2\*x-1)/(x-1)^4 ogf]  
A275876 14.7389 [ -(2\*x^2+8\*x-2)/(x^3+x^2-3\*x+1) lgdogf]  
A275876 4.83737 [ {(-3-n)\*a(n+4)+(8+3\*n)\*a(n+3)+(-9-n)\*a(n+2)+(-n-2)\*a(n+1), a(0) = 0, a(1) = -4, a(2) = -8, a(3) = -4}, ogf]  
A275903 14.3471 [ -(4\*x^2+1)/(4\*x^3-4\*x^2+5\*x-1) ogf]  
A275903 7.23702 [ {a(n+3)-5\*a(n+2)+4\*a(n+1)-4\*a(n), a(0) = 1, a(1) = 5, a(2) = 25}, ogf]  
A275903 9.29299 [ -(-16\*x^4+8\*x^2-5)/(-16\*x^5+16\*x^4-24\*x^3+8\*x^2-5\*x+1) lgdogf]  
A275905 13.8254 [ (x+1)\*(2\*x-1)/(2\*x^3-3\*x^2+6\*x-1) ogf]  
A275905 7.46325 [ {a(n+3)-6\*a(n+2)+3\*a(n+1)-2\*a(n), a(0) = 1, a(1) = 5, a(2) = 25}, ogf]  
A275905 8.60558 [ -(-4\*x^4-4\*x^3+21\*x^2-10\*x+5)/(-4\*x^5+4\*x^4-7\*x^3-7\*x^2+7\*x-1) lgdogf]  
A275906 14.2609 [ -(x^2+x+1)/(x^3+4\*x^2+4\*x-1) ogf]  
A275906 7.69835 [ {-a(n+3)+4\*a(n+2)+4\*a(n+1)+a(n), a(0) = 1, a(1) = 5, a(2) = 25}, ogf]  
A275906 8.96818 [ -(-x^4-2\*x^3-3\*x^2-10\*x-5)/(-x^5-5\*x^4-9\*x^3-7\*x^2-3\*x+1) lgdogf]  
A275907 13.8858 [ (x^3-x-1)/(x^5+x^4+4\*x-1) ogf]  
A275908 6.64442 [ -(x^6+4\*x^5+6\*x^4+4\*x^3+4\*x^2+2\*x+1)/(x^7+5\*x^6+7\*x^5+7\*x^4+6\*x^3+x^2+3\*x-1) ogf]  
A275909 6.59168 [ -(2\*x^6+4\*x^5+7\*x^4+8\*x^3+8\*x^2+4\*x+1)/(2\*x^7+4\*x^6+7\*x^5+6\*x^4+12\*x^3+7\*x^2+x-1) ogf]  
A275910 10.5056 [ (2\*x^6+x^5+x^4+x^3+x^2+x+2)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2 ogf]  
A275930 5.43903 [ -(3\*x^6-39\*x^5-311\*x^4+766\*x^3+689\*x^2-191\*x-5)/(x+1)/(x^2+7\*x+1)/(x^2-3\*x+1)/(x^2-18\*x+1) ogf]  
A275931 6.95924 [ -(x^4-47\*x^3+195\*x^2-70\*x+2)/(x-1)/(x^2-47\*x+1)/(x^2-7\*x+1) ogf]  
A275932 7.22644 [ (x^3-55\*x^2-127\*x-8)/(x-1)/(x^2-47\*x+1)/(x^2-7\*x+1) ogf]  
A275944 5.62152 [ -(-4000000\*x^3+3333000\*x^2-224220\*x+1111)/(-1000000\*x^4+1111000\*x^3-112110\*x^2+1111\*x-1) lgdogf]  
A275944 9.77655 [ 1/(x-1)/(100\*x-1)/(1000\*x-1)/(10\*x-1) ogf]  
A275970 13.5820 [ -(2\*x^3+10\*x^2-16\*x+6)/(2\*x^4+x^3-9\*x^2+8\*x-2) lgdogf]  
A275970 18.2577 [ (x^2+2\*x-2)/(2\*x-1)/(x-1)^2 ogf]  
A275970 9.85593 [ {a(n+3)-4\*a(n+2)+5\*a(n+1)-2\*a(n), a(0) = 2, a(1) = 6, a(2) = 13}, ogf]  
A276009 9.03047 [ 2\*x^4\*(12\*x^44-7\*x^20+x^18+2\*x^14+x^12+2\*x^8+x^6-x^2+1)/(x+1)/(x^2+1)/(x^4+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x^8-x^4+1)/(x-1)^2 ogf]  
A276014 4.37330 [ {(-2304\*n^4-13440\*n^3-29232\*n^2-28104\*n-10080)\*a(n+1)+(n^4+8\*n^3+24\*n^2+32\*n+16)\*a(n+2), a(0) = 1, a(1) = 72}, ogf]  
A276016 3.79811 [ {(243\*n^3+1053\*n^2+1512\*n+720)\*a(n+1)+(-n^3-6\*n^2-12\*n-8)\*a(n+2), a(0) = 1, a(1) = 18}, ogf]  
A276016 9.52746 [ hypergeom([1/3, 1/3, 2/3],[1, 1],243\*x) ogf]  
A276018 15.9972 [ hypergeom([1/3, 1/3],[1],27\*x) ogf]



A276018 6.50293 [  $\{(-27*n^2-72*n-48)*a(n+1)+(n^2+4*n+4)*a(n+2), a(0) = 1, a(1) = 3\}$ , ogf]
  
A276019 5.45147 [  $\{(-2000*n^2-6000*n-4500)*a(n+1)+(88*n^2+396*n+450)*a(n+2)+(-n^2-6*n-9)*a(n+3), a(0) = 1, a(1) = 10, a(2) = 230\}$ , ogf]
  
A276021 3.59263 [  $\{(-3969*n^2-13230*n-11025)*a(n+1)+(117*n^2+546*n+645)*a(n+2)+(-n^2-6*n-9)*a(n+3), a(0) = 1, a(1) = 21, a(2) = 693\}$ , ogf]
  
A276026 14.8966 [  $[-(-23*x^2+62*x-51)/(-23*x^3+77*x^2-89*x+35) \text{ lgdogf}]$ 
  
A276026 16.0252 [  $[-4*(23*x^2-54*x+35)/(x-1)^3 \text{ ogf}]$ 
  
A276026 8.96322 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 140, a(1) = 204, a(2) = 284\}$ , ogf]
  
A276031 6.46161 [  $[x*(x^6-2*x^5+x^4-x^3+2*x^2+1)/(x^2+x+1)^2/(x-1)^4 \text{ ogf}]$ 
  
A276041 12.1012 [  $[-(-8*x^2-8*x-6)/(-8*x^3+4*x^2-2*x+1) \text{ lgdogf}]$ 
  
A276041 13.3531 [  $[-(4*x^2+1)/(2*x-1)^3 \text{ ogf}]$ 
  
A276041 6.79368 [  $\{a(n+3)-6*a(n+2)+12*a(n+1)-8*a(n), a(0) = 1, a(1) = 6, a(2) = 28\}$ , ogf]
  
A276042 6.81352 [  $[-(-20*x^4+32*x^3-42*x^2+16*x-4)/(-20*x^5+46*x^4-50*x^3+28*x^2-8*x+1) \text{ lgdogf}]$ 
  
A276042 7.01590 [  $[-(10*x^4-18*x^3+16*x^2-6*x+1)/(2*x-1)^5 \text{ ogf}]$ 
  
A276054 5.22102 [  $[-2*x^3*(x-1)*(x+1)*(x^4-x^3-1)/(x^2+1)/(x^3-x-1)/(x^3-2*x^2-x+1)^2 \text{ ogf}]$ 
  
A276055 10.9175 [  $[-(x^2+1)*(x^3-x-1)/(x^6-2*x^4-x^2+1) \text{ ogf}]$ 
  
A276057 10.3393 [  $[2*x^4/(x^3+x+1)/(x^3+x-1)^2 \text{ ogf}]$ 
  
A276057 9.36616 [  $[-(-9*x^5-12*x^3-3*x^2-3*x-1)/(-x^6-2*x^4-x^2+1) \text{ lgdogf}]$ 
  
A276059 8.87919 [  $[-2*x^7*(x-1)/(x+1)/(x^3-x+1)/(x^3+x-1)^2 \text{ ogf}]$ 
  
A276061 6.66902 [  $[2*x^5*(x-1)*(x^2+x+1)/(x+1)/(x^2-x+1)/(x^3-x-1)/(x^3+x-1)^2 \text{ ogf}]$ 
  
A276063 8.46374 [  $[2*x^5/(x^4+x+1)/(x^4+x-1)^2 \text{ ogf}]$ 
  
A276063 9.25107 [  $[-(-12*x^7-15*x^4-4*x^3-3*x-1)/(-x^8-2*x^5-x^2+1) \text{ lgdogf}]$ 
  
A276065 8.34727 [  $[2*x^6/(x^2+x+1)/(x^3-x^2+1)/(x^2-x+1)^2/(x^3+x^2-1)^2 \text{ ogf}]$ 
  
A276065 9.21078 [  $[-(-15*x^9-18*x^5-5*x^4-3*x-1)/(-x^10-2*x^6-x^2+1) \text{ lgdogf}]$ 
  
A276071 4.41633 [  $[x^4*(x^15-x^14-x^13+x^12-3*x^11-11*x^10+x^9+3*x^8+3*x^7-11*x^6+x^5-3*x^4-x^3-x^2-x-1)/(x-1)^5/(x+1)^5/(x^2+1)^5 \text{ ogf}]$ 
  
A276076 4.89870 [  $[-(2*x+1)*(5*x^6+1)*(25*x^12+1)*(9*x^4+3*x^2+1)/(7*x^24-1) \text{ ogf}]$ 
  
A276106 14.6739 [  $[-(-8*x^7-7*x^6-1)/(-x^8-x^7-x+1) \text{ lgdogf}]$ 
  
A276106 26.9682 [  $[-1/(x^2+1)/(x^3-x+1)/(x^3+x^2-1) \text{ ogf}]$ 
  
A276123 7.78379 [  $[-(4*x^5+10*x^4-13*x^3-16*x^2+x+1)/(x-1)/(x+1)/(x^4-16*x^2+1) \text{ ogf}]$ 
  
A276129 11.7117 [  $[-(3*x^2+3)/(-x^4-x^3+2*x^2+x-1) \text{ lgdogf}]$ 
  
A276129 9.83207 [  $[(x+1)^3*(x-1)^3/(x^2+x-1)^3 \text{ ogf}]$ 
  
A276139 10.7300 [  $[-(2*x^2-18*x-5)/(-20*x^4-22*x^3-7*x^2-x+1) \text{ lgdogf}]$ 
  
A276139 15.1840 [  $[-(4*x^2+2*x+1)/(5*x^2+3*x-1) \text{ ogf}]$ 
  
A276139 7.81312 [  $\{-a(n+3)+3*a(n+2)+5*a(n+1), a(0) = 1, a(1) = 5, a(2) = 24\}$ , ogf]
  
A276155 8.87492 [  $[(x^15+x^13+x^3+x+1)/(x^2+1)/(x^4+1)/(x^8-x^4+1)/(x-1)^2 \text{ ogf}]$ 
  
A276159 17.9893 [  $[-(-20*x-16)/(-5*x^2+4*x+1) \text{ lgdogf}]$ 
  
A276159 5.84068 [  $\{(n+3)*a(n+3)+(-8+4*n)*a(n+2)+(-25-5*n)*a(n+1), a(0) = 1, a(1) = 16, a(2) = 106\}$ , ogf]
  
A276159 9.99404 [  $[(5*x+1)^2/(x-1)^6 \text{ ogf}]$ 
  
A276225 15.3044 [  $[(x^2+4*x-3)/(x^3+x^2+2*x-1) \text{ ogf}]$ 
  
A276225 8.33543 [  $\{a(n+3)-2*a(n+2)-a(n+1)-a(n), a(0) = 3, a(1) = 2, a(2) = 6\}$ , ogf]
  
A276225 9.62441 [  $[-(-x^4-8*x^3+7*x^2+4*x+2)/(-x^5-5*x^4-3*x^3-4*x^2+10*x-3) \text{ lgdogf}]$ 
  
A276226 12.6068 [  $[-(-4*x^3+7*x^2+6*x+4)/(-2*x^4+x^3-x^2+8*x-3) \text{ lgdogf}]$ 
  
A276226 17.6937 [  $[2*x*(2*x-3)/(x^3+x^2+2*x-1) \text{ ogf}]$ 
  
A276226 9.08595 [  $\{-a(n+3)+2*a(n+2)+a(n+1)+a(n), a(0) = 0, a(1) = 6, a(2) = 8\}$ , ogf]
  
A276228 12.8525 [  $[-(2*x^2+2*x+3)/(x^3-2*x^2-x-1) \text{ ogf}]$ 
  
A276228 7.00002 [  $\{-a(n+3)-a(n+2)-2*a(n+1)+a(n), a(0) = 3, a(1) = -1, a(2) = -3\}$ , ogf]

A276228 8.08249  $[-(2*x^4+4*x^3+7*x^2-8*x-1)/(2*x^5-2*x^4-3*x^3-10*x^2-5*x-3)$   
lgdogf]  
A276229 11.1819  $[-(-3*x^2+4*x+1)/(-x^3+2*x^2+x+1)$  lgdogf]  
A276229 17.4547  $[-x^2/(x^3-2*x^2-x-1)$  ogf]  
A276229 6.50585  $[{a(n+3)+a(n+2)+2*a(n+1)-a(n), a(0) = 0, a(1) = 0, a(2) = 1},$   
ogf]  
A276243 4.43661  $[-(28*x^8-113*x^7-47*x^6+424*x^5-150*x^4-33*x^3-23*x^2+9*x+3)/$   
 $(2*x-1)/(28*x^5+41*x^4-21*x^3-2*x^2-3*x+1)$  ogf]  
A276265 12.0588  $[-(12*x^2+12*x-8)/(12*x^3-6*x^2-4*x+1)$  lgdogf]  
A276265 17.9542  $[(2*x+1)/(6*x^2-6*x+1)$  ogf]  
A276265 9.85291  $[{-a(n+2)+6*a(n+1)-6*a(n), a(0) = 1, a(1) = 8},$  ogf]  
A276275 14.4661  $[2*(x^2-x-1)/(x^3+x^2-1)$  ogf]  
A276275 8.86630  $[{a(n+3)-a(n+1)-a(n), a(0) = 2, a(1) = 2, a(2) = 0},$  ogf]  
A276275 9.81626  $[-(-x^4+2*x^3+4*x^2+1)/(-x^5+2*x^3+2*x^2-x-1)$  lgdogf]  
A276276 11.2176  $[(2*x^2-x-2)/(x^3+x^2-1)$  ogf]  
A276276 6.87531  $[{a(n+3)-a(n+1)-a(n), a(0) = 2, a(1) = 1, a(2) = 0},$  ogf]  
A276278 7.97680  $[-(x^7+2*x^6-x^5-2*x^4-x^3-x^2-2*x-3)/(x+1)/(x^2+x+1)/(x^2-x$   
 $+1)/(x-1)^2$  ogf]  
A276283 13.8399  $[(x^3+3*x^2+x+1)/(x^2+1)/(x-1)^2$  ogf]  
A276283 5.35513  $[{(-3*n-10)*a(n+1)+(3*n+7)*a(n+2)+(-3*n-10)*a(n+3)+(3*n+7)*a(n$   
 $+4), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 11},$  ogf]  
A276283 9.86731  $[-(-x^5-7*x^4-2*x^3-6*x^2-5*x-3)/(-x^6-2*x^5+x^4-2*x^3+3*x^2+1)$   
lgdogf]  
A276285 10.8434  $[-(13*x^2-13*x+26)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A276286 11.2506  $[-(14*x^2-14*x+28)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A276287 10.9643  $[-(15*x^2-15*x+30)/(-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A276288 15.0882  $[-x*(3*x^2-x-1)/(3*x^4-7*x^2+1)$  ogf]  
A276288 7.93431  $[-(-18*x^5+9*x^4+12*x^3-7*x^2-8*x-1)/$   
 $(-9*x^6+3*x^5+24*x^4-7*x^3-10*x^2+x+1)$  lgdogf]  
A276288 8.76552  $[{-a(n+4)+7*a(n+2)-3*a(n), a(0) = 0, a(1) = 1, a(2) = 1, a(3) =$   
 $4},$  ogf]  
A276289 14.2688  $[-(x+1)*x/(2*x-1)^3$  ogf]  
A276289 17.2415  $[-(4*x+7)/(2*x^2+x-1)$  lgdogf]  
A276289 7.38921  $[{a(n+3)-6*a(n+2)+12*a(n+1)-8*a(n), a(0) = 0, a(1) = 1, a(2) =$   
 $7},$  ogf]  
A276293 4.71695  $[{a(n+4)-4*a(n+3)+4*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 4, a(2) =$   
 $11, a(3) = 31},$  ogf]  
A276293 9.72417  $[-(x^3-x^2+1)/(2*x^3-4*x^2+4*x-1)$  ogf]  
A276294 5.51765  $[(2*x^6-11*x^5+3*x^4-7*x^3+11*x^2-2)/(x-1)/(6*x^4-x^3+3*x^2-5*x$   
 $+1)$  ogf]  
A276300 4.63407  $[{a(n+4)-4*a(n+3)-a(n+2)+4*a(n+1), a(0) = 5, a(1) = 11, a(2) =$   
 $45, a(3) = 173},$  ogf]  
A276300 9.13381  $[(2*x^3-4*x^2-9*x+5)/(x-1)/(4*x-1)/(x+1)$  ogf]  
A276301 4.50521  $[(30*x^7+39*x^6-149*x^5-35*x^4+49*x^3+75*x^2+25*x-14)/(x-1)/$   
 $(15*x^5-7*x^4-13*x^3-13*x^2-3*x+1)$  ogf]  
A276308 6.49062  $[-(4*x^8+10*x^7+22*x^6-25*x^5-31*x^4-34*x^3+x^2+x+1)/(x-1)/$   
 $(x^2+x+1)/(x^6-34*x^3+1)$  ogf]  
A276310 21.8305  $[-2*x^3-2*x^2+x$  revogf]  
A276310 3.73570  $[{(27*n^2+108*n+105)*a(n+1)+(26*n^2+143*n+195)*a(n$   
 $+2)+(-3*n^2-21*n-36)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 10},$  ogf]  
A276314 23.0409  $[-3*x^3-x^2+x$  revogf]  
A276314 3.90110  $[{(-243*n^2-972*n-945)*a(n+1)+(-58*n^2-319*n-435)*a(n$   
 $+2)+(13*n^2+91*n+156)*a(n+3), a(0) = 1, a(1) = 1, a(2) = 5},$  ogf]  
A276315 22.5485  $[-2*x^3-3*x^2+x$  revogf]  
A276315 3.71934  $[{(108*n^2+432*n+420)*a(n+1)+(216*n^2+1188*n+1620)*a(n$   
 $+2)+(-17*n^2-119*n-204)*a(n+3), a(0) = 1, a(1) = 3, a(2) = 20},$  ogf]  
A276316 18.8898  $[x*(x^2-4*x+1)$  revogf]  
A276316 3.54183  $[{(-27*n^2-108*n-105)*a(n+1)+(-184*n^2-1012*n-1380)*a(n$   
 $+2)+(12*n^2+84*n+144)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 31},$  ogf]  
A276351 6.46693  $[-2*(4*x^6+39*x^5+287*x^4+254*x^3+138*x^2-5*x+3)/(x-1)^7$  ogf]  
A276352 12.3811  $[-(2000*x-110)/(1000*x^2-110*x+1)$  lgdogf]

A276352 16.7000 [ 90\*x/(100\*x-1)/(10\*x-1) ogf]  
A276352 8.25403 [{a(n+2)-110\*a(n+1)+1000\*a(n), a(0) = 0, a(1) = 90}, ogf]  
A276368 6.99091 [{(81\*n^2+243\*n+180)\*a(n+1)+(18\*n+36)\*a(n  
+2)+(-4\*n^2-20\*n-24)\*a(n+3), a(0) = 1, a(1) = 3, a(2) = 9}, ogf]  
A276382 13.6003 [ (x^3-3\*x-1)/(x+1)/(x-1)^3 ogf]  
A276382 9.32153 [ -(-x^4-2\*x^3+6\*x^2+10\*x+5)/(-x^5+4\*x^3+x^2-3\*x-1) lgdogf]  
A276394 8.63520 [ -x\*(x^20+x^19+x^18+x^14+x^13+x^9+x^8+x^7+x^2+x+1)\*(x^2-x+1)/  
(x-1)/(x^4+x^3+x^2+x+1)/(x^20+x^15+x^10+x^5+1) ogf]  
A276396 10.0989 [ -(x-3)\*(10\*x^2+3\*x+10)/(11\*x^4-30\*x^3+2\*x^2-33\*x+1) ogf]  
A276401 6.11360 [ (30\*x^6-223\*x^5+190\*x^4+105\*x^3+73\*x^2-64\*x-39)/(3\*x^3-1)/  
(x^2+x+1)/(x-1)^2 ogf]  
A276403 12.1033 [ -(48\*x^5+36\*x^4+27\*x^3+18\*x^2+12\*x+8)/(3\*x^3-1)/(3\*x^3+1) ogf]  
A276425 10.5997 [ -(x^6-x^5-2\*x^4+2\*x^3-x^2+x+1)/(x-1) ogf\_with\_Euler\_transform]  
A276477 14.7377 [ (x^2-2\*x-2)/(x^3+x^2-1) ogf]  
A276477 8.75052 [ -(-x^4+4\*x^3+8\*x^2+2\*x+2)/(-x^5+x^4+4\*x^3+3\*x^2-2\*x-2) lgdogf]  
A276477 8.93670 [{a(n+3)-a(n+1)-a(n), a(0) = 2, a(1) = 2, a(2) = 1}, ogf]  
A276482 6.98806 [{(5\*n^2+16\*n+12)\*a(n+1)-a(n+2), a(0) = 1, a(1) = 1}, ogf]  
A276489 23.5600 [40/(-25\*x+1) lgdegf]  
A276489 7.60001 [{(-25\*n-65)\*a(n+1)+a(n+2), a(0) = 15, a(1) = 600}, ogf]  
A276491 14.8334 [ -(4\*x^9+2\*x^7+2\*x^5+2\*x^3+2\*x)/(-x^10+1)  
ogf\_with\_Euler\_transform]  
A276502 31.4687 [-x^17+x^8+1 ogf\_with\_Euler\_transform]  
A276502 5.87640 [ -  
(x^89+x^88+x^87+x^86+x^85+x^84+x^83+x^82+x^81-4\*x^10+2\*x^9-4\*x+2)/(2\*x^90-  
x^81-4\*x^2+6\*x-2) ogf]  
A276506 30.7062 [9\*exp(x) lgdegf]  
A276507 27.2066 [10\*exp(x) lgdegf]  
A276508 14.6900 [ x\*(3\*x-2)/(5\*x-1)/(x^2-x+1) ogf]  
A276508 7.54353 [{a(n+3)-6\*a(n+2)+6\*a(n+1)-5\*a(n), a(0) = 0, a(1) = 2, a(2) =  
9}, ogf]  
A276508 9.62451 [ -(30\*x^3-48\*x^2+24\*x-9)/(15\*x^4-28\*x^3+30\*x^2-15\*x+2) lgdogf]  
A276509 10.7827 [ -(250\*x^2+40\*x-47)/(250\*x^3-255\*x^2+3\*x+2) lgdogf]  
A276509 16.1740 [ (25\*x+2)/(10\*x-1)/(x-1) ogf]  
A276509 9.13356 [ {-a(n+2)+11\*a(n+1)-10\*a(n), a(0) = 2, a(1) = 47}, ogf]  
A276529 7.49766 [ -(2\*x^9+3\*x^8+4\*x^7+5\*x^6+6\*x^5-x^4-x^3-x^2-x-1)/  
(x^10-7\*x^5+1) ogf]  
A276551 22.4532 [2/(-x^2+2\*x-1) ogf\_with\_Euler\_transform]  
A276552 22.8040 [3/(-x^2+2\*x-1) ogf\_with\_Euler\_transform]  
A276598 15.0242 [ -(2\*x-6)/(x^2-6\*x+1) lgdogf]  
A276598 19.4909 [ 5\*x/(x^2-6\*x+1) ogf]  
A276598 8.90325 [ {a(n+2)-6\*a(n+1)+a(n), a(0) = 0, a(1) = 5}, ogf]  
A276599 11.6164 [ (x+1)\*(x^2+3\*x+1)/(x^2+2\*x-1)/(x^2-2\*x-1) ogf]  
A276600 10.2386 [ x\*(2\*x^4+3\*x^3+7\*x^2+3\*x+2)/(x^6-6\*x^3+1) ogf]  
A276601 11.7734 [ (x+1)\*(x^2+5\*x+1)/(x^2+2\*x-1)/(x^2-2\*x-1) ogf]  
A276602 15.3508 [ -(2\*x-6)/(x^2-6\*x+1) lgdogf]  
A276602 19.9146 [ 9\*x/(x^2-6\*x+1) ogf]  
A276602 9.09679 [ {a(n+2)-6\*a(n+1)+a(n), a(0) = 0, a(1) = 9}, ogf]  
A276643 22.6956 [ -4\*x^9+4 ogf\_with\_Euler\_transform]  
A276644 9.42559 [ x\*(10\*x-1)\*(x-1)/(10\*x^2-21\*x+1)/(10\*x^2-12\*x+1) ogf]  
A276647 8.86918 [ (2\*x^2-2\*x+1)\*(x+1)^2/(2\*x^2-1)/(x-1)^3 ogf]  
A276658 10.9837 [ (3\*x^2-x-1)/(x^3+x^2+x-1) ogf]  
A276658 6.03611 [ {a(n+3)-a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 0}, ogf]  
A276658 7.28270 [ -(-3\*x^4+2\*x^3+7\*x^2-4\*x+2)/(-3\*x^5-2\*x^4-x^3+5\*x^2-1) lgdogf]  
A276659 10.3020 [ x\*(3\*x-2)/(2\*x-1)^2/(x-1)^3 ogf]  
A276659 11.5140 [ -(-24\*x^2+32\*x-11)/(-6\*x^3+13\*x^2-9\*x+2) lgdogf]  
A276659 3.89527 [ {(6+2\*n)\*a(n+4)+(-29-9\*n)\*a(n+3)+(45+13\*n)\*a(n+2)+(-24-6\*n)\*a(n  
+1), a(0) = 0, a(1) = 2, a(2) = 11, a(3) = 39}, ogf]  
A276666 4.26628 [ {(24\*n^2+84\*n+72)\*a(n+1)+(-10\*n^2-50\*n-60)\*a(n+2)+(n^2+7\*n  
+12)\*a(n+3), a(0) = -1, a(1) = 0, a(2) = 2}, ogf]  
A276666 8.43880 [-2/9\*x^2-4/9\*x+1/9-1/9\*(4\*x^4+16\*x^3+21\*x^2+10\*x+1)^(1/2)  
revogf]

A276670 4.55939 [  $3*x^2*(x^{12}+2*x^{11}+5*x^{10}+10*x^9+31*x^8+20*x^7+22*x^6+20*x^5+31*x^4+10*x^3+5*x^2+2*x+1)/(x-1)^4/(x+1)^4/(x^2+1)^4$  ogf ]  
A276677 7.88909 [  $-(-12*x^4+8*x^3-2*x^2+2)/(-4*x^6+4*x^5+4*x^4-6*x^3+x^2+2*x-1)$  lgdogf ]  
A276677 9.83701 [  $-(2*x^2-2*x+1)*(x+1)^2/(2*x^2-1)/(x-1)^2$  ogf ]  
A276704 10.4645 [  $(x^5+5*x^4-15*x^3+4*x-3)/(x-1)^3$  ogf ]  
A276705 5.57367 [  $(13*x^{10}+x^9-27*x^8-15*x^7-35*x^6-10*x^5-x^4+x^3+6*x^2-x-4)/(x+1)^2/(x-1)^3$  ogf ]  
A276706 9.58558 [  $(3*x^8+x^7-x^4+x^2+x+1)/(x+1)/(x-1)^2$  ogf ]  
A276720 9.03429 [  $-(x-1)*(x+1)/(x^8+3*x^7-5*x^5-5*x^4-x^3-2*x^2-x+1)$  ogf ]  
A276764 8.59326 [  $-2*(2*x^4+3*x^3+17*x^2+5*x+5)/(x+1)^2/(x-1)^3$  ogf ]  
A276785 13.1270 [  $x^5/(2*x-1)/(x^5+x^4-x^3+2*x-1)$  ogf ]  
A276785 7.94526 [  $-(12*x^5+5*x^4-12*x^3+3*x^2+8*x-4)/(2*x^6+x^5-3*x^4+x^3+4*x^2-4*x+1)$  lgdogf ]  
A276819 15.7718 [  $-(-6*x^2-16*x-5)/(-6*x^3+4*x^2+x+1)$  lgdogf ]  
A276819 16.8061 [  $-(6*x^2+2*x+1)/(x-1)^3$  ogf ]  
A276819 9.07230 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 18\}$ , ogf ]  
A276838 7.84358 [  $-(x-1)*(x+1)/(x^8+5*x^7+2*x^6-8*x^5-12*x^4-2*x^3-2*x^2-x+1)$  ogf ]  
A276847 6.73073 [  $-(-4*x^{11}-x^9-2*x^7-2*x^5-2*x^3-x)/(x^{12}-1)$  ogf\_with\_Euler\_transform ]  
A276849 11.8908 [  $-(8*x^2-10*x-2)/(8*x^3+11*x^2-18*x+5)$  lgdogf ]  
A276849 17.7041 [  $(8*x-5)/(x^2+2*x-1)$  ogf ]  
A276849 9.71568 [  $\{-a(n+2)+2*a(n+1)+a(n), a(0) = 5, a(1) = 2\}$ , ogf ]  
A276877 7.58768 [  $(2*x^8+3*x^7+3*x^6+3*x^5+3*x^4+3*x^3+3*x^2+x+1)/(x^4+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf ]  
A276914 8.32849 [  $-(-6*x^4-12*x^3-48*x^2-20*x-10)/(-3*x^5-3*x^4-6*x^3+2*x^2+9*x+1)$  lgdogf ]  
A276914 9.35785 [  $-x*(3*x^3+3*x^2+9*x+1)/(x+1)^2/(x-1)^3$  ogf ]  
A276915 11.5767 [  $-x*(3*x-1)/(x+1)/(x^2-14*x+1)$  ogf ]  
A276915 5.99146 [  $\{a(n+3)-13*a(n+2)-13*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 10\}$ , ogf ]  
A276915 7.94216 [  $-(-6*x^3+42*x^2-26*x-10)/(-3*x^4+40*x^3+26*x^2-16*x+1)$  lgdogf ]  
A276916 8.68395 [  $-(13*x^4+12*x^3+34*x^2+4*x+1)/(x+1)^2/(x-1)^3$  ogf ]  
A276917 7.72605 [  $-(6*x^5-6*x^4+15*x^3-4*x-1)/(3*x^2-1)/(2*x^2-1)/(x-1)^2$  ogf ]  
A276918 11.6550 [  $-(4*x^3-6*x^2+2*x+1)/(2*x-1)/(x-1)/(2*x^2-1)$  ogf ]  
A276924 12.7525 [  $-24/(x^4+4*x^3+12*x^2+24*x-24)$  egf ]  
A276924 7.85910 [  $-(-4*x^3-12*x^2-24*x-24)/(-x^4-4*x^3-12*x^2-24*x+24)$  lgdegf ]  
A276925 10.3982 [  $-120/(x^5+5*x^4+20*x^3+60*x^2+120*x-120)$  egf ]  
A276925 6.25818 [  $-(5*x^4+20*x^3+60*x^2+120*x+120)/(x^5+5*x^4+20*x^3+60*x^2+120*x-120)$  lgdegf ]  
A276926 8.89320 [  $-720/(x^6+6*x^5+30*x^4+120*x^3+360*x^2+720*x-720)$  egf ]  
A276927 7.50981 [  $-5040/(x^7+7*x^6+42*x^5+210*x^4+840*x^3+2520*x^2+5040*x-5040)$  egf ]  
A276928 6.37625 [  $-40320/(x^8+8*x^7+56*x^6+336*x^5+1680*x^4+6720*x^3+20160*x^2+40320*x-40320)$  egf ]  
A276929 5.49498 [  $-362880/(x^9+9*x^8+72*x^7+504*x^6+3024*x^5+15120*x^4+60480*x^3+181440*x^2+362880*x-362880)$  egf ]  
A276930 4.72645 [  $-3628800/(x^{10}+10*x^9+90*x^8+720*x^7+5040*x^6+30240*x^5+151200*x^4+604800*x^3+1814400*x^2+3628800*x-3628800)$  egf ]  
A277044 6.82531 [  $-8*x^3*(3*x^4+8*x^3+7*x^2+10*x+2)/(x+1)^4/(x-1)^5$  ogf ]  
A277044 7.84911 [  $-(-15*x^5-51*x^4-69*x^3-111*x^2-42*x-12)/(-3*x^6-8*x^5-4*x^4-2*x^3+5*x^2+10*x+2)$  lgdogf ]  
A277054 8.24695 [  $3*(339558*x^4+2703776*x^3+27967654*x^2+310110570*x-341152263)/(x-1)$  ogf ]  
A277057 8.43450 [  $3*(66558*x^4+300803*x^3+3370627*x^2+37410570*x-41152263)/(x-1)$  ogf ]

A277082 12.1742 [  $-x^*(x^2+11*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A277082 12.9648 [  $-(-3*x^3-45*x^2-18*x-12)/(-x^4-11*x^3+11*x+1)$  lgdogf]  
A277088 5.69656 [  $-(2*x^8+x^7+3*x^6-x^5+2*x^3-3*x^2+3*x-5)/(x-1)/(x^8+x^7+2*x^6+x^5+x^4+2*x^3+2*x-1)$  ogf]  
A277089 7.22888 [  $-(5*x^6-3*x^5-x^4+2*x^3+x^2+3*x-6)/(x-1)/(2*x^6+x^3+x^2+2*x-1)$  ogf]  
A277090 45.1780 [1/(-x^8+1) ogf\_with\_Euler\_transform]  
A277091 16.2905 [  $-(-28*x-2)/(-14*x^2-2*x+1)$  lgdogf]  
A277091 21.4349 [  $-2*x/(14*x^2+2*x-1)$  ogf]  
A277091 9.93323 [  $\{-a(n+2)+2*a(n+1)+14*a(n), a(0) = 0, a(1) = 2\}$ , ogf]  
A277093 8.24997 [  $(6*x^7+6*x^6+6*x^5+7*x^4+6*x^3+6*x^2+6*x+1)/(x^4+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A277096 7.49995 [  $(3*x^8+6*x^7+6*x^6+6*x^5+x^4+6*x^3+6*x^2+6*x+4)/(x^4+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A277104 11.5514 [  $-(-9*x^2-12*x+11)/(-9*x^3+6*x^2+5*x-2)$  lgdogf]  
A277104 16.2212 [  $6*(3*x+2)/(3*x-1)/(x-1)$  ogf]  
A277104 9.07613 [  $\{-a(n+2)+4*a(n+1)-3*a(n), a(0) = 12, a(1) = 66\}$ , ogf]  
A277105 11.5624 [  $\{-a(n+2)+4*a(n+1)-3*a(n), a(0) = 9, a(1) = 90\}$ , ogf]  
A277105 14.1129 [  $-(18*x^2+6*x-10)/(18*x^3-21*x^2+2*x+1)$  lgdogf]  
A277105 20.8626 [  $9*(6*x+1)/(3*x-1)/(x-1)$  ogf]  
A277106 10.9643 [  $-(3*x^2+6*x-5)/(3*x^3-x^2-3*x+1)$  lgdogf]  
A277106 14.9301 [  $12*(x+1)/(3*x-1)/(x-1)$  ogf]  
A277106 8.35376 [  $\{-a(n+2)+4*a(n+1)-3*a(n), a(0) = 12, a(1) = 60\}$ , ogf]  
A277107 14.9544 [  $-(6*x-4)/(3*x^2-4*x+1)$  lgdogf]  
A277107 18.8897 [  $96*x/(3*x-1)/(x-1)$  ogf]  
A277107 8.75378 [  $\{a(n+2)-4*a(n+1)+3*a(n), a(0) = 0, a(1) = 96\}$ , ogf]  
A277108 12.5422 [  $8*(2*x-3)/(x-1)^3$  ogf]  
A277108 14.3713 [  $-(-4*x+7)/(-2*x^2+5*x-3)$  lgdogf]  
A277108 5.99844 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 24, a(1) = 56, a(2) = 96\}$ , ogf]  
A277113 11.5688 [  $(35*x^3+34*x^2+34*x+34)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A277131 8.97272 [  $-(-13*x^3+43*x^2-77*x+127)/(-13*x^4+54*x^3-94*x^2+98*x-45)$  lgdogf]  
A277131 9.96969 [  $-(13*x^3-41*x^2+53*x-45)/(x-1)^4$  ogf]  
A277136 7.49995 [  $(x^8+6*x^7+7*x^6+6*x^5+6*x^4+6*x^3+x^2+6*x+5)/(x^4+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A277139 7.64447 [  $(4*x^8+6*x^7+x^6+6*x^5+6*x^4+6*x^3+7*x^2+6*x+2)/(x^4+1)/(x+1)/(x^2+1)/(x-1)^2$  ogf]  
A277155 9.57499 [  $-x^{10}*(x^8-x^4+1)*(x^4+1)^2/(x-1)/(x^2+x+1)/(x^6+x^3+1)/(x^{18}+x^9+1)$  ogf]  
A277156 12.6132 [  $-x^{11}*(x+1)*(x^4-x^3+x^2-x+1)/(x-1)/(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A277157 12.4291 [  $-x^{12}*(x^2+1)*(x^4-x^2+1)/(x-1)/(x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A277176 4.14563 [  $\{(4*n^2+18*n+20)*a(n+1)+(-n^2-11*n-22)*a(n+2)+(n+4)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 6\}$ , ogf]  
A277178 17.2191 [  $-(10*x-7)/(4*x^2-5*x+1)$  lgdogf]  
A277178 5.58765 [  $\{(n+2)*a(n+3)+(-12-5*n)*a(n+2)+(10+4*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 7\}$ , ogf]  
A277209 7.40110 [  $-x*(9*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(10*x^9-1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A277210 33.6564 [  $-x^3/(x^3-1)$  ogf\_with\_Euler\_transform]  
A277221 3.41728 [  $\{(4*n^2+18*n+20)*a(n+1)+(-13*n^2-59*n-64)*a(n+2)+(7*n^2+33*n+32)*a(n+3)+(-n^2-5*n-4)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6\}$ , ogf]  
A277226 4.26525 [  $-(x^8+28*x^7+272*x^6+804*x^5+1150*x^4+804*x^3+272*x^2+28*x+1)/(x+1)^3/(x-1)^9$  ogf]  
A277228 11.8908 [  $-(4*x^2+22*x+22)/(x^3+3*x^2-x-3)$  lgdogf]  
A277228 3.94367 [  $\{(-349*n^2-2821*n-5322)*a(n+1)+(-846*n^2-10480*n-32164)*a(n+2)+(1195*n^2+5581*n+4386)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 3\}$ , ogf]  
A277228 8.17491 [  $x^2*(x+3)*(x+1)/(x-1)^6$  ogf]

A277229 11.8737  $[-(12x^2+26x+10)/(3x^3+x^2-3x-1) \text{ lgdogf}]$   
A277229 3.99769  $[\{(n+3)a(n+4)+(-4+3n)a(n+3)+(-27-n)a(n+2)+(-12-3n)a(n+1), a(0) = 0, a(1) = 1, a(2) = 10, a(3) = 48\}, \text{ ogf}]$   
A277229 8.64718  $[x(x+1)(3x+1)/(x-1)^6 \text{ ogf}]$   
A277236 11.2635  $[-(10x^2+12x+4)/(8x^4+14x^3+5x^2-2x-1) \text{ lgdogf}]$   
A277236 15.9389  $[-(x+1)(2x+1)/(4x^2+x-1) \text{ ogf}]$   
A277236 8.20157  $[\{a(n+3)-a(n+2)-4a(n+1), a(0) = 1, a(1) = 4, a(2) = 10\}, \text{ ogf}]$   
A277237 10.5616  $[-(-15x^2-18x-6)/(-20x^4-25x^3-4x^2+4x+1) \text{ lgdogf}]$   
A277237 15.1450  $[-(5x^2+5x+1)/(4x^2+x-1) \text{ ogf}]$   
A277237 7.79304  $[\{a(n+3)-a(n+2)-4a(n+1), a(0) = 1, a(1) = 6, a(2) = 15\}, \text{ ogf}]$   
A277252 13.8752  $[x(x^2-x-1)/(x+1)/(x^3+x-1) \text{ ogf}]$   
A277252 9.57388  $[-(2x^5-2x^4-6x^3-4x^2-1)/(x^6-x^4-2x^3-2x^2+x+1) \text{ lgdogf}]$   
A277253 11.9224  $[-(-x^6+2x^5+2x^4-4x^3-6x^2)/(-x^7-2x^2+1) \text{ lgdogf}]$   
A277253 14.5142  $[-(x^3-x^2+1)/(x+1)/(x^3+x-1) \text{ ogf}]$   
A277264 32.5152  $[-x^5/(x^5-1) \text{ ogf\_with\_Euler\_transform}]$   
A277277 8.59435  $[-(2x^9+6x^8+8x^7+6x^6+6x^5+5x^4+4x^3+3x^2+2x+1)/(x^4+x^2-1) \text{ ogf}]$   
A277345 3.89369  $[\{(n+2)a(n+1)+(n+2)a(n+2)+(-n-5)a(n+3)+a(n+4), a(0) = 2, a(1) = 3, a(2) = 9, a(3) = 31\}, \text{ ogf}]$   
A277347 7.71905  $[\{(2n^2+10n+13)a(n+1)-a(n+2), a(0) = 1, a(1) = 5\}, \text{ ogf}]$   
A277349 29.5847  $[-x^6/(x^6-1) \text{ ogf\_with\_Euler\_transform}]$   
A277352 6.38273  $[\{(2n^2+8n+9)a(n+1)-a(n+2), a(0) = 1, a(1) = 3\}, \text{ ogf}]$   
A277353 6.79002  $[\{(3n^2+12n+13)a(n+1)-a(n+2), a(0) = 1, a(1) = 4\}, \text{ ogf}]$   
A277354 6.07930  $[\{(4n^2+16n+17)a(n+1)-a(n+2), a(0) = 1, a(1) = 5\}, \text{ ogf}]$   
A277358 17.2254  $[-(-2-x)/(-2x+1) \text{ lgdegf}]$   
A277358 5.14193  $[\{(-n-2)a(n+1)+(-2n-6)a(n+2)+a(n+3), a(0) = 1, a(1) = 2, a(2) = 9\}, \text{ ogf}]$   
A277360 3.92518  $[\{(-4n^2-18n-18)a(n+1)+(16n^2+92n+131)a(n+2)-a(n+3), a(0) = 1, a(1) = 9, a(2) = 491\}, \text{ ogf}]$   
A277361 6.37566  $[x^2(x^4-4x^3+5x^2-2x+1)/(x^2+x-1)^4 \text{ ogf}]$   
A277361 7.37923  $[-(-4x^5+20x^4-30x^3+16x^2-12x-2)/(-x^6+3x^5-7x^3+6x^2-3x+1) \text{ lgdogf}]$   
A277369 10.2182  $[\{-a(n+2)+2a(n+1)+a(n), a(0) = 5, a(1) = 8\}, \text{ ogf}]$   
A277369 12.6954  $[-(2x^2-10x-8)/(2x^3-x^2-12x+5) \text{ lgdogf}]$   
A277369 18.6199  $[(2x-5)/(x^2+2x-1) \text{ ogf}]$   
A277378 11.2267  $[-(x^2-3x-2)/(x^3-x^2-x+1) \text{ lgdegf}]$   
A277378 3.45436  $[\{(n^3+7n^2+16n+12)a(n+1)+(-n^2-8n-15)a(n+2)+(-n-5)a(n+3)+a(n+4), a(0) = 1, a(1) = 2, a(2) = 9, a(3) = 50\}, \text{ ogf}]$   
A277379 10.5004  $[-(-x^3+x^2+x+1)/(-x^4+2x^2-1) \text{ lgdegf}]$   
A277379 3.27537  $[\{(n+5)a(n+5)-a(n+4)+(-7-2n)a(n+3)-a(n+2)+(n+2)a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5/3, a(4) = 5/3\}, \text{ egf}]$   
A277381 22.2168  $[-2x+2\exp(2x) \text{ lgdegf}]$   
A277382 14.5418  $[-(-x+4)/(-x^2+2x-1) \text{ lgdegf}]$   
A277382 4.88115  $[\{(-n^2-4n-4)a(n+1)+(2n+8)a(n+2)-a(n+3), a(0) = 1, a(1) = 4, a(2) = 23\}, \text{ ogf}]$   
A277385 10.7401  $[-(-7x^2-2x+33)/(-6x^4+17x^3-23x^2+27x-15) \text{ lgdogf}]$   
A277385 11.4859  $[(6x^3-11x^2+12x-15)/(x-1)^3 \text{ ogf}]$   
A277385 6.03639  $[\{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0) = 15, a(1) = 33, a(2) = 65, a(3) = 105\}, \text{ ogf}]$   
A277387 8.18343  $[-(3x^4+26x^3+40x^2+10x+1)/(x-1)^7 \text{ ogf}]$   
A277387 8.95545  $[-(9x^4+116x^3+278x^2+140x+17)/(3x^5+23x^4+14x^3-30x^2-9x-1) \text{ lgdogf}]$   
A277388 7.90391  $[-(x^4+10x^3+40x^2+26x+3)/(x-1)^7 \text{ ogf}]$   
A277388 8.73194  $[-(3x^4+44x^3+230x^2+236x+47)/(x^5+9x^4+30x^3-14x^2-23x-3) \text{ lgdogf}]$   
A277393 14.1673  $[-(4x^2-2x+2)/(2x-1) \text{ lgdegf}]$   
A277393 3.56037  $[\{(-4n^2-20n-24)a(n+1)+(2n+6)a(n+2)+(-2n-8)a(n+3)+a(n+4), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 36\}, \text{ ogf}]$   
A277393 3.84198  $[1/5(x^{10}-25x^8+300x^6-2100x^4+8400x^2-15120)/(2x-1)/(x^8+24x^6+252x^4+1344x^2+3024) \text{ egf}]$   
A277402 4.77435  $[(6x^{12}-13x^{11}-29x^{10}+6x^9-18x^8-6x^7-18x^6-6x^5-18x^4-6x^3-12x^2-5x-$

$(6*x^{12}-13*x^{11}-29*x^{10}+6*x^9-18*x^8-6*x^7-18*x^6-6*x^5-18*x^4-6*x^3-12*x^2-5*x-1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x+1)^2/(x-1)^3$  ogf]  
A277411 17.6959 [  $(-(-12*x^2+28*x-13)/(-4*x^3+12*x^2-11*x+3)$  lgdogf]  
A277411 18.7849 [  $-x*(2*x-3)/(2*x-1)/(x-1)^3$  ogf]  
A277411 6.04465 [  $\{(9+3*n)*a(n+4)+(-35-11*n)*a(n+3)+(40+12*n)*a(n+2)+(-12-4*n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 13, a(3) = 38\}$ , ogf]  
A277426 13.7089 [  $\{a(n+1)-64*a(n), a(0) = 32\}$ , ogf]  
A277426 24.6761 [  $64/(-64*x+1)$  lgdogf]  
A277426 27.4179 [  $-32/(64*x-1)$  ogf]  
A277431 4.61772 [  $\{(2*n+4)*a(n+1)-2*a(n+2)+(-4-n)*a(n+3)+a(n+4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 12\}$ , ogf]  
A277432 4.52049 [  $\{(2*n+4)*a(n+1)-2*a(n+2)+(-n-4)*a(n+3)+a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 8\}$ , ogf]  
A277450 4.73453 [  $-(x^{18}-x^{17}+x^{16}+x^{15}+x^{13}+x^{11}+x^{10}+x^8+x^6+x^5+x^3+1)/(x-1)/(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A277451 17.9560 [  $30/(-104*x^2+22*x+1)$  lgdogf]  
A277451 18.9010 [  $-(1+26*x)/(4*x-1)$  ogf]  
A277451 9.83889 [  $\{a(n+2)-4*a(n+1), a(0) = 1, a(1) = 30\}$ , ogf]  
A277472 14.3545 [  $(-(-4*x^2+2*x+2)/(2*x-1)$  lgdegf]  
A277472 3.58864 [  $\{(-4*n^2-20*n-24)*a(n+1)+(2*n+6)*a(n+2)+(2*n+8)*a(n+3)-a(n+4), a(0) = 1, a(1) = 2, a(2) = 10, a(3) = 60\}$ , ogf]  
A277472 3.89276 [  $-1/5*(x^{10}+25*x^8+300*x^6+2100*x^4+8400*x^2+15120)/(2*x-1)/(x^8-24*x^6+252*x^4-1344*x^2+3024)$  egf]  
A277491 10.3949 [  $(-(-36*x^2+72*x-12)/(-36*x^3+49*x^2-14*x+1)$  lgdogf]  
A277491 15.4817 [  $-(x-1)/(9*x-1)/(4*x-1)$  ogf]  
A277491 8.56047 [  $\{-a(n+2)+13*a(n+1)-36*a(n), a(0) = 1, a(1) = 12\}$ , ogf]  
A277492 11.2997 [  $(7*x-1)*(5*x-3)/(9*x-1)/(4*x-1)$  ogf]  
A277492 6.07625 [  $\{a(n+3)-13*a(n+2)+36*a(n+1), a(0) = 3, a(1) = 13, a(2) = 96\}$ , ogf]  
A277492 7.48933 [  $(-(-481*x^2+146*x-13)/(1260*x^4-1391*x^3+481*x^2-65*x+3)$  lgdogf]  
A277560 5.31829 [  $\{-a(n+5)+101*a(n+3)-100*a(n+1), a(0) = 1, a(1) = 11, a(2) = 0, a(3) = 1111, a(4) = 0\}$ , ogf]  
A277560 9.48668 [  $(100*x^4-101*x^2+11*x+1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)$  ogf]  
A277563 5.42178 [  $\{(n-1)*a(n+1)+(n+3)*a(n+2)-a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 24\}$ , ogf]  
A277568 5.00714 [  $2*(x+1)*(2*x+1)*(x^5+x^3+1)*(x^{15}-x^{14}+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A277588 4.34589 [  $(9*x+1)*(x^2+1)*(x^8+x^7+x^4+x^3+1)*(x^{12}-x^{11}+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A277592 16.1147 [  $-x^{11}+x^{10}+x^5-x^4-x+3$  ogf\_with\_Euler\_transform]  
A277592 5.69461 [  $5*(x+1)*(x^4+x^3+x^2+x+1)*(x^2+1)*(x^4-x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A277593 5.69461 [  $2*(2*x+3)*(x+1)*(x^9+x^7+x^4+x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A277594 5.69461 [  $(3*x+7)*(x^{10}+x^9+x^8+x^6+x^5+x^4+x^3+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A277595 5.69461 [  $2*(x+4)*(x+1)*(x^2-x+1)*(x^7+x^6+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A277596 5.69461 [  $(x+9)*(x^2+1)*(x^8+x^5+x^4+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A277600 5.96457 [  $(2*x+3)*(x+1)*(x^9+x^7+x^4+x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A277601 5.96457 [  $(x+4)*(x+1)*(x^2-x+1)*(x^7+x^6+x^2+x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A277609 6.32155 [  $\{(-n+1)*a(n)+(-n-2)*a(n+1)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 6\}$ , ogf]  
A277618 14.7578 [  $x*(2*x^4+2*x^3-3*x^2+2*x+2)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A277619 5.77226 [  $(x^9-3*x^7+5*x^5+3*x^4-2*x^3-3*x^2+x+1)/(x^2+x+1)/(x+1)^2/(x-1)^4$  ogf]  
A277629 4.50722 [  $(x^{14}-4*x^{12}-2*x^{11}+3*x^{10}-4*x^8-2*x^7-4*x^5-3*x^4+2*x^3+3*x^2-x-1)/(x^2+x+1)/$

$(x^4+x^3+x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A277636 5.36898 [  $-(x^6+336x^5+4479x^4+9808x^3+4479x^2+336x+1)/(x-1)^7$  ogf]  
A277637 4.69773 [  $\{(27n^2+135n+168)a(n+1)+(-28n^2-142n-180)a(n+2)+(n^2+7n+12)a(n+3), a(0) = 1, a(1) = 4, a(2) = 34\}$ , ogf]  
A277643 16.8225 [  $-(-x^2+x+3)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A277650 8.33246 [ [2] ogf\_with\_Euler\_transform]  
A277652 4.20267 [  $\{(-n^3-5n^2-6n)a(n)+(6n^3+27n^2+35n+12)a(n+1)+(-n^3-4n^2-3n)a(n+2), a(0) = 0, a(1) = 0, a(2) = 4\}$ , ogf]  
A277653 10.9141 [  $-x^2(x-1)/(2x^4-2x^2-3x+1)$  ogf]  
A277653 6.93500 [  $-(-6x^4+8x^3+2x^2-4x-2)/(-2x^5+2x^4+2x^3+x^2-4x+1)$  lgdogf]  
A277660 16.3443 [  $-(5x-15)/(x^2-6x+1)$  lgdogf]  
A277660 5.37496 [  $\{(n+1)a(n+3)+(-15-6n)a(n+2)+(4+n)a(n+1), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A277661 9.06894 [  $(-1/(x^2-6x+1)^{1/2})(3x^2-12x+1)+1)/(x^2-6x+1)^{1/2}/x$  lgdogf]  
A277667 15.2012 [  $1/(x^4-2x^3+3x^2-4x+1)$  ogf]  
A277667 9.31075 [  $-(4x^3-6x^2+6x-4)/(x^4-2x^3+3x^2-4x+1)$  lgdogf]  
A277668 13.9687 [  $-1/(x^5-2x^4+3x^3-4x^2+5x-1)$  ogf]  
A277668 7.71190 [  $-(-5x^4+8x^3-9x^2+8x-5)/(-x^5+2x^4-3x^3+4x^2-5x+1)$  lgdogf]  
A277669 11.6366 [  $1/(x^6-2x^5+3x^4-4x^3+5x^2-6x+1)$  ogf]  
A277669 6.52048 [  $-(-6x^5+10x^4-12x^3+12x^2-10x+6)/(-x^6+2x^5-3x^4+4x^3-5x^2+6x-1)$  lgdogf]  
A277670 10.8152 [  $-1/(x^7-2x^6+3x^5-4x^4+5x^3-6x^2+7x-1)$  ogf]  
A277671 8.92967 [  $1/(x^8-2x^7+3x^6-4x^5+5x^4-6x^3+7x^2-8x+1)$  ogf]  
A277672 8.09485 [  $-1/(x^9-2x^8+3x^7-4x^6+5x^5-6x^4+7x^3-8x^2+9x-1)$  ogf]  
A277690 6.35142 [  $-(x^9-3x^8-4x^7-6x^6-6x^5-7x^4-6x^3-7x^2-4x-2)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A277723 8.54067 [  $x*(7x^8+6x^7+6x^6+6x^5+7x^4+6x^3+6x^2+6x+6)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A277752 10.9960 [  $(x^3+x^2-1)/(x+1)/(x^2-x-1)/(x-1)^2$  ogf]  
A277757 11.1899 [  $\{a(n+1)-64a(n), a(0) = 2\}$ , ogf]  
A277757 19.7688 [  $64/(-64x+1)$  lgdogf]  
A277757 22.8101 [  $-2/(64x-1)$  ogf]  
A277761 11.1780 [  $-x*(2x-1)/(2x+1)/(6x^2-6x+1)$  ogf]  
A277761 5.78859 [  $\{a(n+3)-4a(n+2)-6a(n+1)+12a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A277761 7.62732 [  $-(-48x^3+48x^2-12x-2)/(-24x^4+24x^3+2x^2-6x+1)$  lgdogf]  
A277782 10.2018 [  $-3x*(x-1)/(6x^3-8x^2-5x+1)$  ogf]  
A277782 5.19199 [  $\{a(n+3)-5a(n+2)-8a(n+1)+6a(n), a(0) = 0, a(1) = 3, a(2) = 12\}$ , ogf]  
A277782 6.92265 [  $-(-12x^3+26x^2-16x-4)/(-6x^4+14x^3-3x^2-6x+1)$  lgdogf]  
A277789 12.0222 [  $(2x^3+x^2-1)/(x+1)/(x^2-2x-1)/(x-1)^2$  ogf]  
A277792 6.66448 [  $-x*(x+1)*(x^4+188x^3+1062x^2+188x+1)/(x-1)^7$  ogf]  
A277792 7.02895 [  $-(-2x^5-572x^4-5756x^3-10000x^2-3634x-196)/(-x^6-188x^5-1061x^4+1061x^2+188x+1)$  lgdogf]  
A277797 10.5467 [  $(1100x^3-100x^2+1)/(x-1)/(10x+1)/(10x-1)/(x+1)$  ogf]  
A277798 10.8403 [  $(11x^3-x^2+1)/(x-1)/(10x+1)/(10x-1)/(x+1)$  ogf]  
A277799 13.2249 [  $(12x^3-4x^2+1)/(x-1)/(2x+1)/(2x-1)/(x+1)$  ogf]  
A277800 12.7180 [  $(3x^3-x^2+1)/(x-1)/(2x+1)/(2x-1)/(x+1)$  ogf]  
A277830 7.76524 [  $-(100x^3-121x^2+21x-1)/(10x-1)^2/(x-1)^2$  ogf]  
A277864 10.0211 [  $(1000x^3-100x^2+x+1)/(x-1)/(10x+1)/(10x-1)/(x+1)$  ogf]  
A277864 6.56251 [  $\{-a(n+4)+101a(n+2)-100a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1101\}$ , ogf]  
A277865 6.01728 [  $\{-a(n+4)+101a(n+2)-100a(n), a(0) = 1, a(1) = 10, a(2) = 100, a(3) = 1011\}$ , ogf]  
A277865 9.97150 [  $(x^3-x^2+10x+1)/(x-1)/(10x+1)/(10x-1)/(x+1)$  ogf]  
A277866 12.6724 [  $(8x^3-4x^2+x+1)/(x-1)/(2x+1)/(2x-1)/(x+1)$  ogf]  
A277867 12.3694 [  $(x^3-x^2+2x+1)/(x-1)/(2x+1)/(2x-1)/(x+1)$  ogf]  
A277924 3.58413 [  $\{(16n^2+56n+48)a(n+1)+(-8n^2-34n-28)a(n+2)+(n^2+5n$



+4)\*a(n+3), a(0) = 1, a(1) = 4, a(2) = 15}, ogf]  
 A277926 7.46823 [ -(100\*x^5-100\*x^4-101\*x^3+101\*x^2-10\*x-1)/(x-1)/(10\*x+1)/  
 (10\*x-1)/(x+1) ogf]  
 A277927 7.35493 [ -(1000\*x^5-100\*x^4-1010\*x^3+101\*x^2-x-1)/(x-1)/(10\*x+1)/  
 (10\*x-1)/(x+1) ogf]  
 A277928 9.19405 [ -(4\*x^5-4\*x^4-5\*x^3+5\*x^2-2\*x-1)/(x-1)/(2\*x+1)/(2\*x-1)/(x+1)  
 ogf]  
 A277929 9.08193 [ -(8\*x^5-4\*x^4-10\*x^3+5\*x^2-x-1)/(x-1)/(2\*x+1)/(2\*x-1)/(x+1)  
 ogf]  
 A277935 11.3169 [ 2\*x/(x-1)^6 ogf]  
 A277935 29.1007 [6/(-x+1) lgdogf]  
 A277935 62.2189 [[6] ogf\_with\_Euler\_transform]  
 A277935 7.91087 [ {(n+1)\*a(n+2)+(-6-n)\*a(n+1), a(0) = 0, a(1) = 2}, ogf]  
 A277936 11.4572 [ (4\*x^4-5\*x^2+3\*x+1)/(x-1)/(2\*x+1)/(2\*x-1)/(x+1) ogf]  
 A277936 5.95774 [ {-a(n+5)+5\*a(n+3)-4\*a(n+1), a(0) = 1, a(1) = 3, a(2) = 0, a(3)  
 = 15, a(4) = 0}, ogf]  
 A277939 9.17802 [ x\*(2\*x+3)/(x+1)/(2\*x^3-x^2-5\*x+1) ogf]  
 A277952 10.5758 [ -(x^2-10\*x-1)/(10\*x-1)/(10\*x+1)/(x-1) ogf]  
 A277952 5.86559 [ {a(n+3)-a(n+2)-100\*a(n+1)+100\*a(n), a(0) = 1, a(1) = 11, a(2) =  
 110}, ogf]  
 A277952 6.06961 [ -(-100\*x^4+2000\*x^3-701\*x^2-198\*x-11)/  
 (-100\*x^5+1100\*x^4-899\*x^3-111\*x^2+9\*x+1) lgdogf]  
 A277953 11.0540 [ -(100\*x^2-x-1)/(x-1)/(10\*x-1)/(x+1) ogf]  
 A277953 6.19403 [ {a(n+3)-10\*a(n+2)-a(n+1)+10\*a(n), a(0) = 1, a(1) = 11, a(2) =  
 11}, ogf]  
 A277953 6.24789 [ -(-1000\*x^4+20\*x^3-971\*x^2+198\*x-11)/  
 (-1000\*x^5+110\*x^4+1009\*x^3-111\*x^2-9\*x+1) lgdogf]  
 A277954 12.5530 [ -(x^2-2\*x-1)/(2\*x-1)/(2\*x+1)/(x-1) ogf]  
 A277954 6.83693 [ {-a(n+3)+a(n+2)+4\*a(n+1)-4\*a(n), a(0) = 1, a(1) = 3, a(2) = 6},  
 ogf]  
 A277954 7.81363 [ -(-4\*x^4+16\*x^3+3\*x^2-6\*x-3)/(-4\*x^5+12\*x^4-3\*x^3-7\*x^2+x+1)  
 lgdogf]  
 A277955 12.6024 [ -(4\*x^2-x-1)/(x-1)/(2\*x-1)/(x+1) ogf]  
 A277955 6.86380 [ {a(n+3)-2\*a(n+2)-a(n+1)+2\*a(n), a(0) = 1, a(1) = 3, a(2) = 3},  
 ogf]  
 A277955 8.00777 [ -(-8\*x^4+4\*x^3-3\*x^2+6\*x-3)/(-8\*x^5+6\*x^4+9\*x^3-7\*x^2-x+1)  
 lgdogf]  
 A277963 13.8735 [ -(x^3-3\*x^2+3\*x)/(-x^2+2\*x-1) ogf\_with\_Euler\_transform]  
 A277969 7.10253 [ -1/2/(x-1)^(1/2)/x/(5\*x-1)^(1/2)+1/2\*(4\*x+1)/(x-1)/x lgdogf]  
 A277975 11.4807 [ -(25\*x^2-5\*x+1)/(x-1)/(5\*x-1)^2 ogf]  
 A277975 6.43316 [ {a(n+3)-11\*a(n+2)+35\*a(n+1)-25\*a(n), a(0) = 1, a(1) = 6, a(2) =  
 56}, ogf]  
 A277975 8.29163 [ -(125\*x^3-25\*x^2-10\*x-6)/(125\*x^4-175\*x^3+60\*x^2-11\*x+1)  
 lgdogf]  
 A277976 12.9560 [ 2\*x\*(10\*x-13)/(x-1)^3 ogf]  
 A277976 14.4228 [ -(-20\*x+29)/(-10\*x^2+23\*x-13) lgdogf]  
 A277976 6.76465 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 26, a(2) =  
 58}, ogf]  
 A277977 4.12156 [ {(319\*n^2+1963\*n+2650)\*a(n+1)+(252\*n^2+3570\*n+8258)\*a(n  
 +2)+(-571\*n^2-1973\*n-1662)\*a(n+3), a(0) = 0, a(1) = 1, a(2) = 19}, ogf]  
 A277977 8.77492 [ x\*(x+1)\*(2\*x^2-13\*x-1)/(x-1)^5 ogf]  
 A277977 9.60080 [ -(-4\*x^3+27\*x^2+78\*x+19)/(-2\*x^4+13\*x^3+3\*x^2-13\*x-1) lgdogf]  
 A277978 13.7963 [ 6\*x\*(x-2)/(x-1)^3 ogf]  
 A277978 16.6705 [ -(-2\*x+5)/(-x^2+3\*x-2) lgdogf]  
 A277978 7.08129 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 12, a(2) =  
 30}, ogf]  
 A277979 14.6318 [ 2\*x\*(7\*x-11)/(x-1)^3 ogf]  
 A277979 16.6015 [ -(-14\*x+26)/(-7\*x^2+18\*x-11) lgdogf]  
 A277979 7.63963 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 22, a(2) =  
 52}, ogf]  
 A277980 13.1896 [ 6\*x\*(x-5)/(x-1)^3 ogf]

A277980 15.6121 [  $[-(-2*x+14)/(-x^2+6*x-5)]$  lgdogf ]  
A277980 6.76987 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 30, a(2) = 84\}$ , ogf ]  
A277981 11.0282 [  $[-(17*x^2-28*x-1)/(17*x^3-48*x^2+41*x-10)]$  lgdogf ]  
A277981 12.0621 [  $[2*(17*x^2-31*x+10)/(x-1)^3]$  ogf ]  
A277981 6.77171 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = -20, a(1) = 2, a(2) = 32\}$ , ogf ]  
A277982 10.9816 [  $[-(14*x^2-54*x+4)/(14*x^3-55*x^2+56*x-15)]$  lgdogf ]  
A277982 12.0111 [  $[2*(7*x-3)*(2*x-5)/(x-1)^3]$  ogf ]  
A277982 6.74306 [  $\{-a(n+3)+3*a(n+2)-3*a(n+1)+a(n), a(0) = -30, a(1) = -8, a(2) = 38\}$ , ogf ]  
A277983 12.1095 [  $[-(-14*x^2-12*x-1)/(-14*x^3+22*x^2-11*x+3)]$  lgdogf ]  
A277983 12.8547 [  $[-12*(14*x^2-8*x+3)/(x-1)^3]$  ogf ]  
A277983 7.26568 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 36, a(1) = 12, a(2) = 96\}$ , ogf ]  
A277984 14.2249 [  $[-12*x*(7*x+2)/(x-1)^3]$  ogf ]  
A277984 16.7853 [  $[-(-14*x-13)/(-7*x^2+5*x+2)]$  lgdogf ]  
A277984 7.36199 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 24, a(2) = 156\}$ , ogf ]  
A277985 13.6358 [  $[-(-25*x^2-52*x-4)/(-25*x^3+24*x^2+1)]$  lgdogf ]  
A277985 13.8522 [  $[-6*(25*x^2+x+1)/(x-1)^3]$  ogf ]  
A277985 7.58860 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 6, a(1) = 24, a(2) = 204\}$ , ogf ]  
A277986 15.0640 [  $[-(-44*x-30)/(-44*x^2+51*x-7)]$  lgdogf ]  
A277986 16.6665 [  $[2*(44*x-7)/(x-1)^2]$  ogf ]  
A277986 9.32532 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = -14, a(1) = 60\}$ , ogf ]  
A277987 13.9259 [  $[-(-32*x-18)/(-32*x^2+39*x-7)]$  lgdogf ]  
A277987 15.0864 [  $[4*(32*x-7)/(x-1)^2]$  ogf ]  
A277987 8.62079 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = -28, a(1) = 72\}$ , ogf ]  
A277988 15.6409 [  $[-2*(210*x-193)/(2*x-1)/(x-1)]$  ogf ]  
A277988 8.91170 [  $\{a(n+2)-3*a(n+1)+2*a(n), a(0) = 386, a(1) = 738\}$ , ogf ]  
A277988 9.70134 [  $[-(-420*x^2+772*x-369)/(-420*x^3+1016*x^2-789*x+193)]$  lgdogf ]  
A277989 15.7769 [  $[-(498*x-461)/(2*x-1)/(x-1)]$  ogf ]  
A277989 8.98919 [  $\{a(n+2)-3*a(n+1)+2*a(n), a(0) = 461, a(1) = 885\}$ , ogf ]  
A277989 9.54407 [  $[-(-996*x^2+1844*x-885)/(-996*x^3+2416*x^2-1881*x+461)]$  lgdogf ]  
A277990 14.2249 [  $[-12*x*(4*x+5)/(x-1)^3]$  ogf ]  
A277990 17.1279 [  $[-(8*x+19)/(4*x^2+x-5)]$  lgdogf ]  
A277990 7.36199 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 60, a(2) = 228\}$ , ogf ]  
A277991 12.0868 [  $[-18*x*(5*x+4)/(x-1)^3]$  ogf ]  
A277991 14.2624 [  $[-(10*x+17)/(5*x^2-x-4)]$  lgdogf ]  
A277991 6.25544 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 72, a(2) = 306\}$ , ogf ]  
A278000 7.87918 [  $[-x*(2*x^2+2*x-9)/(6*x^4-3*x^3-6*x^2-6*x+1)]$  ogf ]  
A278008 12.4266 [  $[-(-16*x-5)/(-8*x^2-5*x+1)]$  lgdogf ]  
A278008 16.4569 [  $[-6*x/(8*x^2+5*x-1)]$  ogf ]  
A278008 7.51733 [  $\{-a(n+2)+5*a(n+1)+8*a(n), a(0) = 0, a(1) = 6\}$ , ogf ]  
A278015 10.3086 [  $[-2*x*(4*x-3)/(x+1)/(x^3+7*x^2-7*x+1)]$  ogf ]  
A278036 6.19052 [  $[4*(32*x^4+24*x^3-28*x^2+8*x-1)/(8*x-1)/(2*x-1)/(8*x^2-1)/(4*x-1)^2]$  ogf ]  
A278037 5.17647 [  $[(8748*x^4+3159*x^3-1755*x^2+180*x-10)/(3*x-1)/(27*x-1)/(27*x^2-1)/(9*x-1)^2]$  ogf ]  
A278069 3.16154 [  $\{(-9-3*n)*a(n+1)+(12*n^2+53*n+52)*a(n+2)+(4*n^2+33*n+63)*a(n+3)+(n+4)*a(n+4), a(0) = 1, a(1) = 0, a(2) = 3, a(3) = -32\}$ , ogf ]  
A278069 9.02704 [  $[1/2*(2*x-1)/x/(4*x+1)^(1/2)+1/2/(4*x+1)/x]$  lgdegf ]  
A278070 8.76150 [  $[1/2*I/x/(4*x-1)^(1/2)*(-1+2*x)-1/2/(4*x-1)/x]$  lgdegf ]  
A278088 4.71104 [  $\{a(n+5)-a(n+4)-4*a(n+3)-3*a(n+2), a(0) = 0, a(1) = 2, a(2) = 3, a(3) = 10, a(4) = 27\}$ , ogf ]  
A278088 9.35755 [  $[x*(x^3+x^2-x-2)/(3*x^3+4*x^2+x-1)]$  ogf ]  
A278095 6.98089 [  $[-2*x*(x^3-x+1)/(2*x^7-6*x^5-3*x^4-3*x^3-x^2+6*x-1)]$  ogf ]  
A278105 10.4062 [  $[-(-2*x-1)/(x^2+x+3)]$  lgdogf ]

A278105 7.56814 [ $\{-a(n+3), a(0) = 3, a(1) = 1, a(2) = 1\}$ , ogf]  
A278122 11.0439 [ $-(22*x^2+80*x-71)/(22*x^3+7*x^2-49*x+20)$  lgdogf]  
A278122 16.1056 [ $8*(11*x+20)/(2*x-1)/(x-1)$  ogf]  
A278122 8.98919 [ $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 160, a(1) = 568\}$ , ogf]  
A278123 10.2597 [ $-(106*x^2+388*x-344)/(106*x^3+35*x^2-238*x+97)$  lgdogf]  
A278123 15.9130 [ $2*(53*x+97)/(2*x-1)/(x-1)$  ogf]  
A278123 9.06669 [ $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 194, a(1) = 688\}$ , ogf]  
A278124 10.5064 [ $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = -4, a(1) = 168\}$ , ogf]  
A278124 12.6076 [ $-(-90*x^2+4*x+42)/(-90*x^3+137*x^2-48*x+1)$  lgdogf]  
A278124 18.7773 [ $4*(45*x-1)/(2*x-1)/(x-1)$  ogf]  
A278125 12.0500 [ $-(-98*x^2+8*x+43)/(-98*x^3+151*x^2-55*x+2)$  lgdogf]  
A278125 17.5729 [ $5*(49*x-2)/(2*x-1)/(x-1)$  ogf]  
A278125 9.92351 [ $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = -10, a(1) = 215\}$ , ogf]  
A278126 16.8460 [ $-(2*x+24)/(2*x^2+9*x-11)$  lgdogf]  
A278126 17.9213 [ $6*(2*x+11)/(x-1)^2$  ogf]  
A278126 9.90942 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 66, a(1) = 144\}$ , ogf]  
A278127 15.7400 [ $-(28*x+170)/(28*x^2+43*x-71)$  lgdogf]  
A278127 18.0842 [ $(28*x+71)/(x-1)^2$  ogf]  
A278127 9.99951 [ $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 71, a(1) = 170\}$ , ogf]  
A278128 10.9142 [ $-(4*x^2+44*x-35)/(4*x^3+16*x^2-31*x+11)$  lgdogf]  
A278128 15.6891 [ $12*(2*x+11)/(2*x-1)/(x-1)$  ogf]  
A278128 8.75671 [ $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 132, a(1) = 420\}$ , ogf]  
A278129 14.9686 [ $4*(7*x+40)/(2*x-1)/(x-1)$  ogf]  
A278129 8.35457 [ $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 160, a(1) = 508\}$ , ogf]  
A278129 9.70936 [ $-(14*x^2+160*x-127)/(14*x^3+59*x^2-113*x+40)$  lgdogf]  
A278130 11.0896 [ $-(-16*x^2+180*x-127)/(-16*x^3+114*x^2-143*x+45)$  lgdogf]  
A278130 17.3276 [ $-6*(8*x-45)/(2*x-1)/(x-1)$  ogf]  
A278130 9.67120 [ $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 270, a(1) = 762\}$ , ogf]  
A278131 15.2432 [ $-3*(15*x-106)/(2*x-1)/(x-1)$  ogf]  
A278131 8.50786 [ $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 318, a(1) = 909\}$ , ogf]  
A278131 9.62732 [ $-(-30*x^2+424*x-303)/(-30*x^3+257*x^2-333*x+106)$  lgdogf]  
A278137 9.45773 [ $-(x^4+2*x^3+x^2-2*x-1)/(x^2+x-1)/(x^3+x^2-1)$  ogf]  
A278151 10.3257 [ $x*(x+1)*(x-2)/(x^3+x^2+3*x-1)$  ogf]  
A278151 5.08461 [ $\{-a(n+4)+3*a(n+3)+a(n+2)+a(n+1), a(0) = 0, a(1) = 2, a(2) = 7, a(3) = 22\}$ , ogf]  
A278151 8.28604 [ $-(x^4-2*x^3-10*x^2-2*x-7)/(x^5-6*x^2-5*x+2)$  lgdogf]  
A278171 6.65446 [ $x*(x+1)*(x^4-x^2-3*x+2)/(x^6+2*x^5+3*x^4-x^2-3*x+1)$  ogf]  
A278183 5.28338 [ $-x*(4*x^4+x^3+12*x^2-4*x-3)/(16*x^6-14*x^5+26*x^4-15*x^3+4*x^2-8*x+1)$  ogf]  
A278189 4.89559 [ $-x*(2*x-3)*(x^2-x+1)^2/(4*x^7-7*x^6-5*x^5+12*x^4-9*x^3+16*x^2-9*x+1)$  ogf]  
A278203 4.16888 [ $x*(2*x^7-4*x^6-x^5+13*x^4-13*x^3-21*x^2+7*x+15)/(2*x^8-3*x^7+9*x^5-11*x^4-11*x^3-7*x^2-6*x+1)$  ogf]  
A278267 4.21848 [ $-x*(8*x^6-9*x^5+4*x^4-13*x^3+19*x^2-7*x-4)/(32*x^8-74*x^7+76*x^6-70*x^5+65*x^4-37*x^3+14*x^2-10*x+1)$  ogf]  
A278274 10.7495 [ $-x*(x+2)*(x-1)/(2*x^3-x^2-3*x+1)$  ogf]  
A278274 5.29332 [ $\{a(n+4)-3*a(n+3)-a(n+2)+2*a(n+1), a(0) = 0, a(1) = 2, a(2) = 5, a(3) = 16\}$ , ogf]  
A278274 7.85076 [ $-(-2*x^4-4*x^3+10*x^2-2*x-5)/(-2*x^5-x^4+8*x^3-7*x+2)$  lgdogf]  
A278275 4.37509 [ $-x*(x-1)*(2*x^6-2*x^5+9*x^4+5*x^3+21*x^2-5*x-4)/(8*x^7-16*x^6+19*x^5-17*x^3+3*x^2+6*x-1)$  ogf]  
A278281 10.1410 [ $x*(x^2-2)/(x^4-x^3+3*x^2+2*x-1)$  ogf]  
A278310 10.9787 [ $(x^2-38*x-3)/(x-1)/(x^2-34*x+1)$  ogf]  
A278310 5.90450 [ $\{a(n+3)-35*a(n+2)+35*a(n+1)-a(n), a(0) = 3, a(1) = 143, a(2) = 4899\}$ , ogf]  
A278310 6.27354 [ $-(x^4-76*x^3+1286*x^2+212*x-143)/(x^5-73*x^4+1362*x^3-1226*x^2-67*x+3)$  lgdogf]  
A278313 14.7850 [ $-(x^3+3*x^2+2*x+1)/(x-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A278319 3.58294 [ $x*(3*x^7-10*x^6+x^5+41*x^4-73*x^3+52*x^2-16*x+3)/(x-1)^{12}$  ogf]  
A278330 6.12567 [ $-(4*x^6+x^3-1)/(8*x^{12}+16*x^{11}+6*x^9+4*x^8+8*x^7-21*x^6-4*x^5-8*x^4-2*x^3-2*x^2+1)$  ogf]

A278357 5.82358 [ (3\*x^4-8\*x^3+7\*x^2-2\*x+1)/(x-1)^8 ogf]  
A278357 7.32451 [ -(-12\*x^4+28\*x^3-18\*x^2-6)/(-3\*x^5+11\*x^4-15\*x^3+9\*x^2-3\*x+1) lgdogf]  
A278365 3.60733 [ {(3\*n^2+27\*n+60)\*a(n+1)+(-7\*n^2-32\*n+15)\*a(n+2)+(4\*n^2-6\*n+2)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 6}, ogf]  
A278365 3.96807 [ -x^4\*(x-2)\*(2\*x-3)\*(2\*x^2-2\*x-1)/(x-1)^12 ogf]  
A278417 11.7044 [ -(2\*x^3-3\*x^2+6\*x-7)/(x^4-5\*x^3+6\*x^2-5\*x+1) lgdogf]  
A278417 12.6534 [ 2\*x\*(x^2-x+1)/(x^2-4\*x+1)^2 ogf]  
A278417 5.32016 [ {(n^2+5\*n+6)\*a(n+1)+(-4\*n^2-16\*n-12)\*a(n+2)+(n^2+3\*n+2)\*a(n+3), a(0) = 0, a(1) = 2, a(2) = 14}, ogf]  
A278438 10.1239 [ (x^2-106\*x-7)/(x-1)/(x^2-98\*x+1) ogf]  
A278438 5.48380 [ {a(n+3)-99\*a(n+2)+99\*a(n+1)-a(n), a(0) = 7, a(1) = 799, a(2) = 78407}, ogf]  
A278438 5.57675 [ -(x^4-212\*x^3+10374\*x^2+1388\*x-799)/(x^5-205\*x^4+10586\*x^3-9802\*x^2-587\*x+7) lgdogf]  
A278443 5.56610 [ (1100\*x^4-1100\*x^3+100\*x^2-1)/(10\*x-1)/(10\*x+1)/(x-1)/(10\*x^2-1)/(10\*x^2+1) ogf]  
A278444 5.81671 [ (110\*x^4-11\*x^3+x^2-1)/(x-1)/(10\*x-1)/(x+1)/(10\*x^2-1)/(10\*x^2+1) ogf]  
A278445 7.50879 [ (12\*x^4-12\*x^3+4\*x^2-1)/(2\*x-1)/(2\*x+1)/(x-1)/(2\*x^2-1)/(2\*x^2+1) ogf]  
A278446 7.65724 [ (2\*x+1)\*(3\*x^3-3\*x^2+2\*x-1)/(x-1)/(2\*x-1)/(x+1)/(2\*x^2-1)/(2\*x^2+1) ogf]  
A278461 13.5871 [ -(x^3-4\*x^2+x)/(x^2+2\*x-1) revogf]  
A278475 11.6532 [ -(x^2+x-1)/(x-1)/(x^2+29\*x-1) ogf]  
A278475 6.27482 [ {a(n+3)-30\*a(n+2)+28\*a(n+1)+a(n), a(0) = 1, a(1) = 29, a(2) = 841}, ogf]  
A278475 7.19759 [ -(-x^4-2\*x^3-55\*x^2+58\*x-29)/(-x^5-29\*x^4+3\*x^3+57\*x^2-31\*x+1) lgdogf]  
A278476 10.7028 [ -(x^2+x-1)/(x-1)/(x^2+14\*x-1) ogf]  
A278476 5.76305 [ {a(n+3)-15\*a(n+2)+13\*a(n+1)+a(n), a(0) = 1, a(1) = 14, a(2) = 196}, ogf]  
A278476 6.61056 [ -(-x^4-2\*x^3-25\*x^2+28\*x-14)/(-x^5-14\*x^4+3\*x^3+27\*x^2-16\*x+1) lgdogf]  
A278491 6.13413 [ -x\*(3\*x^12+21\*x^11+11\*x^10+64\*x^9+21\*x^8+75\*x^7+122\*x^6+75\*x^5+21\*x^4+64\*x^3+11\*x^2+21\*x+3)/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2/(x-1)^3 ogf]  
A278536 15.9364 [ -(4\*x^5+3\*x^4+x^3+4\*x^2+x+3)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) ogf]  
A278547 3.63034 [ x^2\*(6\*x^5-32\*x^4+66\*x^3-60\*x^2+17\*x+4)/(x-1)^12 ogf]  
A278555 11.1494 [ -(x^4+13\*x^3+13\*x^2+13\*x+13)/(x^5-1) ogf\_with\_Euler\_transform]  
A278576 17.7497 [ -exp(x)+6\*exp(2\*x) lgdegf]  
A278579 7.28758 [ (x^11+x^10+x^9+x^8+2\*x^7+2\*x^6+x^5+3\*x^4+x^3+3\*x^2+2\*x+5)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A278580 7.33591 [ (5\*x^11+2\*x^10+3\*x^9+x^8+3\*x^7+x^6+2\*x^5+2\*x^4+x^3+x^2+x+1)/(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A278612 14.8619 [ -(5\*x^2-4\*x+3)/(4\*x^3-5\*x^2+4\*x-1) ogf]  
A278612 8.02277 [ {a(n+3)-4\*a(n+2)+5\*a(n+1)-4\*a(n), a(0) = 3, a(1) = 8, a(2) = 22}, ogf]  
A278612 8.63403 [ -(-20\*x^4+32\*x^3-36\*x^2+20\*x-8)/(-20\*x^5+41\*x^4-52\*x^3+36\*x^2-16\*x+3) lgdogf]  
A278613 3.26084 [ {a(n+3)-a(n+2)-2\*a(n+1)-6\*a(n), a(0) = 3, a(1) = 8, a(2) = 21}, ogf]  
A278613 6.04057 [ -(7\*x^2+5\*x+3)/(6\*x^3+2\*x^2+x-1) ogf]  
A278614 3.39339 [ {-a(n+3)+3\*a(n+2)+a(n+1)-4\*a(n), a(0) = 3, a(1) = 8, a(2) = 22}, ogf]  
A278614 6.28611 [ -(5\*x^2+x-3)/(4\*x^3-x^2-3\*x+1) ogf]  
A278615 16.7374 [ -(7\*x^2-2\*x-3)/(6\*x^3-4\*x^2-2\*x+1) ogf]  
A278615 9.03522 [ {a(n+3)-2\*a(n+2)-4\*a(n+1)+6\*a(n), a(0) = 3, a(1) = 8, a(2) = 21}, ogf]  
A278615 9.81712 [ -(-42\*x^4+24\*x^3+32\*x^2-10\*x-8)/

$(-42x^5+40x^4+24x^3-23x^2-4x+3)$  lgdogf]  
A278616 3.26084 [  $\{-a(n+3)+a(n+2)+4a(n+1)+a(n), a(0) = 3, a(1) = 8, a(2) = 21\}$ , ogf]  
A278616 6.04057 [  $-(x^2+5x+3)/(x^3+4x^2+x-1)$  ogf]  
A278620 10.7169 [  $-(3x^2-198x+99)/(x^3-99x^2+99x-1)$  lgdogf]  
A278620 17.1969 [  $-x/(x-1)/(x^2-98x+1)$  ogf]  
A278620 6.48656 [  $\{a(n+3)-99a(n+2)+99a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 99\}$ , ogf]  
A278665 5.49519 [  $(1000000x^{10}-1000000x^7+10000x^6+9900x^5-100x^4-99x^3-99x^2+x+1)/(x-1)/(10x-1)/(x+1)/(x^2+1)$  ogf]  
A278666 6.74548 [  $(16x^{10}-2x^7+4x^6-6x^5-4x^4+6x^3+3x^2+2x+1)/(2x-1)/(2x+1)/(x-1)/(4x^2+1)$  ogf]  
A278667 6.86120 [  $(64x^{10}-64x^7+16x^6+12x^5-4x^4-3x^3-3x^2+x+1)/(x-1)/(2x-1)/(x+1)/(x^2+1)$  ogf]  
A278668 12.3617 [  $-(2x^4+3x^3+3x^2+3x+3)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A278670 3.78084 [  $\{(73n^2+959n+2970)a(n+1)+(-149n^2-1327n-1818)a(n+2)+(76n^2+350n+366)a(n+3), a(0) = 1, a(1) = 8, a(2) = 33\}$ , ogf]  
A278670 6.98555 [  $-(x^3-2x^2+x+1)/(x-1)^7$  ogf]  
A278670 9.65109 [  $-(4x^3-7x^2+2x+8)/(x^4-3x^3+3x^2-1)$  lgdogf]  
A278671 3.58592 [  $(x^7-5x^6+8x^5+x^4-19x^3+26x^2-15x+4)/(x-1)^{12}$  ogf]  
A278680 12.5874 [  $-(3x^4+4x^3+4x^2+4x+4)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A278681 12.2708 [  $-(x^3-x^2+2x-3)/(2x^4-2x^3+4x^2-6x+1)$  ogf]  
A278681 6.84673 [  $(-2x^6+4x^5-10x^4+20x^3-17x^2+22x-16)/(-2x^7+4x^6-10x^5+20x^4-21x^3+25x^2-20x+3)$  lgdogf]  
A278682 4.28882 [  $-x^2(2x^8-2x^7-15x^6+75x^4+66x^3+83x^2+24x+7)/(x+1)^4/(x-1)^7$  ogf]  
A278690 16.7882 [  $-(x^2+2x+2)/(x^3-1)$  ogf\_with\_Euler\_transform]  
A278692 11.5545 [  $-(x^3-x^2+2x-4)/(x^4-x^3+2x^2-4x+1)$  ogf]  
A278692 6.09382 [  $\{-a(n+4)+4a(n+3)-2a(n+2)+a(n+1)-a(n), a(0) = 4, a(1) = 14, a(2) = 49, a(3) = 171\}$ , ogf]  
A278706 16.9638 [  $1/(x^6-x^5-x^3-x+1)$  ogf]  
A278706 9.89554 [  $-(6x^5-5x^4-3x^2-1)/(x^6-x^5-x^3-x+1)$  lgdogf]  
A278708 3.97108 [  $\{-a(n+2)+a(n+1)+a(n), a(0) = 154, a(1) = 144\}$ , ogf]  
A278708 7.11485 [  $2*(5x-77)/(x^2+x-1)$  ogf]  
A278710 12.6033 [  $(-2x^2-2x-2)/(-x^4+2x^2-1)$  ogf\_with\_Euler\_transform]  
A278718 9.74304 [  $x(x^3-x^2-1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A278753 7.88930 [  $(1000x^5-1000x^3+100x^2-1)/(x-1)/(10x+1)/(10x-1)/(x+1)/(10x^2-1)$  ogf]  
A278754 8.65745 [  $(100x^5-x^3+x^2-1)/(x-1)/(10x+1)/(10x-1)/(x+1)/(10x^2-1)$  ogf]  
A278755 10.0458 [  $(8x^5-8x^3+4x^2-1)/(x-1)/(2x+1)/(2x-1)/(x+1)/(2x^2-1)$  ogf]  
A278756 10.2599 [  $(4x^5-x^3+x^2-1)/(x-1)/(2x+1)/(2x-1)/(x+1)/(2x^2-1)$  ogf]  
A278757 6.15802 [  $-(10100x^7-1100x^6-9101x^5+1011x^4-1010x^3+90x^2-1)/(x-1)/(10x+1)/(10x-1)/(x+1)$  ogf]  
A278758 6.00012 [  $-(101000x^7-11000x^6-100910x^5+11010x^4-101x^3-9x^2-1)/(x-1)/(10x+1)/(10x-1)/(x+1)$  ogf]  
A278759 7.59916 [  $-(20x^7-12x^6-13x^5+11x^4-10x^3+2x^2-1)/(x-1)/(2x+1)/(2x-1)/(x+1)$  ogf]  
A278760 7.63872 [  $-(40x^7-24x^6-38x^5+26x^4-5x^3-x^2-1)/(x-1)/(2x+1)/(2x-1)/(x+1)$  ogf]  
A278764 8.09665 [  $-(2x^5-x^4+5x^3-4x^2+2x-5)/(x-1)/(x^5+3x^3+2x-1)$  ogf]  
A278767 17.8518 [  $(-3x-1)/(-x^3+3x^2-3x+1)$  ogf\_with\_Euler\_transform]  
A278768 17.0017 [  $(-2x-1)/(-x^3+3x^2-3x+1)$  ogf\_with\_Euler\_transform]  
A278769 18.5057 [  $(-4x-1)/(-x^3+3x^2-3x+1)$  ogf\_with\_Euler\_transform]  
A278772 3.90681 [  $-x(x^6-5x^5+12x^4-14x^3+7x^2-2x+2)/(x-1)^{11}$  ogf]  
A278815 8.62438 [  $-(x^3+x^2+x-1)/(x^6+2x^4-5x^3-2x^2-3x+1)$  ogf]  
A278816 12.2302 [  $(-7x^3+21x^2-14x-2)/(7x^4-14x^3+7x^2-2x+1)$  lgdogf]  
A278816 17.8089 [  $-x*(7x^3-7x^2-1)/(x-1)^2$  ogf]  
A278816 7.99299 [  $\{-a(n+5)+2a(n+4)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 2, a(3) =$

10, a(4) = 11}, ogf]  
A278831 16.6283 [ (18\*x^3+x^2-20)/(x-1) ogf]  
A278831 8.56608 [{a(n+4)-a(n+3), a(0) = 20, a(1) = 20, a(2) = 19, a(3) = 1},  
ogf]  
A278831 9.74761 [ -(-36\*x^3+53\*x^2+2\*x-20)/(18\*x^4-17\*x^3-x^2-20\*x+20) lgdogf]  
A278929 15.5791 [ -1/(x^27+x^8-1) ogf]  
A278929 9.39689 [ -(-27\*x^26-8\*x^7)/(-x^27-x^8+1) lgdogf]  
A278930 7.75055 [ -(3432\*x^5-5198\*x^4+1869\*x^3-124\*x^2+22\*x+2)/(x-1)/(2\*x-1)/  
(4\*x-1) ogf]  
A278969 51.2334 [-6\*x^9-x^8+7 ogf\_with\_Euler\_transform]  
A278971 68.6438 [-7\*x^9-x^8+8 ogf\_with\_Euler\_transform]  
A278988 5.76252 [ -x^2\*(12\*x^7-52\*x^6+97\*x^5-100\*x^4+71\*x^3-34\*x^2+9\*x-1)/  
(3\*x-1)/(2\*x-1)^2/(x-1)^3 ogf]  
A278990 13.5247 [ (-1+(-2\*x+1)^(1/2))/(2\*x-1) lgdegf]  
A278990 3.30180 [ {(n+2)\*a(n+1)+(2\*n^2+8\*n+6)\*a(n+2)+(-2\*n^2-16\*n-30)\*a(n+3)+(n  
+4)\*a(n+4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 5}, ogf]  
A278991 3.74052 [ {(2\*n+4)\*a(n+1)+(4\*n+13)\*a(n+2)+(2\*n+7)\*a(n+3)-a(n+4), a(0) =  
0, a(1) = 1, a(2) = 3, a(3) = 24}, ogf]  
A278991 7.52261 [ (-1/2/(-1+2\*x)^(3/2)\*(4\*x^2+6\*x-1)-1/2\*I)\*(-1+2\*x)^(1/2)/x  
lgdegf]  
A279005 7.45440 [ -(4\*x^8+x^7+x^6+7\*x^5+x^4+x^3+7\*x^2+x+1)/(-x^9+1)  
ogf\_with\_Euler\_transform]  
A279015 7.04163 [ -x^2\*(x^10-3\*x^9+5\*x^8-5\*x^7+3\*x^6-x^5+2\*x^2-2\*x+4)/(x-1)^3  
ogf]  
A279019 18.1738 [ -2\*x^2/(x-1)^3 ogf]  
A279019 29.2079 [ 3/(-x+1) lgdogf]  
A279019 62.5923 [[3] ogf\_with\_Euler\_transform]  
A279019 7.43474 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 0, a(2) = 2},  
ogf]  
A279028 10.0798 [ -(-400\*x^3+202\*x)/(-100\*x^4+101\*x^2-1) lgdogf]  
A279028 15.7342 [ 1/(x-1)/(10\*x+1)/(10\*x-1)/(x+1) ogf]  
A279030 12.8400 [ -(-16\*x^3+10\*x)/(-4\*x^4+5\*x^2-1) lgdogf]  
A279030 20.1275 [ 1/(x-1)/(2\*x+1)/(2\*x-1)/(x+1) ogf]  
A279031 12.6199 [ -(-3\*x^2-3\*x-3)/(-x^4+2\*x^2-1) ogf\_with\_Euler\_transform]  
A279034 6.52144 [ 2\*x\*(x^5+3\*x^4+8\*x^3+6\*x^2+7\*x+1)/(x^2+1)/(x+1)^3/(x-1)^4 ogf]  
A279042 5.61026 [ -81\*(55\*x^2+322\*x+55)/(x-1)/(x^2-322\*x+1)/(x^2+322\*x+1) ogf]  
A279043 12.4902 [ -63/(x-1)/(x^2-194\*x+1) ogf]  
A279043 4.52401 [ {a(n+3)-195\*a(n+2)+195\*a(n+1)-a(n), a(0) = 63, a(1) = 12285,  
a(2) = 2383290}, ogf]  
A279043 7.97985 [ -(3\*x^2-390\*x+195)/(x^3-195\*x^2+195\*x-1) lgdogf]  
A279053 16.2939 [ 1/(10\*x-1)/(10\*x+1)/(x-1) ogf]  
A279053 5.66142 [ {a(n+3)-a(n+2)-100\*a(n+1)+100\*a(n), a(0) = 1, a(1) = 1, a(2) =  
101}, ogf]  
A279053 9.27844 [ -(-300\*x^2+200\*x+1)/(-100\*x^3+100\*x^2+x-1) lgdogf]  
A279093 7.82948 [ (122\*x^5-377\*x^4+272\*x^3+241\*x^2-412\*x+178)/(x-1)^4 ogf]  
A279100 11.0533 [ (x^4+x^3+x^2-x-1)/(x+1)/(x^2+x-1)/(x-1)^2 ogf]  
A279101 11.4918 [ (x^4+x^3+2\*x^2-x-1)/(x+1)/(x^2+2\*x-1)/(x-1)^2 ogf]  
A279111 7.29737 [ -x^2\*(x^4-x^3+3\*x^2+5\*x+4)/(x+1)^3/(x-1)^5 ogf]  
A279112 4.07820 [  
x^2\*(x^9-8\*x^8+x^7+36\*x^6+17\*x^5-102\*x^4-93\*x^3-76\*x^2-14\*x-2)/(x+1)^4/(x-1)^7  
ogf]  
A279118 11.1225 [ (10\*x^2+1)/(x-1)/(10\*x+1)/(10\*x-1)/(x+1) ogf]  
A279118 7.58946 [ -(-2000\*x^5-400\*x^3+222\*x)/(-1000\*x^6+910\*x^4+91\*x^2-1) lgdogf]  
A279128 4.63599 [ (9\*x^8+x^7-22\*x^6-17\*x^5+30\*x^4+9\*x^3-16\*x^2+5\*x-1)/(x-1)^2/  
(x^2+x-1)^3 ogf]  
A279152 6.31112 [ 2\*x^2\*(6\*x^3-x^2+2\*x-2)/(2\*x-1)/(2\*x^3+x-1)^2 ogf]  
A279162 3.55349 [ -(96\*x^9-48\*x^8+44\*x^7-40\*x^6-10\*x^5+20\*x^4-23\*x^3+19\*x^2-7\*x  
+1)/(2\*x-1)^2/(2\*x^3+x-1)^3 ogf]  
A279169 9.39341 [ -x^2\*(x+1)\*(3\*x^2-2\*x+3)/(x^4+x^3+x^2+x+1)/(x-1)^3 ogf]  
A279193 10.5520 [ (10\*x^3-4\*x^2+x+1)/(x-1)/(10\*x^2-1) ogf]  
A279193 5.62772 [ {a(n+4)-a(n+3)-10\*a(n+2)+10\*a(n+1), a(0) = 1, a(1) = 2, a(2) =

8, a(3) = 28}, ogf]  
 A279193 6.84452 [-(60\*x^4+40\*x^3-14\*x^2-12\*x-2)/  
 (100\*x^6-140\*x^5+40\*x^4+14\*x^3-15\*x^2+1) lgdogf]  
 A279204 8.40160 [ -(7200000\*x^9-7398000\*x^8-739980\*x^7-71010\*x^6+123\*x-1234)/  
 (x-1)^2 ogf]  
 A279215 15.6242 [-(x+1)/(-x^4+4\*x^3-6\*x^2+4\*x-1) ogf\_with\_Euler\_transform]  
 A279216 14.4412 [-(2\*x+1)/(-x^4+4\*x^3-6\*x^2+4\*x-1) ogf\_with\_Euler\_transform]  
 A279217 15.1102 [-(3\*x+1)/(-x^4+4\*x^3-6\*x^2+4\*x-1) ogf\_with\_Euler\_transform]  
 A279218 15.5563 [-(4\*x+1)/(-x^4+4\*x^3-6\*x^2+4\*x-1) ogf\_with\_Euler\_transform]  
 A279219 14.9044 [-(5\*x+1)/(-x^4+4\*x^3-6\*x^2+4\*x-1) ogf\_with\_Euler\_transform]  
 A279230 12.4156 [-(8\*x^2+10\*x-4)/(-2\*x^3+4\*x^2-3\*x+1) lgdogf]  
 A279230 16.4696 [ 1/(2\*x^2-2\*x+1)/(x-1)^2 ogf]  
 A279230 4.03506 [ {(n+4)\*a(n+4)+(-13-3\*n)\*a(n+3)+(18+4\*n)\*a(n+2)+(-10-2\*n)\*a(n  
 +1), a(0) = 1, a(1) = 4, a(2) = 9, a(3) = 14}, ogf]  
 A279231 11.5107 [ -(-12\*x^2+15\*x-5)/(-3\*x^3+6\*x^2-4\*x+1) lgdogf]  
 A279231 15.1941 [ 1/(3\*x^2-3\*x+1)/(x-1)^2 ogf]  
 A279231 3.77963 [ {(n+4)\*a(n+4)+(-17-4\*n)\*a(n+3)+(27+6\*n)\*a(n+2)+(-15-3\*n)\*a(n  
 +1), a(0) = 1, a(1) = 5, a(2) = 15, a(3) = 34}, ogf]  
 A279241 4.99980 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1601, a(1) = 1447, a(2)  
 = 1301}, ogf]  
 A279241 8.64251 [ -(1763\*x^2-3356\*x+1601)/(x-1)^3 ogf]  
 A279245 12.0737 [ -(2\*x^3+2\*x^2+2\*x+1)/(4\*x^4+2\*x^2-1) ogf]  
 A279245 7.40369 [ {a(n+4)-2\*a(n+2)-4\*a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) =  
 6}, ogf]  
 A279259 4.06888 [  
 (8\*x^14+10\*x^12-89\*x^11-153\*x^10-1777\*x^9-4173\*x^8-2445\*x^7-9489\*x^6-9563\*x^5-24  
 27\*x^4-4243\*x^3-1735\*x^2-159\*x-53)/(x-1)^5/(x^2+x+1)^5 ogf]  
 A279260 12.7839 [ -(-24\*x^2+12\*x+3)/(-8\*x^3+6\*x^2+3\*x-1) lgdogf]  
 A279260 18.7497 [ 6\*x/(x-1)/(2\*x+1)/(4\*x-1) ogf]  
 A279260 7.53335 [ {-a(n+3)+3\*a(n+2)+6\*a(n+1)-8\*a(n), a(0) = 0, a(1) = 6, a(2) =  
 18}, ogf]  
 A279261 10.4426 [ -(-4\*x^3-7\*x^2-4\*x-3)/(x^4+x^3-x-1) ogf\_with\_Euler\_transform]  
 A279262 7.53025 [ -(-9\*x^4-x^3+8\*x^2+5\*x-5)/(-3\*x^5-x^4+8\*x^3-x^2-5\*x+2) lgdogf]  
 A279262 8.92474 [ 2\*x\*(x+1)\*(3\*x-2)/(x-1)/(x^2+x-1)^2 ogf]  
 A279263 5.63391 [ (2\*x^8-4\*x^7+5\*x^6-8\*x^5+6\*x^3-3\*x^2+2\*x+2)/(x^3+2\*x-1)^2 ogf]  
 A279269 11.7659 [ -(3\*x^2-2\*x+1)/(x-1)/(5\*x^2-8\*x+1) ogf]  
 A279269 6.39899 [ {a(n+3)-9\*a(n+2)+13\*a(n+1)-5\*a(n), a(0) = 1, a(1) = 7, a(2) =  
 53}, ogf]  
 A279269 6.94748 [ -(15\*x^4-20\*x^3+14\*x^2-20\*x+7)/  
 (15\*x^5-49\*x^4+58\*x^3-34\*x^2+11\*x-1) lgdogf]  
 A279270 9.81523 [ -(-4\*x^5-4\*x^4-x^3-4\*x^2-x-4)/(x^6-1) ogf\_with\_Euler\_transform]  
 A279275 3.99054 [ {a(n+3)-1443\*a(n+2)+1443\*a(n+1)-a(n), a(0) = 500, a(1) =  
 721525, a(2) = 1040439075}, ogf]  
 A279275 8.62471 [ -25\*(x+20)/(x-1)/(x^2-1442\*x+1) ogf]  
 A279277 11.8100 [ -(x^2-x-1)/(x^4+3\*x^3-x^2-3\*x+1) ogf]  
 A279277 8.06819 [ -(-2\*x^5+10\*x^3+5\*x^2-4)/(-x^6-2\*x^5+5\*x^4+5\*x^3-5\*x^2-2\*x+1)  
 lgdogf]  
 A279283 8.14525 [ -(-4\*x^4+16\*x^3-24\*x^2+8\*x-8)/(-x^5+5\*x^4-10\*x^3+11\*x^2-6\*x+1)  
 lgdogf]  
 A279284 6.36343 [ -x\*(2\*x+1)\*(x^3-7\*x^2+x-1)\*(x-1)^3/(x^3-x^2+4\*x-1)^3 ogf]  
 A279285 12.5528 [ -x\*(x^2+2\*x-1)/(x^4+6\*x^3+5\*x^2-6\*x+1) ogf]  
 A279285 7.83209 [ -(-2\*x^5-12\*x^4-20\*x^3+2\*x^2+12\*x-4)/(-  
 x^6-8\*x^5-16\*x^4+2\*x^3+16\*x^2-8\*x+1) lgdogf]  
 A279289 7.82595 [ -(x^20-x^19+x^15-x^14+x^10-x^9+x^5+3\*x-5)/(x-1)^2 ogf]  
 A279300 5.27821 [ x\*(x^2+2\*x-1)\*(4\*x^4+4\*x^3+2\*x^2-4\*x+1)/(2\*x^2+2\*x-1)^3 ogf]  
 A279312 5.50734 [ {-a(n+4)+2\*a(n+2)+4\*a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) =  
 8}, ogf]  
 A279312 8.98120 [ -(2\*x+1)\*(2\*x^2+1)/(4\*x^4+2\*x^2-1) ogf]  
 A279313 24.8788 [ x^13-2\*x^6+2 ogf\_with\_Euler\_transform]  
 A279313 7.71475 [ -x\*(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^6-x^5+x^4-x^3+x^2-  
 x+1) ogf]

A279316 19.4516 [x^6-x^3-x^2+2 ogf\_with\_Euler\_transform]  
A279316 9.37149 [-x\*(x+1)\*(x^2+1)\*(x^2+x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1) ogf]  
A279318 8.72586 [(2\*x^6-x^5+5\*x^4-x^3-x^2-x+3)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2 ogf]  
A279319 25.0269 [x^15-2\*x^7+2 ogf\_with\_Euler\_transform]  
A279319 7.16938 [-x\*(x+1)\*(x^4+1)\*(x^2+1)/(x-1)/(x^8+1) ogf]  
A279321 9.62359 [-(x^3+2\*x^2+x+1)\*(x^3+x^2+2\*x+1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1) ogf]  
A279322 8.22765 [-(4\*x^3-12\*x^2+2\*x+2)/(-2\*x^4-6\*x^3-x^2+4\*x-1) lgdogf]  
A279322 9.65855 [-2\*x^2\*(x^2+2\*x-1)/(2\*x^2+2\*x-1)^2 ogf]  
A279328 14.6056 [-(x^3+x^2+2\*x+1)/(x^4-1) ogf\_with\_Euler\_transform]  
A279358 8.66238 [exp(x)\*x^3+6\*exp(x)\*x^2+7\*exp(x)\*x+exp(x) lgdegf]  
A279361 10.0913 [1/2\*exp(x)\*x^2+2\*exp(x)\*x+exp(x) lgdegf]  
A279362 5.53221 [-(2\*x^9+2\*x^8-2\*x^7+2\*x^6-2\*x^5+x^4-2\*x^3+2\*x^2-2\*x+2)/(x^10-1) ogf\_with\_Euler\_transform]  
A279365 5.42534 [-(2\*x^9-4\*x^8-2\*x^7-4\*x^6-2\*x^5-3\*x^4-2\*x^3-4\*x^2-2\*x-4)/(x^10-1) ogf\_with\_Euler\_transform]  
A279378 7.75492 [-(x^2+1)\*(x+1)/(x^5+3\*x^4+2\*x^3+x^2+2\*x-1) ogf]  
A279411 12.3531 [-(4\*x^2-4\*x-4)/(-x^4+2\*x^2-1) ogf\_with\_Euler\_transform]  
A279437 6.90235 [2\*x\*(x^4-x^3-33\*x^2-25\*x-2)/(x-1)^7 ogf]  
A279437 8.64611 [-(3\*x^4-168\*x^2-216\*x-39)/(x^5-2\*x^4-32\*x^3+8\*x^2+23\*x+2) lgdogf]  
A279438 5.03995 [x\*(2\*x^6+57\*x^5-99\*x^4-904\*x^3-654\*x^2-81\*x-1)/(x-1)^9 ogf]  
A279439 3.61741 [-9\*x^2\*(x^7-11\*x^6-165\*x^5+335\*x^4+1755\*x^3+1239\*x^2+201\*x+5)/(x-1)^11 ogf]  
A279447 4.48201 [x\*(x^8+x^7-4\*x^6-55\*x^5-62\*x^4-79\*x^3-30\*x^2-11\*x-1)/(x+1)^4/(x-1)^7 ogf]  
A279460 4.57023 [-2\*x\*(x+1)\*(x^6+x^5+x^4+3\*x^3-2\*x^2+2\*x-1)/(x^5+3\*x^4+2\*x^3+x^2+2\*x-1)^2 ogf]  
A279483 7.53881 [-8\*x^3\*(4\*x^3+11\*x^2+2\*x+1)/(x+1)^4/(x-1)^5 ogf]  
A279483 9.46047 [-(24\*x^4-81\*x^3-39\*x^2-33\*x-3)/(-4\*x^5-11\*x^4+2\*x^3+10\*x^2+2\*x+1) lgdogf]  
A279485 19.1842 [-x^15-1 ogf\_with\_Euler\_transform]  
A279487 13.0813 [-(2\*x^15-2\*x^14+x-2)/(x-1)^2 ogf]  
A279498 6.32455 [-(1000\*x^10-990\*x^6-10\*x^4-100\*x^2-1)/(x-1)/(10\*x+1)/(10\*x-1)/(x+1)/(100\*x^2+1) ogf]  
A279499 6.20292 [-(10000000\*x^10+99000\*x^6-1000\*x^4-x^2-1)/(x-1)/(10\*x+1)/(10\*x-1)/(x+1)/(x^2+1) ogf]  
A279500 8.50544 [-(8\*x^10-6\*x^6-2\*x^4-4\*x^2-1)/(x-1)/(2\*x+1)/(2\*x-1)/(x+1)/(4\*x^2+1) ogf]  
A279501 8.36762 [-(128\*x^10+24\*x^6-8\*x^4-x^2-1)/(x^2+1)/(x-1)/(2\*x+1)/(2\*x-1)/(x+1) ogf]  
A279511 11.6854 [-(28\*x^2-26\*x+5)/(x-1)/(2\*x-1)/(5\*x-1) ogf]  
A279511 6.54788 [{-a(n+3)+8\*a(n+2)-17\*a(n+1)+10\*a(n), a(0) = 5, a(1) = 14, a(2) = 55}, ogf]  
A279511 6.66275 [-(280\*x^4+520\*x^3-368\*x^2+114\*x-14)/(-280\*x^5+736\*x^4-716\*x^3+321\*x^2-66\*x+5) lgdogf]  
A279512 10.5571 [-(34\*x^2-35\*x+6)/(x-1)/(6\*x-1)/(2\*x-1) ogf]  
A279512 5.91561 [{-a(n+3)+9\*a(n+2)-20\*a(n+1)+12\*a(n), a(0) = 6, a(1) = 19, a(2) = 85}, ogf]  
A279523 4.25709 [-2\*x\*(x-1)\*(4\*x^3-11\*x^2+x+2)/(4\*x^4-11\*x^3+6\*x-1)^2 ogf]  
A279538 9.29735 [-(3403\*x^3-9053\*x^2+8049\*x-2393)/(x-1)^4 ogf]  
A279539 6.78218 [x\*(x^35+x^34-x^27-x^22-x^21-x^19-x^6-x-1)/(x^34-x^21-1)/(x-1)^2 ogf]  
A279557 4.32437 [{(4\*n^2+18\*n+20)\*a(n+1)+(-5\*n^2-24\*n-25)\*a(n+2)+(n^2+6\*n+5)\*a(n+3), a(0) = 1, a(1) = 1, a(2) = 2}, ogf]  
A279561 4.14757 [{(4\*n^2+14\*n+12)\*a(n+1)+(-5\*n^2-18\*n-15)\*a(n+2)+(n^2+4\*n+3)\*a(n+3), a(0) = 1, a(1) = 1, a(2) = 2}, ogf]  
A279561 7.85391 [(-1/(4\*x-1)^(1/2))/(x-1)\*(2\*x^2+2\*x-1)-I)/(4\*x-1)^(1/2)/x lgdogf]



A279574 8.68761 [  $-4*x*(6*x-1)/(4*x^2-8*x+1)^2$  ogf]  
A279574 8.68761 [  $-(-72*x^2+64*x-10)/(-24*x^3+52*x^2-14*x+1)$  lgdogf]  
A279575 3.70953 [  $2*(64*x^4-176*x^3+144*x^2-22*x+1)*(2*x-1)^2/(16*x^3-36*x^2+22*x-1)^2$  ogf]  
A279581 3.91109 [  $-4*x*(x-1)*(x^2-3*x+1)*(4*x^2+x+1)/(4*x^4-11*x^3+6*x-1)^2$  ogf]  
A279592 7.37383 [  $(x^6+x^5+x^4+x^3+x^2+x+1)*(x-1)^2/(x^7+x^6+2*x^5+x^4+2*x^3+x^2+2*x+1)$  ogf]  
A279619 3.33261 [  $\{(-27*n^2-81*n-60)*a(n+1)+(-26*n^2-117*n-132)*a(n+2)+(n^2+6*n+9)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 22\}$ , ogf]  
A279634 11.6368 [  $-(4*x^2+5*x+3)/(-2*x^3-x^2+2*x+1)$  lgdogf]  
A279634 14.0520 [  $(x+1)*(x-1)^2/(2*x+1)$  ogf]  
A279634 7.75789 [  $\{-a(n+4)-2*a(n+3), a(0) = 1, a(1) = -3, a(2) = 5, a(3) = -9\}$ , ogf]  
A279637 6.85938 [  $\exp(x)*x^4+10*\exp(x)*x^3+25*\exp(x)*x^2+15*\exp(x)*x+\exp(x)$  lgdegf]  
A279640 6.83475 [  $\exp(x)*(x^7+28*x^6+266*x^5+1050*x^4+1701*x^3+966*x^2+127*x+1)$  lgdegf]  
A279651 4.48266 [  $(32*x^6-192*x^5+264*x^4-436*x^3+156*x^2-21*x+1)/(4*x^2-8*x+1)^3$  ogf]  
A279662 6.37436 [  $\{(-4*n^3-27*n^2-59*n-42)*a(n+1)+6*a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A279663 6.60757 [  $\{(-5*n^3-33*n^2-70*n-48)*a(n+1)+6*a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]  
A279673 12.6664 [  $-(4*x^2+x+1)/(4*x^3-x^2+2*x-1)$  ogf]  
A279673 6.89864 [  $\{-a(n+3)+2*a(n+2)-a(n+1)+4*a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A279673 8.49064 [  $-(16*x^4+8*x^3+3*x^2+6*x+3)/(16*x^5+11*x^3-3*x^2+x-1)$  lgdogf]  
A279674 15.2362 [  $-(x+1)/(4*x^3-x^2+2*x-1)$  ogf]  
A279674 7.20997 [  $\{a(n+3)-2*a(n+2)+a(n+1)-4*a(n), a(0) = 1, a(1) = 3, a(2) = 5\}$ , ogf]  
A279674 9.96935 [  $-(8*x^3+11*x^2-2*x+3)/(4*x^4+3*x^3+x^2+x-1)$  lgdogf]  
A279675 12.0235 [  $(x^2+x+1)*(x-1)^2/(2*x^2+x+1)$  ogf]  
A279675 5.86747 [  $\{a(n+5)+a(n+4)+2*a(n+3), a(0) = 1, a(1) = -2, a(2) = 0, a(3) = 3, a(4) = -2\}$ , ogf]  
A279675 7.63994 [  $-(4*x^4+5*x^3+7*x^2+6*x+2)/(-2*x^5-x^4-x^3+2*x^2+x+1)$  lgdogf]  
A279676 11.9483 [  $(x^2+x+1)*(x-1)^2/(2*x^2+2*x+1)$  ogf]  
A279676 5.78449 [  $\{a(n+5)+2*a(n+4)+2*a(n+3), a(0) = 1, a(1) = -3, a(2) = 4, a(3) = -3, a(4) = -1\}$ , ogf]  
A279676 7.59215 [  $-(-4*x^4-8*x^3-8*x^2-7*x-3)/(2*x^5+2*x^4+x^3-2*x^2-2*x-1)$  lgdogf]  
A279677 10.5373 [  $(x^2+1)*(x+1)*(x-1)^2/(2*x^3+x^2+x+1)$  ogf]  
A279677 4.66072 [  $\{-a(n+4)-a(n+3)-a(n+2)-2*a(n+1), a(0) = 1, a(1) = -2, a(2) = 1, a(3) = -1, a(4) = 3, a(5) = -3\}$ , ogf]  
A279678 10.7783 [  $(x^2+1)*(x+1)*(x-1)^2/(2*x^3+2*x^2+2*x+1)$  ogf]  
A279678 4.76733 [  $\{-a(n+4)-2*a(n+3)-2*a(n+2)-2*a(n+1), a(0) = 1, a(1) = -3, a(2) = 4, a(3) = -4, a(4) = 5, a(5) = -9\}$ , ogf]  
A279682 8.48060 [  $-(6*x^3-x^2-1)/(x+1)/(2*x-1)/(4*x^3-x^2+2*x-1)$  ogf]  
A279683 3.47732 [  $\{(2*n+4)*a(n+1)+(-5*n-13)*a(n+2)+(4*n+13)*a(n+3)+(-n-4)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 1/2, a(3) = 3/2\}$ , egf]  
A279684 8.68144 [  $-(4*x^4-2*x^3+3*x^2-1)/(x+1)/(2*x-1)/(4*x^3-x^2+2*x-1)$  ogf]  
A279685 5.82405 [  $-(4*x^9+7*x^8-4*x^7-4*x^6+2*x^5-6*x^4+5*x^3-3*x^2+2*x-1)/(x-1)/(4*x^3-x^2+2*x-1)$  ogf]  
A279704 10.3156 [  $-(x-1)^2/(2*x^3-5*x^2+5*x-1)$  ogf]  
A279704 5.56862 [  $\{a(n+3)-5*a(n+2)+5*a(n+1)-2*a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]  
A279704 7.76857 [  $-(-2*x^3+6*x^2-5*x+3)/(-2*x^4+7*x^3-10*x^2+6*x-1)$  lgdogf]  
A279705 3.56750 [  $(x^8-11*x^7+40*x^6-82*x^5+105*x^4-85*x^3+48*x^2-16*x+2)/(x^8-9*x^7+32*x^6-64*x^5+78*x^4-61*x^3+33*x^2-10*x+1)$  ogf]  
A279710 6.04658 [  $-(5*x^6+8*x^4-3*x^3-4*x^2+7*x-4)/(x-1)/(x+1)/(x^3+x^2-x+1)/(x^3+2*x-1)$  ogf]  
A279735 10.1372 [  $-2*x*(2*x-1)/(x^2-3*x+1)^2$  ogf]

A279735 10.2932 [  $[-(-6x^2+10x-4)/(-2x^3+7x^2-5x+1) \text{ lgdogf}]$   
A279735 3.37907 [  $\{(-3-n)a(n+4)+(14+5n)a(n+3)+(-17-7n)a(n+2)+(6+2n)a(n+1),$   
 $a(0) = 0, a(1) = 2, a(2) = 8, a(3) = 26\}, \text{ ogf}]$   
A279736 5.01184 [  $(2x-1)(x-1)(4x^4-13x^3+17x^2-8x+2)/$   
 $(2x^3-5x^2+5x-1)^2 \text{ ogf}]$   
A279742 9.08589 [  $2x(2x^3+x^2-1)/(x-1)/(x^2+x-1)^2 \text{ ogf}]$   
A279758 11.0590 [  $(x^{48}+x^{36}+x^{24}+x^{12}+2)/(x-1)/(2x^{48}+x^{12}-2) \text{ ogf}]$   
A279760 18.7370 [  $1/(x+1)/(x^2+1)/(x^2+x+1)/(x^6+x^3+1)/(x^{18}+x^9+1)/(x^4+1)/$   
 $(x-1)^2 \text{ ogf}]$   
A279761 14.6667 [  $[-(x^2+2x+1)/(-x^4+4x^3-6x^2+4x-1) \text{ ogf\_with\_Euler\_transform}]$   
A279762 14.3964 [  $[-(6x^2+8x+1)/(-x^4+4x^3-6x^2+4x-1)$   
 $\text{ ogf\_with\_Euler\_transform}]$   
A279763 13.2762 [  $[-(10x^2+16x+1)/(-x^4+4x^3-6x^2+4x-1)$   
 $\text{ ogf\_with\_Euler\_transform}]$   
A279766 8.05715 [  $x(2x^{10}+x^9+1)/(x+1)/(x^2+1)/(x^8-x^6+x^4-x^2+1)/(x-1)^2$   
 $\text{ ogf}]$   
A279778 9.24660 [  $(x^4+x^3+x^2+x+1)(x-1)^2/(2x^4+x^3+x^2+x+1) \text{ ogf}]$   
A279779 9.40148 [  $(x^4+x^3+x^2+x+1)(x-1)^2/(2x^4+x^3+2x^2+x+1) \text{ ogf}]$   
A279780 9.41936 [  $(x^4+x^3+x^2+x+1)(x-1)^2/(x+1)/(2x^3+x+1) \text{ ogf}]$   
A279781 9.64025 [  $(x^4+x^3+x^2+x+1)(x-1)^2/(2x^4+2x^3+2x^2+2x+1) \text{ ogf}]$   
A279840 55.6592 [  $\exp(x^2) \text{ lgdegf}]$   
A279851 6.83641 [  $[-(-30x^4+7x^3+19x^2+x-5)/(-10x^5+3x^4+15x^3-5x^2-5x+2)$   
 $\text{ lgdogf}]$   
A279851 9.23839 [  $2x(5x^2+x-2)/(x-1)/(x+1)^2/(2x-1)^2 \text{ ogf}]$   
A279852 5.40027 [  $(16x^8+12x^6-36x^5+x^4-8x^3+13x^2+2x+2)/$   
 $(2x^3+x^2+2x-1)^2 \text{ ogf}]$   
A279865 11.4842 [  $[-(-6x^2+12x)/(-2x^3+x^2+2x-1) \text{ lgdogf}]$   
A279865 3.59248 [  $\{(n+3)a(n+4)+(-4-2n)a(n+3)+(-13-n)a(n+2)+(6+2n)a(n+1),$   
 $a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 6\}, \text{ ogf}]$   
A279865 7.07610 [  $x(x-1)^3/(x+1)^3/(2x-1)^3 \text{ ogf}]$   
A279866 4.48272 [  $(80x^8+44x^7-94x^6-92x^5+56x^4+39x^3-17x^2+x-1)/$   
 $(x-1)^2/(x+1)^3/(2x-1)^3 \text{ ogf}]$   
A279872 13.2582 [  $(2x^2+1)/(x-1)/(2x+1)/(2x-1)/(x+1) \text{ ogf}]$   
A279872 9.36909 [  $[-(-16x^5-16x^3+14x)/(-8x^6+6x^4+3x^2-1) \text{ lgdogf}]$   
A279875 5.46096 [  $(16x^{14}-16x^{12}-$   
 $x^{10}+2x^9-3x^8+6x^7+4x^6-5x^4+6x^3+4x^2+x+1)/(x-1)/(2x+1)/(2x-1)/(x+1)/$   
 $(4x^2+1) \text{ ogf}]$   
A279876 5.12712 [  $(1024x^{14}-256x^{12}-1024x^{10}+256x^9+192x^8-48x^7+16x^6-20x^4+6x^3+x^2+2x$   
 $+1)/(x^2+1)/(x-1)/(2x+1)/(2x-1)/(x+1) \text{ ogf}]$   
A279877 6.32458 [  $-(1000x^8-1110x^6+111x^4-10x^3-101x^2+10x+1)/(x-1)/(10x$   
 $+1)/(10x-1)/(x+1)/(10x^2-1) \text{ ogf}]$   
A279878 5.99057 [  $-(100000x^8-111000x^6+11100x^4-100x^3-101x^2+x+1)/(x-1)/$   
 $(10x+1)/(10x-1)/(x+1)/(10x^2-1) \text{ ogf}]$   
A279879 7.98779 [  $-(8x^8-14x^6+7x^4-2x^3-5x^2+2x+1)/(x-1)/(2x+1)/(2x-1)/$   
 $(x+1)/(2x^2-1) \text{ ogf}]$   
A279880 7.82961 [  $-(32x^8-56x^6+28x^4-4x^3-5x^2+x+1)/(x-1)/(2x+1)/(2x-1)/$   
 $(x+1)/(2x^2-1) \text{ ogf}]$   
A279890 13.2821 [  $-x(x^4-2x^3+x-1)/(x-1)/(x+1)/(x^2-x+1)/(x^2+x-1) \text{ ogf}]$   
A279895 15.8653 [  $x(3x-8)/(x-1)^3 \text{ ogf}]$   
A279895 18.0864 [  $[-(-6x+21)/(-3x^2+11x-8) \text{ lgdogf}]$   
A279895 8.07429 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 8, a(2) = 21\},$   
 $\text{ ogf}]$   
A279896 7.88360 [  $2x(2x^2-1)(2x^3+4x^2+x-2)/(x+1)^2/(2x-1)^2 \text{ ogf}]$   
A279897 6.63568 [  $(12x^6+8x^5+8x^4-8x^3-9x^2+2x+2)/(x+1)^2/(2x-1)^2 \text{ ogf}]$   
A279905 4.41854 [  $\{(n^2+3n)a(n)+(-4+2n)a(n+1)+(-n^2+3n-2)a(n+2), a(0) = 0,$   
 $a(1) = 0, a(2) = 0, a(3) = 16, a(4) = 72\}, \text{ ogf}]$   
A279905 7.52002 [  $-8x^3(5x^2+5x+2)/(x+1)^3/(x-1)^5 \text{ ogf}]$   
A279905 9.42267 [  $[-(30x^3+45x^2+36x+9)/(5x^4+5x^3-3x^2-5x-2) \text{ lgdogf}]$   
A279918 8.90517 [  $[-(-4x^5-x^4-x^3-5x-1)/(x^6-x^4+x^2-1)$   
 $\text{ ogf\_with\_Euler\_transform}]$

A279932 13.4301 [  $-( -5x^2 - 5x - 5 ) / ( -x^4 + 2x^2 - 1 )$  ogf\_with\_Euler\_transform ]  
A279946 5.41985 [  $-( x^4 + 10395x^3 + 64258x^2 + 10395x + 1 ) / ( x - 1 ) / ( x^2 + 502x + 1 ) / ( x^2 - 502x + 1 )$  ogf ]  
A279947 4.06410 [  $-( -2x^9 + x^8 + x^7 - 3x^6 - x^5 + 2x^4 - x^3 - 3x^2 + 3x - 1 ) / ( x^{10} - x^9 + x^8 - x^2 + x - 1 )$  ogf\_with\_Euler\_transform ]  
A279955 8.02278 [  $-( 4x^7 + 2x^6 + 2x^5 + 2x^4 + 8x^3 + 2x^2 + 2x + 2 ) / ( -x^8 + 1 )$  ogf\_with\_Euler\_transform ]  
A279959 6.74432 [  $-( 10100x^6 - 1000x^5 + 799x^4 - 90x^3 + 91x^2 - 10x - 1 ) / ( x - 1 ) / ( 10x + 1 ) / ( 10x - 1 ) / ( x + 1 )$  ogf ]  
A279960 6.81392 [  $-( 10100x^6 - 100x^5 - 10190x^4 + 90x^3 + 91x^2 - x - 1 ) / ( x - 1 ) / ( 10x + 1 ) / ( 10x - 1 ) / ( x + 1 )$  ogf ]  
A279961 9.15226 [  $-( 20x^6 - 8x^5 - x^4 - 2x^3 + 3x^2 - 2x - 1 ) / ( x - 1 ) / ( 2x + 1 ) / ( 2x - 1 ) / ( x + 1 )$  ogf ]  
A279962 8.68027 [  $-( 20x^6 - 4x^5 - 22x^4 + 2x^3 + 3x^2 - x - 1 ) / ( x - 1 ) / ( 2x + 1 ) / ( 2x - 1 ) / ( x + 1 )$  ogf ]  
A279971 6.29899 [  $-( 2x - 1 ) * ( 3x^3 + 4x^2 - 4x + 1 ) / ( x^2 - 3x + 1 )^3$  ogf ]  
A279972 3.27094 [  $- x * ( 16x^8 - 124x^7 + 438x^6 - 888x^5 + 1096x^4 - 819x^3 + 356x^2 - 85x + 9 ) / ( 2x^3 - 5x^2 + 5x - 1 )^3$  ogf ]  
A279978 4.74504 [  $x * ( 5x^8 - 2x^7 - 12x^6 - 5x^5 + 20x^4 - 11x^3 + 6x - 3 ) / ( x - 1 )^2 / ( x^2 + x - 1 )^3$  ogf ]  
A280014 14.4937 [  $2 * ( x + 2 ) * ( x^3 + x^2 + 3 ) / ( x^2 + 1 ) / ( x + 1 ) / ( x - 1 )^2$  ogf ]  
A280056 4.49039 [  $\{ ( n^3 + 3n^2 + 2n ) * a(n) + ( 2n^2 - 2n - 4 ) * a(n+1) + ( -n^3 + 3n^2 - 2n ) * a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 8, a(4) = 48 \}$ , ogf ]  
A280056 7.85818 [  $-8x^3 * ( 3x + 1 ) * ( x^2 + x + 1 ) / ( x + 1 )^3 / ( x - 1 )^5$  ogf ]  
A280056 8.80116 [  $-( 15x^4 + 30x^3 + 45x^2 + 24x + 6 ) / ( 3x^5 + 4x^4 + x^3 - 3x^2 - 4x - 1 )$  lgdogf ]  
A280057 12.4472 [  $-x^9 + 2x^5 + x^4 - x^3 - 2x^2 + 2x - 1$  ogf\_with\_Euler\_transform ]  
A280057 8.00466 [  $( x^2 + 1 ) * ( x^4 - x^3 + x^2 - x + 1 ) / ( x + 1 )^2 / ( x^2 - x + 1 )^2$  ogf ]  
A280058 14.6480 [  $12x^3 / ( x - 1 )^4$  ogf ]  
A280058 28.2496 [  $4 / ( -x + 1 )$  lgdogf ]  
A280058 6.27770 [  $\{ ( -1 + n ) * a(n+2) + ( -2 - n ) * a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 12 \}$ , ogf ]  
A280058 60.4408 [ [4] ogf\_with\_Euler\_transform ]  
A280059 7.56161 [  $-( 3x^3 + 111x^2 + 225x + 45 ) / ( 3x^4 + 48x^3 - 10x^2 - 40x - 1 )$  lgdogf ]  
A280059 8.42306 [  $( 3x^3 + 51x^2 + 41x + 1 ) / ( x - 1 )^4$  ogf ]  
A280064 4.89195 [  $-( x + 1 ) * ( x^7 + x^6 - 2x^5 + 8x^4 - 4x^3 + 2x - 1 ) / ( x^2 - x + 1 ) / ( x^5 + 3x^4 + 4x^3 - 4x^2 - 2x + 1 )$  ogf ]  
A280070 11.4039 [  $-( x^2 - 8x + 1 ) / ( x - 1 ) / ( x^2 - 18x + 1 )$  ogf ]  
A280070 6.14054 [  $\{ -a(n+3) + 19a(n+2) - 19a(n+1) + a(n), a(0) = 1, a(1) = 11, a(2) = 191 \}$ , ogf ]  
A280070 6.71442 [  $-( -x^4 + 16x^3 - 136x^2 + 36x - 11 ) / ( -x^5 + 27x^4 - 172x^3 + 172x^2 - 27x + 1 )$  lgdogf ]  
A280071 10.3227 [  $-( x^2 - 9x + 1 ) / ( x - 1 ) / ( x^2 - 20x + 1 )$  ogf ]  
A280071 5.55840 [  $\{ -a(n+3) + 21a(n+2) - 21a(n+1) + a(n), a(0) = 1, a(1) = 12, a(2) = 232 \}$ , ogf ]  
A280071 6.07788 [  $-( -x^4 + 18x^3 - 171x^2 + 40x - 12 ) / ( -x^5 + 30x^4 - 211x^3 + 211x^2 - 30x + 1 )$  lgdogf ]  
A280072 11.6131 [  $( 10x - 1 ) / ( x - 1 ) / ( x^2 - 20x + 1 )$  ogf ]  
A280072 5.55840 [  $\{ a(n+3) - 21a(n+2) + 21a(n+1) - a(n), a(0) = 1, a(1) = 11, a(2) = 210 \}$ , ogf ]  
A280072 7.14652 [  $-( 20x^3 - 213x^2 + 42x - 11 ) / ( 10x^4 - 211x^3 + 231x^2 - 31x + 1 )$  lgdogf ]  
A280089 11.5140 [  $( 25x^2 - 2x + 1 ) / ( x - 1 )^4$  ogf ]  
A280089 11.8527 [  $-( -50x^2 - 44x - 2 ) / ( -25x^3 + 27x^2 - 3x + 1 )$  lgdogf ]  
A280089 3.95090 [  $\{ ( n + 4 ) * a(n+4) + ( -11 - 3n ) * a(n+3) + ( 10 + 27n ) * a(n+2) + ( -75 - 25n ) * a(n+1), a(0) = 1, a(1) = 2, a(2) = 27, a(3) = 100 \}$ , ogf ]  
A280111 10.8902 [  $( 2x^2 - 19x - 1 ) / ( x - 1 ) / ( x^2 - 38x + 1 )$  ogf ]  
A280111 5.90653 [  $\{ -a(n+3) + 39a(n+2) - 39a(n+1) + a(n), a(0) = 1, a(1) = 58, a(2) = 2221 \}$ , ogf ]  
A280111 6.51374 [  $-( 2x^4 - 38x^3 + 660x^2 + 82x - 58 ) /$

$(2*x^5-97*x^4+818*x^3-704*x^2-20*x+1)$  lgdogf]  
A280112 10.5803 [  $-(x^2-20*x+1)/(x-1)/(x^2-38*x+1)$  ogf]  
A280112 5.78750 [  $\{-a(n+3)+39*a(n+2)-39*a(n+1)+a(n), a(0) = 1, a(1) = 19, a(2) = 703\}$ , ogf]  
A280112 6.32838 [  $(-(-x^4+40*x^3-744*x^2+76*x-19)/(-x^5+59*x^4-820*x^3+820*x^2-59*x+1)$  lgdogf]  
A280113 4.51980 [  $\{a(n+3)-1443*a(n+2)+1443*a(n+1)-a(n), a(0) = 1, a(1) = 1711, a(2) = 2467531\}$ , ogf]  
A280113 8.31904 [  $-(x^2+268*x+1)/(x-1)/(x^2-1442*x+1)$  ogf]  
A280118 6.20912 [  $4*x*(8*x^6+8*x^5-2*x^4-8*x^3-4*x^2+1)/(4*x^3+4*x^2+x-1)^2$  ogf]  
A280135 5.70820 [  $(x^{20}-x^{19}+2*x^{18}-2*x^{17}+2*x^{16}-x^{15}-x^{14}+14*x^{13}-11*x^{12}-x^{11}-x^{10}+291*x^9-277*x^8-15*x^7+2*x-4)/(x-1)$  ogf]  
A280154 10.7700 [  $\{-a(n+2)+a(n+1)+a(n), a(0) = 10, a(1) = 5\}$ , ogf]  
A280154 13.9673 [  $(-(-x^2+4*x+1)/(-x^3+x^2+3*x-2)$  lgdogf]  
A280154 19.4328 [  $5*(x-2)/(x^2+x-1)$  ogf]  
A280155 6.06301 [  $2*x*(x^6+2*x^5-x^4-6*x^3-5*x^2+2)/(x^3+2*x^2+x-1)^2$  ogf]  
A280166 17.5292 [  $-x^5-x^3+x^2+4*x-1$  ogf\_with\_Euler\_transform]  
A280166 9.88664 [  $(x^2+1)*(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A280167 21.4998 [  $-x^9+x^4+3*x-1$  ogf\_with\_Euler\_transform]  
A280167 8.90519 [  $(-(-x^4+6*x^3-6*x^2+6*x-1)/(x^6-x^5+x-1)$  lgdogf]  
A280167 9.75911 [  $(x^4-x^3+x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A280173 13.0116 [  $(-5*x^2-5*x-1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A280173 7.02396 [  $\{-a(n+3)+2*a(n+2)+a(n+1)-2*a(n), a(0) = 1, a(1) = 7, a(2) = 10\}$ , ogf]  
A280173 7.85850 [  $(-(-10*x^4+20*x^3-9*x^2+8*x-7)/(-10*x^5+15*x^4+7*x^3-16*x^2+3*x+1)$  lgdogf]  
A280174 3.41518 [  $(x^{13}+3*x^{12}-5*x^{11}-43*x^{10}-69*x^9-6*x^8+85*x^7+59*x^6-24*x^5-35*x^4+4*x^3+4*x^2-2*x+1)/(x-1)/(x^3+2*x^2+x-1)^3$  ogf]  
A280181 10.2704 [  $(-x^2-18*x+1)/(x-1)/(x^2-34*x+1)$  ogf]  
A280181 5.61799 [  $\{-a(n+3)+35*a(n+2)-35*a(n+1)+a(n), a(0) = 1, a(1) = 17, a(2) = 561\}$ , ogf]  
A280181 6.14304 [  $(-(-x^4+36*x^3-598*x^2+68*x-17)/(-x^5+53*x^4-666*x^3+666*x^2-53*x+1)$  lgdogf]  
A280186 11.7361 [  $2*x^4/(x+1)^2/(x-1)^4$  ogf]  
A280186 18.4043 [  $(-(-6*x-2)/(-x^2+1)$  lgdogf]  
A280186 38.3622 [  $[2+2*x]$  ogf\_with\_Euler\_transform]  
A280186 5.25836 [  $\{(n+3)*a(n+1)+2*a(n+2)+(-n+1)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 2\}$ , ogf]  
A280193 10.3215 [  $(-x^2-4*x+1)/(-x^4+x^3-x+1)$  lgdogf]  
A280193 13.4811 [  $(-x^2-x+1)/(x-1)/(x+1)$  ogf]  
A280193 19.9552 [  $-x^5+x^2+2*x-1$  ogf\_with\_Euler\_transform]  
A280193 7.86400 [  $\{a(n+3)-a(n+1), a(0) = 1, a(1) = -1, a(2) = 2\}$ , ogf]  
A280227 8.41524 [  $2*x*(x-1)*(x+1)*(x^3+2*x^2+x-2)/(x^2+x-1)^2$  ogf]  
A280228 7.08763 [  $(3*x^6+2*x^5+2*x^4-4*x^3-5*x^2+2*x+2)/(x^2+x-1)^2$  ogf]  
A280237 13.6493 [  $-x^9+x^7+x^4-x^2+x$  ogf\_with\_Euler\_transform]  
A280237 8.92586 [  $-x*(x^2+x+1)*(x^4-x^3+x^2-x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A280261 10.3870 [  $-x*(x^2+x-1)/(x^4-x^2+1)$  ogf]  
A280279 3.85528 [  $\{(-2*n-6)*a(n+1)+(-2*n-4)*a(n+2)+(n+1)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2, a(4) = 8\}$ , ogf]  
A280279 8.18652 [  $(-(-4*x-2)/(-4*x^6-12*x^5-6*x^4+8*x^3+2*x^2-4*x+1)$  lgdogf]  
A280279 8.61179 [  $x^2*(2*x^4+4*x^3-2*x+1)/(2*x^2+2*x-1)^2$  ogf]  
A280293 12.9493 [  $(x^2-5*x+3)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A280293 7.05272 [  $\{-a(n+3)+2*a(n+2)+a(n+1)-2*a(n), a(0) = 3, a(1) = 1, a(2) = 6\}$ , ogf]  
A280293 7.89905 [  $(-(-2*x^4+20*x^3-25*x^2+8*x+1)/(-2*x^5+11*x^4-9*x^3-8*x^2+11*x-3)$  lgdogf]  
A280304 15.8845 [  $6*x*(x^2-2*x+4)/(x-1)^4$  ogf]  
A280304 18.3283 [  $(-(-2*x^2+4*x-14)/(-x^3+3*x^2-6*x+4)$  lgdogf]  
A280304 5.92706 [  $\{(12+4*n)*a(n+4)+(-26-6*n)*a(n+3)+(7+3*n)*a(n+2)+(-2-n)*a(n+1),$

$a(0) = 0, a(1) = 24, a(2) = 84, a(3) = 198$ , ogf]  
A280308 10.1220  $[-(-2*x^4+2*x^3+12*x^2+2*x+4)/(-2*x^5-x^4+2*x^3+6*x^2+2*x-3)$   
lgdogf]  
A280308 16.0956  $[(x+1)*(2*x-3)/(x^3+x^2+x-1)$  ogf]  
A280308 8.76638  $[-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 3, a(1) = 4, a(2) = 5]$ ,  
ogf]  
A280309 5.08871  $[x^3*(4*x^6+12*x^5+6*x^4-8*x^3-3*x^2+4*x-1)/(2*x^2+2*x-1)^3$   
ogf]  
A280321 12.1019  $[(3*x^4-9*x^3+8*x^2-9*x-1)/(x-1)^3$  ogf]  
A280321 9.13573  $[-(3*x^4-12*x^3+19*x^2+2*x+12)/$   
 $(-3*x^5+12*x^4-17*x^3+17*x^2-8*x-1)$  lgdogf]  
A280328 7.94822  $[-(-4*x^4+x^3-5*x^2-x-3)/(x^5-x^4+x^3-x^2+x-1)$   
ogf\_with\_Euler\_transform]  
A280339 8.02278  $[-(4*x^7-2*x^6+4*x^5-2*x^4+8*x^3-2*x^2+4*x-2)/(-x^8+1)$   
ogf\_with\_Euler\_transform]  
A280344 14.0593  $[-2*x*(x^2-3*x+6)/(x-1)^3$  ogf]  
A280344 14.2756  $[-(-x^2+4*x-15)/(-x^3+4*x^2-9*x+6)$  lgdogf]  
A280344 6.92472  $[{a(n+4)-3*a(n+3)+3*a(n+2)-a(n+1), a(0) = 0, a(1) = 12, a(2) =$   
 $30, a(3) = 56}$ , ogf]  
A280345 13.0116  $[-(5*x^2-x-3)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A280345 7.02396  $[{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 3, a(1) = 7, a(2) = 12}]$ ,  
ogf]  
A280345 7.93708  $[-(10*x^4-4*x^3-7*x^2-4*x+7)/(10*x^5-7*x^4-15*x^3+10*x^2+5*x-3)$   
lgdogf]  
A280364 8.35957  $[-(3*x^5-3*x^4+80*x^2+77*x+35)/$   
 $(3*x^6-3*x^5-6*x^4+26*x^3+15*x^2-23*x-12)$  lgdogf]  
A280364 9.37285  $[-x*(3*x^4-3*x^3-3*x^2+23*x+12)/(x+1)^2/(x-1)^3$  ogf]  
A280367 8.05952  $[(10100*x^5-1000*x^4+899*x^3-90*x^2+x+1)/(x-1)/(10*x+1)/$   
 $(10*x-1)/(x+1)$  ogf]  
A280368 7.46399  $[(1010*x^5-10*x^4-1009*x^3+9*x^2+10*x+1)/(x-1)/(10*x+1)/$   
 $(10*x-1)/(x+1)$  ogf]  
A280369 9.99929  $[(20*x^5-8*x^4+3*x^3-2*x^2+x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$   
ogf]  
A280370 9.88561  $[(10*x^5-2*x^4-9*x^3+x^2+2*x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$   
ogf]  
A280372 6.25888  $[(100000000*x^12-100000000*x^8-1000000*x^7-10000*x^6-100*x^5-$   
 $x^3-101*x^2-x-1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A280373 7.96957  $[(16*x^12-x^8-2*x^7-4*x^6-8*x^5-8*x^3-5*x^2-2*x-1)/(2*x-1)/(2*x$   
 $+1)/(4*x^2+1)$  ogf]  
A280374 7.73905  $[(256*x^12-256*x^8-64*x^7-16*x^6-4*x^5-x^3-5*x^2-x-1)/(x-1)/(x$   
 $+1)/(x^2+1)$  ogf]  
A280392 8.99749  $[-2*x*(3*x-1)/(4*x-1)^2/(x-1)^2$  ogf]  
A280392 9.12981  $[-(-36*x^2+31*x-7)/(-12*x^3+19*x^2-8*x+1)$  lgdogf]  
A280393 4.20677  $[2*(2*x-1)*(128*x^5-248*x^4+198*x^3-74*x^2+13*x-1)/$   
 $(16*x^3-20*x^2+9*x-1)^2$  ogf]  
A280399 8.62102  $[-(-4*x^3-6*x^2+5*x+1)/(-2*x^4-3*x^3+2*x^2+2*x-1)$  lgdogf]  
A280399 8.95691  $[-2*x^2*(x^2+x-1)/(x+1)^2/(2*x-1)^2$  ogf]  
A280400 9.64340  $[2*x*(3*x^3+2*x^2-1)/(x-1)/(x+1)^2/(2*x-1)^2$  ogf]  
A280410 10.0657  $[(100*x^3-100*x^2+10*x+1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)$  ogf]  
A280411 9.54354  $[(10*x^3-x^2+x+1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)$  ogf]  
A280412 12.6724  $[(4*x^3-4*x^2+2*x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A280425 5.00472  $[{(-n+2)*a(n+1)+(-n-3)*a(n+2)+a(n+3), a(0) = 0, a(1) = 0, a(2) =$   
 $0, a(3) = 0, a(4) = 120}$ , ogf]  
A280428 10.6397  $[1729*(x^2+4*x+1)/(x-1)^4$  ogf]  
A280428 12.7676  $[-(2*x^2+14*x+8)/(x^3+3*x^2-3*x-1)$  lgdogf]  
A280428 3.89621  $[{(n+4)*a(n+4)+(1+3*n)*a(n+3)+(-20-3*n)*a(n+2)+(-3-n)*a(n+1),$   
 $a(0) = 1729, a(1) = 13832, a(2) = 46683, a(3) = 110656}$ , ogf]  
A280429 5.50697  $[-(2*x^9-2*x^8-2*x^7-6*x^6+3*x^5+3*x^4+3*x^3-x^2-x-1)/(x^2+x$   
 $+1)/(x-1)^2/(2*x^3-1)^2$  ogf]  
A280435 7.06226  $[(x^5-x^4+8*x^3+8*x^2-7*x-1)/(x-1)/(x^2+x-1)^2$  ogf]  
A280436 6.55596  $[2*(2*x^6+2*x^5+9*x^4-2*x^3-15*x^2+6*x+1)/(x-1)^2/(x^2+x-1)^2$

ogf]  
 A280437 6.25673 [  $(7*x^6+14*x^5+37*x^4-8*x^3-55*x^2+18*x+5)/(x-1)^2/(x^2+x-1)^2$   
 ogf]  
 A280438 6.24431 [  $2*(6*x^6+18*x^5+36*x^4-10*x^3-48*x^2+14*x+5)/(x-1)^2/$   
 $(x^2+x-1)^2$  ogf]  
 A280439 5.90763 [  $(19*x^6+74*x^5+134*x^4-38*x^3-164*x^2+40*x+20)/(x-1)^2/$   
 $(x^2+x-1)^2$  ogf]  
 A280446 2.92706 [  $-2*(162611*x^4+5180*x^3+29240*x^2+3442*x+2924)/(10*x^3-1)$  ogf]  
 A280454 19.5174 [  $-(-x^5+x-1)/(-x^{10}+1)$  ogf\_with\_Euler\_transform]  
 A280456 17.8712 [  $-(x^6-x+1)/(x^{12}-1)$  ogf\_with\_Euler\_transform]  
 A280457 15.6654 [  $-(-x^7+x-1)/(-x^{14}+1)$  ogf\_with\_Euler\_transform]  
 A280474 5.41616 [  $-(3*x-1)*(12*x^3+9*x^2-6*x+1)/(4*x-1)^3/(x-1)^3$  ogf]  
 A280481 4.25019 [  $x*(40*x^8+16*x^7-16*x^6-13*x^5-17*x^4-19*x^3+23*x^2+8*x-6)/$   
 $(x-1)^2/(x+1)^3/(2*x-1)^3$  ogf]  
 A280523 8.47501 [  $-(x^3-3*x^2+2*x-1)/(x^2-3*x+1)/(x-1)^2$  ogf]  
 A280549 4.52858 [  $-x*(8*x^8-25*x^7-33*x^6+47*x^5+63*x^4-27*x^3-43*x^2+5*x+9)/$   
 $(x-1)^2/(x^2+x-1)^3$  ogf]  
 A280550 3.98372 [ -  
 $(36*x^{10}-39*x^9-46*x^8+134*x^7+57*x^6-142*x^5-86*x^4+79*x^3+48*x^2-28*x-1)/$   
 $(x-1)^3/(x^2+x-1)^3$  ogf]  
 A280551 3.64791 [   
 $(2*x^{11}-76*x^{10}+25*x^9+64*x^8-209*x^7-84*x^6+193*x^5+213*x^4-84*x^3-173*x^2+75*x$   
 $+2)/(x-1)^3/(x^2+x-1)^3$  ogf]  
 A280552 3.52114 [   
 $(4*x^{11}-142*x^{10}-45*x^9+22*x^8-314*x^7-83*x^6+260*x^5+440*x^4-56*x^3-422*x^2+158$   
 $*x+6)/(x-1)^3/(x^2+x-1)^3$  ogf]  
 A280553 3.34603 [   
 $(6*x^{11}-238*x^{10}-205*x^9-148*x^8-480*x^7-79*x^6+341*x^5+930*x^4+21*x^3-928*x^2+3$   
 $22*x+13)/(x-1)^3/(x^2+x-1)^3$  ogf]  
 A280556 3.40270 [  $\{(-2*n^2-14*n-24)*a(n+1)+(n^2+6*n)*a(n+2)+(n^2+9*n+27)*a(n$   
 $+3)+(-3-n)*a(n+4), a(0) = 0, a(1) = 2, a(2) = 26, a(3) = 242\}$ , ogf]  
 A280560 17.8534 [  $-(x-1)/(x+1)$  ogf]  
 A280560 20.6430 [  $2/(x^2-1)$  lgdogf]  
 A280560 31.3582 [  $[-2+x]$  ogf\_with\_Euler\_transform]  
 A280560 9.17467 [  $\{-a(n+2)-a(n+1), a(0) = 1, a(1) = -2\}$ , ogf]  
 A280569 16.0615 [  $x^9-x^5-x^4+x-1$  ogf\_with\_Euler\_transform]  
 A280569 9.04899 [  $-(x-1)*(x^2+x+1)*(x^2-x+1)/(x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
 A280598 5.88850 [  $-(2*x^5+3*x^4-x^3+x^2-x-2)/(x-1)/(x^5+3*x^4+2*x^3+x^2+2*x-1)$   
 ogf]  
 A280599 5.39791 [  $(3*x^7-5*x^6-2*x^5+10*x^4+2*x^3-15*x^2+2*x+4)/$   
 $(2*x^3+3*x^2+x-1)/(x-1)^3$  ogf]  
 A280600 3.70121 [ -  
 $(x^{12}-10*x^{11}+10*x^{10}+25*x^9-21*x^8+10*x^7+36*x^6+3*x^5+18*x^4-38*x^3+52*x^2-18*$   
 $x-8)/(x^2+x+1)/(x^5+x^4-x^3+x^2+2*x-1)/(x-1)^3$  ogf]  
 A280606 7.42559 [  $-(100*x^6+9*x^4-10*x^3+11*x^2-10*x-1)/(10*x-1)/(10*x+1)/(x-1)$   
 ogf]  
 A280607 7.03080 [  $-(10000*x^6-9000*x^4-100*x^3+110*x^2-x-1)/(x-1)/(10*x-1)/(x+1)$   
 ogf]  
 A280608 9.45894 [  $-(4*x^6+x^4-2*x^3+3*x^2-2*x-1)/(2*x-1)/(2*x+1)/(x-1)$  ogf]  
 A280610 9.18494 [  $-(16*x^6-8*x^4-4*x^3+6*x^2-x-1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
 A280658 8.17202 [  $x*(81*x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/$   
 $(x^6+x^3+1)/(x-1)^2$  ogf]  
 A280666 9.91037 [  $-(5*x^5+6*x^4+6*x^3+6*x^2+6*x+6)/(-x^6+1)$   
 ogf\_with\_Euler\_transform]  
 A280668 10.6082 [  $-(3*x+4)/(8*x^2+14*x-1)$  ogf]  
 A280668 5.80924 [  $\{a(n+2)-14*a(n+1)-8*a(n), a(0) = 4, a(1) = 59\}$ , ogf]  
 A280668 6.97109 [  $-(-24*x^2-64*x-59)/(-24*x^3-74*x^2-53*x+4)$  lgdogf]  
 A280669 5.58714 [  $(18*x^4-155*x^3-81*x^2+19*x+11)/(81*x^4+27*x^3-44*x^2-29*x+1)$   
 ogf]  
 A280674 5.96965 [  $(x-1)*(2*x^2-1)*(x^2-3*x-2)/(x+1)/(4*x^4-11*x^3+6*x-1)$  ogf]  
 A280699 9.69415 [  $-(2*x^9+x^8+x^7+3*x^6+2*x^4-2*x^3-x^2-x-1)/(x-1)/(x+1)/(x^2+x$

+1)/(x^2-x+1)/(x^4+x^2-1) ogf]  
A280724 15.9527 [ (x^27+x^9+x^3+1)/(x-1)^2 ogf]  
A280731 10.8328 [ (8\*x^6-x^4-9\*x^3-3\*x^2-2\*x-1)/(3\*x^2-1)/(3\*x^2+1) ogf]  
A280756 16.5440 [ (2\*x+1)/(x^4-4\*x^2-x+1) ogf]  
A280756 9.13367 [ -(-6\*x^4-4\*x^3+8\*x^2+8\*x+3)/(-2\*x^5-x^4+8\*x^3+6\*x^2-x-1) lgdogf]  
A280757 14.5103 [ (x+2)\*x/(x^4-x^3-4\*x^2+1) ogf]  
A280757 9.03193 [ -(-3\*x^4-6\*x^3+10\*x^2+16\*x+1)/(-x^5-x^4+6\*x^3+8\*x^2-x-2) lgdogf]  
A280758 13.4411 [ (x^2+x+1)/(x^4-x^3-3\*x^2-x+1) ogf]  
A280758 9.27433 [ -(2\*x^5+2\*x^4+2\*x^3-5\*x^2-8\*x-2)/(x^6-3\*x^4-5\*x^3-3\*x^2+1) lgdogf]  
A280761 13.5616 [ 8\*(x+1)/(x^2-34\*x+1) ogf]  
A280761 7.33921 [ {-a(n+2)+34\*a(n+1)-a(n), a(0) = 8, a(1) = 280}, ogf]  
A280761 9.31094 [ -(x^2+2\*x-35)/(x^3-33\*x^2-33\*x+1) lgdogf]  
A280811 8.80400 [ -x\*(4\*x^27-x^26+4\*x^17-6\*x^15+6\*x^9-6\*x^4+x^2-2\*x+7)/(x-1) ogf]  
A280822 7.48428 [ -(-6\*x^4+2\*x^3-5\*x^2+x-4)/(x^5-x^4+x^3-x^2+x-1) ogf\_with\_Euler\_transform]  
A280853 7.77687 [ (x-1)\*(4\*x^3-3\*x-2)/(8\*x^4-8\*x^3+2\*x^2-4\*x+1) ogf]  
A280854 5.16848 [ (12\*x^8-16\*x^7-4\*x^6+11\*x^5-48\*x^4-12\*x^3-12\*x^2+21\*x+4)/(2\*x^7-2\*x^6+x^4-4\*x^3-2\*x+1) ogf]  
A280860 7.23345 [ -(-x^11+x^10-x^8+x^7+x^6-x^5+x^4+x^3-x^2+1)/(x^12-1) ogf\_with\_Euler\_transform]  
A280863 7.50406 [ -(x^32+x^24-x^16-x^8-1)/(x^33-x^32-x^25-x^24-2\*x^17+x^16-2\*x^9+x^8-x+1) ogf]  
A280865 12.8394 [ -(x^28-x^27-x^26+x^2-1)/(-x^28-x^2+1) ogf\_with\_Euler\_transform]  
A280865 18.9609 [ -(27\*x^26+1)/(x^27+x-1) lgdogf]  
A280865 30.6721 [ -1/(x^27+x-1) ogf]  
A280874 12.3976 [ -(-2\*x^4-x^3-2\*x^2-x-2)/(-x^6+1) ogf\_with\_Euler\_transform]  
A280891 4.08716 [ {(-4\*n^2-14\*n-12)\*a(n+1)+(-7\*n^2-47\*n-74)\*a(n+2)+(-2\*n^2-22\*n-64)\*a(n+3)+(n^2+11\*n+28)\*a(n+4), a(0) = 1, a(1) = 4, a(2) = 12, a(3) = 37}, ogf]  
A280896 4.33425 [ x\*(32\*x^6-192\*x^5+408\*x^4-380\*x^3+112\*x^2-15\*x+1)/(4\*x^2-8\*x+1)^3 ogf]  
A280897 3.46574 [ -2\*x\*(256\*x^6+1344\*x^5+2416\*x^4+1764\*x^3+570\*x^2+113\*x+5)/(8\*x^2+14\*x-1)^3 ogf]  
A280908 11.8832 [ -(2\*x^6-2\*x^4-x^3-2\*x^2-2)/(-x^8+1) ogf\_with\_Euler\_transform]  
A280920 4.61875 [ {(-n+3)\*a(n+1)+(-n-3)\*a(n+2)+a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 720}, ogf]  
A280931 11.3347 [ -(-14\*x^2-34\*x-31)/(-14\*x^3-31\*x^2-3\*x+17) lgdogf]  
A280931 16.8815 [ -2\*(14\*x+17)/(x^2+x-1) ogf]  
A280931 9.44561 [ {a(n+2)-a(n+1)-a(n), a(0) = 34, a(1) = 62}, ogf]  
A280932 10.7323 [ -(-41\*x^2-112\*x-97)/(-41\*x^3-97\*x^2-15\*x+56) lgdogf]  
A280932 16.4410 [ -(41\*x+56)/(x^2+x-1) ogf]  
A280932 9.19915 [ {a(n+2)-a(n+1)-a(n), a(0) = 56, a(1) = 97}, ogf]  
A280939 19.7815 [ -1/2\*ln(x^2+1)+arcsinh(x) revegf]  
A280955 4.55642 [ {-a(n+4)+4\*a(n+3)+4\*a(n+2)+a(n+1), a(0) = 2, a(1) = 9, a(2) = 42, a(3) = 205}, ogf]  
A280955 8.91474 [ (x-1)\*(x+2)\*(x+1)/(x^3+4\*x^2+4\*x-1) ogf]  
A281005 5.78216 [ -(x^25+x^22-x^21+x^19-x^18+x^16-x^15+x^13-x^12+x^10+x^8+2\*x^7-2\*x^6-x^5-x^4-2\*x^3-2\*x^2-2\*x-3)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A281026 10.3998 [ -(-3\*x^4-4\*x^3-5\*x^2-2\*x-4)/(-x^5-x^3+x^2+1) lgdogf]  
A281026 10.7850 [ -(x^2+x+1)\*x/(x^2+1)/(x-1)^3 ogf]  
A281026 26.3483 [ x^3-x^2-x+4 ogf\_with\_Euler\_transform]  
A281028 5.21770 [ 2\*x^2\*(2\*x^3-1)^2/(4\*x^5+2\*x^4-2\*x^3-x^2-3\*x+1)^2 ogf]  
A281050 6.54783 [ -(12\*x^4+20\*x^3-18\*x^2+14\*x-6)/(-4\*x^5+17\*x^4-22\*x^3+15\*x^2-6\*x+1) lgdogf]  
A281050 6.74427 [ -x\*(4\*x^3-5\*x^2+3\*x-1)/(x^2-3\*x+1)^3 ogf]  
A281051 7.47238 [ -2\*x\*(2\*x+1)\*(x+3)\*(2\*x^2+4\*x+1)/(x+1)/(2\*x-1)^3 ogf]

A281057 3.71079 [  $x*(x^{12}-2*x^{11}-8*x^{10}+13*x^9+31*x^8-14*x^7-43*x^6-18*x^5+29*x^4+22*x^3-11*x^2-x-1)/(x-1)^2/(x^2+x-1)^3$  ogf ]  
A281064 10.5156 [  $-4*(x-1)*(x^2+5*x+1)/(x^2+4*x-1)/(x^2-4*x-1)$  ogf ]  
A281074 3.58033 [  $2*x^2*(x^8+x^7-4*x^6-x^4-9*x^3+7*x^2-6*x+3)/(x-1)^2/(x^5+3*x^4+2*x^3+x^2+2*x-1)^2$  ogf ]  
A281098 5.28021 [  $-x*(x^{10}-x^9+4*x^8-5*x^7+3*x^6-6*x^5-3*x^4-5*x^3-4*x^2-x-1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf ]  
A281124 5.78760 [  $-2*x*(x+1)*(3*x^3+5*x^2-5*x-1)/(x^3+4*x^2+4*x-1)^2$  ogf ]  
A281133 4.90984 [  $-8*x^2*(4*x-3)*(x-1)^2/(8*x^4-8*x^3+2*x^2-4*x+1)^2$  ogf ]  
A281146 10.1160 [  $(100*x^4-x^2+1)/(x-1)/(10*x-1)/(x+1)$  ogf ]  
A281146 4.47439 [  $\{a(n+4)-10*a(n+3)-a(n+2)+10*a(n+1), a(0) = 1, a(1) = 10, a(2) = 100, a(3) = 1000, a(4) = 10100\}$ , ogf ]  
A281151 23.8217 [  $[x^4-x^3-x+4]$  ogf\_with\_Euler\_transform ]  
A281151 9.12942 [  $-x*(x^2+1)*(x+1)^2/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf ]  
A281156 8.43359 [  $-(x^5+5*x^4+9*x^3+10*x^2+4*x+1)/(-x^8+4*x^6-6*x^4+4*x^2-1)$  ogf\_with\_Euler\_transform ]  
A281157 7.63878 [  $-(x^6+5*x^5+15*x^4+18*x^3+15*x^2+5*x+1)/(-x^8+4*x^6-6*x^4+4*x^2-1)$  ogf\_with\_Euler\_transform ]  
A281166 12.9493 [  $-(3*x^2-2*x+1)/(2*x-1)/(x^2-x+1)$  ogf ]  
A281166 7.05272 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-2*a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$ , ogf ]  
A281166 8.31479 [  $-(-6*x^4+8*x^3-3*x^2-1)/(-6*x^5+13*x^4-17*x^3+12*x^2-5*x+1)$  lgdogf ]  
A281199 10.1816 [  $-(-3*x^2+7*x-5)/(-x^3+4*x^2-4*x+1)$  lgdogf ]  
A281199 3.27447 [  $\{(-3-n)*a(n+4)+(13+4*n)*a(n+3)+(-11-4*n)*a(n+2)+(n+3)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 10, a(3) = 38\}$ , ogf ]  
A281199 9.87303 [  $-2*x*(x-1)/(x^2-3*x+1)^2$  ogf ]  
A281200 11.9168 [  $-(28*x+14)/(8*x^3+16*x^2-8*x-1)$  lgdogf ]  
A281200 13.0203 [  $(4*x^2+10*x+1)/(2*x-1)^2$  ogf ]  
A281200 6.76052 [  $\{-a(n+3)+4*a(n+2)-4*a(n+1), a(0) = 1, a(1) = 14, a(2) = 56\}$ , ogf ]  
A281201 5.05911 [  $2*(x+1)*(2*x^6-9*x^4-8*x^3+7*x^2+11*x+1)/(x^4-2*x^2-x+1)^2$  ogf ]  
A281202 5.40302 [  $(4*x^7+12*x^6+2*x^5-25*x^4-26*x^3-12*x^2+32*x+5)/(x-1)^2/(x^3+x^2+x-1)^2$  ogf ]  
A281204 3.44490 [  $(10*x^{11}+23*x^{10}+56*x^9+92*x^8+88*x^7+21*x^6-26*x^5-107*x^4-126*x^3-47*x^2+86*x+20)/(x^3+x^2-1)^2/(x^3-x^2+2*x-1)^2$  ogf ]  
A281206 6.88793 [  $-2*x*(2*x^5+3*x^4-6*x^3-6*x^2+4*x+1)/(x-1)/(x^2+x-1)^2$  ogf ]  
A281207 5.97039 [  $x*(5*x^6-11*x^5-38*x^4+32*x^3+60*x^2-26*x-10)/(x-1)/(x^2+x-1)^2$  ogf ]  
A281208 5.04139 [  $2*x*(x^8+13*x^7-17*x^6-55*x^5+94*x^4+69*x^3-125*x^2+8*x+19)/(x-1)^2/(x^2+x-1)^2$  ogf ]  
A281209 4.60162 [  $-x*(4*x^9-10*x^8-114*x^7+56*x^6+363*x^5-422*x^4-489*x^3+596*x^2+72*x-130)/(x-1)^2/(x^2+x-1)^2$  ogf ]  
A281210 4.13351 [  $-2*x*(3*x^{10}+6*x^9-36*x^8-180*x^7+39*x^6+525*x^5-376*x^4-785*x^3+606*x^2+280*x-210)/(x-1)^2/(x^2+x-1)^2$  ogf ]  
A281211 3.96262 [  $-x*(10*x^{11}+18*x^{10}-40*x^9-274*x^8-920*x^7+12*x^6+2793*x^5-830*x^4-4664*x^3+1916*x^2+2544*x-1308)/(x-1)^2/(x^2+x-1)^2$  ogf ]  
A281214 9.83106 [  $(10*x^3+11*x+1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)/(x^2+1)$  ogf ]  
A281215 9.61428 [  $(100*x^3+11*x+1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)/(100*x^2+1)$  ogf ]  
A281216 12.4236 [  $(2*x^3+3*x+1)/(x^2+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf ]  
A281217 11.6844 [  $(4*x^3+3*x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(4*x^2+1)$  ogf ]  
A281231 7.82839 [  $1/6*\exp(x)*x^3+3/2*\exp(x)*x^2+3*\exp(x)*x+\exp(x)$  lgdegf ]  
A281234 14.9400 [  $-(2*x-6)/(x^2-6*x+1)$  lgdogf ]  
A281234 18.8716 [  $48*x/(x^2-6*x+1)$  ogf ]



A281234 8.74538 [ {a(n+2)-6\*a(n+1)+a(n), a(0) = 0, a(1) = 48}, ogf ]  
A281235 8.74137 [ -4\*(19\*x^5+33\*x^4+51\*x^3-33\*x^2-19\*x-17)/(x^6-6\*x^3+1) ogf ]  
A281236 8.85085 [ 96\*x\*(3\*x^4+10\*x^3+17\*x^2+10\*x+3)/(x^6-6\*x^3+1) ogf ]  
A281237 11.3655 [ -(-3\*x^2+2\*x-3)/(-3\*x^3+19\*x^2-9\*x+1) lgdogf ]  
A281237 15.7183 [ -32\*(3\*x-1)/(x^2-6\*x+1) ogf ]  
A281237 8.79475 [ {a(n+2)-6\*a(n+1)+a(n), a(0) = 32, a(1) = 96}, ogf ]  
A281238 15.0323 [ -(2\*x-6)/(x^2-6\*x+1) lgdogf ]  
A281238 18.5013 [ 768\*x/(x^2-6\*x+1) ogf ]  
A281238 8.69339 [ {a(n+2)-6\*a(n+1)+a(n), a(0) = 0, a(1) = 768}, ogf ]  
A281239 9.09888 [ -2\*(19\*x^5+33\*x^4+51\*x^3-33\*x^2-19\*x-17)/(x^6-6\*x^3+1) ogf ]  
A281240 8.63983 [ 48\*x\*(3\*x^4+10\*x^3+17\*x^2+10\*x+3)/(x^6-6\*x^3+1) ogf ]  
A281241 8.30804 [ -8\*(19\*x^5+33\*x^4+51\*x^3-33\*x^2-19\*x-17)/(x^6-6\*x^3+1) ogf ]  
A281242 8.49308 [ 192\*x\*(3\*x^4+10\*x^3+17\*x^2+10\*x+3)/(x^6-6\*x^3+1) ogf ]  
A281243 11.3826 [ -(x^8-x^7+x^3)/(x^10-1) ogf\_with\_Euler\_transform ]  
A281244 9.93949 [ -(x^10+x^9-x^4)/(-x^12+1) ogf\_with\_Euler\_transform ]  
A281245 9.13142 [ -(x^12-x^11+x^5)/(x^14-1) ogf\_with\_Euler\_transform ]  
A281258 14.0175 [ -3\*x\*(3\*x^6+2\*x^3+1)/(x-1)/(x^6+x^3+1) ogf ]  
A281262 4.07025 [ {(16\*n^2+64\*n+60)\*a(n+1)+(4\*n^2+18\*n+20)\*a(n+2)+(-n-3)\*a(n+3),  
a(0) = 1, a(1) = 0, a(2) = 6}, ogf ]  
A281271 11.5042 [ -(x^7-x^5+x^2)/(x^10-1) ogf\_with\_Euler\_transform ]  
A281272 12.7655 [ -(-x^6+x^3-x)/(-x^10+1) ogf\_with\_Euler\_transform ]  
A281320 3.02525 [ {(n+3)\*a(n+4)+(-34-10\*n)\*a(n+3)+(52+20\*n)\*a(n+2)+(-24-8\*n)\*a(n  
+1), a(0) = 0, a(1) = 2, a(2) = 28, a(3) = 304}, ogf ]  
A281320 8.90036 [ -2\*x\*(2\*x-1)/(4\*x^2-8\*x+1)^2 ogf ]  
A281320 8.90036 [ -(-24\*x^2+32\*x-14)/(-8\*x^3+20\*x^2-10\*x+1) lgdogf ]  
A281321 5.31652 [ (64\*x^4+200\*x^3+158\*x^2+18\*x+1)/(8\*x^2+14\*x-1)^2 ogf ]  
A281333 10.4429 [ -(x^4+x^3+x^2+1)/(x^2+x+1)/(x+1)/(x-1)^3 ogf ]  
A281338 7.16460 [ -(6\*x^4+2\*x^3+x^2-2\*x-2)/(4\*x^5+2\*x^4-2\*x^3-x^2-3\*x+1) ogf ]  
A281339 3.95862 [ -(4\*x^9+4\*x^8+9\*x^7+16\*x^6-3\*x^5+30\*x^4+18\*x^3-3\*x^2+13\*x+4)/  
(2\*x^9+2\*x^7+2\*x^6-x^5+7\*x^4-x^3-x^2+3\*x-1) ogf ]  
A281362 11.0124 [ -(x^4-x^2+1)/(x+1)/(x^2+x-1)/(x-1)^2 ogf ]  
A281366 10.2868 [ (9\*x^6-x^4-10\*x^3-3\*x^2-2\*x-1)/(10\*x^4-1) ogf ]  
A281381 15.1378 [ 3\*x\*(x+3)/(x-1)^4 ogf ]  
A281381 20.0808 [ -(3\*x+13)/(x^2+2\*x-3) lgdogf ]  
A281381 6.51629 [ {(6+3\*n)\*a(n+3)+(-15-2\*n)\*a(n+2)+(-3-n)\*a(n+1), a(0) = 0, a(1)  
= 9, a(2) = 39}, ogf ]  
A281387 11.6736 [ -(4\*x^3+x^2-11\*x-4)/(x^2+x-1)/(x^2-x-1) ogf ]  
A281390 4.94945 [ -5\*(199999999960828877\*x^3-1980000000\*x^2-1980000000\*x-200000015998828877)/  
(x^2+x+1)/(x-1)^2 ogf ]  
A281394 5.52580 [ 2\*x^2\*(x^2+3\*x-3)\*(x^2-x-1)/(2\*x^4-x^2-3\*x+1)^2 ogf ]  
A281401 4.10574 [ 2\*x^2\*(2\*x^3-2\*x-1)\*(12\*x^4-2\*x^3-16\*x^2-4\*x+5)/(2\*x-1)/  
(2\*x^4-3\*x^2-x+1)^2 ogf ]  
A281402 3.55426 [ -x\*(32\*x^11+28\*x^10-34\*x^9+92\*x^8-519\*x^7+308\*x^6-441\*x^5+548\*x^4-171\*x^3+174\*x^2  
-107\*x-6)/(x-1)^2/(2\*x^3+x-1)^2 ogf ]  
A281433 7.59321 [ -(x^5-x^4-x^2-x-1)/(-x^5+x^4+x^3-2\*x^2+1) lgdegf ]  
A281445 11.7972 [ -(4\*x^3+10\*x^2+23\*x+7)/(4\*x^4+3\*x^3-3\*x-4) lgdogf ]  
A281445 14.3114 [ (4\*x^2+3\*x+4)/(x+1)/(x-1)^2 ogf ]  
A281445 7.72562 [ {a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 4, a(1) = 7, a(2) = 15},  
ogf ]  
A281454 7.78558 [ 1/6\*exp(x)\*x^4+13/6\*exp(x)\*x^3+15/2\*exp(x)\*x^2+7\*exp(x)\*x  
+exp(x) lgdegf ]  
A281455 9.43719 [ -(-x^11+x^9-x^4)/(-x^14+1) ogf\_with\_Euler\_transform ]  
A281456 9.58817 [ -(-x^10+x^7-x^3)/(-x^14+1) ogf\_with\_Euler\_transform ]  
A281457 9.72788 [ -(-x^9+x^5-x^2)/(-x^14+1) ogf\_with\_Euler\_transform ]  
A281458 10.6953 [ -(x^8-x^3+x)/(x^14-1) ogf\_with\_Euler\_transform ]  
A281459 9.94504 [ -(x^12-x^11+x^7+x^5-x+1)/(x^14-1) ogf\_with\_Euler\_transform ]  
A281460 9.56738 [ -(x^11-x^9+x^8+x^4-x^3+x)/(x^14-1) ogf\_with\_Euler\_transform ]  
A281461 9.05396 [ -(-x^10-x^9+x^7+x^5-x^3-x^2)/(-x^14+1)  
ogf\_with\_Euler\_transform ]

A281464 5.34655 [ (16\*x^8-24\*x^7+12\*x^6+12\*x^5-26\*x^4-10\*x^2+9\*x+4)/(4\*x^7-4\*x^6+4\*x^5+3\*x^4-3\*x^3-2\*x+1) ogf]  
A281465 4.41824 [ (41\*x^9-10\*x^8-90\*x^7-50\*x^6+59\*x^5+84\*x^4+12\*x^3+6\*x^2-29\*x-8)/(x-1)/(3\*x^7+3\*x^6-2\*x^5-6\*x^4-5\*x^3-x^2+1) ogf]  
A281470 6.93578 [ -(8\*x^5+2\*x^4-10\*x^3-9\*x^2+2\*x+2)/(2\*x-1)/(2\*x^4-3\*x^2-x+1) ogf]  
A281471 6.52220 [ (2\*x^7-2\*x^6+14\*x^5-39\*x^4+8\*x^3-22\*x^2+17\*x+4)/(x-1)/(2\*x^3+x-1) ogf]  
A281472 5.96328 [ (4\*x^8-8\*x^7+23\*x^6-40\*x^5-83\*x^4+49\*x^3-94\*x^2+65\*x+8)/(x-1)/(x^2+1)/(x^2+x-1) ogf]  
A281473 4.52479 [ (2\*x^10+x^9-24\*x^8+132\*x^7-288\*x^6+124\*x^5-251\*x^4+189\*x^3-379\*x^2+232\*x+16)/(x-1)/(x^5+x^3+x-1) ogf]  
A281474 4.06617 [ -(6\*x^11-x^10+64\*x^9-548\*x^8+906\*x^7+108\*x^6-617\*x^5+818\*x^4-664\*x^3+1399\*x^2-793\*x-32)/(x-1)/(x^6+x^3+x-1) ogf]  
A281481 11.7597 [ -(11\*x^2-10\*x+2)/(x-1)/(2\*x-1)/(4\*x-1) ogf]  
A281481 6.60194 [ {-a(n+3)+7\*a(n+2)-14\*a(n+1)+8\*a(n), a(0) = 2, a(1) = 4, a(2) = 11}, ogf]  
A281481 6.84201 [ -(88\*x^4-160\*x^3+111\*x^2-34\*x+4)/(88\*x^5-234\*x^4+233\*x^3-109\*x^2+24\*x-2) lgdogf]  
A281482 11.7004 [ -(4\*x^2-10\*x+3)/(x-1)/(2\*x-1)/(4\*x-1) ogf]  
A281482 6.40977 [ {a(n+3)-7\*a(n+2)+14\*a(n+1)-8\*a(n), a(0) = 3, a(1) = 11, a(2) = 39}, ogf]  
A281482 6.64076 [ -(-32\*x^4+160\*x^3-184\*x^2+76\*x-11)/(-32\*x^5+136\*x^4-192\*x^3+116\*x^2-31\*x+3) lgdogf]  
A281500 14.9097 [ (4\*x^2+3\*x+2)/(x-1)/(2\*x+1)/(2\*x-1)/(x+1) ogf]  
A281503 10.4908 [ -(x-1)\*(x^2+4\*x+1)/(x^4-46\*x^2+1) ogf]  
A281504 10.9550 [ (x+1)\*(5\*x^2+12\*x+5)/(x^4-46\*x^2+1) ogf]  
A281546 11.1019 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 2, a(1) = 29}, ogf]  
A281546 17.7203 [ -(-25\*x-29)/(-25\*x^2+23\*x+2) lgdogf]  
A281546 20.0316 [ (25\*x+2)/(x-1)^2 ogf]  
A281557 3.38227 [ x^2\*(4\*x^8+4\*x^7-52\*x^6+56\*x^5+14\*x^4-68\*x^3+27\*x^2-3\*x+1)/(2\*x^4-x^2-3\*x+1)^3 ogf]  
A281581 7.60325 [ -(82\*x^3-57\*x^2+13\*x-1)/(6\*x-1)/(4\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
A281584 11.6371 [ (2\*x+1)\*(x+2)\*(x+1)/(x^4-8\*x^2+1) ogf]  
A281593 11.7129 [ -(-4\*x^2+2\*x-1)/(-8\*x^3+14\*x^2-7\*x+1) lgdogf]  
A281593 3.78776 [ {(n+4)\*a(n+4)+(-22-7\*n)\*a(n+3)+(30+14\*n)\*a(n+2)+(-12-8\*n)\*a(n+1), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 11}, ogf]  
A281600 5.82656 [ -(48\*x^5+28\*x^4+26\*x^3+34\*x^2-x-4)/(40\*x^5+64\*x^4+26\*x^3-10\*x^2-7\*x+1) ogf]  
A281647 10.4095 [ 2\*(x+1)\*(x^2+10\*x+1)/(x^2+6\*x-1)/(x^2-6\*x-1) ogf]  
A281654 3.74672 [ 2\*x\*(64\*x^7-192\*x^6+256\*x^5-208\*x^4+100\*x^3-40\*x^2+19\*x+2)/(8\*x^4-8\*x^3+2\*x^2-4\*x+1)^2 ogf]  
A281660 5.21307 [ {(n^3+10\*n^2+34\*n+40)\*a(n+1)+(-n^3-4\*n^2-6\*n-4)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 15}, ogf]  
A281660 7.26960 [ (5\*x^2+1)\*(x^4+2\*x^3+6\*x^2+2\*x+1)/(x-1)^4/(x+1)^4 ogf]  
A281661 4.74856 [ (35\*x^10+130\*x^9+861\*x^8+832\*x^7+2054\*x^6+828\*x^5+850\*x^4+128\*x^3+39\*x^2+2\*x+1)/(x-1)^6/(x+1)^6 ogf]  
A281683 22.5870 [ -1/(x^2+2\*x+1) ogf\_with\_Euler\_transform]  
A281698 8.64083 [ -(122\*x^3-153\*x^2+51\*x-5)/(x-1)/(6\*x-1)/(4\*x-1)/(2\*x-1) ogf]  
A281699 13.5336 [ -2\*(32\*x^2-24\*x+7)/(x-1)/(2\*x-1)/(4\*x-1) ogf]  
A281699 7.51869 [ {a(n+3)-7\*a(n+2)+14\*a(n+1)-8\*a(n), a(0) = 14, a(1) = 50, a(2) = 218}, ogf]  
A281699 7.71655 [ -(256\*x^4-384\*x^3+280\*x^2-132\*x+25)/(256\*x^5-640\*x^4+616\*x^3-298\*x^2+73\*x-7) lgdogf]  
A281710 9.47281 [ -(4\*x^5+4\*x^4+x^3+6\*x^2-5\*x-1)/(x-1)/(x^2+x-1) ogf]  
A281716 7.56955 [ -(2\*x^4+2\*x^3-4\*x^2-3\*x+2)/(2\*x-1)/(2\*x^4-3\*x^2-x+1) ogf]  
A281727 11.5891 [ -(x-1)\*(x^2+1)/(x+1)/(x^2-x+1) ogf]

A281727 16.0615 [x<sup>5</sup>-x<sup>3</sup>-x<sup>2</sup>+x-1 ogf\_with\_Euler\_transform]  
A281727 6.88100 [{-a(n+4)-a(n+1), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = -2}, ogf]  
A281733 23.7104 [x\*(16\*x-1)^2 revogf]  
A281733 5.33025 [{(216\*n^2+864\*n+840)\*a(n+1)+(-2\*n^2-11\*n-15)\*a(n+2), a(0) = 1, a(1) = 32}, ogf]  
A281746 8.83226 [ x\*(3\*x^6+2\*x^5+x^4+3\*x^3+x^2+2\*x+3)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A281760 4.92748 [ (8\*x^10+8\*x^9+6\*x^8+36\*x^7-26\*x^6-32\*x^5+49\*x^4-38\*x^3-x^2+6\*x+2)/(x-1)^2/(x^2+x-1)^2 ogf]  
A281766 4.94499 [ 2\*x\*(x-1)\*(x+1)\*(6\*x^4-x^3-8\*x^2-x+2)/(2\*x-1)/(2\*x^4-3\*x^2-x+1)^2 ogf]  
A281773 11.9314 [ -x^2\*(3\*x+1)/(x-1)/(3\*x-1)/(2\*x-1) ogf]  
A281773 5.64693 [{a(n+4)-6\*a(n+3)+11\*a(n+2)-6\*a(n+1), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 9}, ogf]  
A281773 8.70292 [ -(-36\*x^3+15\*x^2+22\*x-9)/(-18\*x^4+27\*x^3-7\*x^2-3\*x+1) lgdogf]  
A281774 7.42660 [ -6\*x^3\*(10\*x^2-3\*x+1)/(x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
A281775 6.21449 [ 6\*x^4\*(150\*x^2-59\*x+9)/(x-1)/(6\*x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1)/(5\*x-1) ogf]  
A281776 5.10328 [ -x^3\*(2100\*x^4+448\*x^3-235\*x^2+26\*x+1)/(x-1)/(6\*x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1)/(7\*x-1)/(5\*x-1) ogf]  
A281777 4.22690 [ -20\*x^4\*(1344\*x^4-1100\*x^3+181\*x^2-4\*x-1)/(x-1)/(6\*x-1)/(4\*x-1)/(3\*x-1)/(2\*x-1)/(8\*x-1)/(7\*x-1)/(5\*x-1) ogf]  
A281778 3.60883 [ -6\*x^4\*(22680\*x^5-10839\*x^4+3570\*x^3-265\*x^2-30\*x+4)/(x-1)/(6\*x-1)/(4\*x-1)/(3\*x-1)/(9\*x-1)/(2\*x-1)/(8\*x-1)/(7\*x-1)/(5\*x-1) ogf]  
A281781 25.7654 [1/(x^2+2\*x+1) ogf\_with\_Euler\_transform]  
A281787 4.64393 [{a(n+3)-111\*a(n+2)+1110\*a(n+1)-1000\*a(n), a(0) = 23, a(1) = 2318, a(2) = 233168}, ogf]  
A281787 7.98756 [ -(1400\*x^2-235\*x+23)/(x-1)/(100\*x-1)/(10\*x-1) ogf]  
A281791 7.28361 [ (14\*x^7+29\*x^6+12\*x^5-35\*x^4-34\*x^3+4\*x^2+18\*x+3)/(x^3+x^2-1)^2 ogf]  
A281813 13.3820 [-(4\*x+12)/(-x^3+7\*x^2-3\*x-3) lgdogf]  
A281813 14.3920 [ -(x^2-6\*x-3)/(x-1)^2 ogf]  
A281813 7.33438 [{-a(n+3)+2\*a(n+2)-a(n+1), a(0) = 3, a(1) = 12, a(2) = 20}, ogf]  
A281831 10.8887 [ -(x^2+2\*x+2)/(2\*x^3+3\*x^2+3\*x-1) ogf]  
A281831 5.87798 [{-a(n+3)+3\*a(n+2)+3\*a(n+1)+2\*a(n), a(0) = 2, a(1) = 8, a(2) = 31}, ogf]  
A281831 6.64212 [ -(-2\*x^4-8\*x^3-15\*x^2-14\*x-8)/(-2\*x^5-7\*x^4-13\*x^3-11\*x^2-4\*x+2) lgdogf]  
A281832 4.00129 [ -(24\*x^7+46\*x^6+57\*x^5+61\*x^4+37\*x^3+8\*x^2-11\*x-4)/(28\*x^7+15\*x^6+25\*x^5+23\*x^4-6\*x^3-4\*x^2-5\*x+1) ogf]  
A281857 6.24993 [ 9\*(33500\*x^2-550\*x+17)/(x-1)/(100\*x-1)/(1000\*x-1)/(10\*x-1) ogf]  
A281858 4.38825 [{-a(n+3)+1110\*a(n+2)-111000\*a(n+1)+1000000\*a(n), a(0) = 370, a(1) = 336700, a(2) = 333667000}, ogf]  
A281858 7.11199 [ -10\*(100000\*x^2-7400\*x+37)/(100\*x-1)/(1000\*x-1)/(10\*x-1) ogf]  
A281859 5.33399 [ -(2000000\*x^3-1815000\*x^2+112110\*x-407)/(x-1)/(100\*x-1)/(1000\*x-1)/(10\*x-1) ogf]  
A281860 5.38037 [ -(2000000\*x^3-1185000\*x^2+75480\*x-371)/(x-1)/(100\*x-1)/(1000\*x-1)/(10\*x-1) ogf]  
A281862 13.5554 [3\*x^5-x^3-3\*x^2-2\*x+3 ogf\_with\_Euler\_transform]  
A281862 6.90100 [ (x^2+1)\*x/(x^2-x+1)^3 ogf]  
A281863 10.3329 [{a(n+2)-60\*a(n), a(0) = 1, a(1) = 10}, ogf]  
A281863 15.8598 [ -(10\*x+1)/(60\*x^2-1) ogf]  
A281863 9.34208 [-(600\*x^2+120\*x+10)/(600\*x^3+60\*x^2-10\*x-1) lgdogf]  
A281873 47.1990 [[2] ogf\_with\_Euler\_transform]  
A281899 14.0762 [ x\*(7\*x^2+x+1)/(x^2+x+1)/(x-1)^2 ogf]  
A281899 5.61321 [{(3\*n+7)\*a(n+1)+3\*a(n+2)+3\*a(n+3)+(-3\*n-4)\*a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 9}, ogf]  
A281899 9.14954 [ -(-14\*x^4-10\*x^3-12\*x^2-16\*x-2)/(-7\*x^5-x^4-x^3+7\*x^2+x+1)

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lgdogf]
A281912 4.00018 [ {(-n^2-7*n-12)*a(n+1)+(n^2+10*n+24)*a(n+2)+(-n-3)*a(n+3), a(0)
= 1, a(1) = 8, a(2) = 57}, ogf]
A281912 9.44488 [ -(x^3-6*x^2+9*x+8)/(-x^3+4*x^2-2*x-1) lgdegf]
A281930 10.1443 [ -(-12*x^2-12*x-6)/(-2*x^3-3*x^2-3*x+1) lgdogf]
A281930 3.41595 [ {(-2*n-10)*a(n+1)+(-3*n-12)*a(n+2)+(-3*n-9)*a(n+3)+(n+2)*a(n
+4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6}, ogf]
A281930 9.29899 [ x^2/(2*x^3+3*x^2+3*x-1)^2 ogf]
A281946 3.27859 [ {(-n^2-7*n-12)*a(n+1)+(-2*n^2-19*n-44)*a(n+2)+(3*n^2+41*n
+144)*a(n+3)+(-3*n-12)*a(n+4), a(0) = 1, a(1) = 16, a(2) = 195, a(3) = 2248},
ogf]
A281946 8.30338 [ -(2*x^4-15*x^3+20*x^2+67*x+16)/(-2*x^4+9*x^3+2*x^2-8*x-1)
lgdegf]
A281949 11.4298 [ -2*(x^2+1)/(4*x^3-2*x^2+4*x-1) ogf]
A281949 5.76549 [ {a(n+3)-4*a(n+2)+2*a(n+1)-4*a(n), a(0) = 2, a(1) = 8, a(2) =
30}, ogf]
A281949 7.40341 [ -(-4*x^4-8*x^2+2*x-4)/(-4*x^5+2*x^4-8*x^3+3*x^2-4*x+1) lgdogf]
A281964 3.40162 [ {(-n^3-10*n^2-33*n-36)*a(n+1)+(n^2+7*n+12)*a(n+2)+(-n-5)*a(n
+3)+a(n+4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 16}, ogf]
A281982 3.19418 [ {(-4*n-20)*a(n+1)+(2*n+8)*a(n+2)+(-4*n-12)*a(n+3)+(n+2)*a(n+4),
a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 16}, ogf]
A281982 8.50343 [ 2*x^2/(4*x^3-2*x^2+4*x-1)^2 ogf]
A281982 9.68083 [ -(-24*x^2+8*x-8)/(-4*x^3+2*x^2-4*x+1) lgdogf]
A281999 7.35240 [ -(2*x^5+82*x^4+372*x^3+472*x^2+242*x+30)/
(x^6+26*x^5+65*x^4-65*x^2-26*x-1) lgdogf]
A281999 8.88415 [ -(x^4+26*x^3+66*x^2+26*x+1)/(x+1)/(x-1)^5 ogf]
A282002 9.15371 [ -(10*x^2+1)*(100*x^2-10*x-1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)
ogf]
A282003 8.45630 [ -(x^2-x-1)*(10*x^2+1)/(x-1)/(10*x+1)/(10*x-1)/(x+1) ogf]
A282004 11.2836 [ -(4*x^2-2*x-1)*(2*x^2+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1) ogf]
A282005 10.8689 [ -(2*x^2+1)*(x^2-x-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1) ogf]
A282022 12.2017 [ -(-36*x^2-24*x-3)/(-36*x^3-12*x^2+3*x+1) lgdogf]
A282022 12.7649 [ {-a(n+2)+12*a(n), a(0) = 1, a(1) = 3}, ogf]
A282022 19.7552 [ -(3*x+1)/(12*x^2-1) ogf]
A282023 12.2507 [ -(48*x^2+24*x+4)/(48*x^3+12*x^2-4*x-1) lgdogf]
A282023 12.8162 [ {a(n+2)-12*a(n), a(0) = 1, a(1) = 4}, ogf]
A282023 19.8345 [ -(4*x+1)/(12*x^2-1) ogf]
A282032 10.3728 [ (50*x^11+25*x^10+20*x^9+4*x^5+1)/(x-1)^2 ogf]
A282033 9.35037 [ (75*x^11+20*x^8-5*x^7+5*x^6+4*x^5+1)/(x-1)^2 ogf]
A282034 7.03918 [ (20*x^15+70*x^14+54*x^11+4*x^10-50*x^9-45*x^6+45*x^4+x+1)/(x
+1)/(x-1)^2 ogf]
A282044 2.56495 [ -x^4+x^2+2*x+2 ogf_with_Euler_transform]
A282051 6.08411 [ -(2*x-1)*(4*x^3-5*x^2-2*x-2)/(x-1)/(8*x^4-16*x^3+4*x^2-7*x+1)
ogf]
A282077 4.41094 [ x*(x^4+10*x^2+5)/(x+1)^5/(x-1)^10 ogf]
A282077 7.92169 [ -(11*x^5+5*x^4+134*x^3+50*x^2+95*x+25)/(x^6+9*x^4-5*x^2-5)
lgdogf]
A282078 7.73515 [ -(-12*x^5-6*x^4-144*x^3-60*x^2-100*x-30)/(-x^6-9*x^4+5*x^2+5)
lgdogf]
A282079 7.64099 [ -(x^4-2*x^3+4*x^2-2*x+1)/(x^2+1)^2/(x-1)^3 ogf]
A282080 4.97801 [ -(x^2-x+1)*(x^4-2*x^3+6*x^2-2*x+1)/(x^2+1)^3/(x-1)^5 ogf]
A282081 4.62146 [ (x^2-x+1)*(x^4-2*x^3+6*x^2-2*x+1)/(x^2+1)^3/(x-1)^6 ogf]
A282087 11.2731 [ -(x+1)*(2*x-1)/(2*x^2+2*x-1)/(x^2+2*x-1) ogf]
A282087 6.76388 [ -(8*x^5+18*x^4+4*x^3-9*x^2-6*x+3)/
(4*x^6+14*x^5+6*x^4-13*x^3-3*x^2+5*x-1) lgdogf]
A282088 7.61105 [ -(-200*x^5+2*x)/(-10000*x^8+20100*x^6-10300*x^4+201*x^2-1)
lgdogf]
A282088 9.70684 [ (100*x^4-100*x^2+1)/(x-1)/(10*x+1)/(10*x-1)/(x+1) ogf]
A282103 5.70981 [ -(1000*x^7-1000*x^6-1100*x^4-99*x^3-111*x^2-x-1)/(10*x-1)/
(10*x+1)/(x-1)/(x^2+x+1)/(100*x^2+1) ogf]
A282104 5.65860 [ -(10000*x^7-1000*x^6-110*x^4+990*x^3-111*x^2-10*x-1)/(x-1)/

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$(10*x-1)/(x+1)/(x^2+1)/(100*x^2+10*x+1)$  ogf]  
A282105 7.89905 [  $-(8*x^7-8*x^6-12*x^4-3*x^3-7*x^2-x-1)/(2*x-1)/(2*x+1)/(x-1)/(x^2+x+1)/(4*x^2+1)$  ogf]  
A282106 8.06026 [  $-(16*x^7-8*x^6-6*x^4+6*x^3-7*x^2-2*x-1)/(x-1)/(2*x-1)/(x+1)/(x^2+1)/(4*x^2+2*x+1)$  ogf]  
A282113 7.69047 [  $-(56*x^8-8*x^7-8*x^6-8*x^5-8*x^4-8*x^3-8*x^2-8*x-65)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf]  
A282114 7.04727 [  $-(72*x^9-9*x^8-9*x^7-9*x^6-9*x^5-9*x^4-9*x^3-9*x^2-9*x-82)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A282115 6.09723 [  $-(90*x^10-10*x^9-10*x^8-10*x^7-10*x^6-10*x^5-10*x^4-10*x^3-10*x^2-10*x-101)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A282121 11.2581 [  $(9*x^2+11*x+1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)$  ogf]  
A282122 10.6515 [  $-(90*x^2-11*x-1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)$  ogf]  
A282123 13.6180 [  $(x^2+3*x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A282124 14.1054 [  $-(2*x^2-3*x-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A282125 4.27051 [  $-2*x^2*(12*x^2-2*x-5)*(4*x^2-2*x+3)/(8*x^4-16*x^3+4*x^2-7*x+1)^2$  ogf]  
A282132 3.35983 [  $\{(n^3+10*n^2+33*n+36)*a(n+1)+(-n^2-7*n-12)*a(n+2)+(n+5)*a(n+3)-a(n+4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 6\}$ , ogf]  
A282137 10.5120 [  $(12*x+1)*(2*x-1)/(x-1)/(16*x^2+1)$  ogf]  
A282137 5.89035 [  $\{-a(n+3)+a(n+2)-16*a(n+1)+16*a(n), a(0) = 1, a(1) = 11, a(2) = -29\}$ , ogf]  
A282142 7.16782 [  $-(20000*x^5-200*x)/(10000*x^8-10200*x^6+301*x^4-102*x^2+1)$  lgdogf]  
A282142 9.62842 [  $(100*x^4-x^2+1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)$  ogf]  
A282153 10.7723 [  $x*(3*x^2-2*x+1)/(2*x-1)/(x-1)/(x^2-x+1)$  ogf]  
A282185 4.18968 [  $x^2*(18*x^6+48*x^5+80*x^4+58*x^3+24*x^2-8*x+1)/(6*x^3+8*x^2+8*x-1)^2$  ogf]  
A282232 6.00731 [  $-x*(7*x^5+1687*x^4+17122*x^3+29162*x^2+9887*x+455)/(x-1)^7$  ogf]  
A282284 8.18432 [  $(2*x^6-4*x^5-41*x^4-28*x^3-32*x^2-4*x-1)/(x-1)^3/(x+1)^3$  ogf]  
A282285 7.91080 [  $(2*x^6-12*x^5-105*x^4-76*x^3-96*x^2-12*x-1)/(x-1)^3/(x+1)^3$  ogf]  
A282286 7.85155 [  $(2*x^6-24*x^5-201*x^4-148*x^3-192*x^2-24*x-1)/(x-1)^3/(x+1)^3$  ogf]  
A282288 17.4203 [  $-(-304*x^15-19)/(x^16+x+1)$  lgdogf]  
A282310 10.3317 [  $-(3*x^2+4*x+4)/(3*x^3+3*x^2+3*x-1)$  ogf]  
A282310 5.52836 [  $\{-a(n+3)+3*a(n+2)+3*a(n+1)+3*a(n), a(0) = 4, a(1) = 16, a(2) = 63\}$ , ogf]  
A282327 8.16918 [  $-(9*x^4+32*x^3+54*x^2+32*x+9)/(x^6-3*x^4+3*x^2-1)$  ogf\_with\_Euler\_transform]  
A282350 18.2693 [  $-(-180*x^11-15)/(x^12+x+1)$  lgdogf]  
A282371 8.51894 [  $x^2/(3*x^3+3*x^2+3*x-1)^2$  ogf]  
A282371 9.29339 [  $-(-18*x^2-12*x-6)/(-3*x^3-3*x^2-3*x+1)$  lgdogf]  
A282393 6.67076 [  $-(4*x^5+4*x^4+2*x^3-5*x^2-4*x-4)/(4*x^6+2*x^4-7*x^3-x^2-3*x+1)$  ogf]  
A282394 3.61984 [  $-(4*x^8-58*x^7-37*x^6-36*x^5-54*x^4-25*x^3-x^2+17*x+8)/(4*x^9-62*x^8+25*x^7-61*x^6+7*x^5-29*x^4+21*x^3+5*x^2+5*x-1)$  ogf]  
A282411 7.90685 [  $(100*x^5-101*x^3+10*x^2+x+1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)$  ogf]  
A282412 7.66612 [  $(1000*x^5-1010*x^3+10*x^2+10*x+1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)$  ogf]  
A282413 9.67699 [  $(4*x^5-5*x^3+2*x^2+x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A282414 9.54622 [  $(8*x^5-10*x^3+2*x^2+2*x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A282415 8.70560 [  $(10*x^3+100*x^2-10*x-1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)/(10*x^2-1)$  ogf]  
A282416 8.91537 [  $(100*x^3+x^2-x-1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)/(10*x^2-1)$  ogf]  
A282417 10.6864 [  $(2*x^3+4*x^2-2*x-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(2*x^2-1)$  ogf]  
A282418 10.6864 [  $(4*x^3+x^2-x-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(2*x^2-1)$  ogf]

A282435 5.80499 [  $2*x^2/(4*x^6+2*x^4-7*x^3-x^2-3*x+1)^2$  ogf]  
A282435 6.86044 [  $-(48*x^5+16*x^3-42*x^2-4*x-6)/(4*x^6+2*x^4-7*x^3-x^2-3*x+1)$  lgdogf]  
A282451 9.54354 [  $-(x^3-10*x^2-x-1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)$  ogf]  
A282452 9.86235 [  $-(1000*x^3-10*x^2-10*x-1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)$  ogf]  
A282453 12.1524 [  $-(x^3-2*x^2-x-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A282454 12.0180 [  $-(8*x^3-2*x^2-2*x-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A282464 6.79317 [  $-x*(x^4-2*x^3+4*x^2-2*x+1)/(x-1)/(x+1)^2/(x^2-3*x+1)^2$  ogf]  
A282465 10.1461 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 46\}$ , ogf]  
A282465 12.2047 [  $-(-45*x^2-2*x-46)/(-45*x^3-46*x^2+44*x+1)$  lgdogf]  
A282465 18.3071 [  $-(45*x+1)/(x^2+x-1)$  ogf]  
A282466 15.1976 [  $-(-4*x+6)/(-4*x^2+9*x-5)$  lgdegf]  
A282466 16.2108 [  $-(4*x-5)/(x-1)^2$  egf]  
A282466 4.21668 [  $\{(-16*n^2-64*n-64)*a(n+1)+(-5*n^2-19*n-24)*a(n+2)+(5*n+15)*a(n+3), a(0) = 5, a(1) = 6, a(2) = 14\}$ , ogf]  
A282473 7.25136 [  $9*(x^{11}+x^{10}+11*x^9+11*x^8+11*x^7+11*x^6+11*x^5+11*x^4+11*x^3+11*x^2+11*x+10)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A282484 7.05717 [  $(8*x^{10}-5*x^6-x^5+2*x^4+12*x^3+5*x^2+3*x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(4*x^2+1)$  ogf]  
A282485 7.17979 [  $(128*x^{10}+88*x^6-32*x^5-10*x^4+3*x^3-x^2+3*x+1)/(x^2+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A282502 5.36160 [  $-(x^{21}+x^{18}+x^{15}-x^9-x^6-x^3-1)/(x^{25}+x^{22}-x^{21}-x^{18}-x^{15}-2*x^{13}-3*x^{10}+x^9-2*x^7+x^6-2*x^4+x^3-x+1)$  ogf]  
A282504 5.78746 [  $(x^{28}+x^{24}-2*x^{16}-x^{12}-x^8+1)/(x^{28}-x^{25}+x^{24}+3*x^{21}+3*x^{17}-2*x^{16}+x^{13}-x^{12}+x^9-x^8-x^5-x+1)$  ogf]  
A282513 8.98011 [  $-x*(x^3+x+1)/(x^2+1)/(x+1)/(x-1)^3$  ogf]  
A282522 8.73696 [  $-(8*x^3+6*x^2-3*x-4)/(8*x^4-2*x^3-x^2-3*x+1)$  ogf]  
A282523 4.50059 [  $-(6*x^7+4*x^6-2*x^5+13*x^4-11*x^3-25*x^2+3*x+8)/(6*x^8-2*x^7+13*x^5-24*x^4-x^3+2*x^2+5*x-1)$  ogf]  
A282554 5.26022 [  $2*x^2*(2*x-1)*(2*x-5)/(8*x^4-2*x^3-x^2-3*x+1)^2$  ogf]  
A282563 13.6401 [  $-(5*x-1)/(9*x-1)/(4*x-1)$  ogf]  
A282563 7.63198 [  $\{a(n+2)-13*a(n+1)+36*a(n), a(0) = 1, a(1) = 8\}$ , ogf]  
A282563 8.90397 [  $-(-180*x^2+72*x-8)/(-180*x^3+101*x^2-18*x+1)$  lgdogf]  
A282577 10.8868 [  $-(4*x^3+2*x)/(8*x^6-14*x^4+7*x^2-1)$  lgdogf]  
A282577 11.6007 [  $(2*x^2-1)^2/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A282579 12.2085 [  $(4*x^4-x^2+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A282579 9.79892 [  $-(32*x^5-8*x)/(16*x^8-24*x^6+13*x^4-6*x^2+1)$  lgdogf]  
A282608 6.02981 [  $(16*x^{13}-18*x^9+6*x^8-4*x^7-8*x^6+26*x^5+4*x^4+4*x^3+6*x^2+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(4*x^2+1)$  ogf]  
A282609 6.06815 [  $(512*x^{13}-288*x^9-96*x^8-32*x^7-8*x^6+22*x^5-2*x^4+2*x^3+3*x^2+1)/(x^2+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A282610 6.39452 [  $-(4*x^8+3*x^7+3*x^6+5*x^5+3*x^4+3*x^3+5*x^2+3*x+3)/(-x^9+1)$  ogf\_with\_Euler\_transform]  
A282611 5.73557 [  $-(4*x^7+3*x^6+2*x^5+3*x^4+2*x^3+x^2+2*x+1)/(-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A282612 3.87246 [  $x*(56*x^7+2365*x^6+14934*x^5+26015*x^4+14500*x^3+2499*x^2+110*x+1)/(x-1)^{10}$  ogf]  
A282613 3.50202 [  $x*(x^8+130*x^7+3640*x^6+22054*x^5+39070*x^4+22054*x^3+3640*x^2+130*x+1)/(x-1)^{10}$  ogf]  
A282614 3.64352 [  $x*(104*x^7+3577*x^6+22254*x^5+39095*x^4+21820*x^3+3711*x^2+158*x+1)/(x-1)^{10}$  ogf]  
A282621 6.28703 [  $-8*(202*x^3-61*x^2-7*x+1)/(22*x-1)/(5*x-1)/(2*x-1)/(4*x-1)/(14*x-1)$  ogf]  
A282626 3.25700 [  $\{(4*n^2+10*n+4)*a(n+1)+(-n^2-7*n-12)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = -1/3\}$ , egf]  
A282641 10.5755 [  $-(4*x^2+7*x+4)/(4*x^3+3*x^2+x-1)$  ogf]  
A282641 5.65881 [  $\{-a(n+3)+a(n+2)+3*a(n+1)+4*a(n), a(0) = 4, a(1) = 11, a(2) =$

27}], ogf]

A282642 6.30172 [  $-(2*x^5+3*x^3-3*x^2-13*x-7)/(2*x^6-2*x^5+5*x^4-8*x^3-6*x^2-2*x+1)$  ogf]

A282643 3.53881 [  $-(7*x^8-16*x^7-58*x^6-86*x^5-52*x^4+11*x^3+53*x^2+50*x+13)/(7*x^9-23*x^8-35*x^7-51*x^6-2*x^5+16*x^4+45*x^3+16*x^2+2*x-1)$  ogf]

A282654 7.24683 [  $(16*x^{11}+4*x^7-4*x^5+8*x^4+3*x^3+6*x^2+x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(4*x^2+1)$  ogf]

A282655 7.11742 [  $(128*x^{11}+32*x^7-8*x^5+2*x^4-6*x^3+3*x^2+2*x+1)/(x^2+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]

A282692 1.87666 [x^7-x^6+x^4-x^2+2 ogf\_with\_Euler\_transform]

A282702 10.2776 [{-a(n+2)+3\*a(n+1)+a(n), a(0) = 4, a(1) = 11}, ogf]

A282702 12.9249 [  $-(-x^2+8*x+11)/(-x^3+x^2+13*x-4)$  lgdogf]

A282702 18.9565 [  $(x-4)/(x^2+3*x-1)$  ogf]

A282703 12.1171 [  $-(-5*x^2-14*x-26)/(-5*x^3-22*x^2-16*x+7)$  lgdogf]

A282703 18.3102 [  $-(5*x+7)/(x^2+3*x-1)$  ogf]

A282703 9.92723 [ {a(n+2)-3\*a(n+1)-a(n), a(0) = 7, a(1) = 26}, ogf]

A282711 8.20762 [  $-(x^{17}+x^{15}+x^{13}+x^{11}-x^8-x^6-x^4-x^2-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]

A282718 4.67210 [{-a(n+4)+a(n+3)+a(n+2)+a(n+1), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 4, a(4) = 7, a(5) = 13}, ogf]

A282718 9.98421 [  $x*(x^4+x^3-2*x-1)/(x^3+x^2+x-1)$  ogf]

A282732 10.4362 [  $-(2*x^4-2*x^3+x^2+1)/(2*x^5-2*x^4+x^3-x^2+3*x-1)$  ogf]

A282737 10.5482 [  $(x^6-x^4+x^3-x-1)/(x+1)^2/(x-1)^3$  ogf]

A282738 12.9739 [  $-(x^5+x^2-2*x-1)/(x-1)^2/(x+1)^2$  ogf]

A282779 5.83446 [  $(x^{16}+2*x^{15}+3*x^{14}+4*x^{13}+5*x^{12}+6*x^{11}+7*x^{10}+8*x^9+3*x^8+8*x^7+7*x^6+6*x^5+5*x^4+4*x^3+3*x^2+2*x+1)/(x-1)^2/(x^2+x+1)^2/(x^6+x^3+1)^2$  ogf]

A282785 10.3370 [  $-(-24*x^2-12*x-2)/(-4*x^3-3*x^2-x+1)$  lgdogf]

A282785 3.46314 [ {(-4\*n-20)\*a(n+1)+(-3\*n-12)\*a(n+2)+(-n-3)\*a(n+3)+(n+2)\*a(n+4), a(0) = 0, a(1) = 0, a(2) = 8, a(3) = 16}, ogf]

A282785 9.47554 [  $8*x^2/(4*x^3+3*x^2+x-1)^2$  ogf]

A282796 9.78018 [  $(100*x^3+10*x^2+1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)$  ogf]

A282797 10.6785 [  $(10*x^3+10*x^2+1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)$  ogf]

A282798 12.8914 [  $(4*x^3+2*x^2+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]

A282799 12.7180 [  $(2*x^3+2*x^2+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]

A282800 8.35060 [  $(2*x+1)*(50*x^4-25*x^3+12*x^2-x+1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)$  ogf]

A282801 8.48884 [  $(1000*x^5-1000*x^3+10*x^2+10*x+1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)$  ogf]

A282802 10.8206 [  $(4*x^5-x^3+2*x^2+x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]

A282803 10.6757 [  $(8*x^5-8*x^3+2*x^2+2*x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]

A282816 6.56134 [  $-x^2*(x^4+4*x^3+20*x^2+4*x+1)/(x-1)^7$  ogf]

A282816 7.77169 [  $-(-3*x^4-20*x^3-112*x^2-64*x-11)/(-x^5-3*x^4-16*x^3+16*x^2+3*x+1)$  lgdogf]

A282817 10.6261 [  $-(-4*x^3-8*x^2+58*x+24)/(-x^4+11*x^2-8*x-2)$  lgdogf]

A282817 4.23913 [ {(-17\*n^2-82\*n-96)\*a(n+1)+(57\*n^2+216\*n+159)\*a(n+2)+(-40\*n^2+4\*n)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6}, ogf]

A282817 6.99085 [  $3*x^3*(x^3+x^2-10*x-2)/(x-1)^7$  ogf]

A282818 4.28882 [ { (3\*n^2+35\*n+58)\*a(n+1)+(-7\*n^2-28\*n+125)\*a(n+2)+(4\*n^2-13\*n)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2}, ogf]

A282818 6.89940 [  $-2*x^3*(20*x^3+6*x^2+3*x+1)/(x-1)^7$  ogf]

A282818 9.22594 [  $-(80*x^3+90*x^2+30*x+10)/(20*x^4-14*x^3-3*x^2-2*x-1)$  lgdogf]

A282819 6.50580 [  $-2*x^2*(x^4+4*x^3+20*x^2+4*x+1)/(x-1)^7$  ogf]

A282819 7.70590 [  $-(-3*x^4-20*x^3-112*x^2-64*x-11)/(-x^5-3*x^4-16*x^3+16*x^2+3*x+1)$  lgdogf]

A282820 3.99348 [ { (163\*n^2+848\*n+1044)\*a(n+1)+(-516\*n^2-1824\*n-432)\*a(n+2)+(353\*n^2-164\*n)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 9}, ogf]

A282820 6.84100 [  $3*x^3*(x-3)*(x^2+8*x+1)/(x-1)^7$  ogf]

A282820 9.14785 [  $-(-4*x^3-28*x^2+128*x+44)/(-x^4-4*x^3+28*x^2-20*x-3)$  lgdogf]

A282822 14.5536 [  $-(-5*x+3)/(-5*x^2+9*x-4)$  lgdegf]

A282822 15.5239 [  $(5*x-4)/(x-1)^2$  egf]

A282822 4.01480 [  $\{(-25*n^2-100*n-100)*a(n+1)+(4*n^2+53*n+93)*a(n+2)+(-4*n-12)*a(n+3), a(0) = -4, a(1) = -3, a(2) = -4\}$ , ogf]
  
A282831 7.60352 [  $x^3*(x^2+x-1)/(x^3+x^2+x-1)^3$  ogf]
  
A282831 7.91707 [  $-(-7*x^4-12*x^3+3*x^2+2*x+2)/(-x^5-2*x^4-x^3+x^2+2*x-1)$  lgdogf]
  
A282832 5.32999 [  $16*x^3*(3*x^2+x-1)/(4*x^3+3*x^2+x-1)^3$  ogf]
  
A282832 6.68862 [  $-(84*x^4+68*x^3-18*x^2-10*x-2)/(12*x^5+13*x^4+2*x^3-5*x^2-2*x+1)$  lgdogf]
  
A282848 10.7198 [  $-(x^4+x^3-3*x^2-3*x-4)/(x^2+1)/(x+1)/(x-1)^2$  ogf]
  
A282850 13.9196 [  $-x*(35*x+1)/(x-1)^3$  ogf]
  
A282850 15.5257 [  $-(-70*x-38)/(-35*x^2+34*x+1)$  lgdogf]
  
A282850 7.20837 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 38\}$ , ogf]
  
A282851 12.8475 [  $-x*(32*x+1)/(x-1)^3$  ogf]
  
A282851 14.3299 [  $-(-64*x-35)/(-32*x^2+31*x+1)$  lgdogf]
  
A282851 6.65316 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 35\}$ , ogf]
  
A282852 12.9111 [  $-x*(34*x+1)/(x-1)^3$  ogf]
  
A282852 14.4008 [  $-(-68*x-37)/(-34*x^2+33*x+1)$  lgdogf]
  
A282852 6.68610 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 37\}$ , ogf]
  
A282853 12.9111 [  $-x*(33*x+1)/(x-1)^3$  ogf]
  
A282853 14.4008 [  $-(-66*x-36)/(-33*x^2+32*x+1)$  lgdogf]
  
A282853 6.68610 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 36\}$ , ogf]
  
A282854 12.7839 [  $-x*(31*x+1)/(x-1)^3$  ogf]
  
A282854 14.2589 [  $-(-62*x-34)/(-31*x^2+30*x+1)$  lgdogf]
  
A282854 6.62022 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 34\}$ , ogf]
  
A282856 7.18183 [  $-(x+1)*(x^3+x^2+3*x+4)/(x^5+x^4+3*x^3+4*x^2+x-1)$  ogf]
  
A282871 7.84392 [  $(100*x^6+9*x^4+90*x^3-89*x^2-x+1)/(10*x-1)/(10*x+1)/(x-1)$  ogf]
  
A282879 4.72654 [  $2*x*(2*x+1)*(x^3+x^2+1)/(x^5+x^4+3*x^3+4*x^2+x-1)^2$  ogf]
  
A282911 6.91094 [  $(10*x^5-100*x^4+990*x^3+100*x^2+10*x+1)/(x-1)/(10*x+1)/(10*x-1)/(100*x^2+1)$  ogf]
  
A282912 7.42559 [  $(10000*x^5-100*x^4-99*x^3+x^2+x+1)/(x-1)/(10*x-1)/(x+1)/(x^2+1)$  ogf]
  
A282913 8.84175 [  $(2*x^5-4*x^4+6*x^3+4*x^2+2*x+1)/(x-1)/(2*x+1)/(2*x-1)/(4*x^2+1)$  ogf]
  
A282914 8.90391 [  $(16*x^5-4*x^4-3*x^3+x^2+x+1)/(x-1)/(2*x-1)/(x+1)/(x^2+1)$  ogf]
  
A282915 6.66291 [  $-(1000*x^10-10989*x^6-x^5+9890*x^4-1)/(x-1)/(10*x+1)/(10*x-1)/(x+1)/(100*x^2+1)$  ogf]
  
A282916 6.39075 [  $-(10000000*x^10+1098900*x^6-100000*x^5-1099*x^4-1)/(x+1)/(x-1)/(10*x+1)/(10*x-1)/(x^2+1)$  ogf]
  
A282917 8.48100 [  $-(8*x^10-21*x^6-x^5+10*x^4-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(4*x^2+1)$  ogf]
  
A282918 8.82977 [  $-(128*x^10+84*x^6-32*x^5-11*x^4-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)/(x^2+1)$  ogf]
  
A282928 17.1771 [  $-40*x^6-41/(x-1)$  ogf\_with\_Euler\_transform]
  
A282931 18.4158 [  $-52*x^6-53/(x-1)$  ogf\_with\_Euler\_transform]
  
A282932 18.5809 [  $-56*x^6-57/(x-1)$  ogf\_with\_Euler\_transform]
  
A282937 11.3066 [  $-(-5*x^4-6*x^3-6*x^2-6*x-6)/(x^5-1)$  ogf\_with\_Euler\_transform]
  
A282942 8.97620 [  $-(-7*x^6-8*x^5-8*x^4-8*x^3-8*x^2-8*x-8)/(x^7-1)$  ogf\_with\_Euler\_transform]
  
A282948 3.68129 [  $\{(-4*n^2-25*n-39)*a(n+1)+(8*n^2+48*n+112)*a(n+2)+(-4*n^2-23*n-33)*a(n+3), a(0) = 162401, a(1) = 2598416, a(2) = 13154481\}$ , ogf]
  
A282948 6.72088 [  $-162401*(x+1)*(x^2+10*x+1)/(x-1)^5$  ogf]
  
A282948 9.51397 [  $-(2*x^3+36*x^2+66*x+16)/(x^4+10*x^3-10*x-1)$  lgdogf]
  
A282971 11.4648 [  $-(x-1)*(x^2+x+1)*(x+1)*(x^2-x+1)*(x^2+1)*(x^4-x^2+1)*(x^4+1)/(x^8-x^4+1)/(x^26-x^24-x^17-x^13-x^5-x^2+1)$  ogf]
  
A282990 9.91596 [  $-(x^3+x^2-3*x-4)/(x^4-3*x^2-2*x+1)$  ogf]
  
A282991 3.80080 [  $-(x^8-3*x^6-11*x^5-16*x^4+7*x^3+27*x^2+19*x+7)/(x+1)/$



$(x^8-2x^7-x^6-9x^5+13x^3+7x^2+3x-1)$  ogf]  
A283002 4.32181 [ -  
 $(396x^{48}+297x^{47}+40x^{46}+76x^{45}+68x^{44}+60x^{43}+52x^{42}+44x^{41}+36x^{40}+28x^{39}+20x^{38}+12x^{37}+4)/(495x^{48}-297x^{47}-40x^{46}+11x^{45}+44x^{44}-4)$  ogf]  
A283036 7.25132 [  $-4x^*(x-1)*(x+1)/(x^4-3x^2-2x+1)^2$  ogf]  
A283036 7.33189 [  $-(6x^5-14x^3+10x+4)/(x^6-4x^4-2x^3+4x^2+2x-1)$  lgdogf]  
A283049 4.65633 [  $\{(-256n^3-1920n^2-4784n-3960)*a(n+1)+(27n^3+216n^2+519n+330)*a(n+2), a(0) = 0, a(1) = 4\}$ , ogf]  
A283070 10.6830 [  $-(-20x^2+16x-5)/(-20x^3+33x^2-15x+2)$  lgdogf]  
A283070 16.0244 [  $-2*(5x-2)/(4x-1)/(x-1)$  ogf]  
A283070 8.88101 [  $\{a(n+2)-5a(n+1)+4a(n), a(0) = 4, a(1) = 10\}$ , ogf]  
A283094 3.61230 [  $-2x^2*(x^7-x^6-x^5+2x^4-3x^3+4x^2+4x-3)/(x^4-3x^2-2x+1)^3$  ogf]  
A283114 5.29104 [  $-x^3*(3x^6+10x^5+16x^4+20x^3+8x^2+2x+1)/(x^2+x+1)/(x+1)^3/(x-1)^7$  ogf]  
A283120 17.2523 [  $-(8x+15)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A283121 15.0845 [  $-(-9x^2-13x-13)/(-x^3+1)$  ogf\_with\_Euler\_transform]  
A283124 7.17624 [  $-(x+2)*(x^3-x-2)/(x^5+x^4-2x^3-2x^2-3x+1)$  ogf]  
A283125 3.71327 [  $-(2x^8+5x^7-12x^6-33x^5-2x^4+32x^3+37x^2+17x+8)/(2x^9+3x^8-15x^7-20x^6+12x^5+18x^4+25x^3+7x^2+5x-1)$  ogf]  
A283149 4.98137 [  $-(6x^{95}+3x^{94}+4x^{93}+8x^{92}+4x^{91}+4x^{90}+3x^{89}-x^{88}-x^{87}+2x^{86}-x^{85}-x^{84}-x^{83}-4x^{82}-2x^{81}-1)/(x^{96}+x^{95}+x^{94}-4x^{90}-3x^{83}+x^{82}+x+1)$  ogf]  
A283163 16.4096 [  $-(-4x-7)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A283164 10.2200 [  $-(-6x^5-12x^4-8x^3-9x^2-8x-12)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A283168 17.6683 [  $-(-8x-15)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A283169 13.5523 [  $-(-9x^2-13x-13)/(x^3-1)$  ogf\_with\_Euler\_transform]  
A283197 5.04019 [  $-2x^2*(x+1)*(2x^2+3x-3)/(x^5+x^4-2x^3-2x^2-3x+1)^2$  ogf]  
A283207 5.86701 [  $-2*(x^{23}-x^{21}+x^{20}-x^{18}+2x^{17}-x^{16}+x^{14}-x^{13}-x^{12}+2x^{11}+x^2+1)/(x-1)$  ogf]  
A283214 9.83106 [  $(11x^3+10x+1)/(x+1)/(x-1)/(10x+1)/(10x-1)/(x^2+1)$  ogf]  
A283215 9.61428 [  $(1100x^3+x+1)/(x-1)/(10x+1)/(10x-1)/(x+1)/(100x^2+1)$  ogf]  
A283216 12.3694 [  $(3x^3+2x+1)/(x-1)/(2x+1)/(2x-1)/(x+1)/(x^2+1)$  ogf]  
A283217 11.5125 [  $(12x^3+x+1)/(x-1)/(2x+1)/(2x-1)/(x+1)/(4x^2+1)$  ogf]  
A283224 12.7786 [  $-(5x^2+8x+5)/(-x^4+2x^2-1)$  ogf\_with\_Euler\_transform]  
A283238 9.45267 [  $-(10x^4+20x^3+27x^2+20x+10)/(-x^6+2x^3-1)$  ogf\_with\_Euler\_transform]  
A283242 12.4480 [  $-(-5x^2-8x-5)/(-x^4+2x^2-1)$  ogf\_with\_Euler\_transform]  
A283243 9.28938 [  $-(-10x^4-20x^3-27x^2-20x-10)/(-x^6+2x^3-1)$  ogf\_with\_Euler\_transform]  
A283263 13.5506 [  $-(-x-1)/(x^3-3x^2+3x-1)$  ogf\_with\_Euler\_transform]  
A283264 10.5411 [  $-(-x^2-4x-1)/(-x^4+4x^3-6x^2+4x-1)$  ogf\_with\_Euler\_transform]  
A283271 7.95679 [  $-(-x^3-11x^2-11x-1)/(x^5-5x^4+10x^3-10x^2+5x-1)$  ogf\_with\_Euler\_transform]  
A283276 4.87460 [  $-(x^7+x^5+x^4+x^3-x^2-3x-4)/(x^8-x^7+2x^6-x^5+2x^4-3x^3-x^2-3x+1)$  ogf]  
A283323 14.9803 [  $-(2x^3-2x-1)/(x-1)/(2x+1)/(2x-1)$  ogf]  
A283323 6.87066 [  $\{a(n+4)-a(n+3)-4a(n+2)+4a(n+1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 13\}$ , ogf]  
A283323 8.54017 [  $-(-8x^4+12x^3+10x^2-8x-3)/(-8x^6+8x^5+10x^4-6x^3-6x^2+x+1)$  lgdogf]  
A283329 6.51012 [  $-(5x^8+13x^7+33x^6-38x^5-46x^4-50x^3+x^2+x+1)/(x-1)/(x^2+x+1)/(x^6-50x^3+1)$  ogf]  
A283330 4.97099 [ -  
 $(6x^{11}+16x^{10}+41x^9+106x^8-112x^7-137x^6-147x^5-152x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+1)/(x^8-152x^4+1)$  ogf]  
A283336 6.26875 [  $-(-x^4-26x^3-66x^2-26x-1)/(-x^6+6x^5-15x^4+20x^3-15x^2+6x-1)$  ogf\_with\_Euler\_transform]  
A283337 5.11869 [  $-(x^5+57x^4+302x^3+302x^2+57x+1)/(-x^7+7x^6-21x^5+35x^4-35x^3+21x^2-7x+1)$  ogf\_with\_Euler\_transform]

A283348 7.33170 [  $(10000*x^6-9000*x^4-90*x^3+109*x^2-10*x+1)/(x-1)/(10*x-1)/(x+1)$  ogf]  
A283349 9.45305 [  $(4*x^6+x^4+2*x^3-x^2-x+1)/(x-1)/(2*x+1)/(2*x-1)$  ogf]  
A283350 9.14393 [  $(16*x^6-8*x^4-2*x^3+5*x^2-2*x+1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A283351 4.96389 [  $\{-a(n+4)+a(n+3)+100*a(n+2)-100*a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 111\}$ , ogf]  
A283351 9.38379 [  $(110*x^3-100*x^2+1)/(x-1)/(10*x+1)/(10*x-1)$  ogf]  
A283352 10.1160 [  $(110*x^3-x^2+1)/(x-1)/(10*x-1)/(x+1)$  ogf]  
A283352 4.98575 [  $\{-a(n+4)+10*a(n+3)+a(n+2)-10*a(n+1), a(0) = 1, a(1) = 10, a(2) = 100, a(3) = 1110\}$ , ogf]  
A283353 11.9419 [  $(2*x+1)*(3*x^2-2*x+1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A283353 5.83628 [  $\{-a(n+4)+2*a(n+3)+a(n+2)-2*a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 14\}$ , ogf]  
A283353 7.39262 [  $-(4*x^4+24*x^3-14*x^2-2)/(12*x^6-8*x^5-11*x^4+10*x^3-2*x^2-2*x+1)$  lgdogf]  
A283355 6.84319 [  $(100*x^7+9*x^5-10*x^4+11*x^3-10*x^2+9*x+1)/(x-1)/(10*x+1)/(10*x-1)$  ogf]  
A283356 6.47304 [  $(100000*x^7-90000*x^5-1000*x^4+1100*x^3-10*x^2-9*x+1)/(x-1)/(10*x-1)/(x+1)$  ogf]  
A283357 8.64527 [  $(4*x^7+x^5-2*x^4+3*x^3-2*x^2+x+1)/(x-1)/(2*x+1)/(2*x-1)$  ogf]  
A283358 8.26491 [  $(32*x^7-16*x^5-8*x^4+12*x^3-2*x^2-x+1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A283393 8.37465 [  $-(10*x^9+x^8+2*x^7+5*x^6+2*x^5+5*x^4+2*x^3+x^2+10*x+1)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf]  
A283394 12.8338 [  $(-2*x^2+10*x+19)/(-2*x^3+9*x^2-3*x-4)$  lgdogf]  
A283394 13.8858 [  $(2*x+1)*(x-4)/(x-1)^3$  ogf]  
A283394 7.43011 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 4, a(1) = 19, a(2) = 43\}$ , ogf]  
A283409 6.74299 [  $-(x^4+x^3+x^2+4*x+4)/(x^5+x^4+x^3+3*x^2+3*x-1)$  ogf]  
A283410 5.10019 [  $(x+1)*(2*x^5-x^4+3*x^3+6*x^2-13*x-8)/(2*x^5+x^4+10*x^3+13*x^2+5*x-1)$  ogf]  
A283437 8.16029 [  $-(x+1)*(x^5-x^3+1)/(x-1)/(x^2+x+1)/(x^4-x^2+1)$  ogf]  
A283439 6.31781 [  $-(x^6-2*x^5+3*x^4-2*x^3+5*x-1)/(x+1)/(x^2-x+1)^3$  ogf]  
A283442 6.99509 [  $x*(5*x^8+10*x^7+15*x^6+20*x^5+x^4+20*x^3+15*x^2+10*x+5)/(x-1)^2/(x^4+x^3+x^2+x+1)^2$  ogf]  
A283443 6.23832 [  $x*(6*x^{10}+3*x^9+2*x^8+6*x^7+30*x^6+x^5+30*x^4+6*x^3+2*x^2+3*x+6)/(x-1)^2/(x^2+x+1)^2/(x+1)^2/(x^2-x+1)^2$  ogf]  
A283444 5.28378 [  $x*(7*x^{12}+14*x^{11}+21*x^{10}+28*x^9+35*x^8+42*x^7+x^6+42*x^5+35*x^4+28*x^3+21*x^2+14*x+7)/(x-1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)^2$  ogf]  
A283456 8.77529 [  $-(59*x^3-85*x^2+37*x-5)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A283457 5.03725 [  $-(2034*x^5-3797*x^4+2589*x^3-822*x^2+123*x-7)/(x-1)/(6*x-1)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A283488 4.53678 [  $-2*x^2*(x^2+x+1)*(x^2+x-1)/(x^5+x^4+x^3+3*x^2+3*x-1)^2$  ogf]  
A283504 5.01459 [  $\{-a(n+4)+10*a(n+3)+a(n+2)-10*a(n+1), a(0) = 1, a(1) = 0, a(2) = 101, a(3) = 1100\}$ , ogf]  
A283504 9.10545 [  $(100*x^3+100*x^2-10*x+1)/(x-1)/(10*x-1)/(x+1)$  ogf]  
A283505 5.18451 [  $\{a(n+4)-a(n+3)-100*a(n+2)+100*a(n+1), a(0) = 1, a(1) = 0, a(2) = 101, a(3) = 11\}$ , ogf]  
A283505 9.66841 [  $(10*x^3+x^2-x+1)/(x-1)/(10*x+1)/(10*x-1)$  ogf]  
A283506 11.1990 [  $(4*x^3+4*x^2-2*x+1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A283506 5.85401 [  $\{a(n+4)-2*a(n+3)-a(n+2)+2*a(n+1), a(0) = 1, a(1) = 0, a(2) = 5, a(3) = 12\}$ , ogf]  
A283506 8.13399 [  $(-(-12*x^4-8*x^3-4*x^2+10*x)/(-8*x^6-4*x^5+16*x^4-7*x^2+4*x-1))$  lgdogf]  
A283507 11.2946 [  $(2*x^3+x^2-x+1)/(x-1)/(2*x+1)/(2*x-1)$  ogf]  
A283507 5.94905 [  $\{a(n+4)-a(n+3)-4*a(n+2)+4*a(n+1), a(0) = 1, a(1) = 0, a(2) = 5, a(3) = 3\}$ , ogf]  
A283507 7.49352 [  $(-(-12*x^4+4*x^3-11*x^2+10*x)/(-8*x^6+4*x^5+10*x^4-9*x^3+2*x^2+2*x-1))$  lgdogf]  
A283508 12.6910 [  $(x^2-x+1)/(10*x-1)/(x-1)$  ogf]

A283508 6.52341 [ $[-a(n+3)+11a(n+2)-10a(n+1), a(0) = 1, a(1) = 10, a(2) = 101]$ , ogf]  
A283508 8.94878 [ $[-(x^2+18x-10)/(10x^4-21x^3+22x^2-12x+1) \text{ lgdogf}]$   
A283514 3.79984 [ $-(81000000000x^8+6300000000x^7+549000000x^6+46800000x^5+3870000x^4+306000x^3+22500x^2-560x+3)/(x-1)/(100x-1)^2$  ogf]  
A283523 10.0354 [ $[-(2x^5+x^4+x^3-7x^2+3x-1)/(2x-1)/(x-1)$  ogf]  
A283538 5.73652 [ $[-(x-1)(8x^4+12x^3-2x^2-x+7)/(8x^6-4x^5-10x^4+7x^3+x^2-5x+1)$  ogf]  
A283539 3.81045 [ $[-(16x^7+6x^6-95x^5-43x^4+43x^3-8x^2-2x+13)/(16x^8-10x^7-85x^6+26x^5+27x^4-14x^3+10x^2+6x-1)$  ogf]  
A283544 5.54731 [ $[-(2x^5-9x^4-5x^3-5x^2-17x-8)/(2x^6-11x^5+6x^4-11x^3-7x^2-2x+1)$  ogf]  
A283545 3.60084 [ $[-(145x^7+95x^6+25x^5-7x^4-89x^3-73x^2-66x-16)/(145x^8-50x^7+75x^6-82x^5-24x^4-62x^3-19x^2-2x+1)$  ogf]  
A283573 7.57783 [ $[-(-180x^3-129x^2-33x-13)/(-36x^4-35x^3-15x^2+7x+2)$  lgdogf]  
A283573 7.93444 [ $2x(9x+2)/(4x^3+3x^2+x-1)^2$  ogf]  
A283583 5.22084 [ $(10x^{11}+4x^{10}-120x^9-16x^8+166x^7+60x^6+40x^5+16x^4+10x^3+4x^2+3x+1)/(x-1)/(2x+1)/(2x-1)/(x+1)/(4x^2+1)/(16x^4+1)$  ogf]  
A283584 5.43250 [ $[-(256x^{11}-256x^{10}+84x^9+16x^8-47x^7+15x^6+x^5-x^4+x^3-x^2-3x-1)/(x-1)/(2x+1)/(2x-1)/(x+1)/(x^4+1)/(x^2+1)$  ogf]  
A283587 5.07110 [ $-(16x^{12}-160x^{11}+64x^{10}+128x^9-106x^8-60x^7-24x^6-24x^5-16x^4-6x^3-4x^2-2x-1)/(x-1)/(2x+1)/(2x-1)/(4x^2+1)/(16x^4+1)$  ogf]  
A283588 5.36788 [ $[-(256x^{12}-80x^{11}+16x^{10}+4x^9-77x^8+15x^7+3x^6-x^5-x^4+3x^3-x^2-x-1)/(x-1)/(2x-1)/(x+1)/(x^4+1)/(x^2+1)$  ogf]  
A283589 5.08834 [ $\{a(n+5)-11a(n+4)+10a(n+3), a(0) = 1, a(1) = 0, a(2) = 101, a(3) = 1110, a(4) = 11110\}$ , ogf]  
A283589 9.22685 [ $-(90x^4+x^3-111x^2+11x-1)/(10x-1)/(x-1)$  ogf]  
A283590 5.33927 [ $\{a(n+5)-11a(n+4)+10a(n+3), a(0) = 1, a(1) = 0, a(2) = 101, a(3) = 111, a(4) = 1111\}$ , ogf]  
A283590 9.05648 [ $(900x^4-1000x^3+111x^2-11x+1)/(10x-1)/(x-1)$  ogf]  
A283591 11.1990 [ $-(2x^4+x^3-7x^2+3x-1)/(2x-1)/(x-1)$  ogf]  
A283591 6.08448 [ $\{a(n+5)-3a(n+4)+2a(n+3), a(0) = 1, a(1) = 0, a(2) = 5, a(3) = 14, a(4) = 30\}$ , ogf]  
A283592 11.3968 [ $(4x^4-8x^3+7x^2-3x+1)/(2x-1)/(x-1)$  ogf]  
A283592 6.24110 [ $\{a(n+5)-3a(n+4)+2a(n+3), a(0) = 1, a(1) = 0, a(2) = 5, a(3) = 7, a(4) = 15\}$ , ogf]  
A283608 5.81492 [ $(45x^{11}+x^{10}+x^9+x^8+x^7+x^6+5x^5+10x^4+10x^3+10x^2+10x+5)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A283635 4.91076 [ $-4x^3(45x^3+9x^2-5x+9)/(4x^3+3x^2+x-1)^3$  ogf]  
A283641 10.4180 [ $-(10x^2-10x-1)/(x-1)/(10x+1)/(10x-1)$  ogf]  
A283641 5.86559 [ $\{a(n+3)-a(n+2)-100a(n+1)+100a(n), a(0) = 1, a(1) = 11, a(2) = 101\}$ , ogf]  
A283642 12.5627 [ $-(4x^2+4x+3)/(4x^3+4x^2-x-1)$  lgdogf]  
A283642 17.8669 [ $-(2x+1)/(x+1)/(2x-1)$  ogf]  
A283642 9.80500 [ $\{a(n+2)-a(n+1)-2a(n), a(0) = 1, a(1) = 3\}$ , ogf]  
A283646 5.05667 [ $(256x^{15}-128x^{11}+128x^{10}-128x^9+152x^7+72x^6+40x^5+16x^4+10x^3+4x^2+3x+1)/(x-1)/(2x+1)/(2x-1)/(x+1)/(4x^2+1)/(16x^4+1)$  ogf]  
A283647 5.62245 [ $(128x^{15}+8x^{11}+8x^{10}-4x^9+7x^7+9x^6-x^5+x^4-x^3+x^2+3x+1)/(x-1)/(2x+1)/(2x-1)/(x+1)/(x^4+1)/(x^2+1)$  ogf]  
A283648 7.44101 [ $(110x^5-21x^4+x^3+110x^2-10x+1)/(x-1)/(10x-1)/(x+1)$  ogf]  
A283649 7.08378 [ $(11000x^5-12000x^4+1000x^3+11x^2-x+1)/(x-1)/(10x+1)/(10x-1)$  ogf]  
A283650 9.09093 [ $(6x^5-5x^4+x^3+6x^2-2x+1)/(x-1)/(2x-1)/(x+1)$  ogf]  
A283651 8.95777 [ $(24x^5-32x^4+8x^3+3x^2-x+1)/(x-1)/(2x+1)/(2x-1)$  ogf]  
A283660 5.26012 [ $4x^4(2x-1)/(4x^3-2x^2+4x-1)^3$  ogf]  
A283660 7.61171 [ $[-(-64x^3+56x^2-28x+10)/(-8x^4+8x^3-10x^2+6x-1)$  lgdogf]

A283678 5.48110 [  $\{(16^n \cdot 3 + 72 \cdot n^2 + 108 \cdot n + 54) \cdot a(n+1) + (-n-2) \cdot a(n+2), a(0) = 1, a(1) = 2\}$ , ogf]
  
A283679 4.29708 [  $-x \cdot (x^2 + x - 1) \cdot (x^4 + 3 \cdot x^3 - x^2 - 3 \cdot x + 1) / (x^8 + 7 \cdot x^7 + 10 \cdot x^6 - 13 \cdot x^5 - 21 \cdot x^4 + 13 \cdot x^3 + 10 \cdot x^2 - 7 \cdot x + 1)$  ogf]
  
A283692 6.72800 [  $-(8 \cdot x^4 + 14 \cdot x^3 + 3 \cdot x^2 - 4 \cdot x - 4) / (2 \cdot x^2 + x + 1) / (4 \cdot x^3 + x^2 - 4 \cdot x + 1)$  ogf]
  
A283707 7.95418 [  $-(90 \cdot x^5 - 109 \cdot x^4 + 120 \cdot x^3 - 121 \cdot x^2 + 11 \cdot x - 1) / (10 \cdot x - 1) / (x - 1)$  ogf]
  
A283708 7.98341 [  $(9000 \cdot x^5 - 8900 \cdot x^4 - 210 \cdot x^3 + 121 \cdot x^2 - 11 \cdot x + 1) / (10 \cdot x - 1) / (x - 1)$  ogf]
  
A283709 10.0354 [  $-(2 \cdot x^5 - 5 \cdot x^4 + 8 \cdot x^3 - 9 \cdot x^2 + 3 \cdot x - 1) / (2 \cdot x - 1) / (x - 1)$  ogf]
  
A283712 5.41089 [  $(110000 \cdot x^8 - 10000 \cdot x^7 + 1000 \cdot x^6 - 1000 \cdot x^4 + 1000 \cdot x^3 + 90 \cdot x^2 + 10 \cdot x + 1) / (x - 1) / (10 \cdot x + 1) / (10 \cdot x - 1) / (100 \cdot x^2 + 1)$  ogf]
  
A283713 6.12285 [  $(11000 \cdot x^8 - 1000 \cdot x^7 + 1000 \cdot x^6 - 10 \cdot x^4 + x^3 - 9 \cdot x^2 + x + 1) / (x - 1) / (10 \cdot x - 1) / (x + 1) / (x^2 + 1)$  ogf]
  
A283716 5.28866 [  $\{-a(n+3) + 32 \cdot a(n+2) - 139 \cdot a(n+1) + 108 \cdot a(n), a(0) = 3, a(1) = 32, a(2) = 746\}$ , ogf]
  
A283716 9.19767 [  $-(139 \cdot x^2 - 64 \cdot x + 3) / (x - 1) / (27 \cdot x - 1) / (4 \cdot x - 1)$  ogf]
  
A283727 4.94088 [  $2 \cdot x^2 \cdot (2 \cdot x + 1) \cdot (2 \cdot x - 1) \cdot (4 \cdot x^2 - 5) / (2 \cdot x^2 + x + 1)^2 / (4 \cdot x^3 + x^2 - 4 \cdot x + 1)^2$  ogf]
  
A283752 7.69082 [  $(2 \cdot x^2 + 1) \cdot (24 \cdot x^6 - 8 \cdot x^5 - 8 \cdot x^4 + 4 \cdot x^3 + 2 \cdot x + 1) / (x - 1) / (2 \cdot x + 1) / (2 \cdot x - 1) / (4 \cdot x^2 + 1)$  ogf]
  
A283811 7.26957 [  $-(x - 1) \cdot (18 \cdot x^2 - 13 \cdot x - 1) / (6 \cdot x - 1) / (4 \cdot x - 1) / (3 \cdot x - 1) / (2 \cdot x - 1) / (5 \cdot x - 1)$  ogf]
  
A283812 4.90740 [  $-(120 \cdot x^3 - 38 \cdot x^2 - 39 \cdot x - 1) \cdot (x - 1)^2 / (6 \cdot x - 1) / (4 \cdot x - 1) / (3 \cdot x - 1) / (2 \cdot x - 1) / (7 \cdot x - 1) / (5 \cdot x - 1)$  ogf]
  
A283813 4.71890 [  $(x - 1) \cdot (1200 \cdot x^4 - 1546 \cdot x^3 + 371 \cdot x^2 + 94 \cdot x + 1) / (6 \cdot x - 1) / (4 \cdot x - 1) / (3 \cdot x - 1) / (2 \cdot x - 1) / (8 \cdot x - 1) / (7 \cdot x - 1) / (5 \cdot x - 1)$  ogf]
  
A283834 13.7468 [  $-1 / (x + 1) / (x^2 + 1) / (x^3 + x^2 + x - 1)$  ogf]
  
A283834 7.39217 [  $-(6 \cdot x^5 + 10 \cdot x^4 + 12 \cdot x^3 + 6 \cdot x^2 + 2 \cdot x) / (x^6 + 2 \cdot x^5 + 3 \cdot x^4 + 2 \cdot x^3 + x^2 - 1)$  lgdogf]
  
A283835 10.2386 [  $-1 / (x^4 + x^3 + x^2 + x + 1) / (x^4 + x^3 + x^2 + x - 1)$  ogf]
  
A283836 8.87917 [  $-1 / (x + 1) / (x^2 + x + 1) / (x^2 - x + 1) / (x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf]
  
A283837 7.43248 [  $-1 / (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) / (x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)$  ogf]
  
A283842 10.3513 [  $x^3 \cdot (3 \cdot x - 2) / (2 \cdot x - 1) / (5 \cdot x^2 - 5 \cdot x + 1) / (x - 1)^2$  ogf]
  
A283842 7.55368 [  $-(120 \cdot x^4 - 295 \cdot x^3 + 267 \cdot x^2 - 105 \cdot x + 15) / (30 \cdot x^5 - 95 \cdot x^4 + 116 \cdot x^3 - 68 \cdot x^2 + 19 \cdot x - 2)$  lgdogf]
  
A283852 4.21399 [  $-(32 \cdot x^7 - 72 \cdot x^6 + 4 \cdot x^5 + 24 \cdot x^4 + 56 \cdot x^3 + 2 \cdot x^2 - 5 \cdot x - 8) / (32 \cdot x^8 - 88 \cdot x^7 + 48 \cdot x^6 + 2 \cdot x^5 + 50 \cdot x^4 - 19 \cdot x^3 + 2 \cdot x^2 - 7 \cdot x + 1)$  ogf]
  
A283858 8.10342 [  $-(6 \cdot x^3 + 9 \cdot x^2 + 4 \cdot x + 4) / (6 \cdot x^4 + 7 \cdot x^3 + x^2 + 3 \cdot x - 1)$  ogf]
  
A283878 8.83815 [  $-x \cdot (x^6 + x^5 + x^4 - x^3 - x^2 - 3 \cdot x - 2) / (x^2 + x + 1)^2 / (x - 1)^2$  ogf]
  
A283879 5.59449 [  $-(x^{10} + 3 \cdot x^9 - 3 \cdot x^8 - 2 \cdot x^7 - 4 \cdot x^5 + 5 \cdot x^4 - 3 \cdot x^2 + 3 \cdot x - 4) / (x + 1) / (x - 1)^2 / (x^2 + 1)^2$  ogf]
  
A283891 7.33192 [  $-(10000 \cdot x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - 9973 \cdot x - 28) / (x + 1) / (x^4 + 1) / (x^2 + 1) / (x - 1)^2$  ogf]
  
A283892 7.33192 [  $-(10001 \cdot x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - 9974 \cdot x - 28) / (x + 1) / (x^4 + 1) / (x^2 + 1) / (x - 1)^2$  ogf]
  
A283896 11.3148 [  $\{-a(n+3) + a(n+1), a(0) = 91, a(1) = 2, a(2) = 180\}$ , ogf]
  
A283896 12.9525 [  $-(2 \cdot x^2 + 360 \cdot x + 2) / (89 \cdot x^4 + 2 \cdot x^3 + 2 \cdot x^2 - 2 \cdot x - 91)$  lgdogf]
  
A283896 19.3017 [  $-(89 \cdot x^2 + 2 \cdot x + 91) / (x - 1) / (x + 1)$  ogf]
  
A283897 14.6112 [  $-(91 \cdot x^2 + 2 \cdot x + 93) / (x - 1) / (x + 1)$  ogf]
  
A283897 8.56517 [  $\{-a(n+3) + a(n+1), a(0) = 93, a(1) = 2, a(2) = 184\}$ , ogf]
  
A283897 9.80487 [  $-(2 \cdot x^2 + 368 \cdot x + 2) / (91 \cdot x^4 + 2 \cdot x^3 + 2 \cdot x^2 - 2 \cdot x - 93)$  lgdogf]
  
A283898 7.05394 [  $-4 \cdot (x^7 + 78 \cdot x^6 + x^5 + 156 \cdot x^4 - 2 \cdot x^3 - 78 \cdot x^2 - x - 156) / (x - 1)^2 / (x + 1)^2 / (x^2 + 1)^2$  ogf]
  
A283899 7.05394 [  $-4 \cdot (x^7 + 100 \cdot x^6 + x^5 + 200 \cdot x^4 - 2 \cdot x^3 - 100 \cdot x^2 - x - 200) / (x - 1)^2 / (x + 1)^2 / (x^2 + 1)^2$  ogf]
  
A283900 6.79465 [  $-2 \cdot (2 \cdot x^7 + 385 \cdot x^6 + 2 \cdot x^5 + 770 \cdot x^4 - 4 \cdot x^3 - 385 \cdot x^2 - 2 \cdot x - 770) / (x - 1)^2 / (x + 1)^2 / (x^2 + 1)^2$  ogf]
  
A283901 4.98285 [  $(4 \cdot x^{12} - 307 \cdot x^{11} - 311 \cdot x^9 + 303 \cdot x^8 - 8 \cdot x^7 - 307 \cdot x^6 + 307 \cdot x^5 - 622 \cdot x^4 + 315 \cdot x^3 + 311 \cdot x^2 + 4 \cdot x + 315) / (x - 1)^2 / (x + 1)^2 / (x^2 + 1)^2$  ogf]
  
A283902 7.26563 [  $-2 \cdot (351 \cdot x^7 + 2 \cdot x^6 + 702 \cdot x^5 + 2 \cdot x^4 - 351 \cdot x^3 - 2 \cdot x^2 - 702 \cdot x - 4) / (x - 1)^2 / (x + 1)^2 / (x^2 + 1)^2$  ogf]

A283905 7.91702 [  $(24x^8-8x^7+8x^6-2x^4+x^3-x^2+x+1)/(x-1)/(2x-1)/(x+1)/(x^2+1)$  ogf]  
A283951 5.54765 [  $2x^2(x+1)^2/(6x^4+7x^3+x^2+3x-1)^2$  ogf]  
A283958 6.25757 [  $-(4x^8+10x^7+25x^6-33x^5-39x^4-42x^3+x^2+x+1)/(x-1)/(x^2+x+1)/(x^6-42x^3+1)$  ogf]  
A283959 4.90303 [ -  
 $(5x^{11}+13x^{10}+33x^9+85x^8-99x^7-119x^6-127x^5-131x^4+x^3+x^2+x+1)/(x-1)/(x+1)/(x^2+1)/(x^8-131x^4+1)$  ogf]  
A283971 8.75661 [  $x(x^6+x^5+3x^4+4x^3+3x^2+x+1)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]  
A284016 32.5002 [  $2/(4x-1)$  lgdogf]  
A284016 8.75007 [  $\{(n+2)a(n+2)+(-2-4^n)a(n+1), a(0) = -1, a(1) = 2\}$ , ogf]  
A284032 3.56429 [  $(12096x^5-9336x^4-3670x^3+2855x^2+214x+1)(x-1)^2/(6x-1)/(4x-1)/(3x-1)/(9x-1)/(2x-1)/(8x-1)/(7x-1)/(5x-1)$  ogf]  
A284092 9.82968 [  $-(x^{14}-x^{13}+x^8+x^6-x+1)/(x^{16}-1)$  ogf\_with\_Euler\_transform]  
A284093 8.93182 [  $-(-x^{14}+x^{13}-x^6)/(-x^{16}+1)$  ogf\_with\_Euler\_transform]  
A284095 11.4620 [  $-(x^8-x+1)/(x^{16}-1)$  ogf\_with\_Euler\_transform]  
A284122 10.0299 [  $-(-x^5-x^4-6x^3+6x^2+2x-2)/(-x^6+x^4+2x^2-3x+1)$  lgdogf]  
A284122 13.1900 [  $2x(x^3+x-1)/(x^2+x-1)/(x-1)^2$  ogf]  
A284122 4.88765 [  $\{(n-1)a(n)+a(n+1)+(-2n+3)a(n+2)+(n-2)a(n+3), a(0) = 0, a(1) = 2, a(2) = 4, a(3) = 8, a(4) = 12, a(5) = 18\}$ , ogf]  
A284125 4.98964 [  $2x^2(x^2+1)(2x^7-2x^6-2x^5-x^4+5x^3-6x^2+4x-1)/(x^2+x-1)/(x^3+x^2+x-1)/(x^3-x^2+2x-1)/(x-1)^2$  ogf]  
A284177 4.86172 [   
 $(512x^{17}+32x^{14}+32x^{13}-192x^{12}+128x^{11}+256x^{10}-204x^8+8x^7+16x^6+4x^4+1)/(x-1)/(2x+1)/(2x-1)/(x+1)/(4x^2+1)/(16x^4+1)$  ogf]  
A284178 5.23821 [   
 $(256x^{17}+512x^{14}+256x^{13}-48x^{12}+16x^{11}+4x^{10}-45x^8+16x^7+4x^6+4x^4+1)/(x-1)/(2x+1)/(2x-1)/(x+1)/(x^4+1)/(x^2+1)$  ogf]  
A284181 5.43250 [  $-(16x^{14}-16x^{13}-x^{10}-x^9-2x^8-4x^7+8x^6-8x^5+3x^4-5x^3-3x^2-x-1)/(x-1)/(2x+1)/(2x-1)/(4x^2+1)$  ogf]  
A284182 4.89957 [ -  
 $(1024x^{14}-512x^{13}-1024x^{10}+256x^9+64x^8+16x^7+8x^6-4x^5-18x^4+5x^3-3x^2+x-1)/(x-1)/(2x-1)/(x+1)/(x^2+1)$  ogf]  
A284204 3.78178 [  $\{(-n+4)a(n+1)+(-n-3)a(n+2)+a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 5040\}$ , ogf]  
A284205 3.47945 [  $\{(n-5)a(n+1)+(n+3)a(n+2)-a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 0, a(7) = 40320\}$ , ogf]  
A284206 3.19763 [  $\{(n-6)a(n+1)+(n+3)a(n+2)-a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 0, a(7) = 0, a(8) = 362880\}$ , ogf]  
A284235 7.82877 [  $(10x^5-11x^4+x^3+10x^2-10x+1)/(x-1)/(10x-1)/(x+1)$  ogf]  
A284236 6.61434 [  $(10000x^5-11000x^4+1000x^3+10x^2-x+1)/(x-1)/(10x+1)/(10x-1)$  ogf]  
A284237 9.00259 [  $(2x^5-3x^4+x^3+2x^2-2x+1)/(x-1)/(2x-1)/(x+1)$  ogf]  
A284238 9.07937 [  $(16x^5-24x^4+8x^3+2x^2-x+1)/(x-1)/(2x+1)/(2x-1)$  ogf]  
A284245 4.61140 [  $(16x^{16}-16x^{14}-x^{12}-2x^{11}-3x^{10}-6x^9+4x^8-16x^7+11x^6+22x^5-4x^4+7x^3+2x^2+1)/(x-1)/(2x+1)/(2x-1)/(x+1)/(4x^2+1)$  ogf]  
A284286 18.3677 [  $-(4x+8)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A284293 5.57261 [   
 $(4000x^{22}+400x^{14}+440x^{10}+44x^8+5x^7+45x^6+5x^5+45x^4+5x^3+5x^2+5x+1)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf]  
A284307 10.8502 [  $(x^4+x^3-2x^2+3x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A284312 27.2677 [  $1/(x^3-1)$  ogf\_with\_Euler\_transform]  
A284313 25.5761 [  $1/(x^4-1)$  ogf\_with\_Euler\_transform]  
A284314 24.3506 [  $1/(x^5-1)$  ogf\_with\_Euler\_transform]  
A284315 23.1470 [  $x/(x^3-1)$  ogf\_with\_Euler\_transform]  
A284316 21.8172 [  $x^2/(x^4-1)$  ogf\_with\_Euler\_transform]  
A284317 19.9216 [  $x^3/(x^5-1)$  ogf\_with\_Euler\_transform]  
A284319 20.2476 [  $x/(x^5-1)$  ogf\_with\_Euler\_transform]

A284320 20.5208 [x^2/(x^5-1) ogf\_with\_Euler\_transform]  
A284321 15.7528 [-(x^3+1)/(-x^5+1) ogf\_with\_Euler\_transform]  
A284322 16.0341 [-(x^2+x)/(-x^5+1) ogf\_with\_Euler\_transform]  
A284351 10.6924 [ (100\*x^2-9\*x+1)/(x-1)/(10\*x-1)/(x+1) ogf]  
A284351 5.99146 [{a(n+3)-10\*a(n+2)-a(n+1)+10\*a(n), a(0) = 1, a(1) = 111}, ogf]  
A284352 10.7385 [ (x^2+9\*x+1)/(x-1)/(10\*x+1)/(10\*x-1) ogf]  
A284352 5.86559 [{a(n+3)-a(n+2)-100\*a(n+1)+100\*a(n), a(0) = 1, a(1) = 10, a(2) = 111}, ogf]  
A284352 6.12285 [-(100\*x^4+1800\*x^3-599\*x^2-202\*x-10)/(100\*x^5+800\*x^4-801\*x^3-108\*x^2+8\*x+1) lgdogf]  
A284353 12.7250 [ (4\*x^2-x+1)/(x-1)/(2\*x-1)/(x+1) ogf]  
A284353 6.93058 [{a(n+3)-2\*a(n+2)-a(n+1)+2\*a(n), a(0) = 1, a(1) = 1, a(2) = 7}, ogf]  
A284353 7.92066 [ -(-8\*x^4+4\*x^3-15\*x^2+10\*x+1)/(-8\*x^5+6\*x^4+5\*x^3-5\*x^2+3\*x-1) lgdogf]  
A284354 12.5530 [ (x^2+x+1)/(x-1)/(2\*x+1)/(2\*x-1) ogf]  
A284354 6.83693 [{a(n+3)-a(n+2)-4\*a(n+1)+4\*a(n), a(0) = 1, a(1) = 2, a(2) = 7}, ogf]  
A284354 9.00866 [ -(-4\*x^4-8\*x^3-9\*x^2+10\*x+2)/(-4\*x^5+x^3+4\*x^2-1) lgdogf]  
A284359 16.2191 [-(x^3-2\*x^2-2)/(x^2+1) ogf\_with\_Euler\_transform]  
A284370 5.03832 [ -(2\*x^26-2\*x^18-x^12-x^11-5\*x^10-x^9-3\*x^8-x^7-3\*x^6-x^5-3\*x^4-x^3-5\*x^2-x-2)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2 ogf]  
A284403 8.23826 [ -(10\*x^5+89\*x^4+x^3-111\*x^2+11\*x-1)/(10\*x-1)/(x-1) ogf]  
A284404 7.40880 [ -(10000\*x^5-10900\*x^4+1000\*x^3-111\*x^2+11\*x-1)/(10\*x-1)/(x-1) ogf]  
A284405 9.73711 [ -(16\*x^5-20\*x^4+8\*x^3-7\*x^2+3\*x-1)/(2\*x-1)/(x-1) ogf]  
A284429 9.32791 [ -(3\*x^5+x^4-x^3-3\*x^2-x-2)/(x^2+x+1)^2/(x-1)^2 ogf]  
A284467 7.99049 [-(x^4-x^3-x+1)/(-x^6-2\*x^5-3\*x^4-4\*x^3-3\*x^2-2\*x-1) ogf\_with\_Euler\_transform]  
A284474 8.13035 [ -(-x^4+x^3+x-1)/(-x^6-2\*x^5-3\*x^4-4\*x^3-3\*x^2-2\*x-1) ogf\_with\_Euler\_transform]  
A284479 5.45316 [ (10000\*x^8-10000\*x^7+1000\*x^5-1000\*x^4+1010\*x^3+90\*x^2+10\*x+1)/(x-1)/(10\*x+1)/(10\*x-1)/(100\*x^2+1) ogf]  
A284480 6.06961 [ (10000\*x^8-1000\*x^7+100\*x^5-10\*x^4+101\*x^3-9\*x^2+x+1)/(x-1)/(10\*x-1)/(x+1)/(x^2+1) ogf]  
A284481 7.22392 [ (16\*x^8-16\*x^7+8\*x^5-8\*x^4+10\*x^3+2\*x^2+2\*x+1)/(x-1)/(2\*x+1)/(2\*x-1)/(4\*x^2+1) ogf]  
A284482 7.61005 [ (16\*x^8-8\*x^7+4\*x^5-2\*x^4+5\*x^3-x^2+x+1)/(x-1)/(2\*x-1)/(x+1)/(x^2+1) ogf]  
A284483 7.52189 [ (10\*x^5-11\*x^4+x^3+110\*x^2-10\*x+1)/(x-1)/(10\*x-1)/(x+1) ogf]  
A284484 6.61434 [ (10000\*x^5-11000\*x^4+1000\*x^3+11\*x^2-x+1)/(x-1)/(10\*x+1)/(10\*x-1) ogf]  
A284485 9.20097 [ (16\*x^5-24\*x^4+8\*x^3+3\*x^2-x+1)/(x-1)/(2\*x+1)/(2\*x-1) ogf]  
A284494 5.90338 [{(-16\*n^2-16\*n-4)\*a(n+1)+(n^2+4\*n+4)\*a(n+2), a(0) = 1, a(1) = 4}, ogf]  
A284499 21.7349 [1/(x^7-1) ogf\_with\_Euler\_transform]  
A284500 18.2837 [x/(x^7-1) ogf\_with\_Euler\_transform]  
A284501 18.5386 [x^2/(x^7-1) ogf\_with\_Euler\_transform]  
A284502 18.3867 [x^3/(x^7-1) ogf\_with\_Euler\_transform]  
A284503 17.7293 [x^4/(x^7-1) ogf\_with\_Euler\_transform]  
A284504 17.9308 [x^5/(x^7-1) ogf\_with\_Euler\_transform]  
A284517 14.8607 [ -(6\*x^3+7\*x^2+5\*x+1)/(x-1)/(x^2+x+1)/(x+1) ogf]  
A284518 8.39200 [ -(24\*x^5+25\*x^4+35\*x^3+20\*x^2+11\*x+1)/(x-1)/(x+1)/(x^2+1)/(x^2+x+1) ogf]  
A284540 5.62907 [ (100\*x^8+1010\*x^7-100\*x^6-1000\*x^5+990\*x^3+100\*x^2+10\*x+1)/(x-1)/(10\*x+1)/(10\*x-1)/(100\*x^2+1) ogf]  
A284541 5.72135 [ (1000000\*x^8+1010000\*x^7-10000\*x^6-100\*x^5-99\*x^3+x^2+x+1)/(x-1)/(10\*x-1)/(x+1)/(x^2+1) ogf]  
A284542 7.36285 [ (4\*x^8+10\*x^7-4\*x^6-8\*x^5+6\*x^3+4\*x^2+2\*x+1)/(x-1)/(2\*x+1)/(2\*x-1) ogf]

$(2*x-1)/(4*x^2+1)$  ogf]  
A284543 7.43009 [  $(64*x^8+80*x^7-16*x^6-4*x^5-3*x^4+x^3+x^2+x+1)/(x-1)/(2*x-1)/(x+1)/(x^2+1)$  ogf]  
A284585 23.0707 [  $1/(x^6-1)$  ogf\_with\_Euler\_transform]  
A284586 18.4348 [  $x^4/(x^6-1)$  ogf\_with\_Euler\_transform]  
A284628 9.47268 [  $-(x^6-x^5+3*x^4+3*x^2-x+1)/(x^8-2*x^4+1)$  ogf\_with\_Euler\_transform]  
A284647 8.41049 [  $-x*(3*x^2-5*x+1)/(x-1)/(x^2-7*x+1)/(x^2-3*x+1)$  ogf]  
A284663 5.76823 [  $-(x-1)*(x+1)*(3*x^4+2*x^3+6*x^2+6*x+3)/(x^2+1)/(x^5+x^4-2*x^3-2*x^2-3*x+1)$  ogf]  
A284670 4.72600 [  $-(x^{26}-x^{25}+x^{20}-x^{19}+3*x^{18}-3*x^{17}+7*x^{14}-7*x^{13}+x^{11}-x^9+2*x^8-x^7-x^6+3*x^3-x^2+16*x-19)/(x-1)^2$  ogf]  
A284672 8.13759 [  $-(x^{28}-x^{27}+x^7-x^6+x^4+5*x^3+2*x^2+9*x-18)/(x-1)^2$  ogf]  
A284699 9.39138 [  $-(5*x^4+4*x^3+3*x^2+6*x+3)/(x^5+x^4+x^3+3*x^2+3*x-1)$  ogf]  
A284700 8.36075 [  $-(x^3+36*x^2+39*x-4)/(4*x^4-x^3-18*x^2-13*x+1)$  ogf]  
A284701 5.62309 [  $-(8*x^7+14*x^6-6*x^5-25*x^4-12*x^3-2*x-2)/(x^8+2*x^7-x^6-5*x^5-3*x^4-x^2-2*x+1)$  ogf]  
A284702 5.72245 [  $-(7*x^6+6*x^5-5*x^4-4*x^3-15*x^2-2*x-3)/(x^2+1)/(x^5+x^4-2*x^3-2*x^2-3*x+1)$  ogf]  
A284703 5.44268 [  $-(8*x^7+7*x^6-6*x^5-10*x^4+4*x^3-3*x^2-4*x-1)/(x^2-x+1)/(x^3+2*x^2+x-1)/(x^3-x-1)$  ogf]  
A284709 6.57954 [  $(x^7-4*x^5-2*x^4+4*x^3+2*x^2-x-2)/(x-1)/(x+1)/(x^3+x^2-1)^2$  ogf]  
A284710 4.30510 [  $-(2*x^7+x^6-4*x^5-8*x^4-8*x^3+3*x^2-3)/(x^2-x+1)/(x^3+2*x^2+x-1)/(x^3-x-1)$  ogf]  
A284778 8.62313 [  $2*I/x/(3*x-1)^{1/2}/(x+1)^{1/2}-(3*x+2)/(x+1)/x$  lgdogf]  
A284787 7.93208 [  $-2*(x^{11}-x^{10}+x^9-x^8+x^7-x^5+2*x^4+12*x-15)/(x-1)^2$  ogf]  
A284808 4.67505 [  $-7*(57*x^{15}-7*x^{14}-7*x^{13}-7*x^{12}-7*x^{11}-7*x^{10}-7*x^9-6*x^8-74*x^7-x^6-x^5-x^4-x^3-x^2-x-2)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf]  
A284814 2.96386 [  $37058549*x^7+11121217*x^6+1032327*x^5+11311*x^3$  ogf\_with\_Euler\_transform]  
A284816 11.0248 [  $1/2*(x^2+2)/(x-1)^4$  egf]  
A284816 11.3694 [  $-(-2*x^2-2*x-8)/(-x^3+x^2-2*x+2)$  lgdegf]  
A284816 4.30556 [  $\{( -n^2-5*n-6)*a(n+1)+(n^2+10*n+20)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 21\}$ , ogf]  
A284838 3.00915 [  $\{(4608*n+9984)*a(n+1)+(-1824*n-2800)*a(n+2)+(192*n+248)*a(n+3)+(-6*n-7)*a(n+4), a(0) = 0, a(1) = 40, a(2) = 1088, a(3) = 21888\}$ , ogf]  
A284838 6.15892 [  $-(-101376*x^3+33664*x^2-3776*x+136)/(-33792*x^4+17216*x^3-2928*x^2+204*x-5)$  lgdogf]  
A284838 8.55849 [  $-8*x*(44*x-5)/(16*x-1)/(12*x-1)/(4*x-1)^2$  ogf]  
A284840 13.8315 [  $-1/(x^5-5*x^4+8*x^3-7*x^2+5*x-1)$  ogf]  
A284840 7.40477 [  $-(5*x^4-20*x^3+24*x^2-14*x+5)/(x^5-5*x^4+8*x^3-7*x^2+5*x-1)$  lgdogf]  
A284843 3.59166 [  $\{(n^2+10*n+21)*a(n+1)+(-n^2-11*n-28)*a(n+3)+(n+4)*a(n+4), a(0) = 3, a(1) = 12, a(2) = 55, a(3) = 318\}$ , ogf]  
A284843 7.85939 [  $-(x^4-x^3+5*x^2+7*x+12)/(x^4-2*x^3+4*x^2-3)$  lgdegf]  
A284844 8.15504 [  $-(x^4+x^3+6*x^2+17*x+35)/(x^4-x^3+3*x^2+5*x-8)$  lgdegf]  
A284845 8.51785 [  $-(x^4+3*x^3+9*x^2+29*x+78)/(x^4+2*x^2+12*x-15)$  lgdegf]  
A284850 10.9162 [  $-x*(11*x-5)/(4*x-1)/(3*x-1)/(x-1)^2$  ogf]  
A284850 3.63873 [  $\{(72*n+156)*a(n+1)+(-114*n-175)*a(n+2)+(48*n+62)*a(n+3)+(-6*n-7)*a(n+4), a(0) = 0, a(1) = 5, a(2) = 34, a(3) = 171\}$ , ogf]  
A284850 8.01296 [  $-(-396*x^3+526*x^2-236*x+34)/(-132*x^4+269*x^3-183*x^2+51*x-5)$  lgdogf]  
A284859 21.9063 [  $1+3*\exp(3*x)$  lgdegf]  
A284860 17.6935 [  $1-3*\exp(3*x)$  lgdegf]  
A284864 22.2808 [  $2+3*\exp(3*x)$  lgdegf]  
A284865 18.1616 [  $2-3*\exp(3*x)$  lgdegf]  
A284891 4.14085 [  $(31111020*x^8-59111010*x^7+25200000*x^6+2520000*x^5+25200*x^4+25200*x^3+2520*x^2+272*x-3)/(100*x-1)/(x-1)^2$  ogf]

A284896 9.02516  $[-(x^4+3x^3+6x^2+3x+1)/(-x^6+3x^4-3x^2+1)]$   
ogf\_with\_Euler\_transform]  
A284897 6.60989  $[-(-x^6-7x^5-23x^4-28x^3-23x^2-7x-1)/(-x^8+4x^6-6x^4+4x^2-1)]$  ogf\_with\_Euler\_transform]  
A284965 6.90218  $[-x^5*(x^4-x^2-1)/(x^2+1)/(x+1)^2/(x-1)^2]$  ogf]  
A284968 8.96307  $[3/2*I/x/(4*x-1)^(1/2)-1/2*(7*x-3)/(x-1)/x]$  lgdogf]  
A284985 10.8517  $[-(2*x-576)/(x^2-576*x+1)]$  lgdogf]  
A284985 14.1072  $[24*x/(x^2-576*x+1)]$  ogf]  
A284985 6.71773  $[{a(n+2)-576*a(n+1)+a(n), a(0) = 0, a(1) = 24}]$ , ogf]  
A285009 13.1254  $[-(-4*x^2+12*x-17)/(-4*x^3+14*x^2-19*x+9)]$  lgdogf]  
A285009 14.3956  $[-(4*x^2-10*x+9)/(x-1)^3]$  ogf]  
A285009 7.82917  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 9, a(1) = 17, a(2) = 28}]$ , ogf]  
A285043 11.0438  $[-(-24*x-18)/(-48*x^2+8*x+1)]$  lgdogf]  
A285043 3.63378  $[{(n+3)*a(n+3)+(-2+8*n)*a(n+2)+(-72-48*n)*a(n+1), a(0) = 1, a(1) = 18, a(2) = 102}]$ , ogf]  
A285044 8.75821  $[-(160*x^2+400*x+50)/(320*x^3+80*x^2-36*x-1)]$  lgdogf]  
A285045 4.10243  $[{(-32*n^2-16*n)*a(n)+(16*n^2+32*n+114)*a(n+1)+(-2*n^2-7*n-6)*a(n+2), a(0) = 1, a(1) = 98}]$ , ogf]  
A285045 6.57227  $[-(-896*x^3-4704*x^2-1960*x-98)/(-1792*x^4-1792*x^3+224*x^2+80*x+1)]$  lgdogf]  
A285046 3.20978  $[{(-32*n^2-16*n)*a(n)+(16*n^2+32*n+178)*a(n+1)+(-2*n^2-7*n-6)*a(n+2), a(0) = 1, a(1) = 162}]$ , ogf]  
A285048 15.8365  $[-(3*x^4+1)/(-x^8+2*x^4-1)]$  ogf\_with\_Euler\_transform]  
A285049 15.2790  $[-(4*x^5+1)/(-x^10+2*x^5-1)]$  ogf\_with\_Euler\_transform]  
A285050 14.1587  $[-(-2*x^3-1)/(-x^6+2*x^3-1)]$  ogf\_with\_Euler\_transform]  
A285064 23.8722  $[1+4*exp(4*x)]$  lgdegf]  
A285065 17.1146  $[1-4*exp(4*x)]$  lgdegf]  
A285069 13.5931  $[-(-x^2-1)/(-x^4+2*x^2-1)]$  ogf\_with\_Euler\_transform]  
A285070 13.4392  $[-(-3*x^4-1)/(-x^8+2*x^4-1)]$  ogf\_with\_Euler\_transform]  
A285071 12.8952  $[-(-4*x^5-1)/(-x^10+2*x^5-1)]$  ogf\_with\_Euler\_transform]  
A285131 14.2623  $[-(-x^6-3*x^2)/(x^8-2*x^4+1)]$  ogf\_with\_Euler\_transform]  
A285132 13.4223  $[-(-x^8-4*x^3)/(x^10-2*x^5+1)]$  ogf\_with\_Euler\_transform]  
A285173 15.7081  $[-(x^2+x-3)/(x-1)^2]$  ogf]  
A285173 17.3444  $[-(3*x-5)/(x^3-4*x+3)]$  lgdogf]  
A285173 8.16205  $[{-a(n+3)+2*a(n+2)-a(n+1), a(0) = 3, a(1) = 5, a(2) = 6}]$ , ogf]  
A285184 16.5007  $[(x^2-x-1)/(x^3+2*x-1)]$  ogf]  
A285184 9.10976  $[-(x^4-2*x^3-5*x^2+2*x-3)/(x^5-x^4+x^3-3*x^2-x+1)]$  lgdogf]  
A285184 9.30359  $[{a(n+3)-2*a(n+2)-a(n), a(0) = 1, a(1) = 3, a(2) = 5}]$ , ogf]  
A285185 11.4461  $[-(8*x^3+2*x^2-4*x-4)/(4*x^4-2*x^3-6*x^2+1)]$  lgdogf]  
A285185 15.2614  $[2*x*(2*x+1)/(2*x^3-2*x^2-2*x+1)]$  ogf]  
A285185 7.83695  $[{a(n+3)-2*a(n+2)-2*a(n+1)+2*a(n), a(0) = 0, a(1) = 2, a(2) = 8}]$ , ogf]  
A285186 11.7317  $[-(8*x^3+2*x^2-4*x-4)/(4*x^4-2*x^3-6*x^2+1)]$  lgdogf]  
A285186 15.6423  $[x*(2*x+1)/(2*x^3-2*x^2-2*x+1)]$  ogf]  
A285186 8.03252  $[{a(n+3)-2*a(n+2)-2*a(n+1)+2*a(n), a(0) = 0, a(1) = 1, a(2) = 4}]$ , ogf]  
A285187 6.29159  $[-(x^7+2*x^6+x^5-3*x^4-4*x^3+3*x+1)/(x-1)/(x+1)/(x^3+x^2-1)^2]$  ogf]  
A285188 6.60510  $[-x*(x^4+3*x^3+11*x^2+5*x+4)/(x+1)^3/(x-1)^5]$  ogf]  
A285193 8.58397  $[-(x^6+x^5+2*x^4+2*x^2+2*x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)]$  ogf]  
A285194 5.74108  $[-(x^2+1)*(2*x^9+x^6+x^5-x^3+x^2+2*x+1)/(x-1)/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)]$  ogf]  
A285197 10.4162  $[-(5*x^3-11*x^2+6*x-1)/(3*x-1)/(x-1)/(x^2-3*x+1)]$  ogf]  
A285199 14.7222  $[-(x-2)/(x^2-4*x+1)]$  lgdegf]  
A285199 4.90740  $[{(n^2+4*n+4)*a(n+1)+(-4*n-10)*a(n+2)+a(n+3), a(0) = 1, a(1) = 2, a(2) = 11}]$ , ogf]  
A285201 4.00923  $[{(n^2+6*n+8)*a(n+1)+(-2*n^2-13*n-21)*a(n+2)+(n^2+8*n+16)*a(n+3)+(-n-3)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 14}]$ , ogf]  
A285210 4.69577  $[(x^26-x^25+x^23-x^22+x^7+2*x^6+x^5+2*x^4+x^3+x^2+2*x+1)/(x^4+1)/(x^2+1)/(x-1)^2]$  ogf]



A285212 14.0143  $[-(x^4+2*x)/(x^6-2*x^3+1)$  ogf\_with\_Euler\_transform]  
A285213 12.7682  $[-(x^6+3*x^2)/(x^8-2*x^4+1)$  ogf\_with\_Euler\_transform]  
A285214 12.2022  $[-(x^8+4*x^3)/(x^{10}-2*x^5+1)$  ogf\_with\_Euler\_transform]  
A285215 9.96969  $[-(x^6+2*x^5+3*x^4+3*x^2+2*x+1)/(-x^8+2*x^4-1)$   
ogf\_with\_Euler\_transform]  
A285247 11.5151  $[-(-x^4-2*x^3-2*x-1)/(-x^6+2*x^3-1)$  ogf\_with\_Euler\_transform]  
A285262 9.00701  $[-(x^6+2*x^5+3*x^4+3*x^3+3*x^2+2*x+1)/(-x^8+2*x^4-1)$   
ogf\_with\_Euler\_transform]  
A285284 8.93349  $[-(-x^6-2*x^5-3*x^4-3*x^2-2*x-1)/(-x^8+2*x^4-1)$   
ogf\_with\_Euler\_transform]  
A285285 6.83471  $[-(-x^8-2*x^7-3*x^6-4*x^5-4*x^3-3*x^2-2*x-1)/(-x^{10}+2*x^5-1)$   
ogf\_with\_Euler\_transform]  
A285286 8.91316  $[-(-2*x^9+2*x^7-5*x^6-4*x^3+x-1)/(-x^{12}+2*x^6-1)$   
ogf\_with\_Euler\_transform]  
A285288 9.61508  $[-(3*x^{12}-3*x^9+7*x^8+5*x^4-x+1)/(-x^{16}+2*x^8-1)$   
ogf\_with\_Euler\_transform]  
A285289 10.3001  $[-(x^6+3*x^4+x^3+3*x^2+1)/(-x^8+2*x^4-1)$   
ogf\_with\_Euler\_transform]  
A285314 6.49899  $[[2]$  ogf\_with\_Euler\_transform]  
A285316 4.67158  $[x*(6*x^{38}+11*x^{37}-11*x^{36}-11*x^{30}+5*x^{29}+x^{22}-4*x^{21}-4*x^8+4)/$   
 $(6*x^{37}-6*x^{30}-3*x^{22}-4*x^7+4)/(x-1)^2$  ogf]  
A285338 9.36947  $[-(4*x^{15}-4*x^{11}+9*x^{10}+6*x^5-x+1)/(-x^{20}+2*x^{10}-1)$   
ogf\_with\_Euler\_transform]  
A285348 8.60267  $[-(-2*x^6+3*x^5-3*x+2)/(-x^8-x^6-x^4-x^2-1)$   
ogf\_with\_Euler\_transform]  
A285349 10.2926  $[-(2*x^6-3*x^5+3*x-2)/(-x^8-x^6-x^4-x^2-1)$   
ogf\_with\_Euler\_transform]  
A285355 11.3148  $[-(-2*x^2+2)/(x^4-x^3+x^2-x+1)$  ogf\_with\_Euler\_transform]  
A285361 10.7420  $[-x*(3*x+1)/(3*x-1)/(2*x-1)/(x-1)^3$  ogf]  
A285361 9.49290  $[-(-72*x^3+33*x^2+26*x-11)/(-18*x^4+27*x^3-7*x^2-3*x+1)$  lgdogf]  
A285391 10.6170  $[-(-12*x^2+24*x-8)/(-12*x^3+21*x^2-10*x+1)$  lgdogf]  
A285391 15.9256  $[-(x-1)/(12*x^2-9*x+1)$  ogf]  
A285391 8.82622  $[{-a(n+2)+9*a(n+1)-12*a(n), a(0) = 1, a(1) = 8}$ ], ogf]  
A285392 13.3945  $[(3*x-1)*(x-1)/(12*x^2-9*x+1)$  ogf]  
A285392 6.95484  $[{a(n+3)-9*a(n+2)+12*a(n+1), a(0) = 1, a(1) = 5, a(2) = 36}$ ],  
ogf]  
A285392 9.27312  $[-(21*x^2-18*x+5)/(-36*x^4+75*x^3-51*x^2+13*x-1)$  lgdogf]  
A285393 13.8728  $[-(96*x-20)/(48*x^2-20*x+1)$  lgdogf]  
A285393 20.6111  $[1/(48*x^2-20*x+1)$  ogf]  
A285393 8.48692  $[{-a(n+2)+20*a(n+1)-48*a(n), a(0) = 1, a(1) = 20}$ ], ogf]  
A285394 12.1910  $[(24*x^2-13*x+1)/(48*x^2-20*x+1)$  ogf]  
A285394 6.55555  $[{a(n+3)-20*a(n+2)+48*a(n+1), a(0) = 1, a(1) = 7, a(2) = 116}$ ],  
ogf]  
A285394 8.27248  $[-(144*x^2-48*x+7)/(-1152*x^4+1104*x^3-332*x^2+33*x-1)$  lgdogf]  
A285395 10.6086  $[-(24*x^2-13*x+1)/(324*x^3-195*x^2+28*x-1)$  ogf]  
A285395 6.01157  $[-(-7776*x^4+8424*x^3-2835*x^2+342*x-15)/$   
 $(-7776*x^5+8892*x^4-3531*x^3+583*x^2-41*x+1)$  lgdogf]  
A285395 6.01157  $[{a(n+3)-28*a(n+2)+195*a(n+1)-324*a(n), a(0) = 1, a(1) = 15,$   
 $a(2) = 249}$ ], ogf]  
A285396 5.41944  $[{-a(n+3)+28*a(n+2)-195*a(n+1)+324*a(n), a(0) = 1, a(1) = 21,$   
 $a(2) = 399}$ ], ogf]  
A285396 9.85353  $[-(6*x-1)*(x-1)/(324*x^3-195*x^2+28*x-1)$  ogf]  
A285397 10.6418  $[-(3*x-1)^2/(216*x^3-195*x^2+32*x-1)$  ogf]  
A285397 5.85300  $[{a(n+3)-32*a(n+2)+195*a(n+1)-216*a(n), a(0) = 1, a(1) = 26,$   
 $a(2) = 646}$ ], ogf]  
A285397 7.47191  $[-(648*x^3-648*x^2+294*x-26)/(648*x^4-801*x^3+291*x^2-35*x+1)$   
lgdogf]  
A285398 4.83735  $[{-a(n+4)+32*a(n+3)-195*a(n+2)+216*a(n+1), a(0) = 1, a(1) = 19,$   
 $a(2) = 452, a(3) = 10948}$ ], ogf]  
A285398 9.04648  $[(x-1)*(3*x-1)*(9*x-1)/(216*x^3-195*x^2+32*x-1)$  ogf]  
A285399 17.2136  $[-13/(-14*x^2+15*x-1)$  lgdogf]

A285399 17.6666 [(x-1)/(14\*x-1) ogf]  
A285399 9.07205 [{a(n+2)-14\*a(n+1), a(0) = 1, a(1) = 13}, ogf]  
A285400 17.1940 [-18/(-63\*x^2+24\*x-1) lgdogf]  
A285400 17.6465 [(3\*x-1)/(21\*x-1) ogf]  
A285400 9.06170 [{a(n+2)-21\*a(n+1), a(0) = 1, a(1) = 18}, ogf]  
A285407 4.03906 [(x^23-x^20-x^18-2\*x^16-x^14+x^13+x^11-x^10+x^7+x^5+x^3-1)/(x^23+x^22-2\*x^16-x^15-x^14+x^11-x^10-x^9+x^5+x^3+x^2-1) ogf]  
A285440 10.9537 [(x^2+x+1)\*(3\*x^2-2\*x+3)/(x^2+1)/(x+1)/(x-1)^2 ogf]  
A285441 8.61899 [-(x^6+x^4-x^2+1)/(x^8+x^6+x^4+x^2+1) ogf\_with\_Euler\_transform]  
A285442 11.5904 [-(2\*x^2+2)/(-x^4-x^3-x^2-x-1) ogf\_with\_Euler\_transform]  
A285443 11.6755 [-(3\*x^2+3)/(-x^4-x^3-x^2-x-1) ogf\_with\_Euler\_transform]  
A285444 11.0521 [-(4\*x^2+4)/(-x^4-x^3-x^2-x-1) ogf\_with\_Euler\_transform]  
A285445 11.9575 [-(x^3+2\*x^2+x+1)/(x^4+x^3-x-1) ogf\_with\_Euler\_transform]  
A285458 9.03266 [-(x^6+x^5+3\*x^4+3\*x^3+3\*x^2+x+1)/(-x^8+2\*x^4-1) ogf\_with\_Euler\_transform]  
A285462 8.74856 [-(x^6+3\*x^5+3\*x^4+5\*x^3+3\*x^2+3\*x+1)/(-x^8+2\*x^4-1) ogf\_with\_Euler\_transform]  
A285466 5.69282 [(4\*x^12+x^11+x^10+x^9+x^8+x^7+x^6+4\*x^5+4\*x^4+4\*x^3+4\*x^2+4\*x+4)/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A285472 9.15309 [-(x^7-x^6-x^5-x^4-2\*x^3-x^2-x-1)/(-x^8+1) ogf\_with\_Euler\_transform]  
A285473 11.6384 [-(100\*x^2-11\*x-1)/(x+1)/(x-1)/(10\*x+1)/(10\*x-1) ogf]  
A285474 11.2581 [-(x^2-11\*x-1)/(x+1)/(x-1)/(10\*x+1)/(10\*x-1) ogf]  
A285475 13.4340 [-(x^2-3\*x-1)/(x-1)/(2\*x+1)/(2\*x-1)/(x+1) ogf]  
A285476 13.6600 [-10/(-10\*x-1) lgdogf]  
A285476 8.03529 [{a(n+2), a(0) = 1, a(1) = 10}, ogf]  
A285484 4.47346 [(x+1)\*(x^2-x+1)\*(x^18+x^12+x^10-x^9+x^6+1)/(x^22+x^21+x^18+x^16+x^15+x^13+x^11+x^10+x^7+x^6+x^3+x+1) ogf]  
A285502 5.39218 [(2\*x^12+x^11+3\*x^10+x^9+5\*x^8+2\*x^4+x^3+3\*x^2+x+1)/(x+1)/(x^8+1)/(x^2+1)/(x-1)^2 ogf]  
A285527 4.24394 [66\*x^9+40\*x^8+18\*x^7 ogf\_with\_Euler\_transform]  
A285540 8.22196 [(110\*x^2-10\*x-1)/(x-1)/(10\*x+1)/(10\*x-1)/(10\*x^2-1) ogf]  
A285541 8.21182 [(11\*x^2-x-1)/(x-1)/(10\*x-1)/(x+1)/(10\*x^2-1) ogf]  
A285542 10.3169 [(6\*x^2-2\*x-1)/(x-1)/(2\*x+1)/(2\*x-1)/(2\*x^2-1) ogf]  
A285543 10.0808 [(3\*x^2-x-1)/(x-1)/(2\*x-1)/(x+1)/(2\*x^2-1) ogf]  
A285551 5.32320 [-(x^8+x^7+2\*x^6+3\*x^5+7\*x^4+3\*x^3+6\*x^2+2\*x+1)/(x^3-2\*x^2+3\*x-1)/(x^6+3\*x^5+5\*x^4+5\*x^3+5\*x^2+3\*x+1) ogf]  
A285554 8.71369 [-(2\*x^6+x^4-x^2-2)/(-x^8-x^6-x^4-x^2-1) ogf\_with\_Euler\_transform]  
A285560 4.13394 [(10000\*x^11-10000\*x^10-100\*x^9+100\*x^8+1100\*x^4-100\*x^3+100\*x^2-10\*x-1)/(x-1)/(10\*x+1)/(10\*x-1)/(10\*x^2-1)/(10\*x^2+1) ogf]  
A285563 5.20956 [(128\*x^11-64\*x^10-128\*x^9+64\*x^8+6\*x^4-2\*x^3+x^2-x-1)/(x-1)/(2\*x-1)/(x+1)/(2\*x^2-1)/(2\*x^2+1) ogf]  
A285612 10.9538 [(10\*x^4-x^2+1)/(x-1)/(10\*x^2-1) ogf]  
A285612 4.96573 [{a(n+5)-a(n+4)-10\*a(n+3)+10\*a(n+2), a(0) = 1, a(1) = 1, a(2) = 10, a(3) = 10, a(4) = 110}, ogf]  
A285613 4.63553 [{a(n+5)-10\*a(n+4)-10\*a(n+3)+10\*a(n+2), a(0) = 1, a(1) = 10, a(2) = 10, a(3) = 100, a(4) = 1100}, ogf]  
A285613 9.70955 [(1000\*x^4-100\*x^2+1)/(10\*x-1)/(10\*x^2-1) ogf]  
A285623 6.49891 [-(2\*x^19-2\*x^11-3\*x^5-x^4+2\*x^3-3\*x-1)/(x^4+1)/(x+1)/(x-1)^2 ogf]  
A285640 4.38951 [(x^16-2\*x^15+x^14-x^12+2\*x^11-3\*x^10+3\*x^9-3\*x^8+2\*x^7-x^6+x^4-2\*x^3+3\*x^2-4\*x+2)/(x+1)/(x^2+1)/(x^8+1)/(x^4+1)/(x-1)^3 ogf]  
A285643 7.33072 [-(1000\*x^8-10\*x^6-1000\*x^5-90\*x^3+100\*x^2-10\*x-1)/(x+1)/(x-1)/(10\*x+1)/(10\*x-1) ogf]  
A285644 6.77837 [-(100000\*x^8-100000\*x^6-100\*x^5+90\*x^3+x^2-x-1)/(x+1)/(x-1)/(10\*x+1)/(10\*x-1) ogf]  
A285645 9.25509 [-(8\*x^8-2\*x^6-8\*x^5-2\*x^3+4\*x^2-2\*x-1)/(x-1)/(2\*x+1)/(2\*x-1)/(x+1) ogf]  
A285646 8.60277 [-(32\*x^8-32\*x^6-4\*x^5+2\*x^3+x^2-x-1)/(x-1)/(2\*x+1)/(2\*x-1)/(x

+1) ogf]  
A285647 6.24168 [  $-(1100x^7-100x^6-1011x^5+x^4-90x^3+100x^2-10x-1)/(x+1)/(x-1)/(10x+1)/(10x-1)$  ogf]  
A285648 5.85012 [  $-(110000x^7-10000x^6-110100x^5+10000x^4+90x^3+x^2-x-1)/(x+1)/(x-1)/(10x+1)/(10x-1)$  ogf]  
A285649 7.56039 [  $-(12x^7-4x^6-11x^5+x^4-2x^3+4x^2-2x-1)/(x-1)/(2x+1)/(2x-1)/(x+1)$  ogf]  
A285650 7.37345 [  $-(48x^7-16x^6-52x^5+16x^4+2x^3+x^2-x-1)/(x-1)/(2x+1)/(2x-1)/(x+1)$  ogf]  
A285659 4.95605 [  $-(x+1)(x^{19}-x^{18}+x^{16}-x^{15}-x^9-x^8-x^6-x^5-x^3-x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A285665 7.80568 [  $-(2x^6+3x^5+x^2-x-2)/(x-1)/(x+1)/(x^2-x+1)/(2x^3+2x^2-1)$  ogf]  
A285675 13.1564 [  $-(-2x^2-3x-2)/(-x^4+2x^2-1)$  ogf\_with\_Euler\_transform]  
A285766 10.6721 [  $-x^2(x^3+3x^2-8x+6)/(x-1)^3$  ogf]  
A285766 10.8125 [  $-(6x^2-10x+10)/(x^4+2x^3-11x^2+14x-6)$  lgdogf]  
A285766 4.44190 [  $\{(50n^2-15n-35)a(n+1)+(-73n^2+172n+210)a(n+2)+(23n^2-103n-126)a(n+3), a(0) = 0, a(1) = 0, a(2) = 6\}$ , ogf]  
A285775 6.41191 [  $-(100x^7-100x^6-x^5+x^4-100x^3+100x^2-10x-1)/(x+1)/(x-1)/(10x+1)/(10x-1)$  ogf]  
A285776 5.87758 [  $-(100000x^7-10000x^6-100000x^5+10000x^4-10x^3+x^2-x-1)/(x+1)/(x-1)/(10x+1)/(10x-1)$  ogf]  
A285777 7.71628 [  $-(4x^7-4x^6-x^5+x^4-4x^3+4x^2-2x-1)/(x-1)/(2x+1)/(2x-1)/(x+1)$  ogf]  
A285778 7.37345 [  $-(32x^7-16x^6-32x^5+16x^4-2x^3+x^2-x-1)/(x-1)/(2x+1)/(2x-1)/(x+1)$  ogf]  
A285794 12.3849 [  $(x^2-x-1)/(3x^3+2x^2+x-1)$  ogf]  
A285794 6.74534 [  $\{-a(n+3)+a(n+2)+2a(n+1)+3a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$ , ogf]  
A285794 8.12342 [  $-(3x^4-6x^3-12x^2-2x-2)/(3x^5-x^4-4x^3-4x^2+1)$  lgdogf]  
A285795 4.27563 [  $\{(n^3+7n^2+14n+8)a(n)+(-2n^2-11n-13)a(n+1)+(n+3)a(n+2), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A285834 6.73222 [  $-(16x^{12}-28x^{10}+6x^8+4x^6-x^4-6x^3-4x^2+3x+1)/(x-1)/(2x+1)/(2x-1)/(x+1)/(2x^2-1)$  ogf]  
A285835 6.14709 [  $-(256x^{12}-448x^{10}+192x^8+16x^6-16x^4-6x^3-x^2+3x+1)/(x-1)/(2x+1)/(2x-1)/(x+1)/(2x^2-1)$  ogf]  
A285841 7.11515 [  $-(100x^6-x^4-110x^3-100x^2+11x+1)/(x+1)/(x-1)/(10x+1)/(10x-1)/(10x^2-1)$  ogf]  
A285842 6.66863 [  $-(10000x^6-10000x^4-110x^3-x^2+11x+1)/(x+1)/(x-1)/(10x+1)/(10x-1)/(10x^2-1)$  ogf]  
A285869 11.0203 [  $x^*(x^3-x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A285870 10.2415 [  $x^2*(x^4-x^3+x^2+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A285872 9.10276 [  $x^*(x^5-x^4+x^3+x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A285880 5.15266 [  $-(x^6+2x^5+3x^4+4x^3-5x^2-2x-7)/(x^7+x^6+3x^5+x^4-5x^3-3x^2-7x+1)$  ogf]  
A285927 19.1412 [  $-(-3x-3)/(-x^3+1)$  ogf\_with\_Euler\_transform]  
A285928 13.9167 [  $-(5x^3+5x^2+5x+5)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A285932 12.6889 [  $-(5x^3-5x^2-5x-5)/(x^5-1)$  ogf\_with\_Euler\_transform]  
A285945 7.11515 [  $-(100x^6-x^4-110x^3-100x^2+11x+1)/(x+1)/(x-1)/(10x+1)/(10x-1)/(10x^2-1)$  ogf]  
A285946 6.66863 [  $-(10000x^6-10000x^4-110x^3-x^2+11x+1)/(x+1)/(x-1)/(10x+1)/(10x-1)/(10x^2-1)$  ogf]  
A285955 6.49966 [  $-6x^*(x-1)(x^4+11x^3+27x^2+11x+1)/(x^2+2x-1)/(x^2-2x-1)/(x^2+14x-1)/(x^2-14x-1)$  ogf]  
A285956 8.51307 [  $-2x^4(17x^3+3x^2+3x+1)/(x+1)^3/(x-1)^5$  ogf]  
A285956 9.18076 [  $-(-85x^4-52x^3-78x^2-20x-5)/(-17x^5-3x^4+14x^3+2x^2+3x+1)$  lgdogf]  
A285984 8.22644 [  $-22x^*(5x^2+12x+5)/(x-1)/(x^4-970x^2+1)$  ogf]  
A285985 5.86669 [  $-9x^*(x^6+24x^5+387x^4+864x^3+387x^2+24x+1)/(x-1)/(x^2+6x+1)/(x^2-6x+1)/(x^2-34x+1)/(x^2+34x+1)$  ogf]  
A285988 8.70661 [  $-(-2x^4-7x^3-12x^2-7x-2)/(x^6-3x^4+3x^2-1)$

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ogf_with_Euler_transform]
A285990 6.13115 [ -(-2*x^6-15*x^5-46*x^4-60*x^3-46*x^2-15*x-2)/(-
x^8+4*x^6-6*x^4+4*x^2-1) ogf_with_Euler_transform]
A285998 12.7958 [ -(-18*x^2-10*x-4)/(-3*x^3-x^2+3*x+1) lgdogf]
A285998 4.24384 [ {(-n-4)*a(n+4)+(-5-3*n)*a(n+3)+(12+n)*a(n+2)+(21+3*n)*a(n+1),
a(0) = 1, a(1) = 4, a(2) = 7, a(3) = 16}, ogf]
A285998 9.93559 [ (3*x+1)/(x+1)^3/(x-1)^4 ogf]
A286032 5.95842 [ {(n+3)*a(n+1)+a(n+3)-a(n+2), a(0) = 1, a(1) = 1, a(2) = -1},
ogf]
A286035 6.46170 [ -495*x*(37*x^2+388*x+37)/(x-1)/(x^2+970*x+1)/(x^2-970*x+1)
ogf]
A286062 12.8971 [ -(2*x^2+x-2)/(x^3-x^2-2*x+1) ogf]
A286062 7.02431 [ {a(n+3)-2*a(n+2)-a(n+1)+a(n), a(0) = 2, a(1) = 3, a(2) = 6},
ogf]
A286062 8.55134 [ -(2*x^4+2*x^3-3*x^2+3)/(2*x^5-x^4-7*x^3+2*x^2+5*x-2) lgdogf]
A286175 10.1774 [ -1/2*(5*x^3-11*x^2+2*x+8)/(x-1)^3 egf]
A286175 3.63479 [ {(837*n^3+1739*n^2+902*n)*a(n)+(1466*n^3+9441*n^2+17727*n
+9804)*a(n+1)+(-1466*n^2-4414*n-2964)*a(n+2), a(0) = 4, a(1) = 13}, ogf]
A286175 9.37392 [ -(4*x^2-18*x+26)/(5*x^4-16*x^3+13*x^2+6*x-8) lgdegf]
A286182 7.05821 [ -(3*x^5+5*x^4+8*x^3-6*x^2+5*x-3)/(x-1)^2/(x^2+2*x-1)^2 ogf]
A286183 6.62059 [ -(2*x^5-9*x^4+15*x^3-12*x^2+9*x-3)/(x-1)^2/(x^2-3*x+1)^2 ogf]
A286184 7.37485 [ -(3*x-2)*(8*x^3-16*x^2+13*x-3)/(3*x-1)/(2*x-1)^2/(x-1)^2 ogf]
A286185 7.05821 [ -(x^5-3*x^4+4*x^3+2*x^2+3*x-3)/(x-1)^2/(x^2+2*x-1)^2 ogf]
A286186 12.3563 [ -(4*x^2-20*x+7)/(4*x-1)/(x-1)^2 ogf]
A286186 6.72011 [ {a(n+3)-6*a(n+2)+9*a(n+1)-4*a(n), a(0) = 7, a(1) = 22, a(2) =
73}, ogf]
A286186 8.41860 [ -(16*x^3-144*x^2+96*x-22)/(16*x^4-100*x^3+132*x^2-55*x+7)
lgdogf]
A286187 5.07265 [ -(48*x^7-64*x^6+8*x^5-32*x^4+101*x^3-92*x^2+39*x-6)/(x-1)^2/
(4*x^3+2*x^2-5*x+1)^2 ogf]
A286188 7.37660 [ -2*(3*x^4+x^3+10*x^2+5*x-3)/(2*x^2+3*x-1)/(x-1)^3 ogf]
A286191 10.4503 [ (14*x^2-11*x+3)/(4*x-1)/(2*x-1)/(x-1)^2 ogf]
A286191 3.66767 [ {(-48*n-104)*a(n+1)+(84*n+134)*a(n+2)+(-42*n-55)*a(n+3)+(6*n
+7)*a(n+4), a(0) = 3, a(1) = 13, a(2) = 55, a(3) = 233}, ogf]
A286191 6.75111 [ -(224*x^4-348*x^3+232*x^2-85*x+13)/
(112*x^5-284*x^4+276*x^3-133*x^2+32*x-3) lgdogf]
A286264 11.9628 [ -(x^3+x^2-x+3)/(x+1)/(x-1)^3 ogf]
A286264 8.50965 [ -(x^4-4*x^3-2*x^2-12*x-5)/(-x^5-x^4+2*x^3-2*x^2-x+3) lgdogf]
A286286 4.91029 [ {(2*n+3)*a(n+1)+(-2*n-6)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1,
a(2) = 4}, ogf]
A286311 12.4287 [ -x*(2*x^2-x+1)/(x^2-x+1)/(x^2+x-1) ogf]
A286346 17.0485 [ -(-12*x-24)/(x^2-1) ogf_with_Euler_transform]
A286350 12.4287 [ -x*(x^2-2*x+2)/(x^2-x+1)/(x^2+x-1) ogf]
A286350 7.76793 [ -(-2*x^5+6*x^4-8*x^3+2*x-2)/(-x^6+2*x^5-x^4-4*x^3+7*x^2-6*x+2)
lgdogf]
A286355 5.59577 [ (2*x^12+x^11+2*x^10+x^9+2*x^8+x^7+2*x^6+x^5+2*x^4+x^3+2*x^2+x
+1)/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]
A286390 10.5965 [ -x*(x^2-x+2)/(x^2-x+1)/(x^2-x-1) ogf]
A286399 12.9294 [ -(-12*x^2-4*x-8)/(x^3+x^2+x+1) ogf_with_Euler_transform]
A286429 10.9081 [ -x^4*(7*x^2-21*x+16)/(x-1)^3 ogf]
A286429 11.2242 [ -(-7*x^2+28*x-27)/(-7*x^3+28*x^2-37*x+16) lgdogf]
A286430 6.79876 [ -2*x^4*(5*x^2-15*x+18)/(x-1)^3 ogf]
A286430 7.09436 [ -(-5*x^2+20*x-39)/(-5*x^3+20*x^2-33*x+18) lgdogf]
A286437 12.7036 [ -(-2*x^3+6*x+16)/(-x^4+2*x^3+2*x-3) lgdogf]
A286437 3.93206 [ {(11*n^2+79*n+114)*a(n+1)+(-20*n^2-80*n+36)*a(n
+2)+(9*n^2+9*n-18)*a(n+3), a(0) = 0, a(1) = 9, a(2) = 48, a(3) = 153, a(4) =
372}, ogf]
A286437 9.07399 [ 3*x*(x^3-x^2-x-3)/(x-1)^5 ogf]
A286438 5.89176 [ -x*(11*x^6-15*x^5-24*x^4-28*x^3+137*x^2+35*x+4)/(x-1)^7 ogf]
A286439 4.10117 [
x*(38*x^9-45*x^8-144*x^7-306*x^6+1674*x^5-770*x^4-1552*x^3-558*x^2-16*x-1)/

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(x-1)^9 ogf]
A286440 4.18075 [-6*(20*x^10-14*x^9-76*x^8-627*x^7+2379*x^6-789*x^5-4419*x^4+1703*x^3+5429*x^2+13
43*x+91)*x/(x-1)^11 ogf]
A286444 8.15168 [ x*(x^3-5*x^2-x-3)/(x+1)^2/(x-1)^5 ogf]
A286444 8.55926 [ -(4*x^4-22*x^3-18*x^2-34*x-10)/(x^5-5*x^4-2*x^3+2*x^2+x+3)
lgdogf]
A286445 4.12584 [-
x*(2*x^11+5*x^10-5*x^9-22*x^8-39*x^7+44*x^6+121*x^5+188*x^4+121*x^3+55*x^2+8*x
+2)/(x^2+x+1)/(x+1)^3/(x-1)^7 ogf]
A286481 5.39486 [{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 1003062289999939142, a(1) =
10030622998999939142, a(2) = 1003062389989939142}, ogf]
A286481 8.44856 [-2*(501531099954969571*x^2-4950000000*x-501531144999969571)/
(x-1)^2/(x+1) ogf]
A286507 10.9538 [ -(-10*x^2-20*x-1)/(-10*x^3-10*x^2+x+1) lgdogf]
A286507 11.4594 [{-a(n+2)+10*a(n), a(0) = 1, a(1) = 1}, ogf]
A286507 17.7348 [- (x+1)/(10*x^2-1) ogf]
A286508 10.1363 [ -(-100*x^2-20*x-10)/(-100*x^3-10*x^2+10*x+1) lgdogf]
A286508 11.0578 [{a(n+2)-10*a(n), a(0) = 1, a(1) = 10}, ogf]
A286508 16.9724 [- (10*x+1)/(10*x^2-1) ogf]
A286519 5.05801 [{a(n+5)-11*a(n+4)+10*a(n+3), a(0) = 1, a(1) = 11, a(2) = 101,
a(3) = 1111, a(4) = 11111}, ogf]
A286519 9.69451 [- (100*x^4-110*x^3+10*x^2-1)/(10*x-1)/(x-1) ogf]
A286521 11.9419 [- (4*x^4-6*x^3+2*x^2-1)/(2*x-1)/(x-1) ogf]
A286521 6.06426 [{a(n+5)-3*a(n+4)+2*a(n+3), a(0) = 1, a(1) = 3, a(2) = 5, a(3) =
15, a(4) = 31}, ogf]
A286655 6.54405 [-x*(x^2+1)*(x^12+x^7-x^5+x^4+x^3-x^2+1)/(x-1)/
(x^16+x^15+x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1) ogf]
A286716 11.0494 [ x^2*(x^4+x+1)/(x^4+x^3+x^2+x+1)/(x+1)/(x-1)^2 ogf]
A286717 10.0887 [ x*(x^4-x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2 ogf]
A286719 18.0359 [-1/(x-1)/(3*x-1)/(9*x-1)/(7*x-1)/(5*x-1) ogf]
A286719 9.62932 [ -(-4725*x^4+6756*x^3-2850*x^2+460*x-25)/
(-945*x^5+1689*x^4-950*x^3+230*x^2-25*x+1) lgdogf]
A286723 4.77875 [{(-16*n^2-88*n-121)*a(n+1)+(8*n+26)*a(n+2)-a(n+3), a(0) = 1,
a(1) = 10, a(2) = 131}, ogf]
A286725 10.0313 [ -(24*x^2+72*x+18)/(8*x^3+12*x^2-6*x-1) lgdegf]
A286725 5.93154 [{(-2*n^2-16*n-32)*a(n+1)+(n+2)*a(n+2), a(0) = 1, a(1) = 18},
ogf]
A286725 8.31862 [- (4*x^2+8*x+1)/(2*x-1)^5 egf]
A286747 13.5618 [x^2+x^17*(x-1) ogf_with_Euler_transform]
A286747 6.07888 [-x^2*(x+1)*(x^2-x+1)*(x^6+x^3+1)*(x^6-x^3+1)/(x-1)/
(x^18+x^17+x^16+x^15+x^14+x^13+x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x
+1) ogf]
A286770 7.88898 [- (100*x^6-101*x^4-100*x^3+101*x^2-10*x-1)/(x+1)/(x-1)/(10*x
+1)/(10*x-1) ogf]
A286771 6.86522 [- (10000*x^6-10100*x^4-10*x^3+101*x^2-x-1)/(x+1)/(x-1)/(10*x
+1)/(10*x-1) ogf]
A286772 10.1227 [- (4*x^6-5*x^4-4*x^3+5*x^2-2*x-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)
ogf]
A286773 9.25151 [- (8*x^5-4*x^4-8*x^3+3*x^2+x-1)/(x-1)/(2*x-1)/(x+1) ogf]
A286778 11.4087 [ -(-48*x^3+16*x^2+34*x-11)/(-16*x^4+20*x^3-5*x+1) lgdogf]
A286778 13.0864 [ 2*x*(2*x+1)/(4*x-1)/(x-1)/(2*x-1)^2 ogf]
A286778 4.36214 [{(16*n+56)*a(n+1)+(-28*n-90)*a(n+2)+(14*n+39)*a(n
+3)+(-2*n-5)*a(n+4), a(0) = 0, a(1) = 2, a(2) = 22, a(3) = 142}, ogf]
A286810 12.3036 [- (3*x^3-15*x^2+x+1)/(x^2-7*x+1)/(x-1) ogf]
A286810 6.37964 [{-a(n+4)+8*a(n+3)-8*a(n+2)+a(n+1), a(0) = 1, a(1) = 9, a(2) =
49, a(3) = 324}, ogf]
A286810 7.55484 [ -(9*x^4-46*x^3+124*x^2-46*x+9)/
(3*x^6-39*x^5+145*x^4-130*x^3+15*x^2+7*x-1) lgdogf]
A286812 14.6410 [- (209*x-104)/(2*x-1)/(x-1) ogf]
A286812 8.34195 [{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 104, a(1) = 103}, ogf]

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A286812 9.19754 [  $[-(-418x^2+416x-103)/(-418x^3+835x^2-521x+104)]$  lgdogf ]  
A286813 9.34406 [  $[-(-2x^8-x^7-1)/(x^9+x^8+x+1)]$  ogf\_with\_Euler\_transform ]  
A286814 10.4245 [  $[(3x^3+2x^2-5x+2)/(x^2+2x-1)^2]$  ogf ]  
A286814 8.27508 [  $[-(-3x^4+2x^3+6x^2-2x-3)/(-3x^5-8x^4+4x^3+10x^2-9x+2)]$  lgdogf ]  
A286823 4.03471 [  $\{[-a(n+4)+10a(n+3)+a(n+2)-10a(n+1), a(0) = 1, a(1) = 10, a(2) = 111, a(3) = 1110, a(4) = 11101, a(5) = 111110]\}$ , ogf ]  
A286823 8.83551 [  $[(100x^5-10x^4+10x^2+1)/(x-1)/(10x-1)/(x+1)]$  ogf ]  
A286824 3.88400 [  $\{[a(n+4)-a(n+3)-100a(n+2)+100a(n+1), a(0) = 1, a(1) = 1, a(2) = 111, a(3) = 111, a(4) = 10111, a(5) = 11111]\}$ , ogf ]  
A286824 7.95295 [  $[(1000x^5-1000x^4+10x^2+1)/(x-1)/(10x+1)/(10x-1)]$  ogf ]  
A286832 5.96585 [  $[(90000x^8-10000000x^6+1)/(10x-1)/(10000x^8+10000000x^6-1)]$  ogf ]  
A286850 8.39356 [  $[-2*(4x^5+4x^4-2x^3-x^2-2x-1)/(8x^6-4x^4-2x^3-2x^2+1)]$  ogf ]  
A286864 5.81671 [  $[(11090000x^8+21100x^4+11)/(10x-1)/(11110000x^8-10100x^4-11)]$  ogf ]  
A286879 5.97602 [  $[-(2x^8-x^7-29x^6+75x^5-94x^4+67x^3-28x^2+7x-2)/(x-1)^6]$  ogf ]  
A286887 9.47335 [  $[-(x+1)*(x^4-x^2+x-2)/(x^6-x^4-x^2-x+1)]$  ogf ]  
A286902 8.14660 [  $[(15x^4+6x^3+x^2-x-1)/(5x^5+4x^4+3x^3+2x^2+x-1)]$  ogf ]  
A286910 12.8970 [  $[(2x^2+2x-3)/(x^3+2x^2+x-1)]$  ogf ]  
A286910 7.02424 [  $\{[-a(n+3)+a(n+2)+2a(n+1)+a(n), a(0) = 3, a(1) = 1, a(2) = 5]\}$ , ogf ]  
A286910 8.19495 [  $[-(-2x^4-4x^3+7x^2+8x+1)/(-2x^5-6x^4-3x^3+6x^2+5x-3)]$  lgdogf ]  
A286911 11.3000 [  $[-(2x+1)*(x-1)/(2x^3-3x^2-6x+1)]$  ogf ]  
A286911 6.10002 [  $\{[a(n+3)-6a(n+2)-3a(n+1)+2a(n), a(0) = 1, a(1) = 7, a(2) = 43]\}$ , ogf ]  
A286911 7.03369 [  $[-(-4x^4+4x^3-9x^2-2x-7)/(-4x^5+8x^4+11x^3-11x^2-5x+1)]$  lgdogf ]  
A286930 5.52260 [  $[-72x*(x+1)*(x^4+56x^3+246x^2+56x+1)/(x-1)^7]$  ogf ]  
A286938 8.21391 [  $[-(2x^4-3x^3+x^2-x+2)/(x-1)/(x^4-2x^3-x+1)]$  ogf ]  
A286945 10.5396 [  $[-(x^4+x^3+x^2+1)/(x^2-x+1)/(x^3+2x^2+x-1)]$  ogf ]  
A286952 15.4804 [  $[-(2x+1)/(x^2+x+1)]$  ogf\_with\_Euler\_transform ]  
A286953 12.1213 [  $[-(3x^2+2x+1)/(x^3+x^2+x+1)]$  ogf\_with\_Euler\_transform ]  
A286954 4.28848 [  $-x*(14x^{12}-11x^9-20x^8+9x^7+16x^6+7x^5-5x^3-4x^2-3x-2)/(x^{14}-x^{11}-2x^{10}+x^9+2x^8+x^7-x^5-x^4-x^3-x^2+1)]$  ogf ]  
A286970 14.9845 [  $[-1/(x^{11}+x^7+x^5+x^3+x^2-1)]$  ogf ]  
A286970 8.12244 [  $[-(11x^{10}+7x^6+5x^4+3x^2+2x)/(x^{11}+x^7+x^5+x^3+x^2-1)]$  lgdogf ]  
A286983 11.0274 [  $[(3x^2+x-1)/(x+1)/(x^2-3x+1)/(x^2+x-1)]$  ogf ]  
A286985 6.60594 [  $[-(3x^5-19x^4+70x^3-74x^2+35x-7)/(x-1)^2/(x^2+2x-1)^2]$  ogf ]  
A286986 7.48156 [  $[-(-2x^4-12x^3-3x^2+27x-15)/(-2x^5+3x^4+4x^3+9x^2-12x+3)]$  lgdogf ]  
A286986 9.59174 [  $[-(2x^3+3x^2+3x-3)/(x^2-3x+1)^2]$  ogf ]  
A287057 10.9235 [  $[(x^3-3x^2-3x-3)/(x+1)/(x-1)^3]$  ogf ]  
A287057 8.37466 [  $[-(x^4-4x^3-12x^2-24x-9)/(x^5-3x^4-4x^3+3x+3)]$  lgdogf ]  
A287062 7.80052 [  $[-(8x^3+63x^2+62x+11)/(x+1)/(2x^3+19x^2+12x-1)]$  ogf ]  
A287063 6.17607 [  $[-(32x^5-92x^4+126x^3-81x^2+24x-3)/(4x-1)/(2x-1)^2/(x-1)^3]$  ogf ]  
A287082 13.8064 [  $[-2*(8x+3)/(8x^2+6x-1)]$  ogf ]  
A287082 7.65175 [  $\{[a(n+2)-6a(n+1)-8a(n), a(0) = 6, a(1) = 52]\}$ , ogf ]  
A287082 9.07279 [  $[-(64x^2+48x+26)/(64x^3+72x^2+10x-3)]$  lgdogf ]  
A287090 10.5133 [  $[-(-x^2-4x-1)/(-x^5+5x^4-10x^3+10x^2-5x+1)]$  ogf\_with\_Euler\_transform ]  
A287091 24.6428 [  $[1/(x^2+x+1)/(x^6+x^3+1)/(x^{18}+x^9+1)/(x-1)^2]$  ogf ]  
A287120 6.04272 [  $[-(x^7-x^6+x^5-5x^4-7x^3+x^2+5x+1)/(x^3-x^2-3x+1)/(x^6+3x^4-x^2-1)]$  ogf ]

A287128 8.42212 [  $-(4*x^4-3*x^3+x^2-3*x+2)/(x-1)/(2*x^4-2*x^3-2*x+1)$  ogf]  
A287129 6.62952 [  $(1000*x^9-10*x^7-1100*x^6+111*x^4+100*x^3-101*x^2+10*x+1)/(x+1)/(x-1)/(10*x+1)/(10*x-1)$  ogf]  
A287130 5.76985 [  $(1000000*x^9-1000000*x^7-11000*x^6+11100*x^4+10*x^3-101*x^2+x+1)/(x+1)/(x-1)/(10*x+1)/(10*x-1)$  ogf]  
A287131 8.36676 [  $(8*x^9-2*x^7-12*x^6+7*x^4+4*x^3-5*x^2+2*x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A287132 7.71610 [  $(64*x^9-64*x^7-24*x^6+28*x^4+2*x^3-5*x^2+x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A287143 14.3253 [  $-(7*x^3+25*x^2+14*x+4)/(x^4+3*x^3-3*x-1)$  lgdogf]  
A287143 9.38115 [  $-x*(x^2+3*x+1)/(x+1)^4/(x-1)^5$  ogf]  
A287169 8.66913 [  $-(12*x^4-42*x^3+27*x^2-1)/(x-1)/(4*x^3-17*x^2+10*x-1)$  ogf]  
A287185 7.32139 [  $-(x^7+5*x^6+4*x^5-x^2-4*x-2)/(x-1)/(x^3+3*x^2-1)/(x^4+x^3+x^2+x+1)$  ogf]  
A287190 8.02521 [  $-(1100*x^6-111*x^4-100*x^3+101*x^2-10*x-1)/(x+1)/(x-1)/(10*x+1)/(10*x-1)$  ogf]  
A287191 6.86522 [  $-(11000*x^6-11100*x^4-10*x^3+101*x^2-x-1)/(x+1)/(x-1)/(10*x+1)/(10*x-1)$  ogf]  
A287192 9.99929 [  $-(12*x^6-7*x^4-4*x^3+5*x^2-2*x-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A287193 9.51693 [  $-(24*x^6-28*x^4-2*x^3+5*x^2-x-1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A287194 8.86738 [  $(1100*x^5-11*x^3-100*x^2+11*x+1)/(x+1)/(x-1)/(10*x+1)/(10*x-1)$  ogf]  
A287195 11.2430 [  $-(-12*x^3-9*x^2-3*x-3)/(-2*x^4-x^3+2*x+1)$  lgdogf]  
A287195 11.8948 [  $-(2*x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A287196 8.58989 [  $(1100*x^5-1100*x^3-x^2+11*x+1)/(x+1)/(x-1)/(10*x+1)/(10*x-1)$  ogf]  
A287197 11.1311 [  $(12*x^5-3*x^3-4*x^2+3*x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A287199 10.3910 [  $(12*x^5-12*x^3-x^2+3*x+1)/(x-1)/(2*x+1)/(2*x-1)/(x+1)$  ogf]  
A287271 7.48571 [  $x*(x^{19}-2*x^{15}-2*x^{10}-2*x^9-2*x^4-3*x^3-2*x^2-2*x-1)/(x-1)/(x+1)/(x^2+1)$  ogf]  
A287275 11.2243 [  $-(x^3-3*x+1)/(x-1)/(x^3-x^2-3*x+1)$  ogf]  
A287276 6.63592 [  $-(x^7+x^5-6*x^4-x^2+4*x-1)/(x^8-x^7-7*x^5+7*x^4+x^3+4*x^2-5*x+1)$  ogf]  
A287324 18.7798 [  $-(x-9)/(-x^2+1)$  lgdogf]  
A287324 39.0780 [[9-5\*x] ogf\_with\_Euler\_transform]  
A287324 6.21285 [  $\{(-2-n)*a(n+3)+9*a(n+2)+(-1+n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 9\}$ , ogf]  
A287324 8.34656 [  $x*(x+1)^5/(x-1)^4$  ogf]  
A287327 10.4971 [  $-(-49*x^2+28*x-7)/(-49*x^3+63*x^2-21*x+2)$  lgdogf]  
A287327 16.0955 [  $-(7*x-2)/(7*x^2-7*x+1)$  ogf]  
A287327 8.83290 [  $\{a(n+2)-7*a(n+1)+7*a(n), a(0) = 2, a(1) = 7\}$ , ogf]  
A287335 10.5444 [  $(x+2)*(x^2+16*x+1)/(x-1)^4$  ogf]  
A287335 4.20711 [  $\{(-23*n^2-149*n-206)*a(n+1)+(-392*n^2-3344*n-7252)*a(n+2)+(415*n^2+2179*n+2802)*a(n+3), a(0) = 2, a(1) = 41, a(2) = 170\}$ , ogf]  
A287335 9.57480 [  $-(x^3+39*x^2+135*x+41)/(x^4+17*x^3+15*x^2-31*x-2)$  lgdogf]  
A287349 10.0388 [  $-(2*x^3-8*x^2+11*x-4)/(x^2-3*x+1)^2$  ogf]  
A287349 7.62562 [  $-(2*x^4-10*x^3+27*x^2-33*x+13)/(2*x^5-14*x^4+37*x^3-45*x^2+23*x-4)$  lgdogf]  
A287350 12.4916 [  $-(6*x^2-14*x+5)/(2*x-1)/(x^2-3*x+1)$  ogf]  
A287350 6.79368 [  $\{-a(n+3)+5*a(n+2)-7*a(n+1)+2*a(n), a(0) = 5, a(1) = 11, a(2) = 26\}$ , ogf]  
A287350 7.17110 [  $-(-12*x^4+56*x^3-98*x^2+58*x-11)/(-12*x^5+70*x^4-138*x^3+111*x^2-39*x+5)$  lgdogf]  
A287381 12.7643 [  $-(x^2-2*x-2)/(x^3-2*x^2-x+1)$  ogf]  
A287381 6.95198 [  $\{a(n+3)-a(n+2)-2*a(n+1)+a(n), a(0) = 2, a(1) = 4, a(2) = 7\}$ , ogf]  
A287381 8.46328 [  $-(x^4-4*x^3-x^2+6*x+4)/(x^5-4*x^4+x^3+7*x^2-2)$  lgdogf]  
A287384 10.1502 [[1] ogf\_with\_Euler\_transform]  
A287392 10.8685 [  $-x*(x+1)*(x^4-x^3+x^2-x+1)/(x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]

A287392 28.0018 [-x^9+3\*x^4+1 ogf\_with\_Euler\_transform]  
A287393 11.8024 [ 2\*x/(x^2+x+1)/(x^2-x+1)/(x-1)^2 ogf]  
A287393 27.9829 [[x^5-x+2] ogf\_with\_Euler\_transform]  
A287393 8.48297 [-(6\*x^4-4\*x^3+4\*x^2-2\*x+2)/(x^5-x^4+x^3-x^2+x-1) lgdogf]  
A287394 28.2729 [x^8-x^2+2 ogf\_with\_Euler\_transform]  
A287394 9.68005 [ 2\*x/(x^6+x^3+1)/(x-1)^2 ogf]  
A287396 5.61998 [{-a(n+3)+56\*a(n+2)-784\*a(n+1)+3136\*a(n), a(0) = 3, a(1) = 56, a(2) = 1568}, ogf]  
A287396 9.65686 [ -(28\*x-1)\*(28\*x-3)/(3136\*x^3-784\*x^2+56\*x-1) ogf]  
A287405 5.45214 [{-a(n+3)+35\*a(n+2)-147\*a(n+1)+49\*a(n), a(0) = 3, a(1) = 35, a(2) = 931}, ogf]  
A287405 9.54125 [ -(21\*x-1)\*(7\*x-3)/(49\*x^3-147\*x^2+35\*x-1) ogf]  
A287425 5.93594 [ -(2\*x^6-4\*x^5+8\*x^4-9\*x^3+11\*x^2-9\*x+3)/(x-1)/(x^3-x^2+2\*x-1)^2 ogf]  
A287426 3.76918 [{(8\*n+18)\*a(n+1)+(4\*n+17)\*a(n+2)+(-16\*n-24)\*a(n+3)+(4\*n+5)\*a(n+4), a(0) = 3, a(1) = 14, a(2) = 47, a(3) = 164}, ogf]  
A287426 9.98587 [ -(2\*x^3-8\*x^2-x+3)/(2\*x^2+3\*x-1)/(x-1)^2 ogf]  
A287430 10.8606 [ -(126\*x^2+547\*x-115)/(7\*x-1)^2 ogf]  
A287430 5.91517 [{-a(n+3)+14\*a(n+2)-49\*a(n+1), a(0) = 115, a(1) = 1063, a(2) = 9121}, ogf]  
A287430 9.20138 [ -(-4081\*x+1063)/(-882\*x^3-3703\*x^2+1352\*x-115) lgdogf]  
A287431 3.84247 [{(16\*n+52)\*a(n+1)+(-8\*n-10)\*a(n+2)+(-12\*n-31)\*a(n+3)+(4\*n+9)\*a(n+4), a(0) = 7, a(1) = 21, a(2) = 45, a(3) = 129}, ogf]  
A287431 6.67547 [ -(-48\*x^5+208\*x^4+88\*x^3-12\*x^2-57\*x+21)/(-48\*x^6+152\*x^5-150\*x^4+25\*x^3+28\*x^2-28\*x-7) lgdogf]  
A287431 9.97096 [ -(12\*x^3-32\*x^2-7\*x+7)/(4\*x^2+2\*x-1)/(x-1)^2 ogf]  
A287439 13.5353 [ -(3\*x^2+4\*x+2)/(2\*x^3+2\*x^2-1) ogf]  
A287439 7.63872 [ -(-6\*x^4-16\*x^3-20\*x^2-14\*x-4)/(-6\*x^5-14\*x^4-12\*x^3-x^2+4\*x+2) lgdogf]  
A287439 8.20756 [{a(n+3)-2\*a(n+1)-2\*a(n), a(0) = 2, a(1) = 4, a(2) = 7}, ogf]  
A287468 12.3845 [ -(-40\*x^3+22\*x)/(-10\*x^4+11\*x^2-1) lgdogf]  
A287468 19.0530 [ 1/(x-1)/(x+1)/(10\*x^2-1) ogf]  
A287469 15.3596 [ 1/(10\*x+1)/(10\*x-1)/(10\*x^2-1) ogf]  
A287469 9.77430 [ -(-4000\*x^3+220\*x)/(-1000\*x^4+110\*x^2-1) lgdogf]  
A287470 12.1152 [ -(-32\*x^3+12\*x)/(-8\*x^4+6\*x^2-1) lgdogf]  
A287470 18.9914 [ 1/(2\*x+1)/(2\*x-1)/(2\*x^2-1) ogf]  
A287471 7.57744 [ (12\*x^2-28\*x+13)/(4\*x-1)/(2\*x-1)^2/(x-1)^3 ogf]  
A287474 5.25381 [{a(n+3)-5\*a(n+2)-3\*a(n+1)-9\*a(n), a(0) = 3, a(1) = 5, a(2) = 31}, ogf]  
A287474 9.57550 [ (3\*x^2+10\*x-3)/(9\*x^3+3\*x^2+5\*x-1) ogf]  
A287479 12.1632 [ -(-3\*x^2-6\*x+1)/(-3\*x^3-3\*x^2-x-1) lgdogf]  
A287479 17.2988 [ x\*(x+1)/(3\*x^2+1) ogf]  
A287479 9.37884 [{a(n+3)+3\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 1}, ogf]  
A287485 13.3944 [ -2\*(6\*x^2+8\*x+1)/(4\*x^3+8\*x^2+2\*x-1) ogf]  
A287485 7.40218 [{-a(n+3)+2\*a(n+2)+8\*a(n+1)+4\*a(n), a(0) = 2, a(1) = 20, a(2) = 68}, ogf]  
A287485 8.03665 [ -(-24\*x^4-64\*x^3-64\*x^2-28\*x-10)/(-24\*x^5-80\*x^4-80\*x^3-18\*x^2+6\*x+1) lgdogf]  
A287497 8.02595 [ -(6\*x^5-8\*x^3+9\*x^2+8\*x+1)/(x^6-2\*x^4+3\*x^3+4\*x^2+x-1) ogf]  
A287498 8.97128 [ -x\*(4\*x^2+9\*x+4)/(x^4+3\*x^3+2\*x^2-1) ogf]  
A287504 4.07852 [ (1211000000\*x^10+13190000\*x^8+12090000\*x^6+11100\*x^4+11)/(10\*x-1)/(10000\*x^8-100\*x^4-1100\*x^2-11) ogf]  
A287525 8.03151 [ -(x^5+2\*x^4+3\*x^3+x^2+2\*x+2)/(x+1)/(x^2-x+1)/(x^2+x-1) ogf]  
A287582 4.80787 [ -(2\*x^9+7\*x^8-6\*x^6-x^5+11\*x^4+x^3-3\*x+1)/(x^2+x-1)/(2\*x^6+3\*x^5-6\*x^3-3\*x^2-x+1)/(x-1)^2 ogf]  
A287592 6.59974 [ x\*(52\*x^4-94\*x^3+59\*x^2-16\*x+2)/(4\*x-1)/(2\*x-1)^2/(x-1)^3 ogf]  
A287594 12.4204 [ (2\*x^2-8\*x+3)/(2\*x-1)/(2\*x^2+2\*x-1) ogf]  
A287594 6.70480 [{-a(n+3)+4\*a(n+2)-2\*a(n+1)-4\*a(n), a(0) = 3, a(1) = 4, a(2) = 12}, ogf]  
A287594 7.42786 [ -(-8\*x^4+64\*x^3-28\*x^2-8\*x+4)/(-8\*x^5+28\*x^4+12\*x^3-40\*x^2+20\*x-3) lgdogf]



A287655 5.20897 [  $-x^*(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A287700 7.47220 [  $-(17966*x^3+40446*x^2+10362*x+346)/(8983*x^4-4484*x^3-4158*x^2-340*x-1)$  lgdogf]  
A287700 7.92506 [  $-x*(8983*x^3+4499*x^2+341*x+1)/(x-1)^5$  ogf]  
A287701 7.54410 [  $x*(966751*x^4+660746*x^3+98256*x^2+2246*x+1)/(x-1)^6$  ogf]  
A287702 10.6563 [  $x*(163*x^2+52*x+1)/(x-1)^4$  ogf]  
A287702 10.9443 [  $-(326*x^2+482*x+56)/(163*x^3-111*x^2-51*x-1)$  lgdogf]  
A287702 3.89363 [  $\{(n+3)*a(n+4)+(46+51*n)*a(n+3)+(-371+111*n)*a(n+2)+(-326-163*n)*a(n+1), a(0) = 0, a(1) = 1, a(2) = 56, a(3) = 381\}$ , ogf]  
A287733 8.74318 [  $6*(x^2+4*x+1)*(x^2-x+1)/(x-1)^2/(x^2+1)^2$  ogf]  
A287742 13.5429 [  $1/(x-1)/(10*x^2-1)/(x^2+1)$  ogf]  
A287742 7.30255 [  $(-50*x^4+40*x^3-27*x^2+18*x+1)/(-10*x^5+10*x^4-9*x^3+9*x^2+x-1)$  lgdogf]  
A287743 10.4382 [  $1/(10*x-1)/(100*x^2+1)/(10*x^2-1)$  ogf]  
A287744 14.2737 [  $1/(x-1)/(x^2+1)/(2*x^2-1)$  ogf]  
A287744 8.38764 [  $(-10*x^4+8*x^3-3*x^2+2*x+1)/(-2*x^5+2*x^4-x^3+x^2+x-1)$  lgdogf]  
A287745 14.4973 [  $1/(2*x-1)/(4*x^2+1)/(2*x^2-1)$  ogf]  
A287745 7.82852 [  $(-80*x^4+32*x^3+12*x^2-4*x+2)/(-16*x^5+8*x^4+4*x^3-2*x^2+2*x-1)$  lgdogf]  
A287746 9.04384 [  $(x^2+4*x+1)*(x^2-x+1)/(x-1)^2/(x^2+1)^2$  ogf]  
A287765 10.3260 [  $(-3*x^4-4*x^3+2*x^2-4*x-3)/(-3*x^5+x^4-2*x^3+2*x^2+x+1)$  lgdogf]  
A287765 16.2507 [  $(-3*x^2+2*x+1)/(x-1)/(x^2+1)$  ogf]  
A287765 8.85083 [  $\{a(n+3)-a(n+2)+a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 5\}$ , ogf]  
A287793 4.61532 [  $-x*(x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf]  
A287798 11.1105 [  $(-14*x^2-14*x+6)/(-14*x^3-617*x^2+630*x-159)$  lgdogf]  
A287798 16.5523 [  $(7*x^2+312*x-159)/(2*x-1)$  ogf]  
A287798 9.43097 [  $\{-a(n+3)+2*a(n+2), a(0) = 159, a(1) = 6, a(2) = 5\}$ , ogf]  
A287804 12.6894 [  $(-3*x^2-1)/(x^3+5*x^2-5*x+1)$  ogf]  
A287804 6.40087 [  $\{-a(n+3)+5*a(n+2)-5*a(n+1)-a(n), a(0) = 1, a(1) = 5, a(2) = 17\}$ , ogf]  
A287804 7.86193 [  $(-3*x^4-12*x^2+16*x-5)/(-3*x^5-15*x^4+16*x^3+2*x^2-5*x+1)$  lgdogf]  
A287805 11.0964 [  $-(x+1)*(2*x^2-1)/(6*x^3-x^2-4*x+1)$  ogf]  
A287805 5.71384 [  $\{-a(n+4)+4*a(n+3)+a(n+2)-6*a(n+1), a(0) = 1, a(1) = 5, a(2) = 19, a(3) = 73\}$ , ogf]  
A287805 6.96049 [  $(-14*x^4+4*x^3-15*x^2-2*x+5)/(12*x^6+10*x^5-16*x^4-11*x^3+7*x^2+3*x-1)$  lgdogf]  
A287806 11.0095 [  $-(x^3+2*x^2-x-1)/(3*x^3+2*x^2-5*x+1)$  ogf]  
A287806 5.62708 [  $\{-a(n+4)+5*a(n+3)-2*a(n+2)-3*a(n+1), a(0) = 1, a(1) = 6, a(2) = 26, a(3) = 114\}$ , ogf]  
A287806 7.23482 [  $(-4*x^4+4*x^3-4*x^2-8*x+6)/(3*x^6+8*x^5-4*x^4-14*x^3+5*x^2+4*x-1)$  lgdogf]  
A287807 14.7228 [  $-(2*x^2-1)/(6*x^2-6*x+1)$  ogf]  
A287807 7.00405 [  $\{a(n+3)-6*a(n+2)+6*a(n+1), a(0) = 1, a(1) = 6, a(2) = 28\}$ , ogf]  
A287807 9.49233 [  $(-12*x^2-16*x+6)/(12*x^4-12*x^3-4*x^2+6*x-1)$  lgdogf]  
A287808 9.66418 [  $(-2*x^4-4*x^2+1)/(6*x^4-6*x^3-8*x^2+7*x-1)$  ogf]  
A287809 9.24568 [  $(-2*x^2-1)*(x^2-x-1)/(6*x^4-13*x^3+6*x-1)$  ogf]  
A287810 10.4815 [  $-(x+1)*(2*x^2-1)/(10*x^3-x^2-6*x+1)$  ogf]  
A287810 5.39489 [  $\{-a(n+4)+6*a(n+3)+a(n+2)-10*a(n+1), a(0) = 1, a(1) = 7, a(2) = 41, a(3) = 241\}$ , ogf]  
A287810 6.67005 [  $(-22*x^4+4*x^3-23*x^2-2*x+7)/(20*x^6+18*x^5-24*x^4-19*x^3+9*x^2+5*x-1)$  lgdogf]  
A287811 10.8669 [  $(-3*x^2-6*x-7)/(-3*x^3-9*x^2-5*x+1)$  lgdogf]  
A287811 15.4552 [  $-(x+1)/(3*x^2+6*x-1)$  ogf]  
A287811 8.48151 [  $\{a(n+2)-6*a(n+1)-3*a(n), a(0) = 1, a(1) = 7\}$ , ogf]  
A287812 8.01514 [  $-(x+1)*x^3-3*x^2+1)/(3*x^4-10*x^3-3*x^2+7*x-1)$  ogf]  
A287813 13.1807 [  $-(x^2-x-1)/(3*x^2-7*x+1)$  ogf]  
A287813 6.78228 [  $\{a(n+3)-7*a(n+2)+3*a(n+1), a(0) = 1, a(1) = 8, a(2) = 52\}$ , ogf]

A287813 9.56952  $[-(4*x^2-8*x+8)/(3*x^4-10*x^3+5*x^2+6*x-1) \text{ lgdogf}]$   
A287814 11.4668  $[-(x+1)*(2*x^2-1)/(10*x^3-7*x+1) \text{ ogf}]$   
A287814 6.02491  $[{-a(n+4)+7*a(n+3)-10*a(n+1), a(0) = 1, a(1) = 8, a(2) = 54, a(3) = 366}, \text{ ogf}]$   
A287814 6.46308  $[-(20*x^4+8*x^3-22*x^2-4*x+8)/(20*x^6+20*x^5-24*x^4-22*x^3+9*x^2+6*x-1) \text{ lgdogf}]$   
A287815 11.3338  $[-(-6*x^2-12*x-8)/(-6*x^3-13*x^2-6*x+1) \text{ lgdogf}]$   
A287815 16.6229  $[-(x+1)/(6*x^2+7*x-1) \text{ ogf}]$   
A287815 9.12234  $[{a(n+2)-7*a(n+1)-6*a(n), a(0) = 1, a(1) = 8}, \text{ ogf}]$   
A287816 8.68435  $[-(5*x^4-5*x^2+1)/(x^5+19*x^4-15*x^3-11*x^2+9*x-1) \text{ ogf}]$   
A287817 7.77641  $[-(3*x^2-1)*(x^2-x-1)/(x^5+10*x^4-23*x^3-x^2+8*x-1) \text{ ogf}]$   
A287818 14.9606  $[-(2*x^2-1)/(10*x^2-9*x+1) \text{ ogf}]$   
A287818 7.19262  $[{a(n+3)-9*a(n+2)+10*a(n+1), a(0) = 1, a(1) = 9, a(2) = 69}, \text{ ogf}]$   
A287818 9.84253  $[-(18*x^2-24*x+9)/(20*x^4-18*x^3-8*x^2+9*x-1) \text{ lgdogf}]$   
A287819 5.03689  $[{-a(n+4)+8*a(n+3)+a(n+2)-14*a(n+1), a(0) = 1, a(1) = 9, a(2) = 71, a(3) = 561}, \text{ ogf}]$   
A287819 6.17132  $[-(30*x^4+4*x^3-31*x^2-2*x+9)/(28*x^6+26*x^5-32*x^4-27*x^3+11*x^2+7*x-1) \text{ lgdogf}]$   
A287819 9.78596  $[-(x+1)*(2*x^2-1)/(14*x^3-x^2-8*x+1) \text{ ogf}]$   
A287825 6.80540  $[-(x^5+3*x^4-3*x^3-4*x^2+x+1)/(5*x^5+9*x^4-21*x^3-4*x^2+9*x-1) \text{ ogf}]$   
A287826 11.8685  $[-(3*x^2-1)/(2*x^3+13*x^2-10*x+1) \text{ ogf}]$   
A287826 6.03655  $[{-a(n+3)+10*a(n+2)-13*a(n+1)-2*a(n), a(0) = 1, a(1) = 10, a(2) = 84}, \text{ ogf}]$   
A287826 7.37095  $[-(-6*x^4-24*x^2+32*x-10)/(-6*x^5-39*x^4+32*x^3+10*x^2-10*x+1) \text{ lgdogf}]$   
A287827 8.11872  $[-(2*x^2-1)*(x^2-x-1)/(10*x^4-20*x^3-x^2+9*x-1) \text{ ogf}]$   
A287828 11.5397  $[-(x+1)*(2*x^2-1)/(14*x^3-9*x+1) \text{ ogf}]$   
A287828 6.01229  $[{-a(n+4)+9*a(n+3)-14*a(n+1), a(0) = 1, a(1) = 10, a(2) = 88, a(3) = 776}, \text{ ogf}]$   
A287828 6.38805  $[-(28*x^4+8*x^3-30*x^2-4*x+10)/(28*x^6+28*x^5-32*x^4-30*x^3+11*x^2+8*x-1) \text{ lgdogf}]$   
A287829 10.8865  $[-(-2*x^2-4*x-10)/(-2*x^3-11*x^2-8*x+1) \text{ lgdogf}]$   
A287829 15.9668  $[-(x+1)/(2*x^2+9*x-1) \text{ ogf}]$   
A287829 8.65671  $[{a(n+2)-9*a(n+1)-2*a(n), a(0) = 1, a(1) = 10}, \text{ ogf}]$   
A287830 10.8865  $[-(-4*x^2-8*x-10)/(-4*x^3-13*x^2-8*x+1) \text{ lgdogf}]$   
A287830 15.9668  $[-(x+1)/(4*x^2+9*x-1) \text{ ogf}]$   
A287830 8.65671  $[{a(n+2)-9*a(n+1)-4*a(n), a(0) = 1, a(1) = 10}, \text{ ogf}]$   
A287831 10.7240  $[-(-6*x^2-12*x-10)/(-6*x^3-15*x^2-8*x+1) \text{ lgdogf}]$   
A287831 15.9668  $[-(x+1)/(6*x^2+9*x-1) \text{ ogf}]$   
A287831 8.65671  $[{a(n+2)-9*a(n+1)-6*a(n), a(0) = 1, a(1) = 10}, \text{ ogf}]$   
A287832 7.07403  $[-(2*x^2-1)*(x^4-4*x^2+1)/(10*x^6-9*x^5-39*x^4+28*x^3+14*x^2-11*x+1) \text{ ogf}]$   
A287833 6.38541  $[-(3*x^2-1)*(x^3+2*x^2-x-1)/(x^6+19*x^5+16*x^4-37*x^3-2*x^2+10*x-1) \text{ ogf}]$   
A287834 8.23405  $[-(2*x^2-1)*(x^2-x-1)/(10*x^4-21*x^3-2*x^2+10*x-1) \text{ ogf}]$   
A287835 10.2485  $[-(x+1)*(2*x^2-1)/(14*x^3+x^2-10*x+1) \text{ ogf}]$   
A287835 5.19743  $[{-a(n+4)+10*a(n+3)-a(n+2)-14*a(n+1), a(0) = 1, a(1) = 11, a(2) = 107, a(3) = 1043}, \text{ ogf}]$   
A287835 6.43929  $[-(26*x^4+12*x^3-29*x^2-6*x+11)/(28*x^6+30*x^5-32*x^4-33*x^3+11*x^2+9*x-1) \text{ lgdogf}]$   
A287836 10.5915  $[-(x+1)*(2*x^2-1)/(18*x^3-x^2-10*x+1) \text{ ogf}]$   
A287836 5.37140  $[{-a(n+4)+10*a(n+3)+a(n+2)-18*a(n+1), a(0) = 1, a(1) = 11, a(2) = 109, a(3) = 1081}, \text{ ogf}]$   
A287836 6.71425  $[-(38*x^4+4*x^3-39*x^2-2*x+11)/(36*x^6+34*x^5-40*x^4-35*x^3+13*x^2+9*x-1) \text{ lgdogf}]$   
A287837 10.5758  $[-(-3*x^2-6*x-11)/(-3*x^3-13*x^2-9*x+1) \text{ lgdogf}]$   
A287837 15.1740  $[-(x+1)/(3*x^2+10*x-1) \text{ ogf}]$   
A287837 8.30958  $[{a(n+2)-10*a(n+1)-3*a(n), a(0) = 1, a(1) = 11}, \text{ ogf}]$   
A287838 10.4180  $[-(-5*x^2-10*x-11)/(-5*x^3-15*x^2-9*x+1) \text{ lgdogf}]$

A287838 15.1740 [  $-(x+1)/(5x^2+10x-1)$  ogf]  
A287838 8.30958 [  $\{a(n+2)-10a(n+1)-5a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
A287839 10.4180 [  $-(-7x^2-14x-11)/(-7x^3-17x^2-9x+1)$  lgdogf]  
A287839 15.1740 [  $-(x+1)/(7x^2+10x-1)$  ogf]  
A287839 8.30958 [  $\{a(n+2)-10a(n+1)-7a(n), a(0) = 1, a(1) = 11\}$ , ogf]  
A287865 8.49163 [  $-(12x^8+19x^7+47x^6+23x^5+11x^4+5x^3+7x^2+3x+1)/(x-1)/(x+1)/(x^2+1)/(x^4+1)$  ogf]  
A287866 5.07555 [  $-x*(x^{16}-x^{13}-1)/(x+1)/(x^2+1)/(x^8+1)/(x^4+1)/(x-1)^2$  ogf]  
A287867 7.84584 [  $(x^{45}-x^{43}-x^{17}+x^{15}+x^{13}+x^2-1)/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x-1)^2$  ogf]  
A287893 7.72380 [  $x^3*(x^7-2x^6+x^5-x^3-1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^3$  ogf]  
A287898 9.65040 [  $-(x^2+1)*(x+1)/(x^4+2x^3+2x^2+2x-1)$  ogf]  
A287988 4.14912 [  $-2*(x^2+2x-1)*(2x^6+4x^5+x^4+24x^3-4x^2+20x+1)/(x^3+x^2+3x-1)^2/(x-1)^4$  ogf]  
A287990 27.3438 [-36/(-x-1) ogf\_with\_Euler\_transform]  
A287991 26.2702 [-48/(-x-1) ogf\_with\_Euler\_transform]  
A287992 7.76972 [  $-(16x^4-44x^3+53x^2-18x-1)/(2x-1)^2/(x-1)^4$  ogf]  
A287996 13.3172 [  $-(70x^{28}+30x^{12}+13x^5+6x^2+5)/(x-1)$  ogf]  
A287997 15.2963 [  $(-1/x^{14}+1)*x^{14}/(x+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A287998 14.9009 [  $(x^2+1)*(x^4+1)*(x^8+1)$  ogf\_with\_Euler\_transform]  
A288020 6.71626 [  $(1000x^9-10x^7-1000x^6+10x^4+100x^3-100x^2+10x+1)/(x+1)/(x-1)/(10x+1)/(10x-1)$  ogf]  
A288029 8.90427 [  $-(x^5-x^3-x^2-1)/(x^2+1)/(x^4-2x^2-2x+1)$  ogf]  
A288031 6.05249 [  $-(8x^5+2x^4-41x^3+9x^2+23x+1)/(8x^6+10x^5-95x^4+24x^3+100x^2+20x-1)$  ogf]  
A288037 6.10625 [  $-(232x^5-1146x^4+2308x^3-2393x^2+1296x-285)/(2x-1)^2/(x-1)^4$  ogf]  
A288038 12.6012 [  $-(2x^2-4x+3)/(x-1)/(2x-1)^2$  ogf]  
A288038 6.74273 [  $\{a(n+3)-5a(n+2)+8a(n+1)-4a(n), a(0) = 3, a(1) = 11, a(2) = 33\}$ , ogf]  
A288038 8.93803 [  $-(4x^3-14x^2+22x-11)/(4x^4-14x^3+20x^2-13x+3)$  lgdogf]  
A288040 8.70070 [  $-(9x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-2x-10)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A288075 8.84735 [  $-(4108x^2+17056x+5148)/(632x^3+2074x^2-18x-135)$  lgdogf]  
A288119 7.00868 [  $(3x^9-x^8-x^7+4x^6-x^5+2x^4+x^3+2x^2-x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2$  ogf]  
A288122 20.0418 [  $x^{12}+x^*(x^3+x+1)$  ogf\_with\_Euler\_transform]  
A288122 8.25895 [  $1/(x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A288123 4.31232 [  $(101000000x^{10}+111190000x^8-1010000x^6+21100x^4-100x^2+1)/(10x-1)/(1010000x^8-10100x^4-1)$  ogf]  
A288131 4.77404 [  $(1100x^6+900x^5+1100x^4-9x^3+89x^2-11x-1)/(x-1)/(10x+1)/(10x-1)/(x^2+x+1)/(10x^2-1)/(10x^2+1)$  ogf]  
A288133 4.45764 [  $\{a(n+4)-4a(n+3)+5a(n+2)-2a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7\}$ , ogf]  
A288133 8.52765 [  $(x^3-x^2+2x-1)/(2x-1)/(x-1)^2$  ogf]  
A288136 4.19772 [  $(11000x^6-900x^5+110x^4+900x^3-109x^2-11x-1)/(x-1)/(10x-1)/(x+1)/(10x^2-1)/(100x^2+10x+1)/(10x^2+1)$  ogf]  
A288137 5.94580 [  $(12x^6+4x^5+12x^4-x^3+x^2-3x-1)/(x-1)/(2x+1)/(2x-1)/(x^2+x+1)/(2x^2-1)/(2x^2+1)$  ogf]  
A288138 6.11770 [  $(24x^6-4x^5+6x^4+4x^3-5x^2-3x-1)/(x-1)/(2x-1)/(x+1)/(2x^2+1)/(4x^2+2x+1)/(2x^2-1)$  ogf]  
A288156 11.9224 [  $-(3x^7+x^6+x^5+7x^4+2x^3+4x^2+x+1)/(x^8+x^5-x^3-1)$  lgdogf]  
A288156 21.1085 [  $(x^2-x+1)*x^2*(x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A288156 34.7254 [  $-x^5+x^4+x^2+1$  ogf\_with\_Euler\_transform]  
A288165 19.6499 [  $x^8+x^5+x^3+x^2$  ogf\_with\_Euler\_transform]  
A288165 6.73576 [  $x^4/(x^2+1)/(x^2-x+1)/(x^6+x^3+1)/(x+1)^2/(x^2+x+1)^3/(x-1)^4$  ogf]  
A288166 8.26141 [  $x^8/(x^4-1)+x^{19}/(x^4-1)-x^3/(x-1)/(x^2+1)$  ogf\_with\_Euler\_transform]

A288170 4.01919 [  $\{-2*a(n)*n+(n-2)*a(n+1)+(2*n-1)*a(n+2)+(-n+1)*a(n+3), a(0) = 2, a(1) = 4, a(2) = 8, a(3) = 16, a(4) = 34\}$ , ogf]
  
A288170 9.17320 [  $-2*(x^4+x^3-x^2-x+1)/(x+1)/(2*x-1)/(x-1)^2$  ogf]
  
A288176 11.8368 [  $2*(2*x^2-1)/(x-1)/(x^3-3*x^2-x+1)$  ogf]
  
A288176 7.12402 [  $-(4*x^5-8*x^4-4*x^3+8*x^2-2)/(2*x^6-8*x^5+3*x^4+8*x^3-4*x^2-2*x+1)$  lgdogf]
  
A288206 10.2171 [  $-2*(2*x^3-x^2-x+1)/(x+1)/(2*x-1)/(x-1)^2$  ogf]
  
A288206 5.50150 [  $\{-a(n+4)+3*a(n+3)-a(n+2)-3*a(n+1)+2*a(n), a(0) = 2, a(1) = 4, a(2) = 8, a(3) = 18\}$ , ogf]
  
A288206 8.19495 [  $-(4*x^5-x^3+x^2+2*x-2)/(4*x^6-4*x^5-5*x^4+7*x^3-3*x+1)$  lgdogf]
  
A288219 11.9292 [  $-(x^2+6*x+4)/(x^4+3*x^3+3*x^2-2)$  lgdogf]
  
A288219 15.3053 [  $-(x^2+2*x+2)/(x^2+x-1)$  ogf]
  
A288219 7.95277 [  $\{-a(n+3)+a(n+2)+a(n+1), a(0) = 2, a(1) = 4, a(2) = 7\}$ , ogf]
  
A288229 7.82084 [  $-(x^6-x^5+x^4-x^3+x^2-x+1)*(x+1)^2/(x^7-x^6+2*x^5-x^4+2*x^3-x^2+2*x-1)$  ogf]
  
A288230 5.33785 [  $-(x-1)*(x^2+1)*(x^2+x+1)*(x^2-x+1)*(x^4-x^2+1)*(x+1)^2/(x^{12}-x^{11}+2*x^{10}-x^9+2*x^8-x^7+2*x^6-2*x^5+x^4-2*x^3+x^2-2*x+1)$  ogf]
  
A288237 11.3738 [  $-(x^2-x+1)*(x+1)^2/(x^3-x^2+2*x-1)$  ogf]
  
A288237 5.41235 [  $\{a(n+5)-2*a(n+4)+a(n+3)-a(n+2), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 9, a(4) = 17\}$ , ogf]
  
A288237 7.47420 [  $-(x^5+3*x^4-8*x^3+10*x^2-5*x+3)/(x^6-x^5+2*x^4-x^2+2*x-1)$  lgdogf]
  
A288260 13.4981 [  $-2*(2*x^3-1)/(x-1)/(3*x^3+x^2+x-1)$  ogf]
  
A288260 9.15945 [  $-(6*x^6-4*x^3+2)/(6*x^7-4*x^6-7*x^4+4*x^3+2*x-1)$  lgdogf]
  
A288268 19.4907 [  $x/(x^2-2*x+1)$  lgdegf]
  
A288268 5.12165 [  $\{(-n^2-2*n)*a(n+1)+(2*n+4)*a(n+2)-a(n+3), a(0) = 1, a(1) = 0, a(2) = 1\}$ , ogf]
  
A288269 10.0886 [  $-(-2*x^2-4*x)/(x^4-4*x^3+6*x^2-4*x+1)$  lgdegf]
  
A288270 9.95640 [  $-(-4*x^2-2*x)/(x^4-4*x^3+6*x^2-4*x+1)$  lgdegf]
  
A288271 6.22024 [  $-(79526*x^3+705381*x^2+611694*x+86139)/(9356*x^4+71173*x^3+36378*x^2-7389*x-1575)$  lgdogf]
  
A288281 5.45506 [  $-(56868*x^4+875184*x^3+1494924*x^2+579168*x+48810)/(5416*x^5+74278*x^4+96148*x^3+9876*x^2-6960*x-675)$  lgdogf]
  
A288309 13.4347 [  $-2*(2*x^2-1)/(x-1)/(3*x^2+x-1)$  ogf]
  
A288309 6.83732 [  $\{a(n+3)-2*a(n+2)-2*a(n+1)+3*a(n), a(0) = 2, a(1) = 4, a(2) = 8\}$ , ogf]
  
A288309 9.11643 [  $-(-6*x^4+5*x^2-2)/(-6*x^5+4*x^4+7*x^3-4*x^2-2*x+1)$  lgdogf]
  
A288317 9.45305 [  $-(x^4+3*x^3+3*x^2-2*x-2)/(x^3+3*x^2-1)/(x-1)$  ogf]
  
A288341 16.6250 [  $x^5+x^4+x^3+x^2+x+2$  ogf\_with\_Euler\_transform]
  
A288341 5.65054 [  $-1/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^2+1)/(x^2+x+1)^2/(x+1)^3/(x-1)^7$  ogf]
  
A288344 16.9130 [  $(1/x^8-2/x^9+1)/(x-1)*x^9$  ogf\_with\_Euler\_transform]
  
A288345 16.3240 [  $(1/x^9-2/x^{10}+1)*x^{10}/(x-1)$  ogf\_with\_Euler\_transform]
  
A288348 6.94408 [  $-(x^2+x+1)*(x-1)^2*(x+1)^3/(x^2+x-1)/(x^3+x^2-1)^2$  ogf]
  
A288380 8.63988 [  $-(2*x^4-4*x^3+x^2-2*x+2)/(x-1)/(x^4-2*x^3+x^2-2*x+1)$  ogf]
  
A288382 6.54391 [  $(x^4-x^3+2*x-1)/(2*x-1)/(x-1)^2$  ogf]
  
A288429 11.2642 [  $-(2*x^3+x^2-2)/(x-1)/(x^3+x-1)$  ogf]
  
A288443 10.8215 [  $\{-a(n+2)+8*a(n+1)-16*a(n), a(0) = 2, a(1) = 24\}$ , ogf]
  
A288443 19.3406 [  $-(16*x+12)/(16*x^2-1)$  lgdogf]
  
A288443 19.7611 [  $2*(4*x+1)/(4*x-1)^2$  ogf]
  
A288465 13.7224 [  $-2*(x^3+x^2-1)/(x-1)/(x^3+x^2+x-1)$  ogf]
  
A288465 7.52093 [  $-(-x^6-2*x^5+x^2+2*x-2)/(-x^7-x^6+3*x^4+x^3-x^2-2*x+1)$  lgdogf]
  
A288470 7.85625 [  $-1/4*I/(x+1)/(8*x-1)^{1/2}*(4*x+1)/x-1/4*(4*x+1)^2/(8*x-1)/(x+1)/x$  lgdogf]
  
A288476 10.1236 [  $-(-4*x^4+4*x^3-4*x-2)/(-4*x^5+10*x^4-7*x^2+1)$  lgdogf]
  
A288476 12.7790 [  $-2*(2*x+1)*(x-1)/(2*x^3-4*x^2-x+1)$  ogf]
  
A288476 6.95996 [  $\{a(n+3)-a(n+2)-4*a(n+1)+2*a(n), a(0) = 2, a(1) = 4, a(2) = 8\}$ , ogf]
  
A288477 5.32402 [  $-(-187402613374813*x-187897355572727)/(-187402613374813*x^2+187155242275856*x+247371098957)$  lgdogf]
  
A288477 5.72207 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 247371098957, a(1) =$

187897355572727}], ogf]  
A288477 8.74660 [(187402613374813\*x+247371098957)/(x-1)^2 ogf]  
A288486 18.0325 [-(3\*x+7)/(x^2-1) lgdogf]  
A288486 37.4626 [[7-2\*x] ogf\_with\_Euler\_transform]  
A288486 5.83405 [{(n+2)\*a(n+3)-7\*a(n+2)+(-3-n)\*a(n+1), a(0) = 0, a(1) = 24, a(2) = 168}], ogf]  
A288486 9.22594 [-24\*x\*(x+1)^2/(x-1)^5 ogf]  
A288487 7.25538 [(25\*x^4+50\*x^3+42\*x^2+2\*x+1)/(x-1)^6 ogf]  
A288487 7.39358 [-(50\*x^4-250\*x^3-318\*x^2-94\*x-8)/(-25\*x^5-25\*x^4+8\*x^3+40\*x^2+x+1) lgdogf]  
A288492 7.69180 [(8\*x^5-22\*x^4+14\*x^3+8\*x^2-6\*x+1)/(4\*x-1)/(2\*x-1)/(x-1)^2 ogf]  
A288516 7.26025 [-(16\*x^4-42\*x^3+36\*x^2+10\*x-12)/(8\*x^5-30\*x^4+43\*x^3-25\*x^2+3\*x+1) lgdogf]  
A288516 8.67892 [-(4\*x^3-9\*x^2+6\*x+1)/(2\*x-1)/(x-1)^4 ogf]  
A288523 9.46089 [-(x+1)\*(2\*x^3+x^2-2)/(x-1)/(2\*x^3+x^2-1) ogf]  
A288527 4.54858 [-(2\*x^7+13\*x^6+7\*x^5-43\*x^4-34\*x^3+57\*x^2-19\*x-3)/(x^2+3\*x-1)/(x^2+2\*x-1)^2/(x-1)^3 ogf]  
A288534 10.0258 [(x^4+x^3+8\*x^2+x+1)/(x-1)^4 ogf]  
A288534 10.9255 [-(5\*x^3-19\*x^2-19\*x-5)/(-x^5-7\*x^3+7\*x^2+1) lgdogf]  
A288571 10.1589 [-(x^2+1)\*(x+1)/(4\*x-1)/(x^2+x+1)/(x-1)^2 ogf]  
A288571 6.79929 [-(8\*x^6+15\*x^5+21\*x^4+31\*x^3+3\*x^2-6)/(4\*x^7+3\*x^6+3\*x^5-x^4-4\*x^3-3\*x^2-3\*x+1) lgdogf]  
A288599 11.9241 [-2\*(x+1)\*(x^3+x-1)/(x-1)/(x^3+x^2+x-1) ogf]  
A288603 14.3971 [-2\*(x^3+x^2-1)/(x-1)/(x^2+x-1) ogf]  
A288603 7.19857 [{a(n+4)-2\*a(n+3)+a(n+1), a(0) = 2, a(1) = 4, a(2) = 6, a(3) = 8}], ogf]  
A288603 7.89074 [-(x^4-4\*x^3+4\*x^2+2\*x-2)/(-x^6-x^5+2\*x^4+2\*x^3-x^2-2\*x+1) lgdogf]  
A288604 3.94694 [3\*x\*(17\*x^6+486\*x^5+2943\*x^4+5204\*x^3+2943\*x^2+486\*x+17)/(x-1)^10 ogf]  
A288637 5.86640 [(x^5-2\*x^4-16\*x^3+15\*x^2-14\*x+6)/(2\*x^5+3\*x^4-7\*x^3+12\*x^2-7\*x+1)/(x-1)^2 ogf]  
A288657 10.7575 [-x\*(68\*x^26-68\*x^25+6\*x^4-6\*x^3-1)/(x-1)^2 ogf]  
A288658 13.2147 [-(22\*x^7-22\*x^6+3\*x-4)/(x-1)^2 ogf]  
A288660 10.2931 [-(25\*x^15-25\*x^14+5\*x^3-5\*x^2+2\*x-3)/(x-1)^2 ogf]  
A288661 6.59332 [(1000\*x^6-1010\*x^4+10\*x^3+110\*x^2-10\*x-1)/(x+1)/(x-1)/(10\*x+1)/(10\*x-1)/(10\*x^2-1) ogf]  
A288662 6.98091 [(1000\*x^6-1010\*x^4+100\*x^3+11\*x^2-x-1)/(x+1)/(x-1)/(10\*x+1)/(10\*x-1)/(10\*x^2-1) ogf]  
A288663 8.49162 [(8\*x^6-10\*x^4+2\*x^3+6\*x^2-2\*x-1)/(x-1)/(2\*x+1)/(2\*x-1)/(x+1)/(2\*x^2-1) ogf]  
A288664 8.69001 [(8\*x^6-10\*x^4+4\*x^3+3\*x^2-x-1)/(x-1)/(2\*x+1)/(2\*x-1)/(x+1)/(2\*x^2-1) ogf]  
A288668 14.3025 [-(3\*x^2+4\*x+2)/(2\*x^3+x^2-1) ogf]  
A288668 8.15242 [-(6\*x^4-16\*x^3-16\*x^2-10\*x-4)/(-6\*x^5-11\*x^4-8\*x^3+x^2+4\*x+2) lgdogf]  
A288668 8.67279 [{a(n+3)-a(n+1)-2\*a(n), a(0) = 2, a(1) = 4, a(2) = 5}], ogf]  
A288687 6.78277 [(16\*x^5-38\*x^4+48\*x^3-31\*x^2+9\*x-1)/(4\*x-1)/(2\*x-1)^2/(x-1)^2 ogf]  
A288688 3.26552 [- (60\*x^10-422\*x^9+1044\*x^8-1855\*x^7+2394\*x^6-2122\*x^5+1273\*x^4-504\*x^3+124\*x^2-17\*x+1)/(5\*x-1)/(3\*x-1)/(2\*x-1)^3/(x-1)^4 ogf]  
A288697 13.7285 [-(10\*x^4-x^2+x+1)/(x-1)/(x+1) ogf]  
A288698 10.2316 [-(1000\*x^4-100\*x^2+10\*x+1)/(10\*x-1)/(10\*x+1) ogf]  
A288699 13.5975 [-(2\*x^4-x^2+x+1)/(x-1)/(x+1) ogf]  
A288700 13.4249 [-(8\*x^4-4\*x^2+2\*x+1)/(2\*x-1)/(2\*x+1) ogf]  
A288700 7.97104 [-(64\*x^5-32\*x^3-8\*x^2-2)/(-32\*x^6+24\*x^4-8\*x^3-8\*x^2+2\*x+1) lgdogf]  
A288714 5.24606 [-2\*(152\*x^5-580\*x^4+764\*x^3-360\*x^2+14\*x+13)/(4\*x-1)^2/(x-1)^2/(2\*x-1)^3 ogf]  
A288719 4.50326 [-3\*x\*(x^9-6\*x^8+13\*x^7-8\*x^6-15\*x^5+34\*x^4-29\*x^3+14\*x^2+9\*x

+2)/(x-1)^7 ogf]  
A288720 4.84456 [ {a(n+4)-14\*a(n+3)+56\*a(n+2)-64\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 16, a(3) = 184}, ogf]  
A288720 9.61891 [ -x\*(16\*x^2+2\*x+1)/(8\*x-1)/(2\*x-1)/(4\*x-1) ogf]  
A288732 10.5635 [ -2\*(x^4-x^3-x^2-x-1)/(x-1)/(2\*x^4-1) ogf]  
A288761 6.03830 [ (1000000\*x^9-1000000\*x^7-1000\*x^6+1000\*x^4+10\*x^3-x^2+x+1)/(x-1)/(10\*x+1)/(10\*x-1)/(x+1) ogf]  
A288762 8.49178 [ (8\*x^9-2\*x^7-8\*x^6+2\*x^4+4\*x^3-4\*x^2+2\*x+1)/(x-1)/(2\*x+1)/(2\*x-1)/(x+1) ogf]  
A288763 7.90760 [ (64\*x^9-64\*x^7-8\*x^6+8\*x^4+2\*x^3-x^2+x+1)/(x-1)/(2\*x+1)/(2\*x-1)/(x+1) ogf]  
A288780 3.82497 [ {(n^3+7\*n^2+16\*n+12)\*a(n+1)+(-n^3-7\*n^2-15\*n-9)\*a(n+2)+(n^2+3\*n+2)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 2}, ogf]  
A288795 11.7050 [ -(24\*x^2-47\*x+11)/(x-1)/(3\*x-1)/(4\*x-1) ogf]  
A288795 6.54687 [ {a(n+3)-8\*a(n+2)+19\*a(n+1)-12\*a(n), a(0) = 11, a(1) = 41, a(2) = 143}, ogf]  
A288825 7.58701 [ (100\*x^5-10\*x^4-100\*x^3+20\*x^2-1)/(x-1)/(10\*x-1)/(10\*x^2-1) ogf]  
A288826 7.42559 [ (1000\*x^5-1000\*x^4-10\*x^3+20\*x^2-1)/(x-1)/(10\*x-1)/(10\*x^2-1) ogf]  
A288827 9.58302 [ (4\*x^5-2\*x^4-4\*x^3+4\*x^2-1)/(2\*x-1)/(x-1)/(2\*x^2-1) ogf]  
A288828 9.53986 [ (8\*x^5-8\*x^4-2\*x^3+4\*x^2-1)/(2\*x-1)/(x-1)/(2\*x^2-1) ogf]  
A288834 15.1366 [ -(-9\*x+9)/(-9\*x^2+9\*x-2) lgdogf]  
A288834 16.1457 [ -(3\*x-2)/(3\*x-1)^2 ogf]  
A288834 8.86044 [ {-a(n+2)+6\*a(n+1)-9\*a(n), a(0) = 2, a(1) = 9}, ogf]  
A288835 13.0011 [ 3\*(3\*x-2)/(3\*x-1)^3 ogf]  
A288835 14.3012 [ -(-18\*x+15)/(-9\*x^2+9\*x-2) lgdogf]  
A288835 6.11163 [ {a(n+3)-9\*a(n+2)+27\*a(n+1)-27\*a(n), a(0) = 6, a(1) = 45, a(2) = 243}, ogf]  
A288836 10.8820 [ -9\*(3\*x-2)/(3\*x-1)^4 ogf]  
A288836 14.7995 [ -(-27\*x+21)/(-9\*x^2+9\*x-2) lgdogf]  
A288836 4.68339 [ {(2\*n+6)\*a(n+3)+(-39-9\*n)\*a(n+2)+(36+9\*n)\*a(n+1), a(0) = 18, a(1) = 189, a(2) = 1296}, ogf]  
A288838 14.8988 [ -(-36\*x+27)/(-9\*x^2+9\*x-2) lgdogf]  
A288838 4.71482 [ {(2\*n+6)\*a(n+3)+(-45-9\*n)\*a(n+2)+(45+9\*n)\*a(n+1), a(0) = 54, a(1) = 729, a(2) = 6075}, ogf]  
A288838 9.42963 [ 27\*(3\*x-2)/(3\*x-1)^5 ogf]  
A288876 6.38823 [ -(x^4+16\*x^3+36\*x^2+16\*x+1)/(x-1)^9 ogf]  
A288876 7.06341 [ {(n^2+12\*n+36)\*a(n+1)+(-n^2-4\*n-4)\*a(n+2), a(0) = 1, a(1) = 25}, ogf]  
A288876 8.11962 [ -(-5\*x^4-100\*x^3-300\*x^2-200\*x-25)/(-x^5-15\*x^4-20\*x^3+20\*x^2+15\*x+1) lgdogf]  
A288913 11.3807 [ -(x^2+8\*x-29)/(x^3-3\*x^2-27\*x+4) lgdogf]  
A288913 16.6916 [ (x+4)/(x^2-7\*x+1) ogf]  
A288913 9.04967 [ {-a(n+2)+7\*a(n+1)-a(n), a(0) = 4, a(1) = 29}, ogf]  
A288914 7.12619 [ -(x^39-x^38+x^37-x^36+x^35-x^34+x^31-x^26+x^25-x^24+x^23+x^7-x^6+x^5+x+2)/(x-1) ogf]  
A288918 10.6326 [ -(x^2+42\*x+29)/(x^3+19\*x^2-17\*x-3) lgdogf]  
A288918 10.9548 [ -x\*(x^2+20\*x+3)/(x-1)^3 ogf]  
A288918 5.43624 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 0, a(1) = 3, a(2) = 29, a(3) = 79}, ogf]  
A288919 10.0702 [ -(10\*x+44)/(5\*x^2+8\*x-13) lgdogf]  
A288919 3.86151 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 0, a(1) = 0, a(2) = 52, a(3) = 176}, ogf]  
A288919 8.15208 [ -4\*x^2\*(5\*x+13)/(x-1)^3 ogf]  
A288920 10.8131 [ 2\*x^2\*(7\*x^2-92\*x-41)/(x-1)^3 ogf]  
A288920 11.1177 [ -(-7\*x^2+170\*x+215)/(-7\*x^3+99\*x^2-51\*x-41) lgdogf]  
A288920 5.33349 [ {-a(n+5)+3\*a(n+4)-3\*a(n+3)+a(n+2), a(0) = 0, a(1) = 0, a(2) = 82, a(3) = 430, a(4) = 1030}, ogf]  
A288925 9.49487 [ -(x+1)\*(x^3-2\*x^2-2)/(2\*x^5-3\*x^4-x^2-x+1) ogf]  
A288937 8.79291 [ -(x^6-2\*x^5+3\*x^4-2\*x^3+x^2-x+1)/(x-1)^3 ogf]

A288944 3.73330 [ (128\*x^5-128\*x^4+24\*x^3+8\*x^2-2\*x+1)/(2\*x-1)^2 ogf]  
A288947 5.79270 [ (10\*x^7+9\*x^6-22\*x^5-3\*x^4+19\*x^3+7\*x^2-x+1)/(x+1)^2/(x-1)^4 ogf]  
A288950 3.54413 [ {(2\*n^3+3\*n^2-3\*n-2)\*a(n+1)+(-2\*n^3-12\*n^2-16\*n)\*a(n+2)+(n^2+3\*n)\*a(n+3), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 2}, ogf]  
A288952 18.0826 [-x/(x^2+x-1) lgdegf]  
A288952 5.12981 [ {(n^2+4\*n+4)\*a(n+1)+(n+2)\*a(n+2)-a(n+3), a(0) = 1, a(1) = 0, a(2) = 1}, ogf]  
A288953 3.38969 [ {(-n^3-8\*n^2-20\*n-16)\*a(n+1)+(n^2+6\*n+9)\*a(n+2)+(n+4)\*a(n+3)-a(n+4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 10}, ogf]  
A288958 7.92444 [ -(4\*x^4-12\*x^3+9\*x^2-5\*x+2)/(2\*x-1)^2/(x-1)^3 ogf]  
A288959 10.5664 [ -(4\*x^3+48\*x^2+72\*x+16)/(x^4+8\*x^3-8\*x-1) lgdogf]  
A288959 6.54942 [ {(n^2+8\*n+16)\*a(n+1)+(-n^2-2\*n-1)\*a(n+2), a(0) = 0, a(1) = 18}, ogf]  
A288959 6.89113 [ -18\*x\*(x+1)\*(x^2+8\*x+1)/(x-1)^7 ogf]  
A288960 6.25221 [ 12\*x^2\*(x^4-8\*x^3+8\*x^2+64\*x+5)/(x-1)^8 ogf]  
A288960 8.09810 [ -(4\*x^4-36\*x^3+24\*x^2+464\*x+104)/(x^5-9\*x^4+16\*x^3+56\*x^2-59\*x-5) lgdogf]  
A288961 11.0366 [ -(4\*x+16)/(x^2+2\*x-3) lgdogf]  
A288961 3.62947 [ {(3+3\*n)\*a(n+3)+(-16-2\*n)\*a(n+2)+(-3-n)\*a(n+1), a(0) = 0, a(1) = 0, a(2) = 6}, ogf]  
A288961 6.84546 [ -2\*x^2\*(x+3)/(x-1)^5 ogf]  
A288962 11.7610 [ -(-15\*x^3-99\*x^2-57\*x-9)/(-5\*x^4-16\*x^3+18\*x^2+2\*x+1) lgdogf]  
A288962 5.20670 [ {(487\*n^2+2939\*n+4434)\*a(n+1)+(-494\*n^2-404\*n+1494)\*a(n+2)+(7\*n^2-135\*n-298)\*a(n+3), a(0) = 0, a(1) = 1, a(2) = 9}, ogf]  
A288962 9.89788 [ x\*(5\*x^3+21\*x^2+3\*x+1)/(x-1)^6 ogf]  
A288963 4.16983 [ {(-3\*n^2-19\*n-30)\*a(n+1)+(2\*n^2-14\*n-64)\*a(n+2)+(n^2+9\*n+8)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 36}, ogf]  
A288963 6.30821 [ -12\*x^2\*(x^3+5\*x^2+3\*x+3)/(x-1)^7 ogf]  
A288963 9.34253 [ -(4\*x^3+28\*x^2+28\*x+24)/(x^4+4\*x^3-2\*x^2-3) lgdogf]  
A288964 4.21021 [ {(n^3+7\*n^2+16\*n+12)\*a(n+1)+(-2\*n^2-9\*n-8)\*a(n+2)+(n+1)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 2}, ogf]  
A288989 22.5803 [ -1/(691\*x-1) ogf]  
A288989 9.61752 [ {a(n+1)-691\*a(n), a(0) = 1}, ogf]  
A288994 5.06223 [ x\*(2\*x^7-5\*x^6+9\*x^5-18\*x^4+16\*x^3-15\*x^2+x-2)/(x-1)^3/(x^2+1)^3 ogf]  
A289004 5.88737 [ -(3\*x^9+2\*x^8+x^7+2\*x^6+x^4-x^3-x^2-2)/(x-1)/(x^9+x^8+2\*x^7+x^6+x^5+2\*x^4+x-1) ogf]  
A289006 13.9351 [ x\*(x+1)\*(4\*x^2+2\*x+1)/(x-1)/(x^2+x+1)/(10\*x^3-1) ogf]  
A289022 3.94353 [ -3\*(2916\*x^7-1890\*x^6+954\*x^5-499\*x^4-247\*x^3+209\*x^2-37\*x+2)/(2\*x+1)/(x-1)/(2\*x^2+1)/(9\*x-1)^2/(3\*x-1)^2 ogf]  
A289031 9.06174 [ 3\*I/(4\*x-1)^(1/2)/x-(5\*x-3)/(x-1)/x lgdogf]  
A289058 4.91655 [ -(3\*x^16-3\*x^15+x^13-x^12+x^11-2\*x^8+3\*x^7-2\*x^6-x^5+x^4-x^3+x^2+1)/(x^2+1)/(x+1)/(x-1)^3 ogf]  
A289060 9.61508 [ -(x^3+x^2+2)\*(x^4-x+1)/(x-1)^3 ogf]  
A289077 5.53324 [ (x^9-2\*x^8+x^7+x^6-x^5-x^4-x^3+3\*x^2-2)/(x+1)/(x^4-x^3+x^2+x-1)/(x-1)^2 ogf]  
A289096 4.03471 [ {-a(n+4)+10\*a(n+3)+a(n+2)-10\*a(n+1), a(0) = 1, a(1) = 10, a(2) = 111, a(3) = 1110, a(4) = 11101, a(5) = 111110}, ogf]  
A289096 8.83551 [ (100\*x^5-10\*x^4+10\*x^2+1)/(x-1)/(10\*x-1)/(x+1) ogf]  
A289097 3.88400 [ {a(n+4)-a(n+3)-100\*a(n+2)+100\*a(n+1), a(0) = 1, a(1) = 1, a(2) = 111, a(3) = 111, a(4) = 10111, a(5) = 11111}, ogf]  
A289097 7.95295 [ (1000\*x^5-1000\*x^4+10\*x^2+1)/(10\*x-1)/(10\*x+1)/(x-1) ogf]  
A289098 10.6332 [ (4\*x^5-2\*x^4+2\*x^2+1)/(x-1)/(2\*x-1)/(x+1) ogf]  
A289098 4.88192 [ {a(n+4)-2\*a(n+3)-a(n+2)+2\*a(n+1), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 14, a(4) = 29, a(5) = 62}, ogf]  
A289099 10.8689 [ (8\*x^5-8\*x^4+2\*x^2+1)/(2\*x-1)/(2\*x+1)/(x-1) ogf]  
A289099 5.02172 [ {-a(n+4)+a(n+3)+4\*a(n+2)-4\*a(n+1), a(0) = 1, a(1) = 1, a(2) = 7, a(3) = 7, a(4) = 23, a(5) = 31}, ogf]  
A289107 13.8102 [ (2\*x^4-x^2+2)/(x-1)/(x^2+x-1) ogf]  
A289107 6.14985 [ {a(n+4)-2\*a(n+3)+a(n+1), a(0) = 2, a(1) = 4, a(2) = 7, a(3) =

12, a(4) = 22}, ogf]  
A289111 5.56602 [ -(-26743595834077\*x-26870685444143)/  
(-26743595834077\*x^2+26680051029044\*x+63544805033) lgdogf]  
A289111 5.72207 [{-a(n+2)+2\*a(n+1)-a(n), a(0) = 444813635231, a(1) =  
188094798109001}], ogf]  
A289111 8.74660 [ 7\*(26743595834077\*x+63544805033)/(x-1)^2 ogf]  
A289115 7.51313 [ -(x^9-x^8+x^4-x^3+x^2-2\*x+2)/(x^3+x-1)/(x-1)^2 ogf]  
A289120 10.9865 [ -(-3\*x^9-2\*x^7-9\*x^6-2\*x^5-2\*x^4-2\*x^3-6\*x^2-2\*x)/(-x^10-  
x^7+x^3+1) lgdogf]  
A289120 13.3491 [ x^2\*(x+1)\*(x^2-x+1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A289120 30.2144 [x\*(x^5-2\*x^4+2\*x+1) ogf\_with\_Euler\_transform]  
A289121 8.49342 [ -(-2\*x^4-2\*x^3-36\*x^2+14\*x-4)/(-2\*x^5+5\*x^4-18\*x^3+26\*x^2-14\*x  
+3) lgdogf]  
A289121 8.84366 [ -(2\*x^4-3\*x^3+15\*x^2-11\*x+3)/(x-1)^5 ogf]  
A289122 15.3371 [x^10-x^9-x^5+x^4+x^2+x ogf\_with\_Euler\_transform]  
A289122 8.65157 [ x^3\*(x+1)\*(x^2-x+1)\*(x^4-x^3+x^2-x+1)/  
(x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A289131 8.08896 [ -(2\*x^5+2\*x^4-2\*x^3-3\*x^2+2\*x+2)/(x+1)/(2\*x^2-1)/(x-1)^2 ogf]  
A289133 14.1048 [ x^3\*(x+1)\*(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 ogf]  
A289133 23.5682 [-x^9+x^8+x^4+1 ogf\_with\_Euler\_transform]  
A289134 11.1193 [ -(13\*x^2+82\*x+31)/(13\*x^3+15\*x^2-27\*x-1) lgdogf]  
A289134 12.3548 [ -(13\*x^2+28\*x+1)/(x-1)^3 ogf]  
A289134 6.76830 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1, a(1) = 31, a(2) =  
103}], ogf]  
A289139 11.1082 [ x^2\*(x+1)\*(x^4+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A289139 20.7936 [-x^7+x^6+x^3-x+2 ogf\_with\_Euler\_transform]  
A289143 6.89300 [ -  
x^2\*(x^13-3\*x^12+3\*x^11-3\*x^9+3\*x^8-3\*x^6+3\*x^5-3\*x^3+6\*x^2-6\*x+3)/(x^2+1)/(x^4-  
x^2+1)/(x-1)^3 ogf]  
A289147 15.0411 [ -(-x+5)/(-x^2+2\*x-1) lgdegf]  
A289147 5.04875 [{(-n^2-4\*n-4)\*a(n+1)+(2\*n+9)\*a(n+2)-a(n+3), a(0) = 1, a(1) = 5,  
a(2) = 34}], ogf]  
A289150 6.84319 [ (10\*x^4-x^2+x-1)/(x-1)/(10\*x-1)/(10\*x^2-1)/(x^2+1) ogf]  
A289156 5.51237 [ 12\*(5\*x^4+72\*x^3+166\*x^2+72\*x+5)/(x-1)^6 ogf]  
A289161 6.52648 [ -2\*x^2\*(x^4+x^3+4\*x^2+x+1)/(x+1)^3/(x-1)^5 ogf]  
A289162 5.33828 [ x^3\*(5\*x^5+8\*x^4+40\*x^3+10\*x^2+27\*x+6)/(x+1)^4/(x-1)^6 ogf]  
A289163 4.33308 [ -2\*x^3\*(6\*x^7+15\*x^6+104\*x^5+19\*x^4+146\*x^3+57\*x^2+32\*x+5)/(x  
+1)^5/(x-1)^7 ogf]  
A289179 10.2866 [ -(20\*x^3+20\*x^2+20\*x+4)/(5\*x^4+2\*x^3-4\*x^2-2\*x-1) lgdogf]  
A289179 9.59311 [ x\*(5\*x^2+2\*x+1)/(x+1)^2/(x-1)^4 ogf]  
A289181 8.05823 [ -(2\*x^4-8\*x^3+25\*x^2+144\*x+41)/  
(-2\*x^5-5\*x^4+53\*x^3-20\*x^2-21\*x-5) lgdogf]  
A289181 9.12086 [ 4\*x^3\*(2\*x^4+7\*x^3-46\*x^2-26\*x-5)/(x-1)^3 ogf]  
A289188 5.55456 [ -(x^26-x^25+x^15-x^13+x^8-x^6+x^5-x^4-x^3-x^2-2)/  
(x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A289195 13.3502 [ 2\*(x^2-x+1)\*x^2\*(x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A289195 21.9326 [-x^5+x^4+x^2+1 ogf\_with\_Euler\_transform]  
A289199 7.59056 [ x^2\*(x+1)\*(x^2-x+1)\*(2\*x^8+x^6+x^2+2)/  
(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A289203 11.5832 [ (4\*x^5+x^4-5\*x^3-x^2-x-1)/(x-1)/(x+1) ogf]  
A289205 9.25160 [ (x+1)\*(2\*x^12-2\*x^11+x^10+x^9-2\*x^8+2\*x^7-3\*x^6+3\*x^5-  
x^4+2\*x^3+x^2+1)/(x-1)^2/(x^4+x^3+x^2+x+1)^2 ogf]  
A289207 23.5795 [ x^3/(x-1)^2 ogf]  
A289207 31.1586 [2/(-x+1) lgdogf]  
A289207 66.8913 [[2] ogf\_with\_Euler\_transform]  
A289207 7.85983 [{-a(n+4)+2\*a(n+3)-a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) =  
1}], ogf]  
A289211 13.6794 [ -(-x+6)/(-x^2+2\*x-1) lgdegf]  
A289211 4.55979 [{(-n^2-4\*n-4)\*a(n+1)+(2\*n+10)\*a(n+2)-a(n+3), a(0) = 1, a(1) =  
6, a(2) = 47}], ogf]  
A289212 14.1088 [ -(-x+7)/(-x^2+2\*x-1) lgdegf]



A289212 4.70292 [ $\{(-n^2-4*n-4)*a(n+1)+(2*n+11)*a(n+2)-a(n+3), a(0) = 1, a(1) = 7, a(2) = 62\}$ ], ogf]  
A289213 14.5382 [ $[-(-x+8)/(-x^2+2*x-1) \lgdegf]$ ]  
A289213 4.84606 [ $\{(-n^2-4*n-4)*a(n+1)+(2*n+12)*a(n+2)-a(n+3), a(0) = 1, a(1) = 8, a(2) = 79\}$ ], ogf]  
A289214 14.7835 [ $[-(-x+9)/(-x^2+2*x-1) \lgdegf]$ ]  
A289214 4.92785 [ $\{(-n^2-4*n-4)*a(n+1)+(2*n+13)*a(n+2)-a(n+3), a(0) = 1, a(1) = 9, a(2) = 98\}$ ], ogf]  
A289215 13.1541 [ $[-(-x+10)/(-x^2+2*x-1) \lgdegf]$ ]  
A289215 4.41475 [ $\{(-n^2-4*n-4)*a(n+1)+(2*n+14)*a(n+2)-a(n+3), a(0) = 1, a(1) = 10, a(2) = 119\}$ ], ogf]  
A289216 13.3311 [ $[-(-x+11)/(-x^2+2*x-1) \lgdegf]$ ]  
A289216 4.47414 [ $\{(-n^2-4*n-4)*a(n+1)+(2*n+15)*a(n+2)-a(n+3), a(0) = 1, a(1) = 11, a(2) = 142\}$ ], ogf]  
A289223 12.9634 [ $[-(3*x^2+2*x+11)/(-x^3+2*x^2+x-2) \lgdogf]$ ]  
A289223 4.36590 [ $\{(100*n^2+364*n+328)*a(n+1)+(-339*n^2-1547*n-2134)*a(n+2)+(239*n^2+627*n+388)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 12\}$ ], ogf]  
A289223 9.57522 [ $6*x^2*(x+1)*(x-2)/(x-1)^5$  ogf]  
A289224 6.34945 [ $-2*x*(19*x^5-38*x^4-40*x^3+90*x^2+27*x+2)/(x-1)^7$  ogf]  
A289225 4.46894 [ $x*(225*x^7-560*x^6-684*x^5+2503*x^4-87*x^3-2322*x^2-742*x-13)/(x-1)^9$  ogf]  
A289226 3.31158 [ $-3*x*(413*x^9-1139*x^8-1637*x^7+6103*x^6+3779*x^5-18129*x^4+1293*x^3+15761*x^2+3496*x+140)/(x-1)^{11}$  ogf]  
A289230 5.53475 [ $-x*(7*x^8-4*x^7-20*x^6-21*x^5+37*x^4+60*x^3+50*x^2+9*x+2)/(x+1)/(x^2+x+1)/(x-1)^7$  ogf]  
A289233 12.4967 [ $x^{11}-x^9-x^5+x^4-x^3+x^2+2*x+1$  ogf\_with\_Euler\_transform]  
A289233 7.33035 [ $-x*(x^4-x^3+x^2-x+1)/(x^2+x+1)/(x^4-x^2+1)/(x-1)^3$  ogf]  
A289245 5.06888 [ $-(x^{12}-x^{11}+x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)*(x+1)^2/(x-1)/(x^{12}-2*x^{11}+x^{10}-x^9+2*x^8-x^7+x^6-2*x^5-3*x^3-2*x+1)$  ogf]  
A289254 15.5032 [ $-(12*x-6)/(4*x^2-5*x+1) \lgdogf]$ ]  
A289254 16.8812 [ $-9*x/(4*x-1)/(x-1)^2$  ogf]  
A289254 6.78264 [ $\{a(n+3)-6*a(n+2)+9*a(n+1)-4*a(n), a(0) = 0, a(1) = 9, a(2) = 54\}$ ], ogf]  
A289255 11.9702 [ $-(40*x^2+7*x-11)/(20*x^3-21*x^2+1) \lgdogf]$ ]  
A289255 14.4546 [ $-(5*x+1)/(4*x-1)/(x-1)^2$  ogf]  
A289255 6.72011 [ $\{a(n+3)-6*a(n+2)+9*a(n+1)-4*a(n), a(0) = 1, a(1) = 11, a(2) = 57\}$ ], ogf]  
A289260 10.5045 [ $(x^4-x^3+x^2-x+1)*(x+1)^2/(x-1)/(2*x^3+x-1)$  ogf]  
A289261 7.77021 [ $(x-1)*(x^4+1)*(x^2+1)*(x+1)^2/(2*x^7-2*x^6+x^5-2*x^4+2*x^3-x^2+2*x-1)$  ogf]  
A289262 8.37985 [ $(x^6-x^5+x^4-x^3+x^2-x+1)*(x+1)^2/(2*x^6-2*x^5+x^4-2*x^3+x^2-2*x+1)$  ogf]  
A289296 9.03614 [ $-(2*x^5+4*x^4+24*x^3+12*x^2+6*x)/(2*x^6+x^5+3*x^4-6*x^2-x+1) \lgdogf]$ ]  
A289296 9.91060 [ $-(2*x^4+x^3+5*x^2+x-1)/(x+1)^2/(x-1)^3$  ogf]  
A289306 7.88190 [ $-(-10*x^3+10*x^2-5*x+1)/(5*x^5-15*x^4+20*x^3-15*x^2+6*x-1) \lgdogf]$ ]  
A289306 8.42548 [ $(x-1)^4/(5*x^4-10*x^3+10*x^2-5*x+1)$  ogf]  
A289321 8.63499 [ $-x*(x-1)^3/(5*x^4-10*x^3+10*x^2-5*x+1)$  ogf]  
A289380 29.1376 [ $-9*x^9-x^8+10$  ogf\_with\_Euler\_transform]  
A289387 8.98148 [ $x^2*(x-1)^2/(5*x^4-10*x^3+10*x^2-5*x+1)$  ogf]  
A289388 10.5276 [ $-x^3*(x-1)/(5*x^4-10*x^3+10*x^2-5*x+1)$  ogf]  
A289388 7.25689 [ $-(15*x^4-40*x^3+40*x^2-20*x+4)/(5*x^5-15*x^4+20*x^3-15*x^2+6*x-1) \lgdogf]$ ]  
A289389 13.3932 [ $x^4/(5*x^4-10*x^3+10*x^2-5*x+1)$  ogf]  
A289389 8.66621 [ $-(-20*x^3+30*x^2-20*x+5)/(-5*x^4+10*x^3-10*x^2+5*x-1) \lgdogf]$ ]  
A289399 15.3402 [ $-(9*x-7)/(3*x^2-4*x+1) \lgdogf]$ ]  
A289399 16.0072 [ $-3*x/(x-1)/(3*x-1)^2$  ogf]  
A289399 6.51620 [ $\{a(n+3)-7*a(n+2)+15*a(n+1)-9*a(n), a(0) = 0, a(1) = 3, a(2) = 21\}$ ], ogf]

A289404 10.9538 [  $[-(-30*x^2+20*x+1)/(-10*x^3+10*x^2+x-1)$  lgdogf ]  
A289404 19.0990 [  $1/(x-1)/(10*x^2-1)$  ogf ]  
A289404 6.47704 [  $\{a(n+3)-a(n+2)-10*a(n+1)+10*a(n), a(0) = 1, a(1) = 1, a(2) = 11\}$ , ogf ]  
A289405 17.0245 [  $1/(10*x-1)/(10*x^2-1)$  ogf ]  
A289405 5.86559 [  $\{a(n+3)-10*a(n+2)-10*a(n+1)+100*a(n), a(0) = 1, a(1) = 10, a(2) = 110\}$ , ogf ]  
A289405 9.69451 [  $[-(300*x^2-20*x-10)/(100*x^3-10*x^2-10*x+1)$  lgdogf ]  
A289414 15.1035 [  $-(10*x-1)/(90*x^2-20*x+1)$  ogf ]  
A289414 8.52902 [  $\{a(n+2)-20*a(n+1)+90*a(n), a(0) = 1, a(1) = 10\}$ , ogf ]  
A289414 9.79685 [  $[-(-900*x^2+180*x-10)/(-900*x^3+290*x^2-30*x+1)$  lgdogf ]  
A289415 13.5805 [  $-(11*x-1)/(110*x^2-22*x+1)$  ogf ]  
A289415 7.73771 [  $\{a(n+2)-22*a(n+1)+110*a(n), a(0) = 1, a(1) = 11\}$ , ogf ]  
A289415 8.75583 [  $[-(-1210*x^2+220*x-11)/(-1210*x^3+352*x^2-33*x+1)$  lgdogf ]  
A289418 12.9330 [  $-1/(3*x-1)/(x-1)/(x^3-6*x^2+5*x-1)$  ogf ]  
A289418 6.96392 [  $[-(-15*x^4+88*x^3-120*x^2+58*x-9)/(-3*x^5+22*x^4-40*x^3+29*x^2-9*x+1)$  lgdogf ]  
A289419 10.9442 [  $1/(2*x-1)/(2*x^2-4*x+1)/(x^3-6*x^2+5*x-1)$  ogf ]  
A289420 9.49341 [  $-1/(2*x-1)/(x-1)/(2*x^2-4*x+1)/(x^3-9*x^2+6*x-1)$  ogf ]  
A289421 8.32511 [  $1/(x-1)/(x^2-3*x+1)/(5*x^2-5*x+1)/(x^3-9*x^2+6*x-1)$  ogf ]  
A289422 7.16244 [  $-1/(x^2-3*x+1)/(5*x^2-5*x+1)/(x^5-15*x^4+35*x^3-28*x^2+9*x-1)$  ogf ]  
A289423 6.32368 [  $1/(x-1)/(3*x-1)/(2*x-1)/(x^2-4*x+1)/(x^5-15*x^4+35*x^3-28*x^2+9*x-1)$  ogf ]  
A289432 13.1367 [  $-x^3*(x^4+1)/(x^7+x^5+x-1)$  ogf ]  
A289433 14.9278 [  $-(x+1)*(x^2-x+1)/(x^7+x^5+x-1)$  ogf ]  
A289443 10.4397 [  $[-(-3*x^4+12*x^3-21*x^2-6)/(3*x^5-10*x^4+7*x^3-2*x+2)$  lgdogf ]  
A289443 13.9731 [  $(3*x^4-7*x^3-2)/(x-1)^3$  ogf ]  
A289521 10.1019 [  $\{a(n+2)-4*a(n+1)+3*a(n), a(0) = 4, a(1) = 7\}$ , ogf ]  
A289521 12.0052 [  $[-(-27*x^2+24*x-7)/(-27*x^3+48*x^2-25*x+4)$  lgdogf ]  
A289521 18.4079 [  $-(9*x-4)/(3*x-1)/(x-1)$  ogf ]  
A289557 3.99497 [  $\{(-1728*n^2-4608*n-2964)*a(n+1)+(n^2+4*n+4)*a(n+2), a(0) = 1, a(1) = 84\}$ , ogf ]  
A289586 10.2427 [  $\{-a(n+3)+5*a(n+1), a(0) = 1, a(1) = 5, a(2) = 12\}$ , ogf ]  
A289586 11.4557 [  $[-(25*x^2+24*x+5)/(35*x^4+25*x^3-2*x^2-5*x-1)$  lgdogf ]  
A289586 17.7680 [  $-(7*x^2+5*x+1)/(5*x^2-1)$  ogf ]  
A289643 11.4601 [  $-x*(5*x+3)/(x-1)^5$  ogf ]  
A289643 17.1902 [  $[-(20*x+20)/(5*x^2-2*x-3)$  lgdogf ]  
A289643 5.65466 [  $\{(6+3*n)*a(n+3)+(-18+2*n)*a(n+2)+(-20-5*n)*a(n+1), a(0) = 0, a(1) = 3, a(2) = 20\}$ , ogf ]  
A289657 7.42223 [  $[-(2*x^9-x^8+x^7+3*x^5+2*x^4+x^3-x+1)/(x+1)/(x^2+x+1)/(x-1)^5$  ogf ]  
A289658 6.62210 [  $[-(2*x^9-x^8-2*x^7-x^5-2*x^4+6*x^3+2*x^2-2*x+1)/(x+1)^2/(x-1)^7$  ogf ]  
A289666 8.90190 [  $-x*(x^4+x^2+2*x-1)/(x^2+x-1)/(x^3-x^2+3*x-1)$  ogf ]  
A289683 17.8302 [  $1/(x^2-4*x+1)^{(1/2)}$  lgdegf ]  
A289684 3.89916 [  $\{(16*n+24)*a(n)+(12*n+12)*a(n+1)+(-8*n-18)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 9, a(3) = 42\}$ , ogf ]  
A289684 6.63541 [  $[-I/(4*x^2+4*x-1)/x/(-1+4*x)^{(1/2)}*(-1+6*x)+(2*x-1)/(4*x^2+4*x-1)/x$  lgdogf ]  
A289692 7.12855 [  $x*(x^2-x+1)/(x-1)/(x^3-x^2+2*x-1)$  ogf ]  
A289693 4.48340 [  $-x^2*(x^2-x+1)*(x^4-x^3+3*x^2-2*x+1)/(x-1)/(x^3-x^2+2*x-1)/(x^5-x^4+4*x^3-3*x^2+3*x-1)$  ogf ]  
A289705 7.04279 [  $-3*x^2*(7*x+5)*(x^2-x-1)/(x+1)^2/(x-1)^6$  ogf ]  
A289705 8.27356 [  $[-(-35*x^4-16*x^3+71*x^2+92*x+32)/(-7*x^5+2*x^4+19*x^3+3*x^2-12*x-5)$  lgdogf ]  
A289706 5.16507 [  $12*x^2*(24*x^5+28*x^4-16*x^3-39*x^2-19*x-2)/(x+1)^3/(x-1)^7$  ogf ]  
A289721 10.1475 [  $(x^4+5*x^3+15*x^2+5*x+1)/(x-1)^4$  ogf ]  
A289721 4.00316 [  $\{(-n^2+11*n)*a(n)+(-36*n^2-114*n+30)*a(n+1)+(15*n^2-171*n-258)*a(n+2)+(22*n^2+94*n+84)*a(n+3), a(0) = 1, a(1) = 9, a(2)$

= 45}, ogf]

A289721 9.48575 [  $[-(-9*x^3-45*x^2-45*x-9)/(-x^5-4*x^4-10*x^3+10*x^2+4*x+1)$   
lgdogf]

A289761 12.7363 [  $(3*x^6-4*x^5-3)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3$  ogf]

A289763 5.86007 [  $(1000*x^4-100*x^2+10*x-1)/(x-1)/(10*x-1)/(100*x^2+1)/$   
 $(10*x^2-1)$  ogf]

A289764 8.34651 [  $(2*x^4-x^2+x-1)/(2*x-1)/(x-1)/(x^2+1)/(2*x^2-1)$  ogf]

A289765 8.27766 [  $(8*x^4-4*x^2+2*x-1)/(2*x-1)/(x-1)/(4*x^2+1)/(2*x^2-1)$  ogf]

A289779 7.33534 [  $-(x+1)*(x^3-4*x^2+2*x-1)/(x^6-5*x^5+12*x^4-22*x^3+16*x^2-7*x$   
 $+1)$  ogf]

A289780 10.9861 [  $(x^2-x+1)/(x^4-5*x^3+7*x^2-5*x+1)$  ogf]

A289781 11.4320 [  $-(x-1)*(x+1)/(x^4+3*x^3-x^2-3*x+1)$  ogf]

A289781 6.88038 [  $-(2*x^5+3*x^4-4*x^3-6*x^2+3)/$   
 $(x^6+3*x^5-2*x^4-6*x^3+2*x^2+3*x-1)$  lgdogf]

A289782 9.65664 [  $-(x-1)*(x-2)*(2*x+1)/(x^4-7*x^3+2*x^2+4*x-1)$  ogf]

A289783 10.6091 [  $[-(-22*x^2+22*x-5)/(-22*x^3+25*x^2-9*x+1)$  lgdogf]

A289783 15.6830 [  $-(2*x-1)/(11*x^2-7*x+1)$  ogf]

A289783 8.69177 [  $\{-a(n+2)+7*a(n+1)-11*a(n), a(0) = 1, a(1) = 5\}$ , ogf]

A289784 10.4516 [  $[-(-57*x^2+38*x-6)/(-57*x^3+46*x^2-12*x+1)$  lgdogf]

A289784 15.6775 [  $-(3*x-1)/(19*x^2-9*x+1)$  ogf]

A289784 8.68871 [  $\{-a(n+2)+9*a(n+1)-19*a(n), a(0) = 1, a(1) = 6\}$ , ogf]

A289785 14.9291 [  $-(4*x-1)/(29*x^2-11*x+1)$  ogf]

A289785 8.35317 [  $\{-a(n+2)+11*a(n+1)-29*a(n), a(0) = 1, a(1) = 7\}$ , ogf]

A289785 9.88262 [  $[-(-116*x^2+58*x-7)/(-116*x^3+73*x^2-15*x+1)$  lgdogf]

A289786 10.4438 [  $-(x+1)*(2*x^2-x+1)/(x^4+5*x^3-6*x^2+5*x-1)$  ogf]

A289787 10.8536 [  $2*(x^2+1)/(x^4-6*x^3+6*x^2-6*x+1)$  ogf]

A289788 11.5388 [  $(x^2+1)/(x^4-6*x^3+6*x^2-6*x+1)$  ogf]

A289788 6.52191 [  $-(2*x^5-6*x^4+4*x^3-12*x^2+10*x-6)/$   
 $(x^6-6*x^5+7*x^4-12*x^3+7*x^2-6*x+1)$  lgdogf]

A289789 9.65664 [  $-(2*x+1)*(3*x^2-x+1)/(5*x^4+5*x^3-5*x^2+5*x-1)$  ogf]

A289790 9.40647 [  $-(x+2)*(2*x^2+1)/(x^4+8*x^3-5*x^2+6*x-1)$  ogf]

A289792 11.4017 [  $-(35*x^2-22*x+36)/(7*x^3-13*x^2+12*x-6)$  lgdogf]

A289792 7.21757 [  $-15*x^4*(7*x^2-6*x+6)/(x-1)^7$  ogf]

A289793 10.3874 [  $-(294*x^2-210*x-252)/(49*x^3-93*x^2+18*x+26)$  lgdogf]

A289793 6.40559 [  $-12*x^4*(49*x^2-44*x-26)/(x-1)^8$  ogf]

A289794 5.17264 [  $40*x^4*(116*x^3+102*x^2-237*x-23)/(x-1)^9$  ogf]

A289794 7.60061 [  $[-(-696*x^3-1062*x^2+1692*x+444)/$   
 $(-116*x^4+14*x^3+339*x^2-214*x-23)$  lgdogf]

A289795 10.7067 [  $3*(x^2+x+1)/(x^4-7*x^3+3*x^2-7*x+1)$  ogf]

A289795 6.42399 [  $-(2*x^5-4*x^4-10*x^3-11*x^2+4*x-8)/$   
 $(x^6-6*x^5-3*x^4-11*x^3-3*x^2-6*x+1)$  lgdogf]

A289796 10.2139 [  $(x^2+x+1)/(x^4-7*x^3+3*x^2-7*x+1)$  ogf]

A289797 7.47719 [  $-(x^3-3*x^2+2*x-1)/(x^6-6*x^5+16*x^4-23*x^3+17*x^2-7*x+1)$  ogf]

A289798 10.3367 [  $(2*x^2-2*x+1)/(4*x^4-14*x^3+15*x^2-7*x+1)$  ogf]

A289799 5.39124 [  $(x^2+4*x+1)*(x^4-3*x^3+10*x^2-3*x+1)/$   
 $(x^8-9*x^7+27*x^6-55*x^5+36*x^4-55*x^3+27*x^2-9*x+1)$  ogf]

A289801 5.80906 [  $(x^4-4*x^3+6*x^2-3*x+1)/$   
 $(x^8-8*x^7+28*x^6-57*x^5+74*x^4-62*x^3+31*x^2-9*x+1)$  ogf]

A289802 6.54582 [  $-(x^4-2*x^3+x-1)/(x^8-4*x^7+4*x^6+5*x^5-12*x^4+4*x^3+5*x^2-5*x$   
 $+1)$  ogf]

A289803 10.8522 [  $(x-1)^2/(x^4-7*x^3+13*x^2-7*x+1)$  ogf]

A289803 7.52135 [  $-(2*x^4-11*x^3+21*x^2-19*x+5)/(x^5-8*x^4+20*x^3-20*x^2+8*x-1)$   
lgdogf]

A289804 5.14975 [  $\{a(n+4)-7*a(n+3)+15*a(n+2)-9*a(n+1)-a(n), a(0) = 1, a(1) = 3,$   
 $a(2) = 9, a(3) = 29\}$ , ogf]

A289804 9.50723 [  $-(2*x-1)*(x^2+2*x-1)/(x^4+9*x^3-15*x^2+7*x-1)$  ogf]

A289805 6.91026 [  $-(x^2-x+2)*(2*x^3-2*x^2+x+1)/$   
 $(x^6-2*x^5+8*x^4-8*x^3+2*x^2+4*x-1)$  ogf]

A289806 8.77769 [  $(x^3-x^2+1)/(x^6-2*x^5-2*x^4+5*x^3-x^2-3*x+1)$  ogf]

A289807 8.76306 [  $-(x^2-x-1)/(x^6-2*x^5-x^4+5*x^3-2*x^2-3*x+1)$  ogf]

A289809 5.81256 [  $(x^3+x^2-2*x-1)*(x^3-x-1)/(x^2-x-1)/(x^6-4*x^4-$

$x^3+4x^2+2x-1$ ) ogf]  
A289837 4.91766 [  $-(8x^7+5x^6+25x^5-91x^4+92x^3-43x^2+10x-1)/(2x-1)^3/(x-1)^5$  ogf]  
A289843 7.64998 [  $(x^4-2x^2+x+1)/(x^2-x-1)/(x^6+x^5-2x^4-2x^3+2x^2+2x-1)$  ogf]  
A289844 7.34124 [  $(x^6-2x^3+x+1)/(x^{12}-4x^9-x^7+6x^6+2x^4-4x^3-x^2-x+1)$  ogf]  
A289845 7.96235 [  $-(x-1)*(x^3+x^2+2x+1)/(x^8+2x^6+x^5-x^4+x^3-3x^2-x+1)$  ogf]  
A289846 11.2496 [  $-(x^2-x-1)/(x^4+x^3-3x^2-x+1)$  ogf]  
A289846 5.46637 [  $\{-a(n+4)+a(n+3)+3a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9\}$ , ogf]  
A289846 7.76225 [  $-(-2x^5+2x^4+6x^3-x^2-4x-2)/(-x^6+5x^4-x^3-5x^2+1)$  lgdogf]  
A289864 7.40841 [  $-(2x^5-5x^4-3x^3+3x^2-2x+2)/(x+1)/(2x-1)/(x-1)^4$  ogf]  
A289870 4.99131 [  $\{(-n^2-7n-12)*a(n+1)+(-4-n)*a(n+2)+(n^2+4n+3)*a(n+3), a(0) = -1, a(1) = 2, a(2) = 3\}$ , ogf]  
A289870 9.26164 [  $-(6x^4+12x^3+24x^2+4x+2)/(3x^5+3x^4-4x^2-3x+1)$  lgdogf]  
A289870 9.80645 [  $-(3x^3+3x^2+3x-1)/(x+1)^2/(x-1)^3$  ogf]  
A289873 10.8701 [  $(x^2-x-1)*(x^5+2x^4-x^3+x^2+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3$  ogf]  
A289877 7.45709 [  $(3x^4-3x^3-3x^2+5x+1)/(x+1)/(x-1)^4$  ogf]  
A289896 3.31910 [  $\{(n^2+9n+20)*a(n+1)+(-2n^2-16n-30)*a(n+2)+(n^2+8n+15)*a(n+3)+(-n-2)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 8\}$ , ogf]  
A289914 10.3890 [  $(x^4-x^3+x^2-x+1)*(x+1)^2/(x^4-2x^3+x^2-2x+1)$  ogf]  
A289916 8.65844 [  $(x^6-x^5+x^4-x^3+x^2-x+1)*(x+1)^2/(x^2-x+1)/(x^4-x^3-x^2-x+1)$  ogf]  
A289918 11.2085 [  $-(6x^5-6x^2-2x)/(x^6-2x^3-x^2+1)$  lgdogf]  
A289918 16.4696 [  $x/(x^3+x-1)/(x^3-x-1)$  ogf]  
A289919 10.2294 [  $-(2x^3+x-2)/(x^3+x-1)^2$  ogf]  
A289919 8.20484 [  $-(-6x^5-3x^3+6x^2-x+3)/(-2x^6-3x^4+4x^3-x^2+3x-2)$  lgdogf]  
A289920 10.2043 [  $-(x^3-x-1)/(x^6+x^4-2x^3-x^2-x+1)$  ogf]  
A289921 5.26252 [  $(x-1)*(x^4+x^3+x^2+x+1)*(x^4-x^3+x^2-x+1)*(x+1)^2/(x^{10}+x^9-x^8+x^7-x^6+x^5-x^4+x^3-x^2+x-1)$  ogf]  
A289927 5.41383 [  $-(x^3-x^2+1)*(x^3-x-1)/(x^8+3x^7-4x^6-7x^5+5x^4+7x^3-4x^2-3x+1)$  ogf]  
A289948 4.21563 [  $\{(-n^3-9n^2-27n-27)*a(n+1)+(n^3+9n^2+27n+28)*a(n+2)-a(n+3), a(0) = 1, a(1) = 2, a(2) = 10\}$ , ogf]  
A289975 11.7268 [  $-x*(x-1)/(x^4+3x^3-2x^2-2x+1)$  ogf]  
A289975 8.56448 [  $-(3x^4+2x^3-11x^2+4x+1)/(x^5+2x^4-5x^3+3x-1)$  lgdogf]  
A289976 7.59280 [  $-x^2*(x-1)^2*(x+1)/(x^6-x^5-2x^4-x^3+x^2+2x-1)$  ogf]  
A289977 7.90749 [  $-x^3*(x-1)*(x^3+x^2-1)/(x^8-x^6-x^5-2x^3+x^2+2x-1)$  ogf]  
A289992 3.87327 [  $(x+1)*(x^2+6x+1)*(x^4+32x^3+70x^2+32x+1)/(x-1)^{10}$  ogf]  
A289999 13.5336 [  $-(56x^2-42x+13)/(x-1)/(2x-1)/(4x-1)$  ogf]  
A289999 7.45497 [  $-(448x^4-672x^3+508x^2-252x+49)/(448x^5-1120x^4+1084x^3-532x^2+133x-13)$  lgdogf]  
A289999 7.51869 [  $\{a(n+3)-7a(n+2)+14a(n+1)-8a(n), a(0) = 13, a(1) = 49, a(2) = 217\}$ , ogf]  
A290004 6.80259 [  $-3*(24x^3+28x^2-11x+1)/(3x-1)/(9x-1)/(18x-1)/(2x^2-5x+1)$  ogf]  
A290011 7.13804 [  $(19x^2-43x-6)/(x-1)^7$  egf]  
A290011 9.95304 [  $-(-95x^2+220x+85)/(-19x^3+62x^2-37x-6)$  lgdegf]  
A290026 14.0705 [  $4x^2/(2x-1)^4$  ogf]  
A290026 28.1410 [  $8/(-2x+1)$  lgdogf]  
A290026 7.43347 [  $\{n*a(n+2)+(-6-2n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 4\}$ , ogf]  
A290027 13.9545 [  $-(-192x-34)/(-48x^2+22x+1)$  lgdogf]  
A290027 4.83392 [  $\{(-1-n)*a(n+3)+(34-22n)*a(n+2)+(144+48n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 3\}$ , ogf]  
A290027 8.91071 [  $-3x^2*(24x+1)/(2x-1)^5$  ogf]  
A290028 13.6716 [  $-(-230x-59)/(-46x^2+17x+3)$  lgdogf]  
A290028 4.58604 [  $\{-3n*a(n+3)+(76-17n)*a(n+2)+(138+46n)*a(n+1), a(0) = 0, a(1)$

= 0, a(2) = 0, a(3) = 288}, ogf]  
 A290028 7.31914 [ 96\*x^3\*(23\*x+3)/(2\*x-1)^6 ogf]  
 A290029 5.65860 [ -160\*x^3\*(634\*x^2+161\*x+4)/(2\*x-1)^7 ogf]  
 A290029 8.88185 [ -(6340\*x^2+3200\*x+217)/(1268\*x^3-312\*x^2-153\*x-4) lgdogf]  
 A290031 14.0599 [ 16\*x^3/(2\*x-1)^4 ogf]  
 A290031 28.6220 [ 8/(-2\*x+1) lgdogf]  
 A290031 6.36045 [ {(-1+n)\*a(n+2)+(-4-2\*n)\*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 16}, ogf]  
 A290055 14.3099 [ -(-7\*x^3-33\*x^2-15\*x-5)/(-x^4-4\*x^3+4\*x+1) lgdogf]  
 A290055 9.37106 [ -x\*(x^2+4\*x+1)/(x+1)^4/(x-1)^5 ogf]  
 A290056 6.63116 [ -(4\*x^5-21\*x^4+29\*x^3-18\*x^2+6\*x-1)/(2\*x-1)^2/(x-1)^4 ogf]  
 A290061 8.37376 [ -(-2\*x^4+8\*x^3-9\*x^2-2\*x-10)/(-2\*x^5+10\*x^4-19\*x^3+16\*x^2-8\*x+3) lgdogf]  
 A290061 8.72267 [ -(2\*x^4-8\*x^3+11\*x^2-5\*x+3)/(x-1)^5 ogf]  
 A290070 4.71625 [ {a(n+3)-10\*a(n+2)-a(n+1)+10\*a(n), a(0) = 1, a(1) = 10, a(2) = 101, a(3) = 1100, a(4) = 11101}, ogf]  
 A290070 9.97150 [ (100\*x^4+90\*x^3+1)/(x-1)/(10\*x-1)/(x+1) ogf]  
 A290071 6.16560 [ x\*(6\*x^5-36\*x^4+88\*x^3-111\*x^2+77\*x-39)/(x-1)^7 ogf]  
 A290072 4.63553 [ {a(n+5)-a(n+4)-100\*a(n+3)+100\*a(n+2), a(0) = 1, a(1) = 1, a(2) = 101, a(3) = 11, a(4) = 10111}, ogf]  
 A290072 9.97926 [ (100\*x^4-90\*x^3+1)/(10\*x-1)/(10\*x+1)/(x-1) ogf]  
 A290073 11.9419 [ (4\*x^4+2\*x^3+1)/(x-1)/(2\*x-1)/(x+1) ogf]  
 A290073 5.31661 [ {a(n+5)-2\*a(n+4)-a(n+3)+2\*a(n+2), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12, a(4) = 29}, ogf]  
 A290073 7.32288 [ -(8\*x^6-8\*x^5-26\*x^4+8\*x^3+2\*x+2)/(-8\*x^7+10\*x^5-4\*x^3+x^2+2\*x-1) lgdogf]  
 A290074 12.0439 [ (4\*x^4-2\*x^3+1)/(2\*x-1)/(2\*x+1)/(x-1) ogf]  
 A290074 5.39898 [ {a(n+5)-a(n+4)-4\*a(n+3)+4\*a(n+2), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 3, a(4) = 23}, ogf]  
 A290075 10.2386 [ -(x^4-x^3+2\*x^2+x-1)/(2\*x-1)/(2\*x^2-1) ogf]  
 A290075 5.47482 [ {a(n+5)-2\*a(n+4)-2\*a(n+3)+4\*a(n+2), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 5}, ogf]  
 A290081 17.2406 [ 2\*x^7/(x^8+1) ogf\_with\_Euler\_transform]  
 A290111 11.2581 [ (100\*x^3-10\*x^2+1)/(x-1)/(10\*x-1) ogf]  
 A290111 5.72135 [ {a(n+4)-11\*a(n+3)+10\*a(n+2), a(0) = 1, a(1) = 11, a(2) = 101, a(3) = 1101}, ogf]  
 A290111 6.52341 [ -(-1000\*x^4+2200\*x^3-410\*x^2+40\*x-11)/(1000\*x^5-1200\*x^4+210\*x^3-11\*x+1) lgdogf]  
 A290112 11.4427 [ (10\*x^3-10\*x^2+1)/(x-1)/(10\*x-1) ogf]  
 A290112 5.72135 [ {-a(n+4)+11\*a(n+3)-10\*a(n+2), a(0) = 1, a(1) = 11, a(2) = 101, a(3) = 1011}, ogf]  
 A290112 6.77675 [ -(100\*x^4-220\*x^3+140\*x^2-40\*x+11)/(-100\*x^5+210\*x^4-120\*x^3+11\*x-1) lgdogf]  
 A290113 13.6180 [ (2\*x+1)\*(2\*x^2-2\*x+1)/(2\*x-1)/(x-1) ogf]  
 A290113 6.74978 [ {-a(n+4)+3\*a(n+3)-2\*a(n+2), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 13}, ogf]  
 A290113 8.43723 [ -(8\*x^4-24\*x^3+18\*x^2-8\*x+3)/(-8\*x^5+16\*x^4-10\*x^3+3\*x-1) lgdogf]  
 A290114 14.1673 [ (2\*x^3-2\*x^2+1)/(2\*x-1)/(x-1) ogf]  
 A290114 7.02205 [ {-a(n+4)+3\*a(n+3)-2\*a(n+2), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 11}, ogf]  
 A290114 8.87402 [ -(4\*x^4-12\*x^3+12\*x^2-8\*x+3)/(-4\*x^5+10\*x^4-8\*x^3+3\*x-1) lgdogf]  
 A290124 10.0067 [ {-a(n+2)+a(n+1)+12\*a(n), a(0) = 1, a(1) = 2}, ogf]  
 A290124 12.9774 [ -(-12\*x^2-24\*x-2)/(-12\*x^3-13\*x^2+1) lgdogf]  
 A290124 18.0555 [ -(x+1)/(3\*x+1)/(4\*x-1) ogf]  
 A290127 4.21958 [ -(24\*x^8-192\*x^7+666\*x^6-1306\*x^5+1585\*x^4-1233\*x^3+629\*x^2-108\*x+40)/(x-1)^9 ogf]  
 A290140 8.54831 [ -(x+1)\*(x^4-4\*x^3+3\*x^2-2\*x+1)/(x^2+x-1)/(x-1)^2 ogf]  
 A290147 14.5318 [ -1/2+1/2\*(-8\*x^2+4\*x+1)^(1/2) revogf]

A290147 3.54767 [  $\{(-16*n^2-16*n)*a(n)+(-24*n^2-72*n-48)*a(n+1)+(-6*n^2-36*n-54)*a(n+2)+(n^2+7*n+12)*a(n+3)\}$ ,  $a(0) = 1$ ,  $a(1) = 3$ ,  $a(2) = 12$ }, ogf]  
A290157 4.62736 [  $\{a(n+3)-a(n+2)-a(n+1)-a(n)\}$ ,  $a(0) = 151646890045$ ,  $a(1) = 836564809606$ ,  $a(2) = 942785024683$ }, ogf]  
A290157 7.21470 [  $(45426674968*x^2-684917919561*x-151646890045)/(x^3+x^2+x-1)$  ogf]  
A290168 6.32410 [  $x^2*(3*x^2+x+2)/(x+1)^3/(x-1)^4$  ogf]  
A290168 7.78944 [  $-(15*x^3+9*x^2+21*x+3)/(3*x^4+x^3-x^2-x-2)$  lgdogf]  
A290186 10.8413 [  $-(2*x^3+6*x^2+6*x-5)/(x^4+4*x^3-x^2-3*x+1)$  lgdogf]  
A290186 16.3643 [  $(x+1)/(x^3+3*x^2-4*x+1)$  ogf]  
A290186 7.67527 [  $\{a(n+3)-4*a(n+2)+3*a(n+1)+a(n)\}$ ,  $a(0) = 1$ ,  $a(1) = 5$ ,  $a(2) = 17$ }, ogf]  
A290191 11.6334 [  $(10*x^2+1)/(x-1)/(10*x-1)/(x+1)$  ogf]  
A290191 5.96585 [  $\{a(n+3)-10*a(n+2)-a(n+1)+10*a(n)\}$ ,  $a(0) = 1$ ,  $a(1) = 10$ ,  $a(2) = 111$ }, ogf]  
A290191 7.05056 [  $(-(-100*x^4-130*x^2+22*x+10)/(-100*x^5+10*x^4+90*x^3-9*x^2+10*x-1))$  lgdogf]  
A290192 4.23033 [  $\{10*a(n+2)+a(n+1)-10*a(n)-a(n+3)\}$ ,  $a(0) = 1$ ,  $a(1) = 10$ ,  $a(2) = 101$ ,  $a(3) = 1101$ ,  $a(4) = 11100$ ,  $a(5) = 111101$ }, ogf]  
A290192 8.94878 [  $(10*x^5+89*x^4+91*x^3+1)/(x-1)/(10*x-1)/(x+1)$  ogf]  
A290193 4.38114 [  $\{-a(n+3)+a(n+2)+100*a(n+1)-100*a(n)\}$ ,  $a(0) = 1$ ,  $a(1) = 1$ ,  $a(2) = 101$ ,  $a(3) = 1011$ ,  $a(4) = 111$ ,  $a(5) = 101111$ }, ogf]  
A290193 8.25870 [  $(10000*x^5-10900*x^4+910*x^3+1)/(10*x-1)/(10*x+1)/(x-1)$  ogf]  
A290194 10.6332 [  $(2*x^5+x^4+3*x^3+1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A290194 5.14056 [  $\{a(n+3)-2*a(n+2)-a(n+1)+2*a(n)\}$ ,  $a(0) = 1$ ,  $a(1) = 2$ ,  $a(2) = 5$ ,  $a(3) = 13$ ,  $a(4) = 28$ ,  $a(5) = 61$ }, ogf]  
A290195 10.4380 [  $(16*x^5-20*x^4+6*x^3+1)/(2*x-1)/(2*x+1)/(x-1)$  ogf]  
A290195 5.21901 [  $\{4*a(n+1)-4*a(n)-a(n+3)+a(n+2)\}$ ,  $a(0) = 1$ ,  $a(1) = 1$ ,  $a(2) = 5$ ,  $a(3) = 11$ ,  $a(4) = 7$ ,  $a(5) = 47$ }, ogf]  
A290196 8.61735 [  $(-90*x^5-9*x^4-90*x^3-x^2+x-1)/(x-1)/(10*x-1)$  ogf]  
A290197 8.10731 [  $(9000*x^5-9000*x^4-90*x^3+100*x^2-10*x+1)/(x-1)/(10*x-1)$  ogf]  
A290198 10.0808 [  $(-2*x^5-x^4-2*x^3-x^2+x-1)/(2*x-1)/(x-1)$  ogf]  
A290199 10.3043 [  $(8*x^5-8*x^4-2*x^3+4*x^2-2*x+1)/(2*x-1)/(x-1)$  ogf]  
A290220 10.2114 [  $2*x*(2*x^8+4*x^7+2*x^5+2*x^4+3*x^3+2*x^2+2*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A290221 11.1692 [  $-2*x*(2*x^8+4*x^7+2*x^5+2*x^4+3*x^3+2*x^2+2*x+1)/(x-1)/(x^2+x+1)$  ogf]  
A290232 8.61735 [  $(10*x^3-1)/(x-1)/(10*x-1)/(x+1)/(10*x^2-1)$  ogf]  
A290233 8.70560 [  $(100*x^3-1)/(x-1)/(10*x+1)/(10*x-1)/(10*x^2-1)$  ogf]  
A290234 10.5853 [  $(2*x^3-1)/(x-1)/(2*x-1)/(x+1)/(2*x^2-1)$  ogf]  
A290235 10.8328 [  $(4*x^3-1)/(x-1)/(2*x+1)/(2*x-1)/(2*x^2-1)$  ogf]  
A290268 5.57401 [  $(-x^9+2*x^8+x^7+2*x^6+2*x^5+2*x^4+2*x^3+2*x^2+x+1)/(x^4+1)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A290270 7.93204 [  $(-x^6+6*x^5-7*x^4-5*x^3+x+3)/(x-1)/(x^6-x^4-x^3-x^2+1)$  ogf]  
A290273 9.66635 [  $(-2*x^5-x^3-x^2-2*x-2)/(x^6-x^4-x^3-x^2+1)$  ogf]  
A290285 4.06148 [  $(-576*x^7-736*x^6+60*x^5-6*x^4+73*x^3-48*x^2+12*x-1)/(8*x-1)/(2*x-1)/(x+1)/(x^2-x+1)/(4*x^2+2*x+1)/(16*x^2-4*x+1)$  ogf]  
A290312 10.5530 [  $(x^2-3*x-1)/(x-1)^5$  ogf]  
A290312 12.8260 [  $(-(-3*x^2+10*x+8)/(-x^3+4*x^2-2*x-1))$  lgdogf]  
A290312 4.18938 [  $\{(-n-4)*a(n+4)+(2-2*n)*a(n+3)+(18+4*n)*a(n+2)+(-n-4)*a(n+1)\}$ ,  $a(0) = 1$ ,  $a(1) = 8$ ,  $a(2) = 29$ ,  $a(3) = 75$ }, ogf]  
A290313 10.3010 [  $(x^3+2*x^2-17*x-1)/(x-1)^7$  ogf]  
A290313 12.8460 [  $(-(-4*x^3-13*x^2+98*x+24)/(-x^4-x^3+19*x^2-16*x-1))$  lgdogf]  
A290313 5.30053 [  $\{(493*n^2+5611*n+15730)*a(n+1)+(-1501*n^2-14003*n-28290)*a(n+2)+(1008*n^2+5302*n+6834)*a(n+3)\}$ ,  $a(0) = 1$ ,  $a(1) = 24$ ,  $a(2) = 145$ }, ogf]  
A290314 6.98245 [  $(-2*x^4-27*x^3+49*x^2+80*x+1)/(x-1)^9$  ogf]  
A290314 8.79271 [  $(-(-10*x^4+154*x^3-262*x^2-738*x-89)/(-2*x^5+29*x^4-76*x^3-31*x^2+79*x+1))$  lgdogf]  
A290325 11.2545 [  $-3*(x^3-2*x^2+2*x+1)/(x-1)^3$  ogf]  
A290325 11.4200 [  $(-(-x^2-5)/(-x^4+3*x^3-4*x^2+x+1))$  lgdogf]

A290325 5.75229 [ {a(n+4)-3\*a(n+3)+3\*a(n+2)-a(n+1), a(0) = 3, a(1) = 15, a(2) = 30, a(3) = 51}, ogf]  
A290360 11.9050 [ -(9\*x^2+28\*x+11)/(3\*x^3+x^2-3\*x-1) lgdogf]  
A290360 3.96834 [ {(n+3)\*a(n+4)+(-5+3\*n)\*a(n+3)+(-29-n)\*a(n+2)+(-9-3\*n)\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 11, a(3) = 58}, ogf]  
A290360 7.85732 [ x\*(3\*x+1)\*(x+1)^2/(x-1)^6 ogf]  
A290361 6.55287 [ -x\*(4\*x^4+21\*x^3+27\*x^2+8\*x+1)/(x-1)^7 ogf]  
A290361 7.35653 [ -(12\*x^4+100\*x^3+198\*x^2+102\*x+15)/(4\*x^5+17\*x^4+6\*x^3-19\*x^2-7\*x-1) lgdogf]  
A290362 5.65235 [ x\*(5\*x^5+57\*x^4+120\*x^3+75\*x^2+14\*x+1)/(x-1)^8 ogf]  
A290363 4.77204 [ -x\*(8\*x^6+135\*x^5+493\*x^4+537\*x^3+190\*x^2+21\*x+1)/(x-1)^9 ogf]  
A290364 3.90631 [ x\*(13\*x^7+312\*x^6+1835\*x^5+3272\*x^4+2029\*x^3+442\*x^2+32\*x+1)/(x-1)^10 ogf]  
A290379 4.20325 [ -(x+1)\*(2\*x^9+2\*x^8+3\*x^7+5\*x^6+3\*x^5+x^4+5\*x^3+x^2+4\*x+2)/(2\*x^11+4\*x^10+5\*x^9+3\*x^8+2\*x^7+x^6+4\*x^5+4\*x^4+3\*x^3+x^2-1) ogf]  
A290381 6.50570 [ -(40\*x^5-12\*x^4+24\*x^3-49\*x^2-31\*x-22)/(8\*x^6-4\*x^5-4\*x^4-5\*x^3-2\*x^2-x+1) ogf]  
A290391 11.7372 [ -6\*x^6\*(4\*x^2+5\*x+5)/(x-1)^3 ogf]  
A290391 13.6303 [ -(-4\*x^2-18\*x-20)/(-4\*x^3-x^2+5) lgdogf]  
A290391 4.69488 [ {(7\*n^2-48\*n+85)\*a(n+1)+(-7\*n^2+62\*n-140)\*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 30}, ogf]  
A290392 6.84528 [ -x^4\*(10\*x^6+165\*x^5+187\*x^4+156\*x^3+71\*x^2+x+4)/(x-1)^3 ogf]  
A290396 9.05016 [ -(204\*x^3-290\*x^2+114\*x-13)/(x-1)/(6\*x-1)/(4\*x-1)/(2\*x-1) ogf]  
A290398 9.24391 [ (x^4+6\*x^3+6\*x^2+6\*x+1)/(x^4-x^3-x^2-x+1) ogf]  
A290403 13.2503 [ -(48\*x^2+48\*x-48)/(-x^4+1) ogf\_with\_Euler\_transform]  
A290412 5.05801 [ (100\*x^9-110\*x^8+11\*x^6-x^5+100\*x^4-100\*x^3+10\*x^2-1)/(x-1)/(10\*x-1)/(x+1)/(10\*x^2-1) ogf]  
A290413 4.46808 [ (10000000\*x^9-11000000\*x^8+1100000\*x^6-100000\*x^5+100\*x^4-10\*x^3+10\*x^2-1)/(x-1)/(10\*x+1)/(10\*x-1)/(10\*x^2-1) ogf]  
A290414 6.41508 [ (4\*x^9-6\*x^8+3\*x^6-x^5+4\*x^4-4\*x^3+2\*x^2-1)/(x-1)/(2\*x-1)/(x+1)/(2\*x^2-1) ogf]  
A290415 6.11298 [ (128\*x^9-192\*x^8+96\*x^6-32\*x^5+4\*x^4-2\*x^3+2\*x^2-1)/(x-1)/(2\*x+1)/(2\*x-1)/(2\*x^2-1) ogf]  
A290443 3.79175 [ {(-48\*n^3-384\*n^2-996\*n-840)\*a(n+1)+(-8\*n^3-88\*n^2-322\*n-392)\*a(n+2)+(n^3+14\*n^2+65\*n+100)\*a(n+3), a(0) = 1, a(1) = 2, a(2) = 10}, ogf]  
A290470 5.00833 [ -(x+1)\*(3\*x^4-4\*x^3-1)\*(x^3-x^2-x-3)/(x^2+1)/(x^3-x^2-x-1)/(x^4-2\*x^2-2\*x+1) ogf]  
A290471 5.59779 [ (x+1)\*(x^6+2\*x^5+5\*x^4+2\*x^3+4\*x^2-3\*x-1)/(x^3+x^2+x-1)/(x^3+x^2-1)^2 ogf]  
A290477 9.11255 [ (5\*x^4+x^3+4\*x^2+x+3)/(6\*x-1)/(x-1)/(x^4+x^3+x^2+x+1) ogf]  
A290492 6.30785 [[2] ogf\_with\_Euler\_transform]  
A290493 10.5045 [ -(6\*x^5-4\*x^3-2\*x-1)/(x^6-x^4-x^2-x+1) ogf]  
A290494 6.68527 [ -(4\*x^6-2\*x^5+x^4-4\*x^3-7\*x^2+2\*x+5)/(x-1)/(x^6-x^4-x^2-x+1) ogf]  
A290503 6.09322 [ 30517578125\*(x^2+x+1)\*(x^2-x+1)\*(x^4-x^2+1)/(x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A290525 5.76864 [ (100\*x^7-110\*x^6+111\*x^4-101\*x^3+10\*x^2-1)/(x-1)/(10\*x-1)/(x+1)/(10\*x^2-1) ogf]  
A290526 5.32798 [ (100000\*x^7-110000\*x^6+11100\*x^4-1010\*x^3+10\*x^2-1)/(x-1)/(10\*x+1)/(10\*x-1)/(10\*x^2-1) ogf]  
A290527 7.39262 [ (4\*x^7-6\*x^6+7\*x^4-5\*x^3+2\*x^2-1)/(x-1)/(2\*x-1)/(x+1)/(2\*x^2-1) ogf]  
A290528 7.12246 [ (32\*x^7-48\*x^6+28\*x^4-10\*x^3+2\*x^2-1)/(x-1)/(2\*x+1)/(2\*x-1)/(2\*x^2-1) ogf]  
A290545 6.91094 [ -(-1973000000\*x^8-800000\*x^7-10)/(-1981000000\*x^9+198100000\*x^8-10\*x+1) lgdogf]  
A290545 8.72506 [ -(99100000\*x^8+1)/(10\*x-1)/(99000000\*x^8+1) ogf]  
A290561 10.5390 [ (x^3+x^2-x+1)/(x^2+1)/(x-1)^2 ogf]  
A290561 5.71482 [ {-a(n+4)+2\*a(n+3)-2\*a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 1,

$a(2) = 1, a(3) = 3$ }, ogf]  
A290562 10.5936 [  $(x^3-x^2+3x-1)/(x^2+1)/(x-1)^2$  ogf]  
A290575 3.99771 [  $\{(-16n^3-96n^2-192n-128)a(n+1)+(24n^3+180n^2+452n+380)a(n+2)+(-n^3-9n^2-27n-27)a(n+3), a(0) = 1, a(1) = 4, a(2) = 40\}$ , ogf]  
A290576 2.95813 [  $\{(-27n^3-162n^2-324n-216)a(n+1)+(-18n^3-135n^2-339n-285)a(n+2)+(n^3+9n^2+27n+27)a(n+3), a(0) = 1, a(1) = 3, a(2) = 27\}$ , ogf]  
A290587 5.36379 [  $-(8x^{10}-22x^9-46x^8+260x^7-461x^6+491x^5-363x^4+169x^3-50x^2+14x-3)/(2x-1)^2/(x-1)^6$  ogf]  
A290588 8.65158 [  $-(13x^3+7x^2-17x+5)/(3x-1)/(x-1)/(2x^3+x^2+2x-1)$  ogf]  
A290591 4.10301 [  $-2*(360x^8-96x^7+280x^6-492x^5+30x^4+44x^3+6x^2+3x+2)/(80x^9-24x^8+80x^7-164x^6+12x^5+22x^4+4x^3+3x^2+4x-1)$  ogf]  
A290593 13.9816 [  $-(4x^3+9x+3)/(x+1)/(x^3-x^2+2x-1)$  ogf]  
A290597 7.28956 [  $\{(-4x^6-23x^4-4x^3-21x^2-6x-12)/(-4x^7-13x^5-7x^4-5x^3-12x^2+6x+3)$  lgdogf]  
A290604 12.7823 [  $(3x^2-2x+2)/(x-1)/(2x-1)/(x+1)$  ogf]  
A290604 6.96180 [  $\{a(n+3)-2a(n+2)-a(n+1)+2a(n), a(0) = 2, a(1) = 2, a(2) = 9\}$ , ogf]  
A290604 8.66358 [  $\{-(6x^4-8x^3+20x^2-10x-2)/(6x^5-7x^4+5x^2-6x+2)$  lgdogf]  
A290608 10.7840 [  $-2*(2x+1)*(x+1)^2/(x^2+x+1)/(x^2+x-1)$  ogf]  
A290612 12.4432 [  $-(3x^3+x^2+x-4)/(x-1)/(x^3+x^2-1)$  ogf]  
A290616 9.62086 [  $-(2x^3-x-2)/(x^6+2x^4-2x^3-x^2-2x+1)$  ogf]  
A290623 5.58404 [  $\{-(900000x^8+10000000x^6-1)/(10x-1)/(1000000x^8+10000000x^6-1)$  ogf]  
A290631 10.1897 [  $\{-(x^3-7x^2-25x-15)/(-x^4-x^3-5x^2+5x+2)$  lgdogf]  
A290631 10.8513 [  $(x^3+2x^2+7x+2)/(x-1)^4$  ogf]  
A290631 4.17776 [  $\{(-249n^2-1127n-1258)a(n+1)+(-314n^2-4408n-9690)a(n+2)+(563n^2+3099n+4230)a(n+3), a(0) = 2, a(1) = 15, a(2) = 50\}$ , ogf]  
A290651 3.69155 [  $\{(-12n-54)a(n+1)+(22n+87)a(n+2)+(-12n-44)a(n+3)+(2n+7)a(n+4), a(0) = 4, a(1) = 6, a(2) = 11, a(3) = 26\}$ , ogf]  
A290651 9.18387 [  $-(17x^3-37x^2+22x-4)/(3x-1)/(2x-1)/(x-1)^2$  ogf]  
A290660 4.98575 [  $\{-a(n+4)+10a(n+3)+a(n+2)-10a(n+1), a(0) = 1, a(1) = 11, a(2) = 101, a(3) = 1111\}$ , ogf]  
A290660 6.17704 [  $\{-(2020x^3-371x^2+18x-11)/(1000x^6-200x^5-980x^4+209x^3-21x^2-9x+1)$  lgdogf]  
A290660 9.43250 [  $(100x^3-10x^2+x+1)/(x-1)/(10x-1)/(x+1)$  ogf]  
A290661 4.91553 [  $\{-a(n+4)+a(n+3)+100a(n+2)-100a(n+1), a(0) = 1, a(1) = 11, a(2) = 101, a(3) = 1111\}$ , ogf]  
A290661 9.18428 [  $(10x^3-10x^2+10x+1)/(10x-1)/(10x+1)/(x-1)$  ogf]  
A290662 11.1483 [  $(2x^3-2x^2+2x+1)/(2x-1)/(2x+1)/(x-1)$  ogf]  
A290662 5.78370 [  $\{-a(n+4)+a(n+3)+4a(n+2)-4a(n+1), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 15\}$ , ogf]  
A290662 8.45310 [  $\{-(20x^3-4x^2-4x-3)/(8x^6-16x^5+14x^4-8x^2+x+1)$  lgdogf]  
A290680 8.40970 [  $-(10x^5-11x^4+11x^3-11x^2+x-1)/(x-1)/(10x-1)$  ogf]  
A290681 7.44101 [  $\{-(10000x^5-11000x^4+1100x^3-110x^2+10x-1)/(x-1)/(10x-1)$  ogf]  
A290682 10.0808 [  $-(2x^5-3x^4+3x^3-3x^2+x-1)/(2x-1)/(x-1)$  ogf]  
A290683 9.65911 [  $-(16x^5-24x^4+12x^3-6x^2+2x-1)/(2x-1)/(x-1)$  ogf]  
A290685 6.23219 [  $\{-(200847200000x^8+96800000x^7+110)/(-199879200000x^9+19987920000x^8+110x-11)$  lgdogf]  
A290685 7.67038 [  $\{-(9987910000x^8-11)/(10x-1)/(1000010000x^8-11)$  ogf]  
A290690 7.44571 [  $\{-(8x^3-14x^2-2x)/(-x^5+5x^4-10x^3+10x^2-5x+1)$  lgdegf]  
A290698 4.29518 [  $\{-(9x^8-8x^7-28x^6-18x^5+25x^4+44x^3+36x^2+10x+2)/(x^2+x+1)/(x^7-2x^6-3x^5+2x^4+6x^3+3x^2+3x-1)$  ogf]  
A290699 10.7623 [  $-2*(x^3-x^2+2x-1)/(2x-1)/(x-1)^3$  ogf]  
A290699 9.31118 [  $\{-(2x^4-8x^2+10x-3)/(-2x^5+5x^4-8x^3+9x^2-5x+1)$  lgdogf]  
A290700 4.57401 [  $\{-(9x^8-8x^7-14x^6-12x^5+10x^4+8x^3+18x^2+4x+1)/(x^2+1)/(x^3-x^2-x-1)/(x^4-2x^2-2x+1)$  ogf]  
A290707 11.3003 [  $-(2x^3+x-1)/(2x-1)/(x-1)^3$  ogf]  
A290707 8.76092 [  $\{-(4x^4+8x^3-10x+4)/(4x^5-6x^4+4x^3-5x^2+4x-1)$  lgdogf]



A290708 4.30399 [  $-(512*x^7+1288*x^6+12*x^5-630*x^4-92*x^3+66*x^2+4*x-9)/(64*x^8+184*x^7+2*x^6-126*x^5-23*x^4+22*x^3+2*x^2-9*x+1)$  ogf]  
A290709 7.38922 [  $(-4*x^4-70*x^2+78*x-22)/(-12*x^6+56*x^5-113*x^4+98*x^3-23*x^2-10*x+4)$  lgdogf]  
A290709 9.00295 [  $-(6*x^4-19*x^3+25*x^2-2*x-4)/(2*x-1)/(x-1)^3$  ogf]  
A290710 5.77413 [  $-(12*x^6-44*x^5+37*x^4+53*x^3-119*x^2+91*x-24)/(2*x-1)/(x-1)^5$  ogf]  
A290718 15.7141 [  $-(2*x^2-11*x+3)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A290718 8.60857 [  $\{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 3, a(1) = 10, a(2) = 30\}$ , ogf]  
A290718 8.91879 [  $(-16*x^4+176*x^3-212*x^2+80*x-10)/(-16*x^5+116*x^4-192*x^3+121*x^2-32*x+3)$  lgdogf]  
A290720 3.80899 [  $\{(-72*n-84)*a(n+1)+(114*n+61)*a(n+2)+(-48*n-14)*a(n+3)+(6*n+1)*a(n+4), a(0) = 3, a(1) = 13, a(2) = 40, a(3) = 127\}$ , ogf]  
A290720 9.61537 [  $(25*x^3+4*x^2-14*x+3)/(4*x-1)/(3*x-1)/(x-1)^2$  ogf]  
A290721 11.6075 [  $(-8*x^2+23*x-13)/(4*x^3+3*x^2-9*x+2)$  lgdogf]  
A290721 14.4546 [  $-(x+2)/(4*x-1)/(x-1)^2$  ogf]  
A290721 6.72011 [  $\{a(n+3)-6*a(n+2)+9*a(n+1)-4*a(n), a(0) = 2, a(1) = 13, a(2) = 60\}$ , ogf]  
A290743 11.5574 [  $-(2*x^3-2*x^2-x+2)/(x+1)/(x-1)^3$  ogf]  
A290743 9.06203 [  $(-2*x^4+x^2-2*x-3)/(-2*x^5+2*x^4+3*x^3-4*x^2-x+2)$  lgdogf]  
A290744 7.75731 [  $(-5*x^6-5*x^5+x^4+x^3+x^2-4*x+5)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A290745 4.80904 [  $(-10*x^11-10*x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2-9*x+10)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^3$  ogf]  
A290756 3.07856 [  $\{(336*n+848)*a(n+1)+(-546*n-1042)*a(n+2)+(231*n+373)*a(n+3)+(-21*n-32)*a(n+4), a(0) = 7, a(1) = 60, a(2) = 499, a(3) = 4062\}$ , ogf]  
A290756 8.90731 [  $(38*x^2-24*x+7)/(2*x-1)/(8*x-1)/(x-1)^2$  ogf]  
A290757 7.36110 [  $(-560*x^3-1231*x^2+1006*x-167)/(7*x-1)^2/(x-1)^2$  ogf]  
A290762 5.82646 [  $-(x^6-3*x^5-6*x^3+7*x^2-6*x+2)/(x^3+2*x-1)/(x^3-x^2+2*x-1)^2$  ogf]  
A290764 15.9986 [  $(-9*x-5)/(3*x^2-4*x+1)$  lgdogf]  
A290764 18.7300 [  $-3/(3*x-1)/(x-1)^2$  ogf]  
A290764 6.73624 [  $\{a(n+3)-5*a(n+2)+7*a(n+1)-3*a(n), a(0) = 3, a(1) = 15, a(2) = 54\}$ , ogf]  
A290768 13.9165 [  $-3*(x^2-x+1)/(x-1)^3$  ogf]  
A290768 14.1485 [  $(-x^2-2)/(-x^3+2*x^2-2*x+1)$  lgdogf]  
A290768 25.5917 [  $-x^5+x^2+x+2$  ogf\_with\_Euler\_transform]  
A290768 7.51246 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 6, a(2) = 12\}$ , ogf]  
A290775 12.6294 [  $(-30*x^2+42*x+12)/(6*x^3-x^2-4*x-1)$  lgdogf]  
A290775 4.29529 [  $\{(-475*n^2-5301*n-13604)*a(n+1)+(232*n^2-691*n-17292)*a(n+2)+(243*n^2+1684*n+1441)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]  
A290775 7.90816 [  $-2*x^2*(2*x+1)*(3*x+1)/(x-1)^7$  ogf]  
A290778 4.83618 [  $-x^3*(x^10-x^9-2*x^7+x^6-x^5+3*x^4-x^2-x-2)/(x^2+1)/(x+1)^2/(x^2+x+1)^2/(x-1)^6$  ogf]  
A290779 6.29107 [  $x^2*(12*x^3+58*x^2+49*x+1)/(x-1)^8$  ogf]  
A290779 8.83578 [  $(-60*x^3+384*x^2+459*x+57)/(12*x^4+46*x^3-9*x^2-48*x-1)$  lgdogf]  
A290781 17.1220 [  $-(x+7)/(x^2+2*x-3)$  lgdogf]  
A290781 17.8665 [  $5*(x+3)/(x-1)^2$  ogf]  
A290781 9.78402 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 15, a(1) = 35\}$ , ogf]  
A290792 8.94719 [  $(-x^40-x^30+x^20-x^10+1)/(x^2+x+1)/(x^2-x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x+1)^2/(x-1)^3$  ogf]  
A290813 4.23033 [  $\{-a(n+3)+10*a(n+2)+a(n+1)-10*a(n), a(0) = 1, a(1) = 10, a(2) = 101, a(3) = 1111, a(4) = 11100, a(5) = 111111\}$ , ogf]  
A290813 8.83551 [  $(10*x^5-11*x^4+101*x^3+1)/(x-1)/(10*x-1)/(x+1)$  ogf]  
A290819 7.15095 [  $\{(-64*n^3-416*n^2-892*n-630)*a(n+1)+(n+3)*a(n+2), a(0) = 1, a(1) = 45\}$ , ogf]  
A290827 4.38114 [  $\{-a(n+3)+a(n+2)+100*a(n+1)-100*a(n), a(0) = 1, a(1) = 1, a(2) = 101, a(3) = 1111, a(4) = 111, a(5) = 111111\}$ , ogf]  
A290827 8.16485 [  $(10000*x^5-11000*x^4+1010*x^3+1)/(10*x-1)/(10*x+1)/(x-1)$  ogf]

A290828 10.6332 [  $(2*x^5-3*x^4+5*x^3+1)/(x-1)/(2*x-1)/(x+1)$  ogf]  
A290828 5.14056 [  $\{a(n+3)-2*a(n+2)-a(n+1)+2*a(n), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 15, a(4) = 28, a(5) = 63\}$ , ogf]  
A290829 10.4399 [  $(16*x^5-24*x^4+10*x^3+1)/(2*x-1)/(2*x+1)/(x-1)$  ogf]  
A290829 5.28954 [  $\{a(n+3)-a(n+2)-4*a(n+1)+4*a(n), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 15, a(4) = 7, a(5) = 63\}$ , ogf]  
A290834 7.34742 [  $-(110*x^6-121*x^5+111*x^4-100*x^3-x^2+x-1)/(x-1)/(10*x-1)$  ogf]  
A290835 6.56208 [  $-(110000*x^6-121000*x^5+11100*x^4-10*x^3-100*x^2+10*x-1)/(x-1)/(10*x-1)$  ogf]  
A290836 9.13206 [  $-(6*x^6-9*x^5+7*x^4-4*x^3-x^2+x-1)/(2*x-1)/(x-1)$  ogf]  
A290837 8.78101 [  $-(48*x^6-72*x^5+28*x^4-2*x^3-4*x^2+2*x-1)/(2*x-1)/(x-1)$  ogf]  
A290856 11.4633 [  $-(-30*x^4+40*x^3+1)/(10*x^5-10*x^4+x-1)$  lgdogf]  
A290856 19.6515 [  $-(10*x^4+1)/(x-1)$  ogf]  
A290856 7.57212 [  $\{-a(n+2)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 11\}$ , ogf]  
A290857 15.5112 [  $-(1000*x^4+1)/(10*x-1)$  ogf]  
A290857 5.86559 [  $\{-a(n+2)+10*a(n+1), a(0) = 1, a(1) = 10, a(2) = 100, a(3) = 1000, a(4) = 11000\}$ , ogf]  
A290857 8.30958 [  $-(-30000*x^4+4000*x^3+10)/(10000*x^5-1000*x^4+10*x-1)$  lgdogf]  
A290858 11.4634 [  $-(-6*x^4+8*x^3+1)/(2*x^5-2*x^4+x-1)$  lgdogf]  
A290858 19.0125 [  $-(2*x^4+1)/(x-1)$  ogf]  
A290858 7.21769 [  $\{-a(n+2)+a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 3\}$ , ogf]  
A290859 11.3241 [  $-(-48*x^4+32*x^3+2)/(16*x^5-8*x^4+2*x-1)$  lgdogf]  
A290859 19.6100 [  $-(8*x^4+1)/(2*x-1)$  ogf]  
A290859 7.37624 [  $\{-a(n+2)+2*a(n+1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8, a(4) = 24\}$ , ogf]  
A290890 15.4789 [  $x/(x^2-3*x+1)/(x^2-x+1)$  ogf]  
A290890 9.24961 [  $-(4*x^3-12*x^2+10*x-4)/(x^4-4*x^3+5*x^2-4*x+1)$  lgdogf]  
A290891 10.8538 [  $x^2/(x^2-3*x+1)/(x^4-3*x^3+5*x^2-3*x+1)$  ogf]  
A290892 9.02421 [  $x^3/(x^2-x+1)/(x^4-4*x^3+7*x^2-4*x+1)/(x^2-3*x+1)$  ogf]  
A290893 6.54234 [  $x^4/(x^2-3*x+1)/(x^8-7*x^7+23*x^6-44*x^5+55*x^4-44*x^3+23*x^2-7*x+1)$  ogf]  
A290894 5.42471 [  $x^5/(x^2-3*x+1)/(x^2-x+1)/(x^4-5*x^3+9*x^2-5*x+1)/(x^4-3*x^3+5*x^2-3*x+1)$  ogf]  
A290895 4.40044 [  $x^6/(x^2-3*x+1)/(x^{12}-11*x^{11}+57*x^{10}-182*x^9+398*x^8-626*x^7+727*x^6-626*x^5+398*x^4-182*x^3+57*x^2-11*x+1)$  ogf]  
A290897 7.30521 [  $(x^4-4*x^3+7*x^2-4*x+1)/(x^3-4*x^2+3*x-1)/(x^3-3*x^2+4*x-1)$  ogf]  
A290898 5.38824 [  $(x^2-x+1)*(x^4-5*x^3+9*x^2-5*x+1)/(x^8-9*x^7+34*x^6-71*x^5+89*x^4-71*x^3+34*x^2-9*x+1)$  ogf]  
A290899 6.06648 [  $x*(x^4-4*x^3+7*x^2-4*x+1)/(x^8-8*x^7+27*x^6-52*x^5+63*x^4-52*x^3+27*x^2-8*x+1)$  ogf]  
A290900 7.93209 [  $x*(x^2-x+1)/(x^6-6*x^5+14*x^4-19*x^3+14*x^2-6*x+1)$  ogf]  
A290901 6.49830 [  $x^2*(x^2-x+1)/(x^8-8*x^7+28*x^6-57*x^5+71*x^4-57*x^3+28*x^2-8*x+1)$  ogf]  
A290902 15.8240 [  $-(2*x-5)/(x^2-5*x+1)$  lgdogf]  
A290902 23.0168 [  $3/(x^2-5*x+1)$  ogf]  
A290902 9.15125 [  $\{-a(n+2)+5*a(n+1)-a(n), a(0) = 3, a(1) = 15\}$ , ogf]  
A290903 14.2712 [  $-(2*x-7)/(x^2-7*x+1)$  lgdogf]  
A290903 20.7581 [  $5/(x^2-7*x+1)$  ogf]  
A290903 8.25322 [  $\{-a(n+2)+7*a(n+1)-a(n), a(0) = 5, a(1) = 35\}$ , ogf]  
A290904 14.2719 [  $2*x/(x^4-4*x^3+4*x^2-4*x+1)$  ogf]  
A290904 9.33838 [  $-(4*x^3-12*x^2+8*x-4)/(x^4-4*x^3+4*x^2-4*x+1)$  lgdogf]  
A290905 16.0119 [  $x/(x^4-4*x^3+4*x^2-4*x+1)$  ogf]  
A290905 9.68619 [  $-(4*x^3-12*x^2+8*x-4)/(x^4-4*x^3+4*x^2-4*x+1)$  lgdogf]  
A290906 14.3649 [  $3*x/(x^4-4*x^3+3*x^2-4*x+1)$  ogf]  
A290906 9.39925 [  $-(-4*x^3+12*x^2-6*x+4)/(-x^4+4*x^3-3*x^2+4*x-1)$  lgdogf]  
A290907 14.7120 [  $x/(x^4-4*x^3+3*x^2-4*x+1)$  ogf]  
A290907 9.62636 [  $-(-4*x^3+12*x^2-6*x+4)/(-x^4+4*x^3-3*x^2+4*x-1)$  lgdogf]

A290908 14.0775 [  $4x/(x^2+1)/(x^2-4x+1)$  ogf]  
A290908 9.21117 [  $-(4x^3-12x^2+4x-4)/(x^4-4x^3+2x^2-4x+1)$  lgdogf]  
A290909 13.4828 [  $5x/(x^4-4x^3+x^2-4x+1)$  ogf]  
A290909 8.82211 [  $-(4x^3-12x^2+2x-4)/(x^4-4x^3+x^2-4x+1)$  lgdogf]  
A290910 13.5242 [  $x/(x^4-4x^3+x^2-4x+1)$  ogf]  
A290910 8.84916 [  $-(4x^3-12x^2+2x-4)/(x^4-4x^3+x^2-4x+1)$  lgdogf]  
A290911 10.6830 [  $-(4x^3-12x^2-4)/(x^4-4x^3-4x+1)$  lgdogf]  
A290911 16.3805 [  $6x/(x^4-4x^3-4x+1)$  ogf]  
A290912 10.7659 [  $-(4x^3-12x^2-4)/(x^4-4x^3-4x+1)$  lgdogf]  
A290912 18.1182 [  $x/(x^4-4x^3-4x+1)$  ogf]  
A290913 14.3939 [  $7x/(x^4-4x^3-x^2-4x+1)$  ogf]  
A290913 9.41821 [  $-(-4x^3+12x^2+2x+4)/(-x^4+4x^3+x^2+4x-1)$  lgdogf]  
A290914 14.3848 [  $x/(x^4-4x^3-x^2-4x+1)$  ogf]  
A290914 9.41228 [  $-(-4x^3+12x^2+2x+4)/(-x^4+4x^3+x^2+4x-1)$  lgdogf]  
A290915 13.5517 [  $8x/(x^4-4x^3-2x^2-4x+1)$  ogf]  
A290915 8.86715 [  $-(4x^3-12x^2-4x-4)/(x^4-4x^3-2x^2-4x+1)$  lgdogf]  
A290916 13.4221 [  $x/(x^4-4x^3-2x^2-4x+1)$  ogf]  
A290916 8.78237 [  $-(4x^3-12x^2-4x-4)/(x^4-4x^3-2x^2-4x+1)$  lgdogf]  
A290917 10.9011 [  $(2x-1)(x-2)/(x^2-3x+1)^2$  ogf]  
A290917 8.97734 [  $-(-4x^3+15x^2-19x+7)/(-2x^4+11x^3-19x^2+11x-2)$  lgdogf]  
A290918 7.14612 [  $(3x^4-15x^3+25x^2-15x+3)/(x^2-3x+1)^3$  ogf]  
A290919 3.72817 [  $\{( -n-2)a(n+1)+(4n+8)a(n+2)+(-4n-20)a(n+3)+(n+5)a(n+4),$   
 $a(0) = 4, a(1) = 18, a(2) = 72, a(3) = 271\}$ , ogf]  
A290919 5.02928 [  $(2x-1)(x-2)(2x^4-10x^3+17x^2-10x+2)/(x^2-3x+1)^4$  ogf]  
A290920 3.58539 [  $\{( -n-2)a(n+1)+(4n+7)a(n+2)+(-4n-21)a(n+3)+(n+5)a(n+4),$   
 $a(0) = 5, a(1) = 25, a(2) = 110, a(3) = 450\}$ , ogf]  
A290920 3.77212 [  $(5x^8-50x^7+210x^6-475x^5+621x^4-475x^3+210x^2-50x+5)/$   
 $(x^2-3x+1)^5$  ogf]  
A290921 3.68100 [  $\{( -n-2)a(n+1)+(4n+6)a(n+2)+(-4n-22)a(n+3)+(n+5)a(n+4),$   
 $a(0) = 6, a(1) = 33, a(2) = 158, a(3) = 696\}$ , ogf]  
A290922 11.6790 [  $(x^2+1)/(x^2-4x+1)/(x^2-x+1)$  ogf]  
A290922 6.60119 [  $-(2x^5-5x^4+4x^3-10x^2+10x-5)/$   
 $(x^6-5x^5+7x^4-10x^3+7x^2-5x+1)$  lgdogf]  
A290923 10.5014 [  $2(x^2-x+1)/(x^4-6x^3+8x^2-6x+1)$  ogf]  
A290924 11.1028 [  $(x^2-x+1)/(x^4-6x^3+8x^2-6x+1)$  ogf]  
A290924 6.49231 [  $-(2x^5-9x^4+16x^3-20x^2+14x-5)/$   
 $(x^6-7x^5+15x^4-20x^3+15x^2-7x+1)$  lgdogf]  
A290925 10.4367 [  $(3x^2-4x+3)/(x^4-7x^3+10x^2-7x+1)$  ogf]  
A290926 6.01872 [  $x(2x^4-8x^3+11x^2-8x+2)/(x^2-3x+1)^2/(x^2-x+1)^2$  ogf]  
A290927 3.47104 [  $x(3x^8-24x^7+81x^6-156x^5+193x^4-156x^3+81x^2-24x+3)/$   
 $(x^2-3x+1)^3/(x^2-x+1)^3$  ogf]  
A290928 3.70572 [  $x^2(2x^6-12x^5+30x^4-41x^3+30x^2-12x+2)/(x^2-3x+1)^2/$   
 $(x^4-3x^3+5x^2-3x+1)^2$  ogf]  
A290929 7.08092 [  $(x^4-3x^3+3x^2-3x+1)/(x^2-x+1)/(x^2-3x+1)^2$  ogf]  
A290930 5.64636 [  $x(3x^4-12x^3+16x^2-12x+3)/(x^2-3x+1)/$   
 $(x^4-4x^3+4x^2-4x+1)/(x^2-x+1)$  ogf]  
A290938 6.98164 [  $-(x+1)(8x^4-3x^3-x^2-17x+5)/(x-1)/(2x^2+3x-1)/$   
 $(x^3+x^2+3x-1)$  ogf]  
A290939 11.8752 [  $-(-20x^2+28x+13)/(-4x^3+10x^2-5x-1)$  lgdogf]  
A290939 3.91999 [  $\{(4565n^2+21729n+13876)a(n+1)+(-12659n^2-56618n-73073)a(n$   
 $+2)+(8094n^2+13715n+5621)a(n+3), a(0) = 0, a(1) = 0, a(2) = 24\}$ , ogf]  
A290939 7.40841 [  $24x^2(4x^2-6x-1)/(x-1)^7$  ogf]  
A290940 3.93407 [  $\{(-2393n^2-10053n-1924)a(n+1)+(5465n^2+18576n+40135)a(n$   
 $+2)+(-3072n^2-3770n-698)a(n+3), a(0) = 0, a(1) = 0, a(2) = 16\}$ , ogf]  
A290940 6.11295 [  $-4x^2(319x^3-222x^2-198x-4)/(x-1)^8$  ogf]  
A290940 8.19261 [  $-(-1595x^3+375x^2+1830x+230)/$   
 $(-319x^4+541x^3-24x^2-194x-4)$  lgdogf]  
A290943 12.4478 [  $-(-3x^4+3x+3)/(-x^5-x^4-x^3-x^2-x-1)$  ogf\_with\_Euler\_transform]  
A290968 8.24817 [  $-(-x^4-2x^3-x^2+1)/(x+1)/(x^2-x+1)/(x^2+x-1)$  ogf]  
A290986 10.4076 [  $-1/(x^4-x^3+2x-1)/(x-1)^2$  ogf]  
A290986 7.04683 [  $-(6x^4-9x^3+3x^2+6x-4)/(x^5-2x^4+x^3+2x^2-3x+1)$  lgdogf]

A290987 7.30640 [  $-(x^5-x^4+x^3+x^2-2*x+1)/(x^4-x^3+2*x-1)/(x-1)^2$  ogf]  
A290988 9.72277 [  $(x^7+x^4+x^2+x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2/(x+1)^2$  ogf]  
A290989 6.97419 [  $(x+1)*(x^2-x+1)/(x-1)/(x^4-x+1)/(x^4-x^3+2*x-1)$  ogf]  
A290990 10.3023 [  $-x*(2*x^2-2*x+1)/(x^4+2*x^3-5*x^2+4*x-1)$  ogf]  
A290990 5.33380 [  $\{-a(n+4)+4*a(n+3)-5*a(n+2)+2*a(n+1)+a(n), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 5\}$ , ogf]  
A290991 7.62829 [  $-x^2*(x^3+x^2-2*x+1)/(x^6+x^5-3*x^4+5*x^3-6*x^2+4*x-1)$  ogf]  
A290992 7.65357 [  $-x^3*(x^4+x^2-2*x+1)/(x^8+x^6-2*x^5+4*x^3-6*x^2+4*x-1)$  ogf]  
A290993 12.0944 [  $-x^5/(2*x-1)/(x^2-x+1)/(3*x^2-3*x+1)$  ogf]  
A290993 7.51495 [  $\{-(-30*x^4+60*x^3-60*x^2+30*x-6)/(-6*x^5+15*x^4-20*x^3+15*x^2-6*x+1)$  lgdogf]  
A290994 9.91286 [  $-x^6/(2*x-1)/(x^6-3*x^5+9*x^4-13*x^3+11*x^2-5*x+1)$  ogf]  
A290995 9.13361 [  $-x^7/(2*x-1)/(2*x^2-2*x+1)/(2*x^4-4*x^3+6*x^2-4*x+1)$  ogf]  
A290996 11.0485 [  $(3*x^2-3*x+1)/(x^4-7*x^3+9*x^2-5*x+1)$  ogf]  
A290997 8.22818 [  $x^2*(3*x^2-3*x+1)/(x^6-9*x^5+18*x^4-21*x^3+15*x^2-6*x+1)$  ogf]  
A290998 14.5798 [  $x^2/(x^4-5*x^3+6*x^2-4*x+1)$  ogf]  
A290998 9.42352 [  $\{-(4*x^3-15*x^2+12*x-4)/(x^4-5*x^3+6*x^2-4*x+1)$  lgdogf]  
A290999 15.7393 [  $\{-(-10*x-2)/(-5*x^2-2*x+1)$  lgdogf]  
A290999 20.8440 [  $-6*x/(5*x^2+2*x-1)$  ogf]  
A290999 9.52132 [  $\{-a(n+2)+2*a(n+1)+5*a(n), a(0) = 0, a(1) = 6\}$ , ogf]  
A291000 12.8068 [  $-(x^2-x+1)/(2*x^3-4*x^2+4*x-1)$  ogf]  
A291000 6.97512 [  $\{a(n+3)-4*a(n+2)+4*a(n+1)-2*a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A291000 8.05375 [  $\{-(-2*x^4+4*x^3-6*x^2+6*x-3)/(-2*x^5+6*x^4-10*x^3+9*x^2-5*x+1)$  lgdogf]  
A291001 15.5591 [  $\{-(-14*x-2)/(-7*x^2-2*x+1)$  lgdogf]  
A291001 20.6053 [  $-8*x/(7*x^2+2*x-1)$  ogf]  
A291001 9.41228 [  $\{-a(n+2)+2*a(n+1)+7*a(n), a(0) = 0, a(1) = 8\}$ , ogf]  
A291002 11.2454 [  $-(23*x^2-23*x+6)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A291002 6.24745 [  $\{a(n+3)-9*a(n+2)+26*a(n+1)-24*a(n), a(0) = 6, a(1) = 31, a(2) = 146\}$ , ogf]  
A291003 7.98808 [  $-(119*x^3-150*x^2+65*x-10)/(4*x-1)/(3*x-1)/(2*x-1)/(5*x-1)$  ogf]  
A291004 14.6068 [  $\{-(-20*x+11)/(-20*x^2+13*x-2)$  lgdogf]  
A291004 16.1607 [  $-3*(5*x-2)/(4*x-1)^2$  ogf]  
A291004 9.04231 [  $\{-a(n+2)+8*a(n+1)-16*a(n), a(0) = 6, a(1) = 33\}$ , ogf]  
A291005 12.6431 [  $-2*(2*x^2-2*x+1)/(5*x^3-7*x^2+5*x-1)$  ogf]  
A291005 6.82502 [  $\{a(n+3)-5*a(n+2)+7*a(n+1)-5*a(n), a(0) = 2, a(1) = 6, a(2) = 20\}$ , ogf]  
A291005 7.41564 [  $\{-(-10*x^4+20*x^3-19*x^2+10*x-3)/(-10*x^5+24*x^4-29*x^3+19*x^2-7*x+1)$  lgdogf]  
A291006 10.7210 [  $(2*x^2-2*x+1)/(x^4-6*x^3+8*x^2-5*x+1)$  ogf]  
A291007 7.82191 [  $-(x^4-2*x^3+4*x^2-3*x+1)/(2*x^5-7*x^4+14*x^3-13*x^2+6*x-1)$  ogf]  
A291008 15.0937 [  $\{-(-12*x-2)/(-6*x^2-2*x+1)$  lgdogf]  
A291008 19.9889 [  $-7*x/(6*x^2+2*x-1)$  ogf]  
A291008 9.13073 [  $\{-a(n+2)+2*a(n+1)+6*a(n), a(0) = 0, a(1) = 7\}$ , ogf]  
A291009 10.9442 [  $\{-(-56*x^2+64*x-17)/(-56*x^3+74*x^2-31*x+4)$  lgdogf]  
A291009 17.0243 [  $-(7*x-4)/(4*x-1)/(2*x-1)$  ogf]  
A291009 9.23004 [  $\{-a(n+2)+6*a(n+1)-8*a(n), a(0) = 4, a(1) = 17\}$ , ogf]  
A291010 15.2817 [  $-(11*x-5)/(4*x-1)/(3*x-1)$  ogf]  
A291010 8.55046 [  $\{-a(n+2)+7*a(n+1)-12*a(n), a(0) = 5, a(1) = 24\}$ , ogf]  
A291010 9.70593 [  $\{-(-132*x^2+120*x-24)/(-132*x^3+137*x^2-46*x+5)$  lgdogf]  
A291011 11.9157 [  $-(11*x^2-13*x+4)/(3*x-1)/(2*x-1)^2$  ogf]  
A291011 6.67691 [  $\{a(n+3)-7*a(n+2)+16*a(n+1)-12*a(n), a(0) = 4, a(1) = 15, a(2) = 52\}$ , ogf]  
A291011 8.51123 [  $\{-((66*x^3-123*x^2+76*x-15)/(66*x^4-133*x^3+100*x^2-33*x+4)$  lgdogf]  
A291012 13.8052 [  $-(x^2+3*x-2)/(3*x-1)/(2*x-1)$  ogf]  
A291012 7.10365 [  $\{-a(n+3)+5*a(n+2)-6*a(n+1), a(0) = 2, a(1) = 7, a(2) = 22\}$ , ogf]

A291012 9.50229 [  $-(23x^2-26x+7)/(6x^4+13x^3-26x^2+13x-2)$  lgdogf]  
A291013 5.32654 [  $\{(-2n+2)a(n+1)+(3n+9)a(n+2)+(-n-4)a(n+3), a(0) = 0, a(1) = 3, a(2) = 6\}$ , ogf]  
A291013 7.78092 [  $-(2x^4+4x^3+12x^2-18x+6)/(2x^5-13x^4+36x^3-39x^2+18x-3)$  lgdogf]  
A291013 9.44826 [  $-x(x^4-6x^3+15x^2-12x+3)/(2x-1)^3$  ogf]  
A291014 7.59007 [  $-x^2(3x^3-6x^2+6x-2)/(2x-1)^2/(x^2-x+1)^2$  ogf]  
A291015 14.4271 [  $(3x-2)/(x^3-6x^2+5x-1)$  ogf]  
A291015 6.76668 [  $\{-a(n+3)+5a(n+2)-6a(n+1)+a(n), a(0) = 2, a(1) = 7, a(2) = 23\}$ , ogf]  
A291015 8.99571 [  $-(6x^3-24x^2+24x-7)/(3x^4-20x^3+27x^2-13x+2)$  lgdogf]  
A291016 15.5381 [  $-(5x-4)/(6x^2-6x+1)$  ogf]  
A291016 8.42426 [  $\{-a(n+2)+6a(n+1)-6a(n), a(0) = 4, a(1) = 19\}$ , ogf]  
A291016 9.98877 [  $(-30x^2+48x-19)/(-30x^3+54x^2-29x+4)$  lgdogf]  
A291017 10.0238 [  $(-42x^2+70x-29)/(-42x^3+77x^2-41x+5)$  lgdogf]  
A291017 15.5926 [  $-(6x-5)/(7x^2-7x+1)$  ogf]  
A291017 8.45381 [  $\{-a(n+2)+7a(n+1)-7a(n), a(0) = 5, a(1) = 29\}$ , ogf]  
A291018 15.2226 [  $-(7x-6)/(8x^2-8x+1)$  ogf]  
A291018 8.25322 [  $\{-a(n+2)+8a(n+1)-8a(n), a(0) = 6, a(1) = 41\}$ , ogf]  
A291018 9.64813 [  $(-56x^2+96x-41)/(-56x^3+104x^2-55x+6)$  lgdogf]  
A291019 9.88325 [  $-(2x^3-2x^2+2x-1)/(3x^4-6x^3+8x^2-5x+1)$  ogf]  
A291020 8.46455 [  $-(x^4+2x^3-4x^2+3x-1)/(7x^4-14x^3+13x^2-6x+1)$  ogf]  
A291021 7.83340 [  $-(x^4-4x^3+4x^2-3x+1)/(2x-1)/(x^2-3x+1)/(x^2-x+1)$  ogf]  
A291023 12.1318 [  $(-20x^2-8x-4)/(10x^3-x^2-8x+3)$  lgdogf]  
A291023 16.3408 [  $-x(5x-3)/(x+1)/(2x-1)^2$  ogf]  
A291023 8.60969 [  $\{-a(n+3)+3a(n+2)-4a(n), a(0) = 0, a(1) = 3, a(2) = 4\}$ , ogf]  
A291024 11.9827 [  $-4x^*(2x-1)/(x^2+2x-1)^2$  ogf]  
A291024 12.9812 [  $(-6x^2-2)/(2x^3+3x^2-4x+1)$  lgdogf]  
A291024 3.95368 [  $\{(n+3)a(n+4)+(-10-4n)a(n+3)+(3+3n)a(n+2)+(6+2n)a(n+1), a(0) = 0, a(1) = 4, a(2) = 8, a(3) = 24\}$ , ogf]  
A291025 10.4422 [  $(3x^2-7x+3)/(x^4-7x^3+13x^2-7x+1)$  ogf]  
A291026 9.84717 [  $(4x^2-9x+4)/(x^4-8x^3+15x^2-8x+1)$  ogf]  
A291027 10.4921 [  $(5x^2-11x+5)/(x^4-9x^3+17x^2-9x+1)$  ogf]  
A291028 9.84256 [  $(3x-2)*(2x-3)/(x^4-10x^3+19x^2-10x+1)$  ogf]  
A291029 7.01744 [  $(x^4-3x^3+5x^2-3x+1)/(x^6-7x^5+18x^4-25x^3+18x^2-7x+1)$  ogf]  
A291030 5.26842 [  $(x^2-x+1)*(x^4-4x^3+7x^2-4x+1)/(x^8-9x^7+33x^6-68x^5+85x^4-68x^3+33x^2-9x+1)$  ogf]  
A291031 6.92043 [  $(3x^4-12x^3+16x^2-12x+3)/(x^2-3x+1)/(x^4-6x^3+8x^2-6x+1)$  ogf]  
A291032 5.49306 [  $(x^6-5x^5+12x^4-17x^3+12x^2-5x+1)/(x^8-9x^7+33x^6-68x^5+87x^4-68x^3+33x^2-9x+1)$  ogf]  
A291033 15.1592 [  $-(2x-8)/(x^2-8x+1)$  lgdogf]  
A291033 22.0497 [  $6/(x^2-8x+1)$  ogf]  
A291033 8.76675 [  $\{-a(n+2)+8a(n+1)-a(n), a(0) = 6, a(1) = 48\}$ , ogf]  
A291034 14.3545 [  $-(2x-9)/(x^2-9x+1)$  lgdogf]  
A291034 20.8793 [  $7/(x^2-9x+1)$  ogf]  
A291034 8.30142 [  $\{-a(n+2)+9a(n+1)-a(n), a(0) = 7, a(1) = 63\}$ , ogf]  
A291035 10.0371 [  $-(x+1)*(x^2-x-1)/(x^3+2x-1)/(x^3-x-1)$  ogf]  
A291036 9.78022 [  $-2*(x^3-x-1)/(x^6+2x^4-2x^3-2x^2-2x+1)$  ogf]  
A291037 10.1456 [  $-(x^3-x-1)/(x^6+2x^4-2x^3-2x^2-2x+1)$  ogf]  
A291038 7.82196 [  $(-3x^5-3x^3+3x^2-2x+3)/(-x^6-3x^4+2x^3-2x^2+3x-1)$  lgdogf]  
A291038 9.75205 [  $-4*(x^3+x-1)/(x^3+2x-1)^2$  ogf]  
A291039 10.3020 [  $-(x^3+x-1)/(x^3+2x-1)^2$  ogf]  
A291039 8.26304 [  $(-3x^5-3x^3+3x^2-2x+3)/(-x^6-3x^4+2x^3-2x^2+3x-1)$  lgdogf]  
A291040 4.89948 [  $-(3x^{11}+5x^{10}+5x^9+3x^8+4x^7+5x^6+3x^5+5x^4+4x^3+3x^2+5x+5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+1)/(x^4-x^2+1)$  ogf]  
A291053 5.92698 [  $-(18x^8-77x^7+112x^6-89x^5+61x^4-30x^3+2x^2+2x-2)/$

$(x-1)^6 \text{ ogf}]$   
A291055 4.19013 [  $-(x^{13}+x^{12}-3x^9+2x^7+x^6+x^5-x^4-x^3-x^2-2x-1)/(x^{14}-x^{11}-2x^{10}+x^9+2x^8+x^7-x^5-x^4-x^3-x^2+1) \text{ ogf}]$   
A291063 3.85992 [  $-(15x^{14}-14x^{13}-12x^{11}-11x^{10}+30x^9+9x^8-8x^7-7x^6-6x^5+2x+1)/(x-1)/(x^{14}-x^{11}-2x^{10}+x^9+2x^8+x^7-x^5-x^4-x^3-x^2+1) \text{ ogf}]$   
A291064 7.12326 [  $(-(-32x^4+48x^3-42x^2+29x-9)/(-32x^5+96x^4-118x^3+77x^2-27x+4) \text{ lgdogf}]$   
A291064 9.20812 [  $-(16x^3-24x^2+15x-4)/(2x-1)^2/(x-1)^2 \text{ ogf}]$   
A291066 13.8095 [  $-(320x-28)/(160x^2-28x+1) \text{ lgdogf}]$   
A291066 20.1545 [  $24/(20x-1)/(8x-1) \text{ ogf}]$   
A291066 8.47403 [  $\{-a(n+2)+28a(n+1)-160a(n), a(0) = 24, a(1) = 672\}, \text{ ogf}]$   
A291090 8.69864 [  $(-(-4x^4+8x^3-5x^2+x)/(-x^4+2x^3-5x^2+4x-1) \text{ revogf}]$   
A291091 11.9199 [  $(-2x+(4x^2+1)^{(1/2)})x/(x^2+1) \text{ revogf}]$   
A291092 10.9787 [  $\{a(n+2)-a(n+1), a(0) = 1, a(1) = 9\}, \text{ ogf}]$   
A291092 21.3639 [  $-(1+8x)/(x-1) \text{ ogf}]$   
A291092 21.9574 [  $9/(-8x^2+7x+1) \text{ lgdogf}]$   
A291096 4.76999 [  $\{(-256n^3-1152n^2-1712n-840)a(n+1)+(9n^3+54n^2+107n+70)a(n+2), a(0) = 1, a(1) = 3\}, \text{ ogf}]$   
A291097 10.0549 [  $-(5x^3-11x^2+10x-3)/(2x-1)^2/(x-1)^2 \text{ ogf}]$   
A291097 7.75666 [  $(-(-10x^4+29x^3-45x^2+32x-8)/(-10x^5+37x^4-58x^3+47x^2-19x+3) \text{ lgdogf}]$   
A291102 3.97240 [  $(-4x^{13}+x^{11}-3x^{10}-7x^9+3x^8+6x^7+2x^6+x^5-2x^4-3x^3-x^2-2x-2)/(x^{14}-x^{11}-2x^{10}+x^9+2x^8+x^7-x^5-x^4-x^3-x^2+1) \text{ ogf}]$   
A291107 9.81321 [  $-(5x^5-4x^3+x^2-2x-3)/(x^6-x^4-x^2-x+1) \text{ ogf}]$   
A291124 12.7414 [  $(-8x^3+8x^2-20x+8)/(x^4-1) \text{ ogf\_with\_Euler\_transform}]$   
A291142 11.9397 [  $-x*(2x-1)/(x^2+2x-1)^2 \text{ ogf}]$   
A291142 12.9347 [  $(-6x^2-2)/(2x^3+3x^2-4x+1) \text{ lgdogf}]$   
A291142 3.95960 [  $\{(n+3)a(n+4)+(-10-4n)a(n+3)+(3+3n)a(n+2)+(6+2n)a(n+1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6\}, \text{ ogf}]$   
A291143 4.81836 [  $-x^2*(7x^6-27x^5+54x^4-63x^3+45x^2-18x+3)/(2x-1)^3/(x^2-x+1)^3 \text{ ogf}]$   
A291146 11.2248 [  $-(x^{27}+x^8-1)/(x^{28}-x^{27}-x^8-x+1) \text{ ogf}]$   
A291147 6.14621 [  $-(x^{28}-x^{27}-x^8-x+1)/(x^{27}+x^8-1) \text{ ogf}]$   
A291149 11.5933 [  $(-15x^{16}+1)/(-x^{32}-x^{17}+2x^{16}+x-1) \text{ lgdogf}]$   
A291149 16.5943 [  $(x-1)*(x+1)*(x^2+1)*(x^4+1)*(x^8+1)/(x^{16}+x-1) \text{ ogf}]$   
A291149 6.91170 [  $(-x^{20}+x^{16}+x^5-x^3-x^2+1)/(x^{32}-x^{19}+x^{17}-x^5+x^3+x^2-1) \text{ ogf\_with\_Euler\_transform}]$   
A291168 13.4046 [  $(-x^{33}-x^2+1)/(x^{32}+x^2-1) \text{ ogf\_with\_Euler\_transform}]$   
A291168 16.6087 [  $(x-1)*(x+1)*(x^2+1)*(x^4+1)*(x^8+1)*(x^{16}+1)/(x^{32}+x-1) \text{ ogf}]$   
A291169 9.61683 [  $(x^{27}+x^8+1)/(x^{28}+x^{27}+x^8+x+1) \text{ ogf}]$   
A291179 10.9130 [  $(-(-2315250x^{103}-2315250x^{102}+266284x^2+132720x+44100)/(1157625x^{102}+133142x^3-66782x^2-44310x-22050) \text{ lgdogf}]$   
A291179 11.8224 [  $-x*(x^{103}+2x^{102}+10x^3+6x^2+3x+1)/(3x^{103}-2x^{102}-10x^5+14x^4-x^3-x^2-x-1) \text{ ogf}]$   
A291179 119.810 [  $[2] \text{ ogf\_with\_Euler\_transform}]$   
A291181 13.9601 [  $(-2x-10)/(x^2-10x+1) \text{ lgdogf}]$   
A291181 20.5296 [  $8/(x^2-10x+1) \text{ ogf}]$   
A291181 8.30958 [  $\{-a(n+2)+10a(n+1)-a(n), a(0) = 8, a(1) = 80\}, \text{ ogf}]$   
A291182 10.4844 [  $(3x^2-8x+3)/(x^2-4x+1)/(x^2-3x+1) \text{ ogf}]$   
A291183 10.2897 [  $2*(2x-1)*(x-2)/(x^4-8x^3+16x^2-8x+1) \text{ ogf}]$   
A291184 9.93641 [  $(4x^2-11x+4)/(x^2-5x+1)/(x^2-3x+1) \text{ ogf}]$   
A291217 13.7467 [  $-x^2/(x^2+x-1)/(x^4-x^3-x^2+x+1) \text{ ogf}]$   
A291217 8.80408 [  $(-6x^5-12x^3+3x^2+6x)/(x^6-3x^4+x^3+3x^2-1) \text{ lgdogf}]$   
A291218 10.3278 [  $-x^4/(x^2+x-1)/(x^8-x^7-3x^6+2x^5+5x^4-2x^3-3x^2+x+1) \text{ ogf}]$   
A291219 9.02819 [  $(-x^4-x^2+1)/(x^6+x^5-3x^4-x^3+3x^2+x-1) \text{ ogf}]$   
A291220 6.72280 [  $(-x^2-x-1)*(x^4+x^3-x^2-x+1)/(x^4+x^3-2x^2+1)/(x^4-2x^2-x+1) \text{ ogf}]$   
A291221 5.27553 [  $-x^2*(x^2-x-1)*(x^4+x^3-x^2-x+1)/(x^{12}-6x^{10}+x^9+15x^8-3x^7-21x^6+3x^5+15x^4-x^3-6x^2+1) \text{ ogf}]$

A291222 10.5514 [  $x^*(x^2-x-1)/(x^6-4x^4+x^3+4x^2-1)$  ogf]  
A291223 7.98770 [  $-(x^2-x-1)*x^2/(x^8-4x^6+x^5+5x^4-x^3-4x^2+1)$  ogf]  
A291224 5.74175 [  $-(2x^2+x-2)*(2x^4+2x^3-3x^2-2x+2)/(x^2+x-1)^4$  ogf]  
A291225 4.34072 [  $-(5x^8+10x^7-10x^6-25x^5+11x^4+25x^3-10x^2-10x+5)/(x^2+x-1)^5$  ogf]  
A291226 3.60878 [  $-(2x^2+x-2)*(3x^4+3x^3-5x^2-3x+3)*(x^4+x^3-x^2-x+1)/(x^2+x-1)^6$  ogf]  
A291227 11.4466 [  $-(x^2-2x-1)/(x^2+2x-1)/(x^2-x-1)$  ogf]  
A291227 7.05195 [  $-(-2x^5+5x^4+8x^3-6x^2-6x-3)/(-x^6+x^5+7x^4-6x^3-7x^2+x+1)$  lgdogf]  
A291228 10.6518 [  $-2*(x^2-x-1)/(x^4+2x^3-4x^2-2x+1)$  ogf]  
A291228 5.10397 [  $\{-a(n+4)+2a(n+3)+4a(n+2)-2a(n+1)-a(n), a(0) = 2, a(1) = 6, a(2) = 18, a(3) = 56\}$ , ogf]  
A291228 7.65596 [  $-(-2x^5+x^4+8x^3-6x-3)/(-x^6-x^5+7x^4-7x^2-x+1)$  lgdogf]  
A291229 12.8242 [  $-(3x^2+2x-3)/(x^2+x-1)/(x^2+2x-1)$  ogf]  
A291229 7.17684 [  $-(-6x^5-15x^4+18x^2+6x-7)/(-3x^6-11x^5-3x^4+18x^3+3x^2-11x+3)$  lgdogf]  
A291230 7.49680 [  $-(6x^4+11x^3-6x^2-11x+6)/(x^2+2x-1)/(x^2+3x-1)/(x^2+x-1)$  ogf]  
A291231 4.92720 [  $-(10x^6+35x^5+20x^4-46x^3-20x^2+35x-10)/(x^2+x-1)/(x^2+3x-1)/(x^2+4x-1)/(x^2+2x-1)$  ogf]  
A291232 10.8696 [  $-3*(x+2)*(2x-1)/(x^2+3x-1)^2$  ogf]  
A291232 9.37499 [  $-(-4x^3-9x^2-5x+9)/(-2x^4-9x^3-5x^2+9x-2)$  lgdogf]  
A291233 7.82365 [  $-(x^4-x^3-x^2+x+1)/(x^6+x^5-4x^4-x^3+4x^2+x-1)$  ogf]  
A291234 5.73192 [  $-(x^2-x-1)*(x^4-x^2+1)/(x^8+x^7-5x^6-2x^5+7x^4+2x^3-5x^2-x+1)$  ogf]  
A291235 4.57865 [  $-(x^8-x^7-3x^6+2x^5+5x^4-2x^3-3x^2+x+1)/(x^{10}+x^9-6x^8-3x^7+12x^6+5x^5-12x^4-3x^3+6x^2+x-1)$  ogf]  
A291236 10.6715 [  $-(4x^2+3x-4)/(x^2+3x-1)/(x^2+x-1)$  ogf]  
A291237 7.14305 [  $-(7x^4+14x^3-6x^2-14x+7)/(x^2+x-1)/(x^2+2x-1)/(x^2+4x-1)$  ogf]  
A291238 7.53475 [  $-(4x^4+5x^3-6x^2-5x+4)/(x^2+2x-1)/(x^2+x-1)^2$  ogf]  
A291239 7.61060 [  $-(2x^4-x^3-6x^2+x+2)/(x^2+x-1)/(x^2+2x-1)/(x^2-x-1)$  ogf]  
A291240 5.22668 [  $-x^2*(2x^6-6x^4+x^3+6x^2-2)/(x^2+x-1)^2/(x^4-x^3-x^2+x+1)^2$  ogf]  
A291241 7.79387 [  $-(x^4-x^3-3x^2+x+1)/(x^2-x-1)/(x^2+x-1)^2$  ogf]  
A291242 7.50141 [  $-(2x^2+x-2)*(x^2-x-1)/(x^6+2x^5-4x^4-5x^3+4x^2+2x-1)$  ogf]  
A291243 11.3488 [  $-(3x^2+x-3)/(x^4+3x^3-x^2-3x+1)$  ogf]  
A291243 6.92980 [  $-(-6x^5-12x^4+6x^3+19x^2-8)/(-3x^6-10x^5+3x^4+19x^3-3x^2-10x+3)$  lgdogf]  
A291244 10.8696 [  $-(4x^2+x-4)/(x^4+4x^3-x^2-4x+1)$  ogf]  
A291244 6.57894 [  $-(8x^5+19x^4-8x^3-33x^2+15)/(4x^6+17x^5-4x^4-33x^3+4x^2+17x-4)$  lgdogf]  
A291245 10.4516 [  $-(5x^2+x-5)/(x^4+5x^3-x^2-5x+1)$  ogf]  
A291246 10.3931 [  $-(6x^2+x-6)/(x^4+6x^3-x^2-6x+1)$  ogf]  
A291247 5.78492 [  $-(x^6-x^5-2x^4+3x^3+2x^2-x-1)/(x^8+x^7-5x^6-2x^5+9x^4+2x^3-5x^2-x+1)$  ogf]  
A291248 4.47645 [  $-(x^8-x^7-3x^6+2x^5+3x^4-2x^3-3x^2+x+1)/(x^2-x-1)/(x^8+2x^7-3x^6-4x^5+5x^4+4x^3-3x^2-2x+1)$  ogf]  
A291249 4.70364 [  $-(x^8-x^7-3x^6+4x^5+3x^4-4x^3-3x^2+x+1)/(x^2+x-1)/(x^4+x^3-3x^2-x+1)/(x^4-x^3-x^2+x+1)$  ogf]  
A291250 7.82084 [  $-(x^4-2x^3-4x^2+2x+1)/(x^2+x-1)/(x^4-4x^2+1)$  ogf]  
A291251 9.32017 [  $x^*(3x^2+2x-3)/(x^2-2x-1)/(x^2+x-1)^2$  ogf]  
A291253 5.86102 [  $-(x^2+x-1)*(2x^2-x-2)*(x^2-x-1)/(x^4+x^3-3x^2-x+1)^2$  ogf]  
A291254 5.60534 [  $-(2x^2-x-2)*(2x^4+2x^3-5x^2-2x+2)/(x^4+2x^3-3x^2-2x+1)^2$  ogf]  
A291255 5.52334 [  $-(x^2-2x-1)*(2x^4+x^3-6x^2-x+2)/(x^2+2x-1)^2/(x^2-x-1)^2$  ogf]  
A291257 11.0108 [  $-(x^2-x-1)/(x^4+2x^3-4x^2-2x+1)$  ogf]  
A291257 5.31288 [  $\{-a(n+4)+2a(n+3)+4a(n+2)-2a(n+1)-a(n), a(0) = 1, a(1) = 3,$

$a(2) = 9, a(3) = 28$ }, ogf]  
A291257 7.91398  $[-(-2*x^5+x^4+8*x^3-6*x-3)/(-x^6-x^5+7*x^4-7*x^2-x+1) \text{ lgdogf}]$   
A291264 10.8659  $[-4*(x^2+x-1)/(x^2+2*x-1)^2 \text{ ogf}]$   
A291264 11.0257  $[-(2*x^3+3*x^2-3)/(x^4+3*x^3-3*x+1) \text{ lgdogf}]$   
A291264 5.13524  $[{-a(n+4)+4*a(n+3)-2*a(n+2)-4*a(n+1)-a(n), a(0) = 4, a(1) = 12, a(2) = 36, a(3) = 104}], \text{ ogf}]$   
A291265 11.1437  $[-(x+2)*(2*x-1)/(x^2+3*x-1)^2 \text{ ogf}]$   
A291265 9.61140  $[-(-4*x^3-9*x^2-5*x+9)/(-2*x^4-9*x^3-5*x^2+9*x-2) \text{ lgdogf}]$   
A291268 11.6591  $[(x^4+2*x^2-x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2 \text{ ogf}]$   
A291271 12.3115  $[x*(2*x^2-x+1)/(x^2+1)/(x+1)/(x-1)^2 \text{ ogf}]$   
A291285 11.7136  $[x/(81*x^4+108*x^3+54*x^2+12*x+1) \text{ revogf}]$   
A291285 4.36389  $[{(256*n^3+1920*n^2+4784*n+3960)*a(n+1)+(-9*n^3-81*n^2-242*n-240)*a(n+2), a(0) = 1, a(1) = 12}], \text{ ogf}]$   
A291286 3.20175  $[{(-n^3-2*n^2-n)*a(n)+(-n^3-7*n^2-14*n-8)*a(n+1)+(-n^2-5*n-8)*a(n+2)+(n+3)*a(n+3), a(0) = 1, a(1) = 2, a(2) = 4}], \text{ ogf}]$   
A291287 5.22252  $[{(n^2+n)*a(n)+(n+2)*a(n+1)-a(n+2), a(0) = 1, a(1) = 1, a(2) = 3}], \text{ ogf}]$   
A291288 12.5446  $[-(-30*x^2-5)/(-6*x^3+8*x^2-3*x+1) \text{ lgdogf}]$   
A291288 3.80706  $[{(n+4)*a(n+4)+(-14-3*n)*a(n+3)+(8*n+16)*a(n+2)+(-36-6*n)*a(n+1), a(0) = 1, a(1) = 5, a(2) = 20, a(3) = 70}], \text{ ogf}]$   
A291288 7.88887  $[-(6*x^2-2*x+1)/(x-1)^7 \text{ ogf}]$   
A291289 10.6036  $[-(x^4-3*x^2)/(x^5+x^4-x^3-2*x^2+1) \text{ lgdogf}]$   
A291289 15.2052  $[2*(x-1)*(x+1)/(x^3+x^2-1) \text{ ogf}]$   
A291289 8.75952  $[{-a(n+3)+a(n+1)+a(n), a(0) = 2, a(1) = 0, a(2) = 0}], \text{ ogf}]$   
A291290 9.74611  $[x*(3*x^7+x^6+x^5+3*x^4+x^3+x^2+1)/(x+1)/(x^2-x+1)/(x-1)^2/(x^2+x+1)^2 \text{ ogf}]$   
A291304 8.88698  $[ (x^8+x^6+3*x^4-2*x^3+x^2+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 \text{ ogf}]$   
A291305 10.9977  $[ (5*x^4-3*x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A291306 10.8327  $[ 2*x^2*(3*x^3-2*x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2 \text{ ogf}]$   
A291307 10.2278  $[ x^2*(3*x^3-2*x^2+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2 \text{ ogf}]$   
A291311 11.9257  $[-(x-1)*(x+1)/(x^2+x-1)/(x^4+x-1) \text{ ogf}]$   
A291330 12.8978  $[ 2*x*(2*x^2-x+1)/(x^2+1)/(x+1)/(x-1)^2 \text{ ogf}]$   
A291337 12.3729  $[-(2*x^2-2*x+1)/(5*x^3-7*x^2+5*x-1) \text{ ogf}]$   
A291337 6.67918  $[{-a(n+3)+5*a(n+2)-7*a(n+1)+5*a(n), a(0) = 1, a(1) = 3, a(2) = 10}], \text{ ogf}]$   
A291337 7.25718  $[{-(-10*x^4+20*x^3-19*x^2+10*x-3)/(-10*x^5+24*x^4-29*x^3+19*x^2-7*x+1) \text{ lgdogf}]$   
A291357 8.32241  $[-(2*x^5+4*x^4+2*x^3+3*x^2+2*x+4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) \text{ ogf}]$   
A291358 8.32241  $[-(2*x^5+5*x^4+2*x^3+3*x^2+2*x+5)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) \text{ ogf}]$   
A291379 7.46250  $[-x^3*(x+1)^4/(x^2+x+1)/(x^4+2*x^3+x^2+1)/(x^2+x-1) \text{ ogf}]$   
A291380 6.18929  $[-x^4*(x+1)^5/(x^2+x-1)/(x^8+4*x^7+7*x^6+7*x^5+5*x^4+3*x^3+2*x^2+x+1) \text{ ogf}]$   
A291381 5.32870  $[-x^5*(x+1)^6/(x^2+x+1)/(x^2+x-1)/(x^4+2*x^3-x+1)/(x^4+2*x^3+2*x^2+x+1) \text{ ogf}]$   
A291382 9.67351  $[ -(x+1)*(x^2+x+2)/(x^4+2*x^3+3*x^2+2*x-1) \text{ ogf}]$   
A291383 9.60505  $[ -2*(x+1)*(x^2+x+1)/(2*x^4+4*x^3+4*x^2+2*x-1) \text{ ogf}]$   
A291384 9.35117  $[ -(x+1)*(x^2+x+1)/(2*x^4+4*x^3+4*x^2+2*x-1) \text{ ogf}]$   
A291385 11.8934  $[ -(x+1)*(x^2+x-1)/(2*x^2+2*x-1)^2 \text{ ogf}]$   
A291385 3.39066  $[{(-4*n^2-32*n-48)*a(n+1)+(-6*n^2-50*n-96)*a(n+2)+(-32-8*n)*a(n+3)+(n^2+9*n+20)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 14, a(3) = 47}], \text{ ogf}]$   
A291385 8.05281  $[{-(-2*x^4-6*x^3-3*x^2+4*x+4)/(-2*x^5-6*x^4-3*x^3+4*x^2+2*x-1) \text{ lgdogf}]$   
A291386 7.04835  $[{-(-9*x^4-27*x^3-18*x^2+9*x+11)/(-9*x^5-27*x^4-18*x^3+9*x^2+7*x-2) \text{ lgdogf}]$   
A291386 9.12671  $[ -(x+1)*(3*x^2+3*x-2)/(3*x^2+3*x-1)^2 \text{ ogf}]$   
A291387 7.07848  $[{-(-8*x^4-24*x^3-18*x^2+4*x+7)/(-8*x^5-24*x^4-18*x^3+4*x^2+5*x-1) \text{ lgdogf}]$   
A291387 8.73886  $[ -8*(x+1)*(2*x^2+2*x-1)/(4*x^2+4*x-1)^2 \text{ ogf}]$



A291388 7.11756 [  $(-8x^4-24x^3-18x^2+4x+7)/(-8x^5-24x^4-18x^3+4x^2+5x-1)$  lgdogf]  
A291388 9.00957 [  $-(x+1)*(2x^2+2x-1)/(4x^2+4x-1)^2$  ogf]  
A291389 6.73308 [  $(-25x^4-75x^3-60x^2+5x+17)/(-25x^5-75x^4-60x^3+5x^2+13x-2)$  lgdogf]  
A291389 8.23812 [  $-5*(x+1)*(5x^2+5x-2)/(5x^2+5x-1)^2$  ogf]  
A291390 6.98456 [  $(-25x^4-75x^3-60x^2+5x+17)/(-25x^5-75x^4-60x^3+5x^2+13x-2)$  lgdogf]  
A291390 8.85846 [  $-(x+1)*(5x^2+5x-2)/(5x^2+5x-1)^2$  ogf]  
A291391 7.47287 [  $(-18x^4-54x^3-45x^2+10)/(-18x^5-54x^4-45x^3+8x-1)$  lgdogf]  
A291391 8.00036 [  $-12*(x+1)*(3x^2+3x-1)/(6x^2+6x-1)^2$  ogf]  
A291392 7.49420 [  $(-18x^4-54x^3-45x^2+10)/(-18x^5-54x^4-45x^3+8x-1)$  lgdogf]  
A291392 8.41941 [  $-(x+1)*(3x^2+3x-1)/(6x^2+6x-1)^2$  ogf]  
A291393 9.82349 [  $-(x+1)*(2x^2+2x-3)/(2x^2+2x-1)/(x^2+x-1)$  ogf]  
A291394 9.61483 [  $-(x+1)*(3x^2+3x-4)/(3x^2+3x-1)/(x^2+x-1)$  ogf]  
A291395 9.69738 [  $-(x+1)*(6x^2+6x-5)/(2x^2+2x-1)/(3x^2+3x-1)$  ogf]  
A291396 6.29985 [  $-(x+1)*(6x^4+12x^3-5x^2-11x+6)/(2x^2+2x-1)/(3x^2+3x-1)/(x^2+x-1)$  ogf]  
A291397 7.21757 [  $-(x+1)*(x^4+2x^3+x^2+1)/(x^3+x^2+1)/(x^3+2x^2+x-1)$  ogf]  
A291398 7.92034 [  $-x*(x^2+x+1)*(x+1)^2/(x^6+3x^5+4x^4+3x^3+x^2-1)$  ogf]  
A291399 5.27782 [  $-(x+1)*(x^2+x+1)*(x^4+2x^3+x^2+1)/(x^8+4x^7+7x^6+7x^5+5x^4+3x^3+2x^2+x-1)$  ogf]  
A291400 5.82756 [  $-x*(x^4+2x^3+x^2+1)*(x+1)^2/(x^8+4x^7+6x^6+4x^5+2x^4+2x^3+x^2-1)$  ogf]  
A291401 6.40387 [  $-(x+1)*(x^2+x+1)*(x^4+2x^3-x+1)/(x^8+4x^7+6x^6+4x^5+x^4+x^2+x-1)$  ogf]  
A291402 6.33779 [  $-x^2*(x^2+x+1)*(x+1)^3/(x^8+4x^7+7x^6+7x^5+4x^4+x^3-1)$  ogf]  
A291403 5.73280 [  $-x*(x^4+2x^3+x^2+2)*(x+1)^2/(x^8+4x^7+6x^6+4x^5+3x^4+4x^3+2x^2-1)$  ogf]  
A291404 5.87727 [  $-x*(2x^4+4x^3+2x^2+1)*(x+1)^2/(2x^4+4x^3+2x^2-1)/(x^4+2x^3+x^2+1)$  ogf]  
A291405 5.54526 [  $-2*x*(x^4+2x^3+x^2+1)*(x+1)^2/(2x^8+8x^7+12x^6+8x^5+4x^4+4x^3+2x^2-1)$  ogf]  
A291406 5.74175 [  $-x*(x^4+2x^3+x^2+1)*(x+1)^2/(2x^8+8x^7+12x^6+8x^5+4x^4+4x^3+2x^2-1)$  ogf]  
A291407 3.94254 [  $-x^2*(x^2+x+1)*(x^4+2x^3-x+1)*(x+1)^3/(x^12+6x^11+15x^10+20x^9+15x^8+6x^7+2x^6+3x^5+3x^4+x^3-1)$  ogf]  
A291408 7.26567 [  $-(x+1)*(x^4+2x^3-x-1)/(x^2+x+1)/(x^2+x-1)^2$  ogf]  
A291409 5.72721 [  $-(x+1)*(x^6+3x^5+x^4-3x^3-2x^2+2)/(x^2+x+1)/(x^2+x-1)^3$  ogf]  
A291410 7.01263 [  $-(x+1)*(2x^4+4x^3+3x^2+x+1)/(2x^2+2x-1)/(x^4+2x^3+2x^2+x+1)$  ogf]  
A291411 7.18410 [  $-(x-1)*(x+2)*(x+1)*(x^2+x+1)/(x^6+3x^5+2x^4-x^3-3x^2-2x+1)$  ogf]  
A291412 7.14564 [  $-(x+1)*(x^4+2x^3-x^2-2x-1)/(x^6+3x^5+x^4-3x^3-3x^2-x+1)$  ogf]  
A291413 6.69554 [  $-(x+1)*(x^4+2x^3+2x^2+x-3)/(x^2+x-1)/(x^4+2x^3+3x^2+2x-1)$  ogf]  
A291414 6.92721 [  $-(x+1)*(x^4+2x^3+x^2-2)/(x^2+x-1)/(x^4+2x^3+2x^2+x-1)$  ogf]  
A291415 9.64736 [  $-(x+1)*(x^2+x-3)/(x^4+2x^3-2x^2-3x+1)$  ogf]  
A291416 9.69925 [  $-(x+1)*(x^2+x-4)/(x^4+2x^3-3x^2-4x+1)$  ogf]  
A291417 9.41032 [  $-2*(x-1)*(x+2)*(x+1)/(2x^4+4x^3-2x^2-4x+1)$  ogf]  
A291419 5.29839 [  $-(20x^12+10x^11-10x^10+4x^5-4x^4-2x^2-x+1)/(20x^13-20x^12-20x^11+10x^10-8x^5+4x^4-2x^3+2x^2+2x-1)$  ogf]  
A291454 12.2382 [  $-(x+1)*(x^5+x^4+x^3+x^2+2)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A291462 9.86566 [  $-(x-1)*(x+2)*(x+1)/(2x^4+4x^3-2x^2-4x+1)$  ogf]  
A291497 10.6999 [  $(-3x^5+5x^4-5x+5)/(x^6-x^5-5x^2+10x-5)$  lgdogf]

A291497 16.3527 [  $-(x^5-5x+5)/(x-1)^2$  ogf]  
A291498 10.6898 [  $-(-4x^6+3x^5+5x^4-11x+11)/(x^7-x^5-11x^2+22x-11)$  lgdogf]  
A291498 15.7801 [  $-(x^6+x^5-11x+11)/(x-1)^2$  ogf]  
A291499 10.4129 [  $-(5x^7+x^6-12x^5+19x-19)/(-x^8-x^7+2x^6+19x^2-38x+19)$  lgdogf]  
A291499 16.8590 [  $-(x^7+2x^6-19x+19)/(x-1)^2$  ogf]  
A291500 10.7878 [  $-(6x^8+7x^7-21x^6+29x-29)/(-x^9-2x^8+3x^7+29x^2-58x+29)$  lgdogf]  
A291500 17.4660 [  $-(x^8+3x^7-29x+29)/(x-1)^2$  ogf]  
A291501 10.7846 [  $-(7x^9+15x^8-32x^7+41x-41)/(-x^{10}-3x^9+4x^8+41x^2-82x+41)$  lgdogf]  
A291501 17.8032 [  $-(x^9+4x^8-41x+41)/(x-1)^2$  ogf]  
A291502 10.6014 [  $-(8x^{10}+25x^9-45x^8+55x-55)/(-x^{11}-4x^{10}+5x^9+55x^2-110x+55)$  lgdogf]  
A291502 17.7242 [  $-(x^{10}+5x^9-55x+55)/(x-1)^2$  ogf]  
A291509 9.31929 [  $-(2x^7-2x^6+2x^5-2x^4+2x^3-2x^2-6x+7)/(x-1)^2$  ogf]  
A291510 12.2734 [  $-(-5x^7+7x^6-7x+7)/(x^8-x^7-7x^2+14x-7)$  lgdogf]  
A291510 18.0754 [  $2*(x^7-7x+7)/(x-1)^2$  ogf]  
A291511 10.3118 [  $-(2x^8+2x^7-2x^6+2x^5-2x^4+2x^3-2x^2-22x+23)/(x-1)^2$  ogf]  
A291512 11.7060 [  $-(7x^9-3x^8-8x^7+17x-17)/(-x^{10}+x^8+17x^2-34x+17)$  lgdogf]  
A291512 17.4660 [  $-2*(x^9+x^8-17x+17)/(x-1)^2$  ogf]  
A291513 9.34667 [  $-(2x^{10}+4x^9-2x^8+2x^7-2x^6+2x^5-2x^4+2x^3-2x^2-46x+47)/(x-1)^2$  ogf]  
A291514 10.5694 [  $-(-7x^9+9x^8-9x+9)/(x^{10}-x^9-9x^2+18x-9)$  lgdogf]  
A291514 16.3527 [  $-(x^9-9x+9)/(x-1)^2$  ogf]  
A291514 4.63473 [  $\{a(n+3)-2a(n+2)+a(n+1), a(0) = -9, a(1) = -9, a(2) = -9, a(3) = -9, a(4) = -9, a(5) = -9, a(6) = -9, a(7) = -9, a(8) = -9, a(9) = -10\}$ , ogf]  
A291515 8.28458 [  $-(x^{10}-x^9+2x^8+2x^7-4x^6+2x^5+2x^4-4x^3+2x^2-17x+17)/(x-1)^2$  ogf]  
A291516 12.9527 [  $-(-7x^9+9x^8-9x+9)/(x^{10}-x^9-9x^2+18x-9)$  lgdogf]  
A291516 19.3113 [  $3*(x^9-9x+9)/(x-1)^2$  ogf]  
A291516 5.41898 [  $\{-a(n+3)+2a(n+2)-a(n+1), a(0) = 27, a(1) = 27, a(2) = 27, a(3) = 27, a(4) = 27, a(5) = 27, a(6) = 27, a(7) = 27, a(8) = 27, a(9) = 30\}$ , ogf]  
A291517 10.3808 [  $-(-24x^{10}+23x^9+9x^8-39x+39)/(3x^{11}-2x^{10}-x^9-39x^2+78x-39)$  lgdogf]  
A291517 17.1931 [  $-(3x^{10}+x^9-39x+39)/(x-1)^2$  ogf]  
A291520 5.62533 [  $\{-a(n+5)+a(n+3), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4, a(4) = 5\}$ , ogf]  
A291520 9.34671 [  $-(2x^4+2x^3+2x^2+2x+1)/(x-1)/(x+1)$  ogf]  
A291521 7.01496 [  $-(2x^{11}-2x^{10}+2x^9-2x^8+2x^7-2x^6+2x^5-2x^4+2x^3-2x^2-10x+11)/(x-1)^2$  ogf]  
A291522 11.1702 [  $-(-8x^{10}+10x^9-10x+10)/(x^{11}-x^{10}-10x^2+20x-10)$  lgdogf]  
A291522 17.7527 [  $-2*(x^{10}-10x+10)/(x-1)^2$  ogf]  
A291523 8.85100 [  $-(2x^{11}+4x^9-6x^8+4x^7-2x^6+4x^5-6x^4+4x^3-2x^2-30x+31)/(x-1)^2$  ogf]  
A291526 16.0968 [  $-(6x-5)/(2x^2-3x+1)$  lgdogf]  
A291526 17.1700 [  $-4x^2/(x-1)/(2x-1)^2$  ogf]  
A291526 7.02407 [  $\{a(n+3)-5a(n+2)+8a(n+1)-4a(n), a(0) = 0, a(1) = 0, a(2) = 4\}$ , ogf]  
A291534 16.8270 [  $-x/(x^3+x^2-x-1)$  revogf]  
A291535 14.9539 [  $-(-2x^2-x)/(-x^2-x+1)$  revogf]  
A291535 3.81177 [  $\{(-5n-10)*a(n+1)+(-20n-55)*a(n+2)+(-21n-75)*a(n+3)+(-2n-10)*a(n+4), a(0) = 1, a(1) = -3, a(2) = 14, a(3) = -82\}$ , ogf]  
A291536 9.33697 [  $-(-x^3-4x^2-x)/(x^4-4x^3+6x^2-4x+1)$  revogf]  
A291537 11.2094 [  $-(48x^2-20x+7)/(x-1)/(8x-1)/(2x-1)$  ogf]  
A291537 6.26964 [  $\{a(n+3)-11a(n+2)+26a(n+1)-16a(n), a(0) = 7, a(1) = 57, a(2) = 493\}$ , ogf]  
A291537 6.37774 [  $-(768x^4-640x^3+328x^2-268x+57)/(768x^5-1568x^4+1160x^3-450x^2+97x-7)$  lgdogf]

A291557 13.2400 [  $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 22, a(1) = 45\}$ , ogf]  
A291557 15.4467 [  $\{-(-42x^2+88x-45)/(-42x^3+107x^2-87x+22) \text{ lgdogf}\}$   
A291557 23.6630 [  $\{-(21x-22)/(2x-1)/(x-1) \text{ ogf}\}$   
A291561 8.39137 [  $\{(4n^3+32n^2+81n+63)a(n+1)+(-n-2)a(n+2), a(0) = 1, a(1) = 10\}$ , ogf]  
A291568 9.34671 [  $\{(3x^4-x^3-x^2-x-1)/(x-1)/(x^4+x^3+x^2+x+1) \text{ ogf}\}$   
A291569 8.53708 [  $\{-(x^{13}+2x^{11}-4x^{10}+2x^9+2x^6-4x^5+2x^4-13x+13)/(x-1)^2 \text{ ogf}\}$   
A291570 9.37876 [  $\{-(x^{12}+3x^{11}-4x^{10}+2x^9+x^7-3x^5+2x^4-23x+23)/(x-1)^2 \text{ ogf}\}$   
A291574 8.28807 [  $\{(4x^5-x^4+x^2-1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1) \text{ ogf}\}$   
A291575 5.48442 [  $\{-(2x^{15}-2x^{14}+4x^{13}-6x^{12}+4x^{11}-2x^{10}+2x^9-2x^8+4x^7-6x^6+4x^5-2x^4+2x^3-2x^2-14x+15)/(x-1)^2 \text{ ogf}\}$   
A291578 7.50044 [  $\{(5x^6-x^5-x^4-x^3-x^2-x-1)/(x-1)/(x^6+x^5+x^4+x^3+x^2+x+1) \text{ ogf}\}$   
A291582 15.8341 [  $\{-6(7x+5)/(x-1)^3 \text{ ogf}\}$   
A291582 17.4175 [  $\{-(14x+22)/(7x^2-2x-5) \text{ lgdogf}\}$   
A291582 7.44339 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 30, a(1) = 132, a(2) = 306\}$ , ogf]  
A291584 6.89691 [  $\{(6x^7-x^6-x^4+2x^3-x^2-1)/(x-1)/(x+1)/(x^2+1)/(x^4+1) \text{ ogf}\}$   
A291622 3.47300 [  $\{-(144x^{11}-1128x^{10}+3876x^9-7634x^8+9470x^7-7077x^6+3717x^5-1084x^4-74x^3+101x^2-13x+2)/(2x-1)^2/(x-1)^7 \text{ ogf}\}$   
A291623 5.01230 [  $\{-(4x^8-27x^7+77x^6-99x^5+273x^4+33x^3+41x^2-3x+1)/(x-1)^7 \text{ ogf}\}$   
A291632 30.1770 [[1+2x] lgdegf]  
A291632 4.55502 [  $\{(-2n^2-10n-12)a(n+1)+(-3-n)a(n+2)+(n+2)a(n+3), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A291658 13.4861 [  $\{-10(x-1)/(25x-1)/(5x-1) \text{ ogf}\}$   
A291658 7.66255 [  $\{-a(n+2)+30a(n+1)-125a(n), a(0) = 10, a(1) = 290\}$ , ogf]  
A291658 9.11222 [  $\{-(-125x^2+250x-29)/(-125x^3+155x^2-31x+1) \text{ lgdogf}\}$   
A291660 14.2113 [  $\{-(x^2-x+2)/(x^2-x+1)/(x^2+x-1) \text{ ogf}\}$   
A291660 7.74006 [  $\{-(-2x^5+3x^4-8x^3+x^2+2x-3)/(-x^6+x^5-x^4-3x^3+5x^2-5x+2) \text{ lgdogf}\}$   
A291675 11.3471 [  $\{2(2x^2+3x+2)/(2x-1)/(x+1)/(x^2+x-1) \text{ ogf}\}$   
A291681 6.31425 [  $\{-(x^6+x^5-3x^4-2x^3+5x^2+9x+1)/(x-1)^3/(x+1)^4 \text{ ogf}\}$   
A291703 4.73793 [  $\{a(n+4)-11a(n+3)+26a(n+2)-16a(n+1), a(0) = 7, a(1) = 54, a(2) = 490, a(3) = 4050\}$ , ogf]  
A291703 8.90731 [  $\{(48x^3-78x^2+23x-7)/(x-1)/(8x-1)/(2x-1) \text{ ogf}\}$   
A291706 12.9357 [  $\{(x^3-3x^2-3x-3)/(x^2+2x-1) \text{ ogf}\}$   
A291706 6.80240 [  $\{-a(n+4)+2a(n+3)+a(n+2), a(0) = 3, a(1) = 9, a(2) = 24, a(3) = 56\}$ , ogf]  
A291706 8.05182 [  $\{-(-x^4-4x^3+6x^2-12x-9)/(x^5-x^4-10x^3-6x^2-3x+3) \text{ lgdogf}\}$   
A291723 8.98201 [  $\{-x^2(x^2+1)^3/(x^2-x+1)/(x^3+x-1)/(x^4+x^3+2x^2+2x+1) \text{ ogf}\}$   
A291724 6.10829 [  $\{-x^4(x^2+1)^5/(x^3+x-1)/(x^{12}+4x^{10}+x^9+6x^8+3x^7+5x^6+3x^5+3x^4+2x^3+x^2+x+1) \text{ ogf}\}$   
A291725 5.03458 [  $\{(-n-8)a(n+1)+(-n-6)a(n+3)+(n+5)a(n+4), a(0) = 2, a(1) = 3, a(2) = 6, a(3) = 11\}$ , ogf]  
A291725 8.82405 [  $\{-(x-1)(x^2+1)(x^2+x+2)/(x^3+x-1)^2 \text{ ogf}\}$   
A291726 4.88662 [  $\{(-n-11)a(n+1)+(-n-7)a(n+3)+(n+5)a(n+4), a(0) = 3, a(1) = 6, a(2) = 13, a(3) = 27\}$ , ogf]  
A291726 5.71838 [  $\{-(x^2+1)(x^6+2x^4-3x^3+x^2-3x+3)/(x^3+x-1)^3 \text{ ogf}\}$   
A291727 4.00242 [  $\{-(x-1)(x^2+1)(x^2+x+2)(x^6+2x^4-2x^3+x^2-2x+2)/(x^3+x-1)^4 \text{ ogf}\}$   
A291727 4.82219 [  $\{(-n-14)a(n+1)+(-n-8)a(n+3)+(n+5)a(n+4), a(0) = 4, a(1) = 10, a(2) = 24, a(3) = 55\}$ , ogf]  
A291728 8.56943 [  $\{-(x^2+1)(x^3+x+1)/(x^6+2x^4+x^3+x^2+x-1) \text{ ogf}\}$   
A291729 8.43635 [  $\{-(x+1)(x^2+1)(x^2-x+2)/(x^6+2x^4+2x^3+x^2+2x-1) \text{ ogf}\}$   
A291730 7.83205 [  $\{-2(x^2+1)(x^3+x+1)/(2x^6+4x^4+2x^3+2x^2+2x-1) \text{ ogf}\}$   
A291731 8.13343 [  $\{-(x^2+1)(x^3+x+1)/(2x^6+4x^4+2x^3+2x^2+2x-1) \text{ ogf}\}$

A291732 4.38343 [  $\{(-2^n-16)a(n+1)+(-2^n-12)a(n+3)+(n+5)a(n+4), a(0) = 4, a(1) = 12, a(2) = 36, a(3) = 104\}$ , ogf]
  
A291732 7.91845 [  $-4*(x^2+1)*(x^3+x-1)/(2*x^3+2*x-1)^2$  ogf]
  
A291733 4.74107 [  $\{(-2^n-16)a(n+1)+(-2^n-12)a(n+3)+(n+5)a(n+4), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 26\}$ , ogf]
  
A291733 8.41157 [  $-(x^2+1)*(x^3+x-1)/(2*x^3+2*x-1)^2$  ogf]
  
A291734 8.30185 [  $-(x^2+1)*(2*x^3+2*x-3)/(2*x^3+2*x-1)/(x^3+x-1)$  ogf]
  
A291735 7.95372 [  $-(x^2+1)*(x^6+2*x^4+x^2+1)/(x^9+3*x^7+3*x^5+2*x^3+x-1)$  ogf]
  
A291736 6.04441 [  $-x*(x^3+x+1)*(x^2+1)^2/(x^3-x^2+2*x-1)/(x^6+x^5+2*x^4+2*x^3+2*x^2+2*x+1)$  ogf]
  
A291737 5.48128 [  $-(x^2+1)*(x^2-x+1)*(x^4+x^3+2*x^2+2*x+1)/(x^9+3*x^7+x^6+3*x^5+2*x^4+2*x^3+x^2+x-1)$  ogf]
  
A291738 6.12762 [  $-(x^2+1)*(x^2+x+1)*(x^4-x^3+2*x^2-2*x+1)*(x^3+x+1)/(x^12+4*x^10+6*x^8+4*x^6+x^4+x^3+x-1)$  ogf]
  
A291740 6.55145 [  $-(x^2+1)*(x^6+2*x^4-x^3+x^2-x-1)/(x^3+x+1)/(x^3+x-1)^2$  ogf]
  
A291741 5.66287 [  $-(x^2+1)*(x^2+x+1)*(x^4-x^3+2*x^2-2*x+1)/(x^6+2*x^4+x^2+1)/(x^3+x-1)$  ogf]
  
A291772 7.37176 [  $-(10*x^4+68*x^3+21*x^2-4*x+4)/(2*x^5+17*x^4+7*x^3-2*x^2+4*x-1)$  ogf]
  
A291773 12.3781 [  $-(5*x^3-2*x^2+3*x-1)/(3*x-1)/(x-1)$  ogf]
  
A291773 6.62339 [  $\{a(n+4)-4*a(n+3)+3*a(n+2), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 4\}$ , ogf]
  
A291773 7.33074 [  $-(15*x^4-40*x^3+14*x^2+2*x-1)/(-15*x^5+26*x^4-22*x^3+17*x^2-7*x+1)$  lgdogf]
  
A291778 11.0918 [  $\{a(n+3)-4*a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$ , ogf]
  
A291778 17.2037 [  $-(2*x^2+x+1)/(4*x^3-1)$  ogf]
  
A291778 8.69052 [  $-(-8*x^4-8*x^3-12*x^2-4*x-1)/(-8*x^5-4*x^4-4*x^3+2*x^2+x+1)$  lgdogf]
  
A291779 13.3088 [  $-(-32*x^3+12*x^2+2)/(-8*x^4+4*x^3+2*x-1)$  lgdogf]
  
A291779 20.7026 [  $x/(2*x-1)/(4*x^3-1)$  ogf]
  
A291823 13.4131 [  $x/(x^2+x+1)/(x^6+x^3+1)$  revogf]
  
A291832 4.67365 [  $64*(x^6+120*x^5+1191*x^4+2416*x^3+1191*x^2+120*x+1)/(x-1)^8$  ogf]
  
A291856 3.44275 [  $\{(2^n+8)*a(n+1)+(-n^2-5n-8)*a(n+2)+(-8-3n)*a(n+3)+(n+4)*a(n+4), a(0) = -1, a(1) = 1, a(2) = 0, a(3) = 2\}$ , ogf]
  
A291887 7.34978 [  $-(x^4+2*x^2-3*x+1)/(2*x-1)/(x^2-3*x+1)/(2*x^2-1)/(x^2+x-1)$  ogf]
  
A291888 6.15587 [  $(3*x^4-5*x^3+6*x^2-4*x+1)/(3*x-1)/(x-1)/(x^2-3*x+1)/(3*x^2-1)/(x^2+x-1)$  ogf]
  
A291889 4.80466 [  $-(3*x^5-14*x^4+18*x^3-12*x^2+5*x-1)/(3*x-1)/(x-1)/(3*x^2-1)/(x^3-2*x^2-x+1)/(x^3-6*x^2+5*x-1)$  ogf]
  
A291898 3.93023 [  $\{(-27n^2-108n-108)*a(n+1)+(-9n^2-45n-57)*a(n+2)+(-n^2-6n-9)*a(n+3), a(0) = 1, a(1) = -3, a(2) = 9\}$ , ogf]
  
A291910 4.75837 [  $-3*x^2*(7*x^5+165*x^4+660*x^3+680*x^2+165*x+3)/(x-1)^9$  ogf]
  
A291911 3.23664 [  $-36*x^2*(x+1)*(x^6+84*x^5+1055*x^4+2760*x^3+1055*x^2+84*x+1)/(x-1)^11$  ogf]
  
A291915 6.99449 [  $-2*x^3*(x^2-7*x-1)/(x^2+x-1)^4$  ogf]
  
A291915 9.26981 [  $-(6*x^3-47*x^2-27*x-11)/(x^4-6*x^3-9*x^2+6*x+1)$  lgdogf]
  
A291916 8.66981 [  $-(2*x^4+4*x^3-3*x^2-6*x+4)/(x-1)/(x^2+x-1)^2$  ogf]
  
A291919 10.2119 [  $-(-16*x^3-9*x^2-6*x-9)/(-8*x^4+13*x^3-9*x^2+3*x+1)$  lgdogf]
  
A291919 4.27233 [  $\{(-137n^2-2413n-4278)*a(n+1)+(636n^2+5082n+1962)*a(n+2)+(-499n^2-1221n-446)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 9\}$ , ogf]
  
A291919 9.20193 [  $-x*(8*x^3-5*x^2+4*x+1)/(x-1)^5$  ogf]
  
A291938 15.9478 [  $4*x/(2*x+1)/(2*x-1)^2$  ogf]
  
A291938 15.9478 [  $-(-12*x-2)/(-4*x^2+1)$  lgdogf]
  
A291938 6.46534 [  $\{-a(n+3)+2*a(n+2)+4*a(n+1)-8*a(n), a(0) = 0, a(1) = 4, a(2) = 8\}$ , ogf]
  
A291945 14.5868 [  $\{a(n+1)-1111*a(n), a(0) = 1\}$ , ogf]
  
A291945 23.5963 [  $1111/(-1111*x+1)$  lgdogf]
  
A291945 33.4281 [  $-1/(1111*x-1)$  ogf]
  
A291946 12.9127 [  $\{a(n+1)-11111*a(n), a(0) = 1\}$ , ogf]

A291946 28.9244 [  $-1/(11111*x-1)$  ogf]  
A291983 11.2507 [  $1/(x^2-x+1)/(x^2+1)/(x+1)^2$  ogf]  
A291983 18.4867 [  $x^5+x^3-x^2-1$  ogf\_with\_Euler\_transform]  
A291984 17.8534 [  $x^7+x^5-x^2-1$  ogf\_with\_Euler\_transform]  
A291984 7.04896 [  $1/(x^2-x+1)/(x^2+1)/(x^4+1)/(x+1)^2$  ogf]  
A291985 13.3398 [  $x^9+x^7+x^5-x^4-x^2-1$  ogf\_with\_Euler\_transform]  
A291985 5.10537 [  $1/(x^2+1)/(x^4-x^3+x^2-x+1)/(x^2-x+1)/(x^4+1)/(x+1)^3$  ogf]  
A291986 12.6557 [  $-1/(x-1)/(2*x^2-1)/(3*x^3-1)$  ogf]  
A291987 7.84578 [  $1/(x-1)/(2*x^2+1)/(3*x^3-1)/(2*x^2-1)^2$  ogf]  
A291988 5.56625 [  $-1/(x-1)/(2*x^2+1)/(3*x^3-1)/(5*x^5-1)/(2*x^2-1)^2$  ogf]  
A292000 9.32530 [  $-(17*x^3+2*x^2+8*x+5)/(x-1)^5$  ogf]  
A292000 9.54216 [  $-(34*x^3+57*x^2+36*x+33)/(17*x^4-15*x^3+6*x^2-3*x-5)$  lgdogf]  
A292001 4.06973 [  $\{( -28*n^2-2521*n-7311)*a(n+1)+(640*n^2+7494*n+8762)*a(n+2)+(-612*n^2-2637*n-2403)*a(n+3), a(0) = 3, a(1) = 26, a(2) = 93\}$ , ogf]  
A292001 9.09973 [  $-(25*x^3-7*x^2+11*x+3)/(x-1)^5$  ogf]  
A292001 9.30892 [  $-( -50*x^3-54*x^2-30*x-26)/( -25*x^4+32*x^3-18*x^2+8*x+3)$  lgdogf]  
A292018 12.6683 [  $-(2*x^2+28*x+15)/(2*x^3+10*x^2-11*x-1)$  lgdogf]  
A292018 13.8943 [  $-(2*x^2+12*x+1)/(x-1)^3$  ogf]  
A292018 7.55653 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 1, a(1) = 15, a(2) = 44\}$ , ogf]  
A292022 12.3577 [  $12*(x^2+1)/(x-1)^4$  ogf]  
A292022 12.9370 [  $-( -2*x^2-2*x-4)/( -x^3+x^2-x+1)$  lgdogf]  
A292022 28.3481 [  $[-x^3+x+4]$  ogf\_with\_Euler\_transform]  
A292022 4.26786 [  $\{(n+4)*a(n+4)+(-7-n)*a(n+3)+n*a(n+2)+(-n-3)*a(n+1), a(0) = 12, a(1) = 48, a(2) = 132, a(3) = 288\}$ , ogf]  
A292026 7.14331 [  $-6*(464*x^3-244*x^2+35*x-1)/(4*x-1)/(2*x-1)/(8*x-1)/(32*x-1)$  ogf]  
A292027 10.5838 [  $-(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2-x+1)/(x^9+x^8-x^6+x^4+x^3-x-1)$  ogf]  
A292029 6.57188 [  $1/2*I/x/(4*x-1)^{(1/2)}/(4*x+1)^{(1/2)}-1/2*(96*x^2+12*x-1)/(4*x-1)/(4*x+1)/x$  lgdogf]  
A292034 12.4794 [  $-(x-1)*(x+1)/(x^4-6*x^3+6*x^2-6*x+1)$  ogf]  
A292034 7.65243 [  $-(2*x^5-6*x^4-4*x^3+24*x^2-14*x+6)/(x^6-6*x^5+5*x^4-5*x^2+6*x-1)$  lgdogf]  
A292035 12.4677 [  $-(x-1)*(x+1)/(x^4-7*x^3+7*x^2-7*x+1)$  ogf]  
A292035 7.64531 [  $-(2*x^5-7*x^4-4*x^3+28*x^2-16*x+7)/(x^6-7*x^5+6*x^4-6*x^2+7*x-1)$  lgdogf]  
A292037 12.6557 [  $-( -2*x^4-4*x^2+x-2)/(x^8-2*x^4+1)$  ogf\_with\_Euler\_transform]  
A292038 9.89659 [  $-( -2*x^6+x^5-6*x^4-6*x^2+x-2)/(x^8-2*x^4+1)$  ogf\_with\_Euler\_transform]  
A292044 15.7040 [  $-x*(2*x-1)/(4*x-1)^2$  ogf]  
A292044 16.3584 [  $-( -8*x+6)/( -8*x^2+6*x-1)$  lgdogf]  
A292044 7.69806 [  $\{a(n+3)-8*a(n+2)+16*a(n+1), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A292045 5.61513 [  $12*x*(4*x^4+49*x^3+104*x^2+49*x+4)/(x-1)^8$  ogf]  
A292045 7.01892 [  $-( -16*x^4-261*x^3-771*x^2-551*x-81)/( -4*x^5-45*x^4-55*x^3+55*x^2+45*x+4)$  lgdogf]  
A292051 6.81253 [  $-x*(2*x^5+3*x^4+18*x^3+12*x^2+12*x+1)/(x+1)^3/(x-1)^5$  ogf]  
A292053 11.7370 [  $-( -12*x^2-46*x-26)/( -3*x^3-5*x^2+5*x+3)$  lgdogf]  
A292053 3.91233 [  $\{(9+3*n)*a(n+4)+(-16+5*n)*a(n+3)+(-51-5*n)*a(n+2)+(-12-3*n)*a(n+1), a(0) = 0, a(1) = 6, a(2) = 52, a(3) = 228\}$ , ogf]  
A292053 8.45568 [  $2*x*(3*x^2+8*x+3)/(x-1)^6$  ogf]  
A292055 8.36169 [  $x*(10*x^3-25*x^2+5*x+1)/(x-1)/(3*x-1)/(2*x-1)/(4*x-1)$  ogf]  
A292056 3.03489 [  $\{(4608*n+768)*a(n+1)+(-1824*n+848)*a(n+2)+(192*n-136)*a(n+3)+(-6*n+5)*a(n+4), a(0) = 12, a(1) = 200, a(2) = 2944, a(3) = 43392\}$ , ogf]  
A292056 8.04428 [  $4*(232*x^2-58*x+3)/(16*x-1)/(12*x-1)/(4*x-1)^2$  ogf]  
A292057 10.1766 [  $-2*x*(x+3)*(2*x+1)/(x-1)^5$  ogf]  
A292057 12.9520 [  $-( -6*x^2-32*x-22)/( -2*x^3-5*x^2+4*x+3)$  lgdogf]  
A292057 4.27417 [  $\{(9+3*n)*a(n+4)+(-14+4*n)*a(n+3)+(-37-5*n)*a(n+2)+(-6-2*n)*a(n+1), a(0) = 0, a(1) = 6, a(2) = 44, a(3) = 164\}$ , ogf]  
A292058 12.7596 [  $-( -3*x^2+6*x+27)/( -x^3+3*x^2+3*x-5)$  lgdogf]  
A292058 4.12622 [  $\{( -15-5*n)*a(n+4)+(33+3*n)*a(n+3)+(3*n+9)*a(n+2)+(-3-n)*a(n+1),$

$a(0) = 0, a(1) = 10, a(2) = 54, a(3) = 168$ , ogf]
   
 A292058 9.87346 [  $2*x*(x^2-2*x-5)/(x-1)^5$  ogf]
   
 A292059 7.77656 [  $-(7*x^4+10*x^3+24*x^2+6*x+1)/(x+1)^3/(x-1)^5$  ogf]
   
 A292061 12.6053 [  $-(-5*x^2-20*x-10)/(-x^3-2*x^2+2*x+1)$  lgdogf]
   
 A292061 6.07264 [  $\{(n^2+5*n+6)*a(n+1)+(-n^2+n)*a(n+2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$ , ogf]
   
 A292061 7.84860 [  $-6*x^3*(x^2+3*x+1)/(x-1)^7$  ogf]
   
 A292074 4.66939 [  $(6*x^9-42*x^8+127*x^7-217*x^6+221*x^5-223*x^4+47*x^3-41*x^2+3*x-1)/(x-1)^7$  ogf]
   
 A292119 5.60918 [  $\{(-8*n^3-96*n^2-352*n-384)*a(n+1)+(6*n^2+46*n+78)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 10, a(2) = 130\}$ , ogf]
   
 A292185 6.53819 [  $-(52*x^5-301*x^4+714*x^3-886*x^2+574*x-177)/(x-1)^6$  ogf]
   
 A292209 4.68013 [  $\{a(n+3)-29*a(n+2)+188*a(n+1)-160*a(n), a(0) = 45, a(1) = 1073, a(2) = 22977\}$ , ogf]
   
 A292209 8.23966 [  $-(320*x^2-232*x+45)/(x-1)/(20*x-1)/(8*x-1)$  ogf]
   
 A292220 3.87426 [  $\{(-16*n^3-24*n^2-8*n)*a(n)+(-4*n^3-26*n^2-48*n-24)*a(n+1)+(-n^2-5*n-6)*a(n+2), a(0) = 1, a(1) = 1\}$ , ogf]
   
 A292220 9.74263 [  $(-1/2/(4*x+1)^{(1/2)}+1/2)/x/(4*x+1)^{(1/2)}$  lgdegf]
   
 A292221 4.84194 [  $\{(-16*n^3-40*n^2-24*n)*a(n)+(-4*n^3-30*n^2-64*n-40)*a(n+1)+(-n^2-5*n-6)*a(n+2), a(0) = 3, a(1) = -3\}$ , ogf]
   
 A292221 7.43583 [  $(-1/2*(32*x^2+24*x+3)/(1+4*x)^{(3/2)}+3/2)/(16*x^2+12*x+3)*(1+4*x)^{(1/2)}/x$  lgdegf]
   
 A292275 6.75461 [  $-25*(32*x^9+24*x^8+20*x^7+16*x^6+12*x^5+10*x^4+8*x^3+6*x^2+5*x+4)/(10*x^{10}-1)$  ogf]
   
 A292277 10.8824 [  $-(-24*x^2+16*x+4)/(-8*x^3+8*x^2+4*x-1)$  lgdogf]
   
 A292277 15.9609 [  $2*x/(2*x+1)/(4*x^2-6*x+1)$  ogf]
   
 A292277 6.47062 [  $\{-a(n+3)+4*a(n+2)+8*a(n+1)-8*a(n), a(0) = 0, a(1) = 2, a(2) = 8\}$ , ogf]
   
 A292278 11.8201 [  $-(x^2+2*x-1)/(x-1)/(x^2+4*x-1)$  ogf]
   
 A292278 6.38079 [  $\{-a(n+3)+5*a(n+2)-3*a(n+1)-a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$ , ogf]
   
 A292278 8.10145 [  $-(-x^4-4*x^3-8*x^2+8*x-3)/(-x^5-5*x^4+12*x^2-7*x+1)$  lgdogf]
   
 A292281 6.17606 [  $(x+1)*(x^4+11*x^3+24*x^2+11*x+1)/(x-1)^8$  ogf]
   
 A292281 7.13441 [  $-(-3*x^5-53*x^4-223*x^3-315*x^2-154*x-20)/(-x^6-11*x^5-23*x^4+23*x^2+11*x+1)$  lgdogf]
   
 A292282 4.41491 [  $\{(-6*n^2-42*n-72)*a(n+1)+(7*n^2+16*n+33)*a(n+2)+(-n^2-4*n-4)*a(n+3), a(0) = 0, a(1) = 24, a(2) = 576\}$ , ogf]
   
 A292282 6.85072 [  $-24*x*(9*x^3+33*x^2+17*x+1)/(x-1)^7$  ogf]
   
 A292282 8.92902 [  $-(36*x^3+192*x^2+168*x+24)/(9*x^4+24*x^3-16*x^2-16*x-1)$  lgdogf]
   
 A292290 12.4975 [  $3*x^2*(2*x-1)/(x-1)/(x^2-3*x+1)$  ogf]
   
 A292290 5.86420 [  $\{a(n+4)-4*a(n+3)+4*a(n+2)-a(n+1), a(0) = 0, a(1) = 0, a(2) = 3, a(3) = 6\}$ , ogf]
   
 A292290 9.29690 [  $-(4*x^3-11*x^2+8*x-2)/(2*x^4-9*x^3+12*x^2-6*x+1)$  lgdogf]
   
 A292291 12.1799 [  $-(3*x^2-8*x+4)/(x^3-4*x^2+4*x-1)$  lgdogf]
   
 A292291 17.3226 [  $-3*x^3/(x-1)/(x^2-3*x+1)$  ogf]
   
 A292291 6.04276 [  $\{-a(n+4)+4*a(n+3)-4*a(n+2)+a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 3\}$ , ogf]
   
 A292292 7.76108 [  $-x^3*(10*x^2-9*x+1)/(x-1)/(x^2-8*x+1)/(x^2-3*x+1)$  ogf]
   
 A292293 9.26410 [  $3*x^4*(4*x-1)/(x-1)/(x^2-8*x+1)/(x^2-3*x+1)$  ogf]
   
 A292294 8.74944 [  $-3*x^4*(x+1)/(x-1)/(x^2-8*x+1)/(x^2-3*x+1)$  ogf]
   
 A292295 12.5226 [  $6*x^2*(2*x-1)/(x-1)/(2*x^2-4*x+1)$  ogf]
   
 A292295 5.92674 [  $\{a(n+4)-5*a(n+3)+6*a(n+2)-2*a(n+1), a(0) = 0, a(1) = 0, a(2) = 6, a(3) = 18\}$ , ogf]
   
 A292295 9.24289 [  $-(8*x^3-18*x^2+12*x-3)/(4*x^4-14*x^3+16*x^2-7*x+1)$  lgdogf]
   
 A292296 11.7396 [  $-(6*x^2-12*x+5)/(2*x^3-6*x^2+5*x-1)$  lgdogf]
   
 A292296 16.9572 [  $-6*x^3/(x-1)/(2*x^2-4*x+1)$  ogf]
   
 A292296 5.91530 [  $\{-a(n+4)+5*a(n+3)-6*a(n+2)+2*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$ , ogf]
   
 A292297 6.49102 [  $-6*x^3*(20*x^3-26*x^2+12*x-1)/(x-1)/(2*x^2-4*x+1)/(6*x^3-28*x^2+13*x-1)$  ogf]
   
 A292298 6.95132 [  $12*x^4*(12*x^2-9*x+2)/(x-1)/(2*x^2-4*x+1)/$

$(6x^3-28x^2+13x-1)$  ogf]  
A292299 7.08500 [  $-6x^4(6x^2+2x-3)/(x-1)/(2x^2-4x+1)/(6x^3-28x^2+13x-1)$  ogf]  
A292301 13.5348 [ $x^9-x^4-x-1$  ogf\_with\_Euler\_transform]  
A292301 6.50042 [  $-(x-1)^2/(x^4-x^3+x^2-x+1)$  ogf]  
A292320 8.22694 [  $-(x^6-2x^3+x^2+1)/(x^9+x^7-3x^6-2x^4+4x^3+x-1)$  ogf]  
A292321 9.18045 [  $x(x^3-x-1)/(x^9-3x^6-x^5+4x^3+x^2-1)$  ogf]  
A292322 6.12589 [  $-(x^6-x^4-2x^3+x^2+x+1)/(x^9+x^7-3x^6-x^5-2x^4+4x^3+x^2+x-1)$  ogf]  
A292323 6.48655 [  $-(x^6+x^4-2x^3+x^2-x+1)/(x^3+x-1)/(x^6-2x^3+x^2+1)$  ogf]  
A292324 8.62506 [  $-(x-1)(x+1)(x^2-x+1)(x^3+x^2+x+2)/(x^4+x-1)^2$  ogf]  
A292325 8.60274 [  $-(x-1)(x^4+x^3+x^2+x+2)(x^4+1)/(x^2-x+1)^2/(x^3+x^2-1)^2$  ogf]  
A292326 3.89991 [  $\{(-n-11)a(n+1)+(-n-9)a(n+2)+(-n-7)a(n+3)+(n+5)a(n+4), a(0) = 3, a(1) = 9, a(2) = 25, a(3) = 63\}$ , ogf]  
A292326 6.01614 [  $-(x^2+x+1)(x^6+2x^5+3x^4-x^3-2x^2-3x+3)/(x^3+x^2+x-1)^3$  ogf]  
A292327 10.8827 [  $-(x+2)(2x-1)/(x^2+2x-1)^2$  ogf]  
A292327 9.38635 [  $-(-4x^3-9x^2-2x+5)/(-2x^4-7x^3-2x^2+7x-2)$  lgdogf]  
A292328 7.45621 [  $-(3x^4+9x^3+x^2-9x+3)/(x^2+2x-1)^3$  ogf]  
A292329 14.5823 [  $-x^2/(x^2+2x-1)/(x^4+x^3-x^2-x+1)$  ogf]  
A292329 8.98674 [  $-(-6x^5-15x^4+12x^2-3)/(-x^6-3x^5+4x^3-3x+1)$  lgdogf]  
A292343 3.78406 [  $\{(318n^2+2671n+5151)a(n+1)+(-900n^2-7006n-13446)a(n+2)+(582n^2+3279n+4599)a(n+3), a(0) = 108, a(1) = 888, a(2) = 3268\}$ , ogf]  
A292343 8.38189 [  $-4(5x^3-23x^2+87x+27)/(x-1)^5$  ogf]  
A292343 8.56611 [  $-(-10x^3+54x^2-302x-222)/(-5x^4+28x^3-110x^2+60x+27)$  lgdogf]  
A292344 12.2229 [  $-(-3x^2-2x+53)/(-3x^3+5x^2+15x-17)$  lgdogf]  
A292344 12.9989 [  $4(3x^2-2x-17)/(x-1)^3$  ogf]  
A292344 6.99941 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 68, a(1) = 212, a(2) = 420\}$ , ogf]  
A292345 12.9395 [  $-(-x^2+2x+11)/(-x^3+3x^2+x-3)$  lgdogf]  
A292345 13.1416 [  $32(x+1)(x-3)/(x-1)^3$  ogf]  
A292345 7.18859 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 96, a(1) = 352, a(2) = 736\}$ , ogf]  
A292346 10.8501 [  $-(-21x^2+26x+187)/(-21x^3+55x^2+17x-51)$  lgdogf]  
A292346 11.8365 [  $4(21x^2-34x-51)/(x-1)^3$  ogf]  
A292346 6.56476 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 204, a(1) = 748, a(2) = 1548\}$ , ogf]  
A292347 10.2595 [  $8x/(1-4x)^{1/2}/(1+(1-4x)^{1/2})^2$  lgdegf]  
A292350 3.91475 [  $\{(-359n^2-2670n-4936)a(n+1)+(-362n^2-6972n-19486)a(n+2)+(721n^2+3162n+3440)a(n+3), a(0) = 0, a(1) = 9, a(2) = 116\}$ , ogf]  
A292350 6.99062 [  $-x(11x^3+47x^2+53x+9)/(x-1)^7$  ogf]  
A292350 8.69944 [  $-(44x^3+268x^2+412x+116)/(11x^4+36x^3+6x^2-44x-9)$  lgdogf]  
A292360 5.45269 [  $-x(4x^6-14x^5+18x^4-18x^3+33x^2-14x-1)/(x-1)^2/(x+1)^2/(x^2-3x+1)^2$  ogf]  
A292386 22.9840 [  $1/(x^3-3x^2+3x-1)$  ogf\_with\_Euler\_transform]  
A292387 19.7397 [  $1/(-x^4+4x^3-6x^2+4x-1)$  ogf\_with\_Euler\_transform]  
A292397 5.28270 [  $-(x^2+x+1)(x^4+x^3-2x+1)/(x^9+3x^8+7x^7+6x^6+2x^5-7x^4-3x^3-x^2+4x-1)$  ogf]  
A292398 7.21169 [  $-(x^4+x^3-x^2-x+1)/(x^6+4x^5+x^4-6x^3-x^2+4x-1)$  ogf]  
A292399 11.3005 [  $-(x+1)(3x^2+3x-2)/(2x^2+2x-1)^2$  ogf]  
A292399 7.79735 [  $-(6x^4+18x^3+15x^2-2x-7)/(6x^5+18x^4+11x^3-8x^2-5x+2)$  lgdogf]  
A292400 10.0582 [  $-(x+1)(x^2+3x-2)/(x^2+2x-1)^2$  ogf]  
A292400 8.06749 [  $-(x^4+6x^3+6x^2+2x-7)/(x^5+6x^4+8x^3-4x^2-5x+2)$  lgdogf]  
A292401 8.23372 [  $-(x^2+1)(x^3+2x^2+x-2)/(x^3+x^2+x-1)^2$  ogf]  
A292402 11.4947 [  $-x^*(x+1)^2(x^2-x+1)^2/(x^4+x+1)/(x^4+x-1)$  ogf]  
A292403 11.5754 [  $-x*(x+1)^2(x^4-x^3+x^2-x+1)^2/(x^6+x-1)/(x^6+x+1)$  ogf]  
A292404 7.21755 [  $-x^3*(x+1)^4(x^2-x+1)^4/(x^4+x+1)/(x^8+2x^5+x^2+1)/(x^4+x-1)$

ogf]  
 A292412 12.7124 [  $(x^3-x^2+x+1)/(x^2+x-1)/(x^2-x-1)$  ogf]  
 A292423 12.5876 [  $-(-2*x-82)/(-x^2-82*x+1)$  lgdogf]  
 A292423 16.5626 [  $-x/(x^2+82*x-1)$  ogf]  
 A292423 7.67534 [  $\{-a(n+2)+82*a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
 A292440 4.52695 [  $\{(3*n-3)*a(n)+(2*n+1)*a(n+1)+(-n-2)*a(n+2), a(0) = 1, a(1) = -1, a(2) = -1\}$ , ogf]  
 A292440 9.73980 [  $1/x-I/(x+1)^{(1/2)}/x/(3*x-1)^{(1/2)}$  lgdogf]  
 A292443 5.21159 [  $\{a(n+3)-323*a(n+2)+323*a(n+1)-a(n), a(0) = 0, a(1) = 10, a(2) = 3240\}$ , ogf]  
 A292443 7.56316 [  $-(-2*x^3+320*x^2+646*x-324)/(-x^4+322*x^3-322*x+1)$  lgdogf]  
 A292443 9.84411 [  $-10*x*(x+1)/(x-1)/(x^2-322*x+1)$  ogf]  
 A292465 10.5569 [  $-x*(2*x^3-2*x^2-1)/(x+1)^2/(x^2-3*x+1)^2$  ogf]  
 A292465 7.81214 [  $-(-6*x^5+12*x^4-12*x^3+12*x^2-12*x-4)/(-2*x^6+6*x^5-5*x^3-2*x+1)$  lgdogf]  
 A292478 7.60587 [  $(x^4-2*x^3+4*x^2-2*x+1)/(x^6-4*x^5+8*x^4-11*x^3+8*x^2-4*x+1)$  ogf]  
 A292479 8.27542 [  $(x+1)^2*x/(x^3-4*x^2+2*x-1)/(x^3-2*x^2+4*x-1)$  ogf]  
 A292480 11.2782 [  $-(x+1)^2*x/(3*x-1)/(2*x^2-x+1)$  ogf]  
 A292480 5.55367 [  $\{a(n+4)-4*a(n+3)+5*a(n+2)-6*a(n+1), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 20\}$ , ogf]  
 A292480 8.94005 [  $-(6*x^3+18*x^2-14*x+6)/(6*x^4+x^3-x^2+3*x-1)$  lgdogf]  
 A292481 8.03242 [  $-x^2*(x+1)^3/(3*x-1)/(3*x^4-3*x^3+6*x^2-3*x+1)$  ogf]  
 A292482 11.9108 [  $(x+1)*(x^2-5*x+2)/(3*x-1)^2$  ogf]  
 A292482 6.20988 [  $\{a(n+4)-6*a(n+3)+9*a(n+2), a(0) = 2, a(1) = 9, a(2) = 32, a(3) = 112\}$ , ogf]  
 A292482 8.86044 [  $-(-3*x^3-3*x^2+17*x-9)/(-3*x^4+13*x^3+5*x^2-9*x+2)$  lgdogf]  
 A292483 8.63946 [  $-(x+1)*(x^4-7*x^3+22*x^2-15*x+3)/(3*x-1)^3$  ogf]  
 A292484 11.4018 [  $(x+1)*(3*x-1)/(x^4-7*x^3+4*x^2-3*x+1)$  ogf]  
 A292485 9.74025 [  $-(x+1)*(3*x^2+1)/(2*x^2-x+1)/(x^2+4*x-1)$  ogf]  
 A292486 9.36905 [  $-(x+1)*(4*x^2+x+1)/(3*x^4+9*x^3-4*x^2+5*x-1)$  ogf]  
 A292487 9.61564 [  $-(x+1)*(5*x^2+2*x+1)/(4*x^4+11*x^3-3*x^2+5*x-1)$  ogf]  
 A292488 8.96428 [  $-(x+1)*(6*x^2+3*x+1)/(5*x^4+13*x^3-2*x^2+5*x-1)$  ogf]  
 A292489 9.08895 [  $-(x+1)*(7*x^2+4*x+1)/(2*x^2+5*x-1)/(3*x^2+1)$  ogf]  
 A292490 10.4222 [  $-(x+1)*(8*x^2+5*x+1)/(7*x^4+17*x^3+5*x-1)$  ogf]  
 A292491 11.2731 [  $-(x+1)*(x^2+4*x-1)/(3*x-1)/(3*x^2+1)$  ogf]  
 A292491 5.89277 [  $\{a(n+4)-3*a(n+3)+3*a(n+2)-9*a(n+1), a(0) = -1, a(1) = 0, a(2) = 8, a(3) = 16\}$ , ogf]  
 A292491 7.33817 [  $-(-48*x^4-48*x^3+48*x^2-16*x)/(-9*x^6-42*x^5-15*x^4+4*x^3-7*x^2+6*x-1)$  lgdogf]  
 A292492 8.29419 [  $-(x+1)*(x^4-x^3+8*x^2-5*x+1)/(3*x-1)/(2*x^4-2*x^3+7*x^2-4*x+1)$  ogf]  
 A292493 9.50723 [  $-(x+1)*(2*x^2+5*x-1)/(x^4+11*x^3-2*x^2+3*x-1)$  ogf]  
 A292494 6.99488 [  $-(x+1)*(3*x^4-3*x^3+6*x^2-3*x+1)/(2*x^6+6*x^5-12*x^4+23*x^3-17*x^2+7*x-1)$  ogf]  
 A292510 10.0180 [  $-(-2*x^3-4*x^2+2*x-7)/(-x^4+2*x^3-4*x^2-x+4)$  lgdogf]  
 A292510 15.1216 [  $-(x^3-x^2+3*x+4)/(x-1)$  ogf]  
 A292510 8.34838 [  $\{a(n+4)-a(n+3), a(0) = 4, a(1) = 7, a(2) = 6, a(3) = 7\}$ , ogf]  
 A292521 11.1736 [  $-(-3*x^3-x^2+2)/(x^2-x+1)/(x^2-x-1)$  ogf]  
 A292532 5.60045 [  $-x^2*(x+1)^3/(x^3-2*x^2+4*x-1)/(x^6-7*x^5+18*x^4-18*x^3+14*x^2-5*x+1)$  ogf]  
 A292533 7.05678 [  $-(x+1)*(2*x^3-5*x^2+7*x-2)/(x^3-2*x^2+4*x-1)^2$  ogf]  
 A292534 7.18789 [  $(x+1)*(x^3-2*x^2+4*x-1)/(x^6-7*x^5+16*x^4-22*x^3+12*x^2-5*x+1)$  ogf]  
 A292535 7.40486 [  $-(x+1)*(x^3-5*x^2+x-1)/(x^3-x^2+5*x-1)/(x^3-4*x^2+2*x-1)$  ogf]  
 A292536 6.75337 [  $-(x+1)*(x^3-6*x^2-1)/(x^6-5*x^5+10*x^4-26*x^3+14*x^2-7*x+1)$  ogf]  
 A292537 13.3478 [  $-(4*x^2+21*x-16)/(4*x-1)/(x-1)$  ogf]  
 A292537 6.92575 [  $\{a(n+3)-5*a(n+2)+4*a(n+1), a(0) = 16, a(1) = 59, a(2) = 227\}$ , ogf]  
 A292537 8.73964 [  $-(-104*x^2-136*x+59)/(16*x^4+64*x^3-165*x^2+101*x-16)$  lgdogf]



A292540 10.4944 [ $\{a(n+2)-4*a(n+1), a(0) = 4, a(1) = 20\}$ , ogf]  
A292540 20.7052 [ $-4*(x+1)/(4*x-1)$  ogf]  
A292540 21.2804 [ $-5/(4*x^2+3*x-1)$  lgdogf]  
A292542 19.1519 [ $-3*(1+9*x)/(4*x-1)$  ogf]  
A292542 19.1519 [ $13/(-36*x^2+5*x+1)$  lgdogf]  
A292542 9.96949 [ $\{a(n+2)-4*a(n+1), a(0) = 3, a(1) = 39\}$ , ogf]  
A292543 10.4611 [ $\{-a(n+2)+4*a(n+1), a(0) = 0, a(1) = 96\}$ , ogf]  
A292543 25.1066 [ $-96*x/(4*x-1)$  ogf]  
A292543 26.8999 [ $4/(-4*x+1)$  lgdogf]  
A292545 17.9597 [ $-2*x*(2*x+109)/(4*x-1)$  ogf]  
A292545 18.3873 [ $-438/(8*x^2+434*x-109)$  lgdogf]  
A292545 8.87662 [ $\{-a(n+3)+4*a(n+2), a(0) = 0, a(1) = 218, a(2) = 876\}$ , ogf]  
A292548 8.38617 [ $1/2*I/x/(2*x+1)^(1/2)/(2*x-1)^(1/2)-1/2*(4*x-1)/(2*x-1)/x$   
ogf\_with\_Euler\_transform]  
A292549 7.31143 [ $1/2*I/(-1+2*x)^(1/2)/x^2/(2*x+1)^(1/2)-1/2*(4*x^2+2*x-1)/$   
 $(-1+2*x)/x^2$  ogf\_with\_Euler\_transform]  
A292551 7.93325 [ $-x*(x^4-7*x^3-x^2+2*x-1)/(x+1)^3/(x-1)^4$  ogf]  
A292551 8.45714 [ $-(-3*x^5+27*x^4+8*x^3+10*x^2+7*x-1)/(-$   
 $x^6+7*x^5+2*x^4-9*x^3+2*x-1)$  lgdogf]  
A292552 13.8809 [ $-2*(40*x-49)/(10*x-1)/(x-1)$  ogf]  
A292552 7.81800 [ $\{-a(n+2)+11*a(n+1)-10*a(n), a(0) = 98, a(1) = 998\}$ , ogf]  
A292552 8.83332 [ $-(-400*x^2+980*x-499)/(-400*x^3+930*x^2-579*x+49)$  lgdogf]  
A292563 11.0733 [ $(x^2-x+1)*(x^6-x^3+1)*(x^18-x^9+1)*(x+1)^2/(x^2+x+1)/$   
 $(x^6+x^3+1)/(x^18+x^9+1)/(x-1)^2$  ogf]  
A292563 13.4725 [ $-(-54*x^28+54*x^26+2)/(x^2-1)$  lgdogf]  
A292576 10.9883 [ $(2*x^3+x^2-2*x+3)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A292612 13.3040 [ $(3*x^2-11*x+4)/(x+1)/(x^2-3*x+1)$  ogf]  
A292612 7.36470 [ $\{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = 4, a(1) = -3, a(2) = 5\}$ ,  
ogf]  
A292612 8.00821 [ $-(-3*x^4+22*x^3-40*x^2+22*x-3)/$   
 $(-3*x^5+17*x^4-20*x^3-17*x^2+19*x-4)$  lgdogf]  
A292616 13.3367 [ $-(3*x^3+6*x^2-3*x-4)/(x^2+x-1)/(x^2-x-1)$  ogf]  
A292653 7.48147 [ $(3*x^8+3*x^7+2*x^6+3*x^5+2*x^4+3*x^3+2*x^2+3*x+2)/(x^6+x^3+1)/$   
 $(x^2+x+1)/(x-1)^2$  ogf]  
A292664 5.66477 [ $(x^12+2*x^11+3*x^10+2*x^9+3*x^8+2*x^7+3*x^6+3*x^5+2*x^4+3*x^3+2*x^2+3*x+2)/(x$   
 $+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A292665 5.59577 [ $(2*x^12+x^11+2*x^10+x^9+2*x^8+x^7+2*x^6+x^5+2*x^4+x^3+2*x^2+x$   
 $+1)/(x^12+x^11+x^10+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A292666 8.77578 [ $(x^6+3*x^5+3*x^4+3*x^3+3*x^2+3*x+3)/(x+1)/(x^2+x+1)/(x^2-x+1)/$   
 $(x-1)^2$  ogf]  
A292668 8.10145 [ $4*(-4*x+3*(1-4*x)^(1/2)+1)/(1-4*x)^(1/2)/(1+(1-4*x)^(1/2))^3$   
ogf\_with\_Euler\_transform]  
A292696 13.7923 [ $-(6*x^2-8*x+1)/(x+1)/(x^2-3*x+1)$  ogf]  
A292696 7.51186 [ $\{a(n+3)-2*a(n+2)-2*a(n+1)+a(n), a(0) = -1, a(1) = 6, a(2) = 4\}$ ,  
ogf]  
A292696 8.24831 [ $- (6*x^4-16*x^3+31*x^2-16*x+6)/(6*x^5-20*x^4+5*x^3+20*x^2-10*x$   
 $+1)$  lgdogf]  
A292730 4.51640 [ $x*(1099900*x^20-12197679*x^19-90000*x^11+11200000*x^10-10000*x$   
 $+1232100)/(x^20+1110*x^19+1111*x^10-100*x+12321)/(x-1)^2$  ogf]  
A292740 13.0813 [ $-(2*x^26-2*x^25+x-2)/(x-1)^2$  ogf]  
A292751 16.7012 [ $-x^4+x^3-x^2+x$  revegf]  
A292752 11.1020 [ $(15*x^3-47*x^2+14*x-1)/(x-1)/(9*x-1)/(5*x-1)$  ogf]  
A292752 6.12242 [ $\{-a(n+4)+15*a(n+3)-59*a(n+2)+45*a(n+1), a(0) = 1, a(1) = 1,$   
 $a(2) = 3, a(3) = 16\}$ , ogf]  
A292752 6.60833 [ $- (1230*x^4-810*x^3+211*x^2-24*x+1)/$   
 $(-675*x^6+3000*x^5-3628*x^4+1591*x^3-316*x^2+29*x-1)$  lgdogf]  
A292833 12.9309 [ $- (697*x^2+694*x+1)/(x-1)/(x+1)^2$  ogf]  
A292833 7.37290 [ $\{a(n+3)+a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = 693, a(2) = 5\}$ ,  
ogf]  
A292833 8.75532 [ $- (-697*x^3-691*x^2-703*x-693)/(-697*x^4-694*x^3+696*x^2+694*x$

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+1) lgdogf]
A292837 23.8723 [10/(-10*x+1) ogf_with_Euler_transform]
A292838 13.7033 [-(4*x-4)/(16*x^3-4*x^2-4*x+1) ogf_with_Euler_transform]
A292839 13.8524 [-(5*x-5)/(25*x^3-5*x^2-5*x+1) ogf_with_Euler_transform]
A292840 13.5876 [-(6*x-6)/(36*x^3-6*x^2-6*x+1) ogf_with_Euler_transform]
A292841 13.0370 [-(7*x-7)/(49*x^3-7*x^2-7*x+1) ogf_with_Euler_transform]
A292842 12.5957 [-(8*x-8)/(64*x^3-8*x^2-8*x+1) ogf_with_Euler_transform]
A292843 12.8683 [-(9*x-9)/(81*x^3-9*x^2-9*x+1) ogf_with_Euler_transform]
A292844 12.2269 [-(10*x-10)/(100*x^3-10*x^2-10*x+1) ogf_with_Euler_transform]
A292878 10.2995 [-(4*x^4-4*x^3+3*x^2-2*x-5)/(-4*x^5-9*x^3-x^2-3*x+1) lgdogf]
A292878 14.8583 [-(2*x^2+x+1)/(2*x^3-x^2+4*x-1) ogf]
A292878 8.02087 [{-a(n+3)+4*a(n+2)-a(n+1)+2*a(n), a(0) = 1, a(1) = 5, a(2) = 21}, ogf]
A292880 7.24185 [-(6*x^5+52*x^4-43*x^3-498*x^2-313*x-32)/(6*x^5-28*x^4-43*x^3+42*x^2+22*x+1) lgdegf]
A292893 7.40341 [(1/(x+1)*exp(-x)-1)*(exp(x)*x+exp(x)) lgdegf]
A292897 10.9888 [-(x^3+x^2+6*x+7)/(x^3+2*x-3) lgdegf]
A292935 23.2679 [-exp(-x) lgdegf]
A292952 15.5823 [-exp(x)*x-exp(x) lgdegf]
A292988 5.00034 [- (121*x^59+121*x^58+118*x^57+16*x^56-64*x^55+363*x^3+363*x^2+363*x+242)/(x^59+33*x^58+33*x^57-88*x^56+32*x^55-121*x^5+121*x^4+121*x-121) ogf]
A292998 3.68485 [{(-n^2-7*n-12)*a(n+1)+(n^2+11*n+28)*a(n+2)+(-n-3)*a(n+3), a(0) = 1, a(1) = 10, a(2) = 87}, ogf]
A292998 8.51500 [-(x^3-8*x^2+17*x+10)/(-x^3+5*x^2-3*x-1) lgdegf]
A293003 16.7369 [x/(x^4+x^3-x-1) ogf_with_Euler_transform]
A293004 11.6434 [-(3*x^2-2*x+3)/(-x^3-x^2+3*x-1) lgdogf]
A293004 16.5595 [2*x^2/(x-1)/(x^2+2*x-1) ogf]
A293004 6.77433 [{-a(n+3)+3*a(n+2)-a(n+1)-a(n), a(0) = 0, a(1) = 0, a(2) = 2}, ogf]
A293005 10.3826 [-(4*x^3-6*x^2+4)/(-2*x^4-2*x^3+3*x^2+2*x-1) lgdogf]
A293005 16.1036 [x*(x+1)/(x-1)/(2*x^2+2*x-1) ogf]
A293005 8.48471 [{-a(n+3)+3*a(n+2)-2*a(n), a(0) = 0, a(1) = 1, a(2) = 4}, ogf]
A293006 10.1588 [-(4*x^3-6*x^2+4)/(-2*x^4-2*x^3+3*x^2+2*x-1) lgdogf]
A293006 14.5674 [2*x^2*(x+1)/(x-1)/(2*x^2+2*x-1) ogf]
A293006 6.89350 [{a(n+4)-3*a(n+3)+2*a(n+1), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 8}, ogf]
A293007 15.3762 [-(4*x-2)/(-2*x^2-2*x+1) lgdogf]
A293007 19.9476 [-2*x^2/(2*x^2+2*x-1) ogf]
A293007 7.38060 [{-a(n+3)+2*a(n+2)+2*a(n+1), a(0) = 0, a(1) = 0, a(2) = 2}, ogf]
A293014 11.2481 [-x^4/(x+1)/(x^2-x+1)/(x^2+x-1) ogf]
A293025 10.9987 [-1/2*x^2-1/6*x^3-1/24*x^4-x-1+exp(x) lgdegf]
A293037 24.9542 [1-exp(x) lgdegf]
A293038 21.1140 [x+1-exp(x) lgdegf]
A293039 15.7522 [1/2*x^2+x+1-exp(x) lgdegf]
A293040 12.3869 [1/2*x^2+1/6*x^3+x+1-exp(x) lgdegf]
A293046 8.56342 [x^2*(x^3-3*x^2+x-1)/(2*x-1)/(x-1)^2/(x+1)^2 ogf]
A293047 8.00852 [-(6*x^4-18*x^3+38*x^2-14*x-4)/(2*x^5-5*x^4+6*x^3+2*x^2-8*x+3) lgdogf]
A293047 9.32756 [-x^3*(x^2-2*x+3)/(2*x-1)/(x-1)^2/(x+1)^2 ogf]
A293049 12.5849 [-(2*x^3-3*x^2)/(x^2-2*x+1) lgdegf]
A293049 3.38825 [{(n+5)*a(n+5)+(-2*n-8)*a(n+4)+(n+3)*a(n+3)-3*a(n+2)+2*a(n+1), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1, a(4) = 1}, egf]
A293050 12.0882 [-(3*x^4-4*x^3)/(x^2-2*x+1) lgdegf]
A293050 4.17863 [-1/3*(x^12-9*x^9+9*x^8+36*x^6-72*x^5+36*x^4-60*x^3+180*x^2-180*x+60)/(x-1)/(x^8+8*x^5-8*x^4+20*x^2-40*x+20) egf]
A293064 12.2925 [-(3*x^2-8*x+4)/(x^3-4*x^2+4*x-1) lgdogf]
A293064 17.4827 [-x^3/(x-1)/(x^2-3*x+1) ogf]
A293064 6.09863 [{-a(n+4)+4*a(n+3)-4*a(n+2)+a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1}, ogf]

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A293065 11.6044 [  $-x^3(2*x-1)/(x^2-3*x+1)/(x-1)^2$  ogf]  
A293065 3.83111 [  $\{(n-1)*a(n)+(-4*n+5)*a(n+1)+(4*n-7)*a(n+2)+(-n+2)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1, a(4) = 3, a(5) = 7\}$ , ogf]  
A293065 9.64700 [  $-(6*x^3-18*x^2+13*x-3)/(2*x^4-9*x^3+12*x^2-6*x+1)$  lgdogf]  
A293066 11.4466 [  $-(x^2+2*x-1)/(x^2-3*x+1)/(x-1)^2$  ogf]  
A293066 3.98898 [  $\{(n+3)*a(n+1)+(-4*n-11)*a(n+2)+(4*n+9)*a(n+3)+(-n-2)*a(n+4), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 11\}$ , ogf]  
A293066 7.97796 [  $-(-2*x^4-3*x^3+21*x^2-15*x+3)/(-x^5+2*x^4+5*x^3-11*x^2+6*x-1)$  lgdogf]  
A293067 12.0724 [  $2*x^2(2*x-1)/(x-1)/(2*x^2-4*x+1)$  ogf]  
A293067 5.66474 [  $\{a(n+4)-5*a(n+3)+6*a(n+2)-2*a(n+1), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 6\}$ , ogf]  
A293067 8.76686 [  $-(8*x^3-18*x^2+12*x-3)/(4*x^4-14*x^3+16*x^2-7*x+1)$  lgdogf]  
A293068 7.91754 [  $-2*x^3(28*x^2-18*x+3)/(2*x-1)/(7*x^2-6*x+1)/(2*x^2-4*x+1)$  ogf]  
A293069 6.89213 [  $2*x^4(14*x^2-17*x+4)/(2*x-1)/(x-1)/(7*x^2-6*x+1)/(2*x^2-4*x+1)$  ogf]  
A293070 12.2050 [  $-(4*x-1)*(x-1)/(7*x^2-6*x+1)/(2*x-1)$  ogf]  
A293070 6.74484 [  $\{a(n+3)-8*a(n+2)+19*a(n+1)-14*a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$ , ogf]  
A293070 7.05424 [  $-(-56*x^4+140*x^3-105*x^2+30*x-3)/(-56*x^5+146*x^4-141*x^3+63*x^2-13*x+1)$  lgdogf]  
A293073 6.58880 [  $-(-16*x^4+16*x^3-4*x^2+12*x-7)/(-16*x^4+24*x^3-8*x^2-2*x+1)$  lgdegf]  
A293110 8.73953 [  $x*\exp(1/2*x*(x+2))+\exp(1/2*x*(x+2))$ , egf\_with\_Euler\_transform]  
A293116 21.1646 [  $1/(-x^2+2*x-1)$  lgdegf]  
A293116 5.73954 [  $\{(-n^2-n)*a(n)+(2*n+1)*a(n+1)-a(n+2), a(0) = 1, a(1) = -1\}$ , ogf]  
A293117 13.3861 [  $-(-x^2+2*x)/(x^2-2*x+1)$  lgdegf]  
A293117 3.55142 [  $\{(-n^2-5*n-6)*a(n+1)+(n^2+7*n+12)*a(n+2)+(-2*n-6)*a(n+3)+a(n+4), a(0) = 1, a(1) = 0, a(2) = -2, a(3) = -6\}$ , ogf]  
A293118 12.5979 [  $-(-2*x^3+3*x^2)/(x^2-2*x+1)$  lgdegf]  
A293118 3.39175 [  $\{(n+5)*a(n+5)+(-2*n-8)*a(n+4)+(n+3)*a(n+3)+3*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = -1, a(4) = -1\}$ , egf]  
A293120 12.2366 [  $-(x^2+2*x)/(-x^2-2*x-1)$  lgdegf]  
A293120 3.33144 [  $\{(-n^2-5*n-6)*a(n+1)+(n^2+3*n)*a(n+2)+(2*n+6)*a(n+3)+a(n+4), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = -6\}$ , ogf]  
A293121 12.5979 [  $-(-2*x^3-3*x^2)/(x^2+2*x+1)$  lgdegf]  
A293121 3.39175 [  $\{(-n-5)*a(n+5)+(-2*n-8)*a(n+4)+(-n-3)*a(n+3)+3*a(n+2)+2*a(n+1), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1, a(4) = -1\}$ , egf]  
A293122 13.3861 [  $-(-x^2-2*x)/(-x^2-2*x-1)$  lgdegf]  
A293122 3.55142 [  $\{(-n^2-5*n-6)*a(n+1)+(-n^2-7*n-12)*a(n+2)+(-2*n-6)*a(n+3)-a(n+4), a(0) = 1, a(1) = 0, a(2) = -2, a(3) = 6\}$ , ogf]  
A293123 12.5849 [  $-(2*x^3+3*x^2)/(x^2+2*x+1)$  lgdegf]  
A293123 3.38825 [  $\{(-n-5)*a(n+5)+(-2*n-8)*a(n+4)+(-n-3)*a(n+3)-3*a(n+2)-2*a(n+1), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = -1, a(4) = 1\}$ , egf]  
A293125 18.1826 [  $-1/(x^2+2*x+1)$  lgdegf]  
A293125 5.54722 [  $\{(-n^2-n)*a(n)+(-2*n-3)*a(n+1)-a(n+2), a(0) = 1, a(1) = -1\}$ , ogf]  
A293126 10.7385 [  $-3*(6*x^2-8*x+1)/(4*x^3-18*x^2+12*x-1)$  ogf]  
A293126 5.96585 [  $\{-a(n+3)+12*a(n+2)-18*a(n+1)+4*a(n), a(0) = 3, a(1) = 12, a(2) = 108\}$ , ogf]  
A293126 6.46301 [  $-(-24*x^4+64*x^3-84*x^2+24*x-4)/(-24*x^5+140*x^4-220*x^3+120*x^2-20*x+1)$  lgdogf]  
A293132 16.6122 [  $-(-2*x^6+2*x^5-2*x^4-x^3-2*x^2+2*x-2)/(x^8-1)$  ogf\_with\_Euler\_transform]  
A293143 5.30014 [  $\{-a(n+3)+12*a(n+2)-35*a(n+1)+24*a(n), a(0) = 4, a(1) = 16, a(2) = 96\}$ , ogf]  
A293143 9.39570 [  $-4*(11*x^2-8*x+1)/(x-1)/(3*x-1)/(8*x-1)$  ogf]  
A293144 6.46711 [  $-8*(156*x^3-131*x^2+24*x-1)/(x-1)/(3*x-1)/(20*x-1)/(8*x-1)$  ogf]

A293156 14.5871 [ (5\*x^3+9\*x^2+9\*x-15)/(3\*x-1) ogf]  
A293156 7.79907 [ {a(n+4)-3\*a(n+3), a(0) = 15, a(1) = 36, a(2) = 99, a(3) = 292}, ogf]  
A293156 8.85063 [ -(30\*x^3+12\*x^2-18\*x+36)/(-15\*x^4-22\*x^3-18\*x^2+54\*x-15) lgdogf]  
A293169 7.52894 [ (x-1)^5/(x^7-x^6+6\*x^5-15\*x^4+20\*x^3-15\*x^2+6\*x-1) ogf]  
A293239 6.81046 [ (x^13-x^12-x^9+x^8-x^6-x^3-x^2-1)/(x^2+1)/(x+1)/(x-1)^3 ogf]  
A293263 4.48494 [ (x^8+x^7-14\*x^6-5\*x^5+30\*x^4-17\*x^3-10\*x^2+5\*x+1)/(x-1)/(x^2+2\*x-1)/(2\*x^5+3\*x^4-7\*x^3+12\*x^2-7\*x+1) ogf]  
A293292 10.9138 [ x\*(6\*x^4+x^3+x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A293296 8.54596 [ -x\*(3\*x^4+3\*x^3+4\*x^2+4\*x+2)/(x^2+1)/(x+1)/(x-1)^3 ogf]  
A293297 19.6131 [ ln(x+1)+2 lgdegf]  
A293300 5.16747 [ (x^10+x^9+x^8+x^7-x^6-x^5-x^4-x^3+1)/(x+1)/(x^2+1)/(x^7-x^6+1) egf]  
A293306 13.0365 [ -(x^2+1)/(-x^4-x^3+x+1) ogf\_with\_Euler\_transform]  
A293309 3.34353 [ -(x^8+112\*x^7+1983\*x^6+9684\*x^5+16120\*x^4+9684\*x^3+1983\*x^2+112\*x+1)/(x-1)^11 ogf]  
A293310 3.27801 [ (x^8+67\*x^7+811\*x^6+3049\*x^5+4609\*x^4+3049\*x^3+811\*x^2+67\*x+1)/(x+1)/(x-1)^10 ogf]  
A293316 4.46876 [ (x^18+x^15-x^13-x^11-x^10-x^9-x^8-x^7-2\*x^6-x^5-x^4-2\*x^3-x^2-x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1)/(x^2+1)/(x^4-x^2+1)/(x-1)^2 ogf]  
A293344 7.82082 [ -(10\*x^9+8\*x^7-10\*x^4-3\*x^2-1)/(x^10+x^8-2\*x^5-x^3-x+1) ogf]  
A293387 14.5500 [ -(-2\*x^2-2)/(-x^4-x^3+x+1) ogf\_with\_Euler\_transform]  
A293389 13.0474 [ -(2\*x^2+2)/(-x^4-x^3+x+1) ogf\_with\_Euler\_transform]  
A293411 13.0327 [ -(x^2+x+1)/(x^2+1)/(x^2+x-1) ogf]  
A293411 7.94993 [ -(2\*x^5+4\*x^4+6\*x^3+2\*x^2+2\*x+2)/(x^6+2\*x^5+2\*x^4+2\*x^3-1) lgdogf]  
A293423 12.5357 [ -(-3\*x^4-3\*x^3+2\*x^2-3\*x-3)/(-x^6+1) ogf\_with\_Euler\_transform]  
A293475 16.0702 [ -(40\*x+50)/(8\*x^2-x-7) lgdogf]  
A293475 5.25169 [ {(14+7\*n)\*a(n+3)+(-49+n)\*a(n+2)+(-40-8\*n)\*a(n+1), a(0) = 0, a(1) = 7, a(2) = 50}, ogf]  
A293475 9.56558 [ x\*(8\*x+7)/(x-1)^6 ogf]  
A293476 11.8281 [ -(12\*x^2+32\*x+12)/(2\*x^3+2\*x^2-3\*x-1) lgdogf]  
A293476 3.90384 [ {(n+3)\*a(n+4)+(-6+3\*n)\*a(n+3)+(-34-2\*n)\*a(n+2)+(-12-2\*n)\*a(n+1), a(0) = 0, a(1) = 15, a(2) = 180, a(3) = 1050}, ogf]  
A293476 7.01310 [ 15\*x\*(2\*x^2+4\*x+1)/(x-1)^8 ogf]  
A293481 10.2150 [ (x^5+x^4+x^3+x^2+x+5)/(x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A293487 4.36086 [ (x+1)\*(x^2+1)\*(2\*x^9-3\*x^8+2\*x^6-x^5+x^4-x^3+x^2+x-1)/(x^12-2\*x^10-x^8-x^7+x^6-x^5+x^4+x^3+x-1) egf]  
A293490 11.7116 [ 2\*(-24\*x+5+(1-4\*x)^(1/2))/(16\*x-3)/(-1+4\*x) lgdogf]  
A293490 4.63452 [ {(-64\*n^2-256\*n-252)\*a(n+1)+(28\*n^2+126\*n+140)\*a(n+2)+(-3\*n^2-15\*n-18)\*a(n+3), a(0) = 1, a(1) = 4, a(2) = 18}, ogf]  
A293493 13.4938 [ -(2\*x^3+1)/(-x^6+2\*x^3-1) lgdegf]  
A293494 13.2698 [ -(-x^4-2\*x)/(x^6-2\*x^3+1) lgdegf]  
A293498 3.72183 [ -(5\*x^7-41\*x^6+101\*x^5-129\*x^4+96\*x^3-42\*x^2+10\*x-1)/(7\*x^8-66\*x^7+197\*x^6-311\*x^5+294\*x^4-172\*x^3+61\*x^2-12\*x+1) ogf]  
A293499 5.70084 [ -(x^4-9\*x^3+12\*x^2-6\*x+1)/(x-1)/(x^4-13\*x^3+16\*x^2-7\*x+1) ogf]  
A293505 9.17471 [ -x^3\*(x^2-x-1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1) ogf]  
A293507 13.1579 [ -(3\*x^4+1)/(-x^8+2\*x^4-1) lgdegf]  
A293532 12.4746 [ -(-x^2-1)/(-x^4+2\*x^2-1) lgdegf]  
A293532 3.67671 [ {(n+4)\*a(n+4)+a(n+3)+(-2\*n-4)\*a(n+2)+a(n+1)+n\*a(n), a(0) = 1, a(1) = -1, a(2) = 1/2, a(3) = -7/6}, egf]  
A293533 9.81860 [ -(-x^4-2\*x^3-2\*x-1)/(-x^6+2\*x^3-1) lgdegf]  
A293543 8.19999 [ -x\*(x^8+x^7+x^3+x^2-1)/(x-1)/(x+1)/(x^2+1)/(x^2+x-1)/(x^4+1) ogf]  
A293544 13.9671 [ -x^3/(x^2+x-1)/(x^4+1) ogf]  
A293544 8.29296 [ -(-6\*x^5-5\*x^4+4\*x^3-2\*x-1)/(-x^6-x^5+x^4-x^2-x+1) lgdogf]  
A293545 9.19756 [ x^3\*(x^2+x+1)\*(x^3-x^2+1)/(x-1)/(x+1)/(x^2+1)/(x^2+x-1)/(x^4+1) ogf]  
A293546 8.14712 [ -x\*(x^2+x+1)\*(x^6+x-1)/(x-1)/(x+1)/(x^2+1)/(x^2+x-1)/(x^4+1) ogf]

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ogf]
A293547 9.85701 [ -x*(x^4-x^2+1)/(x^2+x-1)/(x^4+1) ogf]
A293550 3.39793 [ {(4*n^2+18*n+20)*a(n+1)+(31*n^2+235*n+464)*a(n
+2)+(172+20*n)*a(n+3)+(-2*n^2-22*n-48)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 11,
a(3) = 69}, ogf]
A293552 8.49178 [ -x*(x^6+x^5+x^3+x^2-1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/
(x^2+x-1) ogf]
A293553 14.2530 [ x^4/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1) ogf]
A293553 8.46270 [ -(8*x^7+7*x^6-6*x^5-2*x-1)/(x^8+x^7-x^6-x^2-x+1) lgdogf]
A293561 10.1363 [ (5*x-3)/(3*x-1)/(2*x-1)/(x-1)^3 ogf]
A293561 8.01993 [ -(120*x^3-195*x^2+106*x-19)/(30*x^4-73*x^3+63*x^2-23*x+3)
lgdogf]
A293562 4.92126 [ (102*x^4-141*x^3+48*x^2+7*x-4)/(4*x-1)/(3*x-1)^2/(2*x-1)^2/
(x-1)^4 ogf]
A293565 11.8122 [ -(-2*x^3-1)/(-x^6+2*x^3-1) lgdegf]
A293566 11.7018 [ -(-3*x^4-1)/(-x^8+2*x^4-1) lgdegf]
A293567 11.7018 [ -(x^4+2*x)/(x^6-2*x^3+1) lgdegf]
A293571 9.77315 [ -(-x^2+1)/(-x^4-2*x^3-3*x^2-2*x-1) lgdegf]
A293572 7.25723 [ -(2*x^3+x^2-1)/(x^6+2*x^5+3*x^4+4*x^3+3*x^2+2*x+1) lgdegf]
A293579 14.2994 [ (2*x-3)/(2*x-1)/(2*x^2-4*x+1) ogf]
A293579 6.71452 [ {-a(n+3)+6*a(n+2)-10*a(n+1)+4*a(n), a(0) = 3, a(1) = 16, a(2) =
66}, ogf]
A293579 8.87552 [ -(16*x^3-56*x^2+60*x-16)/(8*x^4-32*x^3+42*x^2-20*x+3) lgdogf]
A293580 7.09121 [ -(4*x^3-16*x^2+24*x-13)/(2*x-1)/(2*x^2-4*x+1)/
(2*x^3-6*x^2+6*x-1) ogf]
A293589 10.2365 [ -(x^2+2*x)/(-x^4-2*x^3-3*x^2-2*x-1) lgdegf]
A293590 10.6803 [ x^2*(x^2+2*x+3)/(x+1)^2/(x^2+1)^2 lgdegf]
A293604 5.82592 [ {(-2*n-4)*a(n+1)-a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = -1},
ogf]
A293608 15.9337 [ -(24*x+39)/(4*x^2+x-5) lgdogf]
A293608 5.13991 [ {(10+5*n)*a(n+3)+(-40-n)*a(n+2)+(-24-4*n)*a(n+1), a(0) = 0,
a(1) = 50, a(2) = 390}, ogf]
A293608 8.38617 [ -10*x*(4*x+5)/(x-1)^7 ogf]
A293610 10.6632 [ -(216*x^2+478*x+146)/(36*x^3+22*x^2-47*x-11) lgdogf]
A293610 3.75751 [ {(-33-11*n)*a(n+4)+(52-47*n)*a(n+3)+(500+22*n)*a(n
+2)+(216+36*n)*a(n+1), a(0) = 0, a(1) = 11, a(2) = 146, a(3) = 896}, ogf]
A293610 6.98299 [ x*(36*x^2+58*x+11)/(x-1)^8 ogf]
A293611 15.6671 [ -(84*x+91)/(14*x^2-3*x-11) lgdogf]
A293611 5.22235 [ {(22+11*n)*a(n+3)+(-88+3*n)*a(n+2)+(-84-14*n)*a(n+1), a(0) = 0,
a(1) = 11, a(2) = 91}, ogf]
A293611 8.57565 [ -x*(14*x+11)/(x-1)^7 ogf]
A293612 3.78237 [ {(-3721*n^2-42535*n-115416)*a(n+1)+(1412*n^2-21860*n-95596)*a(n
+2)+(2309*n^2+10125*n+11014)*a(n+3), a(0) = 0, a(1) = 26, a(2) = 588}, ogf]
A293612 5.26025 [ 2*x*(120*x^3+333*x^2+164*x+13)/(x-1)^10 ogf]
A293612 8.02320 [ -(840*x^3+3024*x^2+2142*x+294)/
(120*x^4+213*x^3-169*x^2-151*x-13) lgdogf]
A293613 10.4351 [ -(525*x^2+1246*x+434)/(75*x^3+62*x^2-104*x-33) lgdogf]
A293613 3.70591 [ {(-99-33*n)*a(n+4)+(226-104*n)*a(n+3)+(1308+62*n)*a(n
+2)+(525+75*n)*a(n+1), a(0) = 0, a(1) = 66, a(2) = 868, a(3) = 5586}, ogf]
A293613 6.29416 [ -2*x*(75*x^2+137*x+33)/(x-1)^9 ogf]
A293614 14.4236 [ -(105*x+119)/(15*x^2-2*x-13) lgdogf]
A293614 4.89858 [ {(26+13*n)*a(n+3)+(-117+2*n)*a(n+2)+(-105-15*n)*a(n+1), a(0) =
0, a(1) = 26, a(2) = 238}, ogf]
A293614 7.48918 [ 2*x*(15*x+13)/(x-1)^8 ogf]
A293615 11.1601 [ 60*x/(x-1)^6 ogf]
A293615 29.0960 [ 6/(-x+1) lgdogf]
A293615 62.1167 [ [6] ogf_with_Euler_transform]
A293615 7.83353 [ {(n+1)*a(n+2)+(-6-n)*a(n+1), a(0) = 0, a(1) = 60}, ogf]
A293631 9.33069 [ x^2*(x^3+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1) ogf]
A293632 7.96214 [ -(x^5+x^3-x^2+x-1)/(x-1)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1) ogf]
A293633 9.92810 [ -(x^6+x^3-1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1) ogf]

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A293638 6.82116 [  $x^4(x-1)(x+1)/(x^2+x-1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A293639 3.90176 [  $x^4(x+1)(x^2-x+1)(x^6+x^5-2x^3-x^2+x+1)/(x-1)/(x^2+x-1)/(x^4+x^3+x^2+x+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A293641 6.37777 [  $-x^3(x^4-x^2+1)/(x^2+x-1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A293642 4.57719 [  $x^3(x^4+1)(x^6-x^4+1)/(x-1)/(x^2+x-1)/(x^4+x^3+x^2+x+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A293643 4.31904 [  $-x(x^{13}+x^{12}-x^8+x^3+x^2-1)/(x-1)/(x^2+x-1)/(x^4+x^3+x^2+x+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A293644 5.75872 [  $-x(x^4+1)(x-1)^2(x+1)^2/(x^2+x-1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A293656 5.94733 [  $\{(-n^2-9n-20)a(n+1)+(n+2)a(n+3), a(0) = 1, a(1) = 3, a(2) = 12\}$ , ogf]  
A293671 4.71254 [  $x^3(x^{10}-x^3+x+1)/(x-1)/(x^2+x-1)/(x^4+x^3+x^2+x+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A293672 4.39606 [  $-x(x^{13}+x^{12}-x^{10}+x^5+x^2-1)/(x-1)/(x^2+x-1)/(x^4+x^3+x^2+x+1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A293673 5.28099 [  $-x(x^8-x^6+x^5+x^4-x^3-x^2+1)/(x^2+x-1)/(x^8-x^6+x^4-x^2+1)$  ogf]  
A293686 13.0557 [  $x(x+10099)/(x+1)/(x-1)^2$  ogf]  
A293686 6.69242 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 0, a(1) = 10099, a(2) = 10100\}$ , ogf]  
A293686 9.95498 [  $-(-2x^2-30298x-10100)/(-x^3-10099x^2+x+10099)$  lgdogf]  
A293703 6.22268 [  $(2x^{17}-2x^{16}+2x^{15}-2x^{14}+2x^{13}-2x^{12}+2x^{11}-2x^{10}+2x^9-2x^8+x+1)/(x-1)^2$  ogf]  
A293706 9.83555 [  $-2x^9(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)/(x-1)$  ogf]  
A293710 11.6579 [  $-(-3x^2-8x-4)/(-x^3-4x^2-4x+1)$  lgdogf]  
A293710 16.5801 [  $-x^2/(x^3+4x^2+4x-1)$  ogf]  
A293710 6.78277 [  $\{-a(n+3)+4a(n+2)+4a(n+1)+a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A293716 26.0530 [  $9x^2+4x+1$  lgdegf]  
A293716 4.14480 [  $\{(-9n^2-45n-54)a(n+1)+(-4n-12)a(n+2)+a(n+4)-a(n+3), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 31\}$ , ogf]  
A293717 18.8431 [  $16x^3+9x^2+4x+1$  lgdegf]  
A293720 5.87038 [  $\{(8n+16)a(n+1)-a(n+3)+a(n+2), a(0) = 1, a(1) = 1, a(2) = 9\}$ , ogf]  
A293721 22.7262 [  $27x^2+8x+1$  lgdegf]  
A293721 3.68191 [  $\{(27n^2+135n+162)a(n+1)+(8n+24)a(n+2)-a(n+4)+a(n+3), a(0) = 1, a(1) = 1, a(2) = 9, a(3) = 79\}$ , ogf]  
A293723 16.1169 [  $64x^3+27x^2+8x+1$  lgdegf]  
A293723 3.12471 [  $\{(-n-5)a(n+5)+a(n+4)+8a(n+3)+27a(n+2)+64a(n+1), a(0) = 1, a(1) = 1, a(2) = 9/2, a(3) = 79/6, a(4) = 841/24\}$ , egf]  
A293727 11.6073 [  $-(23x^9-23x^8+x^2-x-1)/(x-1)^2$  ogf]  
A293732 9.35333 [  $-1/2(2x+1)/x^2+1/2I/x^2/(2x-1)^{1/2}(2x+1)^{1/2}$  ogf\_with\_Euler\_transform]  
A293733 8.39975 [  $1/2I/x^3(3x-1)^{1/2}(x+1)^{1/2}-1/2(2x^2+x-1)/x^3$  ogf\_with\_Euler\_transform]  
A293754 14.4582 [  $-(x^4-x^3-1)/(x-1)^2$  ogf]  
A293754 9.81094 [  $-(-2x^4+5x^3-3x^2-2)/(x^5-2x^4+x^3-x+1)$  lgdogf]  
A293755 8.01646 [  $-(5x^{18}-5x^{17}+63x^{15}-62x^{14}-x^{12}+x^2+141x-143)/(x-1)^2$  ogf]  
A293774 3.46718 [  $(2x^{10}+4x^9+2x^8+5x^7+11x^6+8x^5+6x^4+6x^3+2x^2+x-1)/(4x^{10}+8x^9+4x^8+10x^7+22x^6+16x^5+8x^4+6x^3+2x^2+2x-1)$  ogf]  
A293809 5.39707 [  $x^2\exp(1/2x(x+2))+2x\exp(1/2x(x+2))+2\exp(1/2x(x+2))$ , egf\_with\_Euler\_transform]  
A293817 9.40756 [  $-(14x^5+19x^4+26x^3-19x^2-14x-13)/(x^6-4x^3+1)$  ogf]  
A293821 9.46165 [  $(2x^3-x^2+1)/(x^2+1)/(x+1)^3/(x-1)^4$  ogf]  
A293822 6.00685 [  $-(x^8-2x^6+2x^5+7x^4+2x^3-x^2+x+1)/(x^4+x^3+x^2+x+1)/(x+1)^4/(x-1)^5$  ogf]  
A293823 4.30501 [  $(2x^9+4x^8+6x^7+3x^6+7x^5+10x^4+5x^3+x+1)/(x^2-x+1)/(x^2+x+1)^2/(x+1)^5/(x-1)^6$  ogf]  
A293846 10.4205 [  $3(3x^4+8x^3+13x^2+8x+3)/(x^6-4x^3+1)$  ogf]

A293870 11.1186 [  $-(89*x^{21}+10*x^{20}-99*x^{12}+89*x^2-80*x-10)/(x-1)^2$  ogf ]  
A293871 10.1069 [  $-(88*x^{21}+11*x^{20}-8*x^{12}-91*x^{11}+98*x^2-88*x-11)/(x-1)^2$  ogf ]  
A293914 3.64765 [  $\{(2*n+5)*a(n+1)+(4*n^2+24*n+34)*a(n+2)+(-4*n-14)*a(n+3)+a(n+4),$   
 $a(0) = 1, a(1) = 2, a(2) = 10, a(3) = 69\}$ , ogf ]  
A293948 6.76643 [  $-(4*x^9+2*x^8-6*x^7+5*x^5-4*x^4-4*x^3+4*x^2+x-1)/(x-1)/$   
 $(2*x-1)/(x+1)/(2*x^2-1)^2$  ogf ]  
A293962 3.55444 [  $\{(-2*n^2-3*n)*a(n+1)+n*a(n+2)+(2*n^2+15*n+28)*a(n+3)+(-n-4)*a(n$   
 $+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 10\}$ , ogf ]  
A293986 7.54306 [  $-1/(-x^8+8*x^7-28*x^6+56*x^5-70*x^4+56*x^3-28*x^2+8*x-1)$   
lgdegf ]  
A293987 24.6071 [  $-1/(-1+x)^9$  lgdegf ]  
A293988 24.7416 [  $1/(-1+x)^{10}$  lgdegf ]  
A293990 11.1084 [  $(x^4+2*x^3+2*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf ]  
A293995 12.8068 [  $-(x-1)/(3*x-1)/(2*x^3-2*x^2-x-1)$  ogf ]  
A293995 7.81214 [  $-(-18*x^4+40*x^3-23*x^2-2*x-1)/(-6*x^5+14*x^4-7*x^3+x^2-3*x+1)$   
lgdogf ]  
A293996 5.93815 [  $-(2*x^4+4*x^3+x^2+x-1)/(4*x-1)/$   
 $(12*x^7+30*x^6+14*x^5+8*x^4-13*x^3-6*x^2-2*x-1)$  ogf ]  
A294020 8.37929 [  $x*(16*x^9+12*x^8+20*x^7+13*x^6+4*x^5+8*x^4+6*x^3+4*x^2+4*x+1)/$   
 $(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf ]  
A294021 9.29228 [  $-x*(16*x^9+12*x^8+20*x^7+13*x^6+4*x^5+8*x^4+6*x^3+4*x^2+4*x$   
 $+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf ]  
A294039 3.25527 [  $\{(4*n^3+34*n^2+92*n+80)*a(n+1)+(-4*n^3-38*n^2-121*n-130)*a(n$   
 $+2)+(n+3)*a(n+3), a(0) = 2, a(1) = 16, a(2) = 326\}$ , ogf ]  
A294049 8.66500 [  $(x+1)*(x^5+x^4-x^3-x^2-1)/(x-1)/(x^7+x^6-x^5-x^4-x^3-x^2+1)$   
ogf ]  
A294050 10.0697 [  $-4/(x^5-5*x^4+10*x^3-10*x^2+5*x-1)$  lgdegf ]  
A294051 9.28175 [  $-5/(-x^6+6*x^5-15*x^4+20*x^3-15*x^2+6*x-1)$  lgdegf ]  
A294052 9.77429 [  $(x-2)/(x-1)/(x^2-3*x+1)/(x^3-x^2-3*x+1)$  ogf ]  
A294085 6.88282 [  $(x^4+x^3+1)/(x^2+x+1)/(x^2-x+1)/(x+1)^3/(x-1)^4$  ogf ]  
A294090 9.53986 [  $-(135*x^5+130*x^4+50*x^3+35*x^2+18*x+5)/(10*x^4-1)$  ogf ]  
A294102 11.4392 [  $-(2*x^4+5*x^3+9*x^2+4*x+1)/(x^6-3*x^4+3*x^2-1)$   
ogf\_with\_Euler\_transform ]  
A294116 10.7375 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 21\}$ , ogf ]  
A294116 12.9161 [  $-(-19*x^2-4*x-21)/(-19*x^3-21*x^2+17*x+2)$  lgdogf ]  
A294116 19.3741 [  $- (19*x+2)/(x^2+x-1)$  ogf ]  
A294119 6.02623 [  $\{(-4*n-8)*a(n+1)+a(n+3)-4*a(n+2), a(0) = 1, a(1) = 4, a(2) =$   
 $20\}$ , ogf ]  
A294120 21.6778 [  $9*(x+1)^2$  lgdegf ]  
A294120 3.37210 [  $\{(9*n^2+45*n+54)*a(n+1)+(18*n+54)*a(n+2)-a(n+4)+9*a(n+3), a(0)$   
 $= 1, a(1) = 9, a(2) = 99, a(3) = 1233\}$ , ogf ]  
A294129 4.78365 [  $\{(n+3)*a(n+1)+(-n-2)*a(n+2)+a(n+4)-2*a(n+3), a(0) = 0, a(1) =$   
 $1, a(2) = 3, a(3) = 7\}$ , ogf ]  
A294139 7.28732 [  $x^2*(2*x^3+11*x^2+11*x+12)/(x+1)^3/(x-1)^4$  ogf ]  
A294139 7.84788 [  $-(-8*x^4-57*x^3-83*x^2-117*x-23)/(-2*x^5-11*x^4-9*x^3-x^2+11*x$   
 $+12)$  lgdogf ]  
A294140 7.20416 [  $-x*(4*x^3+8*x^2-5*x-1)/(4*x-1)/(2*x-1)^2/(x-1)^3$  ogf ]  
A294152 10.5170 [  $-x*(x+1)*(x-2)/(x^2-3*x+1)/(x-1)^2$  ogf ]  
A294152 3.85801 [  $\{(2*n+9)*a(n+1)+(-8*n-34)*a(n+2)+(8*n+30)*a(n+3)+(-2*n-7)*a(n$   
 $+4), a(0) = 0, a(1) = 2, a(2) = 11, a(3) = 38\}$ , ogf ]  
A294152 7.83412 [  $-(2*x^4-6*x^3-4*x^2+23*x-11)/(x^5-5*x^4+6*x^3+3*x^2-7*x+2)$   
lgdogf ]  
A294157 10.2474 [  $\{a(n+2)-a(n+1)-a(n), a(0) = 2, a(1) = 8\}$ , ogf ]  
A294157 13.1294 [  $-(-3*x^2-2*x-4)/(-3*x^3-4*x^2+2*x+1)$  lgdogf ]  
A294157 18.6730 [  $-2*(3*x+1)/(x^2+x-1)$  ogf ]  
A294172 8.45924 [  $-(3*x^4+10*x^3+22*x^2+16*x+5)/(x^5+2*x^4+2*x^3-x^2-3*x-1)$   
lgdogf ]  
A294172 9.00500 [  $(x^3+2*x^2+3*x+1)/(x+1)^2/(x-1)^4$  ogf ]  
A294189 14.9230 [  $4/(-x^3+3*x^2-3*x+1)$  lgdegf ]  
A294189 3.60775 [  $\{(-n^3-3*n^2-2*n)*a(n)+(3*n^2+9*n+6)*a(n+1)+(-3*n-10)*a(n$   
 $+2)+a(n+3), a(0) = 1, a(1) = 4, a(2) = 28\}$ , ogf ]

A294190 11.3873  $[-9/(-x^4+4*x^3-6*x^2+4*x-1) \text{ lgdegf}]$   
A294213 8.82076  $[-(-3*x-1)/(-x^5+x^4+2*x^3-2*x^2-x+1) \text{ lgdegf}]$   
A294214 7.81030  $[(6*x^3+7*x^2+4*x+1)/(x^2+x+1)^2/(x+1)^4 \text{ lgdegf}]$   
A294221 9.27014  $[1/3*\exp(x)*x^3+5/2*\exp(x)*x^2+4*\exp(x)*x+\exp(x) \text{ lgdegf}]$   
A294251 14.0286  $[6*x^5+5*x^4+4*x^3+6*x^2+2*x+1 \text{ lgdegf}]$   
A294255 23.6281  $[3*x^2-2*x-1 \text{ lgdegf}]$   
A294255 3.78050  $[\{(3*n^2+15*n+18)*a(n+1)+(-2*n-6)*a(n+2)-a(n+4)-a(n+3), a(0) = 1, a(1) = -1, a(2) = -1, a(3) = 11\}, \text{ ogf}]$   
A294256 14.8932  $[-6*x^5+5*x^4+4*x^3-2*x-1 \text{ lgdegf}]$   
A294257 12.3069  $[10*x^9-9*x^8-8*x^7+10*x^4-2*x-1 \text{ lgdegf}]$   
A294258 6.55675  $[-15*x^14+14*x^13+13*x^12-10*x^9-9*x^8-8*x^7+7*x^6+6*x^5+5*x^4-2*x-1 \text{ lgdegf}]$   
A294259 10.7925  $[-(-4*x^3+9*x^2+6*x+4)/(-2*x^4+7*x^3-6*x^2+2*x-1) \text{ lgdogf}]$   
A294259 4.61712  $[\{(57*n^2+373*n+518)*a(n+1)+(-106*n^2-442*n-152)*a(n+2)+(49*n^2+101*n+6)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 4\}, \text{ ogf}]$   
A294259 9.48793  $[x*(2*x^3-5*x^2+x-1)/(x-1)^5 \text{ ogf}]$   
A294262 11.7704  $[-(x^4+4*x^3+4*x^2-8*x-1)/(x^5+7*x^4+12*x^3-5*x+1) \text{ lgdogf}]$   
A294262 17.1733  $[(x^2+2*x-1)/(x+1)/(x^2+4*x-1) \text{ ogf}]$   
A294262 9.35330  $[\{a(n+3)-3*a(n+2)-5*a(n+1)-a(n), a(0) = 1, a(1) = 1, a(2) = 7\}, \text{ ogf}]$   
A294269 9.64606  $[(2*x^6-3*x^5+2*x^3+x^2+x+1)/(x^2+1)/(x+1)/(x-1)^2 \text{ ogf}]$   
A294270 5.47059  $[-x*(x^6+7*x^5+24*x^4+28*x^3+27*x^2+7*x+2)/(x+1)^4/(x-1)^5 \text{ ogf}]$   
A294271 4.18168  $[x*(x^8+15*x^7+77*x^6+165*x^5+241*x^4+165*x^3+87*x^2+15*x+2)/(x+1)^5/(x-1)^6 \text{ ogf}]$   
A294286 7.54348  $[x^2*(x^3+5*x^2+5*x+5)/(x+1)^3/(x-1)^4 \text{ ogf}]$   
A294286 8.93738  $[-(-4*x^4-26*x^3-38*x^2-50*x-10)/(-x^5-5*x^4-4*x^3+5*x+5) \text{ lgdogf}]$   
A294287 5.59710  $[-x^2*(x^5+9*x^4+22*x^3+36*x^2+19*x+9)/(x+1)^4/(x-1)^5 \text{ ogf}]$   
A294288 4.21375  $[x^2*(x^7+17*x^6+75*x^5+187*x^4+219*x^3+187*x^2+65*x+17)/(x+1)^5/(x-1)^6 \text{ ogf}]$   
A294290 7.79785  $[-(-3*x^2-2*x-1)/(-x^6-2*x^5-3*x^4-4*x^3-3*x^2-2*x-1) \text{ lgdegf}]$   
A294315 11.0168  $[2*x*(x^2+6*x+2)/(x-1)^4 \text{ ogf}]$   
A294315 12.3522  $[-(2*x^2+20*x+14)/(x^3+5*x^2-4*x-2) \text{ lgdogf}]$   
A294315 4.11738  $[\{(6+2*n)*a(n+4)+(-6+4*n)*a(n+3)+(-25-5*n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 4, a(2) = 28, a(3) = 90\}, \text{ ogf}]$   
A294327 10.2108  $[-(-100*x^2+80*x-16)/(-50*x^3+65*x^2-16*x+1) \text{ lgdogf}]$   
A294327 11.3276  $[18*x*(5*x-1)/(x-1)/(10*x-1)^2 \text{ ogf}]$   
A294327 6.09216  $[\{-a(n+3)+21*a(n+2)-120*a(n+1)+100*a(n), a(0) = 0, a(1) = 18, a(2) = 288\}, \text{ ogf}]$   
A294328 10.6515  $[2*x*(5*x-1)/(x-1)/(10*x-1)^2 \text{ ogf}]$   
A294328 5.73542  $[\{-a(n+3)+21*a(n+2)-120*a(n+1)+100*a(n), a(0) = 0, a(1) = 2, a(2) = 32\}, \text{ ogf}]$   
A294328 9.45132  $[-(-100*x^2+80*x-16)/(-50*x^3+65*x^2-16*x+1) \text{ lgdogf}]$   
A294329 10.1686  $[-(-100*x^2+80*x-16)/(-50*x^3+65*x^2-16*x+1) \text{ lgdogf}]$   
A294329 11.2808  $[16*x*(5*x-1)/(x-1)/(10*x-1)^2 \text{ ogf}]$   
A294329 6.06698  $[\{-a(n+3)+21*a(n+2)-120*a(n+1)+100*a(n), a(0) = 0, a(1) = 16, a(2) = 256\}, \text{ ogf}]$   
A294344 10.5215  $[-(10*x^2-12*x+1)/(x-1)/(10*x-1)^2 \text{ ogf}]$   
A294344 6.06324  $[\{-a(n+3)+21*a(n+2)-120*a(n+1)+100*a(n), a(0) = 1, a(1) = 9, a(2) = 79\}, \text{ ogf}]$   
A294344 7.69314  $[-(-100*x^3+230*x^2-130*x+9)/(-100*x^4+230*x^3-152*x^2+23*x-1) \text{ lgdogf}]$   
A294364 9.44035  $[-(5*x^4+3*x^3+x^2+x+1)/(x+1)/(x^2-x+1)/(x^2+x-1) \text{ ogf}]$   
A294372 10.4497  $[(x-1)^4/(x^2+4*x+1) \text{ ogf}]$   
A294372 11.0928  $[-(2*x^2+14*x+8)/(-x^3-3*x^2+3*x+1) \text{ lgdogf}]$   
A294372 5.50404  $[\{-a(n+5)-4*a(n+4)-a(n+3), a(0) = 1, a(1) = -8, a(2) = 37, a(3) = -144, a(4) = 540\}, \text{ ogf}]$   
A294433 7.58474  $[-(-x^4-26*x^3-105*x^2-92*x-16)/(-x^5-10*x^4-13*x^3+13*x^2+10*x+1) \text{ lgdogf}]$   
A294433 8.12651  $[-(x^4+11*x^3+24*x^2+11*x+1)/(x-1)^5 \text{ ogf}]$   
A294452 6.69106  $[x*(16*x^6+20*x^4-32*x^3+24*x^2-8*x+1)/(2*x-1)^2/(2*x^2-4*x$



+1)^2 ogf]  
A294473 7.18658 [  $2*x^2*(x^3+5*x^2+5*x+5)/(x+1)^3/(x-1)^4$  ogf]  
A294473 8.74888 [  $-(4*x^4+26*x^3+38*x^2+50*x+10)/(x^5+5*x^4+4*x^3-5*x-5)$  lgdogf]  
A294486 14.1405 [  $-(-48*x-18)/(-32*x^2+4*x+1)$  lgdogf]  
A294486 4.62284 [  $\{(n+3)*a(n+3)+(-10+4*n)*a(n+2)+(-80-32*n)*a(n+1), a(0) = 1, a(1) = 18, a(2) = 150\}$ , ogf]  
A294527 3.85136 [  $\{(12*n^3+82*n^2+186*n+140)*a(n+1)+(21*n^3+91*n^2+94*n)*a(n+2)+(-6*n^3-38*n^2-64*n-32)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 1\}$ , ogf]  
A294527 8.01711 [  $-3*I/(-1+4*x)^{(1/2)}/x*(x-1)/(x+2)-3*(x+1)/(x+2)/x$  lgdogf]  
A294566 13.1262 [  $-(4*x^2-x-1)/(x-1)/(5*x^2-1)$  ogf]  
A294566 7.14912 [  $\{a(n+3)-a(n+2)-5*a(n+1)+5*a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$ , ogf]  
A294566 8.25465 [  $-(-20*x^4+10*x^3+6*x^2-2*x-2)/(-20*x^5+25*x^4+4*x^3-10*x^2+1)$  lgdogf]  
A294591 10.4875 [  $-(x^2+x+1)/(x^5-x^4-2*x^3+2*x^2+x-1)$  ogf\_with\_Euler\_transform]  
A294604 4.73993 [  $-(x^{10}-2*x^9+2*x^8+x^7+24*x^6+36*x^5+57*x^4+54*x^3+48*x^2+21*x+10)/(x^2+x+1)^3/(x-1)^5$  ogf]  
A294619 15.8175 [  $x*(x^2-x-1)/(x-1)$  ogf]  
A294619 8.15849 [  $\{a(n+4)-a(n+3), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 1\}$ , ogf]  
A294627 11.6880 [  $-(4*x^3+7*x^2+2*x+2)/(2*x^4+3*x^3+2*x^2-1)$  lgdogf]  
A294627 15.5840 [  $-x*(x+1)/(2*x-1)/(x^2+x+1)$  ogf]  
A294627 8.00258 [  $\{-a(n+3)+a(n+2)+a(n+1)+2*a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A294654 10.5773 [  $-(-x^2-3*x-1)/(-x^5+x^4+2*x^3-2*x^2-x+1)$  ogf\_with\_Euler\_transform]  
A294655 10.9824 [  $-(-x^2-4*x-1)/(-x^5+x^4+2*x^3-2*x^2-x+1)$  ogf\_with\_Euler\_transform]  
A294667 14.0833 [  $-(-x-2)/(-x^3+3*x^2-3*x+1)$  ogf\_with\_Euler\_transform]  
A294668 13.4637 [  $-(-x^2-2)/(-x^6+3*x^4-3*x^2+1)$  ogf\_with\_Euler\_transform]  
A294669 12.7479 [  $-(-2*x^2-1)/(-x^6+3*x^4-3*x^2+1)$  ogf\_with\_Euler\_transform]  
A294683 7.31443 [  $(x-1)*(x^2+x+1)*(x+1)^3/(x^2+x-1)/(x^3+x^2-1)^2$  ogf]  
A294689 4.14175 [  $(34*x^{10}+68*x^9+136*x^8+91*x^7+61*x^6+41*x^5+82*x^4+55*x^3+37*x^2+25*x+17)/(x-1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$  ogf]  
A294691 12.7758 [  $-(-5*x^2-1)/(-x^6+3*x^4-3*x^2+1)$  ogf\_with\_Euler\_transform]  
A294692 13.9687 [  $-(-x-5)/(-x^3+3*x^2-3*x+1)$  ogf\_with\_Euler\_transform]  
A294693 4.91817 [  $-(17*x^8-80*x^7+192*x^6-274*x^5+248*x^4-145*x^3+53*x^2-11*x+1)/(2*x-1)^3/(x-1)^6$  ogf]  
A294694 6.37370 [  $(2*x^7-x^6-4*x^5+16*x^4-24*x^3+19*x^2-7*x+1)/(x^2-3*x+1)/(2*x-1)/(x-1)^3$  ogf]  
A294695 4.73128 [  $-(3*x^8-30*x^7+104*x^6-183*x^5+195*x^4-129*x^3+51*x^2-11*x+1)/(2*x-1)/(x^2-3*x+1)^2/(x-1)^4$  ogf]  
A294697 7.18357 [  $-(2*x-1)*(4*x^4-9*x^3+12*x^2-6*x+1)/(3*x-1)/(x^2-3*x+1)/(x-1)^3$  ogf]  
A294698 3.90765 [  $-(17*x^9-95*x^8+269*x^7-463*x^6+521*x^5-393*x^4+198*x^3-64*x^2+12*x-1)/(2*x-1)^3/(x-1)^7$  ogf]  
A294700 5.97452 [  $-(6*x^6-30*x^5+50*x^4-48*x^3+27*x^2-8*x+1)/(2*x-1)^2/(x-1)^5$  ogf]  
A294701 7.68348 [  $(2*x^6-8*x^4+14*x^3-14*x^2+6*x-1)/(2*x-1)^2/(x-1)^3$  ogf]  
A294702 6.37493 [  $-(10*x^6-38*x^5+64*x^4-62*x^3+33*x^2-9*x+1)/(x^2-3*x+1)/(2*x-1)^2/(x-1)^3$  ogf]  
A294705 5.14005 [  $(10*x^7+34*x^6-78*x^5+98*x^4-75*x^3+35*x^2-9*x+1)/(2*x-1)^2/(x-1)^6$  ogf]  
A294708 6.02005 [  $-(2*x^{10}-6*x^9+6*x^8+4*x^7+4*x^6+8*x^5+6*x^4-4*x^3+7*x^2-4*x+1)/(x-1)^5$  ogf]  
A294709 7.69305 [  $-(2*x^5+30*x^4+7*x^3+11*x^2-3*x+1)/(2*x^6+8*x^5-21*x^4+22*x^3-16*x^2+6*x-1)$  lgdogf]  
A294709 7.82684 [  $(2*x^5+10*x^4-11*x^3+11*x^2-5*x+1)/(x-1)^6$  ogf]  
A294718 5.61754 [  $-(4*x^9-11*x^8+10*x^7+2*x^6-7*x^5+21*x^4-22*x^3+16*x^2-6*x+1)/(x-1)^7$  ogf]

A294719 6.59272 [  $-(x^7-13x^5+25x^4-29x^3+20x^2-7x+1)/(x^2-3x+1)/(x-1)^5$  ogf ]  
A294725 6.93856 [  $-(2x^6-6x^5+21x^4-22x^3+16x^2-6x+1)/(x-1)^7$  ogf ]  
A294726 4.84443 [  $-(2x^8-10x^7+40x^6-70x^5+81x^4-60x^3+29x^2-8x+1)/(x-1)^9$  ogf ]  
A294732 11.5045 [  $-(-x^3-5x^2-4x-2)/(-x^5-x^2+x+1)$  lgdogf ]  
A294732 13.5791 [  $(x^3+x+1)/(x+1)/(x-1)^2$  ogf ]  
A294732 6.27518 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5\}$ , ogf ]  
A294749 8.14955 [  $-(x^8+4x^6-x^5+6x^4+4x^2-x+1)/(x^{12}-3x^8+3x^4-1)$  ogf\_with\_Euler\_transform ]  
A294750 13.3577 [  $-(-x^2-1)/(-x^6+3x^4-3x^2+1)$  ogf\_with\_Euler\_transform ]  
A294762 5.16532 [  $-(4x^8-2x^7-17x^6+25x^5-43x^4+38x^3-22x^2+7x-1)/(x-1)^8$  ogf ]  
A294763 4.34146 [  $-(x^{10}-15x^8+55x^7-111x^6+149x^5-141x^4+89x^3-37x^2+9x-1)/(x-1)^{10}$  ogf ]  
A294764 6.85639 [  $-(-x^5-6x^4+10x^3-13x^2+5x-1)/(-2x^7+9x^6-23x^5+36x^4-37x^3+24x^2-8x+1)$  lgdogf ]  
A294764 7.02362 [  $(x^3-2x^2+3x-1)^2/(2x^3-3x^2+4x-1)/(x-1)^3$  ogf ]  
A294765 4.34286 [  $-(2x^{10}-17x^9+66x^8-158x^7+256x^6-289x^5+230x^4-126x^3+46x^2-10x+1)/(x-1)^{11}$  ogf ]  
A294766 4.25246 [  $(x^9-26x^8+138x^7-317x^6+419x^5-350x^4+188x^3-63x^2+12x-1)/(2x-1)^4/(x-1)^5$  ogf ]  
A294767 6.91968 [  $-(5x^5-19x^4+25x^3-19x^2+7x-1)/(x-1)/(x^2-3x+1)/(3x^3-5x^2+4x-1)$  ogf ]  
A294768 5.64378 [  $(x^2-3x+1)*(x-1)^5/(4x^7-23x^6+55x^5-78x^4+66x^3-33x^2+9x-1)$  ogf ]  
A294769 9.59288 [  $(2x^4-4x^3+7x^2-5x+1)/(4x^4-9x^3+11x^2-6x+1)$  ogf ]  
A294770 5.44805 [  $-(3x^8-15x^7+40x^6-66x^5+81x^4-60x^3+29x^2-8x+1)/(x-1)^9$  ogf ]  
A294771 5.30003 [  $(x^2-3x+1)*(x-1)^6/(5x^8-31x^7+83x^6-134x^5+144x^4-99x^3+42x^2-10x+1)$  ogf ]  
A294772 5.81171 [  $-(4x^6-27x^5+55x^4-57x^3+32x^2-9x+1)/(3x-1)/(x^2-3x+1)/(x-1)^4$  ogf ]  
A294774 13.1586 [  $-(-5x^2+2x-9)/(-5x^3+11x^2-11x+5)$  lgdogf ]  
A294774 14.2372 [  $-(5x^2-6x+5)/(x-1)^3$  ogf ]  
A294774 7.68556 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 5, a(1) = 9, a(2) = 17\}$ , ogf ]  
A294777 8.93349 [  $-(x^8+3x^6-x^5+3x^4+x^2)/(x^{12}-3x^8+3x^4-1)$  ogf\_with\_Euler\_transform ]  
A294778 17.6798 [  $x^2/(-x^6+3x^4-3x^2+1)$  ogf\_with\_Euler\_transform ]  
A294779 9.05347 [  $-(2x^8+6x^6-x^5+6x^4+2x^2)/(x^{12}-3x^8+3x^4-1)$  ogf\_with\_Euler\_transform ]  
A294780 10.3079 [  $-(-2x^4-5x^3-6x^2-2x)/(-x^6+3x^4-3x^2+1)$  ogf\_with\_Euler\_transform ]  
A294781 6.18605 [  $-(x^2+1)*(x-1)^2*(x+1)^3/(x^2+2x-1)/(x^3+x^2+x-1)^2$  ogf ]  
A294782 7.53655 [  $(x^2+1)*(x-1)^3*(x+1)^3/(x^2+2x-1)/(x^3+x^2+x-1)^2$  ogf ]  
A294784 21.7404 [  $-1+\arcsin(x)+(-x^2+1)^{1/2}$  revegf ]  
A294790 3.83203 [  $\{(-4n-14)*a(n+1)+(9n+33)*a(n+2)+(-6n-24)*a(n+3)+(n+5)*a(n+4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 13\}$ , ogf ]  
A294796 5.18757 [  $-(10x^7-34x^6+78x^5-98x^4+75x^3-35x^2+9x-1)/(2x-1)^2/(x-1)^6$  ogf ]  
A294797 4.23401 [  $-(10x^9-64x^8+192x^7-367x^6+447x^5-358x^4+189x^3-63x^2+12x-1)/(x^2-3x+1)/(2x-1)^2/(x-1)^6$  ogf ]  
A294799 4.41426 [  $(4x^9-12x^8+45x^7-114x^6+176x^5-173x^4+110x^3-44x^2+10x-1)/(2x-1)^2/(x-1)^7$  ogf ]  
A294800 7.17705 [  $-(2x^6-10x^5+25x^4-29x^3+20x^2-7x+1)/(x^2-3x+1)/(x-1)^5$

ogf]  
 A294801 6.60020 [  $-(7*x^6-36*x^5+64*x^4-62*x^3+33*x^2-9*x+1)/(x^2-3*x+1)/(2*x-1)^2/(x-1)^3$  ogf]  
 A294802 9.23079 [  $-(2*x^4-3*x^3+13*x^2-5*x+1)/(-2*x^5-11*x^4+30*x^3-24*x^2+8*x-1)$  lgdogf]  
 A294802 9.41917 [  $(x^3+7*x^2-5*x+1)*(x-1)^2/(2*x-1)^4$  ogf]  
 A294803 6.20048 [  $(3*x^7-31*x^6+86*x^5-120*x^4+94*x^3-42*x^2+10*x-1)/(x-1)^3/(2*x-1)^4$  ogf]  
 A294804 8.51191 [  $-(x^6-4*x^5+23*x^4-36*x^3+25*x^2-8*x+1)/(x-1)/(2*x-1)^4$  ogf]  
 A294805 7.20300 [  $(x^6-4*x^5+12*x^4-27*x^3+23*x^2-8*x+1)/(x^2-3*x+1)^3$  ogf]  
 A294806 5.73513 [  $-(28*x^7-111*x^6+204*x^5-214*x^4+136*x^3-52*x^2+11*x-1)/(2*x-1)^4/(x-1)^4$  ogf]  
 A294807 5.26873 [  $(x^8-29*x^7+136*x^6-263*x^5+275*x^4-169*x^3+61*x^2-12*x+1)/(x^2-3*x+1)/(x-1)^2/(2*x-1)^4$  ogf]  
 A294814 5.38713 [  $(x^7-15*x^6+61*x^5-101*x^4+87*x^3-41*x^2+10*x-1)/(x^2-3*x+1)/(x-1)^2/(2*x-1)^3$  ogf]  
 A294817 7.09560 [  $-(3*x^5-19*x^4+32*x^3-24*x^2+8*x-1)/(2*x-1)/(x-1)/(x^2-3*x+1)^2$  ogf]  
 A294818 7.09310 [  $-(7*x^5-34*x^4+49*x^3-31*x^2+9*x-1)/(x^2-3*x+1)^2/(2*x-1)^2$  ogf]  
 A294836 10.5532 [  $-(3*x^4+7*x^3+12*x^2+5*x+1)/(x^6-3*x^4+3*x^2-1)$  ogf\_with\_Euler\_transform]  
 A294837 11.0139 [  $-(4*x^4+9*x^3+15*x^2+6*x+1)/(x^6-3*x^4+3*x^2-1)$  ogf\_with\_Euler\_transform]  
 A294838 10.4904 [  $-(5*x^4+11*x^3+18*x^2+7*x+1)/(x^6-3*x^4+3*x^2-1)$  ogf\_with\_Euler\_transform]  
 A294839 7.48822 [  $-(x^7+2*x^6+3*x^5+5*x^4+4*x^3+4*x^2+x+1)/(x^{10}-x^8-2*x^6+2*x^4+x^2-1)$  ogf\_with\_Euler\_transform]  
 A294842 8.79502 [  $-(2*x^5+9*x^4+14*x^3+14*x^2+5*x+1)/(-x^8+4*x^6-6*x^4+4*x^2-1)$  ogf\_with\_Euler\_transform]  
 A294843 8.41825 [  $-(3*x^5+13*x^4+19*x^3+18*x^2+6*x+1)/(-x^8+4*x^6-6*x^4+4*x^2-1)$  ogf\_with\_Euler\_transform]  
 A294844 8.78865 [  $-(4*x^5+17*x^4+24*x^3+22*x^2+7*x+1)/(-x^8+4*x^6-6*x^4+4*x^2-1)$  ogf\_with\_Euler\_transform]  
 A294845 8.95702 [  $-(5*x^5+21*x^4+29*x^3+26*x^2+8*x+1)/(-x^8+4*x^6-6*x^4+4*x^2-1)$  ogf\_with\_Euler\_transform]  
 A294846 10.6118 [  $-(x^3-3*x^2-2*x-1)/(x^6-3*x^4+3*x^2-1)$  ogf\_with\_Euler\_transform]  
 A294924 11.5730 [  $-(54*x^5+56*x^4+68*x^3+x+3)/(18*x^6-x^5-17*x^4+x^2-1)$  lgdogf]  
 A294924 17.8187 [  $(18*x^5+17*x^4+x+1)/(x-1)^2$  ogf]  
 A294958 12.5068 [  $-(-4*x^2+2*x-1)/(x^4-4*x^3+6*x^2-4*x+1)$  ogf\_with\_Euler\_transform]  
 A294959 7.79792 [  $-(4*x^6+10*x^5+17*x^4+10*x^3+2*x^2+x+1)/(-x^8+4*x^6-6*x^4+4*x^2-1)$  ogf\_with\_Euler\_transform]  
 A294972 8.38359 [  $-(x^7-x^6+4*x^5-41*x^4-127*x^3-41*x^2-4*x-1)/(x^4-16*x^2+1)/(x^4+16*x^2+1)$  ogf]  
 A294973 11.2529 [  $-(x^2-3*x-1)*(x^4+32*x^2+1)/(x^4-16*x^2+1)/(x^4+16*x^2+1)$  ogf]  
 A295045 10.1415 [  $-(x^3-2*x-3)/(x^4-x^3-x^2-2*x+1)$  ogf]  
 A295046 4.20871 [  $-(x^8+x^7-x^6+2*x^5-4*x^4-7*x^3-5*x^2+4*x+5)/(x^9-x^7+3*x^6-6*x^5-2*x^4-3*x^3+4*x^2+3*x-1)$  ogf]  
 A295054 5.66439 [  $-(x^{16}-x^{15}+x^6-x^5+x^4+x^3-4*x^2+2*x-1)/(x^2+x-1)/(x-1)^3$  ogf]  
 A295064 5.39007 [  $(x^{12}-x^{11}+x^3-x-1)/(2*x-1)/(4*x^2+2*x+1)/(x-1)^2$  ogf]  
 A295065 4.62006 [  $(x^{11}-x^{10}+x^5-3*x^4+3*x^3-x-1)/(2*x-1)/(4*x^2+2*x+1)/(x-1)^2$  ogf]  
 A295072 7.83117 [  $(x^{24}-x^{20}-x^{10}-x^4+1)/(x-1)/(x^{23}+x^{22}+x^{21}+2*x^{20}+x^{19}+x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+2*x^{10}+x^9+x^8+x^7+x^6+x^5+x^4-1)$  ogf]  
 A295073 5.47060 [  $(x-1)*(x^4+x^3+x^2+x+1)*(x^{30}+x^{29}+x^{24}+x^{20}+x^{19}+x^{14}-1)/(x^{34}+x^{31}-x^{30}+x^{25}+x^{21}-x^{20}+x^{15}-x^{14}-x^5-x+1)$  ogf]  
 A295077 8.27700 [  $-(-28*x^3+5*x^2+18*x-7)/(-14*x^4+25*x^3-11*x^2-x+1)$  lgdogf]

A295077 9.63760 [  $-x*(7*x^2-2*x-1)/(2*x-1)/(x-1)^3$  ogf]  
A295081 6.69707 [  $(x^2+x-1)*(x^{14}-x^{13}-x^2-x+1)/(x-1)/(3*x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3-x^2-2*x+1)$  ogf]  
A295086 9.14242 [  $-(-2*x^4-5*x^3-9*x^2-4*x-1)/(x^6-3*x^4+3*x^2-1)$  ogf\_with\_Euler\_transform]  
A295089 14.5702 [  $-(-5*x^2-6*x-7)/(-5*x^3+7*x^2-5*x+3)$  lgdogf]  
A295089 15.2868 [  $-(5*x^2-2*x+3)/(x-1)^3$  ogf]  
A295089 8.25215 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 3, a(1) = 7, a(2) = 17\}$ , ogf]  
A295091 8.48299 [  $-(x^4+x^3-2*x^2-3*x-2)/(x^2+x+1)/(x^3-x^2-2*x+1)$  ogf]  
A295112 12.7799 [  $-(-3*x^2-6*x+1)/(-3*x^3+x^2+3*x-1)$  lgdogf]  
A295112 4.15185 [  $\{(n+4)*a(n+4)+(-10-3*n)*a(n+3)+(4-n)*a(n+2)+(6+3*n)*a(n+1), a(0) = -1, a(1) = -1, a(2) = 1, a(3) = 5\}$ , ogf]  
A295115 4.01898 [  $-(x^9+x^8-4*x^7-10*x^6-6*x^5+5*x^4+9*x^3+8*x^2+6*x+3)/(x^{10}-5*x^8-8*x^7-x^6+7*x^5+7*x^4+5*x^3+3*x^2+x-1)$  ogf]  
A295121 8.53755 [  $-(-3*x^4-7*x^3-12*x^2-5*x-1)/(x^6-3*x^4+3*x^2-1)$  ogf\_with\_Euler\_transform]  
A295122 8.50122 [  $-(-4*x^4-9*x^3-15*x^2-6*x-1)/(x^6-3*x^4+3*x^2-1)$  ogf\_with\_Euler\_transform]  
A295123 8.85390 [  $-(-5*x^4-11*x^3-18*x^2-7*x-1)/(x^6-3*x^4+3*x^2-1)$  ogf\_with\_Euler\_transform]  
A295130 12.8283 [  $-(130*x^2+892*x+514)/(65*x^3+189*x^2-189*x-65)$  lgdogf]  
A295130 12.9993 [  $3*(65*x^2+254*x+65)/(x-1)^4$  ogf]  
A295130 4.39166 [  $\{(65*n+260)*a(n+4)+(53+189*n)*a(n+3)+(-1270-189*n)*a(n+2)+(-195-65*n)*a(n+1), a(0) = 195, a(1) = 1542, a(2) = 5193, a(3) = 12300\}$ , ogf]  
A295133 4.01829 [  $(x^9-x^8+4*x^3-7*x^2+3*x-1)/(3*x-1)/(x-1)^2$  ogf]  
A295134 3.50245 [  $(x^8-x^7+3*x^3-6*x^2+3*x-1)/(3*x-1)/(x-1)^2$  ogf]  
A295135 3.50245 [  $(x^7-x^6+2*x^3-5*x^2+3*x-1)/(3*x-1)/(x-1)^2$  ogf]  
A295136 3.91438 [  $(x^6-x^5+x^3-4*x^2+3*x-1)/(3*x-1)/(x-1)^2$  ogf]  
A295137 4.88046 [  $(x^6+3*x^2-2*x+1)/(3*x-1)/(x-1)$  ogf]  
A295140 3.81880 [  $-(x^{17}+x^{14}+x^{13}-3*x^{11}-3*x^{10}-x^9-x^8-2*x^7-x^6-x^5-2*x^4-2*x^3-x^2+2*x+1)/(x+1)/(3*x^2-1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A295143 4.72747 [  $(x^8-x^7+3*x^3-5*x^2+2*x-1)/(x^2+2*x-1)/(x-1)^2$  ogf]  
A295144 5.21366 [  $(x^{10}-x^9+2*x^3-3*x^2+x-1)/(x^2+2*x-1)/(x-1)^2$  ogf]  
A295168 11.2192 [  $-(10*x^2+2*x+1)/(5*x-1)/(2*x-1)^2$  ogf]  
A295168 6.18989 [  $\{a(n+3)-9*a(n+2)+24*a(n+1)-20*a(n), a(0) = 1, a(1) = 11, a(2) = 85\}$ , ogf]  
A295168 8.25318 [  $-(-100*x^3+90*x^2+6*x-11)/(100*x^4-50*x^3+6*x^2-5*x+1)$  lgdogf]  
A295179 14.3175 [  $-(-x^2-x-1)/(-x^3+3*x^2-3*x+1)$  ogf\_with\_Euler\_transform]  
A295180 11.0939 [  $-(4*x^4+6*x^3+7*x^2+3*x+1)/(x^6-3*x^4+3*x^2-1)$  ogf\_with\_Euler\_transform]  
A295200 7.75133 [  $-(2*x^4+x^3-3*x^2-x-1)/(2*x-1)/(x^4-x^2-1)$  ogf]  
A295247 7.57384 [  $-(x^4+x^3-x^2-3*x-4)/(x+1)/(x^4-x^3-3*x+1)$  ogf]  
A295270 3.42726 [  $-(x^9-x^7-11*x^6-17*x^5-6*x^4+13*x^3+28*x^2+19*x+7)/(x^{10}-x^9-x^8-12*x^7-9*x^6-x^5+17*x^4+20*x^3+10*x^2+2*x-1)$  ogf]  
A295286 5.61690 [  $x*(2*x^8+x^7+x^6+x^5+7*x^4+x^3+x^2+x+1)/(x^2+1)^3/(x+1)^3/(x-1)^4$  ogf]  
A295287 6.73919 [  $2*x^3*(3*x^4+x^3+x^2+x+2)/(x^2+1)^3/(x+1)^3/(x-1)^4$  ogf]  
A295288 10.7776 [  $-(-2*x^2+2*x-5)/(-2*x^3+3*x^2-3*x+1)$  lgdogf]  
A295288 11.1252 [  $-(x^2-x+1)/(2*x-1)^3$  ogf]  
A295288 6.05057 [  $\{a(n+3)-6*a(n+2)+12*a(n+1)-8*a(n), a(0) = 1, a(1) = 5, a(2) = 19\}$ , ogf]  
A295292 5.79767 [  $x*(3*x^7+3*x^6-x^5+5*x^4+3*x^3+3*x^2-x+1)/(x^2+1)^3/(x+1)^3/(x-1)^4$  ogf]  
A295293 6.08705 [  $2*x^2*(x^7-x^6+2*x^5+2*x^4+2*x^3+x+1)/(x^2+1)^3/(x+1)^3/(x-1)^4$  ogf]  
A295317 5.35453 [  $x^2*(x^8+x^7+x^6+x^5+7*x^4+x^3+x^2+x+2)/(x^2+1)^3/(x+1)^3/(x-1)^4$  ogf]  
A295318 6.87245 [  $2*x^4*(2*x^4+x^3+x^2+x+3)/(x^2+1)^3/(x+1)^3/(x-1)^4$  ogf]

A295319 10.8513 [  $-45*(100*x^2+11*x+1)/(1000*x^2-1)$  ogf]  
A295319 6.69551 [  $\{-a(n+3)+1000*a(n+1), a(0) = 45, a(1) = 495, a(2) = 49500\}$ , ogf]  
A295319 6.84107 [  $-(11000*x^2+2200*x+11)/(100000*x^4+11000*x^3+900*x^2-11*x-1)$  lgdogf]  
A295320 5.67931 [  $x^3*(x^7-x^6+3*x^5+3*x^4+5*x^3-x^2+3*x+3)/(x^2+1)^3/(x+1)^3/(x-1)^4$  ogf]  
A295321 6.02881 [  $2*x^2*(x^7+x^6+2*x^4+2*x^3+2*x^2-x+1)/(x^2+1)^3/(x+1)^3/(x-1)^4$  ogf]  
A295333 11.6691 [  $-(x^5-x^4+2*x^3+3*x^2+2*x+1)/(x^6+6*x^3-1)$  ogf]  
A295334 12.5966 [  $-(x^4-x^3+2*x^2+x+1)/(x^6+6*x^3-1)$  ogf]  
A295336 6.33448 [  $-(x^7-x^6+2*x^5-13*x^4-15*x^3-13*x^2-2*x-1)/(x^8-30*x^4+1)$  ogf]  
A295337 7.14616 [  $-(x^2-x-1)*(x^4+8*x^2+1)/(x^8-30*x^4+1)$  ogf]  
A295340 10.9094 [  $-(-2*x^3-6*x^2-39*x-13)/(-2*x^4-2*x^3-9*x^2+2*x+11)$  lgdogf]  
A295340 14.6045 [  $(2*x^2+2*x+1)/(x+1)/(x-1)^2$  ogf]  
A295340 7.87372 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 11, a(1) = 13, a(2) = 26\}$ , ogf]  
A295346 7.15871 [  $-(x^5-5*x^3-3*x^2-4*x+3)/(x^2-3*x+1)/(x^4+2*x^3+x^2+x-1)$  ogf]  
A295363 4.51324 [  $(13*x^13-17*x^12-7*x^11+11*x^10+4*x^5-8*x^4+x^3+5*x^2-x+1)/(x^2+x-1)/(x-1)^3$  ogf]  
A295367 5.28361 [  $(16*x^16-20*x^15-10*x^14+14*x^13+5*x^4-14*x^3+12*x^2-2*x+1)/(x^2+x-1)/(x-1)^3$  ogf]  
A295374 3.60133 [  $-(x^9+2*x^8-x^7+3*x^6+x^5-11*x^4-5*x^3-3*x^2+4*x+5)/(x^10+x^9-2*x^8+5*x^7-3*x^6-8*x^5+x^4-3*x^3+4*x^2+3*x-1)$  ogf]  
A295382 16.4861 [  $(-x-1)/(-x^2+2*x-1)$  lgdegf]  
A295382 5.57277 [  $\{(n^2+4*n+4)*a(n+1)+(-2*n-3)*a(n+2)+a(n+3), a(0) = 1, a(1) = -1, a(2) = -2\}$ , ogf]  
A295383 5.49697 [  $\{(-16*n^2-48*n-36)*a(n+1)+(-n-2)*a(n+2), a(0) = 1, a(1) = -4\}$ , ogf]  
A295388 7.83877 [  $(x^6+2*x^5+5*x^4+8*x^3+35*x^2+14*x+7)/(x-1)^4/(x+1)^4$  ogf]  
A295411 4.21468 [  $-(22*x^7+50*x^6-11*x^5-67*x^4-18*x^3-18*x^2-12*x-4)/(22*x^8+34*x^7-33*x^6-49*x^5-3*x^4-28*x^3-6*x+1)$  ogf]  
A295420 5.15866 [  $-(x-1)*(3*x^7+7*x^6+3*x^5+11*x^4+5*x^3+25*x^2+9*x+1)/(x^3+x^2-x+1)/(x^3+x^2+3*x-1)/(x^3-x^2-x-1)$  ogf]  
A295432 2.91201 [  $\{(124416*n^4+746496*n^3+1657152*n^2+1612224*n+579462)*a(n+1)+(-72*n^4-468*n^3-1126*n^2-1187*n-462)*a(n+2), a(0) = 1, a(1) = 462\}$ , ogf]  
A295473 24.6217 [  $-9*x/(x-1)$  egf]  
A295473 29.7512 [  $1/(-x+1)$  lgdegf]  
A295473 9.03835 [  $\{(-n-1)*a(n)+a(n+1), a(0) = 0, a(1) = 9\}$ , ogf]  
A295518 4.04130 [  $\{(2*n+4)*a(n+1)+(-3*n-9)*a(n+2)+(n+6)*a(n+3)-a(n+4), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 14\}$ , ogf]  
A295519 3.72291 [  $\{(3*n+6)*a(n+1)+(-4*n-12)*a(n+2)+(n+7)*a(n+3)-a(n+4), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 22\}$ , ogf]  
A295525 6.83878 [  $-(x^5+2*x^4+x^3-5*x^2-6*x-2)/(x^6+x^5-5*x^3-2*x^2-2*x+1)$  ogf]  
A295541 6.55473 [  $\{(81*n^2-9)*a(n)+(-90*n^2-135*n-45)*a(n+1)+(-7*n^2-21*n-14)*a(n+2), a(0) = 1, a(1) = -1, a(2) = 3\}$ , ogf]  
A295619 10.3480 [  $-(3*x^3+2*x^2-x-1)/(2*x^2-1)/(x^2+x-1)$  ogf]  
A295622 8.25641 [  $-(3*x^4+6*x^3-20*x^2-26*x-11)/(x^5+x^4-6*x^3-4*x^2+5*x+3)$  lgdogf]  
A295622 8.78909 [  $-(x^3+x^2-5*x-3)/(x+1)^2/(x-1)^4$  ogf]  
A295643 10.4923 [  $-x^4*(x^4+1)/(x^2+1)^2/(x+1)^2/(x-1)^3$  ogf]  
A295643 27.7514 [  $-x^7+3*x^3+1$  ogf\_with\_Euler\_transform]  
A295643 8.68720 [  $-(-5*x^7-x^6-x^5-x^4-13*x^3-x^2-x-1)/(-x^8+1)$  lgdogf]  
A295671 14.1638 [  $(3*x^3-1)/(x^2+1)/(x^2+x-1)$  ogf]  
A295671 6.51078 [  $\{-a(n+4)+a(n+3)+a(n+1)+a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = -1\}$ , ogf]  
A295671 8.68104 [  $-(3*x^6-10*x^3+6*x^2-1)/(3*x^7+3*x^6+2*x^4-4*x^3-x+1)$  lgdogf]  
A295672 13.8754 [  $(4*x^3-1)/(x^2+1)/(x^2+x-1)$  ogf]  
A295672 8.50426 [  $-(4*x^6-12*x^3+9*x^2-1)/(4*x^7+4*x^6+3*x^4-5*x^3-x+1)$  lgdogf]  
A295673 11.4685 [  $(5*x-4)*(x^2+x+1)/(x^2+1)/(x^2+x-1)$  ogf]

A295674 11.3345 [  $-(3x^3+2x^2+x+1)/(x^2+1)/(x^2+x-1)$  ogf]  
A295675 12.0756 [  $(5x^3-x^2-1)/(x^2+1)/(x^2+x-1)$  ogf]  
A295676 12.1516 [  $(7x^3-2x^2-1)/(x^2+1)/(x^2+x-1)$  ogf]  
A295677 12.3631 [  $(8x^3-3x^2-1)/(x^2+1)/(x^2+x-1)$  ogf]  
A295678 11.8686 [  $-(x^3-x^2+x+1)/(x^2+1)/(x^2+x-1)$  ogf]  
A295678 7.58269 [  $-(-x^6+2x^5-2x^4-4x^3-7x^2+2x-2)/(-x^7-3x^4+x^3-2x^2+1)$  lgdogf]  
A295680 11.5230 [  $-(-4x^3-3x^2-1)/(-x^4-x^3-x+1)$  lgdogf]  
A295680 17.4125 [  $-2x^3/(x^2+1)/(x^2+x-1)$  ogf]  
A295681 12.5119 [  $-x(2x^2-x+1)/(x^2+1)/(x^2+x-1)$  ogf]  
A295681 6.66616 [  $\{a(n+4)-a(n+3)-a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 2\}$ , ogf]  
A295681 8.13272 [  $-(4x^5-x^4+2x^3+x^2+4x)/(2x^6+x^5+3x^3-3x^2+2x-1)$  lgdogf]  
A295682 12.5119 [  $-x(x^2-2x+2)/(x^2+1)/(x^2+x-1)$  ogf]  
A295682 6.66616 [  $\{a(n+4)-a(n+3)-a(n+1)-a(n), a(0) = 0, a(1) = 2, a(2) = 0, a(3) = 1\}$ , ogf]  
A295682 8.13272 [  $-(-2x^5+5x^4-4x^3-5x^2-2x)/(-x^6+x^5-3x^3+3x^2-4x+2)$  lgdogf]  
A295683 11.8404 [  $(x^3+x^2+x-2)/(x^2+1)/(x^2+x-1)$  ogf]  
A295684 11.7866 [  $(2x^3-x^2+2x-2)/(x^2+1)/(x^2+x-1)$  ogf]  
A295685 12.9413 [  $(2x^3+x-2)/(x^2+1)/(x^2+x-1)$  ogf]  
A295686 11.6547 [  $(3x^3-x^2+x-2)/(x^2+1)/(x^2+x-1)$  ogf]  
A295687 13.2437 [  $(x-1)(2x^2+2x+1)/(x^2+1)/(x^2+x-1)$  ogf]  
A295687 7.69395 [  $-(-2x^6+3x^4+10x^3-3x^2+2)/(-2x^7-2x^6+x^5+3x^3+x^2-1)$  lgdogf]  
A295688 13.0018 [  $(x+2)(x-1)/(x^2+1)/(x^2+x-1)$  ogf]  
A295688 7.62605 [  $-(2x^5+4x^4-6x^3-7x^2+2x-1)/(x^6+2x^5-x^4-x^3-3x+2)$  lgdogf]  
A295689 11.8942 [  $(3x^3-2x^2+2x-2)/(x^2+1)/(x^2+x-1)$  ogf]  
A295690 12.4287 [  $(2x^3+x^2-2)/(x^2+1)/(x^2+x-1)$  ogf]  
A295691 14.2378 [  $(3x^3-2)/(x^2+1)/(x^2+x-1)$  ogf]  
A295691 6.54479 [  $\{a(n+4)-a(n+3)-a(n+1)-a(n), a(0) = 2, a(1) = 2, a(2) = 2, a(3) = 1\}$ , ogf]  
A295691 8.72639 [  $-(-3x^6+14x^3-3x^2+2)/(-3x^7-3x^6-x^4+5x^3+2x-2)$  lgdogf]  
A295717 10.3459 [  $-(5x^3+x^2-2x-1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295718 10.4655 [  $-(6x^3+2x^2-2x-1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295719 11.4607 [  $-(x-1)(3x^2+3x+1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295720 10.2386 [  $-(3x^3-2x^2-3x-1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295721 10.2986 [  $-(7x^3-4x^2-3x+1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295722 10.8822 [  $(2x^3+6x^2-1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295723 11.0911 [  $-x(2x+1)(x-1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295723 7.36043 [  $-(-8x^5+2x^4+12x^3+x^2-2x-2)/(-4x^6-2x^5+10x^4+x^3-6x^2+1)$  lgdogf]  
A295724 11.7340 [  $x^2(x+1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295724 8.70588 [  $-(-6x^4-12x^3-3x^2+6x+2)/(-2x^5-4x^4+x^3+4x^2-1)$  lgdogf]  
A295725 11.3022 [  $x^2(2x-1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295725 8.66500 [  $-((12x^4-12x^2+6x-1)/(4x^5+2x^4-8x^3+x^2+3x-1)$  lgdogf]  
A295726 10.8131 [  $x(x+1)(3x-1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295726 7.58997 [  $-(-12x^5-18x^4+9x^2+1)/(-6x^6-10x^5+7x^4+11x^3-4x^2-3x+1)$  lgdogf]  
A295727 10.3959 [  $-(5x^3-3x^2-2x+1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295728 10.5625 [  $(5x^3-x^2-2x+1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295729 10.0624 [  $-(2x^3-4x^2-x+1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295730 10.4197 [  $-(x^3-3x^2-x+1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295731 10.9626 [  $(2x^3+4x^2-1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295732 10.8629 [  $(3x^3+3x^2-1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295733 12.3434 [  $x(5x^2-1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295734 11.2031 [  $x^2(3x-1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295734 8.49463 [  $-((18x^4+4x^3-15x^2+6x-2)/(6x^5+4x^4-11x^3+4x-1)$  lgdogf]  
A295735 10.6636 [  $x(4x^2+x-1)/(2x^2-1)/(x^2+x-1)$  ogf]

A295735 5.56031 [  $\{-a(n+4)+a(n+3)+3a(n+2)-2a(n+1)-2a(n), a(0) = 0, a(1) = -1, a(2) = 0, a(3) = 1\}$ , ogf]  
A295736 10.3331 [  $(11x^3-3x^2-3x+1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295737 10.3722 [  $(8x^3-3x^2-2x+1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295774 10.7502 [[4-2\*x] ogf\_with\_Euler\_transform]  
A295774 4.31736 [  $(x+1)^2/(x-1)^2$  ogf]  
A295774 7.15062 [4/(-x^2+1) lgdogf]  
A295776 6.86869 [  $-(2x^4-x^3+3x^2+9x+5)/(2x^5-3x^4+6x^3+3x^2+2x-1)$  ogf]  
A295777 3.47945 [  $-(x+1)*(2x^8-2x^7-7x^6+92x^5-29x^4+20x^3+55x^2-9x-8)/(2x^{10}-2x^9-7x^8+92x^7-29x^6+20x^5+58x^4-6x^3-6x^2-4x+1)$  ogf]  
A295821 11.3084 [  $-(8x^2+10x+6)/(-x^5+x^4+6x^3-5x-1)$  lgdogf]  
A295821 11.7930 [  $-2*(x^3-x^2-5x-1)/(x+1)/(x-1)^2$  ogf]  
A295821 6.11489 [  $\{-a(n+4)+a(n+3)+a(n+2)-a(n+1), a(0) = 2, a(1) = 12, a(2) = 16, a(3) = 24\}$ , ogf]  
A295822 9.82999 [  $-2*(x^5-7x^3-11x^2-8x-1)/(x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A295828 16.1580 [  $-(-6x-2)/(-x^3+3x^2-3x+1)$  ogf\_with\_Euler\_transform]  
A295831 11.4927 [  $-(-x^5-x^4-x^3-2x^2-x-1)/(x^8-2x^4+1)$  ogf\_with\_Euler\_transform]  
A295832 12.0627 [  $-(x^5+x^4+2x^3+2x^2+1)/(-x^8+2x^4-1)$  ogf\_with\_Euler\_transform]  
A295838 4.07918 [  $\{a(n+2)-257a(n+1)+256a(n), a(0) = 0, a(1) = 126\}$ , ogf]  
A295838 8.25323 [  $126x/(256x-1)/(x-1)$  ogf]  
A295841 8.97035 [  $-(2x+1)*(4x^2-x-2)/(8x^4-6x^3+x^2-3x+1)$  ogf]  
A295842 4.02832 [  $-(2x^8+7x^7+11x^6-3x^4-26x^3-16x^2+13x+4)/(2x^9+5x^8+6x^7-6x^6+3x^5-30x^4+12x^3+x^2+4x-1)$  ogf]  
A295850 11.6278 [  $-x^2*(x-2)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295850 8.10424 [  $-(-6x^4+12x^3+15x^2-12x-1)/(-2x^5+2x^4+7x^3-5x^2-3x+2)$  lgdogf]  
A295851 10.9626 [  $x*(2x^2+3x-1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295852 12.0549 [  $(6x^2-1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295853 10.2231 [  $-(2x+1)*(x^2-5x+2)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295854 10.8328 [  $(x^3+10x^2-2)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295855 10.5821 [  $(7x^3+x^2-3x+1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295856 11.2291 [  $-x^2*(2x-3)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295856 7.67136 [  $-(12x^4-16x^3-24x^2+18x+1)/(4x^5-2x^4-12x^3+7x^2+5x-3)$  lgdogf]  
A295857 11.5454 [  $x^2*(x+2)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295857 8.12890 [  $-(-6x^4-20x^3-9x^2+12x+3)/(-2x^5-6x^4-x^3+7x^2+x-2)$  lgdogf]  
A295858 10.1569 [  $-(3x^3-6x^2-2x+2)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295859 10.2986 [  $-(4x^3-7x^2-2x+2)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295860 10.1818 [  $-(x-1)*(3x+2)*(2x-1)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295861 11.1991 [  $(7x^2+x-2)/(2x^2-1)/(x^2+x-1)$  ogf]  
A295867 4.83435 [  $3x*(x^{13}+3x^{12}+8x^{11}+33x^{10}+25x^9+39x^8+35x^7+45x^6+72x^5+23x^4+20x^3+10x^2+7x+3)/(x^4+x^3+x^2+x+1)^3/(x-1)^4$  ogf]  
A295869 9.90079 [  $(x^4+18x^3+18x^2+36x+17)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A295873 8.34809 [  $-(x^2-3x+1)^2/(x-1)/(x^4-4x^3+10x^2-6x+1)$  ogf]  
A295903 5.54182 [  $-(4x^7-92x^6-113x^5+24x^4+95x^3-20x^2-4x-2)/(2x-1)^2/(x+1)^2/(x-1)^4$  ogf]  
A295904 12.6325 [  $-2*(x^2-6x+3)/(x-1)^2/(2x-1)$  ogf]  
A295904 6.87033 [  $\{a(n+3)-4a(n+2)+5a(n+1)-2a(n), a(0) = 6, a(1) = 12, a(2) = 20\}$ , ogf]  
A295904 9.21433 [  $-(-2x^3+22x^2-22x+6)/(-2x^4+15x^3-25x^2+15x-3)$  lgdogf]  
A295905 13.1386 [  $-(-9x^2-16x-5)/(-9x^3+10x^2-3x+2)$  lgdogf]  
A295905 14.2156 [  $-(9x^2-x+2)/(x-1)^3$  ogf]  
A295905 7.67388 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 2, a(1) = 5, a(2) = 18\}$ , ogf]  
A295906 13.2940 [  $-(4x^2+18x+8)/(4x^3+x^2-4x-1)$  lgdogf]  
A295906 13.9373 [  $-2*(x+1)*(4x+1)/(x-1)^3$  ogf]  
A295906 7.57993 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 2, a(1) = 16, a(2) =$

50}], ogf]

A295909 7.35653 [  $-2*(2*x^5-2*x^4-3*x^3+x^2-1)/(2*x+1)/(2*x-1)/(x+1)/(x-1)^3$  ogf]

A295910 7.30956 [  $-(4*x^5-4*x^4-5*x^3+4*x^2-x-4)/(2*x+1)/(2*x-1)/(x+1)/(x-1)^3$  ogf]

A295911 10.2397 [  $-(-21*x^2+48*x-25)/(-21*x^3+52*x^2-39*x+8)$  lgdogf]

A295911 15.9285 [  $-(7*x-8)/(3*x-1)/(x-1)$  ogf]

A295911 8.63593 [  $\{-a(n+2)+4*a(n+1)-3*a(n), a(0) = 8, a(1) = 25\}$ , ogf]

A295913 9.96317 [  $-(2*x^3+2*x^2-3*x-5)/(2*x^4-3*x^2-2*x+1)$  ogf]

A295914 5.98594 [  $-(x^5-3*x^4-7*x^3+3*x^2+12*x+8)/(x+1)/(x^5-5*x^4+2*x^3+4*x^2+3*x-1)$  ogf]

A295921 5.25470 [  $\{-a(n+5)+5*a(n+4)-8*a(n+3)+4*a(n+2), a(0) = 4, a(1) = 16, a(2) = 25, a(3) = 57, a(4) = 129\}$ , ogf]

A295921 9.78688 [  $(20*x^4-44*x^3+23*x^2+4*x-4)/(x-1)/(2*x-1)^2$  ogf]

A295922 5.79910 [  $-(96*x^5-236*x^4+223*x^3-100*x^2+22*x-2)/(4*x-1)/(x-1)/(2*x-1)^4$  ogf]

A295925 4.18065 [  $-3*(x+1)*(7*x^4+82*x^3+237*x^2+92*x+2)/(x-1)^9$  ogf]

A295926 10.8203 [  $(32*x^3-148*x^2+184*x-69)/(x-1)/(2*x-1)^2$  ogf]

A295926 5.83827 [  $\{a(n+4)-5*a(n+3)+8*a(n+2)-4*a(n+1), a(0) = 69, a(1) = 161, a(2) = 401, a(3) = 961\}$ , ogf]

A295926 7.65584 [  $-(-168*x^3+492*x^2-486*x+161)/(64*x^5-392*x^4+844*x^3-838*x^2+391*x-69)$  lgdogf]

A295932 11.4510 [  $-(48*x^2-51*x+17)/(x-1)/(3*x-1)/(8*x-1)$  ogf]

A295932 6.13775 [  $-(1152*x^4-2448*x^3+2433*x^2-1094*x+153)/(1152*x^5-2904*x^4+2769*x^3-1255*x^2+255*x-17)$  lgdogf]

A295932 6.34065 [  $\{a(n+3)-12*a(n+2)+35*a(n+1)-24*a(n), a(0) = 17, a(1) = 153, a(2) = 1289\}$ , ogf]

A295933 14.1599 [  $-(x^2+12*x-8)/(3*x-1)/(x-1)$  ogf]

A295933 7.35226 [  $\{a(n+3)-4*a(n+2)+3*a(n+1), a(0) = 8, a(1) = 20, a(2) = 55\}$ , ogf]

A295933 9.80301 [  $-(-40*x^2+50*x-20)/(-3*x^4-32*x^3+71*x^2-44*x+8)$  lgdogf]

A295937 6.26698 [  $-(4*x^5+8*x^4+8*x^3-5*x^2-6*x-2)/(4*x^6+4*x^5+4*x^4-9*x^3-x^2-x+1)$  ogf]

A295938 4.01884 [  $-(10*x^8+15*x^7-8*x^6-49*x^5-51*x^4-20*x^3+17*x^2+12*x+3)/(10*x^9+5*x^8-13*x^7-36*x^6-19*x^5+x^4+18*x^3+3*x^2+x-1)$  ogf]

A295979 5.72369 [  $-(4*x^5+8*x^4+14*x^3+x^2-3*x-1)/(4*x^6+4*x^5+10*x^4-9*x^3+2*x^2-3*x+1)$  ogf]

A295980 3.33670 [  $-(x^9+15*x^8+18*x^7+38*x^6-2*x^5-42*x^4-57*x^3-14*x^2+11*x+1)/(x^10+14*x^9+4*x^8+33*x^7-34*x^6-12*x^5-44*x^4+21*x^3-2*x^2+4*x-1)$  ogf]

A295986 7.91368 [  $-(64*x^6-112*x^5+64*x^4-17*x^2+7*x-1)/(2*x-1)^4$  ogf]

A296000 8.54772 [  $(x+1)*(x-1)^2/(x^9-x^8+x^3+x^2-4*x+1)$  ogf]

A296001 9.40582 [  $-(x-1)^3/(x^9-x^8+3*x^2-5*x+1)$  ogf]

A296003 9.73695 [  $2*(x+1)*(x-1)^2/(x^9-x^8+x^4-3*x+1)$  ogf]

A296005 9.86844 [  $(x+2)*(x-1)^2/(x^10-x^9+2*x^3-x^2-3*x+1)$  ogf]

A296014 3.72354 [  $-(x^9+8*x^8+13*x^7+7*x^6-26*x^5-35*x^4-11*x^3+8*x^2+10*x+3)/(x^10+7*x^9+6*x^8+x^7-27*x^6-11*x^5-3*x^4+11*x^3+3*x^2+x-1)$  ogf]

A296033 9.45269 [  $-(4*x^4+4*x^3+6*x^2+4*x+1)/(4*x^5+6*x^3+x-1)$  ogf]

A296034 3.57884 [  $-(2*x^10+5*x^9-6*x^8-28*x^7-19*x^6+25*x^5+34*x^4+14*x^3-8*x^2-9*x-1)/(2*x^11+3*x^10-9*x^9-19*x^8+23*x^6+12*x^5+7*x^4-11*x^3-x^2-2*x+1)$  ogf]

A296046 23.9181 [  $1/(-x^3-x^2+x+1)$  ogf\_with\_Euler\_transform]

A296047 7.94546 [  $-(-x^4-x^2+x-1)/(-x^7-x^6-x^5-x^4+x^3+x^2+x+1)$  ogf\_with\_Euler\_transform]

A296063 10.3287 [  $-(x^2+1)/(x-1)/(x+1)^2$  ogf]

A296063 20.2015 [  $[-x^3+3*x-1]$  ogf\_with\_Euler\_transform]

A296063 5.25656 [  $\{a(n+3)+a(n+2)-a(n+1)-a(n), a(0) = 1, a(1) = -1, a(2) = 3\}$ , ogf]

A296063 9.81225 [  $-(x^3-x^2+5*x-1)/(x^4-1)$  lgdogf]

A296064 7.21956 [  $-x*(2*x^4-x^3-4*x^2+3*x+2)/(x-1)/(x+1)^2$  ogf]

A296065 5.67271 [  $x*(2*x^4-x^3-4*x^2+3*x+2)/(x-1)^2/(x+1)^2$  ogf]

A296066 12.3440 [  $x*(x^2-x-1)/(x-1)/(x+1)$  ogf]



A296066 6.95994 [ {a(n+4)-a(n+2), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 0}, ogf ]  
A296066 9.62109 [ -(x^2-1)/(x^4-x^3-2\*x^2+x+1) lgdogf ]  
A296069 7.40141 [ x\*(2\*x^4+x^3-4\*x^2-3\*x-2)/(x-1)/(x+1)^2 ogf ]  
A296070 9.62436 [ -x\*(2\*x^4+x^3-4\*x^2-3\*x-2)/(x-1)^2/(x+1)^2 ogf ]  
A296086 12.8977 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 2}, ogf ]  
A296086 32.0488 [ 1/(x-1)^2 ogf ]  
A296086 37.7718 [ 2/(-x+1) lgdogf ]  
A296086 81.1285 [ [2] ogf\_with\_Euler\_transform ]  
A296102 6.02172 [ -(9\*x^8+8\*x^7-24\*x^5-50\*x^4+8\*x^3-12\*x^2-3)/(x^3+x^2-x+1)/(x^3+x^2+3\*x-1)/(x^3-x^2-x-1) ogf ]  
A296109 6.27484 [ -(4\*x^5+10\*x^4+8\*x^3+x^2-x-1)/(4\*x^6+6\*x^5+2\*x^4-5\*x^3-2\*x^2-x+1) ogf ]  
A296124 4.45624 [ -(x+1)\*(x^7-x^6-x^5-3\*x^4+15\*x^3+19\*x^2-9\*x-1)/(x^9-x^8-x^7-3\*x^6+14\*x^5+18\*x^4-5\*x^3-x^2-3\*x+1) ogf ]  
A296141 8.69803 [ -x^2\*(x^3+x^2-x+1)/(x^2+1)^2/(x-1)^3 ogf ]  
A296159 8.69803 [ -x^3\*(x^3-x^2+x+1)/(x^2+1)^2/(x+1)^2/(x-1)^3 ogf ]  
A296160 8.12088 [ -x^3\*(x^4+x^3+x^2+x+2)/(x^2+1)^2/(x+1)^2/(x-1)^3 ogf ]  
A296161 8.41955 [ -x\*(2\*x^4+x^3+x^2+x+1)/(x^2+1)^2/(x+1)^2/(x-1)^3 ogf ]  
A296185 16.6813 [ -(x+15)/(x^2+6\*x-7) lgdogf ]  
A296185 17.0289 [ 16\*(x+7)/(x-1)^2 ogf ]  
A296185 9.50448 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 112, a(1) = 240}, ogf ]  
A296189 6.59004 [ -16\*x\*(576\*x^3-372\*x^2+83\*x-5)/(16\*x-1)/(12\*x-1)/(4\*x-1)^2 ogf ]  
A296193 4.78534 [ x\*(4320\*x^9-576\*x^8-6162\*x^7+650\*x^6+1845\*x^5-660\*x^4-288\*x^3+45\*x^2+15\*x+1)/(x-1)/(4\*x-1)/(3\*x-1)/(2\*x+1)/(2\*x-1)/(3\*x+1)/(4\*x+1)/(x+1) ogf ]  
A296196 10.3111 [ 2\*x\*(x^2-x-3)/(x-1)^5 ogf ]  
A296196 13.1665 [ -(-3\*x^2+2\*x+16)/(-x^3+2\*x^2+2\*x-3) lgdogf ]  
A296196 4.32232 [ {(-9-3\*n)\*a(n+4)+(20+2\*n)\*a(n+3)+(2\*n+4)\*a(n+2)+(-3-n)\*a(n+1), a(0) = 0, a(1) = 6, a(2) = 32, a(3) = 98}, ogf ]  
A296197 10.1558 [ x\*(x+2)\*(x^2-2\*x-1)/(x+1)/(x-1)^5 ogf ]  
A296197 9.03978 [ -(-3\*x^4-4\*x^3+22\*x^2+32\*x+13)/(-x^5+6\*x^3+2\*x^2-5\*x-2) lgdogf ]  
A296198 6.88809 [ x\*(x^5-3\*x^3-3\*x^2-6\*x-1)/(x+1)^3/(x-1)^5 ogf ]  
A296200 7.34392 [ (2\*x^4-x^3-9\*x^2-3\*x-1)/(x+1)^3/(x-1)^5 ogf ]  
A296221 10.3794 [ -(x-1)/(x^10-x^9+x^3+x^2-4\*x+1) ogf ]  
A296223 8.47106 [ (x-1)\*(2\*x^2-1)/(x^8-x^7+x^3+x^2-4\*x+1) ogf ]  
A296225 9.27939 [ (x^2-x+1)/(x^11-x^10+x^3+x^2-4\*x+1) ogf ]  
A296227 10.3564 [ (x^2-3\*x+1)/(x^7-x^6+3\*x^2-5\*x+1) ogf ]  
A296253 6.27741 [ (27\*x^14-56\*x^13+29\*x^12+7\*x^5-15\*x^4+6\*x^3+3\*x^2+1)/(x^2+x-1)/(x-1)^3 ogf ]  
A296255 6.08719 [ (29\*x^15-60\*x^14+31\*x^13+7\*x^5-14\*x^4+2\*x^3+9\*x^2-4\*x+2)/(x^2+x-1)/(x-1)^3 ogf ]  
A296256 5.99634 [ (21\*x^11-44\*x^10+23\*x^9+12\*x^5-28\*x^4+13\*x^3+10\*x^2-8\*x+3)/(x^2+x-1)/(x-1)^3 ogf ]  
A296267 5.32125 [ (16\*x^15-33\*x^14+28\*x^13-23\*x^12+12\*x^11+5\*x^5-9\*x^4-x^3+7\*x^2-x+1)/(x^2+x-1)/(x-1)^3 ogf ]  
A296277 5.96044 [ (18\*x^17-22\*x^16-12\*x^15+16\*x^14+10\*x^5-19\*x^4+16\*x^2-8\*x+3)/(x^2+x-1)/(x-1)^3 ogf ]  
A296278 4.37064 [ {(n+7)\*a(n+1)+3\*a(n+2)+(-2\*n-11)\*a(n+3)+(n+4)\*a(n+4), a(0) = 1, a(1) = 2, a(2) = 63, a(3) = 185}, ogf ]  
A296278 7.05436 [ (23\*x^5-87\*x^4+118\*x^3-62\*x^2+3\*x-1)/(x^2+x-1)/(x-1)^4 ogf ]  
A296279 4.59541 [ {(-n-6)\*a(n)-3\*a(n+1)+(2\*n+9)\*a(n+2)+(-n-3)\*a(n+3), a(0) = 1, a(1) = 3, a(2) = 44, a(3) = 167}, ogf ]  
A296279 6.59178 [ (20\*x^6-58\*x^5+37\*x^4+32\*x^3-38\*x^2+2\*x-1)/(x^2+x-1)/(x-1)^4 ogf ]  
A296309 7.78256 [ -(2\*x^5+2\*x^4+x^3-3\*x^2-3\*x-1)/(2\*x^6+x^4-4\*x^3-x+1) ogf ]  
A296315 4.13603 [ -(x^10+x^9-3\*x^8-3\*x^7+2\*x^6-2\*x^5-4\*x^4+2\*x^3+9\*x^2+8\*x+3)/(x^3-x^2-1)/(x^8+x^7-2\*x^6-x^5+x^4-4\*x^3-5\*x^2-x+1) ogf ]  
A296322 5.13799 [ -(x^7-x^6+x^5-x^4-2\*x^3-2\*x^2-3\*x-1)/(x^2+1)/(x^6-2\*x^5+2\*x^4-2\*x^3-2\*x+1) ogf ]  
A296329 7.41683 [ -(x^4+3\*x^3+5\*x^2+5\*x+3)/(x^5+2\*x^4+3\*x^3+2\*x^2+x-1) ogf ]

A296330 4.43647 [  $-(x^8+x^7-2x^6-5x^5-5x^4+x^3+6x^2+9x+5)/(x^2+x+1)/(x^7-x^6-2x^5+2x^2+3x-1)$  ogf ]  
A296337 6.52142 [  $-(2x^{14}+x^{12}-2x^{11}-2x^{10}+4x^9-x^8-4x^7-4x^5-4x^4-4x^3-x^2-2x-1)/(x-1)^2/(x+1)^2/(x^2+x+1)^2/(x^2-x+1)^2$  ogf ]  
A296361 4.45629 [  $-2*(13x^{10}-32x^9+8x^8+35x^7-26x^6-16x^5+34x^4-10x^3-33x^2+28x+1)/(x+1)/(x^4+x^3+x^2+x+1)/(x-1)^5$  ogf ]  
A296363 11.0402 [  $-(-x^3+x^2+10x+38)/(-x^4+3x^3+7x-9)$  lgdogf ]  
A296363 4.89206 [  $\{(407n^2+1169n)*a(n)+(-430n^2+554n+2508)*a(n+1)+(23n^2-571n-594)*a(n+2), a(0) = 0, a(1) = 18\}$ , ogf ]  
A296363 9.96310 [  $-2x*(x^3-2x^2-2x-9)/(x-1)^4$  ogf ]  
A296367 8.96256 [  $4*x*(5*x^4+18*x^3+29*x^2+26*x+12)/(x+1)/(x^2+x+1)/(x-1)^4$  ogf ]  
A296368 9.03775 [  $-(x^6-x^5-2x^4-4x^2-x-1)/(x^2+1)/(x-1)^2$  ogf ]  
A296376 7.91941 [  $(3*x^4+16*x^3-127*x^2-16*x-2)/(x-1)/(x^2-16*x+1)/(x^2+16*x+1)$  ogf ]  
A296377 10.3275 [  $-(x-1)*(x^2+8*x+1)/(x^2-16*x+1)/(x^2+16*x+1)$  ogf ]  
A296380 5.52574 [  $-(x^2-x-1)*(x^5-x^4+2x^3+2x+2)/(x^8-3x^7+5x^6-6x^5+6x^4-6x^3+x^2-3x+1)$  ogf ]  
A296388 7.56786 [  $-(x^{13}-x^{11}-x^{10}-4x^9+x^8-x^7+3x^6+4x^5-2x^4-3x-1)/(x^2+1)/(x-1)^2/(x+1)^2$  ogf ]  
A296390 4.58766 [  $-(x^8+x^7-4x^6-4x^5+3x^4+x^3+x^2+4x+2)/(x^9-4x^7-x^6+4x^5-x^4+2x^3+2x^2+x-1)$  ogf ]  
A296399 4.28729 [  $-(x^8-x^7-3x^6-2x^5+x^4-5x^3-3x^2+x+1)/(x^2-3x+1)/(x^7+x^6+x^5+2x^3-1)$  ogf ]  
A296420 7.42396 [  $-(x^9+10x^8+5x^7+10x^6+5x^5+2x^4+5x^3+10x^2+5x+10)/(x-1)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)$  ogf ]  
A296515 13.7098 [  $-(-3x-3)/(-x^3+1)$  lgdogf ]  
A296515 24.0014 [  $[-x^2+3]$  ogf\_with\_Euler\_transform ]  
A296515 4.86477 [  $\{-a(n+5)+2a(n+4)-a(n+3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3, a(4) = 6\}$ , ogf ]  
A296515 9.88905 [  $x^2*(x^2+x+1)/(x-1)^2$  ogf ]  
A296518 8.18759 [  $-(2x^{13}+3x^{12}+2x^{11}-2x^{10}-x^9-9x^8-4x^7+5x^4-2x^3-2x^2-x-3)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf ]  
A296536 3.46352 [  $-(x^{11}+5x^{10}+7x^9-6x^7-4x^6-8x^5-12x^4-5x^3-7x^2-3x-1)/(x^3+x^2+1)/(x^9+3x^8-4x^6-2x^5+x^4-4x^3-2x+1)$  ogf ]  
A296550 9.54335 [  $-(x^6+x^5+2x^3+2x^2+1)/(x^7+2x^4+x-1)$  ogf ]  
A296551 6.25648 [  $-(x^9+x^8+3x^6+4x^5+x^4+3x^3+3x^2+1)/(x+1)/(x^2-x+1)/(x^7+2x^4+x^3+x-1)$  ogf ]  
A296552 4.16347 [  $-(x^{12}+x^{11}+4x^9+6x^8+2x^7+6x^6+9x^5+4x^4+5x^3+4x^2+1)/(x^{13}+4x^{10}+2x^9+6x^7+3x^6+x^5+4x^4+x-1)$  ogf ]  
A296572 4.48262 [  $-(x^8-7x^6-6x^5+3x^4+3x^3+4x^2+7x+4)/(x^9-x^8-6x^7-x^6+4x^5+x^4+3x^3+4x^2+x-1)$  ogf ]  
A296579 8.86871 [  $16*(x^5+3x^4+5x^3+8x^2+8x+7)/(x^4+x^3+x^2+x+1)/(x-1)^2$  ogf ]  
A296582 4.46315 [  $-(x^8-4x^7-7x^6-4x^5-3x^4-10x^3-8x^2+3)/(x^9-5x^8-2x^7-3x^6-8x^4-x^3+x^2+3x-1)$  ogf ]  
A296593 5.56838 [  $-(x^7+2x^6-x^4-4x^2-5x-2)/(x^8+x^7-x^6-x^4-4x^3-x^2-3x+1)$  ogf ]  
A296602 10.0869 [  $-(2x^{13}-2x^{12}+2x^9-2x^8+2x^5-2x^4+2x^3+11x^2-11x-4)/(x-1)^2$  ogf ]  
A296618 15.3912 [  $-(-1-4x)/(-4x+1)$  lgdegf ]  
A296618 4.59440 [  $\{(-4n-8)*a(n+1)+(-4n-9)*a(n+2)+a(n+3), a(0) = 1, a(1) = 1, a(2) = 9\}$ , ogf ]  
A296626 4.05515 [  $-(-3x-2)/(-2x^2+1)$  ogf\_with\_Euler\_transform ]  
A296636 10.3998 [  $x*(13x^3+11x^2+8x+7)/(x-1)^4/(x+1)^4$  ogf ]  
A296636 8.87044 [  $-(-65x^4-66x^3-95x^2-78x-8)/(-13x^5-11x^4+5x^3+4x^2+8x+7)$  lgdogf ]  
A296645 5.90530 [  $-(4x^5+16x^4+16x^3-5x^2-8x-4)/(4x^6+12x^5+4x^4-9x^3-3x^2-x+1)$  ogf ]

A296646 3.27384 [  $-(2*x^9+15*x^8+20*x^7+16*x^6-8*x^5-55*x^4-54*x^3+11*x^2+15*x+7)/(2*x^{10}+13*x^9+7*x^8+9*x^7-17*x^6-42*x^5-12*x^4+18*x^3+6*x^2+2*x-1)$  ogf]
  
A296660 16.1861 [  $-(-2-8*x)/(-4*x+1)$  lgdegf]
  
A296660 4.72586 [  $\{(-8*n-16)*a(n+1)+(-4*n-10)*a(n+2)+a(n+3), a(0) = 1, a(1) = 2, a(2) = 20\}$ , ogf]
  
A296661 3.72723 [  $\{(9*n+18)*a(n+1)-9*a(n+2)+(-n-4)*a(n+3)+a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 15\}$ , ogf]
  
A296665 4.14878 [  $\{(-16*n^2-56*n-48)*a(n+1)+(8*n^2+30*n+24)*a(n+2)+(-n^2-4*n-3)*a(n+3), a(0) = 1, a(1) = 4, a(2) = 20\}$ , ogf]
  
A296668 6.48517 [  $-(4*x^5+16*x^4+22*x^3+5*x^2-x-3)/(4*x^6+12*x^5+10*x^4-5*x^3-3*x+1)$  ogf]
  
A296682 5.92273 [  $-(4*x^5-4*x^4-6*x^3-9*x^2-6*x-2)/(4*x^6-8*x^5+2*x^4-11*x^3+x^2-3*x+1)$  ogf]
  
A296716 10.7376 [  $(x^4+16*x^3+2*x^2+4*x+7)/(x^2+1)/(x+1)/(x-1)^2$  ogf]
  
A296719 11.0221 [  $-3*(2*x^2+2*x+1)/(6*x^3+2*x^2+x-1)$  ogf]
  
A296719 5.95001 [  $\{-a(n+3)+a(n+2)+2*a(n+1)+6*a(n), a(0) = 3, a(1) = 9, a(2) = 21\}$ , ogf]
  
A296720 3.74304 [  $-(2*x^9+5*x^8-3*x^7-20*x^6-23*x^5+7*x^4+32*x^3+9*x^2-6*x-5)/(x-1)/(2*x^9+5*x^8-x^7-15*x^6-24*x^5-10*x^4+9*x^3+5*x^2+2*x-1)$  ogf]
  
A296726 3.61196 [  $\{(n^3+6*n^2+12*n+8)*a(n+1)+(-n^2-4*n-4)*a(n+2)+(-n-4)*a(n+3)+a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 7\}$ , ogf]
  
A296727 4.00372 [  $\{(-n^3-6*n^2-12*n-8)*a(n+1)+(n^2+4*n+4)*a(n+2)+(-n-4)*a(n+3)+a(n+4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 5\}$ , ogf]
  
A296733 6.51620 [  $-(2*x^2+x+2)*(6*x^3+2*x^2-2*x-1)/(12*x^6-2*x^5+12*x^4-8*x^3+x^2-3*x+1)$  ogf]
  
A296766 9.00644 [  $-(3*x^56+11718*x^55-61*x+62)/(192*x^56-189*x^55-x^2+2*x-1)$  ogf]
  
A296769 4.58134 [  $\{(-16*n-56)*a(n+1)+(8*n+30)*a(n+2)+(-n-4)*a(n+3), a(0) = 1, a(1) = 7, a(2) = 38\}$ , ogf]
  
A296775 13.3472 [  $-(x-1)^3/(2*x+1)$  ogf]
  
A296775 14.7375 [  $-(4*x+5)/(-2*x^2+x+1)$  lgdogf]
  
A296775 7.21839 [  $\{a(n+4)+2*a(n+3), a(0) = 1, a(1) = -5, a(2) = 13, a(3) = -27\}$ , ogf]
  
A296779 3.86576 [  $-16*x*(x^8+14*x^7+73*x^6+160*x^5+224*x^4+160*x^3+73*x^2+14*x+1)/(x+1)^5/(x-1)^7$  ogf]
  
A296786 6.53614 [  $(x^{13}-x^{12}-x^{11}-2*x^{10}-4*x^9+5*x^8+2*x^7+5*x^6+x^5-2*x^4+3*x^3+x^2+2*x+2)/(x-1)^2/(x+1)^2/(x^2+1)^2$  ogf]
  
A296795 9.21407 [  $-(11*x^5+13*x^4+14*x^3-22*x^2-14*x-13)/(x^6-4*x^3+1)$  ogf]
  
A296796 10.0614 [  $3*(4*x^4+5*x^3+11*x^2+5*x+4)/(x^6-4*x^3+1)$  ogf]
  
A296798 5.54448 [  $-(2*x+1)*(8*x^4+10*x^3+3*x^2-2*x-2)/(2*x^3+x^2-1)/(8*x^3+2*x^2+x-1)$  ogf]
  
A296805 8.81945 [  $-2*x^2*(x^4+2*x^2-x+1)/(x^2+1)^2/(x+1)^2/(x-1)^3$  ogf]
  
A296817 10.3193 [  $-(x^2+14*x+9)/(-x^3-5*x^2+5*x+1)$  lgdogf]
  
A296817 10.9960 [  $-(x-1)^3/(x^2+6*x+1)$  ogf]
  
A296817 5.73296 [  $\{a(n+4)+6*a(n+3)+a(n+2), a(0) = 1, a(1) = -9, a(2) = 56, a(3) = -328\}$ , ogf]
  
A296819 7.26698 [  $x*(4*x^4+7*x^3+9*x^2+3*x+1)/(x+1)^3/(x-1)^4$  ogf]
  
A296821 6.19015 [  $-(8*x^5+18*x^4+12*x^3-3*x^2-3*x-1)/(8*x^6+10*x^5+2*x^4-5*x^3-3*x+1)$  ogf]
  
A296876 62.8448 [[2] ogf\_with\_Euler\_transform]
  
A296876 7.59181 [  $-(7*x^62+14*x^61+6*x^60+3*x^59)/(21*x^62-14*x^61-6*x^60+9*x^59-x^2-x-1)$  ogf]
  
A296879 24.8459 [  $1/(x-1)^2$  ogf]
  
A296879 29.2827 [  $2/(-x+1)$  lgdogf]
  
A296879 62.8448 [[2] ogf\_with\_Euler\_transform]
  
A296879 9.99896 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 2\}$ , ogf]
  
A296882 24.8459 [  $1/(x-1)^2$  ogf]
  
A296882 29.2827 [  $2/(-x+1)$  lgdogf]
  
A296882 62.8448 [[2] ogf\_with\_Euler\_transform]
  
A296882 9.99896 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 1, a(1) = 2\}$ , ogf]

A296885 24.8459 [ 1/(x-1)^2 ogf]  
A296885 29.2827 [2/(-x+1) lgdogf]  
A296885 62.8448 [[2] ogf\_with\_Euler\_transform]  
A296885 9.99896 [{-a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 2}, ogf]  
A296888 24.8459 [ 1/(x-1)^2 ogf]  
A296888 29.2827 [2/(-x+1) lgdogf]  
A296888 62.8448 [[2] ogf\_with\_Euler\_transform]  
A296888 9.99896 [{-a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 2}, ogf]  
A296891 24.8459 [ 1/(x-1)^2 ogf]  
A296891 29.2827 [2/(-x+1) lgdogf]  
A296891 62.8448 [[2] ogf\_with\_Euler\_transform]  
A296891 9.99896 [{-a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 2}, ogf]  
A296894 24.8459 [ 1/(x-1)^2 ogf]  
A296894 29.2827 [2/(-x+1) lgdogf]  
A296894 62.8448 [[2] ogf\_with\_Euler\_transform]  
A296894 9.99896 [{-a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 2}, ogf]  
A296897 24.8459 [ 1/(x-1)^2 ogf]  
A296897 29.2827 [2/(-x+1) lgdogf]  
A296897 62.8448 [[2] ogf\_with\_Euler\_transform]  
A296897 9.99896 [{-a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 2}, ogf]  
A296900 24.8459 [ 1/(x-1)^2 ogf]  
A296900 29.2827 [2/(-x+1) lgdogf]  
A296900 62.8448 [[2] ogf\_with\_Euler\_transform]  
A296900 9.99896 [{-a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 2}, ogf]  
A296903 24.8459 [ 1/(x-1)^2 ogf]  
A296903 29.2827 [2/(-x+1) lgdogf]  
A296903 62.8448 [[2] ogf\_with\_Euler\_transform]  
A296903 9.99896 [{-a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 2}, ogf]  
A296904 7.18717 [ (144361\*x^20-144359\*x^19+152400\*x-152781)/(2\*x^19-381)/(x-1)^2 ogf]  
A296906 24.8459 [ 1/(x-1)^2 ogf]  
A296906 29.2827 [2/(-x+1) lgdogf]  
A296906 62.8448 [[2] ogf\_with\_Euler\_transform]  
A296906 9.99896 [{-a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 2}, ogf]  
A296907 13.0150 [ -(-3600\*x+3602)/(-3600\*x^2+7201\*x-3601) lgdogf]  
A296907 16.0773 [ -(3600\*x-3601)/(x-1)^2 ogf]  
A296907 9.31752 [{-a(n+2)+2\*a(n+1)-a(n), a(0) = 3601, a(1) = 3602}, ogf]  
A296909 8.12568 [ (x^6-x^5-2\*x^4-4\*x^2-x-1)/(x^2+1)/(x-1)^3 ogf]  
A296910 11.6920 [ -(2\*x^4-5\*x^3-x^2-3\*x-1)/(x+1)/(x-1)^2 ogf]  
A296910 8.57410 [ -(-2\*x^5+2\*x^4+2\*x^3-22\*x^2-8\*x-4)/(2\*x^6-5\*x^5-3\*x^4+2\*x^3+3\*x+1) lgdogf]  
A296911 12.5368 [ (2\*x^4-5\*x^3-x^2-3\*x-1)/(x+1)/(x-1)^3 ogf]  
A296911 9.85034 [ -(-x^4-4\*x^3-26\*x^2-12\*x-5)/(2\*x^6-5\*x^5-3\*x^4+2\*x^3+3\*x+1) lgdogf]  
A296913 4.39930 [ -120\*x^2\*(139\*x^7+1693\*x^6+7269\*x^5+11905\*x^4+7495\*x^3+1641\*x^2+97\*x+1)/(x-1)^11 ogf]  
A296943 3.61999 [ {(-n^2-n)\*a(n)+(-4-n)\*a(n+1)+(n^2+5\*n+8)\*a(n+2)+(-2-n)\*a(n+3), a(0) = 0, a(1) = 1, a(2) = 4}, ogf]  
A296946 11.0544 [ -2\*(6\*x^3-2\*x-1)/(12\*x^4-8\*x^3-2\*x+1) ogf]  
A296953 12.5627 [ -(2\*x^2+4\*x-4)/(2\*x^3-x^2-2\*x+1) lgdogf]  
A296953 16.4084 [ x\*(x+1)/(2\*x-1)/(x-1) ogf]  
A296953 7.96050 [ {a(n+3)-3\*a(n+2)+2\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 4}, ogf]  
A296954 10.8174 [ -(10\*x^2-4\*x-2)/(8\*x^4-14\*x^3+9\*x^2-4\*x+1) lgdogf]  
A296954 14.0436 [ x\*(4\*x^2-x+1)/(2\*x-1)/(x-1) ogf]  
A296954 7.08393 [ {-a(n+4)+3\*a(n+3)-2\*a(n+2), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 8}, ogf]  
A296957 6.61802 [ -(4\*x^4-14\*x^3-3\*x^2+2\*x+1)/(4\*x^5-18\*x^4+11\*x^3-5\*x^2+4\*x-1) ogf]  
A296965 11.5644 [ -(4\*x^2-2)/(4\*x^4-8\*x^3+7\*x^2-4\*x+1) lgdogf]  
A296965 13.7961 [ x\*(2\*x^2-x+1)/(2\*x-1)/(x-1) ogf]

A296965 6.95910 [  $\{-a(n+4)+3a(n+3)-2a(n+2), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6\}$ , ogf]  
A296968 7.53116 [  $-(2x^4-2x^3+2x^2+3x+1)/(2x^5-4x^4+6x^3-x^2+2x-1)$  ogf]  
A296984 6.77001 [  $-(2x^2+x+1)(2x^3+2x^2+x-1)/(4x^6+2x^5+4x^4-3x^3-x^2-2x+1)$  ogf]  
A296996 4.50092 [  $x^*(x^8-2x^7-2x^6-57x^5-54x^4-82x^3-32x^2-11x-1)/(x+1)^4/(x-1)^7$  ogf]  
A296997 5.99547 [  $-2x*(x^6+x^5+32x^4+82x^3+93x^2+29x+2)/(x+1)^2/(x-1)^7$  ogf]  
A297011 7.05360 [  $-(x^{14}-x^{13}+x^7-x^6+x^4+x^3+x^2-7x+3)/(x^2+2x-1)/(x-1)^2$  ogf]  
A297028 10.0302 [  $-(36x^2-150x+43)/(12x^3-75x^2+43x-1)$  ogf]  
A297028 5.54518 [  $\{-a(n+3)+43a(n+2)-75a(n+1)+12a(n), a(0) = 43, a(1) = 1699, a(2) = 69868\}$ , ogf]  
A297037 7.91357 [  $-x^8*(x+1)*(x^2+x+1)*(x^2-x+1)/(x^72+x^6-1)$  ogf]  
A297038 25.4973 [  $-x^9/(x-1)$  ogf]  
A297038 30.8092 [  $1/(-x+1)$  lgdogf]  
A297038 4.65045 [  $\{-a(n+2)+a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 0, a(7) = 0, a(8) = 0, a(9) = 1\}$ , ogf]  
A297039 24.4989 [  $-x^{10}/(x-1)$  ogf]  
A297039 30.6237 [  $1/(-x+1)$  lgdogf]  
A297040 24.3504 [  $-x^{11}/(x-1)$  ogf]  
A297040 30.4380 [  $1/(-x+1)$  lgdogf]  
A297041 24.2020 [  $-x^{12}/(x-1)$  ogf]  
A297041 30.2525 [  $1/(-x+1)$  lgdogf]  
A297042 24.0535 [  $-x^{13}/(x-1)$  ogf]  
A297042 30.0669 [  $1/(-x+1)$  lgdogf]  
A297043 23.9050 [  $-x^{14}/(x-1)$  ogf]  
A297043 29.8812 [  $1/(-x+1)$  lgdogf]  
A297044 23.7565 [  $-x^{15}/(x-1)$  ogf]  
A297044 29.6957 [  $1/(-x+1)$  lgdogf]  
A297045 23.1626 [  $-x^{19}/(x-1)$  ogf]  
A297045 28.9533 [  $1/(-x+1)$  lgdogf]  
A297046 17.2235 [  $-x^{59}/(x-1)$  ogf]  
A297046 21.5294 [  $1/(-x+1)$  lgdogf]  
A297047 12.0171 [  $x^*(x^2+2x+2)/(2x^2+3x-1)/(x^2+x-1)$  ogf]  
A297047 6.67619 [  $\{-(-4x^5-17x^4-36x^3-34x^2+2x+10)/(-2x^6-9x^5-14x^4-6x^3+7x^2+6x-2)\}$  lgdogf]  
A297054 13.5962 [  $-(x^2-x+1)/(-x+1)$  ogf\_with\_Euler\_transform]  
A297064 3.93480 [  $-2*(x^{12}+2x^{11}-6x^9-9x^8-x^7+12x^6+7x^5-6x^4-6x^3+x^2+2x+1)/(x-1)^2/(x+1)^2/(x^3+x^2-1)^3$  ogf]  
A297067 6.72800 [  $-(8x^4+12x^3+5x^2+2x-3)/(8x^5+4x^4+x^3+x^2-4x+1)$  ogf]  
A297079 6.05892 [  $-2*(2x^5+9x^4+14x^3+5x^2-2x-2)/(4x^6+14x^5+14x^4-4x^3-4x^2-2x+1)$  ogf]  
A297088 6.62373 [  $-(4x^4-10x^3-7x^2-x+4)/(4x^5-14x^4+3x^3-2x^2+4x-1)$  ogf]  
A297096 6.94585 [  $-2*(2x^5+2x^4+4x^3-x^2-2)/(4x^6+8x^4-6x^3+2x^2-4x+1)$  ogf]  
A297107 7.90250 [  $-(54x^{12}+48x^{11}+168x^{10}+24x^9+84x^8+12x^7+48x^6+30x^5+36x^4+22x^3+12x^2+6x+1)/(2x^3-1)$  ogf]  
A297123 4.60009 [  $-(1024x^6+29243x^5+135139x^4+137524x^3+29044x^2+665x+1)/(x-1)^7$  ogf]  
A297151 3.97617 [  $\{(-64n^2-224n-192)*a(n+1)+(16n^2+52n+36)*a(n+2)+(-n^2-3n-2)*a(n+3), a(0) = 0, a(1) = 7, a(2) = 100\}$ , ogf]  
A297151 9.44987 [  $4*(-216x-37+12*(1-8x)^{(1/2)})/(72x+7)/(-1+8x)$  lgdogf]  
A297180 11.8931 [  $-(6x^3-x^2-x-1)/(x-1)/(7x^3-1)$  ogf]  
A297180 7.19847 [  $-(42x^6-14x^5-14x^4-2x^3+2x^2+2x+2)/(42x^6-49x^5-6x^4+14x^3-1)$  lgdogf]  
A297181 9.05452 [  $-(10x^5-x^4-x^3-x^2-x-1)/(x-1)/(11x^5-1)$  ogf]  
A297182 8.60443 [  $-(12x^6-x^5-x^4-x^3-x^2-x-1)/(x-1)/(13x^6-1)$  ogf]

A297189 10.5979 [  $-x^*(3*x^3+2*x^2-3*x-1)/(9*x^4-8*x^2+1)$  ogf]  
A297217 12.8120 [  $-(4*x^4-4*x^3+4*x^2-3*x+3)/(x-1)$  ogf]  
A297219 10.8425 [  $-(4*x^2+5*x+3)/(4*x^3+4*x^2+x-1)$  ogf]  
A297219 5.85304 [  $\{-a(n+3)+a(n+2)+4*a(n+1)+4*a(n), a(0) = 3, a(1) = 8, a(2) = 24\}$ , ogf]  
A297220 6.81478 [  $-(2*x^2+2*x+1)*(x+2)^2/(x^5+6*x^4+11*x^3+6*x^2+x-1)$  ogf]  
A297221 3.35236 [  $-(x^8-13*x^7+47*x^6-35*x^5-58*x^4+17*x^3+53*x^2+27*x+6)/(x^3-x^2-2*x-1)/(x^6-3*x^5+7*x^4-19*x^3-11*x^2-3*x+1)$  ogf]  
A297231 7.77849 [  $-x^{10}/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]  
A297234 7.08932 [  $-x^{11}/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)^2/(x^2+1)^2/(x^2+x+1)^2/(x^2-x+1)^2/(x^4-x^2+1)^2/(x-1)^3$  ogf]  
A297237 7.31310 [  $-x^{12}/(x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x^6-x^5+x^4-x^3+x^2-x+1)/(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]  
A297240 6.71289 [  $-x^{13}/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^8-x^7+x^5-x^4+x^3-x+1)/(x+1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)^2/(x^6-x^5+x^4-x^3+x^2-x+1)^2/(x-1)^3$  ogf]  
A297266 4.46834 [  $-(8*x^{27}+7*x^{26}+6*x^{24}-5*x^{21}-7*x^{20}-6*x^{18}+4*x^{17}-5*x^{15}+3*x^{12}-4*x^{11}+6*x^6-x^5-x^4-x^3-x^2-x-10)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A297296 8.56302 [  $-(x+1)*(x^3+2*x^2-x-1)/(2*x^4+2*x^3-2*x^2-2*x+1)$  ogf]  
A297297 5.41306 [  $-(x+1)*(2*x^6-2*x^5-9*x^4+2*x^3+8*x^2-x-1)/(x^8-x^7-4*x^6-4*x^5+2*x^4+8*x^3-4*x+1)$  ogf]  
A297300 7.73524 [  $-(x-1)*(x^2+1)^2/(x^4-2*x^3+x^2-2*x+1)$  ogf]  
A297309 7.63057 [  $-(7*x^3-4*x^2-11*x-4)/(6*x^4-3*x^3-11*x^2-3*x+1)$  ogf]  
A297310 3.72714 [  $(x^8-10*x^7+2*x^6+50*x^5-93*x^4-50*x^3+51*x^2+38*x+7)/(x^3+5*x^2+7*x-1)/(x^5-4*x^4+6*x^3-3*x-1)$  ogf]  
A297315 4.61382 [  $-(x^2-x-1)*(x^6+x^5-4*x^3-2*x^2-3*x-1)/(x^3-2*x^2+x-1)/(x^6+x^5-5*x^3-2*x^2-2*x+1)$  ogf]  
A297333 10.0839 [  $-(4*x^2+3*x-5)/(3*x^3+2*x^2-5*x+1)$  ogf]  
A297333 5.39576 [  $\{-a(n+3)+5*a(n+2)-2*a(n+1)-3*a(n), a(0) = 5, a(1) = 22, a(2) = 96\}$ , ogf]  
A297334 6.33472 [  $-(x-1)*(4*x^3+13*x^2+3*x-8)/(x^5+3*x^4-4*x^3-10*x^2+8*x-1)$  ogf]  
A297335 3.56497 [  $-(16*x^7+40*x^6-291*x^5-24*x^4+243*x^3-46*x^2-48*x+13)/(2*x-1)/(x+1)/(8*x^5-34*x^4+15*x^3+29*x^2-13*x+1)$  ogf]  
A297339 8.23249 [  $-(x^4+x^3-2*x^2-4*x-4)/(x+1)/(x^4-x^3-x^2-2*x+1)$  ogf]  
A297349 5.49976 [  $\{a(n+3)-29*a(n+2)-36*a(n+1)+24*a(n), a(0) = 1, a(1) = 41, a(2) = 1201\}$ , ogf]  
A297349 5.69106 [  $(-(-576*x^4+576*x^3-1056*x^2-24*x-41)/(-576*x^5+1152*x^4+288*x^3-408*x^2-17*x+1)$  lgdogf]  
A297349 9.91624 [  $-(24*x^2-12*x-1)/(24*x^3-36*x^2-29*x+1)$  ogf]  
A297369 11.8699 [  $-(6*x^2-x-8)/(4*x^3-7*x+1)$  ogf]  
A297369 6.04907 [  $(-(-24*x^4+8*x^3+54*x^2+12*x-57)/(-24*x^5+4*x^4+74*x^3-13*x^2-55*x+8)$  lgdogf]  
A297369 6.48560 [  $\{-a(n+3)+7*a(n+2)-4*a(n), a(0) = 8, a(1) = 57, a(2) = 393\}$ , ogf]  
A297370 4.47112 [  $-(x^5-10*x^4-4*x^3+30*x^2-16)/(x-1)/(x^5-14*x^4+5*x^3+8*x^2+12*x-1)$  ogf]  
A297375 5.70419 [  $-(x^2+x+1)*(x^4-x^2-4)/(x^2+1)/(x^5+x^4-2*x^3-2*x^2-3*x+1)$  ogf]  
A297384 9.80085 [  $-4*(2*x^2+2*x-1)/(4*x-1)/(x-1)/(4*x^2-8*x+1)$  ogf]  
A297390 8.64623 [  $-(2*x+1)*(2*x^2-3)/(4*x^4-2*x^3-4*x^2-x+1)$  ogf]  
A297391 5.74997 [  $-(x^6+3*x^5+3*x^4+5*x^3-9*x-4)/(x^7+2*x^6+x^5+3*x^4-4*x^3-6*x^2-x+1)$  ogf]  
A297396 7.02732 [  $-(2*x^5+2*x^4-x^3-9*x^2-8*x-1)/(2*x^6-x^4-8*x^3-x^2-x+1)$  ogf]  
A297397 4.29971 [  $-(45*x^7+54*x^6+76*x^5+88*x^4+15*x^3-34*x^2-19*x-1)/(45*x^8+9*x^7+67*x^6+21*x^5-11*x^4-24*x^3-3*x^2-x+1)$  ogf]  
A297426 7.38633 [  $-(4*x^5+3*x^4-x^3-7*x^2-6*x-1)/(4*x^6-x^5-7*x^3-x+1)$  ogf]  
A297427 5.32157 [  $-(x^6+8*x^5-2*x^4-12*x^3-x+1)/(x^7+7*x^6-2*x^5-2*x^4-12*x^3-x+1)$  ogf]  
A297432 10.3375 [  $-(4*x^3+5*x^2+x+1)/(4*x^4+x^3+x-1)$  ogf]

A297433 7.70698 [  $-(x^5-9x^3-11x^2-2x-1)/(x^6-x^5-8x^4-3x^3-x+1)$  ogf]  
A297439 12.1179 [  $-(6x^3+8x^2-9x-4)/(2x^2-1)^2$  ogf]  
A297439 7.57370 [  $-(-12x^4-32x^3+36x^2+16x+9)/(-12x^5-16x^4+24x^3+16x^2-9x-4)$  lgdogf]  
A297443 8.47714 [  $-(3x^5-x^3-x^2-2x-1)/(x-1)/(x^2+1)/(3x^2-1)$  ogf]  
A297444 10.9624 [  $(9x^3-6x^2+2x+1)/(x-1)/(3x-1)/(3x+1)$  ogf]  
A297444 5.68729 [  $\{-a(n+4)+a(n+3)+9a(n+2)-9a(n+1), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 33\}$ , ogf]  
A297444 6.75365 [  $-(27x^4+54x^3-24x^2-6x-3)/(81x^6-135x^5+63x^4+6x^3-17x^2+x+1)$  lgdogf]  
A297445 12.5640 [  $-(3x^2-4x-1)/(x-1)/(3x-1)/(3x+1)$  ogf]  
A297445 6.78235 [  $\{-a(n+3)+a(n+2)+9a(n+1)-9a(n), a(0) = 1, a(1) = 5, a(2) = 11\}$ , ogf]  
A297445 7.36929 [  $-(-27x^4+72x^3-12x^2-12x-5)/(-27x^5+63x^4-24x^3-16x^2+3x+1)$  lgdogf]  
A297452 4.74609 [  $-(12x^6+5x^5+3x^4-15x^3-18x^2+5)/(12x^7-7x^6+10x^5-25x^4+4x^3-3x^2+5x-1)$  ogf]  
A297458 8.64623 [  $-(4x^3+5x^2+4x+4)/(x^2+1)/(4x^2+x-1)$  ogf]  
A297459 4.56490 [  $-(2x^7+2x^6+8x^5-11x^4-11x^3+3x^2-5x+8)/(2x^8+8x^6-19x^5+8x^4-7x^3+4x^2+3x-1)$  ogf]  
A297464 11.8871 [  $(x+1)*(2x^2+2x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A297464 4.79654 [  $\{(10n+33)*a(n+1)+10a(n+2)+10a(n+3)+(-10n-23)*a(n+4), a(0) = 1, a(1) = 4, a(2) = 8, a(3) = 11\}$ , ogf]  
A297466 7.53027 [  $(4x^8+3x^7+3x^6+3x^5+4x^4+3x^3+3x^2+4x+3)/(x^6+x^3+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A297468 8.37930 [  $-(x^{31}-x^{30}+x^{28}-x^{27}+x^8-x^7+2x-3)/(x-1)^2$  ogf]  
A297470 7.56660 [  $-(4x^4-6x^3-2x^2-9x-2)/(2x^5-2x^4-4x^3+x^2+2x+1)$  lgdegf]  
A297474 9.86094 [  $-(-4x^3+4x^2-6x-2)/(-4x^3+2x^2-2x+1)$  lgdegf]  
A297476 7.30537 [  $-(40x^4+16x^3+42x^2-8x+5)/(8x^5+4x^4+14x^3-4x^2+5x-1)$  ogf]  
A297507 7.27873 [  $-(8x^4+14x^3-3x^2-7x-1)/(8x^5+6x^4-9x^3+2x^2-3x+1)$  ogf]  
A297508 3.28626 [  $-(12x^9+9x^8+21x^7+80x^6-18x^5-136x^4-77x^3+22x^2+26x+1)/(12x^{10}-3x^9+24x^8+56x^7-74x^6-65x^5-15x^4+32x^3+x^2+3x-1)$  ogf]  
A297514 4.34891 [  $-(64x^8+24x^7-8x^6-124x^5-58x^4+4x^3+26x^2+14x+3)/(64x^9-8x^8-124x^7+11x^6+6x^5+30x^4-2x^3+2x-1)$  ogf]  
A297520 10.0551 [  $-(12x^3+12x^2+4x+1)/(12x^4+4x^3+x-1)$  ogf]  
A297545 5.81109 [  $-(12x^5+28x^4+10x^3-7x^2+x-1)/(12x^6+16x^5-6x^4-5x^3+2x^2-3x+1)$  ogf]  
A297554 8.95092 [  $-(2x+1)*(4x^4-2x^2-2x-1)/(x-1)/(x+1)/(4x^3-1)$  ogf]  
A297555 9.48977 [  $(16x^4-12x^3+4x^2+3x+1)/(x-1)/(16x^3-1)$  ogf]  
A297556 10.9222 [  $-(4x^3-x^2-5x-1)/(x-1)/(16x^3-1)$  ogf]  
A297577 5.90128 [  $-(8x^5+25x^4+13x^3-19x^2-8x-3)/(x-1)/(8x^5+25x^4+21x^3+2x^2-1)$  ogf]  
A297583 9.80926 [  $-(2x^3+6x^2+4x+1)/(2x^4+4x^3+x-1)$  ogf]  
A297584 4.50449 [  $-(x^7+13x^6+23x^5+10x^4-19x^3-26x^2-8x-1)/(x^8+12x^7+11x^6-x^5-18x^4-8x^3-2x^2-x+1)$  ogf]  
A297590 5.96348 [  $-(8x^5+16x^4+12x^3+2x^2-1)/(8x^5+16x^4+12x^3+2x^2-1)$  ogf]  
A297591 4.00199 [  $-(x^8+5x^7+7x^6+x^5+13x^4+13x^3-12x^2-9x-4)/(x^9+4x^8+3x^7-3x^6+13x^5-3x^4-10x^3-6x^2-x+1)$  ogf]  
A297596 5.33891 [  $-(6x^6+14x^5+8x^4-7x^3-15x^2-8x-1)/(6x^7+8x^6-7x^4-8x^3-x^2-x+1)$  ogf]  
A297608 6.33350 [  $-(12x^5+12x^4-12x^3-12x^2-7x-4)/(12x^6-12x^4-4x^3-3x^2-x+1)$  ogf]  
A297619 12.2109 [  $-(12x^2-4x-2)/(4x^3-2x^2-2x+1)$  lgdogf]  
A297619 17.6380 [  $8x^2/(2x-1)/(2x^2-1)$  ogf]  
A297619 7.21553 [  $\{a(n+3)-2a(n+2)-2a(n+1)+4a(n), a(0) = 0, a(1) = 0, a(2) = 8\}$ , ogf]  
A297638 5.85886 [  $-(24x^5+52x^4+22x^3-x^2+4x-4)/(3x-1)/$

$(8x^5+12x^4+2x^3+x^2-1)$  ogf]  
A297655 5.64378 [  $-(12x^5+24x^4+18x^3+15x^2+7x+1)/$   
 $(12x^6+12x^5+6x^4+13x^3-2x^2+3x-1)$  ogf]  
A297661 8.19767 [  $-(4x^5-9x^4+2x^3+7x^2-8x+3)/(x^2-x+1)/(x^2+x-1)/(x-1)^2$   
ogf]  
A297662 11.8532 [  $-(3x^2+18x+9)/(x^3+3x^2-3x-1)$  lgdogf]  
A297662 3.87164 [  $\{(n+3)a(n+4)+(-3+3n)a(n+3)+(-21-3n)a(n+2)+(-3-n)a(n+1),$   
 $a(0) = 0, a(1) = 3, a(2) = 27, a(3) = 108\}$ , ogf]  
A297662 9.17211 [  $-3x(x^2+4x+1)/(x-1)^5$  ogf]  
A297663 13.0649 [  $(9x^2-3x-1)/(x-1)^2/(2x-1)$  ogf]  
A297663 7.05272 [  $\{a(n+3)-4a(n+2)+5a(n+1)-2a(n), a(0) = 1, a(1) = 7, a(2) =$   
 $14\}$ , ogf]  
A297663 9.83898 [  $(-18x^3-6x^2+21x-7)/(-18x^4+33x^3-16x^2+1)$  lgdogf]  
A297665 8.99619 [  $(5x^4-6x^3+5x^2+2x-3)/(x^2-x+1)/(x^2+x-1)/(x-1)^2$  ogf]  
A297667 8.11462 [  $-(6x^5-11x^4-2x^3+21x^2-24x+9)/(x^2-x+1)/(x^2+x-1)/$   
 $(x-1)^2$  ogf]  
A297670 3.22965 [  $\{(-n^2-9n-20)a(n+1)+(2n^2+17n+35)a(n+2)+(-n^2-9n-17)a(n$   
 $+3)+(n+2)a(n+4), a(0) = 0, a(1) = 0, a(2) = 3, a(3) = 27\}$ , ogf]  
A297675 14.6316 [  $3(x^2-x-1)/(x-1)^3$  ogf]  
A297675 15.9379 [  $(-x^2+4)/(-x^3+2x^2-1)$  lgdogf]  
A297675 7.82917 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 3, a(1) = 12, a(2) =$   
 $24\}$ , ogf]  
A297677 5.21539 [  $-(17x^5-13x^4-35x^3+12x^2-6x+7)/$   
 $(17x^6-30x^5-5x^4+8x^3-x^2+5x-1)$  ogf]  
A297683 4.17597 [  $-(x^7+19x^6+28x^5+17x^4-10x^3-28x^2-17x-8)/(x-1)/$   
 $(x^7+19x^6+29x^5+36x^4+19x^3+8x^2+x-1)$  ogf]  
A297689 4.08681 [  $-(9x^7-12x^6-18x^5-20x^4+38x^3+25x^2-x-5)/$   
 $(9x^8-21x^7+3x^6-23x^5+52x^4-6x^3+2x^2-5x+1)$  ogf]  
A297695 11.9691 [  $-2(3x^2-2)/(6x^3-4x^2-2x+1)$  ogf]  
A297695 6.03751 [  $\{a(n+3)-2a(n+2)-4a(n+1)+6a(n), a(0) = 4, a(1) = 8, a(2) =$   
 $26\}$ , ogf]  
A297695 7.18146 [  $(-18x^4+30x^2-10x-4)/(-18x^5+12x^4+18x^3-11x^2-4x+2)$   
lgdogf]  
A297696 3.75508 [  $-(x+1)(2x^7-4x^6-17x^5+24x^4+39x^3-29x^2-13x+8)/$   
 $(2x^9-4x^8-17x^7+22x^6+43x^5-24x^4-24x^3+10x^2+3x-1)$  ogf]  
A297705 12.4006 [  $(-3x^2+x)/(-2x^2-3x-1)$  revogf]  
A297705 3.13025 [  $\{(-2n-4)a(n+1)+(33n+120)a(n+2)+(52n+179)a(n$   
 $+3)+(-3n-15)a(n+4), a(0) = 1, a(1) = 6, a(2) = 56, a(3) = 636\}$ , ogf]  
A297712 5.76371 [  $-(6x^8-2x^7-14x^6+9x^5-9x^4-3x^3+23x^2-x-7)/(x^6-x^4-$   
 $x^2-x+1)/(x-1)^2$  ogf]  
A297721 6.57826 [  $-(3x^2-1)(8x^3-6x-1)/$   
 $(24x^6-24x^5-2x^4+3x^3-3x^2+4x-1)$  ogf]  
A297728 4.47989 [  $-(x^7+4x^6+14x^5+7x^4-x^3-8x^2-7x-1)/$   
 $(x^8+3x^7+11x^6-4x^5+2x^4-13x^3-x^2-x+1)$  ogf]  
A297734 8.31405 [  $-(6x^4-3x^2-1)/(6x^5-6x^4+3x^3-x^2-2x+1)$  ogf]  
A297735 4.05951 [  $-(x+1)(4x^7+10x^6+16x^5-20x^4-13x^3+7x^2+1)/$   
 $(4x^9+10x^8+16x^7-19x^6-12x^5+7x^4-6x^3+4x^2+2x-1)$  ogf]  
A297740 6.55865 [  $-(x+1)(12x^8-24x^6-20x^5+28x^4+20x^3+12x^2+5x+1)/$   
 $(x-1)^3$  ogf]  
A297741 5.10331 [  $-(x$   
 $+1)(4x^{12}+16x^{11}+12x^{10}-20x^9-28x^8-68x^7+44x^6+36x^5+28x^4+20x^3+12x^2+5x+1)/(x-1)^3$  ogf]  
A297750 6.16749 [  $-(x+1)(12x^4+10x^3-8x^2-2x-1)/$   
 $(12x^6+10x^5-8x^4-6x^3+x^2-2x+1)$  ogf]  
A297763 6.78771 [  $-(18x^4+12x^3-7x^2+2x-1)/(18x^5-6x^4-x^3+3x^2-4x+1)$   
ogf]  
A297809 10.5115 [  $-x(2x^2-2x-1)/(2x^4-2x^3-3x^2+1)$  ogf]  
A297817 6.43776 [  $(4x^5-4x^4-8x^3+4x^2+x+1)/(4x^5+2x^4-2x^3-x^2-3x+1)$   
ogf]  
A297818 3.73314 [  $(8x^{10}-2x^9-8x^8+8x^7-6x^6+7x^5-19x^4-20x^3+2x^2-14x-1)/$



$(2*x^9+2*x^7+2*x^6-x^5+7*x^4-x^3-x^2+3*x-1)$  ogf]  
A297852 8.35278 [  $-(4*x^5-4*x^4-6*x^3+1)/(2*x-1)/(2*x^4-4*x^3-x+1)$  ogf]  
A297853 5.28373 [  $-(4*x^8+11*x^7+10*x^6-x^5-16*x^4-11*x^3+x^2+5*x+1)/(x-1)/(x^2+1)/(x^2+x-1)/(x^3+x^2-1)$  ogf]  
A297860 10.1527 [  $-x*(2*x^2+2*x+1)/(x+1)/(2*x^3+2*x^2+x-1)$  ogf]  
A297870 11.6641 [  $-x*(4*x^2-2*x-1)/(2*x-1)/(2*x^3+x^2-x-1)$  ogf]  
A297883 6.96750 [  $-(8*x^5-8*x^4-12*x^3-4*x^2+x+2)/(2*x-1)/(4*x^4-8*x^3-x+1)$  ogf]  
A297884 4.31575 [  $-(8*x^{10}+12*x^9+16*x^8-7*x^7-22*x^6-26*x^5-x^4+16*x^3+11*x^2-x-4)/(x-1)/(2*x^3+x-1)/(x^3+x^2-1)/(x^3+x-1)$  ogf]  
A297901 6.41051 [  $(2*x+1)*(12*x^4-12*x^3-3*x^2-2*x+2)/(16*x^5+4*x^4-8*x^3-3*x^2-x+1)$  ogf]  
A297909 8.74778 [  $-(4*x^3+7*x^2+5*x+1)/(x+1)/(4*x^3+4*x^2+x-1)$  ogf]  
A297917 7.36560 [  $(4*x^4-2*x^3-4*x^2-x-1)/(4*x^4+4*x^3+x^2+3*x-1)$  ogf]  
A297928 12.7221 [  $-(8*x^2-15*x+4)/(x-1)/(2*x-1)/(4*x-1)$  ogf]  
A297928 6.96950 [  $\{a(n+3)-7*a(n+2)+14*a(n+1)-8*a(n), a(0) = 4, a(1) = 13, a(2) = 43\}$ , ogf]  
A297928 7.22066 [  $(-(-64*x^4+240*x^3-250*x^2+96*x-13)/(-64*x^5+232*x^4-298*x^3+169*x^2-43*x+4)$  lgdogf]  
A297937 9.49703 [  $-(4*x^4+4*x^3+x^2-4*x-1)/(2*x-1)/(2*x^3+x^2-x-1)$  ogf]  
A297945 7.26037 [  $(4*x^5-14*x^3+4*x^2+1)/(4*x^5+6*x^4-2*x^3+2*x^2-4*x+1)$  ogf]  
A297953 8.39932 [  $-(x+1)*(4*x^3-2*x^2-1)/(2*x-1)/(x-1)/(2*x^2+x+1)$  ogf]  
A297970 4.78104 [  $16*(x+7)/(x-1)^2$  ogf]  
A297972 12.7098 [  $-x*(2*x+1)/(2*x^3+3*x^2+x-1)$  ogf]  
A297972 6.52663 [  $\{-a(n+3)+a(n+2)+3*a(n+1)+2*a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$ , ogf]  
A297972 8.94390 [  $-(8*x^3+12*x^2+6*x+3)/(4*x^4+8*x^3+5*x^2-x-1)$  lgdogf]  
A297980 9.91477 [  $-(2*x^4-3*x^2-5*x-1)/(2*x^4-2*x^3-3*x^2+1)$  ogf]  
A297988 3.25107 [  $(x-1)*(8*x^{11}+14*x^{10}-7*x^8+x^7-24*x^6-40*x^5-42*x^4-31*x^3-13*x^2-15*x-1)/(2*x^{11}+2*x^{10}+x^9+2*x^8-4*x^6-6*x^4-x^3+x^2-3*x+1)$  ogf]  
A297996 12.1913 [  $(2*x^4-4*x^3+x+2)/(x+1)/(x-1)^2$  ogf]  
A297996 5.84169 [  $\{a(n+5)-a(n+4)-a(n+3)+a(n+2), a(0) = 2, a(1) = 3, a(2) = 5, a(3) = 2, a(4) = 6\}$ , ogf]  
A298014 8.14677 [  $-(x+1)*(2*x^9+x^7-5*x^6-3*x^5-6*x^4-6*x^3-7*x^2-2*x-1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A298015 9.95611 [  $(3*x^7+4*x^6+6*x^5+18*x^4+13*x^3+6*x^2+3*x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A298016 9.98986 [  $(x^6+12*x^5+12*x^4+10*x^3+12*x^2+6*x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A298017 6.81451 [  $(x+1)*(2*x^9+x^7-5*x^6-3*x^5-6*x^4-6*x^3-7*x^2-2*x-1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A298018 8.24613 [  $-(3*x^7+4*x^6+6*x^5+18*x^4+13*x^3+6*x^2+3*x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A298019 8.68397 [  $-(x^6+12*x^5+12*x^4+10*x^3+12*x^2+6*x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A298022 8.95557 [  $-(2*x^8-2*x^5-3*x^4-4*x^3-4*x^2-2*x-1)/(x^2+x+1)/(x-1)^2$  ogf]  
A298023 7.56483 [  $(2*x^8-2*x^5-3*x^4-4*x^3-4*x^2-2*x-1)/(x^2+x+1)/(x-1)^3$  ogf]  
A298024 10.8690 [  $(x^4+3*x^3+6*x^2+3*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A298025 8.86630 [  $-(x^4+3*x^3+6*x^2+3*x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A298026 10.1144 [  $(-(-6*x^4-12*x^3-36*x^2-12*x-6)/(-x^6-6*x^5-3*x^4+3*x^2+6*x+1))$  lgdogf]  
A298026 13.7168 [  $(x^4+6*x^3+4*x^2+6*x+1)/(x-1)^2/(x+1)^2$  ogf]  
A298027 10.4228 [  $-(x^4+6*x^3+4*x^2+6*x+1)/(x+1)^2/(x-1)^3$  ogf]  
A298027 8.97520 [  $(-(-x^5-13*x^4-22*x^3-46*x^2-19*x-7)/(-x^6-6*x^5-3*x^4+3*x^2+6*x+1))$  lgdogf]  
A298028 10.0721 [  $-(3*x^4+24*x^3+18*x^2+24*x+3)/(x^6+3*x^5+9*x^4-9*x^2-3*x-1)$  lgdogf]  
A298028 13.4748 [  $(x^4+3*x^3+10*x^2+3*x+1)/(x-1)^2/(x+1)^2$  ogf]  
A298029 10.8668 [  $-(3*x^7-9*x^5-3*x^4-4*x^3-2*x^2-2*x-1)/(x+1)/(x-1)^2$  ogf]  
A298030 10.5874 [  $(3*x^7-9*x^5-3*x^4-4*x^3-2*x^2-2*x-1)/(x+1)/(x-1)^3$  ogf]  
A298031 11.5074 [  $-(2*x^6-8*x^4-3*x^3-5*x^2-3*x-1)/(x+1)/(x-1)^2$  ogf]

A298032 11.2959 [  $(2x^6-8x^4-3x^3-5x^2-3x-1)/(x+1)/(x-1)^3$  ogf ]  
A298033 10.9725 [  $-(12x^3+36x^2+18x+6)/(7x^5+5x^4-2x^3-4x^2-5x-1)$  lgdogf ]  
A298033 14.4709 [  $(7x^3+5x^2+5x+1)/(x+1)/(x-1)^2$  ogf ]  
A298033 7.45145 [  $\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0) = 1, a(1) = 6, a(2) = 12, a(3) = 24\},$  ogf ]  
A298034 14.0298 [  $-(7x^3+5x^2+5x+1)/(x+1)/(x-1)^3$  ogf ]  
A298034 9.77832 [  $-(-7x^4-24x^3-46x^2-24x-7)/(-7x^5-5x^4+2x^3+4x^2+5x+1)$  lgdogf ]  
A298035 18.0878 [  $-(-33x-3)/(-16x^3+15x^2+1)$  lgdogf ]  
A298035 18.4228 [  $(16x^2+x+1)/(x-1)^2$  ogf ]  
A298035 9.65855 [  $\{-a(n+3)+2a(n+2)-a(n+1), a(0) = 1, a(1) = 3, a(2) = 21\},$  ogf ]  
A298057 8.09251 [  $-(16x^4+2x^3+2x^2-3x-1)/(16x^5-8x^3-x^2-x+1)$  ogf ]  
A298078 13.0577 [  $-(43x^2-114x+29)/(43x^3-143x^2+143x-43)$  lgdogf ]  
A298078 14.8657 [  $(43x^2-100x+43)/(x-1)^3$  ogf ]  
A298078 8.47604 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = -43, a(1) = -29, a(2) = -1\},$  ogf ]  
A298095 9.27198 [  $-x(x^2+x-1)/(x-1)/(2x^4+x^3+2x^2-1)$  ogf ]  
A298101 5.00744 [  $\{a(n+3)-323a(n+2)+323a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 324\},$  ogf ]  
A298101 7.14477 [  $-(-2x^3+320x^2+646x-324)/(-x^4+322x^3-322x+1)$  lgdogf ]  
A298101 9.60444 [  $-x(x+1)/(x-1)/(x^2-322x+1)$  ogf ]  
A298125 11.3485 [  $(2x^4-6x^3-x^2-1)/(x-1)^3$  ogf ]  
A298125 8.54059 [  $-(2x^4-8x^3+19x^2+2x+3)/(-2x^5+8x^4-5x^3-x^2+x-1)$  lgdogf ]  
A298141 5.50863 [  $-x(x-1)(3x^6+6x^5+2x^4+3x^3+2x^2-2)/(x+1)/(x^8-2x^7-6x^6+2x^5+2x-1)$  ogf ]  
A298148 6.59168 [  $2*(x-1)*(x+1)*(6x^3+3x^2-1)/(8x^5+10x^4-6x^3-2x^2-2x+1)$  ogf ]  
A298158 10.2700 [  $(4x^3+6x^2-x-1)/(2x^2-1)/(x^2+x-1)$  ogf ]  
A298163 6.01202 [  $-x(2x^5+x^4-2x^3-2x^2-2x+2)/(x^2+x-1)/(x^5-x^3-x^2-x+1)$  ogf ]  
A298179 9.47569 [  $-x(2x^3+x^2+2x-2)/(x^2+x-1)/(2x^3+x-1)$  ogf ]  
A298180 4.14160 [  $-x(2x^8-12x^7-12x^6+6x^4+3x^3+3x^2+3x-3)/(x^2+x-1)/(2x^8-8x^7-4x^6+2x^4+3x^3+x^2+x-1)$  ogf ]  
A298185 6.21604 [  $-x(3x^6+4x^5-4x^4+4x^3+x^2-10x+5)/(x-1)/(x^2+x-1)/(x^4+x-1)$  ogf ]  
A298186 4.31044 [  $-x(5x^{10}+7x^7-2x^6+6x^5-6x^4+7x^3+x^2-16x+8)/(x-1)/(x+1)/(x^4+x-1)/(x^5-x^4+x^3-x^2+2x-1)$  ogf ]  
A298189 7.55894 [  $-2*(3x^4+2x^3+x^2-1)/(4x^5+6x^4-2x^3+2x^2-4x+1)$  ogf ]  
A298198 12.0713 [  $4*(4x-1)/(2x-1)/(6x-1)^2$  ogf ]  
A298198 5.83103 [  $\{-a(n+3)+14a(n+2)-60a(n+1)+72a(n), a(0) = 4, a(1) = 40, a(2) = 320\},$  ogf ]  
A298198 9.82946 [  $-(-96x^2+60x-10)/(-48x^3+44x^2-12x+1)$  lgdogf ]  
A298201 6.73903 [  $-2*(300x^4-812x^3+651x^2-183x+16)/(x-1)/(5x-1)/(2x-1)/(4x^2-7x+1)$  ogf ]  
A298215 7.22060 [  $-(16x^5-8x^3-5x^2-x+2)/(2x-1)/(x-1)/(8x^3+x-1)$  ogf ]  
A298234 10.8959 [  $-(x+1)*(3x+1)/(4x^3+5x^2+x-1)$  ogf ]  
A298234 5.88188 [  $\{a(n+3)-a(n+2)-5a(n+1)-4a(n), a(0) = 1, a(1) = 5, a(2) = 13\},$  ogf ]  
A298267 7.63775 [  $-x(x+1)(3x^4-2x^3+4x^2-2x+3)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf ]  
A298271 13.0194 [  $-x/(x-1)/(x^2-322x+1)$  ogf ]  
A298271 5.00744 [  $\{a(n+3)-323a(n+2)+323a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 323\},$  ogf ]  
A298271 8.13710 [  $-(3x^2-646x+323)/(x^3-323x^2+323x-1)$  lgdogf ]  
A298300 6.91353 [  $1/6*(x^2-5x-2+(x^4+14x^3+45x^2+44x+4)^{(1/2)})/(x^2+x+1)$  revogf ]  
A298308 17.3943 [  $-(-9x^2-3)/(9x^3+9x+1)$  lgdogf ]  
A298308 5.79811 [  $\{(-n-4)*a(n+4)+(-24-9n)*a(n+3)-9n*a(n+1), a(0) = 1, a(1) = 3, a(2) = -9, a(3) = 48\},$  ogf ]  
A298311 22.3132 [  $-(x+3)/(x^2-1)$  ogf\_with\_Euler\_transform ]

A298360 10.6348 [  $(3x^4+14x^3+6x^2+4x+3)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A298364 11.8828 [  $(3x^3-2x^2+x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A298367 8.35002 [  $-(14x^4+5x^3+2x^2+x+1)/(14x^5+5x^4+2x^3+x^2+x-1)$  ogf]  
A298371 8.37985 [  $x^2*(x+1)/(x^4+x^3+x^2+x-1)^2$  ogf]  
A298371 8.37985 [  $-(-7x^4-13x^3-9x^2-5x-3)/(-x^5-2x^4-2x^3-2x^2+1)$  lgdogf]  
A298375 7.60034 [  $-(x^6-2x^5+x^3+x^2-x-2)/(x+1)^2/(x-1)^4$  ogf]  
A298397 8.01452 [  $-(-20x^4-55x^3-125x^2-65x-23)/(-10x^5-15x^4-10x^3+12x^2+20x+3)$  lgdogf]  
A298397 9.22101 [  $-4x*(10x^3+15x^2+20x+3)/(x+1)^2/(x-1)^3$  ogf]  
A298421 5.76587 [  $-(-3x^{11}+x^{10}+2x^8-2x^7+x^6-4x^5+x^4-2x^3+2x^2+1)/(x^{12}-1)$  ogf\_with\_Euler\_transform]  
A298448 9.22727 [  $-(8x^4+4x^2-2x-1)/(8x^5+8x^4-8x^3-2x+1)$  ogf]  
A298470 6.50665 [  $(3x^{20}+2x^{19}-14x^6+4x^5+3x^4+5x^3+19x^2+x+2)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A298474 8.11471 [  $-(x^7-x^6-x^5+x^4-x^3-3x^2-x-1)/(x+1)/(x-1)^2$  ogf]  
A298489 3.64123 [  $-(8x^{11}-4x^{10}-16x^9-35x^8+2x^7+33x^6+36x^5-x^4-19x^3-11x^2+x+4)/(x-1)/(2x^3+x-1)/(x^3+x^2-1)/(x^4-2x^3-x+1)$  ogf]  
A298564 10.0236 [  $-(-54x^3+24x^2+24x-10)/(-18x^4+27x^3-7x^2-3x+1)$  lgdogf]  
A298564 12.8661 [  $x*(3x+1)/(3x-1)/(2x-1)/(x-1)^2$  ogf]  
A298564 4.22563 [  $\{(-24n-78)*a(n+1)+(44n+119)*a(n+2)+(-24n-58)*a(n+3)+(4n+9)*a(n+4), a(0) = 0, a(1) = 1, a(2) = 10, a(3) = 53\}$ , ogf]  
A298569 11.2072 [  $-(x-1)*(2x+1)^2/(4x^4-8x^3-x+1)$  ogf]  
A298570 5.04476 [  $-(2x^8+11x^7+2x^6-6x^5-16x^4-5x^3+x^2+4x+1)/(2x^9-2x^8-2x^7-10x^6+x^5+2x^4+7x^3-1)$  ogf]  
A298584 4.26226 [  $(x^{12}-3x^{10}+x^9-4x^8-5x^7+6x^6+7x^5+5x^4+8x^3-6x^2-1)/(x^3-x^2+2x-1)/(x^6+x^5-2x^4-4x^3-x^2+x+1)$  ogf]  
A298596 14.1388 [  $-(x^3-x^2-x)/(x^2-1)$  ogf\_with\_Euler\_transform]  
A298598 11.7955 [  $-(x^5-x^4-2x^3+3x^2+2x)/(-x^4+2x^2-1)$  ogf\_with\_Euler\_transform]  
A298599 15.9588 [  $-(-x^2+2x)/(x^2-2x+1)$  ogf\_with\_Euler\_transform]  
A298611 9.11296 [  $-(32x^3-12x^2+x-3)/(16x^4-8x^3+x^2-6x+1)$  lgdogf]  
A298662 3.89156 [  $-(4x^{11}-2x^{10}-2x^9+x^8-6x^7+2x^6-3x^5+x^4+3x^3+x-1)/(2x^{12}-2x^{11}+x^9-7x^8-5x^7+3x^6+6x^5+4x^4-x^3-3x^2-x+1)$  ogf]  
A298677 10.8923 [  $-(x^2+2x-111)/(x^3-109x^2-109x+1)$  lgdogf]  
A298677 16.2226 [  $(x+1)/(x^2-110x+1)$  ogf]  
A298677 8.86584 [  $\{-a(n+2)+110a(n+1)-a(n), a(0) = 1, a(1) = 111\}$ , ogf]  
A298678 14.3649 [  $-(2x-1)/(2x+1)/(x^2-4x+1)$  ogf]  
A298678 6.85891 [  $\{-a(n+3)+2a(n+2)+7a(n+1)-2a(n), a(0) = 1, a(1) = 0, a(2) = 7\}$ , ogf]  
A298678 9.63720 [  $-(8x^3-20x^2+14x)/(4x^4-16x^3+3x^2+4x-1)$  lgdogf]  
A298679 11.1277 [  $-(-6x^2+14x+2)/(-2x^3+7x^2+2x-1)$  lgdogf]  
A298679 16.0733 [  $3x/(2x+1)/(x^2-4x+1)$  ogf]  
A298679 6.51620 [  $\{-a(n+3)+2a(n+2)+7a(n+1)-2a(n), a(0) = 0, a(1) = 3, a(2) = 6\}$ , ogf]  
A298680 14.3027 [  $-4x^2/(2x+1)/(x-1)/(x^2-4x+1)$  ogf]  
A298680 9.24443 [  $-(8x^3-27x^2+10x+3)/(2x^4-9x^3+5x^2+3x-1)$  lgdogf]  
A298681 11.8650 [  $4x*(2x-1)/(2x+1)/(x-1)/(x^2-4x+1)$  ogf]  
A298681 7.56105 [  $-(-12x^4+44x^3-37x^2+10x+1)/(-4x^5+20x^4-19x^3-x^2+5x-1)$  lgdogf]  
A298682 9.45949 [  $(x+1)*(5x^2+2x-1)/(2x+1)/(x-1)/(x^2-4x+1)$  ogf]  
A298683 9.67624 [  $-(2x-1)*(7x^2-1)/(2x+1)/(x-1)/(x^2-4x+1)$  ogf]  
A298720 3.55732 [  $-(975x^{10}-983x^9-896x+903)/(8x^9-7)/(x-1)^2$  ogf]  
A298728 3.41781 [  $-(1487x^{10}-1495x^9-1344x+1351)/(8x^9-7)/(x-1)^2$  ogf]  
A298747 12.8403 [  $-(32x^{31}-32x^{30}+x^7-x^6-1)/(x-1)^2$  ogf]  
A298777 9.31720 [  $(3x^6-x^5+4x^4+5x^3-4x^2-1)/(x^2+x-1)$  ogf]  
A298784 12.9964 [  $(x^2+1)*(x^2+3x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A298785 10.2512 [  $-(x^2+1)*(x^2+3x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A298786 12.7322 [  $(x^4+2x^3+4x^2+2x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A298787 10.2512 [  $-(x^4+2x^3+4x^2+2x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A298788 9.15854 [  $(x^4+x^3+4x^2+x+1)*(x+1)^2/(x-1)^2/(x^2+x+1)^2$  ogf]  
A298789 24.9934 [  $-x^3+2x^2-3x+4$  ogf\_with\_Euler\_transform]

A298789 8.53948 [  $(-(-4x^4-2x^3-12x^2-2x-4)/(-x^6-x^5-x^4+x^2+x+1) \lg\text{dogf})$  ]  
A298789 9.30708 [  $(x^2+1)*(x+1)^4/(x-1)^2/(x^2+x+1)^2 \text{ ogf}$  ]  
A298790 7.60674 [  $-(x^4+x^3+4x^2+x+1)*(x+1)^2/(x^2+x+1)^2/(x-1)^3 \text{ ogf}$  ]  
A298791 25.2215 [  $-x^3+2x^2-3x+5 \text{ ogf\_with\_Euler\_transform}$  ]  
A298791 7.67652 [  $-(x^2+1)*(x+1)^4/(x^2+x+1)^2/(x-1)^3 \text{ ogf}$  ]  
A298791 7.96896 [  $(-(-x^5-6x^4-5x^3-15x^2-4x-5)/(-x^6-x^5-x^4+x^2+x+1) \lg\text{dogf})$  ]  
A298801 7.35735 [  $(4x^{11}-3x^{10}-8x^9+2x^8+3x^7+9x^6-2x^5+2x^4-10x^3+3x^2-x+4)/(x^2+x+1)/(x-1)^2 \text{ ogf}$  ]  
A298802 11.4885 [  $(x^2+1)*(x+1)^2/(x^4-2x^3-2x+1) \text{ ogf}$  ]  
A298802 8.19090 [  $(-(4x^5+8x^3-8x^2-4)/(x^7-x^6-x^5-3x^4-3x^3-x^2-x+1) \lg\text{dogf})$  ]  
A298803 7.10361 [  $-(2x^7-3x^6-6x^5-9x^4-9x^3-7x^2-4x-1)/(x^2+x+1)/(x^4-x^3-x^2-x+1) \text{ ogf}$  ]  
A298806 5.54835 [  $(x^2+x+1)*(x^2-x+1)*(x^6+x^5-x^4+x^3-x^2+x+1)/(x^{10}-3x^9+2x^8-x^7-2x^6+3x^5-2x^4-x^3+2x^2-3x+1) \text{ ogf}$  ]  
A298807 5.15288 [  $(2x^{11}-3x^{10}-6x^9-9x^8-12x^7-15x^6-15x^5-13x^4-10x^3-7x^2-4x-1)/(x^4+x^3+x^2+x+1)/(x^6-x^5-x^4-x^3-x^2-x+1) \text{ ogf}$  ]  
A298810 4.83858 [  $(2x^{14}-3x^{12}-3x^{11}-6x^{10}-6x^9-9x^8-9x^7-9x^6-9x^5-7x^4-6x^3-4x^2-3x-1)/(x^2+x+1)/(x^2-x+1)/(x^8-x^6-x^4-x^2+1) \text{ ogf}$  ]  
A298881 24.3020 [  $-6x/(x-1) \text{ egf}$  ]  
A298881 29.3649 [  $1/(-x+1) \lg\text{degf}$  ]  
A298881 8.92097 [  $\{(-n-1)a(n)+a(n+1), a(0) = 0, a(1) = 6\}, \text{ ogf}$  ]  
A298897 9.21758 [  $-x*(x^2+x-1)/(2x-1)/(x^4+x^2-1) \text{ ogf}$  ]  
A298914 5.28633 [  $-(x+1)*(x^7+3x^6+4x^5+2x^4+x^3+2x^2-x-1)/(x-1)/(x^3+x^2+x-1)/(x^4+x^3+x^2+x+1) \text{ ogf}$  ]  
A298915 6.20053 [  $-(4x^8+4x^7+4x^6+4x^5-2x^4-8x^2+2x+1)/(2x-1)/(x-1)/(x^2+x+1)/(x^4+x-1) \text{ ogf}$  ]  
A298919 8.35621 [  $-x*(x^6+3x^2+3x-4)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1) \text{ ogf}$  ]  
A298920 6.38774 [  $-(2x^7+5x^6+4x^5-2x^4+7x^3+7x^2-7x-1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1) \text{ ogf}$  ]  
A298921 5.20378 [  $x*(x^9+12x^8+13x^7-20x^6-4x^5-4x^4-x^3-28x^2-29x+32)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x^2+x-1) \text{ ogf}$  ]  
A298931 5.58895 [  $-(3x^9+2x^6+2x^5+x^3+x^2)/(-x^{10}-x^7-x^6-x^4-x^3-1) \text{ ogf\_with\_Euler\_transform}$  ]  
A298950 8.46006 [  $(-x^5+7x^4+13x^3+23x^2+12x+4)/(x^6+3x^5+x^4-x^2-3x-1) \lg\text{dogf}$  ]  
A298950 9.73361 [  $-(x^2+1)*(x^2+3x+1)/(x+1)^2/(x-1)^3 \text{ ogf}$  ]  
A298959 8.81815 [  $-x*(2x^3-3x^2+2x-2)/(x+1)/(2x^4-4x^3+3x^2-3x+1) \text{ ogf}$  ]  
A298960 4.05922 [  $-x*(2x^9-8x^8+14x^7-6x^6-3x^4-8x^3+8x^2-6x+3)/(x+1)/(2x^{10}-8x^9+16x^8-16x^7+8x^6-9x^5+5x^3-5x^2+4x-1) \text{ ogf}$  ]  
A298965 4.20207 [  $-(24x^7+2x^6-19x^5+3x^4+10x^3+17x^2-4x-4)/(12x^8+8x^7-19x^6-2x^5+11x^4+11x^3-3x^2-7x+1) \text{ ogf}$  ]  
A298976 11.0976 [  $-(20x^4+42x^3+18x^2+10x+3)/(6x^3-1) \text{ ogf}$  ]  
A298976 6.83693 [  $\{-a(n+5)+6a(n+2), a(0) = 3, a(1) = 10, a(2) = 18, a(3) = 60, a(4) = 80\}, \text{ ogf}$  ]  
A298977 14.4510 [  $-12*(3x^2+7x+1)/(7x^2-1) \text{ ogf}$  ]  
A298977 8.53923 [  $\{a(n+3)-7a(n+1), a(0) = 12, a(1) = 84, a(2) = 120\}, \text{ ogf}$  ]  
A298977 9.88753 [  $(-(-49x^2-20x-7)/(-21x^4-49x^3-4x^2+7x+1) \lg\text{dogf})$  ]  
A298992 7.46423 [  $x^2*(2x^3+8x^2+7x+5)/(x+1)^3/(x-1)^4 \text{ ogf}$  ]  
A298992 8.13601 [  $(-(-8x^4-42x^3-56x^2-58x-12)/(-2x^5-8x^4-5x^3+3x^2+7x+5) \lg\text{dogf})$  ]  
A299074 12.5938 [  $1/(x-1)/(6x-1)/(24x-1)/(2x-1) \text{ ogf}$  ]  
A299074 7.34635 [  $(-(-1152x^3+1476x^2-472x+33)/(-288x^4+492x^3-236x^2+33x-1) \lg\text{dogf})$  ]  
A299099 6.83105 [  $-(x^4-x^3-x^2+x+1)/(x^5-x^4-2x^3+3x^2+x-1) \text{ ogf}$  ]  
A299102 3.88021 [  $-(x^9+x^8-4x^7-6x^6+8x^5+9x^4-5x^3-5x^2+x+1)/(x-1)/(x^9+2x^8-3x^7-9x^6+3x^5+14x^4-x^3-7x^2+1) \text{ ogf}$  ]

A299120 8.31685 [  $-(x^4-5x^3+10x^2-5x+1)/(x-1)^5$  ogf]  
A299120 8.77382 [  $-(-x^4+6x^3-15x^2)/(-x^5+6x^4-15x^3+15x^2-6x+1)$  lgdogf]  
A299174 12.4128 [  $\{-a(n+2)+2a(n+1)-a(n), a(0) = 2, a(1) = 4\}$ , ogf]  
A299174 30.8439 [  $2/(x-1)^2$  ogf]  
A299174 36.3518 [  $2/(-x+1)$  lgdogf]  
A299174 78.0400 [  $[2]$  ogf\_with\_Euler\_transform]  
A299198 8.70877 [  $-(-x^4+6x^3-30x^2+6x-1)/(-x^5+6x^4-20x^3+24x^2-11x+2)$  lgdogf]  
A299198 9.07164 [  $-(x^4-5x^3+15x^2-9x+2)/(x-1)^5$  ogf]  
A299206 14.0800 [  $1/(48828125x^2-4830x+1)$  ogf]  
A299206 5.78020 [  $\{a(n+2)-4830a(n+1)+48828125a(n), a(0) = 1, a(1) = 4830\}$ , ogf]  
A299231 8.90996 [  $-(x^7-2x^6+2x^5-x^4-x^3+x^2-x-1)/(x-1)^2$  ogf]  
A299232 9.61379 [  $(x^6-2x^5+2x^4-x^3-x^2+x+2)/(x-1)^2$  ogf]  
A299250 10.7376 [  $(x^4+8x^3+10x^2+2x+9)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A299254 7.96278 [  $-(x+1)*(x^2+x+1)*(x^4+3x^3+3x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A299255 14.9901 [  $-(-7x^2-4x-7)/(-x^4-x^3+x+1)$  lgdogf]  
A299255 38.1813 [  $x^2-5x+7$  ogf\_with\_Euler\_transform]  
A299255 9.31424 [  $-(x+1)^5/(x^2+x+1)/(x-1)^3$  ogf]  
A299256 11.3889 [  $(2x+1)*(x^4-2x^3-2x^2-2x-1)/(x+1)/(x-1)^3$  ogf]  
A299257 6.47874 [  $(x+1)*(2x^8-4x^7+3x^6-5x^5+x^4-3x^3-x^2-x-1)/(x^2+1)^2/(x-1)^3$  ogf]  
A299258 29.2358 [  $-x^5+x^4-2x+5$  ogf\_with\_Euler\_transform]  
A299258 8.28480 [  $-(x^2+x+1)*(x^2-x+1)*(x+1)^3/(x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A299259 10.0341 [  $-(5x^4+6x^3+14x^2+6x+5)/(x^6+x^5+x^4-x^2-x-1)$  lgdogf]  
A299259 29.3561 [  $-x^3+x^2-2x+5$  ogf\_with\_Euler\_transform]  
A299259 9.63674 [  $-(x^2+1)*(x+1)^3/(x^2+x+1)/(x-1)^3$  ogf]  
A299260 5.96922 [  $(x+1)*(x^2+x+1)*(x^4+3x^3+3x+1)/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A299261 10.9129 [  $-(-x^3-9x^2-6x-8)/(-x^4-x^3+x+1)$  lgdogf]  
A299261 31.2135 [  $x^2-5x+8$  ogf\_with\_Euler\_transform]  
A299261 7.07866 [  $(x+1)^5/(x^2+x+1)/(x-1)^4$  ogf]  
A299262 10.4424 [  $-(2x+1)*(x^4-2x^3-2x^2-2x-1)/(x+1)/(x-1)^4$  ogf]  
A299262 8.50548 [  $-(3x^5-11x^4-48x^3-52x^2-29x-7)/(2x^7-3x^6-8x^5-3x^4+2x^3+5x^2+4x+1)$  lgdogf]  
A299263 5.14814 [  $-(x+1)*(2x^8-4x^7+3x^6-5x^5+x^4-3x^3-x^2-x-1)/(x^2+1)^2/(x-1)^4$  ogf]  
A299264 24.9178 [  $-x^5+x^4-2x+6$  ogf\_with\_Euler\_transform]  
A299264 6.22153 [  $(x^2+x+1)*(x^2-x+1)*(x+1)^3/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A299265 23.4747 [  $-x^3+x^2-2x+6$  ogf\_with\_Euler\_transform]  
A299265 7.15459 [  $(x^2+1)*(x+1)^3/(x^2+x+1)/(x-1)^4$  ogf]  
A299266 5.80667 [  $-(4x^{12}-4x^{11}+x^{10}+5x^8+20x^7+18x^6+24x^5+14x^4+16x^3+5x^2+4x+1)/(x+1)/(x^2+x+1)/(x^2+1)^2/(x-1)^3$  ogf]  
A299267 5.49634 [  $(4x^{12}-4x^{11}+x^{10}+5x^8+20x^7+18x^6+24x^5+14x^4+16x^3+5x^2+4x+1)/(x+1)/(x^2+x+1)/(x^2+1)^2/(x-1)^4$  ogf]  
A299268 8.86413 [  $-(x^6+27x^4+30x^3+15x^2+6x+1)/(x-1)^3/(x+1)^3$  ogf]  
A299269 6.77727 [  $(x^6+27x^4+30x^3+15x^2+6x+1)/(x+1)^3/(x-1)^4$  ogf]  
A299272 7.02316 [  $-(x^2+1)*(x^4+3x^3+5x^2+3x+1)*(x+1)^3/(x-1)^3/(x^2+x+1)^3$  ogf]  
A299273 6.26883 [  $(x^2+1)*(x^4+3x^3+5x^2+3x+1)*(x+1)^3/(x^2+x+1)^3/(x-1)^4$  ogf]  
A299276 16.4000 [  $-x^5+x^4-x^3+x^2-x+5$  ogf\_with\_Euler\_transform]  
A299276 6.08014 [  $(x^2+1)*(x^2-x+1)*(x+1)^3/(x^4+x^3+x^2+x+1)/(x-1)^4$  ogf]  
A299279 8.57615 [  $-(4x^7-3x^6+39x^4+44x^3+27x^2+8x+1)/(x-1)^3/(x+1)^3$  ogf]  
A299280 6.61480 [  $(4x^7-3x^6+39x^4+44x^3+27x^2+8x+1)/(x+1)^3/(x-1)^4$  ogf]  
A299281 5.88962 [  $-(x+1)*(x^3+x^2+1)*(x^6-2x^5+x^4+3x^3+2x+1)/(x^2+1)^2/(x-1)^3$  ogf]  
A299282 5.34978 [  $(x+1)*(x^3+x^2+1)*(x^6-2x^5+x^4+3x^3+2x+1)/(x^2+1)^2/(x-1)^4$  ogf]

A299283 7.41364 [  $-(x^6+5x^5+9x^4+11x^3+9x^2+5x+1)/(x^2+1)/(x+1)/(x-1)^3$  ogf]  
A299284 6.45454 [  $(x^6+5x^5+9x^4+11x^3+9x^2+5x+1)/(x^2+1)/(x+1)/(x-1)^4$  ogf]  
A299285 6.98509 [  $-(x^6+8x^5+14x^4+17x^3+14x^2+8x+1)/(x^2+1)/(x+1)/(x-1)^3$  ogf]  
A299286 6.15363 [  $(x^6+8x^5+14x^4+17x^3+14x^2+8x+1)/(x^2+1)/(x+1)/(x-1)^4$  ogf]  
A299287 10.3823 [  $-(x^4+8x^3+13x^2+8x+1)/(x+1)/(x-1)^3$  ogf]  
A299287 7.86230 [  $-(-10x^4-46x^3-74x^2-46x-10)/(-x^6-8x^5-12x^4+12x^2+8x+1)$  lgdogf]  
A299288 8.71203 [  $(x^4+8x^3+13x^2+8x+1)/(x+1)/(x-1)^4$  ogf]  
A299289 9.39209 [  $-(x^4+6x^3+12x^2+6x+1)/(x+1)/(x-1)^3$  ogf]  
A299290 8.14557 [  $(x^4+6x^3+12x^2+6x+1)/(x+1)/(x-1)^4$  ogf]  
A299296 7.11697 [  $-1/2*(-12x^2+(x^2-6x+1)^{1/2}+7x-1)/x/(6x-1)/(x^2-6x+1)^{1/2}$  lgdogf]  
A299316 3.31240 [  $(4x^{11}-11x^{10}-6x^9+21x^8-6x^7-13x^6+37x^5-10x^4-20x^3+8x^2-x+1)/(2x^{10}-4x^9+3x^8-3x^7-x^6-4x^5+10x^4+5x^3-5x^2-2x+1)$  ogf]  
A299322 5.08431 [  $(x^8-2x^7+2x^6-2x^5+x^4+x^2+x+1)/(x-1)/(2x^2-1)/(x^2+1)$  ogf]  
A299335 11.4251 [  $-1/(x+1)^2/(x-1)^7$  ogf]  
A299335 18.4360 [  $-(-9x-5)/(-x^2+1)$  lgdogf]  
A299335 38.3445 [  $[[5+2x]$  ogf\_with\_Euler\_transform]  
A299335 5.96458 [  $\{(n+3)a(n+3)-5a(n+2)+(-10-n)a(n+1), a(0) = 1, a(1) = 5, a(2) = 17\}$ , ogf]  
A299336 18.0345 [  $-(-11x-3)/(-x^2+1)$  lgdogf]  
A299336 38.3801 [  $[[3+4x]$  ogf\_with\_Euler\_transform]  
A299336 5.96731 [  $\{(n+3)a(n+3)-3a(n+2)+(-12-n)a(n+1), a(0) = 1, a(1) = 3, a(2) = 10\}$ , ogf]  
A299336 7.58462 [  $-1/(x+1)^4/(x-1)^7$  ogf]  
A299337 18.0727 [  $-(-12x-2)/(-x^2+1)$  lgdogf]  
A299337 38.4698 [  $[[2+5x]$  ogf\_with\_Euler\_transform]  
A299337 6.02424 [  $\{(n+3)a(n+3)-2a(n+2)+(-13-n)a(n+1), a(0) = 1, a(1) = 2, a(2) = 8\}$ , ogf]  
A299337 7.26136 [  $-1/(x+1)^5/(x-1)^7$  ogf]  
A299338 17.8578 [  $-(-13x-1)/(-x^2+1)$  lgdogf]  
A299338 38.0199 [  $[[1+6x]$  ogf\_with\_Euler\_transform]  
A299338 5.95259 [  $\{(n+3)a(n+3)-a(n+2)+(-14-n)a(n+1), a(0) = 1, a(1) = 1, a(2) = 7\}$ , ogf]  
A299338 6.32755 [  $-1/(x+1)^6/(x-1)^7$  ogf]  
A299412 8.45075 [  $-(9x^5+23x^4+82x^3+52x^2+44x+6)/(3x^6+5x^5+10x^4-x^3-11x^2-4x-2)$  lgdogf]  
A299412 8.59646 [  $3x*(3x^4+5x^3+13x^2+4x+2)/(x+1)^3/(x-1)^4$  ogf]  
A299443 9.40776 [  $-(2x^3+3x^2+7x-3)/(x^4+2x^3+7x^2-6x+1)$  lgdogf]  
A299501 9.77430 [  $-(2x^3-3x^2+7x-3)/(x^4-2x^3+7x^2-6x+1)$  lgdogf]  
A299502 8.69177 [  $-(32x^3+12x^2+x-3)/(16x^4+8x^3+x^2-6x+1)$  lgdogf]  
A299507 3.28104 [  $\{(-n^2-n)a(n)+(13n^2+17n+4)a(n+1)+(13n^2+61n+70)a(n+2)+(-n^2-5n-6)a(n+3), a(0) = 1, a(1) = 3, a(2) = 33\}$ , ogf]  
A299529 5.40905 [  $\{a(n+4), a(0) = 5, a(1) = 35, a(2) = 35, a(3) = 17\}$ , ogf]  
A299530 5.39651 [  $\{a(n+4), a(0) = 10, a(1) = 45, a(2) = 38, a(3) = 17\}$ , ogf]  
A299576 4.00496 [  $(x-1)*(x^{11}+2x^{10}-2x^9-5x^7-14x^6-10x^5-5x^4-5x^3+7x^2+1)/(x^9-2x^6-2x^5-4x^4+x^3+x^2+2x-1)$  ogf]  
A299590 9.14242 [  $-(x^7-x^4+2x^2+3)/(x^2+1)/(x^3+x^2+x-1)$  ogf]  
A299591 5.44192 [  $-(3x^8+4x^7-6x^6-12x^5+x^4+8x^3-x^2-5)/(x^3-x^2-1)/(x^3+2x^2+x-1)$  ogf]  
A299592 5.19020 [  $-(10x^8+14x^7-10x^6-33x^5-9x^4-2x^3-3x^2-8)/(x^3-x^2-1)/(x^3+2x^2+x-1)$  ogf]  
A299593 4.85549 [  $-(29x^8+39x^7-23x^6-92x^5-42x^4-32x^3-7x^2-2x-13)/(x^3-x^2-1)/(x^3+2x^2+x-1)$  ogf]

A299594 4.90574 [  $-(73x^8+102x^7-49x^6-234x^5-127x^4-96x^3-18x^2-5x-21)/(x^3-x^2-1)/(x^3+2x^2+x-1)$  ogf]  
A299639 10.8629 [  $-x*(51453x^3-52162x^2+3x-4)/(x-1)^2$  ogf]  
A299639 7.41117 [  $-(-51453x^3+154359x^2-104321x-5)/(51453x^4-103615x^3+52165x^2-7x+4)$  lgdogf]  
A299640 8.86133 [  $-x*(50743x^6-51120x^5-314x^4-13x^3-5x^2-1)/(x-1)^2$  ogf]  
A299641 12.0706 [  $(4x^3+5x^2+4x+4)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A299645 10.5434 [  $-x*(x+3)*(3x+1)/(x+1)^2/(x-1)^3$  ogf]  
A299645 11.2280 [  $-(-9x^3-43x^2-31x-13)/(-3x^4-10x^3+10x+3)$  lgdogf]  
A299646 10.3255 [  $-(-x^3+5x^2+38x+14)/(-x^4+5x^3+6x^2-9x-1)$  lgdogf]  
A299646 10.8551 [  $-(x^3-4x^2-10x-1)/(x-1)^4$  ogf]  
A299646 4.03188 [  $\{(6481n^2+39287n+52650)*a(n+1)+(1318n^2+45314n+124080)*a(n+2)+(-7799n^2-41761n-55092)*a(n+3), a(0) = 1, a(1) = 14, a(2) = 54\}$ , ogf]  
A299647 11.7972 [  $-(-3x^3-13x^2-20x-8)/(-3x^4-5x^3+5x+3)$  lgdogf]  
A299647 14.3114 [  $(3x^2+5x+3)/(x+1)/(x-1)^2$  ogf]  
A299647 7.72562 [  $\{-a(n+3)+a(n+2)+a(n+1)-a(n), a(0) = 3, a(1) = 8, a(2) = 14\}$ , ogf]  
A299649 6.89340 [  $-(6x^4+x^3-3x^2-4x-4)/(6x^5+x^4-9x^3-5x^2-7x+1)$  ogf]  
A299656 4.14641 [  $-(x+1)*(24x^6+8x^5+13x^4+10x^3+9x^2-4)/(12x^8+32x^7+17x^6+15x^5+18x^4+6x^3-3x^2-7x+1)$  ogf]  
A299723 5.00886 [  $(2x^6+10x^5+11x^4-17x^3-25x^2-12x-1)/(2x^6+11x^5+25x^4+20x^3+8x^2+6x-1)$  ogf]  
A299735 4.31799 [  $-(24x^7+14x^6-25x^5+x^4+2x^3+20x^2-4)/(12x^8+20x^7-23x^6-5x^5+6x^4+13x^3+4x^2-8x+1)$  ogf]  
A299784 9.87419 [  $-(3x^9+7x^8-6x^7+x^6-4x^5+2x^4-4x^3+5x^2+5x+5)/(x-1)/(x^2+x+1)$  ogf]  
A299845 3.14870 [  $\{(n^2+2n)*a(n+1)+(-19n^2-50n-30)*a(n+2)+(19n^2+102n+134)*a(n+3)+(-n^2-6n-8)*a(n+4), a(0) = 1, a(1) = 1, a(2) = 25, a(3) = 425\}$ , ogf]  
A299853 8.02573 [  $\{(-108n^2+216n-96)*a(n)+(n^2+3n+2)*a(n+2), a(0) = 1, a(1) = 12, a(2) = 12\}$ , ogf]  
A299854 7.23889 [  $\{(108n^2+432n+420)*a(n+1)+(-n^2-7n-10)*a(n+3), a(0) = 36, a(1) = -144, a(2) = 864\}$ , ogf]  
A299855 7.63186 [  $\{(-108n^2+48)*a(n)+(n^2+3n+2)*a(n+2), a(0) = 1, a(1) = 6, a(2) = -12\}$ , ogf]  
A299909 5.11194 [  $(x^{10}+5x^9+7x^8+11x^7+12x^6+6x^5+12x^4+11x^3+7x^2+5x+1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A299913 14.2782 [  $-x*(2x+1)/(x+1)/(8x^2-1)$  ogf]  
A299913 7.33204 [  $\{a(n+3)+a(n+2)-8a(n+1)-8a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$ , ogf]  
A299913 9.57478 [  $-(-32x^3-40x^2-16x-1)/(-16x^4-24x^3-6x^2+3x+1)$  lgdogf]  
A299914 12.8498 [  $-x*(3x^2-x-1)/(12x^4-9x^2+1)$  ogf]  
A299915 14.9876 [  $-(24x-9)/(12x^2-9x+1)$  lgdogf]  
A299915 22.0406 [  $x/(12x^2-9x+1)$  ogf]  
A299915 9.13880 [  $\{a(n+2)-9a(n+1)+12a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A299916 10.5274 [  $-(-36x^2+24x-6)/(-36x^3+39x^2-12x+1)$  lgdogf]  
A299916 15.7912 [  $-(-3x-1)/(12x^2-9x+1)$  ogf]  
A299916 8.75173 [  $\{a(n+2)-9a(n+1)+12a(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A299921 7.06239 [  $-x*(x+1)*(x^6+3x^5+6x^4-25x^3+6x^2+3x+1)/(x-1)/(x^2+x+1)/(x^6-34x^3+1)$  ogf]  
A299958 23.1836 [  $x/(1-25x)^{1/5}$  revogf]  
A299960 14.7849 [  $-(4x-1)/(16x-1)/(x-1)$  ogf]  
A299960 8.17515 [  $\{a(n+2)-17a(n+1)+16a(n), a(0) = 1, a(1) = 13\}$ , ogf]  
A299960 9.92697 [  $-(-64x^2+32x-13)/(-64x^3+84x^2-21x+1)$  lgdogf]  
A299965 11.0583 [  $-2x*(2x+1)*(x-10)/(x-1)^4$  ogf]  
A299965 12.1966 [  $-(-4x^2+53x+59)/(-2x^3+21x^2-9x-10)$  lgdogf]  
A299965 4.04571 [  $\{(30+10n)*a(n+4)+(-41+9n)*a(n+3)+(-74-21n)*a(n+2)+(4+2n)*a(n+1), a(0) = 0, a(1) = 20, a(2) = 118, a(3) = 348\}$ , ogf]  
A300067 14.4579 [  $-x^3*(2x^2+2x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A300068 14.8336 [  $x^3*(x^3+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A300069 19.6562 [  $[x^5-2x+2]$  ogf\_with\_Euler\_transform]

A300069 7.42306 [  $-x^3(x+1)/(x-1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A300075 9.21855 [  $-x(2x^4+2x^3+2x^2+x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A300076 17.5146 [  $x^*(x^5+x^2+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A300159 10.9888 [  $-(x^2-5x+5)/(x^3-4x^2+5x-2)$  lgdegf]  
A300177 5.06956 [  $\{a(n+3)-7a(n+2)-7a(n+1)-6a(n), a(0) = 4, a(1) = 32, a(2) = 255\}$ , ogf]  
A300177 9.55736 [  $-(3x^2+4x+4)/(6x^3+7x^2+7x-1)$  ogf]  
A300178 4.42180 [  $-(5x^5+x^4+5x^3-25x^2-16x-8)/(10x^6+x^5+10x^4-51x^3-27x^2-14x+1)$  ogf]  
A300203 7.81812 [  $-(6x^4+7x^3-4)/(6x^5+13x^4-5x^3+2x^2-8x+1)$  ogf]  
A300210 4.25924 [  $-(24x^7+44x^6+21x^5+15x^4+13x^3+12x^2-4)/(12x^8+44x^7+25x^6+4x^5+15x^4+8x^3+4x^2-8x+1)$  ogf]  
A300254 11.4724 [  $50(5x^2+13x+2)/(x-1)^4$  ogf]  
A300254 12.6534 [  $-(10x^2+249x+21)/(5x^3+8x^2-11x-2)$  lgdogf]  
A300254 4.07788 [  $\{(2n+8)a(n+4)+(12+11n)a(n+3)+(-65-8n)a(n+2)+(-15-5n)a(n+1), a(0) = 100, a(1) = 1050, a(2) = 3850, a(3) = 9500\}$ , ogf]  
A300290 10.9561 [  $-x(3x^4+3x^3+2x^2+2x+1)/(x-1)/(x+1)/(x^2+x+1)/(x^2-x+1)$  ogf]  
A300293 16.3688 [  $x^2(x^4+x^3+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A300344 7.45875 [  $-(2x^4+2x^3+2x^2+x+1)/(x^5+2x^4+3x^3+2x^2+x-1)$  ogf]  
A300345 5.18623 [  $(2x^9+x^8-4x^7-3x^6-5x^5-4x^4+2x^3-4x^2+4x+1)/(x^4+x-1)/(x^4+2x^3+2x^2+x-1)$  ogf]  
A300367 3.90151 [  $-x(x^{12}-x^{11}-x^{10}-x^9+x^7+x^6-x^5-x^3-2x^2-1)/(x^2+1)/(x^5-x^4-x^3-x-1)/(x^7-x^6+x^4+2x^3+x^2+x-1)$  ogf]  
A300374 6.29058 [  $-(2x^6-3x^5-x^4-4x^3-2x^2+3x+1)/(x^7-3x^6+x^5+2x^3+4x^2-1)$  ogf]  
A300402 16.1320 [  $-(x^2+x+1)(x^2-x+1)/(x-1)$  ogf]  
A300402 27.1869 [  $[-x^5+x+1]$  ogf\_with\_Euler\_transform]  
A300402 7.31913 [  $\{-a(n+5)+a(n+4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 2, a(4) = 3\}$ , ogf]  
A300403 11.4931 [  $-(-2x^3+3x^2+1)/(x^4-x^3+x-1)$  lgdogf]  
A300403 17.3674 [  $-x^2(x^2-x+1)(x+1)/(x-1)$  ogf]  
A300403 26.8797 [  $-x^5+x^2+1$  ogf\_with\_Euler\_transform]  
A300403 6.62317 [  $\{-a(n+2)+a(n+1), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 1, a(4) = 1, a(5) = 2\}$ , ogf]  
A300404 10.9787 [  $-(-2x^3+2x^2+2x+2)/(x^4-x^2+2x-2)$  lgdogf]  
A300404 16.1320 [  $-(x^3+x^2+2)/(x-1)$  ogf]  
A300404 8.23402 [  $\{a(n+4)-a(n+3), a(0) = 2, a(1) = 2, a(2) = 3, a(3) = 4\}$ , ogf]  
A300415 16.7808 [  $-(x^3-2x^2-2x)/(-x^2+1)$  ogf\_with\_Euler\_transform]  
A300421 7.65104 [  $(x^6-x^4-3x^3+1)/(x^6+2x^5+3x^4-x^2-3x+1)$  ogf]  
A300438 11.4758 [  $-(x^4+4x^3-x^2-2x-4)/(x^5-3x^3-3x^2+1)$  lgdogf]  
A300438 12.5191 [  $(x+1)^3/(x^4-x^3-2x^2-x+1)$  ogf]  
A300451 11.5742 [  $-(-14x^2+2x-2)/(-14x^3+15x^2-6x+1)$  lgdogf]  
A300451 12.5076 [  $-(7x^2-4x+1)/(2x-1)^3$  ogf]  
A300451 6.86260 [  $\{a(n+3)-6a(n+2)+12a(n+1)-8a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$ , ogf]  
A300467 4.87441 [  $(x^6-2x^4-2x^3-10x^2+5x+4)/(x-1)/(x+1)/(x^5-x^4+5x^3-2x^2+6x-1)$  ogf]  
A300500 6.02987 [  $-(2x^6-x^5-2x^4-6x^3-2x^2-x+2)/(x-1)/(x^6-x^5-4x^3-x+1)$  ogf]  
A300522 12.2263 [  $5(7x^2+16x+2)/(x-1)^4$  ogf]  
A300522 12.9455 [  $-(14x^2+62x+24)/(7x^3+9x^2-14x-2)$  lgdogf]  
A300522 4.23220 [  $\{(2n+8)a(n+4)+(18+14n)a(n+3)+(-80-9n)a(n+2)+(-21-7n)a(n+1), a(0) = 10, a(1) = 120, a(2) = 455, a(3) = 1140\}$ , ogf]  
A300523 11.8358 [  $5(2x^2+16x+7)/(x-1)^4$  ogf]  
A300523 12.7191 [  $-(4x^2+52x+44)/(2x^3+14x^2-9x-7)$  lgdogf]  
A300523 4.09700 [  $\{(7n+28)a(n+4)+(-17+9n)a(n+3)+(-80-14n)a(n+2)+(-6-2n)a(n+1), a(0) = 35, a(1) = 220, a(2) = 680, a(3) = 1540\}$ , ogf]  
A300533 7.41683 [  $-(x^5+2x^4+3x^3+2x^2-2x-1)/(x^6-2x^3-4x^2-x+1)$  ogf]  
A300541 3.81456 [  $(x^9+3x^8-2x^7-7x^6-11x^5+2x^4+4x^3-7x^2-6x-1)/(x+1)/$



$(2*x^7+2*x^6+2*x^5-5*x^4-3*x^3+3*x^2+6*x-1)$  ogf]  
A300574 11.6114  $[-(x^6-x^5-x^4+x^2-1)/(-x^8+1)$  ogf\_with\_Euler\_transform]  
A300575 12.5413  $[-(x^6-x^4+x^2+x-1)/(-x^8+1)$  ogf\_with\_Euler\_transform]  
A300576 10.2542  $[-(2*x^3-6*x^2+2*x-2)/(-2*x^4+3*x^3-x^2-x+1)$  lgdogf]  
A300576 14.3919  $[(2*x^3-x^2+1)/(x-1)^2$  ogf]  
A300576 7.19596  $[{-a(n+4)+2*a(n+3)-a(n+2), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 4}$ ], ogf]  
A300583 3.10484 [  
 $(236196*x^{10}-39366*x^9-13122*x^8+2187*x^7+1458*x^6+486*x^5-81*x^4-27*x^3+1)/$   
 $(6*x-1)/(18*x^2-1)/(15309*x^7+1458*x^6-243*x^4-81*x^3+1)$  ogf]  
A300659 4.71401  $[{-a(n+5), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6, a(4) = 8}$ ], ogf]  
A300738 6.71390  $[-x^2*(9*x^6+8*x^5-6*x^3-5*x^2-4*x-3)/(x^3+x^2-1)/(x^6-x^2-1)$  ogf]  
A300760 6.72735  $[-x*(8*x^5+5*x^4+6*x^3+2*x^2+2*x+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A300761 7.28230  $[-x*(5*x^5+x^4+4*x^3+x+1)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5$  ogf]  
A300781 9.68698  $[(6*x^{10}+4*x^9-4*x^8-4*x^7-4*x^6-2*x^5-4*x^4-2*x^3-x^2-1)/(x-1)$  ogf]  
A300793 10.7659  $[{-(-8*x^2+8*x-3)/(-4*x^3+6*x^2-4*x+1)}$  lgdegf]  
A300793 3.25008  $[{(4*n^3+32*n^2+84*n+72)*a(n+1)+(-6*n^2-38*n-60)*a(n+2)+(4*n+15)*a(n+3)-a(n+4), a(0) = 1, a(1) = 3, a(2) = 13, a(3) = 75}$ ], ogf]  
A300799 10.3623  $[-4*(2*x+1)*(x-1)/(x+1)/(5*x^2-8*x+1)$  ogf]  
A300799 5.49651  $[{a(n+3)-7*a(n+2)-3*a(n+1)+5*a(n), a(0) = 4, a(1) = 32, a(2) = 228}$ ], ogf]  
A300799 6.19705  $[{-(-10*x^4+10*x^3-2*x^2-2*x-8)/(-10*x^5+11*x^4+16*x^3-12*x^2-6*x+1)}$  lgdogf]  
A300843 10.7385  $[-(4*x^2+2*x-36)/(x^3-x^2-6*x+6)$  lgdegf]  
A300843 4.17967  $[{(-2*n^2-12*n-18)*a(n+1)+(-n^2-7*n-18)*a(n+2)+(n+1)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 9}$ ], ogf]  
A300843 7.67038  $[-3/4*x^2*(x^2-6)/(x-1)^6$  egf]  
A300846 4.33664  $[{(-n^2-4*n-4)*a(n+1)+(5*n^2+27*n+54)*a(n+2)+(-4*n^2-8*n-4)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 24}$ ], ogf]  
A300846 6.89920  $[12*x^2*(x^3+12*x^2+15*x+2)/(x-1)^6$  ogf]  
A300846 8.92838  $[-(3*x^3+51*x^2+99*x+27)/(x^4+11*x^3+3*x^2-13*x-2)$  lgdogf]  
A300847 11.0623  $[12*x^5/(x-1)^6$  ogf]  
A300847 28.8409  $[6/(-x+1)$  lgdogf]  
A300847 5.45639  $[{(-3+n)*a(n+2)+(-2-n)*a(n+1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 12}$ ], ogf]  
A300847 61.6634  $[[6]$  ogf\_with\_Euler\_transform]  
A300850 4.35375  $[{(12*n^2+30*n)*a(n+1)+(n^2+22*n+21)*a(n+2)+(-n^2-3*n-2)*a(n+3), a(0) = 0, a(1) = 0, a(2) = 10}$ ], ogf]  
A300851 4.71023  $[x^2*(40*x^4-8*x^3-281*x^2+456*x+3)/(x-1)^8$  egf]  
A300910 7.47892  $[(-1-I*pi)/(x-1)^3*(x+1)+1/(x-1)^3*(1+(x+1)*ln(x-1))$  lgdegf]  
A300925 3.73518  $[(x^9+4*x^8-x^7-11*x^6-4*x^5+9*x^4+5*x^3-3*x^2-5*x-1)/(2*x^8+6*x^7+3*x^6-6*x^5-9*x^4-3*x^3+6*x^2+6*x-1)$  ogf]  
A300950 4.74013 [  
 $(x^{15}+3*x^{14}+x^{13}+3*x^{12}+x^{11}+3*x^{10}+x^9+3*x^8+33*x^7+3*x^6+x^5+3*x^4+x^3+3*x^2+x+3)/(x+1)/(x^2+1)/(x^8+1)/(x^4+1)/(x-1)^2$  ogf]  
A301137 6.32525  $[-(2*x^{11}-x^9+7*x^7+26*x^6+28*x^5+28*x^4+16*x^3+9*x^2+4*x+1)/(x-1)^3/(x^2+x+1)^3$  ogf]  
A301138 4.69308  $[-(x^9+3*x^8+x^7+21*x^6+14*x^5+18*x^4+13*x^3+5*x^2+3*x+1)/(x^2+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A301139 4.47392 [  
 $(2*x^{11}-3*x^{10}-3*x^8-18*x^7-6*x^6-18*x^5-10*x^4-8*x^3-5*x^2-2*x-1)/(x+1)/(x^2+1)^3/(x-1)^3$  ogf]  
A301270 6.77296  $[-1/9*4^{(1/3)}*3^{(2/3)}*ln(4/3)/(x+4/3)^{(1/3)}+1/9*4^{(1/3)}*3^{(2/3)}/(x+4/3)^{(1/3)}*ln(x+4/3)$  revegef]  
A301271 6.38712  $[{(n+2)*a(n+2)+(-14-16*n)*a(n+1), a(0) = 1, a(1) = -2}$ ], ogf]  
A301272 3.54329  $[{(-8*n^2-8*n)*a(n)+(-2*n^2+2*n+4)*a(n+1)+(5*n^2-4*n-1)*a(n$

+2)+(-n^2+n)\*a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1, a(4) = 6}], ogf]  
A301272 9.00077 [-(48\*x^4+48\*x^2-6)/(16\*x^5+4\*x^4-2\*x^3+4\*x^2-5\*x+1) lgdogf]  
A301272 9.78834 [ -x^3\*(2\*x^2+1)/(4\*x-1)/(2\*x-1)^2/(x+1)^2 ogf]  
A301281 8.96469 [ (223\*x^7-176\*x^6-39\*x^5-x^4-6\*x^3-x^2-1)/(x-1) ogf]  
A301282 8.49399 [ (224\*x^7-176\*x^6-39\*x^5-x^4-6\*x^3-2\*x^2+x-2)/(x-1) ogf]  
A301283 5.21306 [ -(x^10-x^8-3\*x^7-6\*x^6-6\*x^5-9\*x^4-5\*x^3-5\*x^2-2\*x-1)/(x^2+x+1)/(x^2+1)^2/(x-1)^2 ogf]  
A301284 5.28192 [ (x^10-x^8-3\*x^7-6\*x^6-6\*x^5-9\*x^4-5\*x^3-5\*x^2-2\*x-1)/(x^2+1)^2/(x^2+x+1)/(x-1)^3 ogf]  
A301285 5.58267 [ (x^8+2\*x^7+5\*x^6+7\*x^5+7\*x^4+7\*x^3+5\*x^2+2\*x+1)/(x^2+x+1)/(x^2+1)^2/(x-1)^2 ogf]  
A301286 5.58470 [ -(x^8+2\*x^7+5\*x^6+7\*x^5+7\*x^4+7\*x^3+5\*x^2+2\*x+1)/(x^2+1)^2/(x^2+x+1)/(x-1)^3 ogf]  
A301287 6.30539 [ -(2\*x^8-2\*x^7-x^6-4\*x^5-2\*x^4-2\*x^3-4\*x^2-2\*x-1)/(x^2+1)/(x^2+x+1)/(x-1)^2 ogf]  
A301288 6.47636 [ (2\*x^8-2\*x^7-x^6-4\*x^5-2\*x^4-2\*x^3-4\*x^2-2\*x-1)/(x^2+1)/(x^2+x+1)/(x-1)^3 ogf]  
A301289 5.86565 [ -(2\*x^9-6\*x^8+4\*x^7-6\*x^6-3\*x^4-4\*x^3-2\*x-1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2 ogf]  
A301290 5.96664 [ (2\*x^9-6\*x^8+4\*x^7-6\*x^6-3\*x^4-4\*x^3-2\*x-1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3 ogf]  
A301291 9.75088 [ (x^4+3\*x^3+x^2+3\*x+1)/(x^2+1)/(x-1)^2 ogf]  
A301292 8.35714 [ -(x^4+3\*x^3+x^2+3\*x+1)/(x^2+1)/(x-1)^3 ogf]  
A301293 10.9056 [ -(-4\*x^3-2\*x^2-2\*x-4)/(-x^5-x^3+x^2+1) lgdogf]  
A301293 25.0060 [x^3-2\*x^2-x+4 ogf\_with\_Euler\_transform]  
A301293 9.75088 [ (x^2+x+1)^2/(x^2+1)/(x-1)^2 ogf]  
A301294 23.4167 [x^3-2\*x^2-x+5 ogf\_with\_Euler\_transform]  
A301294 8.35714 [ -(x^2+x+1)^2/(x^2+1)/(x-1)^3 ogf]  
A301294 9.25255 [ -(-x^4-5\*x^3-4\*x^2-3\*x-5)/(-x^5-x^3+x^2+1) lgdogf]  
A301298 10.8165 [ (x^4+4\*x^3+4\*x^2+4\*x+1)/(x^2+x+1)/(x-1)^2 ogf]  
A301299 13.7012 [ (x^2+x+1)\*(x^3+x^2+1)\*(x^3+x+1)\*(x+1)^2/(x-1)^2/(x^4+x^3+x^2+x+1)^2 ogf]  
A301300 6.01649 [ -(x^2+x+1)\*(x^3+x^2+1)\*(x^3+x+1)\*(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x-1)^3 ogf]  
A301301 9.60852 [ -(x^15-x^14+2\*x^13-x^12-x^9-2\*x^8-2\*x^7-4\*x^6-4\*x^5-5\*x^4-4\*x^3-3\*x^2-2\*x-1)\*(x+1)^2/(x-1)^2/(x^4+x^3+x^2+x+1)^2 ogf]  
A301302 4.37512 [ (x^15-x^14+2\*x^13-x^12-x^9-2\*x^8-2\*x^7-4\*x^6-4\*x^5-5\*x^4-4\*x^3-3\*x^2-2\*x-1)\*(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x-1)^3 ogf]  
A301318 14.6453 [ -x\*(x^4+2\*x^3-3\*x^2-2\*x-1)/(x^6-6\*x^3+1) ogf]  
A301379 4.73386 [ -(2\*x^7-26\*x^6-28\*x^5+40\*x^4+37\*x^3-13\*x^2-10\*x-1)/(6\*x^9-4\*x^8-142\*x^7-92\*x^6+234\*x^5+170\*x^4-77\*x^3-59\*x^2-4\*x+1) ogf]  
A301380 4.77706 [ -(30\*x^7+24\*x^6-108\*x^5-98\*x^4+43\*x^3+45\*x^2+4\*x-1)/(6\*x^9-4\*x^8-142\*x^7-92\*x^6+234\*x^5+170\*x^4-77\*x^3-59\*x^2-4\*x+1) ogf]  
A301383 13.3895 [ (2\*x^2-3\*x-1)/(x-1)/(x^2-6\*x+1) ogf]  
A301383 7.16455 [ {-a(n+3)+7\*a(n+2)-7\*a(n+1)+a(n), a(0) = 1, a(1) = 10, a(2) = 61}, ogf]  
A301383 8.08672 [ -(2\*x^4-6\*x^3+4\*x^2+18\*x-10)/(2\*x^5-17\*x^4+34\*x^3-16\*x^2-4\*x+1) lgdogf]  
A301402 14.3129 [ -4\*(x+1)/(7\*x^2+7\*x-1) ogf]  
A301402 7.76002 [ {a(n+2)-7\*a(n+1)-7\*a(n), a(0) = 4, a(1) = 32}, ogf]  
A301402 9.75882 [ -(-7\*x^2-14\*x-8)/(-7\*x^3-14\*x^2-6\*x+1) lgdogf]  
A301403 5.23397 [ -4\*(x^4-6\*x^3+x^2+6\*x+2)/(4\*x^5-29\*x^4+9\*x^3+40\*x^2+13\*x-1) ogf]  
A301417 8.03056 [ -(x^4+3\*x^3+3\*x^2+x-1)/(x-1)/(x^4+4\*x^3+6\*x^2+4\*x-1) ogf]  
A301420 6.17948 [ -(x^2+x+1)\*(x^3+3\*x^2+2\*x-1)/(x-1)/(x^5+5\*x^4+10\*x^3+10\*x^2+5\*x-1) ogf]  
A301424 5.11044 [ -(x^7+6\*x^6+15\*x^5+20\*x^4+15\*x^3+6\*x^2+x-1)/(x-1)/(x^7+7\*x^6+21\*x^5+35\*x^4+35\*x^3+21\*x^2+7\*x-1) ogf]  
A301438 11.0895 [ -4\*(2\*x^2-1)/(5\*x^3+4\*x^2-8\*x+1) ogf]

A301438 5.49651 [  $\{-a(n+3)+8*a(n+2)-4*a(n+1)-5*a(n), a(0) = 4, a(1) = 32, a(2) = 232\}$ , ogf]  
A301438 6.87064 [  $\{-(-10*x^4-x^2+12*x-8)/(-10*x^5-8*x^4+21*x^3+2*x^2-8*x+1)$   
lgdogf]  
A301451 10.9349 [  $\{-(-2*x^3-14*x^2-13*x-7)/(-2*x^4-6*x^3+x^2+6*x+1)$  lgdogf]  
A301451 14.6993 [  $\{(2*x^2+6*x+1)/(x+1)/(x-1)^2$  ogf]  
A301451 7.93504 [  $\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0) = 1, a(1) = 7, a(2) = 10\}$ ,  
ogf]  
A301454 11.4228 [  $\{(4*x^9-2*x^7-2*x^6-2*x^5-2*x^4-2*x^3-x^2-1)/(x-1)$  ogf]  
A301459 4.09486 [  $\{32*x^2*(960*x^6-1920*x^5+1456*x^4-516*x^3+92*x^2-14*x+3)/$   
 $(2*x-1)^4$  ogf]  
A301476 11.5471 [  $\{-(-64*x^2+32*x-6)/(-32*x^3+24*x^2-8*x+1)$  lgdogf]  
A301476 3.84903 [  $\{(n+4)*a(n+4)+(-30-8*n)*a(n+3)+(80+24*n)*a(n+2)+(-96-32*n)*a(n$   
 $+1), a(0) = 1, a(1) = 6, a(2) = 26, a(3) = 100\}$ , ogf]  
A301504 15.2052 [  $\{-(x^4+x^3-x+1)/(x^8-1)$  ogf\_with\_Euler\_transform]  
A301505 12.5494 [  $\{-(x^6-x^5+x^3+x^2)/(x^8-1)$  ogf\_with\_Euler\_transform]  
A301507 15.0439 [  $\{-(x^5-x^4+x^3-1)/(x^8+1)$  ogf\_with\_Euler\_transform]  
A301508 14.3474 [  $\{-(x^6-x^3+x^2+x)/(x^8-1)$  ogf\_with\_Euler\_transform]  
A301562 13.3622 [  $\{-(x^6-x^5+x^3-1)/(x^{10}+1)$  ogf\_with\_Euler\_transform]  
A301563 14.5259 [  $\{-(x^7-x^2+x-1)/(x^{10}+1)$  ogf\_with\_Euler\_transform]  
A301564 13.6064 [  $\{-(x^8+x^7-x^6-x)/(x^{10}+1)$  ogf\_with\_Euler\_transform]  
A301565 12.3905 [  $\{-(x^8-x^5+x^3+x^2)/(x^{10}-1)$  ogf\_with\_Euler\_transform]  
A301567 13.9511 [  $\{-(x^5-x^4+x-1)/(x^{10}+1)$  ogf\_with\_Euler\_transform]  
A301568 12.7040 [  $\{-(x^6+x^4-x^3+x)/(x^{10}-1)$  ogf\_with\_Euler\_transform]  
A301569 11.8404 [  $\{-(x^7+x^5-x^4-x^2)/(x^{10}+1)$  ogf\_with\_Euler\_transform]  
A301570 11.7455 [  $\{-(x^8+x^7-x^4-x^3)/(x^{10}+1)$  ogf\_with\_Euler\_transform]  
A301571 10.9697 [  $\{-x*(3*x-2)*(3*x-5)/(3*x-1)/(x-1)^2$  ogf]  
A301571 5.48487 [  $\{-a(n+4)+5*a(n+3)-7*a(n+2)+3*a(n+1), a(0) = 0, a(1) = 10, a(2)$   
 $= 29, a(3) = 84\}$ , ogf]  
A301571 8.16636 [  $\{-(27*x^3-99*x^2+93*x-29)/(27*x^4-99*x^3+123*x^2-61*x+10)$   
lgdogf]  
A301588 14.5563 [  $\{-(2*x^4-x^3+x+1)/(x^6-1)$  ogf\_with\_Euler\_transform]  
A301589 19.6832 [  $\{-(2*x-1)/(x^3+1)$  ogf\_with\_Euler\_transform]  
A301601 10.2041 [  $\{-(x^8-x^7+10*x^3-10*x^2+17*x-18)/(x-1)^2$  ogf]  
A301610 3.59970 [  $\{-(x^9-6*x^8+2*x^7+7*x^6+3*x^5-12*x^4-8*x^3+6*x^2+7*x+1)/(x^4-$   
 $x^2+1)/(x^6-5*x^5-2*x^4-x^3+11*x^2+4*x-1)$  ogf]  
A301617 9.75590 [  $\{(17*x^4+36*x^3+18*x^2+18*x+1)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A301621 9.90079 [  $\{(7*x^4+36*x^3+18*x^2+18*x+11)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A301622 9.78005 [  $\{(23*x^4+18*x^3+18*x^2+18*x+13)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A301623 9.78005 [  $\{(13*x^4+18*x^3+18*x^2+18*x+23)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A301628 9.75590 [  $\{(11*x^4+18*x^3+18*x^2+36*x+7)/(x^2+1)/(x+1)/(x-1)^2$  ogf]  
A301647 10.9558 [  $\{-(-3*x^3-7*x^2-25*x-13)/(-x^4-x^3-3*x^2+x+4)$  lgdogf]  
A301647 11.0910 [  $\{2*x*(x^2+x+4)/(x+1)/(x-1)^4$  ogf]  
A301653 13.9402 [  $\{x*(2*x+1)/(x-1)/(x+1)/(x^2+x-1)$  ogf]  
A301653 9.43866 [  $\{-(6*x^4+8*x^3-x^2-4*x-3)/(2*x^5+3*x^4-3*x^3-4*x^2+x+1)$  lgdogf]  
A301654 10.5849 [  $\{x^2*(x^2-x-1)/(x^2+x+1)/(x-1)^3$  ogf]  
A301654 4.26405 [  $\{(n^2+9*n+16)*a(n+1)+(2*n+8)*a(n+2)+(2*n+8)*a(n+3)+(-$   
 $n^2-7*n-8)*a(n+4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3\}$ , ogf]  
A301654 9.37202 [  $\{-(-3*x^4+2*x^3+5*x^2+2*x+3)/(-x^5+x^4+x^3+x^2-x-1)$  lgdogf]  
A301657 11.7931 [  $\{-(3*x^3+2*x^2+2*x-3)/(x^3+x^2+x-1)/(x-1)$  ogf]  
A301658 7.82586 [  $\{-(5*x^4-6*x^3-8*x^2-4*x+5)/(x-1)/(x^4-x^3-2*x^2-x+1)$  ogf]  
A301659 3.65086 [  $\{-(16*x^{10}+2*x^9-$   
 $x^8-20*x^7-40*x^6-6*x^5-12*x^4+20*x^3+4*x^2+15*x-8)/(x-1)/(x^3+x-1)/$   
 $(2*x^7+x^6-2*x^5-2*x^4-3*x^3-2*x^2-x+1)$  ogf]  
A301670 5.64919 [  $\{-(2*x^9-x^8-5*x^7-16*x^6-21*x^5-22*x^4-19*x^3-12*x^2-5*x-1)/$   
 $(x^2+1)/(x^2+x+1)/(x-1)^2/(x+1)^2$  ogf]  
A301671 6.57633 [  $\{(2*x^9-x^8-5*x^7-16*x^6-21*x^5-22*x^4-19*x^3-12*x^2-5*x-1)/$   
 $(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^3$  ogf]  
A301672 7.04942 [  $\{(x^3+2*x^2+x+1)*(x^3+x^2+2*x+1)/(x^2+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A301673 8.31248 [  $\{-(x^3+2*x^2+x+1)*(x^3+x^2+2*x+1)/(x^2+1)/(x^2+x+1)/(x-1)^3$   
ogf]

A301674 6.42500 [  $-(2*x^8-x^7-5*x^6-18*x^5-20*x^4-20*x^3-12*x^2-5*x-1)/(x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A301675 7.84293 [  $(2*x^8-x^7-5*x^6-18*x^5-20*x^4-20*x^3-12*x^2-5*x-1)/(x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A301676 7.74603 [  $-(x^2+1)*(x^4-x^3-2*x^2-2*x-1)*(x+1)^2/(x-1)^2/(x^2+x+1)^2$  ogf]  
A301677 8.21346 [  $(x^2+1)*(x^4-x^3-2*x^2-2*x-1)*(x+1)^2/(x^2+x+1)^2/(x-1)^3$  ogf]  
A301678 10.3035 [  $-(x+1)*(2*x^11-2*x^10-x^9-3*x^8-3*x^7-7*x^6-4*x^5-6*x^4-5*x^3-3*x^2-3*x-1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A301679 5.69323 [  $(x+1)*(2*x^11-2*x^10-x^9-3*x^8-3*x^7-7*x^6-4*x^5-6*x^4-5*x^3-3*x^2-3*x-1)/(x^2+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A301680 14.0652 [  $-(x+1)*(x^7-x^6-x^5-x^4-2*x^2-x-1)*(x^3+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A301681 7.75310 [  $(x+1)*(x^7-x^6-x^5-x^4-2*x^2-x-1)*(x^3+x+1)/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^3$  ogf]  
A301682 12.2429 [  $-(6*x^7+12*x^6+54*x^5+54*x^4+54*x^3+54*x^2+12*x+6)/(x^9+6*x^8+6*x^7+15*x^6-15*x^3-6*x^2-6*x-1)$  lgdogf]  
A301682 19.5887 [  $(x^6+6*x^5+6*x^4+16*x^3+6*x^2+6*x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A301683 9.97145 [  $-(x^6+6*x^5+6*x^4+16*x^3+6*x^2+6*x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A301684 18.9568 [  $-(2*x^8-2*x^6-3*x^4-3*x^3-4*x^2-3*x-1)/(x^2+x+1)/(x-1)^2$  ogf]  
A301684 9.58141 [  $-(8*x^10-2*x^9-6*x^8-14*x^7+2*x^6+18*x^5+14*x^4+28*x^3+20*x^2+12*x+4)/(-2*x^11+2*x^9+2*x^8+3*x^7+x^6+4*x^5-2*x^3-4*x^2-3*x-1)$  lgdogf]  
A301685 10.0255 [  $(2*x^8-2*x^6-3*x^4-3*x^3-4*x^2-3*x-1)/(x^2+x+1)/(x-1)^3$  ogf]  
A301686 9.16424 [  $(x^6+5*x^5+7*x^4+12*x^3+7*x^2+5*x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A301687 10.3519 [  $-(x^6+5*x^5+7*x^4+12*x^3+7*x^2+5*x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A301688 9.16424 [  $(x^6+4*x^5+9*x^4+10*x^3+9*x^2+4*x+1)/(x-1)^2/(x^2+x+1)^2$  ogf]  
A301689 9.67127 [  $-(x^6+4*x^5+9*x^4+10*x^3+9*x^2+4*x+1)/(x^2+x+1)^2/(x-1)^3$  ogf]  
A301690 13.6256 [  $(x^2+x+1)*(x^8+5*x^7+4*x^5+8*x^4+4*x^3+5*x+1)/(x-1)^2/(x^4+x^3+x^2+x+1)^2$  ogf]  
A301691 7.49238 [  $-(x^2+x+1)*(x^8+5*x^7+4*x^5+8*x^4+4*x^3+5*x+1)/(x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]  
A301692 11.8720 [  $-(x^5-x^4-x^3-x-1)*(x^6+x^5+x^4+x^3+x^2+x+1)*(x+1)^2/(x-1)^2/(x^4+x^3+x^2+x+1)^2$  ogf]  
A301693 13.8454 [  $(x^5-x^4-x^3-x-1)*(x^6+x^5+x^4+x^3+x^2+x+1)*(x+1)^2/(x^4+x^3+x^2+x+1)^2/(x-1)^3$  ogf]  
A301694 10.7691 [  $(x^4+5*x^3+4*x^2+5*x+1)/(x^2+x+1)/(x-1)^2$  ogf]  
A301695 9.24830 [  $-(x^4+5*x^3+4*x^2+5*x+1)/(x^2+x+1)/(x-1)^3$  ogf]  
A301696 11.2831 [  $-(-x^3-7*x^2-4*x-6)/(-x^4-x^3+x+1)$  lgdogf]  
A301696 32.3137 [  $x^2-4*x+6$  ogf\_with\_Euler\_transform]  
A301696 8.73529 [  $-(x+1)^4/(x^2+x+1)/(x-1)^3$  ogf]  
A301697 10.2382 [  $-(5*x^9+5*x^8+13*x^7+9*x^6+16*x^5+16*x^4+9*x^3+13*x^2+5*x+5)/(x^11+2*x^10+4*x^8-2*x^7+5*x^6-5*x^5+2*x^4-4*x^3-2*x-1)$  lgdogf]  
A301697 15.2260 [  $(x^6+3*x^5+2*x^4+4*x^3+2*x^2+3*x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A301698 9.24120 [  $-(x^6+3*x^5+2*x^4+4*x^3+2*x^2+3*x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^3$  ogf]  
A301699 9.75207 [  $-x*(2*x-1)*(x+1)/(2*x^2-1)/(2*x^2+3*x-1)$  ogf]  
A301708 9.75555 [  $(x^4+4*x^3+x^2+4*x+1)/(x^2+1)/(x-1)^2$  ogf]  
A301709 11.0805 [  $-(x^4+4*x^3+x^2+4*x+1)/(x^2+1)/(x-1)^3$  ogf]  
A301710 9.75555 [  $(x^4+3*x^3+3*x^2+3*x+1)/(x^2+1)/(x-1)^2$  ogf]  
A301711 10.2886 [  $-(x^4+3*x^3+3*x^2+3*x+1)/(x^2+1)/(x-1)^3$  ogf]  
A301712 11.7976 [  $(x^8+3*x^7+x^6+2*x^5+4*x^4+2*x^3+x^2+3*x+1)*(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4+1)/(x-1)^2$  ogf]  
A301713 5.16053 [  $-(x^8+3*x^7+x^6+2*x^5+4*x^4+2*x^3+x^2+3*x+1)*(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x^4+1)/(x-1)^3$  ogf]  
A301714 11.7503 [  $(x^10+4*x^9+7*x^8+4*x^7+6*x^6+10*x^5+6*x^4+4*x^3+7*x^2+4*x+1)/(x^4+x^3+x^2+x+1)/(x^4+1)/(x-1)^2$  ogf]  
A301715 5.96181 [  $-(x^10+4*x^9+7*x^8+4*x^7+6*x^6+10*x^5+6*x^4+4*x^3+7*x^2+4*x$

+1)/(x^4+x^3+x^2+x+1)/(x^4+1)/(x-1)^3 ogf]  
A301716 7.06142 [ (x^8+6\*x^7+12\*x^6+17\*x^5+12\*x^4+17\*x^3+12\*x^2+6\*x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A301717 7.05815 [ -(x^8+6\*x^7+12\*x^6+17\*x^5+12\*x^4+17\*x^3+12\*x^2+6\*x+1)/(x^2+x+1)/(x^4+x^3+x^2+x+1)/(x-1)^3 ogf]  
A301718 8.95965 [ (x^4+2\*x^3+x^2+2\*x+1)\*(x+1)^2/(x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A301719 9.45404 [ -(x^4+2\*x^3+x^2+2\*x+1)\*(x+1)^2/(x^4+x^3+x^2+x+1)/(x-1)^3 ogf]  
A301720 11.0763 [ -(-6\*x^7-18\*x^6-54\*x^5-66\*x^4-66\*x^3-54\*x^2-18\*x-6)/(-x^9-6\*x^8-9\*x^7-15\*x^6-3\*x^5+3\*x^4+15\*x^3+9\*x^2+6\*x+1) lgdogf]  
A301720 19.6912 [ (x^6+6\*x^5+9\*x^4+16\*x^3+9\*x^2+6\*x+1)/(x-1)^2/(x^2+x+1)^2 ogf]  
A301721 9.81891 [ -(x^6+6\*x^5+9\*x^4+16\*x^3+9\*x^2+6\*x+1)/(x^2+x+1)^2/(x-1)^3 ogf]  
A301722 12.1186 [ -(2\*x^7-3\*x^6+2\*x^5-x^4+18\*x^3+15\*x^2+10\*x+5)/(-x^8+x^7+2\*x^6+3\*x^5+2\*x^4-x^3-2\*x^2-3\*x-1) lgdogf]  
A301722 20.9581 [ -(x^2+1)\*(x^2-2\*x-1)\*(x+1)^2/(x^2+x+1)/(x-1)^2 ogf]  
A301723 8.51576 [ (x^2+1)\*(x^2-2\*x-1)\*(x+1)^2/(x^2+x+1)/(x-1)^3 ogf]  
A301724 10.6673 [ (x^10+4\*x^9+6\*x^7+x^6+3\*x^5+x^4+6\*x^3+4\*x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A301725 4.88689 [ -(x^10+4\*x^9+6\*x^7+x^6+3\*x^5+x^4+6\*x^3+4\*x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^3 ogf]  
A301726 9.73464 [ (x^2+x+1)\*(x^8+2\*x^7+3\*x^4+2\*x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2 ogf]  
A301727 5.62542 [ -(x^2+x+1)\*(x^8+2\*x^7+3\*x^4+2\*x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^3 ogf]  
A301728 9.15888 [ (2\*x^2+x+1)\*(x^4+x^2+x+1)/(x-1)^2/(x^2+x+1)^2 ogf]  
A301729 9.56226 [ (x^4-x^3+3\*x^2-x+1)/(x^2+1)/(x-1)^2 ogf]  
A301730 7.53368 [ (x+1)\*(x^7-2\*x^6+3\*x^5+2\*x^4+2\*x^3+x^2+4\*x+1)/(x^4+x^3+x^2+x+1)/(x-1)^2 ogf]  
A301739 7.72374 [ (x^4+x^3+2\*x^2+2\*x+2)/(x^2+x+1)/(x+1)^2/(x-1)^4 ogf]  
A301740 7.06183 [ -(x^6+2\*x^5+5\*x^4+5\*x^3+6\*x^2+3\*x+3)/(x^2+1)/(x^2+x+1)/(x+1)^2/(x-1)^5 ogf]  
A301772 9.45773 [ 2\*x\*(2\*x^3-x^2+1)/(x^3-x^2-2\*x-1)/(x^3-x^2+2\*x-1) ogf]  
A301773 12.0350 [ -4\*x\*(x-1)\*(x+1)/(x^2+x+1)/(x^2-3\*x+1) ogf]  
A301773 7.82276 [ -(2\*x^5-2\*x^4-4\*x^3+8\*x^2+2)/(x^6-2\*x^5-2\*x^4+2\*x^2+2\*x-1) lgdogf]  
A301774 10.2331 [ -2\*(x+1)\*(x^2-3\*x-1)/(x^2+x+1)/(x^2-3\*x+1) ogf]  
A301775 9.56806 [ -2\*x\*(x^3-x^2-3\*x-6)/(x^2+x+1)/(x^2-3\*x+1) ogf]  
A301779 14.1798 [ -4\*(x+1)/(4\*x^2+7\*x-1) ogf]  
A301779 7.68783 [ {a(n+2)-7\*a(n+1)-4\*a(n), a(0) = 4, a(1) = 32}, ogf]  
A301779 9.81677 [ -(-4\*x^2-8\*x-8)/(-4\*x^3-11\*x^2-6\*x+1) lgdogf]  
A301780 5.97427 [ -8\*(2\*x+1)\*(4\*x^2-x-1)/(64\*x^4+16\*x^3-20\*x^2-13\*x+1) ogf]  
A301785 5.03478 [ (x-1)\*(x^8+x^7-7\*x^6-7\*x^5+9\*x^4+4\*x^3-8\*x^2+1)/(x^2-3\*x+1)/(x^2+x-1)^3 ogf]  
A301786 10.5981 [ -(3\*x^3+2\*x^2-4\*x-5)/(x^4-2\*x^2-x+1) ogf]  
A301787 11.8744 [ -(5\*x^3+3\*x^2+2\*x-8)/(x^3+x^2+x-1)/(x-1) ogf]  
A301788 6.96449 [ -(8\*x^5+13\*x^4+16\*x^3+10\*x^2-9\*x-13)/(x^6+x^5+x^4-2\*x^2-x+1) ogf]  
A301789 7.79400 [ -(13\*x^5+8\*x^4+18\*x^3+11\*x^2+7\*x-21)/(x^3+x^2-1)/(x^3-x^2+2\*x-1) ogf]  
A301791 10.8328 [ (x^4-x^3-4\*x^2+x+2)/(x^2+x-1)/(x-1) ogf]  
A301791 5.88551 [ {a(n+5)-2\*a(n+4)+a(n+2), a(0) = 2, a(1) = 5, a(2) = 6, a(3) = 9, a(4) = 14}, ogf]  
A301792 10.5970 [ (4\*x^4-3\*x^3-14\*x^2+5\*x+4)/(x^2+x-1)/(x-1) ogf]  
A301792 5.70607 [ {-a(n+5)+2\*a(n+4)-a(n+2), a(0) = 4, a(1) = 13, a(2) = 12, a(3) = 17, a(4) = 25}, ogf]  
A301793 10.1229 [ (15\*x^4-8\*x^3-44\*x^2+18\*x+8)/(x^2+x-1)/(x-1) ogf]  
A301793 5.60652 [ {a(n+5)-2\*a(n+4)+a(n+2), a(0) = 8, a(1) = 34, a(2) = 24, a(3) = 32, a(4) = 45}, ogf]  
A301794 10.1446 [ (49\*x^4-19\*x^3-130\*x^2+57\*x+16)/(x^2+x-1)/(x-1) ogf]  
A301794 5.80798 [ {-a(n+5)+2\*a(n+4)-a(n+2), a(0) = 16, a(1) = 89, a(2) = 48, a(3) = 61, a(4) = 82}, ogf]  
A301795 8.83665 [ (x^5+151\*x^4-44\*x^3-370\*x^2+169\*x+32)/(x^2+x-1)/(x-1) ogf]

A301796 7.81135 [  $(x^6+6x^5+443x^4-99x^3-1028x^2+482x+64)/(x^2+x-1)/(x-1)$  ogf ]  
A301803 8.67989 [  $-(5x^6+7x^5-43x^4+12x^3+10x^2-49x+9)/(10x-1)/(x+1)/(x^2-x+1)$  ogf ]  
A301809 9.07016 [  $(x-1)(x^4-x^3-4x^2+1)/(x+1)/(x^2-3x+1)/(x^2+x-1)$  ogf ]  
A301819 7.11207 [  $-(2x^4-4x^3+3x^2-4x+2)/(x^2-3x+1)/(x-1)^3$  ogf ]  
A301820 5.63838 [  $(2x^6-9x^5+20x^4-19x^3+4x^2+6x-3)/(4x-1)/(x-1)^4$  ogf ]  
A301836 10.6264 [  $-(4x^2+3x-4)/(8x^2-7x+1)$  ogf ]  
A301836 5.36378 [  $\{a(n+3)-7a(n+2)+8a(n+1), a(0) = 4, a(1) = 25, a(2) = 139\}$ , ogf ]  
A301836 7.22047 [  $-(52x^2-72x+25)/(32x^4-4x^3-49x^2+31x-4)$  lgdogf ]  
A301837 5.49098 [  $-(40x^5-110x^4+84x^3-7x^2-23x+8)/(16x^5-57x^4+72x^3-46x^2+13x-1)$  ogf ]  
A301842 7.72532 [  $(x^5-x^4-2x^3-x^2+2x+2)/(2x^4-x^2-3x+1)$  ogf ]  
A301877 6.98463 [  $(x-1)(x^8+2x^7+x^6-3x^5-5x^4-5x^3+x+1)/(x^3-x^2-1)/(x^3+x-1)/(x^3+2x^2+x-1)$  ogf ]  
A301879 11.3232 [  $-(x^2+7x+3)/(2x^3+6x^2+x-1)$  ogf ]  
A301879 6.05892 [  $\{a(n+3)-a(n+2)-6a(n+1)-2a(n), a(0) = 3, a(1) = 10, a(2) = 29\}$ , ogf ]  
A301879 6.70599 [  $-(2x^4-28x^3-59x^2-38x-10)/(-2x^5-20x^4-49x^3-24x^2+4x+3)$  lgdogf ]  
A301880 4.86338 [  $-(2x^7+x^6-26x^5+61x^3+20x^2-13x-5)/(x^8-12x^6-x^5+38x^4+2x^3-12x^2-x+1)$  ogf ]  
A301881 4.08977 [  $-(256x^8-128x^7+260x^6-96x^5-319x^4+83x^3+92x^2-11x-8)/(2x+1)/(2x-1)/(4x-1)/(2x^2-1)/(4x^2-x-1)$  ogf ]  
A301885 7.03798 [  $-(2x^6-x^5-4x^4-4x^3+x+2)/(x-1)/(x^2+1)/(x^4-x^3-2x^2-x+1)$  ogf ]  
A301898 4.85965 [  $\{(16n^3+192n^2+764n+1008)a(n+1)+(-n-2)a(n+3), a(0) = 12, a(1) = 120, a(2) = 5040\}$ , egf ]  
A301902 10.9252 [  $-(4x^2+x-1)/(4x^3-x^2-3x+1)$  ogf ]  
A301902 5.95036 [  $\{a(n+3)-3a(n+2)-a(n+1)+4a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$ , ogf ]  
A301902 7.32352 [  $-(16x^4+8x^3-x^2-6x+2)/(16x^5-17x^3+2x^2+4x-1)$  lgdogf ]  
A301903 6.36252 [  $-(12x^5+34x^4+5x^3-15x^2-x+1)/(x-1)/(4x-1)/(2x+1)/(2x-1)/(x+1)$  ogf ]  
A301946 10.9408 [  $-(x^2-x-1)/(2x^3-x^2-4x+1)$  ogf ]  
A301946 5.90611 [  $\{-a(n+3)+4a(n+2)+a(n+1)-2a(n), a(0) = 1, a(1) = 5, a(2) = 20\}$ , ogf ]  
A301946 7.25424 [  $-(2x^4+4x^3+x^2-5)/(-2x^5+3x^4+5x^3-6x^2-3x+1)$  lgdogf ]  
A301947 5.66465 [  $(2x^5+3x^4-4x^3-5x^2-2x+2)/(x^6-4x^5-4x^4+14x^3+8x^2-9x+1)$  ogf ]  
A301959 11.4169 [  $-(x^2+3x+3)/(2x^3+3x^2+x-1)$  ogf ]  
A301959 6.16310 [  $\{a(n+3)-a(n+2)-3a(n+1)-2a(n), a(0) = 3, a(1) = 6, a(2) = 16\}$ , ogf ]  
A301959 7.17969 [  $-(2x^4-12x^3-26x^2-20x-6)/(-2x^5-9x^4-16x^3-11x^2+3)$  lgdogf ]  
A301960 5.04214 [  $\{a(n+4)-2a(n+3)-2a(n+2)+a(n+1), a(0) = 5, a(1) = 9, a(2) = 25, a(3) = 64\}$ , ogf ]  
A301960 9.79199 [  $(x^3-3x^2-x+5)/(x^2-3x+1)/(x+1)$  ogf ]  
A301961 5.28480 [  $-(4x^7-8x^6+12x^5-4x^4-5x^3-11x^2-2x+8)/(x-1)/(x^2+x+1)/(2x^3-3x^2-2x+1)$  ogf ]  
A301965 9.41368 [  $(5x^5-5x^4-7x^3-10x^2+5x+4)/(x^3+x^2+x-1)/(x-1)$  ogf ]  
A301966 5.06380 [  $(10x^8-31x^7+3x^6+9x^5+43x^4+24x^3+28x^2-18x-8)/(x-1)/(x^2+1)/(x^4-x^3-2x^2-x+1)$  ogf ]  
A301973 10.2123 [  $x(6x^2-2x+1)/(x-1)^6$  ogf ]  
A301973 14.4544 [  $-(24x^2-2x-4)/(-6x^3+8x^2-3x+1)$  lgdogf ]  
A301973 4.74512 [  $\{(n+3)a(n+4)+(-10-3n)a(n+3)+(6+8n)a(n+2)+(-24-6n)a(n+1), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 15\}$ , ogf ]  
A301976 8.38805 [  $-(x+1)(3x^2+8x-1)/(5x^4+20x^3+6x^2-12x+1)$  ogf ]  
A301985 11.8340 [  $-(631x^2-3390x+4027)/(-631x^3-433x^2+2761x-1697)$  lgdogf ]

A301985 14.0636 [ (631\*x^2+1064\*x-1697)/(x-1)^3 ogf]  
A301985 8.01975 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 1697, a(1) = 4027, a(2) = 6359}, ogf]  
A301990 13.5994 [ -(-8\*x+7)/(-16\*x^2+10\*x-1) lgdegf]  
A301990 4.56356 [ {(16\*n^2+56\*n+48)\*a(n+1)+(-10\*n-27)\*a(n+2)+a(n+3), a(0) = 1, a(1) = 7, a(2) = 111}, ogf]  
A301994 11.5084 [ -(2\*x-1)\*(x-1)/(4\*x^3-7\*x^2+5\*x-1) ogf]  
A301994 6.26798 [{a(n+3)-5\*a(n+2)+7\*a(n+1)-4\*a(n), a(0) = 1, a(1) = 2, a(2) = 5}, ogf]  
A301994 6.88249 [ -(8\*x^4-24\*x^3+23\*x^2-10\*x+2)/(8\*x^5-26\*x^4+35\*x^3-24\*x^2+8\*x-1) lgdogf]  
A301995 11.9113 [ -2\*(x^2+1)/(x-1)/(x^2-3\*x+1) ogf]  
A301995 6.00835 [{a(n+3)-4\*a(n+2)+4\*a(n+1)-a(n), a(0) = 2, a(1) = 8, a(2) = 26}, ogf]  
A301995 7.71526 [ -(x^4-x^2-6\*x+4)/(x^5-4\*x^4+5\*x^3-5\*x^2+4\*x-1) lgdogf]  
A302006 6.96999 [ -8\*(x^3-3\*x-1)/(4\*x^4-x^3-18\*x^2-13\*x+1) ogf]  
A302007 4.25863 [ -16\*(9\*x^5-4\*x^4-17\*x^3+x^2+8\*x+1)/(x^2-x-1)/(37\*x^4-3\*x^3-56\*x^2-25\*x+1) ogf]  
A302011 4.82538 [ 8\*(4\*x^2-x-1)\*(8\*x^3-2\*x-1)/(64\*x^4+16\*x^3-20\*x^2-13\*x+1) ogf]  
A302017 3.86200 [ -(x^18+x^17+x^15+x^14-x^11-x^9-x^8-x^6+1)/(x^19-x^18-x^17+x^16-2\*x^15-x^14-x^13-x^12+x^11-x^10+2\*x^9+x^8+2\*x^6+x^5+x^4+x^2+x-1) ogf]  
A302019 5.15249 [ (x^21-x^20+x^19-x^14-x^2+x-1)/(x^21-2\*x^20+x^19+x^16+x^15-x^14+x^11-x^10+x^9+x^4-x^2+2\*x-1) ogf]  
A302064 10.7070 [ -(4\*x^2+7\*x-4)/(6\*x-1)/(2\*x-1) ogf]  
A302064 5.45449 [{a(n+3)-8\*a(n+2)+12\*a(n+1), a(0) = 4, a(1) = 25, a(2) = 148}, ogf]  
A302064 7.05093 [ -(116\*x^2-104\*x+25)/(48\*x^4+52\*x^3-100\*x^2+39\*x-4) lgdogf]  
A302065 4.82566 [ -(104\*x^5-198\*x^4+74\*x^3+60\*x^2-47\*x+8)/(36\*x^5-124\*x^4+148\*x^3-76\*x^2+16\*x-1) ogf]  
A302076 10.3156 [ -(x+3)\*(2\*x+1)/(4\*x^3+7\*x^2+x-1) ogf]  
A302076 5.51977 [{a(n+3)-a(n+2)-7\*a(n+1)-4\*a(n), a(0) = 3, a(1) = 10, a(2) = 33}, ogf]  
A302077 4.25833 [ -(2\*x^7-4\*x^6-17\*x^5-x^4+52\*x^3+18\*x^2-13\*x-5)/(x^8-x^7-14\*x^6+x^5+42\*x^4+x^3-14\*x^2-x+1) ogf]  
A302078 3.97971 [ -(512\*x^8-256\*x^7-80\*x^6+52\*x^5-228\*x^4+61\*x^3+87\*x^2-11\*x-8)/(2\*x-1)/(2\*x+1)/(32\*x^5-16\*x^4-26\*x^3+13\*x^2+3\*x-1) ogf]  
A302113 3.46588 [ {(96\*n^3+144\*n^2+48\*n)\*a(n)+(16\*n^3+124\*n^2+242\*n+134)\*a(n+1)+(6\*n^2+27\*n+48)\*a(n+2)+(-2-n)\*a(n+3), a(0) = 0, a(1) = 4, a(2) = 108}, ogf]  
A302115 5.20147 [ {(-32\*n^2+16\*n)\*a(n)+(-14\*n-17)\*a(n+1)+a(n+2), a(0) = 0, a(1) = 4}, ogf]  
A302117 5.66238 [ {(8\*n^2-4\*n)\*a(n)+(-6\*n-3)\*a(n+1)+a(n+2), a(0) = 0, a(1) = 1}, ogf]  
A302126 13.5379 [ x\*(x+1)\*(x-2)/(x^4+x^2-1) ogf]  
A302139 8.86451 [ 4\*(44\*x^12+106\*x^11+28\*x^8+2\*x^7+4\*x^5+4\*x^4+3\*x^3+2\*x^2+x-2)/(2\*x-1) ogf]  
A302146 10.9141 [ -(2\*x^2+2\*x-1)/(2\*x^3+2\*x^2-4\*x+1) ogf]  
A302146 5.94429 [ {-a(n+3)+4\*a(n+2)-2\*a(n+1)-2\*a(n), a(0) = 1, a(1) = 2, a(2) = 4}, ogf]  
A302146 6.93500 [ -(-4\*x^4-8\*x^3-6\*x^2+8\*x-2)/(-4\*x^5-8\*x^4+6\*x^3+8\*x^2-6\*x+1) lgdogf]  
A302148 4.10374 [ (20\*x^8+16\*x^7-63\*x^6+78\*x^5+35\*x^4-52\*x^3+7\*x-1)/(x-1)/(x^2-3\*x+1)/(16\*x^4+28\*x^3+4\*x^2-9\*x+1) ogf]  
A302158 4.67023 [ (32\*x^10-32\*x^9+16\*x^8-32\*x^7+28\*x^6-24\*x^5+40\*x^4+14\*x^3+2\*x^2-6\*x-3)/(4\*x^7-4\*x^6-6\*x^4+8\*x^3+x-1) ogf]  
A302164 7.74067 [ (8\*x^5-24\*x^4+8\*x^3+6\*x^2+x+2)/(8\*x^5-16\*x^4-x+1) ogf]  
A302165 8.13035 [ (3\*x^5+x^4-3\*x^3+3\*x^2-2\*x-4)/(2\*x^4-x^3+x^2+x-1) ogf]  
A302189 10.4776 [ -(x^2-5\*x-4)/(-x^2-3\*x-1) lgdegf]  
A302189 2.90468 [ {(-n^2-5\*n-6)\*a(n+1)+(-n^2-10\*n-21)\*a(n+2)+(-3\*n-13)\*a(n+3)-a(n+4), a(0) = 1, a(1) = -4, a(2) = 23, a(3) = -184}, ogf]  
A302190 4.73659 [ {(n^2-n)\*a(n)+(2\*n^2+5\*n+1)\*a(n+1)+(2+2\*n)\*a(n+2), a(0) = 0,

$a(1) = 2$ }, ogf]  
A302195 10.3581 [  $-( -x^2-6*x-6)/( -x^2-4*x-2)$  lgdegf]  
A302203 6.33683 [  $-(x^{19}-x^{16}+x^{13}-x^{10}+x^7-x^4+1)/(x-1)/(x^2+1)/(x^{20}-x^{18}+x^{16}-x^{14}+x^{12}-x^{10}+x^8-x^6+x^4-x^2+1)$  ogf]  
A302207 4.03190 [  $-(32*x^8-16*x^7+24*x^6-36*x^5+48*x^4-12*x^3+15*x^2-8*x-1)/(16*x^9-12*x^7+12*x^6-2*x^5+13*x^4-9*x^3+2*x^2-3*x+1)$  ogf]  
A302225 6.76621 [  $x*(4*x^4+4*x^3-8*x^2-8*x-3)/(x+1)/(2*x^2+3*x-1)/(2*x^2+1)$  ogf]  
A302237 10.9025 [  $-(2*x^3+6*x^2+5*x+2)/(x^6-3*x^4+3*x^2-1)$  ogf\_with\_Euler\_transform]  
A302245 8.27658 [  $(x^8-x^7+x^6-x^5+x^4+x^3+x+1)/(x+1)/(x-1)^2$  ogf]  
A302254 13.2366 [  $(4*x^7+4*x^6+4*x^5-2*x^3-x-1)/(2*x^2-1)$  ogf]  
A302255 11.8341 [  $x*(x^2-x+1)*(x+1)^2/(x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2$  ogf]  
A302255 21.0015 [  $x^6-x^5+x^2-x+2$  ogf\_with\_Euler\_transform]  
A302256 7.06403 [  $-(22*x^4-164*x^3+376*x^2-123*x+213)/(x-1)^5$  ogf]  
A302260 5.77606 [  $-(32*x^5-58*x^4-50*x^3-13*x^2+5*x+4)/(16*x^5-54*x^4+2*x^3-2*x^2+6*x-1)$  ogf]  
A302266 8.37849 [  $-(2*x^3+3*x^2+2*x+2)/(4*x^4+4*x^3+x^2+3*x-1)$  ogf]  
A302279 9.73256 [  $-x*(2*x+1)*(2*x^2+2*x-3)/(2*x-1)/(2*x^3+x^2-x-1)$  ogf]  
A302298 4.75368 [  $\{(-n^2-5*n-6)*a(n+1)+(2*n^2+10*n+32)*a(n+2)+(-n^2-5*n-6)*a(n+3), a(0) = 0, a(1) = 16, a(2) = 192\}$ , ogf]  
A302298 8.13611 [  $16*x*(x+1)*(x^2+5*x+1)/(x-1)^6$  ogf]  
A302302 10.8441 [  $x*(x^2+13*x+10)/(x-1)^4$  ogf]  
A302302 11.9604 [  $-(2*x^2+41*x+53)/(x^3+12*x^2-3*x-10)$  lgdogf]  
A302302 3.98681 [  $\{(-30-10*n)*a(n+4)+(47-3*n)*a(n+3)+(53+12*n)*a(n+2)+(n+2)*a(n+1), a(0) = 0, a(1) = 10, a(2) = 53, a(3) = 153\}$ , ogf]  
A302310 6.41051 [  $(24*x^5-36*x^4-6*x^3+7*x^2-x+2)/(x-1)/(4*x^2+1)/(4*x^2+x-1)$  ogf]  
A302323 10.4453 [  $-2*(2*x^3+4*x^2-1)/(2*x-1)/(2*x^2+2*x-1)$  ogf]  
A302323 5.06674 [  $\{-a(n+4)+4*a(n+3)-2*a(n+2)-4*a(n+1), a(0) = 2, a(1) = 8, a(2) = 20, a(3) = 52\}$ , ogf]  
A302323 6.72221 [  $-(12*x^4+16*x^3-2*x^2-12*x+4)/(8*x^6+20*x^5-18*x^3+2*x^2+4*x-1)$  lgdogf]  
A302329 10.0144 [  $-( -x^2+2*x-61)/( -x^3+63*x^2-63*x+1)$  lgdogf]  
A302329 14.5862 [  $-(x-1)/(x^2-62*x+1)$  ogf]  
A302329 7.98770 [  $\{a(n+2)-62*a(n+1)+a(n), a(0) = 1, a(1) = 61\}$ , ogf]  
A302330 13.4814 [  $-(x-1)/(x^2-98*x+1)$  ogf]  
A302330 7.38265 [  $\{a(n+2)-98*a(n+1)+a(n), a(0) = 1, a(1) = 97\}$ , ogf]  
A302330 9.25587 [  $-( -x^2+2*x-97)/( -x^3+99*x^2-99*x+1)$  lgdogf]  
A302331 14.5198 [  $-(x-1)/(x^2-142*x+1)$  ogf]  
A302331 7.93522 [  $\{a(n+2)-142*a(n+1)+a(n), a(0) = 1, a(1) = 141\}$ , ogf]  
A302331 9.74899 [  $-( -x^2+2*x-141)/( -x^3+143*x^2-143*x+1)$  lgdogf]  
A302332 10.3293 [  $-( -x^2+2*x-193)/( -x^3+195*x^2-195*x+1)$  lgdogf]  
A302332 15.3840 [  $-(x-1)/(x^2-194*x+1)$  ogf]  
A302332 8.40755 [  $\{a(n+2)-194*a(n+1)+a(n), a(0) = 1, a(1) = 193\}$ , ogf]  
A302341 6.52625 [  $2*(x^{14}+x^{13}-5*x^{12}+x^{11}+x^{10}+x^8+x^7+x^6+2*x^4+6)/(x+1)/(x^2+1)/(x^2+x+1)/(x^2-x+1)/(x^4-x^2+1)/(x-1)^2$  ogf]  
A302347 10.5662 [  $-(x^8-x^7-2*x^4+2*x^3-x^2+x+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A302368 9.50539 [  $-2*(2*x^3+x-1)/(2*x^2-1)/(2*x^2+2*x-1)$  ogf]  
A302390 10.6862 [  $(x^5-x^4-8*x^2+7*x+13)/(x+1)/(x-1)^2$  ogf]  
A302392 7.12188 [  $-(x^5+3*x^4+4*x^3+6*x^2+x+3)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A302393 7.30474 [  $-x*(2*x^4+3*x^3+5*x^2+3*x+5)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A302402 16.5589 [  $-(4*x^2+x+1)/(x^3-1)$  lgdogf]  
A302402 19.1347 [  $2*x/(x^2+x+1)/(x-1)^2$  ogf]  
A302402 34.3279 [  $[x^2+1]$  ogf\_with\_Euler\_transform]  
A302402 5.28258 [  $\{(-3-n)*a(n+4)+a(n+3)+a(n+2)+(n+4)*a(n+1), a(0) = 0, a(1) = 2, a(2) = 2, a(3) = 2\}$ , ogf]  
A302404 13.2471 [  $x*(x^4+x^3+2)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A302405 13.1815 [  $x*(2*x^3+x+1)/(x+1)/(x^2+x+1)/(x^2-x+1)/(x-1)^2$  ogf]  
A302406 9.11729 [  $-x*(2*x^4+x+1)/(x^2+1)/(x+1)^2/(x-1)^3$  ogf]  
A302416 5.16662 [  $(x^8-4*x^7+11*x^6-37*x^5+50*x^4-35*x^3+33*x^2-13*x-4)/(x-1)/(x^4-3*x^3+x^2-2*x+1)$  ogf]



A302422 6.26537 [  $-(32x^8+32x^7+8x^6-4x^5+36x^4+20x^3-2x^2-6x-3)/(8x^4-10x^3-x+1)$  ogf]  
A302447 12.6431 [  $-(x+2)/(-x^4+4x^3-6x^2+4x-1)$  ogf\_with\_Euler\_transform]  
A302448 10.8659 [  $-(x^2+x+1)/(-x^4+4x^3-6x^2+4x-1)$  ogf\_with\_Euler\_transform]  
A302449 10.9548 [  $-(x^2+6x+1)/(-x^4+4x^3-6x^2+4x-1)$  ogf\_with\_Euler\_transform]  
A302450 8.45526 [  $-(-x^3-23x^2-23x-1)/(-x^5+5x^4-10x^3+10x^2-5x+1)$  ogf\_with\_Euler\_transform]  
A302483 6.57676 [  $-(x^8-3x^7+6x^6-7x^5+7x^4-5x^3+4x^2-3x+1)/(x^3-x^2+2x-1)/(x-1)^2$  ogf]  
A302488 11.0699 [  $(x^4-2x^3-1)/(x^2+1)/(x+1)/(x-1)^3$  ogf]  
A302506 11.7563 [  $-(3x^3+4x^2+x+2)/(x^2+1)/(x^2+x-1)$  ogf]  
A302507 15.5179 [  $-(6x-4)/(3x^2-4x+1)$  lgdogf]  
A302507 20.1314 [  $8x/(3x-1)/(x-1)$  ogf]  
A302507 9.19580 [  $\{a(n+2)-4a(n+1)+3a(n), a(0) = 0, a(1) = 8\}$ , ogf]  
A302510 9.35269 [  $(4x^6-4x^5-2x^4+2x^3-8x^2-3)/(x^4+x-1)$  ogf]  
A302511 6.10457 [  $-(x^9+7x^8+8x^7+7x^6-x^5-3x^3-10x^2-5)/(x^3+x^2+x-1)/(x^4-x^2-1)$  ogf]  
A302512 4.42156 [  $-(32x^{10}-44x^9+16x^8-10x^7+58x^6-48x^5+12x^4-33x^3+14x^2-x+8)/(x-1)/(8x^8+8x^7+4x^6-8x^5-6x^4-6x^3+1)$  ogf]  
A302513 4.02162 [  $(6x^{11}+35x^{10}+84x^9+156x^8-5x^7-45x^6-157x^5-24x^4-50x^3+39x^2+13)/(3x^8+6x^7+8x^6-3x^5-5x^4-6x^3-x+1)$  ogf]  
A302516 8.04822 [  $(8x^6+7x^5+18x^4+4x^3-7x^2-4)/(2x-1)/(x+1)/(2x^2+1)$  ogf]  
A302517 4.60808 [  $(5x^9+16x^8+49x^7+36x^6-33x^5-59x^4-11x^3-5x^2-2x+8)/(4x^7+5x^6+x^5-5x^4-3x^3-x^2-x+1)$  ogf]  
A302537 13.4069 [  $(5x^2-5x-1)/(x-1)^3$  ogf]  
A302537 7.23735 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 1, a(1) = 8, a(2) = 16\}$ , ogf]  
A302576 16.0107 [  $-10*(3x-1)/(x-1)^3$  ogf]  
A302576 22.0147 [  $-6x/(3x^2-4x+1)$  lgdogf]  
A302576 7.79281 [  $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = -10, a(1) = 0, a(2) = 30\}$ , ogf]  
A302588 9.70175 [  $-(90200x^{16}+133060x^{12}+27612x^6+624x^4+544x^2+220x+341)/(x-1)$  ogf]  
A302603 7.14803 [  $(3x^5-2x^4+7x^3-16x^2+14x-4)/(2x-1)/(x-1)/(x^2+1)/(x^2+x-1)$  ogf]  
A302612 7.54246 [  $(10x^4-6x^3+9x^2-4x+1)/(x-1)^6$  ogf]  
A302612 7.68891 [  $-(20x^4+22x^3+18x^2-2x+2)/(10x^5-16x^4+15x^3-13x^2+5x-1)$  lgdogf]  
A302618 3.96263 [  $(16x^{10}-8x^9+8x^8-16x^7+14x^6+29x^5-28x^4-12x^3-13x^2+9x+4)/(4x^9+4x^7-x^6+4x^5+4x^4-4x^3-x^2-2x+1)$  ogf]  
A302619 3.93687 [  $(61x^9+30x^8-118x^7-132x^6+9x^5+112x^4+74x^3+16x^2-29x-8)/(x-1)/(5x^7+7x^6-8x^4-9x^3-3x^2+1)$  ogf]  
A302624 6.86798 [  $(2x^7-x^6+13x^5-28x^4-9x^3-25x^2+17x+4)/(2x-1)/(x-1)/(x^2+x+1)$  ogf]  
A302625 3.75798 [  $-(24x^{10}-60x^9+115x^8-22x^7+53x^6-205x^5-191x^4-119x^3-26x^2+73x+8)/(x-1)/(x^2+x+1)/(2x^5-2x^4-x^3-2x^2-x+1)$  ogf]  
A302630 3.86082 [  $(32x^{12}+16x^{11}+32x^{10}-32x^9+4x^8-40x^7+20x^6+2x^5+46x^4+16x^3+x^2-6x-3)/(4x^9+4x^7-10x^6+2x^5-4x^4+9x^3+x-1)$  ogf]  
A302636 8.71219 [  $(x-1)*(x^5+x^4-4x^3-4x^2-6x-4)/(x^2+1)/(x^3-2x^2-x+1)$  ogf]  
A302644 5.19861 [  $-(56x^6-36x^5+64x^4-46x^3+24x^2-7x+1)/(x-1)^9$  ogf]  
A302645 3.50942 [  $x*(330x^8-220x^7+430x^6-390x^5+281x^4-140x^3+48x^2-10x+1)/(x-1)^{12}$  ogf]  
A302647 10.9745 [  $-(-6x^3-9x^2-12x-3)/(-x^4-x^3+x+1)$  lgdogf]  
A302647 31.8450 [  $-x^2+3x+3$  ogf\_with\_Euler\_transform]

A302647 4.85537 [  $\{( -n^2 - 9n - 20) \cdot a(n+1) + (-6 - 2n) \cdot a(n+2) + (n^2 + 3n + 2) \cdot a(n+3), a(0) = 0, a(1) = 0, a(2) = 2\}$ , ogf]
  
A302647 7.93204 [  $-2 \cdot x^2 \cdot (x^2 + x + 1) / (x+1)^3 / (x-1)^5$  ogf]
  
A302650 10.1333 [  $\{ -(-4 \cdot x^3 + 27 \cdot x^2 + 6 \cdot x + 1) / (-2 \cdot x^4 + 13 \cdot x^3 - 15 \cdot x^2 + 5 \cdot x - 1)$  lgdogf]
  
A302650 4.42666 [  $\{(53 \cdot n^2 + 393 \cdot n + 702) \cdot a(n+1) + (-108 \cdot n^2 - 609 \cdot n - 719) \cdot a(n+2) + (55 \cdot n^2 + 208 \cdot n + 129) \cdot a(n+3), a(0) = 1, a(1) = 1, a(2) = 6\}$ , ogf]
  
A302650 9.55756 [  $(2 \cdot x^3 - 11 \cdot x^2 + 4 \cdot x - 1) / (x-1)^5$  ogf]
  
A302653 6.38446 [  $\{ -(4 \cdot x^{11} - x^{10} + x^9 - 3 \cdot x^8 - 8 \cdot x^7 - 2 \cdot x^6 + 6 \cdot x^5 + 2 \cdot x^4 + 4 \cdot x^3 + 3 \cdot x^2 + x + 1) / (x-1)^3 / (x+1)^3 / (x^2+1)^3$  ogf]
  
A302654 6.76677 [  $-x \cdot (x^{10} + x^9 - x^7 - 2 \cdot x^6 - 3 \cdot x^5 + x^4 + x^3 + x^2 + 2 \cdot x + 1) / (x-1)^3 / (x+1)^3 / (x^2+1)^3$  ogf]
  
A302655 6.23277 [  $-x \cdot (x+1) \cdot (x^6 + x^5 - x^3 - x - 1) / (x^3 + x^2 - 1) / (x^6 - x^2 - 1)$  ogf]
  
A302658 5.06353 [  $\{ -(9 \cdot x^{10} - 11 \cdot x^9 - 8 \cdot x^8 + 2 \cdot x^7 + 8 \cdot x^6 + x^5 + x^4 + 3 \cdot x^3 - 3 \cdot x^2 - 1) / (x^3 + x^2 - 1) / (x^6 - x^2 - 1) / (x-1)^2$  ogf]
  
A302675 11.4438 [  $(4 \cdot x^4 + 4 \cdot x^3 - 2 \cdot x^2 - 3) / (x^2 + x - 1)$  ogf]
  
A302676 7.75000 [  $(2 \cdot x^7 + 3 \cdot x^6 - 4 \cdot x^5 - 6 \cdot x^4 - 2 \cdot x^3 - 3 \cdot x^2 + 5) / (x^4 - 2 \cdot x^2 - x + 1)$  ogf]
  
A302677 5.27318 [  $(4 \cdot x^9 + 4 \cdot x^8 + 14 \cdot x^7 + 8 \cdot x^6 + 22 \cdot x^5 + 4 \cdot x^4 + 12 \cdot x^3 - 11 \cdot x^2 + x - 8) / (2 \cdot x^5 + 2 \cdot x^4 + 3 \cdot x^3 + x - 1)$  ogf]
  
A302678 4.45682 [  $(2 \cdot x^{11} + 4 \cdot x^{10} - 2 \cdot x^9 + 4 \cdot x^8 + 20 \cdot x^7 - 7 \cdot x^6 - 33 \cdot x^5 - 34 \cdot x^4 - 42 \cdot x^3 + x^2 + 13) / (x^6 + 2 \cdot x^5 - x^4 - 4 \cdot x^3 - 2 \cdot x^2 - x + 1)$  ogf]
  
A302681 7.95978 [  $2 \cdot (3 \cdot x^6 + 7 \cdot x^5 + 9 \cdot x^4 + 4 \cdot x^3 - 2 \cdot x^2 - 2) / (3 \cdot x^4 + 3 \cdot x^3 + x - 1)$  ogf]
  
A302682 4.23494 [  $(6 \cdot x^{10} - 7 \cdot x^9 - 2 \cdot x^8 + 11 \cdot x^7 - 18 \cdot x^6 + 15 \cdot x^5 + 67 \cdot x^4 + 33 \cdot x^3 + 7 \cdot x^2 + 2 \cdot x - 8) / (2 \cdot x^7 - 3 \cdot x^6 - 3 \cdot x^5 + 5 \cdot x^4 + 5 \cdot x^3 + x^2 + x - 1)$  ogf]
  
A302689 10.0295 [  $\{ -(-10 \cdot x^3 + 6 \cdot x^2) / (-10 \cdot x^4 + 23 \cdot x^3 - 19 \cdot x^2 + 7 \cdot x - 1)$  lgdogf]
  
A302689 12.2942 [  $-2 \cdot (5 \cdot x^2 - 4 \cdot x + 1) / (2 \cdot x - 1) / (x-1)^2$  ogf]
  
A302689 6.92945 [  $\{ a(n+3) - 4 \cdot a(n+2) + 5 \cdot a(n+1) - 2 \cdot a(n), a(0) = 2, a(1) = 0, a(2) = 0 \}$ , ogf]
  
A302695 6.41938 [  $-x \cdot (x^5 + 3 \cdot x^4 + 16 \cdot x^3 + 20 \cdot x^2 + 15 \cdot x + 5) / (x-1)^7$  ogf]
  
A302709 10.3334 [  $x \cdot (x^3 + 4 \cdot x^2 - 15 \cdot x - 6) / (x-1)^5$  ogf]
  
A302709 11.3175 [  $\{ -(-2 \cdot x^3 - 15 \cdot x^2 + 52 \cdot x + 45) / (-x^4 - 3 \cdot x^3 + 19 \cdot x^2 - 9 \cdot x - 6)$  lgdogf]
  
A302709 4.80138 [  $\{ (-202 \cdot n^2 - 823 \cdot n - 838) \cdot a(n+1) + (1086 \cdot n^2 + 7185 \cdot n + 13464) \cdot a(n+2) + (-884 \cdot n^2 - 3634 \cdot n - 3732) \cdot a(n+3), a(0) = 0, a(1) = 6, a(2) = 45 \}$ , ogf]
  
A302710 10.1720 [  $x \cdot (4 \cdot x^3 - 5 \cdot x^2 - 14 \cdot x - 1) / (x-1)^5$  ogf]
  
A302710 11.2749 [  $\{ -(8 \cdot x^3 + 3 \cdot x^2 + 6 \cdot x + 19) / (-4 \cdot x^4 + 9 \cdot x^3 + 9 \cdot x^2 - 13 \cdot x - 1)$  lgdogf]
  
A302710 4.77459 [  $\{ (-80 \cdot n^2 + 236 \cdot n + 792) \cdot a(n+1) + (918 \cdot n^2 + 5643 \cdot n + 11052) \cdot a(n+2) + (-838 \cdot n^2 - 2847 \cdot n - 2342) \cdot a(n+3), a(0) = 0, a(1) = 1, a(2) = 19 \}$ , ogf]
  
A302736 6.45472 [  $-4 \cdot (6 \cdot x^4 + 4 \cdot x^3 + x^2 - x - 1) / (16 \cdot x^5 + 20 \cdot x^4 - 2 \cdot x^3 - 2 \cdot x^2 - 7 \cdot x + 1)$  ogf]
  
A302742 4.81622 [  $\{ -(12 \cdot x^7 + 6 \cdot x^6 - 6 \cdot x^5 - x^4 - 19 \cdot x^3 - 12 \cdot x^2 + 4 \cdot x + 4) / (14 \cdot x^7 - 9 \cdot x^6 - 3 \cdot x^4 - 17 \cdot x^3 + 4 \cdot x^2 + 7 \cdot x - 1)$  ogf]
  
A302757 12.6051 [  $\{ -(4 \cdot x^2 - 3 \cdot x + 1) / (4 \cdot x - 1) / (x-1)^2$  ogf]
  
A302757 6.80453 [  $\{ a(n+3) - 6 \cdot a(n+2) + 9 \cdot a(n+1) - 4 \cdot a(n), a(0) = 1, a(1) = 3, a(2) = 13 \}$ , ogf]
  
A302757 9.15371 [  $\{ -(16 \cdot x^3 - 8 \cdot x^2 + 7 \cdot x - 3) / (16 \cdot x^4 - 32 \cdot x^3 + 23 \cdot x^2 - 8 \cdot x + 1)$  lgdogf]
  
A302758 6.68833 [  $-x \cdot (3 \cdot x^4 + 3 \cdot x^3 + 7 \cdot x^2 + 2 \cdot x + 1) / (x+1)^4 / (x-1)^5$  ogf]
  
A302759 4.43523 [  $(256 \cdot x^7 - 672 \cdot x^6 + 928 \cdot x^5 - 706 \cdot x^4 + 334 \cdot x^3 - 88 \cdot x^2 + 12 \cdot x - 1) / (8 \cdot x - 1) / (x-1) / (4 \cdot x - 1)^2 / (2 \cdot x - 1)^3$  ogf]
  
A302760 7.58978 [  $\{ -(7 \cdot x^6 - 12 \cdot x^3 + 18 \cdot x^2 + 2 \cdot x + 3) / (x^7 - 3 \cdot x^4 + 6 \cdot x^3 + x^2 + 3 \cdot x - 1)$  ogf]
  
A302761 6.84375 [  $(4 \cdot x^4 - 30 \cdot x^3 + 26 \cdot x^2 - 7 \cdot x + 1) / (4 \cdot x - 1) / (2 \cdot x - 1)^2 / (x-1)^3$  ogf]
  
A302762 6.43221 [  $\{ -(x^7 - 2 \cdot x^6 - 15 \cdot x^5 + 27 \cdot x^4 - 15 \cdot x^3 + x^2 + x - 1) / (x-1)^6$  ogf]
  
A302766 7.15947 [  $x \cdot (x^4 + 3 \cdot x^3 + 13 \cdot x^2 + 6 \cdot x + 5) / (x+1)^3 / (x-1)^4$  ogf]
  
A302773 8.85993 [  $(x^7 + x^6 + 7 \cdot x^5 + 5 \cdot x^4 + 11 \cdot x^3 + 2 \cdot x^2 + 5 \cdot x + 1) / (x-1)^2 / (x+1)^2 / (x^2+1)^2$  ogf]
  
A302774 3.82442 [  $(3 \cdot x^6 - 3 \cdot x^5 - 2 \cdot x^4 + 2 \cdot x^2 - x - 1) / (x+1) / (3 \cdot x^2 - 1) / (x-1)^2$  ogf]
  
A302803 6.34964 [  $(72 \cdot x^5 - 96 \cdot x^4 - 100 \cdot x^3 - 5 \cdot x^2 + 5 \cdot x + 4) / (6 \cdot x - 1) / (24 \cdot x^3 - 1)$  ogf]
  
A302832 13.6397 [  $\{ -(x^4 - x^2 + x + 2) / (-x^4 + 2 \cdot x^2 - 1)$  ogf\_with\_Euler\_transform]
  
A302856 12.2257 [  $\{ -(32 \cdot x^2 - 32 \cdot x + 64) / (-x^3 - x^2 - x - 1)$  ogf\_with\_Euler\_transform]
  
A302870 8.84893 [  $\{ -(x^3 - 9 \cdot x^2 - 19 \cdot x - 8) / (-x^3 - 6 \cdot x^2 - 7 \cdot x - 1)$  lgdegf]
  
A302884 3.98191 [  $\{ -(8 \cdot x^9 + 8 \cdot x^8 + 12 \cdot x^7 + 6 \cdot x^6 - 13 \cdot x^5 - 15 \cdot x^4 - 10 \cdot x^2 + 8 \cdot x + 1) / (x-1) /$

$(x+1)/(4*x^8+8*x^7+8*x^6+5*x^4-9*x^3+2*x^2-4*x+1)$  ogf]  
A302906 14.1848 [  $x*(4*x-9)/(x-1)^3$  ogf]  
A302906 16.1706 [  $-(-8*x+23)/(-4*x^2+13*x-9)$  lgdogf]  
A302906 7.21904 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 9, a(2) = 23\}$ , ogf]  
A302908 8.67836 [  $-(-x^3-12*x^2-36*x-24)/(-x^3-9*x^2-18*x-6)$  lgdegf]  
A302909 6.30906 [  $\{(3*n^2+17*n+22)*a(n+1)-2*a(n+2), a(0) = 1, a(1) = 4\}$ , ogf]  
A302910 6.64856 [  $\{(2*n^2+11*n+14)*a(n+1)-a(n+2), a(0) = 1, a(1) = 5\}$ , ogf]  
A302911 5.96877 [  $\{(5*n^2+27*n+34)*a(n+1)-2*a(n+2), a(0) = 1, a(1) = 6\}$ , ogf]  
A302912 6.10693 [  $\{(3*n^2+16*n+20)*a(n+1)-a(n+2), a(0) = 1, a(1) = 7\}$ , ogf]  
A302913 6.27272 [  $\{(7*n^2+37*n+46)*a(n+1)-2*a(n+2), a(0) = 1, a(1) = 8\}$ , ogf]  
A302914 6.46616 [  $\{(4*n^2+21*n+26)*a(n+1)-a(n+2), a(0) = 1, a(1) = 9\}$ , ogf]  
A302941 10.5816 [  $-(4*x^2-31*x-9)/(x+1)/(x^2-11*x+1)$  ogf]  
A302941 5.69093 [  $\{-a(n+3)+10*a(n+2)+10*a(n+1)-a(n), a(0) = 9, a(1) = 121, a(2) = 1296\}$ , ogf]  
A302941 6.21304 [  $-(4*x^4-62*x^3+323*x^2+172*x+121)/(4*x^5-71*x^4+261*x^3+404*x^2+59*x-9)$  lgdogf]  
A302942 12.3642 [  $-2*x*(5*x+2)/(x-1)/(8*x-1)/(2*x-1)$  ogf]  
A302942 6.55838 [  $\{a(n+3)-11*a(n+2)+26*a(n+1)-16*a(n), a(0) = 0, a(1) = 4, a(2) = 54\}$ , ogf]  
A302942 8.47431 [  $-(-160*x^3+34*x^2+104*x-27)/(-80*x^4+98*x^3-3*x^2-17*x+2)$  lgdogf]  
A302946 11.4668 [  $-4*(x^2-4*x-1)/(x+1)/(x^2-6*x+1)$  ogf]  
A302946 6.18208 [  $\{a(n+3)-5*a(n+2)-5*a(n+1)+a(n), a(0) = 4, a(1) = 36, a(2) = 196\}$ , ogf]  
A302946 7.18120 [  $-(-x^4+8*x^3-22*x^2-8*x-9)/(-x^5+9*x^4-14*x^3-26*x^2-x+1)$  lgdogf]  
A302948 4.20264 [  $-(4*x^7-4*x^6-3*x^5-16*x^4+5*x^3+11*x^2+11*x+1)/(4*x^8-3*x^6-19*x^5-2*x^4+13*x^3+15*x^2+4*x-1)$  ogf]  
A302954 3.90834 [  $x*(2*x^7+20*x^6+79*x^5+184*x^4+147*x^3-10*x^2-42*x-11)/(5*x^7+26*x^6+68*x^5+80*x^4+37*x^3+15*x^2+4*x-1)$  ogf]  
A302960 5.65861 [  $-(112*x^5-2*x^4-42*x^3-21*x^2+x+4)/(64*x^5-56*x^4-7*x^2+7*x-1)$  ogf]  
A303005 14.1578 [  $-(3*x^2+2*x+3)/(x^3+x^2+x-1)$  ogf]  
A303005 7.64273 [  $\{-a(n+3)+a(n+2)+a(n+1)+a(n), a(0) = 3, a(1) = 5, a(2) = 11\}$ , ogf]  
A303005 8.90338 [  $-(-3*x^4-4*x^3-8*x^2-12*x-5)/(-3*x^5-5*x^4-8*x^3-2*x^2-x+3)$  lgdogf]  
A303007 5.27812 [  $\{(n+2)*a(n+2)+(-210-240*n)*a(n+1), a(0) = 1, a(1) = -30\}$ , ogf]  
A303050 4.53304 [  $-9*(1111680*x^4-229888*x^3+11424*x^2-192*x+1)/(100*x-1)/(4*x-1)/(36*x-1)/(64*x-1)/(16*x-1)$  ogf]  
A303054 4.40418 [  $-(x^{14}+x^{13}+x^{12}-4*x^{11}-5*x^{10}-x^9+6*x^8+11*x^7-6*x^6-4*x^5-11*x^4+11*x^3+x^2+4*x+1)/(x-1)^5/(x^2+x+1)^5$  ogf]  
A303055 4.96517 [  $\{(n+2)*a(n+2)+(-462-504*n)*a(n+1), a(0) = 1, a(1) = -42\}$ , ogf]  
A303109 4.36732 [  $\{(2*n^3+11*n^2+20*n+12)*a(n+1)+(-3*n^2-15*n-19)*a(n+2)+(n+3)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 7/2\}$ , egf]  
A303120 4.01389 [  $-x*(7*x^8+46*x^7+224*x^6+386*x^5+594*x^4+386*x^3+224*x^2+46*x+7)/(x+1)^5/(x-1)^7$  ogf]  
A303148 5.92980 [  $-(3*x^8+4*x^7+x^6-3*x^5-2*x^4-x^3-3*x^2-x-1)/(x^3+x^2-1)/(x^6-x^2-1)$  ogf]  
A303183 5.56900 [  $(x^8-3*x^7+9*x^6-25*x^5+22*x^4-21*x^3+36*x^2-13*x-4)/(x-1)/(x^4-2*x^3-2*x+1)$  ogf]  
A303192 4.25449 [  $(16*x^{10}-40*x^9+8*x^8+32*x^7-26*x^6-6*x^5+26*x^4+25*x^3+3*x^2-3*x-3)/(6*x^7-10*x^6+6*x^5-15*x^4+11*x^3-x^2+2*x-1)$  ogf]  
A303212 3.57212 [  $\{(9*n^3+54*n^2+81*n)*a(n+1)+(-10*n^3-10*n^2-32*n-32)*a(n+2)+(n^3+4*n^2+5*n+2)*a(n+3), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A303212 4.90242 [  $x*(x^7-7*x^6+21*x^5-41*x^4-19*x^3-75*x^2+x-1)/(x-1)^7$  ogf]  
A303224 7.23560 [  $\{3*a(n+1)+(-n-3)*a(n+2)+a(n+3), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A303226 6.01812 [  $-2*x*(6*x^7+x^5-3*x^4-3*x^3-9*x^2+3*x+3)/(x^3+x^2-1)/(x^3-$

$x-1)/(x^3-x^2+2x-1)$  ogf]  
A303272 20.0977 [ 1852\*x/(x-1)^2 ogf]  
A303272 28.7110 [ 2/(-x+1) lgdogf]  
A303272 61.3856 [[2] ogf\_with\_Euler\_transform]  
A303272 9.57032 [{a(n+2)-2\*a(n+1)+a(n), a(0) = 0, a(1) = 1852}, ogf]  
A303296 8.48933 [ -(9\*x^8+x^7+7\*x^6+9\*x^5+4\*x^4+4\*x^3+9\*x^2+7\*x+1)/(x-1)/(x^2+x+1)/(x^6+x^3+1) ogf]  
A303302 16.7710 [ -34\*x\*(x+1)/(x-1)^3 ogf]  
A303302 22.4884 [ -(2\*x+4)/(x^2-1) lgdogf]  
A303302 46.8552 [[4-x] ogf\_with\_Euler\_transform]  
A303302 8.67973 [{a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 0, a(1) = 34, a(2) = 136}, ogf]  
A303305 10.7406 [ -x\*(x^2+13\*x+1)/(x+1)^2/(x-1)^3 ogf]  
A303309 9.11364 [ (4\*x^6-2\*x^4+4\*x^3-9\*x^2-3)/(x^2+1)/(x^2+x-1) ogf]  
A303310 4.92588 [ (x^9-2\*x^8-5\*x^7-5\*x^6-x^5-4\*x^4-x^3+7\*x^2+5)/(x^7+2\*x^6+x^5-2\*x^4-3\*x^3-x^2-x+1) ogf]  
A303311 3.99864 [ (8\*x^11-16\*x^10+20\*x^9-8\*x^8+2\*x^7-58\*x^6+52\*x^5-10\*x^4+46\*x^3-17\*x^2+x-8)/(4\*x^9-6\*x^7-10\*x^6+4\*x^5+2\*x^4+9\*x^3+x-1) ogf]  
A303312 3.67611 [ (31\*x^10+80\*x^9+249\*x^8+94\*x^7-10\*x^6-128\*x^5-60\*x^4-95\*x^3+28\*x^2+13)/(4\*x^8+8\*x^7+15\*x^6+5\*x^5-6\*x^4-10\*x^3-2\*x^2-x+1) ogf]  
A303315 7.93633 [ (8\*x^6+9\*x^5+21\*x^4+7\*x^3-8\*x^2-4)/(4\*x^4+3\*x^3+x-1) ogf]  
A303316 4.14001 [ (2\*x^10+13\*x^9+14\*x^8+35\*x^7+56\*x^6-43\*x^5-99\*x^4-21\*x^3-3\*x^2-2\*x+8)/(2\*x^7+7\*x^6+3\*x^5-9\*x^4-5\*x^3-x^2-x+1) ogf]  
A303383 5.42108 [ -x\*(x^2+x+1)\*(x^4+6\*x^3+16\*x^2+6\*x+1)/(x+1)^4/(x-1)^5 ogf]  
A303416 10.5587 [ -4\*(x^2+x+1)/(8\*x^3+6\*x^2+7\*x-1) ogf]  
A303416 5.60071 [{a(n+3)-7\*a(n+2)-6\*a(n+1)-8\*a(n), a(0) = 4, a(1) = 32, a(2) = 252}, ogf]  
A303416 6.31453 [ -(-8\*x^4-16\*x^3-23\*x^2-14\*x-8)/(-8\*x^5-14\*x^4-21\*x^3-12\*x^2-6\*x+1) lgdogf]  
A303417 4.27441 [ -(10\*x^5+11\*x^4+13\*x^3-25\*x^2-16\*x-8)/(20\*x^6+18\*x^5+23\*x^4-54\*x^3-21\*x^2-14\*x+1) ogf]  
A303422 8.05102 [ -(9\*x^3+12\*x^2+4\*x+4)/(18\*x^4+21\*x^3+4\*x^2+7\*x-1) ogf]  
A303427 13.0846 [ -(x+1)\*(x^2-2\*x+2)/(x^4+x^2-1) ogf]  
A303449 8.83307 [ -(7190232\*x^12-8987790\*x^11+1797558\*x^10-2\*x-1)/(4\*x-1)/(x-1) ogf]  
A303451 6.79676 [ -4\*(6\*x^4+6\*x^3+2\*x^2-1)/(16\*x^5+36\*x^4+2\*x^3+4\*x^2-8\*x+1) ogf]  
A303457 5.24252 [ -2\*(6\*x^7+12\*x^6+10\*x^4-3\*x^3-12\*x^2+2)/(32\*x^7-3\*x^6+8\*x^5+20\*x^4-40\*x^3+8\*x-1) ogf]  
A303464 5.33785 [ -(168\*x^5-16\*x^4-92\*x^3-13\*x^2+x+4)/(72\*x^5-144\*x^4+20\*x^3-5\*x^2+7\*x-1) ogf]  
A303486 11.5133 [ 4/3\*x-1/3-1/3\*(4\*x-1)^(1/4)\*(-1)^(3/4) revegf]  
A303487 11.9469 [ 5/4\*x-1/4-1/4\*(5\*x-1)^(1/5)\*(-1)^(4/5) revegf]  
A303488 12.3804 [ 6/5\*x-1/5-1/5\*(6\*x-1)^(1/6)\*(-1)^(5/6) revegf]  
A303502 11.5309 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 1, a(1) = 2}, ogf]  
A303502 28.6524 [ 1/(x-1)^2 ogf]  
A303502 33.7689 [ 2/(-x+1) lgdogf]  
A303502 72.5070 [[2] ogf\_with\_Euler\_transform]  
A303537 22.4716 [ 2/(-16\*x^2+1) lgdogf]  
A303537 6.93050 [ {(n+2)\*a(n+2)-2\*a(n+1)-16\*n\*a(n), a(0) = 1, a(1) = 2}, ogf]  
A303538 21.7584 [ 2/(-64\*x^2+1) lgdogf]  
A303538 6.71053 [ {(n+2)\*a(n+2)-2\*a(n+1)-64\*n\*a(n), a(0) = 1, a(1) = 2}, ogf]  
A303609 11.1902 [ 2\*x\*(x^2-5\*x+10)/(x-1)^4 ogf]  
A303609 12.3422 [ -(-2\*x^2+13\*x-35)/(-x^3+6\*x^2-15\*x+10) lgdogf]  
A303609 4.11405 [ {(30+10\*n)\*a(n+4)+(-65-15\*n)\*a(n+3)+(19+6\*n)\*a(n+2)+(-2-n)\*a(n+1), a(0) = 0, a(1) = 20, a(2) = 70, a(3) = 162}, ogf]  
A303611 13.3539 [ (2\*x^2-x+2)/(x-1)/(2\*x+1)/(2\*x-1) ogf]  
A303611 7.20875 [ {a(n+3)-a(n+2)-4\*a(n+1)+4\*a(n), a(0) = 2, a(1) = 1, a(2) = 11},

ogf]

A303611 8.14589 [  $-( -8x^4 + 8x^3 - 30x^2 + 20x + 1 ) / ( -8x^5 + 12x^4 - 10x^3 + 5x^2 + 3x - 2 )$  lgdogf]

A303619 4.84795 [  $( 4x^7 - 4x^6 + 16x^5 - 18x^4 + 10x^3 - 17x^2 + 7x + 1 ) / ( 4x^6 - 4x^5 + 12x^4 - 8x^3 + 5x^2 - 5x + 1 )$  ogf]

A303631 9.20212 [  $-x(x^3 + x^2 + x - 1) / (x^5 - x^4 - 2x^2 - x + 1)$  ogf]

A303649 6.96853 [  $x^3(x^4 - 2x^2 + 2x + 1) / (x + 1)^2(x - 1)^6$  ogf]

A303649 7.83130 [  $-( 4x^5 + 4x^4 - 8x^3 + 6x^2 + 12x + 6 ) / (x^6 - 3x^4 + 2x^3 + 3x^2 - 2x - 1)$  lgdogf]

A303677 9.39971 [  $-(x - 2)(2x^3 + 2x^2 + 2x + 1) / (2x^4 - 4x^3 - x + 1)$  ogf]

A303678 7.25656 [  $(x^7 + 6x^6 + 2x^5 - 11x^4 - 13x^3 + 2x^2 - 12x - 5) / (x^5 + x^4 + x - 1)$  ogf]

A303679 6.29673 [  $(2x^9 + 7x^8 + 13x^7 - 7x^6 - 3x^5 - 24x^4 - 19x^3 + 6x^2 - 23x - 8) / (x + 1)(x^2 - x + 1)(x^3 + x - 1)$  ogf]

A303680 5.34218 [  $(3x^{11} + 17x^{10} + 26x^9 + 27x^8 - 13x^7 - 29x^6 - 18x^5 - 33x^4 - 25x^3 + 10x^2 - 36x - 13) / (x^2 + 1)(x^5 - x^3 + x^2 + x - 1)$  ogf]

A303684 7.50461 [  $x(4x^4 - 4x^3 - 4x + 3) / (4x^5 + 2x^4 - 2x^3 - x^2 - 3x + 1)$  ogf]

A303692 7.53366 [  $x^2(x^3 + 7x^2 + 7x + 9) / (x + 1)^3(x - 1)^4$  ogf]

A303692 8.21169 [  $-( -4x^4 - 36x^3 - 52x^2 - 84x - 16 ) / ( -x^5 - 7x^4 - 6x^3 - 2x^2 + 7x + 9 )$  lgdogf]

A303714 13.2024 [  $(3x^3 - 2x^2 - 3) / (2x^3 + x - 1)$  ogf]

A303714 6.60122 [  $\{a(n+4) - a(n+3) - 2a(n+1), a(0) = 3, a(1) = 3, a(2) = 5, a(3) = 8\}$ , ogf]

A303715 6.35319 [  $-(x^5 + 9x^4 + 11x^3 + 2x^2 - 5) / (x^3 - x^2 - 1)(x^3 + 2x^2 + x - 1)$  ogf]

A303716 5.27948 [  $-(2x^8 + 4x^7 - 4x^6 - 11x^5 - 2x^4 + 9x^3 + x^2 + x - 8) / (x^3 - x^2 - 1)(x^3 + 2x^2 + x - 1)$  ogf]

A303717 5.57625 [  $-(6x^8 + 12x^7 - 3x^6 - 26x^5 - 17x^4 + 2x^2 - 13) / (x^3 - x^2 - 1)(x^3 + 2x^2 + x - 1)$  ogf]

A303718 4.85549 [  $-(28x^8 + 45x^7 - 11x^6 - 97x^5 - 70x^4 - 35x^3 + 4x^2 - 2x - 21) / (x^3 - x^2 - 1)(x^3 + 2x^2 + x - 1)$  ogf]

A303721 8.13677 [  $-(8x^4 + 14x^3 + 5x^2 - 2x - 2) / (2x - 1)(2x^3 + 3x^2 + x - 1)$  ogf]

A303722 5.71450 [  $-(2x^8 - 20x^7 + 26x^6 + 24x^5 - 28x^4 - 4x^3 - 19x^2 + 13x + 4) / (x - 1)(2x^5 - 2x^3 - x^2 - x + 1)$  ogf]

A303723 5.59245 [  $(43x^7 - 13x^6 - 83x^5 - 54x^4 - 19x^3 - 11x^2 + 41x + 8) / (x - 1)(2x^5 + 3x^4 + 2x^3 + x^2 - 1)$  ogf]

A303724 4.46859 [  $-(3x^{11} - 123x^9 + 151x^8 + 115x^7 - 33x^6 + 27x^5 - 31x^4 - 21x^3 - 163x^2 + 88x + 16) / (x - 1)(2x^7 + x^6 - x^3 - x^2 - x + 1)$  ogf]

A303730 11.6137 [  $-(4x^3 - 4x^2 + x) / (x^3 - 5x^2 + 4x - 1)$  revogf]

A303749 4.83238 [  $-(3x^5 - 3x^4 + x^3 - 2x - 1) / (x - 1)(x + 1)(3x^2 - 1)$  ogf]

A303784 10.1590 [  $-(x^{37} - 17x^{21} + 89x^{20} + 17x^{19} - 90x^{18} + 8x^3 - 10x - 1) / (x + 1)^2(x - 1)^2$  ogf]

A303794 8.33050 [  $2(4x^5 - 8x^3 + 2x^2 + 1) / (8x^5 + 8x^4 - 8x^3 - 2x + 1)$  ogf]

A303795 5.07827 [  $(12x^9 + 4x^8 - 12x^7 - 10x^6 - 9x^5 - x^4 - 7x^3 + x^2 + 8x + 4) / (x^2 + 1)(2x^5 + 2x^4 - x^3 - 2x^2 - x + 1)$  ogf]

A303802 9.49703 [  $-(4x^4 + x^2 - x - 2) / (2x - 1)(x - 1)(2x^2 + x + 1)$  ogf]

A303803 3.87771 [  $-(10x^9 + 18x^8 + 12x^7 + x^6 - 19x^5 - 6x^4 + 4x^3 - 9x^2 - 2x + 3) / (x + 1)(2x^9 + 2x^8 - 8x^7 + 7x^6 - 9x^5 + 4x^4 + 2x^3 - 5x^2 + 4x - 1)$  ogf]

A303813 12.0220 [  $-x(x^2 + 15x + 1) / (x + 1)^2(x - 1)^3$  ogf]

A303814 10.7342 [  $-x(x^2 + 20x + 1) / (x + 1)^2(x - 1)^3$  ogf]

A303815 10.4889 [  $-x(x^2 + 25x + 1) / (x + 1)^2(x - 1)^3$  ogf]

A303834 7.52386 [  $-(24x^4 - 34x^3 - 42x^2 + 9x + 3) / (x + 1)(x^2 - 3x + 1)(4x^2 + 2x - 1)$  ogf]

A303848 13.4199 [  $-(90x^{19} - 90x^{18} + 9x^2 - 9x - 1) / (x + 1)(x - 1)^2$  ogf]

A303850 12.7654 [  $-(90x^{19} - 90x^{18} + 9x^2 - 9x - 1) / (x + 1)(x - 1)^2$  ogf]

A303882 7.65104 [  $(4x^5 - 2x^3 - 6x^2 + 1) / (4x^5 + 6x^4 - 2x^3 + 2x^2 - 4x + 1)$  ogf]

A303890 8.25468 [  $-(6x^3 + x^2 + 4x + 1) / (4x^4 + 4x^3 + x^2 + 3x - 1)$  ogf]

A303902 14.3380 [  $-(x^4 - 3x^2 - x) / (x^4 - 2x^2 + 1)$  ogf\_with\_Euler\_transform]

A303930 4.95503 [  $-(20x^7 - 60x^6 + 22x^5 + 45x^4 - 30x^3 - 4x^2 + 6x - 1) / (x^2 - 3x + 1)(5x^2 - 5x + 1)(5x^4 - 5x^2 + 1)$  ogf]

A303956 5.03866 [ (16\*x^7+16\*x^6-9\*x^5-18\*x^4-11\*x^3-2\*x^2+x+4)/(4\*x^7+6\*x^6+2\*x^5-2\*x^4-3\*x^3-2\*x^2-x+1) ogf]  
A303963 10.3022 [ -(4\*x^3-4\*x^2-3\*x-2)/(4\*x^4-8\*x^3-x+1) ogf]  
A303964 4.30654 [ -(x^11+x^10+x^9+x^8+4\*x^7+5\*x^6-4\*x^4-7\*x^3-4\*x^2-6\*x-3)/(x^12+x^11+x^7-x^6-x^5-2\*x^4-2\*x^3-x+1) ogf]  
A303977 4.98025 [[1] ogf\_with\_Euler\_transform]  
A304004 10.3470 [ -(2\*x+1)\*(x+1)\*(2\*x^2-1)/(2\*x-1)/(2\*x^3+x^2-x-1) ogf]  
A304013 6.14027 [ -(8\*x^5+24\*x^4+20\*x^3+3\*x^2-5\*x-1)/(2\*x-1)/(x+1)/(4\*x^3+4\*x^2+x-1) ogf]  
A304052 6.63267 [ (24\*x^5-12\*x^4-18\*x^3+5\*x^2+2\*x+1)/(16\*x^5+4\*x^4-8\*x^3-3\*x^2-x+1) ogf]  
A304128 9.78875 [ (2\*x^6-2\*x^5-4\*x^3-2\*x^2-4\*x-3)/(2\*x^3+x-1) ogf]  
A304129 3.84245 [ (4\*x^12+4\*x^11-20\*x^10-5\*x^9-14\*x^8+25\*x^7+40\*x^6+2\*x^5+15\*x^4-10\*x^3-2\*x^2-12\*x-5)/(2\*x^10-2\*x^8-5\*x^7-x^6+x^5+3\*x^3+x-1) ogf]  
A304136 4.86999 [ (8\*x^9-27\*x^7-21\*x^6-7\*x^5+29\*x^4+8\*x^3+3\*x^2-6\*x-1)/(x-1)/(x^2+x+1)/(x^2+x-1)/(4\*x^3-1) ogf]  
A304137 5.63859 [ (6\*x^9+6\*x^8+x^7-20\*x^6-37\*x^5+22\*x^4+9\*x^3+17\*x^2-11\*x-1)/(x-1)/(x^2+x-1)/(3\*x^3-1) ogf]  
A304143 7.03355 [ -(8\*x^5+18\*x^4+14\*x^3+3\*x^2-5\*x-1)/(2\*x-1)/(x+1)/(2\*x^3+2\*x^2+x-1) ogf]  
A304157 16.7364 [ -(5\*x+17)/(5\*x^2+x-6) lgdogf]  
A304157 17.4486 [ 4\*(5\*x+6)/(x-1)^2 ogf]  
A304157 9.76288 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 24, a(1) = 68}, ogf]  
A304158 10.8978 [ {-a(n+2)+2\*a(n+1)-a(n), a(0) = 24, a(1) = 84}, ogf]  
A304158 19.0711 [ -(-3\*x-7)/(-3\*x^2+x+2) lgdogf]  
A304158 19.4769 [ 12\*(3\*x+2)/(x-1)^2 ogf]  
A304159 13.2505 [ 2\*(x^3+3\*x^2+x+1)/(x-1)^4 ogf]  
A304159 13.4249 [ -(-x^3-9\*x^2-9\*x-5)/(-x^4-2\*x^3+2\*x^2+1) lgdogf]  
A304159 5.34183 [ {(-49\*n^2-237\*n-278)\*a(n+1)+(26\*n^2-136\*n-586)\*a(n+2)+(23\*n^2+157\*n+264)\*a(n+3), a(0) = 2, a(1) = 10, a(2) = 34}, ogf]  
A304160 9.38988 [ -(-2\*x^4-22\*x^3-54\*x^2-34\*x-8)/(-2\*x^5-5\*x^4-4\*x^3+8\*x^2+2\*x+1) lgdogf]  
A304160 9.68331 [ -(2\*x^4+7\*x^3+11\*x^2+3\*x+1)/(x-1)^5 ogf]  
A304161 10.2627 [ 2\*(x^3+5\*x^2-3\*x+3)/(x-1)^4 ogf]  
A304161 4.10506 [ {(-187\*n^2-943\*n-1138)\*a(n+1)+(210\*n^2+288\*n-1098)\*a(n+2)+(-23\*n^2+163\*n+696)\*a(n+3), a(0) = 6, a(1) = 18, a(2) = 46}, ogf]  
A304161 9.88256 [ -(x^3+13\*x^2+x+9)/(x^4+4\*x^3-8\*x^2+6\*x-3) lgdogf]  
A304162 7.35233 [ -(-5\*x^4-20\*x^3-60\*x^2-16\*x-19)/(-5\*x^5+5\*x^4-20\*x^3+26\*x^2-11\*x+5) lgdogf]  
A304162 8.60557 [ -(5\*x^4+20\*x^2-6\*x+5)/(x-1)^5 ogf]  
A304163 10.9548 [ -(x^2+22\*x+31)/(x^3+9\*x^2-3\*x-7) lgdogf]  
A304163 11.6616 [ -(x^2+10\*x+7)/(x-1)^3 ogf]  
A304163 6.34228 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 7, a(1) = 31, a(2) = 73}, ogf]  
A304164 12.0727 [ -(-x^2-14\*x-12)/(-x^3-5\*x^2+4\*x+2) lgdogf]  
A304164 12.6476 [ -6\*(x^2+6\*x+2)/(x-1)^3 ogf]  
A304164 6.86895 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 12, a(1) = 72, a(2) = 186}, ogf]  
A304165 12.9363 [ -(17\*x^2+186\*x+121)/(17\*x^3+59\*x^2-61\*x-15) lgdogf]  
A304165 14.3084 [ -6\*(17\*x^2+76\*x+15)/(x-1)^3 ogf]  
A304165 8.00299 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 90, a(1) = 726, a(2) = 2010}, ogf]  
A304166 14.1919 [ -(23\*x^2+198\*x+103)/(23\*x^3+53\*x^2-67\*x-9) lgdogf]  
A304166 15.0268 [ -18\*(23\*x^2+76\*x+9)/(x-1)^3 ogf]  
A304166 8.51517 [ {a(n+3)-3\*a(n+2)+3\*a(n+1)-a(n), a(0) = 162, a(1) = 1854, a(2) = 5490}, ogf]  
A304167 14.2957 [ -(15\*x^2-15\*x+4)/(x-1)/(3\*x-1)/(2\*x-1) ogf]  
A304167 8.02564 [ {a(n+3)-6\*a(n+2)+11\*a(n+1)-6\*a(n), a(0) = 4, a(1) = 9, a(2) = 25}, ogf]  
A304167 8.31748 [ -(90\*x^4-180\*x^3+147\*x^2-58\*x+9)/

$(90*x^5-255*x^4+279*x^3-149*x^2+39*x-4)$  lgdogf]  
A304168 11.4330 [  $\{-a(n+2)+5*a(n+1)-6*a(n), a(0) = 5, a(1) = 16\}$ , ogf]  
A304168 13.5562 [  $\frac{-(-54*x^2+60*x-16)}{(-54*x^3+75*x^2-34*x+5)}$  lgdogf]  
A304168 21.0874 [  $\frac{-(9*x-5)}{(3*x-1)/(2*x-1)}$  ogf]  
A304169 12.0800 [  $2*(24*x^2+15*x-13)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A304169 6.65425 [  $\{a(n+3)-6*a(n+2)+11*a(n+1)-6*a(n), a(0) = 26, a(1) = 126, a(2) = 422\}$ , ogf]  
A304169 6.88774 [  $\frac{-((144*x^4+180*x^3-543*x^2+334*x-63))}{(144*x^5-174*x^4-99*x^3+209*x^2-93*x+13)}$  lgdogf]  
A304170 13.9256 [  $4*(99*x^2-37*x-4)/(x-1)/(3*x-1)/(2*x-1)$  ogf]  
A304170 7.90692 [  $\{a(n+3)-6*a(n+2)+11*a(n+1)-6*a(n), a(0) = 16, a(1) = 244, a(2) = 892\}$ , ogf]  
A304170 8.11318 [  $\frac{-(594*x^4-444*x^3-259*x^2+286*x-61)}{(594*x^5-1311*x^4+977*x^3-277*x^2+13*x+4)}$  lgdogf]  
A304171 10.7478 [  $\frac{-(-22*x^2+196*x-136)}{(-22*x^3+131*x^2-158*x+49)}$  lgdogf]  
A304171 17.1507 [  $\frac{-(11*x-49)}{(2*x-1)/(x-1)}$  ogf]  
A304171 9.48334 [  $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 49, a(1) = 136\}$ , ogf]  
A304172 11.4356 [  $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 54, a(1) = 153\}$ , ogf]  
A304172 14.2946 [  $\frac{-(-2*x^2+24*x-17)}{(-2*x^3+15*x^2-19*x+6)}$  lgdogf]  
A304172 21.1311 [  $\frac{-9*(x-6)}{(2*x-1)/(x-1)}$  ogf]  
A304205 10.4245 [  $\{-a(n+2)+2*a(n+1)-a(n), a(0) = 12, a(1) = 61\}$ , ogf]  
A304205 16.5219 [  $\frac{-(-37*x-61)}{(-37*x^2+25*x+12)}$  lgdogf]  
A304205 18.6311 [  $(37*x+12)/(x-1)^2$  ogf]  
A304216 9.38836 [  $\frac{-(x+1)*(2*x^3+2*x^2+x+3)}{(2*x^4+x^3+x-1)}$  ogf]  
A304217 5.81442 [  $\frac{(12*x^8-5*x^7-16*x^6-10*x^5-9*x^4+5*x^3+12*x+5)}{(2*x^7-x^5-x^4-2*x^3-x+1)}$  ogf]  
A304218 3.97229 [  $\frac{(2*x^{13}-2*x^{12}+16*x^{11}-10*x^{10}-25*x^9+7*x^8-13*x^7+4*x^6+11*x^5-22*x^4+6*x^3+x^2+23*x+8)}{(x^2+1)/(x^8-x^6+2*x^5-2*x^3-x^2-x+1)}$  ogf]  
A304225 11.1736 [  $\frac{-(2*x^4-3*x^3+2*x^2-x+4)}{(x^3+x-1)}$  ogf]  
A304225 6.07068 [  $\{a(n+5)-a(n+4)-a(n+2), a(0) = 4, a(1) = 3, a(2) = 5, a(3) = 6, a(4) = 11\}$ , ogf]  
A304226 6.93148 [  $\frac{(12*x^7+28*x^6-4*x^5-16*x^4-35*x^3+x^2-3*x+8)}{(4*x^6-5*x^3-x+1)}$  ogf]  
A304227 5.76609 [  $\frac{(28*x^9+21*x^8+90*x^7+192*x^6-41*x^5-61*x^4-135*x^3+3*x^2-8*x+16)}{(14*x^6-9*x^3-x+1)}$  ogf]  
A304257 8.32876 [  $\frac{-x*(4*x^4-8*x^2-2*x+3)}{(2*x-1)/(2*x^4-2*x^3-3*x^2+1)}$  ogf]  
A304265 13.1775 [  $\frac{(5*x^3-3*x^2-3)}{(3*x^3+x-1)}$  ogf]  
A304265 6.53143 [  $\{-a(n+4)+a(n+3)+3*a(n+1), a(0) = 3, a(1) = 3, a(2) = 6, a(3) = 10\}$ , ogf]  
A304266 6.80240 [  $\frac{(8*x^6+5*x^5-11*x^4-19*x^3+5)}{(3*x^6+3*x^5-x^4-5*x^3-x^2-x+1)}$  ogf]  
A304267 3.67243 [  $\frac{(19*x^9-23*x^8-14*x^7-58*x^6-6*x^5+25*x^4+56*x^3-4*x^2+x-8)}{(4*x^9-4*x^8-5*x^7-12*x^6-2*x^5+4*x^4+10*x^3+x^2+x-1)}$  ogf]  
A304293 12.0439 [  $\frac{-4*x*(2*x^2-1)}{(2*x-1)/(x-1)/(2*x^2+x+1)}$  ogf]  
A304293 7.31637 [  $\frac{-(-16*x^5+8*x^4+16*x^3-16*x^2+6*x-2)}{(-8*x^6+8*x^5+2*x^4-x^2-2*x+1)}$  lgdogf]  
A304297 5.70863 [  $\frac{-(2*x^8-x^7+x^6+4*x^5+5*x^4-2*x^2-2*x-1)}{(2*x^9+x^8+2*x^7+4*x^6-2*x^4-3*x^3-x^2+1)}$  ogf]  
A304304 7.91794 [  $\frac{-(8*x^4+16*x^3+7*x^2-2*x-2)}{(2*x-1)/(4*x^3+5*x^2+x-1)}$  ogf]  
A304341 6.35330 [  $2*(x^2+x-1)*(6*x^3-3*x^2-x-1)/(8*x^5+10*x^4-6*x^3-2*x^2-2*x+1)$  ogf]  
A304349 9.00862 [  $\frac{-(8*x^3-x^2-x-2)}{(x-1)/(8*x^3+x-1)}$  ogf]  
A304370 10.3728 [  $\frac{(8*x^2-14*x+9)}{(4*x-1)/(2*x-1)/(x-1)^2}$  ogf]  
A304370 3.53954 [  $\{(24*n+104)*a(n+1)+(-42*n-158)*a(n+2)+(21*n+73)*a(n+3)+(-3*n-10)*a(n+4), a(0) = 9, a(1) = 58, a(2) = 283, a(3) = 1244\}$ , ogf]  
A304370 6.60922 [  $\frac{-((128*x^4-384*x^3+520*x^2-304*x+58))}{(64*x^5-224*x^4+324*x^3-232*x^2+77*x-9)}$  lgdogf]  
A304371 3.57341 [  $\{(16*n+72)*a(n+1)+(-28*n-110)*a(n+2)+(14*n+51)*a(n+3)+(-2*n-7)*a(n+4), a(0) = 5, a(1) = 47, a(2) = 257, a(3) = 1187\}$ , ogf]  
A304371 9.33552 [  $\frac{(8*x^3-14*x^2+7*x+5)}{(4*x-1)/(2*x-1)/(x-1)^2}$  ogf]

A304374 15.6482  $[-(x^2+2x-12)/(x^3-x^2-4x+4) \text{ lgdogf}]$   
A304374 17.5367  $[6*(x-2)*(x+2)/(x-1)^3 \text{ ogf}]$   
A304374 8.76836  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 24, a(1) = 72, a(2) = 138}, \text{ ogf}]$   
A304375 15.6871  $[-(-4*x^2+2*x+29)/(-4*x^3+9*x^2+3*x-8) \text{ lgdogf}]$   
A304375 15.9322  $[3*(4*x^2-5*x-8)/(x-1)^3 \text{ ogf}]$   
A304375 8.79017  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 24, a(1) = 87, a(2) = 177}, \text{ ogf}]$   
A304376 10.2212  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 72, a(1) = 192}, \text{ ogf}]$   
A304376 13.1636  $[-(-2*x^2+12*x-8)/(-2*x^3+9*x^2-10*x+3) \text{ lgdogf}]$   
A304376 18.4851  $[-24*(x-3)/(2*x-1)/(x-1) \text{ ogf}]$   
A304377 11.0823  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 108, a(1) = 312}, \text{ ogf}]$   
A304377 14.0159  $[-(-2*x^2+36*x-26)/(-2*x^3+21*x^2-28*x+9) \text{ lgdogf}]$   
A304377 19.8558  $[ -12*(x-9)/(2*x-1)/(x-1) \text{ ogf}]$   
A304378 13.8177  $[ -4*x*(23*x+9)/(x-1)^3 \text{ ogf}]$   
A304378 15.6777  $[-(-46*x-50)/(-23*x^2+14*x+9) \text{ lgdogf}]$   
A304378 7.15125  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 36, a(2) = 200}, \text{ ogf}]$   
A304379 12.4624  $[-(-164*x^2-214*x-6)/(-164*x^3+221*x^2-78*x+21) \text{ lgdogf}]$   
A304379 13.9730  $[ -4*(164*x^2-57*x+21)/(x-1)^3 \text{ ogf}]$   
A304379 7.95017  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 84, a(1) = 24, a(2) = 476}, \text{ ogf}]$   
A304380 14.8226  $[ -8*(5*x+4)/(x-1)^3 \text{ ogf}]$   
A304380 16.3048  $[-(10*x+17)/(5*x^2-x-4) \text{ lgdogf}]$   
A304380 6.96788  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 32, a(1) = 136, a(2) = 312}, \text{ ogf}]$   
A304381 12.2059  $[-(x^2+38*x+42)/(x^3+17*x^2-10*x-8) \text{ lgdogf}]$   
A304381 13.1746  $[ -4*(x^2+18*x+8)/(x-1)^3 \text{ ogf}]$   
A304381 7.09400  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 32, a(1) = 168, a(2) = 412}, \text{ ogf}]$   
A304383 10.9709  $[-(-124*x^2+268*x-139)/(-124*x^3+320*x^2-263*x+67) \text{ lgdogf}]$   
A304383 17.9737  $[ -(62*x-67)/(2*x-1)/(x-1) \text{ ogf}]$   
A304383 9.93838  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 67, a(1) = 139}, \text{ ogf}]$   
A304384 10.4473  $[-(-284*x^2+620*x-323)/(-284*x^3+736*x^2-607*x+155) \text{ lgdogf}]$   
A304384 16.6303  $[ -2*(142*x-155)/(2*x-1)/(x-1) \text{ ogf}]$   
A304384 9.47543  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 310, a(1) = 646}, \text{ ogf}]$   
A304385 15.7089  $[ -(322*x-353)/(2*x-1)/(x-1) \text{ ogf}]$   
A304385 8.95044  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 353, a(1) = 737}, \text{ ogf}]$   
A304385 9.50294  $[-(-644*x^2+1412*x-737)/(-644*x^3+1672*x^2-1381*x+353) \text{ lgdogf}]$   
A304387 10.1497  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 22, a(1) = 49}, \text{ ogf}]$   
A304387 12.0081  $[-(-34*x^2+88*x-49)/(-34*x^3+95*x^2-83*x+22) \text{ lgdogf}]$   
A304387 18.1398  $[ -(17*x-22)/(2*x-1)/(x-1) \text{ ogf}]$   
A304388 10.4518  $[-(-124*x^2+268*x-139)/(-124*x^3+320*x^2-263*x+67) \text{ lgdogf}]$   
A304388 16.4242  $[ -4*(62*x-67)/(2*x-1)/(x-1) \text{ ogf}]$   
A304388 9.35797  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 268, a(1) = 556}, \text{ ogf}]$   
A304389 11.1629  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 230, a(1) = 482}, \text{ ogf}]$   
A304389 12.3078  $[-(-208*x^2+460*x-241)/(-208*x^3+542*x^2-449*x+115) \text{ lgdogf}]$   
A304389 19.5920  $[ -2*(104*x-115)/(2*x-1)/(x-1) \text{ ogf}]$   
A304421 10.7845  $[ -(x^2+4*x+1)/(2*x^3+3*x^2+3*x-1) \text{ ogf}]$   
A304421 5.82173  $[{-a(n+3)+3*a(n+2)+3*a(n+1)+2*a(n), a(0) = 1, a(1) = 7, a(2) = 25}, \text{ ogf}]$   
A304421 6.51343  $[-(2*x^4+16*x^3+15*x^2+8*x+7)/(2*x^5+11*x^4+17*x^3+14*x^2-x-1) \text{ lgdogf}]$   
A304498 7.51168  $[ (3*x^8+2*x^7+2*x^6+2*x^5+3*x^4+2*x^3+2*x^2+3*x+2)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 \text{ ogf}]$   
A304501 5.65949  $[ -(x^23-x^22-x^14+x^13-3*x^8-2*x^7-2*x^6-2*x^5-3*x^4-2*x^3-3*x^2-2*x-2)/(x^2+x+1)/(x^6+x^3+1)/(x-1)^2 \text{ ogf}]$   
A304503 14.9893  $[ -6*(7*x+2)/(x-1)^3 \text{ ogf}]$   
A304503 16.4883  $[-(-14*x-13)/(-7*x^2+5*x+2) \text{ lgdogf}]$   
A304503 7.10701  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 12, a(1) = 78, a(2) =$



198}], ogf]  
A304504 12.3968  $[-(x^2+46x+34)/(x^3+21x^2-18x-4) \text{ lgdogf}]$   
A304504 13.3806  $[-3*(x^2+22x+4)/(x-1)^3 \text{ ogf}]$   
A304504 7.20496  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 12, a(1) = 102, a(2) = 273}], \text{ ogf}]$   
A304505 15.3269  $[-8*(7x+2)/(x-1)^3 \text{ ogf}]$   
A304505 16.8596  $[ -(-14x-13)/(-7x^2+5x+2) \text{ lgdogf}]$   
A304505 7.20496  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 16, a(1) = 104, a(2) = 264}], \text{ ogf}]$   
A304506 12.6152  $[-(x^2+46x+34)/(x^3+21x^2-18x-4) \text{ lgdogf}]$   
A304506 13.6164  $[-4*(x^2+22x+4)/(x-1)^3 \text{ ogf}]$   
A304506 7.33192  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 16, a(1) = 136, a(2) = 364}], \text{ ogf}]$   
A304507 15.4620  $[-10*(7x+2)/(x-1)^3 \text{ ogf}]$   
A304507 17.0082  $[ -(-14x-13)/(-7x^2+5x+2) \text{ lgdogf}]$   
A304507 7.26844  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 20, a(1) = 130, a(2) = 330}], \text{ ogf}]$   
A304508 12.8337  $[-(x^2+46x+34)/(x^3+21x^2-18x-4) \text{ lgdogf}]$   
A304508 13.6358  $[-5*(x^2+22x+4)/(x-1)^3 \text{ ogf}]$   
A304508 7.45888  $[{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 20, a(1) = 170, a(2) = 455}], \text{ ogf}]$   
A304509 11.0769  $[ -(-32x^2+116x-71)/(-32x^3+106x^2-103x+29) \text{ lgdogf}]$   
A304509 17.4402  $[ -3*(16x-29)/(2x-1)/(x-1) \text{ ogf}]$   
A304509 9.64340  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 87, a(1) = 213}], \text{ ogf}]$   
A304510 11.5590  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 96, a(1) = 234}], \text{ ogf}]$   
A304510 13.8383  $[ -(-18x^2+64x-39)/(-18x^3+59x^2-57x+16) \text{ lgdogf}]$   
A304510 20.9047  $[ -6*(9x-16)/(2x-1)/(x-1) \text{ ogf}]$   
A304511 10.8940  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 450, a(1) = 1086}], \text{ ogf}]$   
A304511 12.6371  $[ -(-88x^2+300x-181)/(-88x^3+282x^2-269x+75) \text{ lgdogf}]$   
A304511 19.3425  $[ -6*(44x-75)/(2x-1)/(x-1) \text{ ogf}]$   
A304512 11.2692  $[ -(-54x^2+176x-105)/(-54x^3+169x^2-159x+44) \text{ lgdogf}]$   
A304512 17.2488  $[ -12*(27x-44)/(2x-1)/(x-1) \text{ ogf}]$   
A304512 9.71485  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 528, a(1) = 1260}], \text{ ogf}]$   
A304513 11.7965  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 19, a(1) = 76}], \text{ ogf}]$   
A304513 15.4829  $[ -(2x^2+4x-4)/(2x^3-x^2-2x+1) \text{ lgdogf}]$   
A304513 21.0831  $[ 19*(x+1)/(2x-1)/(x-1) \text{ ogf}]$   
A304514 12.6130  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 21, a(1) = 87}], \text{ ogf}]$   
A304514 15.1356  $[ -(16x^2+28x-29)/(16x^3-10x^2-13x+7) \text{ lgdogf}]$   
A304514 22.5423  $[ 3*(8x+7)/(2x-1)/(x-1) \text{ ogf}]$   
A304515 15.6631  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 96, a(1) = 414}], \text{ ogf}]$   
A304515 18.7515  $[ -(42x^2+64x-69)/(42x^3-31x^2-27x+16) \text{ lgdogf}]$   
A304515 27.7367  $[ 6*(21x+16)/(2x-1)/(x-1) \text{ ogf}]$   
A304516 11.4047  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 111, a(1) = 495}], \text{ ogf}]$   
A304516 13.0774  $[ -(108x^2+148x-165)/(108x^3-88x^2-57x+37) \text{ lgdogf}]$   
A304516 20.0164  $[ 3*(54x+37)/(2x-1)/(x-1) \text{ ogf}]$   
A304517 12.1898  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 21, a(1) = 53}], \text{ ogf}]$   
A304517 14.4217  $[ -(-20x^2+84x-53)/(-20x^3+72x^2-73x+21) \text{ lgdogf}]$   
A304517 21.7860  $[ -(10x-21)/(2x-1)/(x-1) \text{ ogf}]$   
A304518 12.2386  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 86, a(1) = 222}], \text{ ogf}]$   
A304518 13.8704  $[ -(-36x^2+172x-111)/(-36x^3+140x^2-147x+43) \text{ lgdogf}]$   
A304518 22.1336  $[ -2*(18x-43)/(2x-1)/(x-1) \text{ ogf}]$   
A304519 11.5590  $[{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 88, a(1) = 232}], \text{ ogf}]$   
A304519 14.2394  $[ -(-8x^2+44x-29)/(-8x^3+34x^2-37x+11) \text{ lgdogf}]$   
A304519 20.9047  $[ -8*(4x-11)/(2x-1)/(x-1) \text{ ogf}]$   
A304567 4.84345  $[ -$   
 $(15x^{14}-60x^{11}+8x^{10}+5x^9+90x^8-12x^7+31x^6-60x^5+23x^3+15x^2+4x+1)/($   
 $(x-1)^5/(x^2+x+1)^5 \text{ ogf}]$   
A304577 4.72869  $[ -x^4*(x^{16}+x^{12}+x^{11}+x^8+x^6+x^4+x^3+x^2+x+1)/(x-1)/$   
 $(x^6+x^5+x^4+x^3+x^2+x+1)/(x^2+x+1)/(x^{12}-x^{11}+x^9-x^8+x^6-x^4+x^3-x+1) \text{ ogf}]$   
A304578 5.97126  $[ -(4725x^5-4635x^4+1942x^3-434x^2+53x-3)/(5x-1)^3/$   
 $(3x-1)^3 \text{ ogf}]$

A304579 8.15139 [  $-( -3x^4 - 12x^3 - 30x^2 - 12x - 3 ) / ( -3x^5 + 3x^4 - 10x^3 + 12x^2 - 3x + 1 )$  lgdogf ]  
A304579 9.35557 [  $-2 * ( 3x^4 + 10x^2 - 2x + 1 ) / ( x - 1 )^5$  ogf ]  
A304580 6.20689 [  $-( 6x^9 + 3x^8 - 2x^7 + 2x^6 - 2x^5 + 2x^4 - 2x^3 + 2x^2 + 8x + 1 ) / ( x - 1 ) / ( x + 1 ) / ( x^8 + 1 )$  ogf ]  
A304583 6.20689 [  $-( 8x^9 + 11x^8 + 9x^7 + 11x^6 + 9x^5 + 11x^4 + 9x^3 + 11x^2 + 9x + 1 ) / ( x - 1 ) / ( x + 1 ) / ( x^2 + x + 1 ) / ( x^6 + x^3 + 1 )$  ogf ]  
A304599 4.80068 [  $( 12x^9 + 14x^8 + 28x^7 + 13x^6 - 22x^5 - 24x^4 - 16x^3 + x + 4 ) / ( 6x^7 + 7x^6 + 2x^5 - 2x^4 - 4x^3 - 2x^2 - x + 1 )$  ogf ]  
A304605 10.6793 [ { a(n+2) - 3a(n+1) + 2a(n), a(0) = 122, a(1) = 218 }, ogf ]  
A304605 11.9275 [  $-( -148x^2 + 244x - 109 ) / ( -148x^3 + 344x^2 - 257x + 61 )$  lgdogf ]  
A304605 18.7433 [  $-2 * ( 74x - 61 ) / ( 2x - 1 ) / ( x - 1 )$  ogf ]  
A304606 11.0309 [  $-( -82x^2 + 136x - 61 ) / ( -82x^3 + 191x^2 - 143x + 34 )$  lgdogf ]  
A304606 16.6589 [  $-4 * ( 41x - 34 ) / ( 2x - 1 ) / ( x - 1 )$  ogf ]  
A304606 9.49172 [ { a(n+2) - 3a(n+1) + 2a(n), a(0) = 136, a(1) = 244 }, ogf ]  
A304607 11.4728 [ { a(n+2) - 3a(n+1) + 2a(n), a(0) = 644, a(1) = 1148 }, ogf ]  
A304607 13.8630 [  $-( -56x^2 + 92x - 41 ) / ( -56x^3 + 130x^2 - 97x + 23 )$  lgdogf ]  
A304607 20.3701 [  $-28 * ( 28x - 23 ) / ( 2x - 1 ) / ( x - 1 )$  ogf ]  
A304608 10.8151 [ { a(n+2) - 3a(n+1) + 2a(n), a(0) = 754, a(1) = 1330 }, ogf ]  
A304608 11.6162 [  $-( -932x^2 + 1508x - 665 ) / ( -932x^3 + 2152x^2 - 1597x + 377 )$  lgdogf ]  
A304608 19.2023 [  $-2 * ( 466x - 377 ) / ( 2x - 1 ) / ( x - 1 )$  ogf ]  
A304609 13.2526 [  $-( 10x + 104 ) / ( 10x^2 + 37x - 47 )$  lgdogf ]  
A304609 15.2264 [  $2 * ( 10x + 47 ) / ( x - 1 )^2$  ogf ]  
A304609 8.41933 [ { -a(n+2) + 2a(n+1) - a(n), a(0) = 94, a(1) = 208 }, ogf ]  
A304610 13.2129 [  $-( 40x + 274 ) / ( 40x^2 + 77x - 117 )$  lgdogf ]  
A304610 15.1398 [  $( 40x + 117 ) / ( x - 1 )^2$  ogf ]  
A304610 8.45010 [ { -a(n+2) + 2a(n+1) - a(n), a(0) = 117, a(1) = 274 }, ogf ]  
A304611 11.2357 [ { -a(n+2) + 2a(n+1) - a(n), a(0) = 117, a(1) = 272 }, ogf ]  
A304611 17.5685 [  $-( 38x + 272 ) / ( 38x^2 + 79x - 117 )$  lgdogf ]  
A304611 20.1306 [  $( 38x + 117 ) / ( x - 1 )^2$  ogf ]  
A304612 10.6011 [ { -a(n+2) + 3a(n+1) - 2a(n), a(0) = 37, a(1) = 112 }, ogf ]  
A304612 12.5152 [  $-( 2x^2 + 148x - 112 ) / ( 2x^3 + 71x^2 - 110x + 37 )$  lgdogf ]  
A304612 19.5890 [  $( x + 37 ) / ( 2x - 1 ) / ( x - 1 )$  ogf ]  
A304613 11.6824 [  $-( 2x^2 + 56x - 43 ) / ( 2x^3 + 25x^2 - 41x + 14 )$  lgdogf ]  
A304613 17.5236 [  $3 * ( x + 14 ) / ( 2x - 1 ) / ( x - 1 )$  ogf ]  
A304613 9.48334 [ { -a(n+2) + 3a(n+1) - 2a(n), a(0) = 42, a(1) = 129 }, ogf ]  
A304614 11.6195 [  $-( 8x^2 + 132x - 103 ) / ( 8x^3 + 54x^2 - 95x + 33 )$  lgdogf ]  
A304614 17.1872 [  $6 * ( 4x + 33 ) / ( 2x - 1 ) / ( x - 1 )$  ogf ]  
A304614 9.59288 [ { -a(n+2) + 3a(n+1) - 2a(n), a(0) = 198, a(1) = 618 }, ogf ]  
A304615 10.2827 [ { -a(n+2) + 3a(n+1) - 2a(n), a(0) = 234, a(1) = 741 }, ogf ]  
A304615 13.1987 [  $-( 2x^2 + 24x - 19 ) / ( 2x^3 + 9x^2 - 17x + 6 )$  lgdogf ]  
A304615 18.4232 [  $39 * ( x + 6 ) / ( 2x - 1 ) / ( x - 1 )$  ogf ]  
A304616 12.7015 [  $-( -29x^2 - 46x - 6 ) / ( -29x^3 + 35x^2 - 10x + 4 )$  lgdogf ]  
A304616 13.4831 [  $-6 * ( 29x^2 - 6x + 4 ) / ( x - 1 )^3$  ogf ]  
A304616 7.55520 [ { a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = 24, a(1) = 36, a(2) = 210 }, ogf ]  
A304617 12.5914 [  $-( -107x^2 - 378x - 163 ) / ( -107x^3 + 25x^2 + 55x + 27 )$  lgdogf ]  
A304617 14.3084 [  $-3 * ( 107x^2 + 82x + 27 ) / ( x - 1 )^3$  ogf ]  
A304617 8.00299 [ { a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = 81, a(1) = 489, a(2) = 1545 }, ogf ]  
A304618 12.5531 [  $-( -x^2 + 42x + 67 ) / ( -x^3 + 23x^2 - 7x - 15 )$  lgdogf ]  
A304618 13.3376 [  $6 * ( x^2 - 22x - 15 ) / ( x - 1 )^3$  ogf ]  
A304618 7.29580 [ { a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = 90, a(1) = 402, a(2) = 930 }, ogf ]  
A304619 13.3800 [  $-( -x^2 + 82x + 81 ) / ( -x^3 + 43x^2 - 29x - 13 )$  lgdogf ]  
A304619 13.9881 [  $12 * ( x^2 - 42x - 13 ) / ( x - 1 )^3$  ogf ]  
A304619 7.75813 [ { a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = 156, a(1) = 972, a(2) = 2436 }, ogf ]  
A304630 19.6399 [  $-( x^3 - x - 2 ) / ( -x^3 + 1 )$  ogf\_with\_Euler\_transform ]  
A304631 15.8094 [  $-( x^4 - x^2 + x - 2 ) / ( -x^4 + 1 )$  ogf\_with\_Euler\_transform ]  
A304632 17.6216 [  $-( x^6 - x^4 - 2 ) / ( -x^6 + 1 )$  ogf\_with\_Euler\_transform ]

A304659 13.1951 [  $x*(11*x+5)/(x-1)^4$  ogf]  
A304659 17.0760 [  $-(-33*x-31)/(-11*x^2+6*x+5)$  lgdogf]  
A304659 5.65505 [  $\{( -10-5*n)*a(n+3)+(25-6*n)*a(n+2)+(33+11*n)*a(n+1), a(0) = 0, a(1) = 5, a(2) = 31\}$ , ogf]  
A304664 4.22509 [  $-(x^{11}+2*x^{10}+x^9+4*x^8+4*x^7+9*x^6+x^5-5*x^3-4*x^2-6*x-3)/(x-1)/(x^2+x+1)/(x^9+2*x^8+3*x^6+2*x^5+x^4+3*x^3+x-1)$  ogf]  
A304723 14.9928 [  $-(150*x-20)/(75*x^2-20*x+1)$  lgdogf]  
A304723 22.7034 [  $x/(15*x-1)/(5*x-1)$  ogf]  
A304723 9.57373 [  $\{a(n+2)-20*a(n+1)+75*a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A304725 7.89063 [  $-(-x^4+10*x^3-42*x^2+106*x+47)/(-x^5+8*x^4-28*x^3+58*x^2-35*x-2)$  lgdogf]  
A304725 8.46006 [  $(x^4-7*x^3+21*x^2-37*x-2)/(x-1)^5$  ogf]  
A304726 7.99311 [  $-(-8*x^4-22*x^3-60*x^2-22*x-8)/(-8*x^5+13*x^4-30*x^3+32*x^2-10*x+3)$  lgdogf]  
A304726 8.57594 [  $-(-8*x^4-5*x^3+25*x^2-7*x+3)/(x-1)^5$  ogf]  
A304770 5.83665 [  $-(x^7-9*x^6+22*x^5+26*x^4-7*x^3-2*x^2-17*x-4)/(x^5-2*x^4-3*x^3-x^2-x+1)$  ogf]  
A304809 12.0801 [  $(4*x^3+7*x^2+8*x+2)/(x^2+x+1)/(x-1)^2$  ogf]  
A304809 4.81806 [  $\{(-21*n-71)*a(n+1)-21*a(n+2)-21*a(n+3)+(21*n+50)*a(n+4), a(0) = 2, a(1) = 10, a(2) = 17, a(3) = 23\}$ , ogf]  
A304825 13.7720 [  $-(-x^4+x^3-x^2+x+1)/(x-1)$  ogf\_with\_Euler\_transform]  
A304826 12.0313 [  $-(7*x^2+14*x-9)/(7*x^3-x^2-7*x+1)$  lgdogf]  
A304826 17.3785 [  $8*(x+1)/(7*x-1)/(x-1)$  ogf]  
A304826 9.42208 [  $\{-a(n+2)+8*a(n+1)-7*a(n), a(0) = 8, a(1) = 72\}$ , ogf]  
A304827 11.3927 [  $-(-35*x^2+42*x-29)/(35*x^3-19*x^2-19*x+3)$  lgdogf]  
A304827 16.9678 [  $4*(5*x+3)/(7*x-1)/(x-1)$  ogf]  
A304827 9.38221 [  $\{-a(n+2)+8*a(n+1)-7*a(n), a(0) = 12, a(1) = 116\}$ , ogf]  
A304828 10.4501 [  $-(-161*x^2+126*x-95)/(161*x^3-121*x^2-49*x+9)$  lgdogf]  
A304828 16.1106 [  $8*(23*x+9)/(7*x-1)/(x-1)$  ogf]  
A304828 9.09774 [  $\{-a(n+2)+8*a(n+1)-7*a(n), a(0) = 72, a(1) = 760\}$ , ogf]  
A304829 13.8389 [  $-8*(93*x-157)/(7*x-1)/(x-1)$  ogf]  
A304829 7.86299 [  $\{-a(n+2)+8*a(n+1)-7*a(n), a(0) = 1256, a(1) = 9304\}$ , ogf]  
A304829 8.43833 [  $-(-651*x^2+2198*x-1163)/(-651*x^3+1843*x^2-1349*x+157)$  lgdogf]  
A304830 10.5444 [  $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 96, a(1) = 300\}$ , ogf]  
A304830 13.1805 [  $-(2*x^2+32*x-25)/(2*x^3+13*x^2-23*x+8)$  lgdogf]  
A304830 19.0696 [  $12*(x+8)/(2*x-1)/(x-1)$  ogf]  
A304831 11.1629 [  $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 111, a(1) = 357\}$ , ogf]  
A304831 12.9731 [  $-(-16*x^2+148*x-119)/(16*x^3+50*x^2-103*x+37)$  lgdogf]  
A304831 20.0002 [  $3*(8*x+37)/(2*x-1)/(x-1)$  ogf]  
A304832 14.6654 [  $-(-4*x^2-18*x+25)/(-4*x^3-x^2+15*x-10)$  lgdogf]  
A304832 15.8293 [  $2*(4*x^2+5*x-10)/(x-1)^3$  ogf]  
A304832 8.67170 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 20, a(1) = 50, a(2) = 82\}$ , ogf]  
A304833 14.7761 [  $-(-35*x^2-12*x+65)/(-35*x^3+64*x^2-17*x-12)$  lgdogf]  
A304833 16.3922 [  $(35*x^2-29*x-12)/(x-1)^3$  ogf]  
A304833 9.04397 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 12, a(1) = 65, a(2) = 124\}$ , ogf]  
A304834 13.8474 [  $-(-x^2+46*x+63)/(-x^3+25*x^2-11*x-13)$  lgdogf]  
A304834 15.1662 [  $2*(x^2-24*x-13)/(x-1)^3$  ogf]  
A304834 8.16643 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 26, a(1) = 126, a(2) = 298\}$ , ogf]  
A304835 13.9063 [  $-(5*x^2+96*x+61)/(5*x^3+38*x^2-37*x-6)$  lgdogf]  
A304835 14.5482 [  $-4*(5*x^2+43*x+6)/(x-1)^3$  ogf]  
A304835 8.08232 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 24, a(1) = 244, a(2) = 680\}$ , ogf]  
A304836 15.6138 [  $-6*x*(4*x+5)/(x-1)^3$  ogf]  
A304836 18.8002 [  $-(8*x+19)/(4*x^2+x-5)$  lgdogf]  
A304836 8.08081 [  $\{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 0, a(1) = 30, a(2) = 114\}$ , ogf]  
A304837 16.6664 [  $-12*x*(52*x+29)/(x-1)^3$  ogf]  
A304837 18.4845 [  $-(-104*x-139)/(-52*x^2+23*x+29)$  lgdogf]

A304837 8.76422 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 0, a(1) = 348, a(2) = 1668\}$ , ogf]  
A304838 10.7599 [ $[-(-523x^2-1274x-147)/(-523x^3+409x^2+103x+11) \text{ lgdogf}]$   
A304838 12.5265 [ $[-6*(523x^2+114x+11)/(x-1)^3 \text{ ogf}]$   
A304838 7.11249 [ $\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0) = 66, a(1) = 882, a(2) = 5586\}$ , ogf]  
A304839 10.8978 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 23, a(1) = 84\}$ , ogf]  
A304839 17.2719 [ $[-(-38x-84)/(-38x^2+15x+23) \text{ lgdogf}]$   
A304839 19.4769 [ $[(38x+23)/(x-1)^2 \text{ ogf}]$   
A304840 10.7235 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 50, a(1) = 102\}$ , ogf]  
A304840 17.8726 [ $[-(x+51)/(x^2+24x-25) \text{ lgdogf}]$   
A304840 19.8152 [ $[2*(x+25)/(x-1)^2 \text{ ogf}]$   
A304841 10.9076 [ $\{-a(n+2)+2a(n+1)-a(n), a(0) = 57, a(1) = 124\}$ , ogf]  
A304841 17.1694 [ $[-(10x+124)/(10x^2+47x-57) \text{ lgdogf}]$   
A304841 19.7266 [ $[(10x+57)/(x-1)^2 \text{ ogf}]$   
A304868 6.30134 [ $[(2x^{11}+x^{10}+3x^9+x^8+4x^7+4x^6+3x^5+x^4+4x^3+4x^2+4x+1)/(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x-1)^2 \text{ ogf}]$   
A304883 17.2584 [ $[-(x^4+x+1)/(x^6-1) \text{ ogf\_with\_Euler\_transform}]$   
A304885 15.9495 [ $[-(x^4+x^3+1)/(x^6-1) \text{ ogf\_with\_Euler\_transform}]$   
A304915 21.8489 [ $[2/(-256x^2+1) \text{ lgdogf}]$   
A304915 6.87836 [ $\{(n+2)a(n+2)-2a(n+1)-256na(n), a(0) = 1, a(1) = 2\}$ , ogf]  
A304921 4.99290 [ $[-(8x^8-12x^7-13x^6+6x^5+16x^4+10x^3-2x^2-x-4)/(6x^7+7x^6+2x^5-2x^4-4x^3-2x^2-x+1) \text{ ogf}]$   
A304933 15.8655 [ $[-(-32x-2)/(-16x^2+1) \text{ lgdogf}]$   
A304933 5.40603 [ $\{(-2-n)a(n+3)+2a(n+2)+(32+16n)a(n+1), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A304934 14.6660 [ $[-(-128x-2)/(-64x^2+1) \text{ lgdogf}]$   
A304934 5.06840 [ $\{(-2-n)a(n+3)+2a(n+2)+(128+64n)a(n+1), a(0) = 0, a(1) = 1, a(2) = 2\}$ , ogf]  
A304940 22.0168 [ $[4/(-16x^2+1) \text{ lgdogf}]$   
A304940 6.79024 [ $\{(n+2)a(n+2)-4a(n+1)-16na(n), a(0) = 1, a(1) = 4\}$ , ogf]  
A304941 23.2016 [ $[6/(-16x^2+1) \text{ lgdogf}]$   
A304941 7.15564 [ $\{(n+2)a(n+2)-6a(n+1)-16na(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A304944 15.6046 [ $[-(-32x-6)/(-16x^2+1) \text{ lgdogf}]$   
A304944 5.31711 [ $\{(-2-n)a(n+3)+6a(n+2)+(32+16n)a(n+1), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A304960 13.8160 [ $[-12*(9x-1)/(18x-1)/(5x-1) \text{ ogf}]$   
A304960 7.94021 [ $\{a(n+2)-23a(n+1)+90a(n), a(0) = 12, a(1) = 168\}$ , ogf]  
A304962 13.3818 [ $[-(2x^2+x-2)/(4x^3-2x^2-2x+1) \text{ ogf\_with\_Euler\_transform}]$   
A304993 13.4484 [ $[x*(3x+4)/(x-1)^4 \text{ ogf}]$   
A304993 17.8398 [ $[-(9x+19)/(3x^2+x-4) \text{ lgdogf}]$   
A304993 5.78906 [ $\{(8+4n)a(n+3)+(-20-n)a(n+2)+(-9-3n)a(n+1), a(0) = 0, a(1) = 4, a(2) = 19\}$ , ogf]  
A305029 19.5963 [ $[x^9-2x^4-x+2 \text{ ogf\_with\_Euler\_transform}]$   
A305029 7.62988 [ $[(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1) \text{ ogf}]$   
A305031 25.3432 [ $[6/(-4x^2+1) \text{ lgdogf}]$   
A305031 7.65078 [ $\{(n+2)a(n+2)-6a(n+1)-4na(n), a(0) = 1, a(1) = 6\}$ , ogf]  
A305032 18.0285 [ $[-(8x+6)/(4x^2-1) \text{ lgdogf}]$   
A305032 5.96430 [ $\{(n+2)a(n+3)-6a(n+2)+(-8-4n)a(n+1), a(0) = 0, a(1) = 1, a(2) = 6\}$ , ogf]  
A305035 10.8544 [ $[(4x^5+8x^3-4x^2+x-4)/(2x^3+x-1) \text{ ogf}]$   
A305036 4.82170 [ $[(8x^{10}+4x^9+8x^8+37x^7+12x^6-5x^5-26x^4-28x^3+2x^2-3x+8)/(4x^7+4x^6-x^4-5x^3-x+1) \text{ ogf}]$   
A305037 4.58387 [ $[(28x^{10}+46x^9+61x^8+136x^7+174x^6-67x^5-87x^4-131x^3+5x^2-8x+16)/(4x^7+14x^6-2x^4-9x^3-x+1) \text{ ogf}]$   
A305043 3.92124 [ $[(6x^{12}+6x^{11}+7x^{10}-22x^9-44x^8-2x^7-2x^6+93x^5-35x^4+6x^3-28x^2+10x+1)/(x-1)/(x^2+x-1)/(3x^6+3x^4-5x^3-x+1) \text{ ogf}]$   
A305060 11.7665 [ $\{a(n+2)-3a(n+1)+2a(n), a(0) = 28, a(1) = 46\}$ , ogf]

A305060 13.9209  $[ -(-38*x^2+56*x-23)/(-38*x^3+85*x^2-61*x+14) \text{ lgdogf} ]$   
A305060 21.0295  $[ -2*(19*x-14)/(2*x-1)/(x-1) \text{ ogf} ]$   
A305061 11.2508  $[ \{a(n+2)-3*a(n+1)+2*a(n), a(0) = 34, a(1) = 54\}, \text{ ogf} ]$   
A305061 13.1259  $[ -(-48*x^2+68*x-27)/(-48*x^3+106*x^2-75*x+17) \text{ lgdogf} ]$   
A305061 20.1077  $[ -2*(24*x-17)/(2*x-1)/(x-1) \text{ ogf} ]$   
A305062 12.6091  $[ \{a(n+2)-3*a(n+1)+2*a(n), a(0) = 176, a(1) = 272\}, \text{ ogf} ]$   
A305062 15.2730  $[ -(-32*x^2+44*x-17)/(-32*x^3+70*x^2-49*x+11) \text{ lgdogf} ]$   
A305062 22.1302  $[ -16*(16*x-11)/(2*x-1)/(x-1) \text{ ogf} ]$   
A305063 10.7196  $[ \{a(n+2)-3*a(n+1)+2*a(n), a(0) = 228, a(1) = 338\}, \text{ ogf} ]$   
A305063 11.8191  $[ -(-346*x^2+456*x-169)/(-346*x^3+747*x^2-515*x+114) \text{ lgdogf} ]$   
A305063 18.8140  $[ -2*(173*x-114)/(2*x-1)/(x-1) \text{ ogf} ]$   
A305064 11.6706  $[ \{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 22, a(1) = 64\}, \text{ ogf} ]$   
A305064 14.2077  $[ -(-2*x^2+44*x-32)/(-2*x^3+25*x^2-34*x+11) \text{ lgdogf} ]$   
A305064 21.3115  $[ -2*(x-11)/(2*x-1)/(x-1) \text{ ogf} ]$   
A305065 11.1139  $[ \{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 24, a(1) = 72\}, \text{ ogf} ]$   
A305065 19.4493  $[ -(4*x-3)/(2*x^2-3*x+1) \text{ lgdogf} ]$   
A305065 27.4579  $[ 24/(2*x-1)/(x-1) \text{ ogf} ]$   
A305066 10.4617  $[ \{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 114, a(1) = 348\}, \text{ ogf} ]$   
A305066 13.0392  $[ -(2*x^2+76*x-58)/(2*x^3+35*x^2-56*x+19) \text{ lgdogf} ]$   
A305066 19.1427  $[ 6*(x+19)/(2*x-1)/(x-1) \text{ ogf} ]$   
A305067 12.3725  $[ -(6*x^2+88*x-69)/(6*x^3+35*x^2-63*x+22) \text{ lgdogf} ]$   
A305067 17.7854  $[ 6*(3*x+22)/(2*x-1)/(x-1) \text{ ogf} ]$   
A305067 9.92676  $[ \{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 132, a(1) = 414\}, \text{ ogf} ]$   
A305068 10.8512  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 36, a(1) = 90\}, \text{ ogf} ]$   
A305068 18.9896  $[ -(x+5)/(x^2+x-2) \text{ lgdogf} ]$   
A305068 19.3936  $[ 18*(x+2)/(x-1)^2 \text{ ogf} ]$   
A305069 11.1838  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 45, a(1) = 162\}, \text{ ogf} ]$   
A305069 19.4004  $[ -(-8*x-18)/(-8*x^2+3*x+5) \text{ lgdogf} ]$   
A305069 20.2260  $[ 9*(8*x+5)/(x-1)^2 \text{ ogf} ]$   
A305070 17.4603  $[ -108*(4*x+3)/(x-1)^3 \text{ ogf} ]$   
A305070 20.3110  $[ -(8*x+13)/(4*x^2-x-3) \text{ lgdogf} ]$   
A305070 8.29364  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 324, a(1) = 1404, a(2) = 3240\}, \text{ ogf} ]$   
A305071 17.6176  $[ -54*(23*x+13)/(x-1)^3 \text{ ogf} ]$   
A305071 19.2796  $[ -(-46*x-62)/(-23*x^2+10*x+13) \text{ lgdogf} ]$   
A305071 8.51517  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 702, a(1) = 3348, a(2) = 7938\}, \text{ ogf} ]$   
A305072 17.6842  $[ -24*(7*x+5)/(x-1)^3 \text{ ogf} ]$   
A305072 20.1600  $[ -(14*x+22)/(7*x^2-2*x-5) \text{ lgdogf} ]$   
A305072 8.47059  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 120, a(1) = 528, a(2) = 1224\}, \text{ ogf} ]$   
A305073 17.7704  $[ -192*(2*x+1)/(x-1)^3 \text{ ogf} ]$   
A305073 21.1023  $[ -(-4*x-5)/(-2*x^2+x+1) \text{ lgdogf} ]$   
A305073 8.51185  $[ \{a(n+3)-3*a(n+2)+3*a(n+1)-a(n), a(0) = 192, a(1) = 960, a(2) = 2304\}, \text{ ogf} ]$   
A305074 16.1371  $[ -(2*x+8)/(2*x^2+x-3) \text{ lgdogf} ]$   
A305074 16.8387  $[ 4*(2*x+3)/(x-1)^2 \text{ ogf} ]$   
A305074 9.22119  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 12, a(1) = 32\}, \text{ ogf} ]$   
A305075 10.2749  $[ \{-a(n+2)+2*a(n+1)-a(n), a(0) = 8, a(1) = 40\}, \text{ ogf} ]$   
A305075 17.7671  $[ -(-3*x-5)/(-3*x^2+2*x+1) \text{ lgdogf} ]$   
A305075 18.5396  $[ 8*(3*x+1)/(x-1)^2 \text{ ogf} ]$   
A305091 7.43355  $[ (16*x^5-16*x^4-10*x^3+5*x^2+2*x+1)/(16*x^5-8*x^3-x^2-x+1) \text{ ogf} ]$   
A305153 11.4607  $[ \{a(n+2)-3*a(n+1)+2*a(n), a(0) = 42, a(1) = 72\}, \text{ ogf} ]$   
A305153 13.7528  $[ -(-18*x^2+28*x-12)/(-18*x^3+41*x^2-30*x+7) \text{ lgdogf} ]$   
A305153 20.4829  $[ -6*(9*x-7)/(2*x-1)/(x-1) \text{ ogf} ]$   
A305154 11.5446  $[ \{a(n+2)-3*a(n+1)+2*a(n), a(0) = 45, a(1) = 81\}, \text{ ogf} ]$   
A305154 14.0543  $[ -(-12*x^2+20*x-9)/(-12*x^3+28*x^2-21*x+5) \text{ lgdogf} ]$   
A305154 20.6330  $[ -9*(6*x-5)/(2*x-1)/(x-1) \text{ ogf} ]$   
A305155 11.3767  $[ \{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 13, a(1) = 41\}, \text{ ogf} ]$   
A305155 13.8499  $[ -(4*x^2+52*x-41)/(4*x^3+20*x^2-37*x+13) \text{ lgdogf} ]$   
A305155 20.7749  $[ (2*x+13)/(2*x-1)/(x-1) \text{ ogf} ]$

A305156 10.9273 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 58, a(1) = 194\}$ , ogf]  
A305156 12.9002 [ $-(20x^2+116x-97)/(20x^3+28x^2-77x+29)$  lgdogf]  
A305156 19.7621 [ $2*(10x+29)/(2x-1)/(x-1)$  ogf]  
A305157 10.4232 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 65, a(1) = 229\}$ , ogf]  
A305157 11.9726 [ $-(68x^2+260x-229)/(68x^3+28x^2-161x+65)$  lgdogf]  
A305157 18.8504 [ $(34x+65)/(2x-1)/(x-1)$  ogf]  
A305158 11.3438 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 6, a(1) = 27\}$ , ogf]  
A305158 14.7115 [ $-(6x^2+8x-9)/(6x^3-5x^2-3x+2)$  lgdogf]  
A305158 20.9231 [ $3*(3x+2)/(2x-1)/(x-1)$  ogf]  
A305159 10.8050 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 24, a(1) = 126\}$ , ogf]  
A305159 13.3104 [ $-(18x^2+16x-21)/(18x^3-19x^2-3x+4)$  lgdogf]  
A305159 19.5409 [ $6*(9x+4)/(2x-1)/(x-1)$  ogf]  
A305160 10.8865 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 24, a(1) = 147\}$ , ogf]  
A305160 13.4109 [ $-(50x^2+32x-49)/(50x^3-59x^2+x+8)$  lgdogf]  
A305160 19.6884 [ $3*(25x+8)/(2x-1)/(x-1)$  ogf]  
A305163 11.4288 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 6, a(1) = 30\}$ , ogf]  
A305163 14.8217 [ $-(-4x^2-4x+5)/(-4x^3+4x^2+x-1)$  lgdogf]  
A305163 20.6215 [ $6*(2x+1)/(2x-1)/(x-1)$  ogf]  
A305164 11.4713 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 6, a(1) = 34\}$ , ogf]  
A305164 13.7988 [ $-(16x^2+12x-17)/(16x^3-18x^2-x+3)$  lgdogf]  
A305164 20.6982 [ $2*(8x+3)/(2x-1)/(x-1)$  ogf]  
A305165 11.5179 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 24, a(1) = 160\}$ , ogf]  
A305165 14.1887 [ $-(22x^2+12x-20)/(22x^3-27x^2+2x+3)$  lgdogf]  
A305165 20.8303 [ $8*(11x+3)/(2x-1)/(x-1)$  ogf]  
A305166 11.0496 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 24, a(1) = 188\}$ , ogf]  
A305166 13.4174 [ $-(58x^2+24x-47)/(58x^3-75x^2+11x+6)$  lgdogf]  
A305166 19.5670 [ $4*(29x+6)/(2x-1)/(x-1)$  ogf]  
A305177 4.12097 [  
 $(8x^{12}-4x^{11}-8x^{10}+8x^9-13x^8-4x^7-18x^6-11x^5+2x^4+5x^3+8x^2+2x+1)/$   
 $(4x^{10}+2x^9+8x^7+x^6-4x^4-4x^3+1)$  ogf]  
A305225 5.25503 [ $-(2x^8-19x^7+14x^6+33x^5-12x^4-15x^3-22x^2+13x+4)/$   
 $(x-1)/(2x^5+x^4-2x^3-2x^2-x+1)$  ogf]  
A305226 4.62930 [ $(34x^8-67x^7-49x^6+41x^5+66x^4+93x^3+19x^2-41x-8)/$   
 $(x-1)/(2x^6-3x^4-4x^3-3x^2+1)$  ogf]  
A305240 3.94856 [  
 $(6x^{10}-12x^9-9x^8+2x^7-3x^6+8x^5+2x^4+18x^3+2x^2-8x-4)/(x^8-$   
 $x^7-3x^6-2x^5-x^4+2x^3+2x^2+x-1)$  ogf]  
A305256 11.7026 [ $I/(4x-1)^{(1/2)}-I/(4x^2-1)^{(1/2)}x$  ogf\_with\_Euler\_transform]  
A305261 10.8457 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 12, a(1) = 132\}$ , ogf]  
A305261 13.5572 [ $-(16x^2+4x-11)/(16x^3-22x^2+5x+1)$  lgdogf]  
A305261 19.6146 [ $12*(8x+1)/(2x-1)/(x-1)$  ogf]  
A305262 10.2616 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 13, a(1) = 153\}$ , ogf]  
A305262 11.6298 [ $-(228x^2+52x-153)/(228x^3-316x^2+75x+13)$  lgdogf]  
A305262 18.1715 [ $(114x+13)/(2x-1)/(x-1)$  ogf]  
A305263 11.1100 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 58, a(1) = 738\}$ , ogf]  
A305263 12.2642 [ $-(564x^2+116x-369)/(564x^3-788x^2+195x+29)$  lgdogf]  
A305263 19.6739 [ $2*(282x+29)/(2x-1)/(x-1)$  ogf]  
A305264 11.9059 [ $\{-a(n+2)+3a(n+1)-2a(n), a(0) = 65, a(1) = 901\}$ , ogf]  
A305264 12.6500 [ $-(1412x^2+260x-901)/(1412x^3-1988x^2+511x+65)$  lgdogf]  
A305264 21.0833 [ $(706x+65)/(2x-1)/(x-1)$  ogf]  
A305265 11.6395 [ $\{a(n+2)-3a(n+1)+2a(n), a(0) = 74, a(1) = 86\}$ , ogf]  
A305265 12.8648 [ $-(-136x^2+148x-43)/(-136x^3+278x^2-179x+37)$  lgdogf]  
A305265 20.3692 [ $-2*(68x-37)/(2x-1)/(x-1)$  ogf]  
A305266 10.7573 [ $-(-320x^2+348x-101)/(-320x^3+654x^2-421x+87)$  lgdogf]  
A305266 17.2565 [ $-(160x-87)/(2x-1)/(x-1)$  ogf]  
A305266 9.74485 [ $\{a(n+2)-3a(n+1)+2a(n), a(0) = 87, a(1) = 101\}$ , ogf]  
A305267 10.4778 [ $\{a(n+2)-3a(n+1)+2a(n), a(0) = 426, a(1) = 494\}$ , ogf]  
A305267 11.2636 [ $-(-784x^2+852x-247)/(-784x^3+1602x^2-1031x+213)$  lgdogf]  
A305267 18.3896 [ $-2*(392x-213)/(2x-1)/(x-1)$  ogf]  
A305268 10.6390 [ $\{a(n+2)-3a(n+1)+2a(n), a(0) = 522, a(1) = 604\}$ , ogf]  
A305268 11.2957 [ $-(-962x^2+1044x-302)/(-962x^3+1965x^2-1264x+261)$  lgdogf]

A305268 18.6726 [  $-2*(481*x-261)/(2*x-1)/(x-1)$  ogf]  
A305269 10.2212 [  $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 25, a(1) = 145\}$ , ogf]  
A305269 12.5913 [  $-(28*x^2+20*x-29)/(28*x^3-32*x^2-x+5)$  lgdogf]  
A305269 18.4851 [  $5*(14*x+5)/(2*x-1)/(x-1)$  ogf]  
A305270 10.3020 [  $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 28, a(1) = 168\}$ , ogf]  
A305270 14.5944 [  $-(6*x^2+4*x-6)/(6*x^3-7*x^2+1)$  lgdogf]  
A305270 18.6312 [  $28*(3*x+1)/(2*x-1)/(x-1)$  ogf]  
A305271 10.4013 [  $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 132, a(1) = 812\}$ , ogf]  
A305271 11.9269 [  $-(208*x^2+132*x-203)/(208*x^3-246*x^2+5*x+33)$  lgdogf]  
A305271 18.2554 [  $4*(104*x+33)/(2*x-1)/(x-1)$  ogf]  
A305272 10.5200 [  $\{-a(n+2)+3*a(n+1)-2*a(n), a(0) = 160, a(1) = 996\}$ , ogf]  
A305272 12.0629 [  $-(258*x^2+160*x-249)/(258*x^3-307*x^2+9*x+40)$  lgdogf]  
A305272 18.4637 [  $4*(129*x+40)/(2*x-1)/(x-1)$  ogf]  
A305290 10.0085 [  $x*(7*x^2-10*x+7)/(x-1)/(x+1)^4$  ogf]  
A305290 10.5218 [  $-(21*x^3-61*x^2+79*x-31)/(7*x^4-10*x^3+10*x-7)$  lgdogf]  
A305291 7.56342 [  $-(-x^5+9*x^4-61*x^3+69*x^2-46*x+6)/(-x^6+3*x^5-15*x^4+15*x^2-3*x+1)$  lgdogf]  
A305291 8.77035 [  $(x^4-3*x^3+16*x^2-3*x+1)/(x-1)/(x+1)^4$  ogf]  
A305292 7.69020 [  $-(2*x^4+3*x^3-8*x^2+3*x+2)/(x-1)/(x^2+6*x+1)/(x^2-6*x+1)$  ogf]  
A305335 5.01046 [  $(16*x^7+24*x^6-8*x^5-23*x^4-13*x^3-5*x^2+x+4)/(4*x^7+8*x^6+3*x^5-2*x^4-3*x^3-3*x^2-x+1)$  ogf]  
A305342 3.89804 [  $-(x^2+x+1)*(x^9+2*x^6+3*x^5-3*x^3+x^2-3*x-3)/(x^12+x^11+x^9+x^8+x^7-x^6-x^5-2*x^4-3*x^3-x+1)$  ogf]  
A305381 7.67174 [  $-2*(16*x^5-8*x^4+4*x^3-2*x^2+x-2)/(2*x-1)/(4*x^5+2*x^2-1)$  ogf]  
A305412 8.95153 [  $-(x^4-2*x^3-5*x^2+1)/(x+1)/(x^2-3*x+1)/(x^2+x-1)$  ogf]  
A305413 12.1862 [  $-(-2*x-199)/(-x^2-199*x+1)$  lgdogf]  
A305413 16.2483 [  $-x/(x^2+199*x-1)$  ogf]  
A305413 7.63475 [  $\{-a(n+2)+199*a(n+1)+a(n), a(0) = 0, a(1) = 1\}$ , ogf]  
A305459 5.07636 [  $\{a(n+1)+(3*n+9)*a(n+2)-a(n+3), a(0) = 1, a(1) = 3, a(2) = 19\}$ , ogf]  
A305460 5.10066 [  $\{-2*a(n+1)+(-3*n-9)*a(n+2)+a(n+3), a(0) = 1, a(1) = 3, a(2) = 20\}$ , ogf]  
A305462 6.16797 [  $x*(18*x^29+2*x^13+2*x^9+x^7+x^6+x^5+x^4+x^3+x^2+x+1)/(x+1)/(x^4+1)/(x^2+1)/(x-1)^2$  ogf]  
A305471 5.02779 [  $\{a(n+1)+(-3*n-9)*a(n+2)+a(n+3), a(0) = 1, a(1) = 3, a(2) = 17\}$ , ogf]  
A305472 5.02779 [  $\{2*a(n+1)+(-3*n-9)*a(n+2)+a(n+3), a(0) = 1, a(1) = 3, a(2) = 16\}$ , ogf]  
A305477 7.78256 [  $-(2*x^8+2*x^6+2*x^4-2*x^3-3*x^2-4*x-3)/(2*x^6-3*x^3-x+1)$  ogf]  
A305478 3.79170 [  $(4*x^12+8*x^11-12*x^10-21*x^9-16*x^8-7*x^7+46*x^6+16*x^5+35*x^4-2*x^3-4*x^2-12*x-5)/(2*x^10+2*x^9-2*x^8-7*x^7-7*x^6+x^5+5*x^3+x-1)$  ogf]  
A305492 13.4011 [  $-(-14*x-2)/(-7*x^2-2*x+1)$  lgdogf]  
A305492 17.7474 [  $-2*x/(7*x^2+2*x-1)$  ogf]  
A305492 8.10681 [  $\{-a(n+2)+2*a(n+1)+7*a(n), a(0) = 0, a(1) = 2\}$ , ogf]  
A305495 6.85301 [  $(3*x^9+x^8+2*x^7+3*x^6+3*x^5+3*x^4+3*x^3+3*x^2+3*x+3)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A305496 6.41977 [  $(x^10+9*x^9+3*x^8+6*x^7+9*x^6+9*x^5+9*x^4+9*x^3+9*x^2+9*x+8)/(x+1)/(x^4+x^3+x^2+x+1)/(x^4-x^3+x^2-x+1)/(x-1)^2$  ogf]  
A305503 6.85808 [  $x^14*(x^2-9*x+9)/(x-1)^2$  ogf]  
A305511 3.87321 [  $(4*x^12+6*x^11+4*x^10+9*x^9+5*x^8+4*x^7-10*x^6-13*x^5-8*x^4+4*x^2+2*x+1)/(x+1)/(2*x^9+x^8+5*x^6-x^5+x^4-4*x^3-x+1)$  ogf]  
A305518 5.73949 [  $-(x+1)*(27*x^4+39*x^3+9*x^2-4*x-4)/(30*x^5+44*x^4+10*x^3-8*x^2-6*x+1)$  ogf]  
A305539 10.1163 [  $-(3*x^2-70*x+35)/(x^3-35*x^2+35*x-1)$  lgdogf]  
A305539 15.9979 [  $-x/(x-1)/(x^2-34*x+1)$  ogf]  
A305539 6.03428 [  $\{a(n+3)-35*a(n+2)+35*a(n+1)-a(n), a(0) = 0, a(1) = 1, a(2) = 35\}$ , ogf]  
A305548 12.0305 [  $\{a(n+2)-2*a(n+1)+a(n), a(0) = 0, a(1) = 27\}$ , ogf]  
A305548 25.9606 [  $27*x/(x-1)^2$  ogf]

A305548 75.5527 [[2] ogf\_with\_Euler\_transform]  
A305549 4.21102 [ {(2\*n^2+9\*n+10)\*a(n+1)+(-4\*n^2-20\*n-97)\*a(n+2)+(2\*n^2+11\*n+15)\*a(n+3), a(0) = 1, a(1) = 73, a(2) = 985}, ogf]  
A305549 5.59420 [ -(x^2+6\*x+1)\*(x^4+60\*x^3+134\*x^2+60\*x+1)/(x-1)^7 ogf]  
A305581 9.57155 [ -(2\*x^4-5\*x^3-x^2-x+4)/(x^3+x^2+x-1) ogf]  
A305582 5.69429 [ (12\*x^7+36\*x^6+10\*x^5-18\*x^4-43\*x^3-13\*x^2-3\*x+8)/(4\*x^6+2\*x^5-5\*x^3-2\*x^2-x+1) ogf]  
A305583 4.42485 [ (42\*x^9-33\*x^8+168\*x^7+460\*x^6+53\*x^5-115\*x^4-197\*x^3-37\*x^2-8\*x+16)/(27\*x^6+9\*x^5-12\*x^3-3\*x^2-x+1) ogf]  
A305608 6.68496 [ {16\*a(n)\*n+2\*a(n+1)+(-n-2)\*a(n+2), a(0) = 0, a(1) = 1}, ogf]  
A305608 8.23960 [ -(-2\*x^4-4\*x^3-3\*x^2-x)/(8\*x^4+16\*x^3+12\*x^2+4\*x+1) revogf]  
A305609 6.59636 [ {64\*a(n)\*n+2\*a(n+1)+(-n-2)\*a(n+2), a(0) = 0, a(1) = 1}, ogf]  
A305612 7.36057 [ {4\*a(n)\*n+6\*a(n+1)+(-n-2)\*a(n+2), a(0) = 0, a(1) = 3}, ogf]  
A305623 13.1273 [ -3\*x^2\*(5\*x^2-x-1)/(3\*x-1)/(2\*x-1)/(3\*x^2-1)/(2\*x^2-1) ogf]  
A305623 7.84439 [ -(720\*x^7-630\*x^6-336\*x^5+347\*x^4+46\*x^3-51\*x^2-12\*x+6)/(180\*x^8-186\*x^7-126\*x^6+179\*x^5+4\*x^4-51\*x^3+9\*x^2+4\*x-1) lgdogf]  
A305650 12.3490 [ (2\*x^2+1)/(2\*x+1)/(x-1)/(2\*x^2+2\*x-1) ogf]  
A305650 7.50171 [ -(-16\*x^5-4\*x^4-16\*x^3-8\*x^2+16\*x+1)/(-8\*x^6-4\*x^5+8\*x^4+4\*x^2+x-1) lgdogf]  
A305652 10.2737 [ -(3\*x^3-x^2-x)/(-4\*x^5+2\*x^4+6\*x^3-3\*x^2-2\*x+1) ogf\_with\_Euler\_transform]  
A305653 11.3107 [ -(-x-1)/(-x^5+5\*x^4-10\*x^3+10\*x^2-5\*x+1) ogf\_with\_Euler\_transform]  
A305687 4.77012 [ -(3\*x^6+18\*x^4-27\*x^3+6\*x^2-19\*x-1)/(x+1)/(x^7-2\*x^6+x^5-11\*x^3-x^2-7\*x+1) ogf]  
A305708 10.6746 [ -exp(-x)\*sin(x)-exp(-x)\*cos(x) lgdegf]  
A305721 4.33474 [ {(2\*n^2+9\*n+10)\*a(n+1)+(-4\*n^2-20\*n-123)\*a(n+2)+(2\*n^2+11\*n+15)\*a(n+3), a(0) = 1, a(1) = 99, a(2) = 1765}, ogf]  
A305721 4.98496 [ (x+1)\*(x^6+90\*x^5+911\*x^4+2092\*x^3+911\*x^2+90\*x+1)/(x-1)^8 ogf]  
A305722 3.84802 [ -(x^8+120\*x^7+1820\*x^6+8008\*x^5+12870\*x^4+8008\*x^3+1820\*x^2+120\*x+1)/(x-1)^9 ogf]  
A305722 3.84802 [ {(2\*n^2+9\*n+10)\*a(n+1)+(-4\*n^2-20\*n-153)\*a(n+2)+(2\*n^2+11\*n+15)\*a(n+3), a(0) = 1, a(1) = 129, a(2) = 2945}, ogf]  
A305723 3.54932 [ (x+1)\*(x^2+14\*x+1)\*(x^6+138\*x^5+975\*x^4+1868\*x^3+975\*x^2+138\*x+1)/(x-1)^10 ogf]  
A305723 4.10570 [ {(2\*n^2+9\*n+10)\*a(n+1)+(-4\*n^2-20\*n-187)\*a(n+2)+(2\*n^2+11\*n+15)\*a(n+3), a(0) = 1, a(1) = 163, a(2) = 4645}, ogf]  
A305724 3.80950 [ {(2\*n^2+9\*n+10)\*a(n+1)+(-4\*n^2-20\*n-225)\*a(n+2)+(2\*n^2+11\*n+15)\*a(n+3), a(0) = 1, a(1) = 201, a(2) = 7001}, ogf]  
A305753 14.3180 [ -x\*(3\*x-1)\*(3\*x+1)/(x-1)/(10\*x^2-1) ogf]  
A305753 6.35159 [ {a(n+4)-a(n+3)-10\*a(n+2)+10\*a(n+1), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 2}, ogf]  
A305777 5.93776 [ (10\*x^6-x^5-13\*x^4+x^3+6\*x^2-1)/(2\*x-1)/(x+1)/(3\*x^2-1)/(2\*x^2-1)/(x-1)^2 ogf]  
A305826 4.95307 [ -(4\*x^8-26\*x^7+74\*x^6-120\*x^5+120\*x^4-76\*x^3+28\*x^2-8\*x+1)/(5\*x-1)/(x^2-x+1)/(x^6-6\*x^5+15\*x^4-19\*x^3+12\*x^2-3\*x+1) ogf]  
A305859 12.7577 [ (x^3+8\*x^2+2\*x+1)/(x^2+x+1)/(x-1)^2 ogf]  
A305859 5.27116 [ {(4\*n+13)\*a(n+1)+4\*a(n+2)+4\*a(n+3)+(-4\*n-9)\*a(n+4), a(0) = 1, a(1) = 3, a(2) = 11, a(3) = 13}, ogf]  
A305867 32.7590 [ 1/(1-2\*x)^(3/2), egf\_with\_Euler\_transform]  
A305886 4.51802 [ {(n+2)\*a(n+2)+(-1722-1728\*n)\*a(n+1), a(0) = 1, a(1) = -6}, ogf]  
A305956 3.38722 [ -(9\*x^9+25\*x^7+26\*x^6+121\*x^5+186\*x^4+48\*x^3-15\*x^2-21\*x-1)/(11\*x^9+39\*x^8+58\*x^7+107\*x^6+135\*x^5+54\*x^4-14\*x^3-17\*x^2-4\*x+1) ogf]  
A305991 5.88981 [ {(n+2)\*a(n+2)+(-24-27\*n)\*a(n+1), a(0) = 1, a(1) = -3}, ogf]